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Experiment S-213
SELENOCENTRIC GEODETIC
REFERENCE SYSTEM

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F. Doyle, A. Ellassal, J. Lucas
Appendix A
Lunar Terrain Point Positions
Appendix B
Exposure Station Positions
NASA Contract T-1168 B

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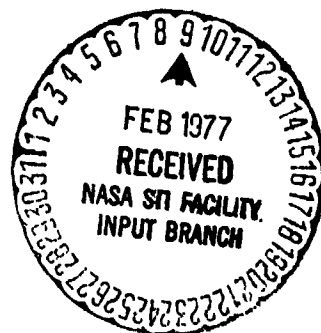
Frederick J. Doyle
Atef A. Elassal
James R. Lucas

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Submitted by
Geodetic Research and Development Laboratory
National Oceanic and Atmospheric Administration
Rockville, Maryland 20852

and

Topographic Division
United States Geological Survey
Reston, Virginia 22092



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PREFACE

When the metric camera, stellar camera, laser altimeter package was implemented for the later Apollo missions it was evident that one of the major projects which could be performed was the establishment of a Selenocentric Control Network. Two members of the Apollo Orbital Science Photo Team, Frederick J. Doyle of the U.S. Geological Survey and Hellmut H. Schmid of the National Geodetic Survey, prepared essentially parallel proposals to perform this task. The analytical approach in each of the two proposals was nearly identical and it was obvious to the proposers that there would be little point in NASA undertaking both of them. By agreement within the Orbital Science Photo Team it was decided to submit a single proposal in response to memo change 36-NHB 80301A of February 1, 1971. Dr. Schmid would be the Principal Investigator with Mr. Doyle as Co-Investigator.

Contract T-1168B for experiment S-213 entitled Selenocentric Geodetic Reference System was awarded by NASA LBJ Space Center to the Geodetic Research and Development Laboratory of National Ocean Survey, and initial funding was provided in February of 1972.

Software development was begun immediately. Photographic mensuration was to be supplied by DMA/AC and DMA/TC, but this proceeded much more slowly than had been anticipated. Actual computations using real data were not begun until spring of 1974.

In January of 1974, Dr. Schmid went to Switzerland as a Visiting Professor at the Technical University in Zurich. Mr. Doyle took over the responsibilities of Principal Investigator. In September of 1974 Dr. Schmid retired from the National Geodetic Survey and moved permanently to Switzerland. By letter dated November 12, 1974, from Mr. Noel Hinners to the U.S. Geological Survey, Mr. Doyle was appointed Principal Investigator with Mr. James R. Lucas of National Geodetic Survey as Co-Investigator. Contract administration remained with National Geodetic Survey.

This document is the final technical report for contract T-1168B. Principal authors are Frederick J. Doyle, Atef A. Elassal, and James R. Lucas. The authors wish to acknowledge the technical contribution of the following individuals at National Geodetic Survey:

Robert Hanson	Chester Slama
Myron Lawrence	Allen Pope
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SELENOCENTRIC GEODETIC REFERENCE SYSTEM

Frederick J. Doyle

Atef A. Elassal

James R. Lucas

1. Introduction

After the successful landing on the Moon by Apollo 11, NASA chartered the Apollo Orbital Science Photo Team, with Frederick J. Doyle as chairman, to plan and supervise the acquisition of orbital science photography on the remaining missions. At that time the Apollo Program was planned for a total of twenty missions, and it was contemplated that several of these would be in high inclination orbits--perhaps even polar.

The Team immediately undertook development and implementation of a photogrammetric system which would provide accurate selenodetic positions and topographic mapping of all areas overflowed by the orbital spacecraft. The recommended system was operational by Apollo 15. In the meantime the program was reduced from twenty to seventeen missions, and the selection of landing sites reduced the total amount of coverage drastically below what had been anticipated.

The photogrammetric system was installed in the Scientific Instrument Module (SIM) bay of the Apollo Command Service Module (CSM). The system consisted of a 76-mm focal length mapping camera with $74^{\circ} \times 74^{\circ}$ angular field, coupled with a stellar camera of 76-mm focal length and $18^{\circ} \times 24^{\circ}$ angular field, and a laser altimeter with a 300μ radian angular field and a least count of 1 meter. In addition, a panoramic camera with 610-mm focal length and $11^{\circ} \times 108^{\circ}$ coverage was included to provide adequate resolution to support large-scale mapping.

In theory, this system provided everything (focal length excepted) that a photogrammetrist could want: The position of each exposure station would be obtained from Earth-based tracking; the orientation of each photograph could be computed from the synchronized stellar exposure and the lock-angles determined by preflight calibration; and the scale of each stereomodel would be obtained directly from the altimeter data.

Operationally, the data acquisition was adequate, but less than optimum. Orbital ephemerides provided by NASA were found to have large systematic deviations from the photogrammetrically determined spacecraft positions, at least for Apollo 15. For the other two

missions the deviations were smaller, but far from insignificant. These systematic errors are believed to be the result of the primitive orbit determination procedures in use at the time of the Apollo 15 mission, inadequate models of the lunar gravity field, and spacecraft oscillations induced by uncoupled thrusting and various activities of the astronauts.

The stellar camera, which was aimed near the pole of the orbit, was expected to provide mapping camera roll and yaw good to 5 arc seconds and pitch to 15 arc seconds. The larger pitch error is a consequence of the angular field of view of the stellar camera, which limits the precision of stellar camera yaw, and this angle corresponds to mapping camera pitch. Most of the stellar derived orientations were at or near the expected precision, but approximately 15 percent had errors several times this magnitude due to the small number and poor distribution of stars of sufficient brightness to be imaged by the stellar camera.

Furthermore, the laser altimeter failed early in the data collection phase of mission 15 and did not always function properly during the later missions. Consequently, range data were available for much less than half of the usable exposures.

The original objectives of the research effort were:

- (a) Provide a single integrated selenocentric control network with geodetic positions and elevations for numerous points within the area photographed
- (b) Provide a complete error analysis of the control network
- (c) Provide an independent solution of lunar physical libration parameters for the time of each mission
- (d) Provide a unified set of spacecraft positions as an aid to eventual refinement of the lunar gravity field
- (e) Derive a mathematical ellipsoidal figure for the Moon.

As the limitations in coverage and data quality developed, it became apparent that less than optimum results could be obtained. Particularly damaging was the failure to close the band of photography completely around the Moon. Nearly as bad was the limitation in latitude resulting from the selection of landing sites. These necessitated dropping objective (e) entirely, and greatly degraded the quality of results for objectives (a), (c), and (d).

An independent triangulation of the Apollo photographs was performed by the Defense Mapping Agency (DMA) to establish control for the mapping which was their primary responsibility. There are four significant differences between the DMA solution and that performed by NOS/USGS:

- (a) DMA used the orbital constraints provided by the tracking data to force a best fit between tracking and photogrammetry, while NOS/GS elected to abandon all tracking data for a purely photogrammetric solution.
- (b) DMA transformed the camera orientations from the inertial reference frame into the selenocentric coordinate system of date using the Koziel model for lunar librations, while NOS/GS used a model developed more recently by Eckhardt (1973).
- (c) DMA first reduced mission 15 and then fit 16 and 17 to these results, while NOS/GS performed a simultaneous adjustment of all three missions.
- (d) The computer program used by DMA did not include a covariance propagation capability.

Item (a) amounts to a fundamental difference in approach. Item (b) is explained in a subsequent section of this report. Items (c) and (d) are both related to the same operational problem: the simultaneous solution for 23,436 unknown parameters with complete covariance propagation requires a tremendous amount of "computer muscle," a program that can be tailored to the specific problem, the latest adjustment techniques, and a bit of luck.

2. Data Preprocessing

Selection, identification, and measurement of the terrain imagery were accomplished by the Defense Mapping Agency (DMA), which also performed the stellar mensuration and computed the camera orientation angles. Terrain image measurements and computed orientations were then supplied to the National Ocean Survey and the Geological Survey by DMA.

These data consisted of 12 passes (726 photos) from mission 15 and 8 passes (327 photos) from mission 17 which, together, covered a swath of varying width. The left hand limits are 32° N latitude, 295° longitude (measured eastward from the prime meridian); the right hand limits are 24° S latitude, 205° longitude. Along the equator, coverage is from 35° to 140° longitude. This swath is crossed at about 70° longitude by four passes (191 photos) from mission 16, which extended from 12° S latitude, 330° longitude to 12° N latitude,

155° longitude.

An inordinate portion of the manpower expended on this project was devoted to the preprocessing of these data, due primarily to the inability of the NOS computer to read any magnetic tape written by the DMA computers. A tape containing the mission 15 data could not be read on the first attempt because of parity error in a single record in the body of the data. A program was devised to skip records that were damaged by parity errors. On the second reading, more than 100 apparent parity errors were encountered, some of which had not been detected on the first reading. It appeared that these were caused by weak recorded signals that were below the threshold of the NOS reader heads, and that the recorded data were deteriorating with each reading. To make matters worse, through a misunderstanding, the data extracted from the tape on the second reading were destroyed before they could be copied to an NOS tape. The theory of continuing data deterioration was verified when, on the third and final reading, 600 records were lost to parity errors. These were finally recovered by key punching from hard copy supplied by DMA.

The data from mission 16 were supplied on cards, and the mission 17 data tape was read with only a few parity errors. However, shortly after the mission 16 data were reformatted and set up for use, IMA discovered a calibration error which invalidated these data and, subsequently, supplied a new set. Unfortunately, the new mission 16 data were completely unedited. A large number of misidentified images, causing residuals ranging from hundreds of microns to hundreds of millimeters, severely limited the size of data samples that could be handled in editing adjustments.

Furthermore, the mass of image data that had been measured by DMA, in order to insure a sufficient density of terrain points, served to increase the running time of all programs to a prohibitive level without contributing significantly to the quality of the results. Therefore, a program was devised to identify those terrain points whose images occurred in geometrically desirable areas on at least one photograph, i.e., within 5 millimeters of one of the 9 cardinal points. By discarding all terrain points that did not meet this criterion, the data set was reduced to manageable proportions without compromising the geometry. In fact, some frames contained more than 60 images of selected terrain points.

Fortunately, the orientation data supplied by DMA were in the Mean Celestial Coordinate System and had to be transformed into the True Selenocentric System of date. This facilitated the change of libration models, from Koziel to Eckhardt, which was found to be desirable after the preprocessing was nearly complete.

Just when it appeared that all data from all missions were correct and in the proper form, a number of ambiguities were discovered. Some of the numbers assigned to frames from mission 15 were duplicated on mission 17, and to make matters worse, the terrain points associated with laser range observations were assigned the same number as the exposure station with which they coincided. Apparently the adjustment programs used by DMAAC were capable of recognizing two or more separate entities with the same identifying number, but the MUSAT Program used by NOS/GS was not. Therefore, the exposure numbers of mission 17 had to be modified (these were changed back to their original designation for reporting their positions in Appendix B of this report), and some of the ground point numbers had to be modified. While this was not a large task, it required a large number of cards to be punched by hand, and extended the preprocessing time by several weeks.

3. Libration Model

Reduction of the stellar frames provides the orientation of each terrain exposure in the mean celestial coordinate system of 1950.0. The photogrammetric adjustments, on the other hand, must be performed in the true selenographic coordinate system of date. Transformation between these two coordinate systems requires a mathematical model of the lunar librations: the periodic variations in the orientation of the Moon's pole and fluctuations in its rate of rotation.

At the time when DMA began reducing Mission 15, available models of lunar librations were derived primarily from Earth-based optical observations. After consideration of models by Hayn, Koziel, and Eckhardt, DMA found that the differences among them were insignificant for the Apollo reduction and chose the Koziel model. By the time NOS/GS had all of the Apollo data in hand, more sophisticated models had been developed, using lunar laser ranging data and improved estimates of the third and fourth harmonic of the lunar gravity field. Consultation with scientists working in this field led us to prefer an improved Eckhardt model, and Don Eckhardt of AFCRL provided a computer program to employ this model.

A term-by-term comparison of the Koziel and Eckhardt models is provided by the following three tables, in which:

- λ is the mean anomaly of the Moon,
- λ' is the mean anomaly of the Sun,
- F is the geocentric angular distance from the ascending node of the lunar orbit to the Moon, and
- D is the geocentric angular separation of the Sun and Moon.

Table 1
Libration in Node (σ)

Eckhardt Model:

$$\sigma = \frac{1}{I} \sum_{n=1}^{116} S_n \sin(il + jl' + kF + mD) + \sum_{n=1}^{116} C_n \cos(il + jl' + kF + mD) - 8''12 \sin\Omega + \dots$$

where

$$I = 1^{\circ}32'30''05 \approx 5400''$$

Koziel Model

$$\sigma = \frac{1}{\sin I} \sum_{n=1}^{11} S_n \sin(il + jl' + kF + mD)$$

where

$$I = 1^{\circ}32'20''0$$

and

Eckhardt Model		Koziel Model		Argument				Period
S_n	C_n	S_n	C_n	i	j	k	m	(days)
-101''53	-0''09	-102''8		1	0	0	0	27.55
0.32	76.42	0.0		0	0	1	0	27.21
-24.77	0.15	-28.2		1	0	-2	0	26.88
-10.10	-0.00	-17.1		0	0	2	0	13.61
-5.00	-0.00	-3.3		0	0	2	-2	173.41
2.47	-0.00	2.2		1	0	0	-2	31.81
0.00	1.37	0.0		1	0	1	0	13.69
-0.90	-0.00	0.0		2	0	0	0	13.78
-0.81	-0.00	-0.6		1	0	2	0	9.11
0.71	0.68	0.0		1	0	-1	0	2195.12
-0.19	-0.01	0.1		2	0	-2	0	1097.56
.	
.	
.	

Table 2

Libration in Inclination (ρ)

Eckhardt Model:

$$\rho = \sum_{n=1}^{100} S_n \sin(i\ell + j\ell' + kF + mD) - \sum_{n=1}^{100} C_n \cos(i\ell + j\ell' + kF + mD) + 8''24 \cos\Omega - \dots$$

Koziel Model:

$$\rho = \sum_{n=1}^{11} C_n \cos(i\ell + j\ell' + kF + mD)$$

where

Eckhardt Model		Koziel Model		Argument				Period (days)
S_n	C_n	S_n	C_n	i	j	k	m	
0''09	-99''23		-100''8	1	0	0	0	27.55
-76.46	0.32		0.0	0	0	1	0	27.21
0.14	24.84		28.2	1	0	-2	0	26.88
0.00	-10.56		-11.1	0	0	2	0	13.61
0.00	-3.08		-3.3	0	0	2	-2	173.41
-0.00	-1.94		-2.2	1	0	0	-2	31.81
0.00	-0.73		-0.6	1	0	2	0	9.11
-0.16	-0.73		0.0	1	0	-1	0	2195.12
-0.70	0.00		0.0	1	0	1	0	13.69
-0.00	0.51		0.0	1	0	2	-2	23.78
-0.01	-0.03		-0.1	2	0	-2	0	1097.56
.	
.	
.	

Table 3
Libration in Longitude (τ)

Eckhardt Model:

$$\tau = \sum_{n=1}^{73} S_n \sin (i\ell + j\ell' + kF + mD) + \sum_{n=1}^{73} C_n \cos (i\ell + j\ell' + kF + mD)$$

$$-7''44 \sin\Omega + 14''27 \sin(193^{\circ}44 - 0.004t) + \dots + 254''267$$

Koziel Model:

$$\tau = \sum_{n=1}^{12} S_n \sin(i\ell + j\ell' + kF + mD) + 7''6 \sin\Omega$$

where

Eckhardt Model		Koziel Model		i	j	k	m	Period (days)
S_n	C_n	S_n	C_n					
90''30	0''01	82''4		0	1	0	0	365.26
19.10	0.67	-7.5		2	0	-2	0	1097.56
-16.70	-0.01	-15.6		1	0	0	0	27.55
9.88	0.03	9.0		2	0	0	-2	205.95
1.44	-8.64	0.0		1	0	-1	0	2195.12
4.10	-0.00	3.7		1	0	0	-2	31.81
-3.44	-0.00	-3.2		1	0	0	-1	411.90
1.64	0.00	1.7		0	0	2	-2	173.41
-1.22	0.00	0.0		1	-1	0	-1	3225.81
0.95	0.00	0.8		2	-1	0	-2	472.19
-0.48	-0.00	-0.6		0	0	0	2	14.76
-0.44	-0.00	-0.4		2	0	0	0	13.78
.	
.	
.	

Comparison of the tables reveals that, while there are small differences in the coefficients of the two models, the only large differences are:

(a) In the series for $I\sigma$ the Eckhardt model contains a term, $76''.42 \cos F$, which has no counterpart in the Koziel model.

(b) In the series for ρ the Eckhardt model contains a term, $76''.46 \sin F$, which is also missing from Koziel.

(c) In the series for τ the Eckhardt model contains a constant term of $254''.27$ and a 250 day periodic term with an amplitude of $14''.27$ which do not appear in Koziel. Furthermore the coefficients of the triennial term differ between the two models by $26''.6$.

The additional terms in $I\sigma$ and ρ serve to increase the amplitudes of the monthly variation in these librations by about 60%, as shown in figures 1 and 2. These terms are the result of incorporating the third harmonic of the lunar gravitational field into the libration model. Figure 3 shows that there is a large difference in τ computed from the two models resulting from the factors listed above. This longitude offset is approximately $230''$, $275''$ and $290''$ at the times of Apollo 15, 16, and 17 respectively.

These libration parameters can be expressed as variations in the right ascension and declination of the pole of rotation and the rotation rate using

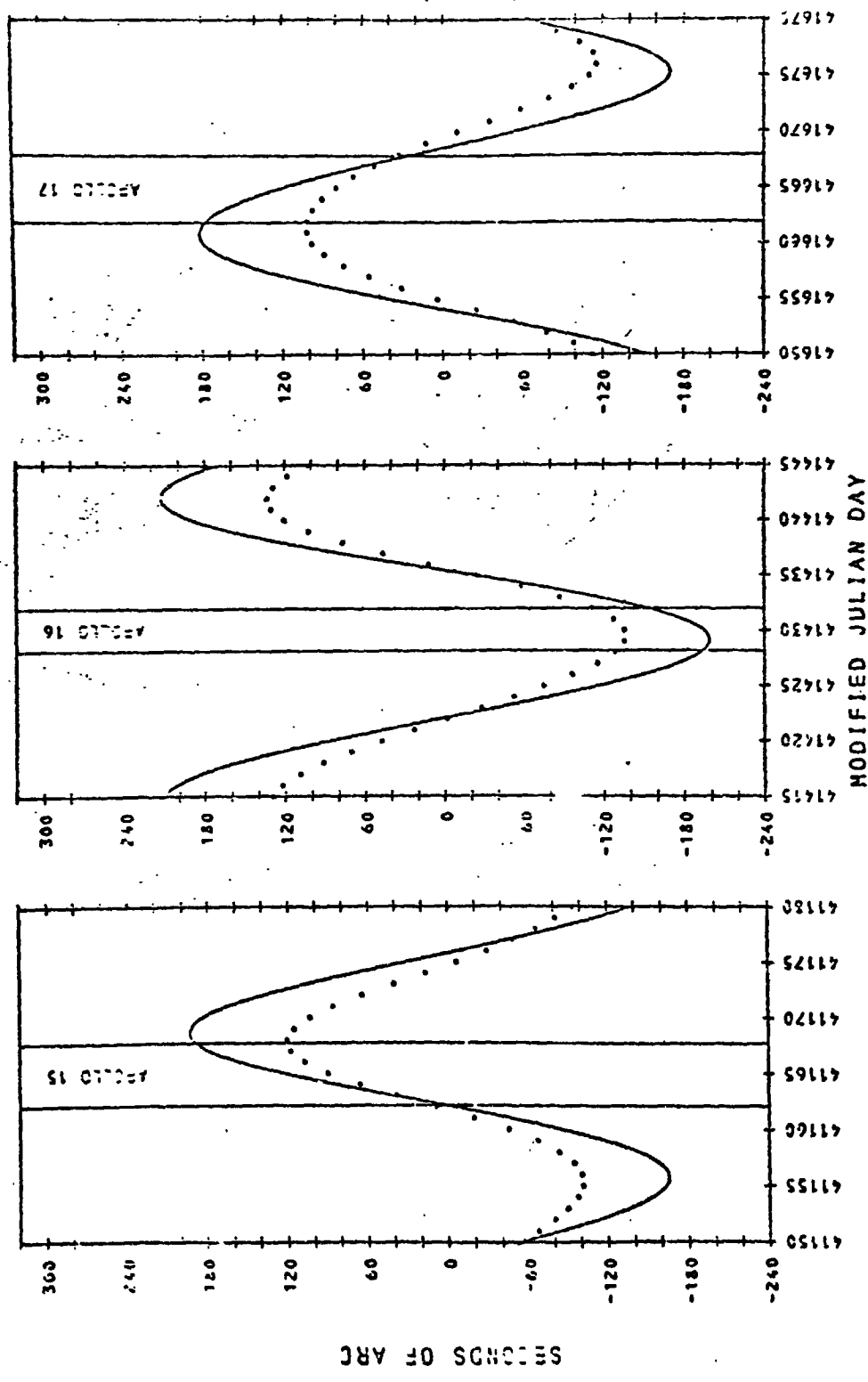
$$\alpha_p = \tan^{-1} \left[\frac{\cos(\Omega + \sigma) \sin(I + \rho) \cos \epsilon - \cos(I + \rho) \sin \epsilon}{-\sin(\Omega + \sigma) \sin(I + \rho)} \right]$$

$$\delta_p = \sin^{-1} \left[\cos(\Omega + \sigma) \sin(I + \rho) \sin \epsilon + \cos(I + \rho) \cos \epsilon \right]$$

and

$$\text{Rotation Rate} = 13^{\circ}.1764/\text{day} + \frac{d\tau}{dt}$$

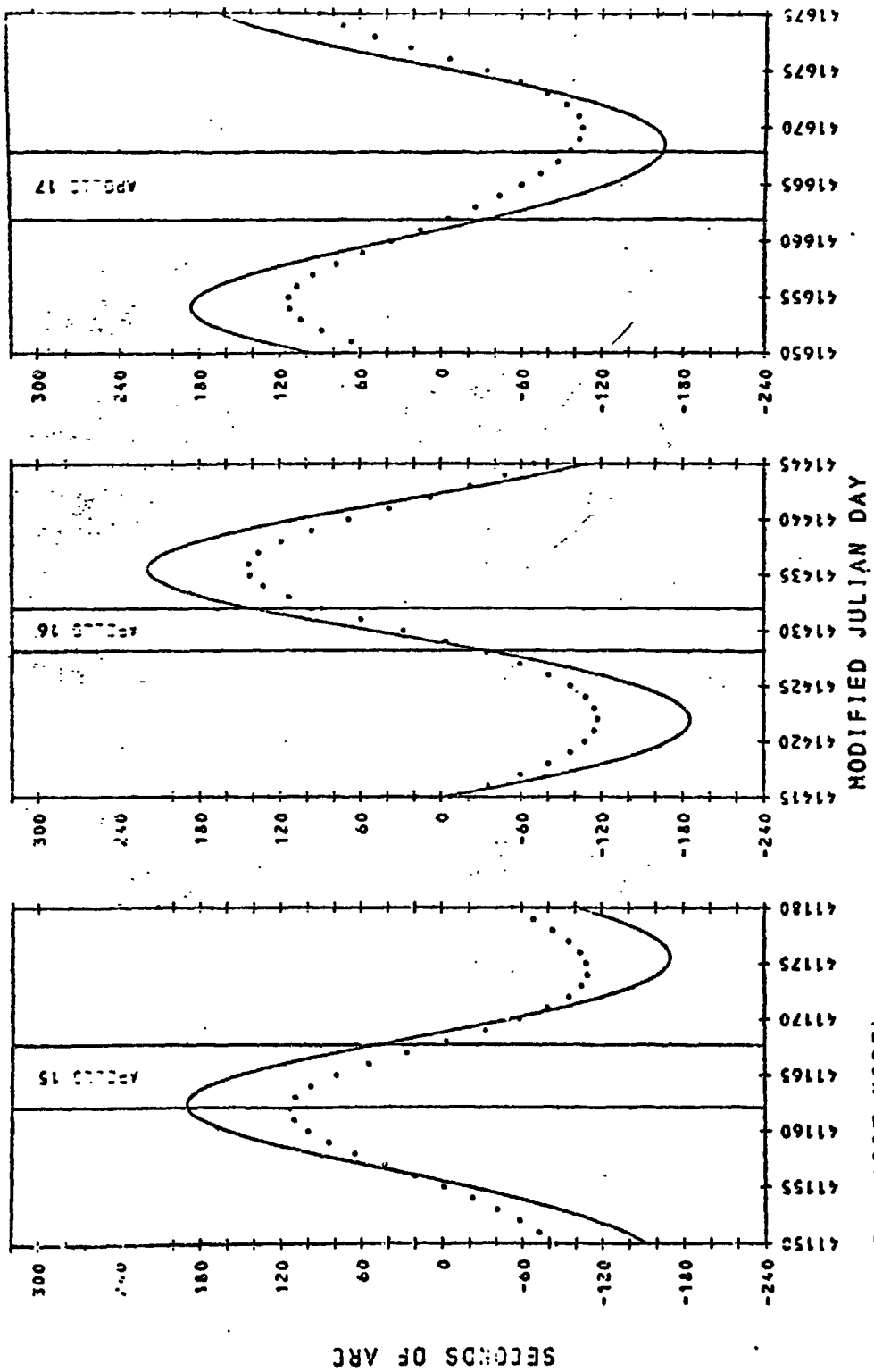
where Ω is the longitude of the descending node of the lunar orbit, I is the mean inclination of the lunar equator with respect to the ecliptic, and ϵ is the obliquity of the ecliptic. The variations in these parameters are shown in figures 4, 5, and 6.



LIBRATION IN NODE

FIG. 1

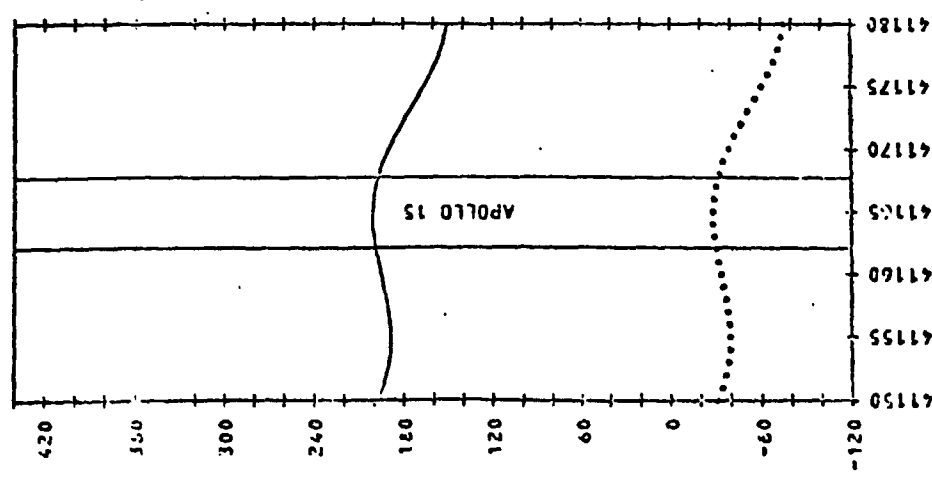
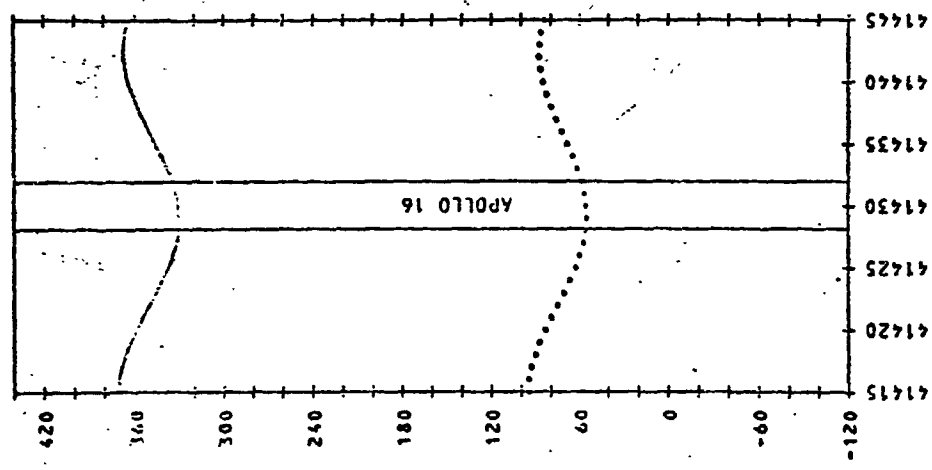
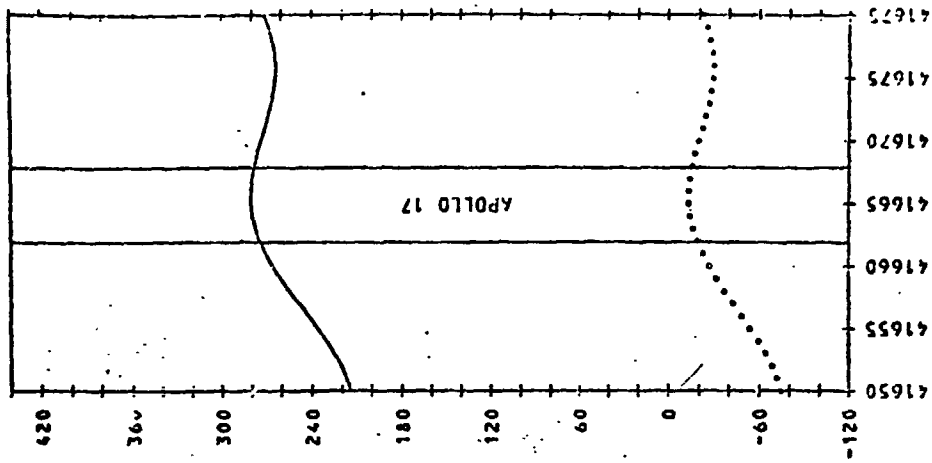
SECONDS OF ARC



— ECKHARDT MODEL
 KOZIEL MODEL

LIBRATION IN INCLINATION

FIG. 2



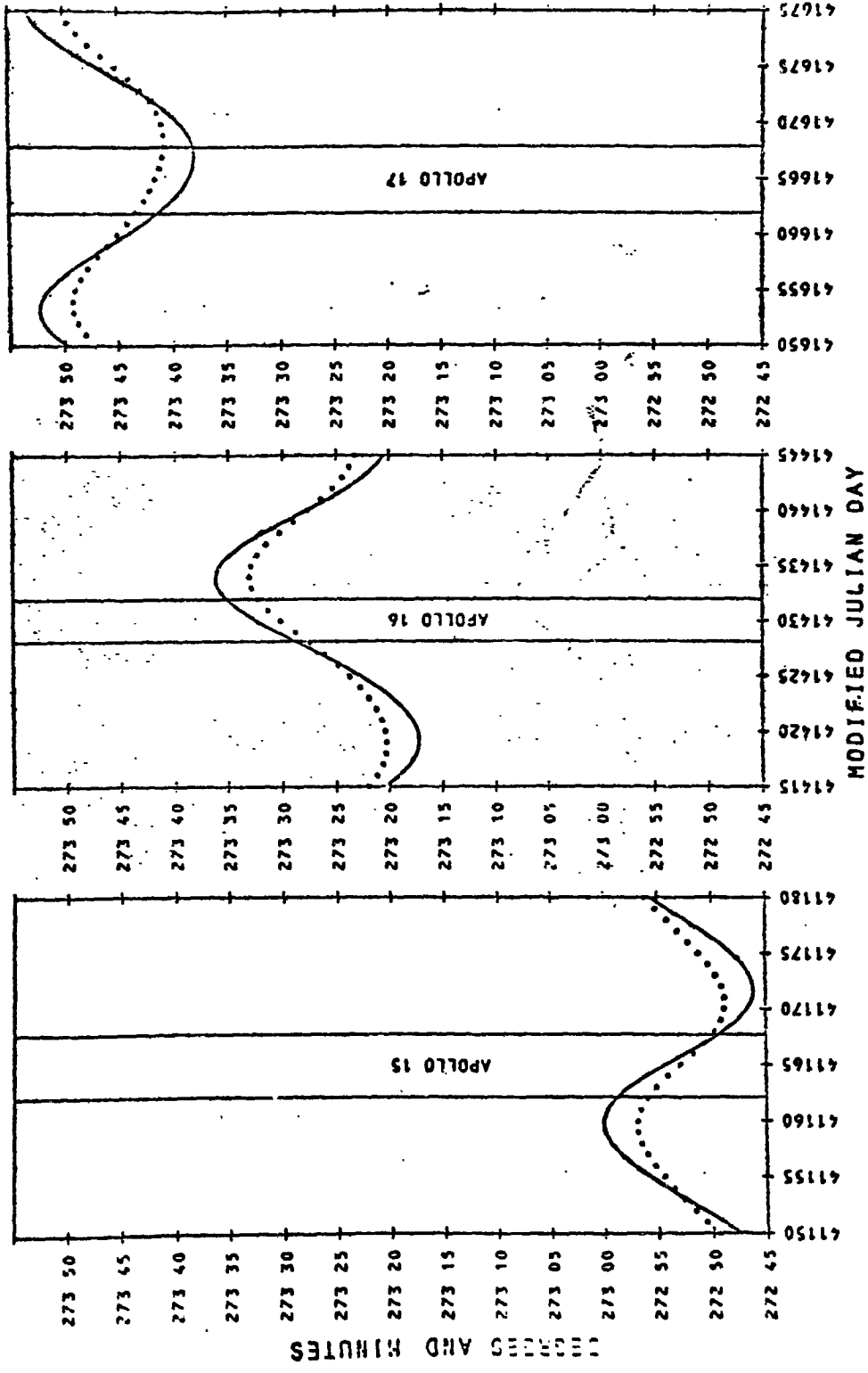
— ECKHARDT MODEL
 KOZIEL MODEL

LIBRATION IN LONGITUDE

FIG. 3

SECONDS OF ARC

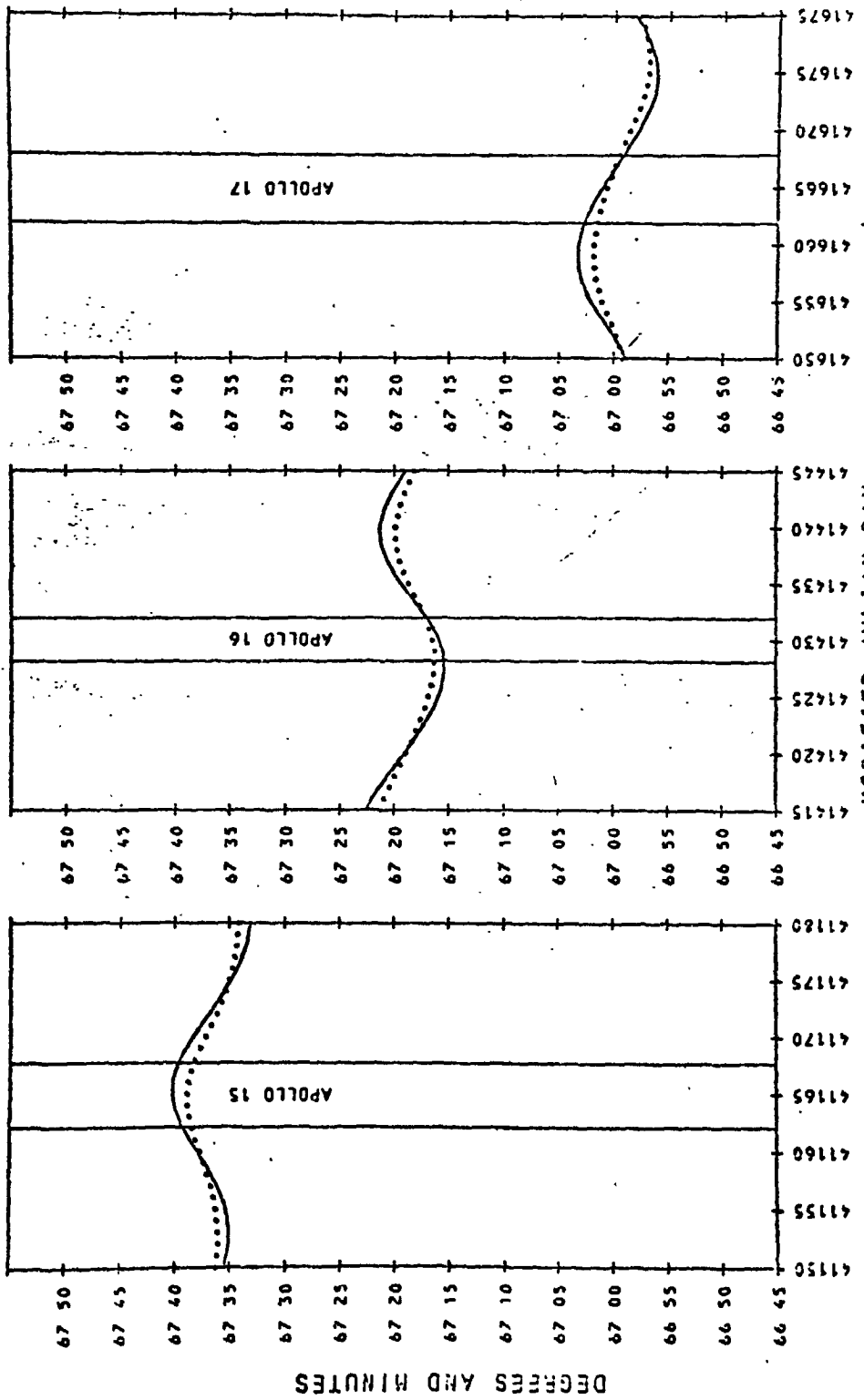
MODIFIED JULIAN DAY



RIGHT ASCENSION OF POLE

FIG. 4

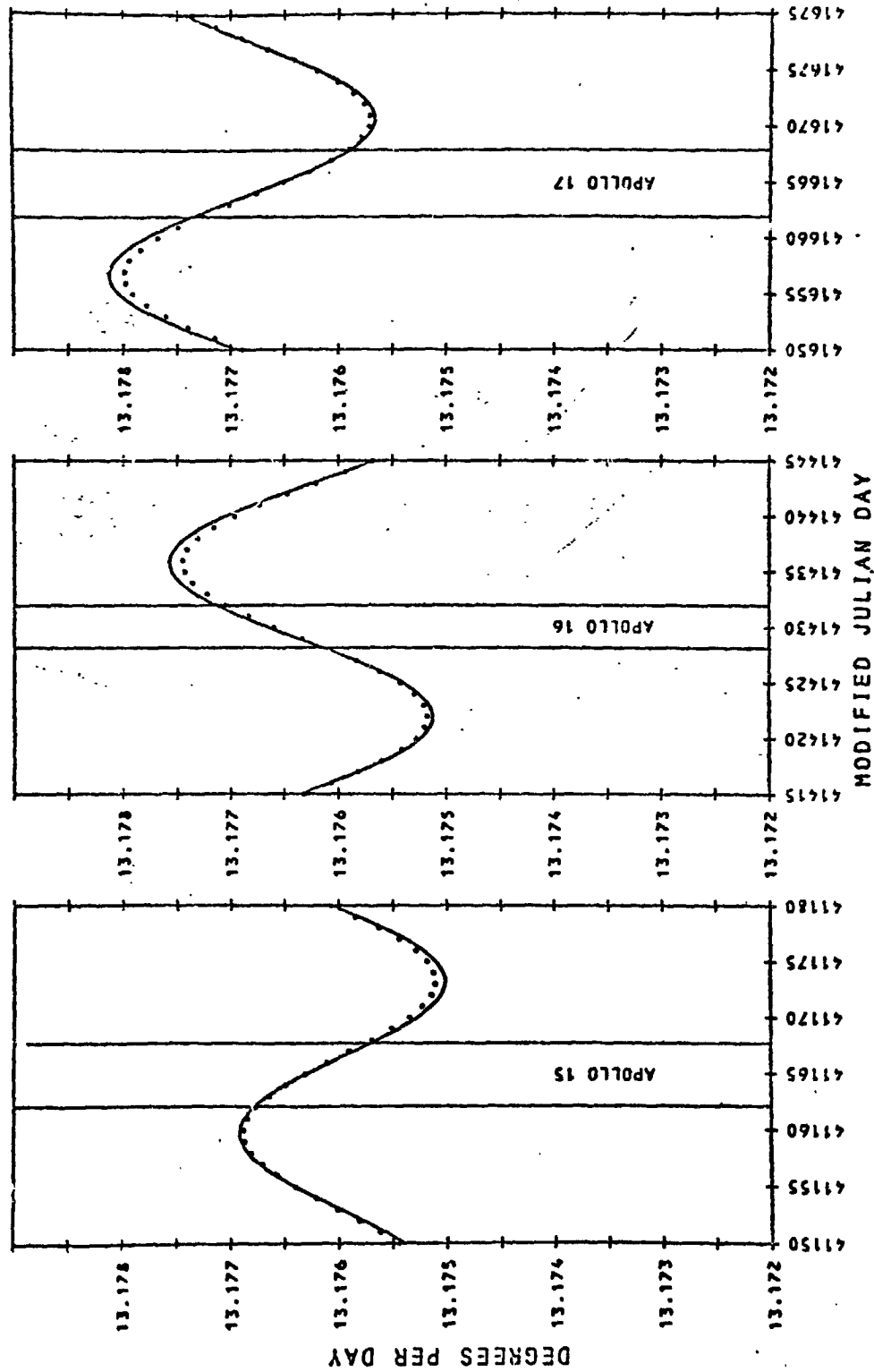
— ECKHARDT MODEL
 KOZIEL MODEL



DECLINATION OF POLE

FIG. 5

— ECKHARDT MODEL
 KOZIEL MODEL



— ECKHARDT MODEL
 KOZJEL MODEL

ROTATION RATE

FIG. 6

Since $\sigma = (I\sigma)/I = 37(I\sigma)$ appears in the expressions for α_p and σ_p , the variations in these quantities are considerably larger than those seen in $I\sigma$ and ρ . However, the rotation rates computed from the two models agree to better than 0.5 per day which shows that there should be no problem in fitting the photographs into a single adjustment no matter which model is used.

On the other hand there is a significant difference between the Selenocentric coordinate systems defined by the two models. A point on the lunar surface (x, y, z) can be transformed into the ecliptic coordinate system using

$$\begin{bmatrix} x' \\ y' \\ z' \end{bmatrix} = R_3(\pi - \hat{\Omega}) R_1(-\hat{I}) R_3(-\hat{\Theta}) \begin{bmatrix} x \\ y \\ z \end{bmatrix}$$

where

$$\hat{\Omega} = \Omega + \sigma$$

$$\hat{I} = I + \rho$$

$$\hat{\Theta} = F - \sigma + \tau$$

and R_i is a rotation about the i -th axis through the argument. The inverse transformation will, of course, result in the original position (x, y, z) . However, if the Eckhardt model is used to transform the position into the ecliptic system and the Koziel model is used for the inverse transformation, the result will be $(x + \Delta x, y + \Delta y, z + \Delta z)$.

Using differentials the following expressions can be derived

$$\Delta x = -y\Delta\hat{\Theta} - z \sin\hat{\Theta} \Delta\hat{I} + (z \sin\hat{I} \cos\hat{\Theta} - y \cos\hat{I})\Delta\hat{\Omega}$$

$$\Delta y = x\Delta\hat{\Theta} - z \cos\hat{\Theta} \Delta\hat{I} - (z \sin\hat{I} \sin\hat{\Theta} - x \cos\hat{I}) \Delta\hat{\Omega}$$

$$\Delta z = (x \sin\hat{\Theta} + y \cos\hat{\Theta}) \Delta\hat{I} - (x \sin\hat{I} \cos\hat{\Theta} - y \sin\hat{I} \sin\hat{\Theta})\Delta\hat{\Omega}$$

where

$$\Delta\hat{\Omega} = \sigma \text{ (Eckhardt)} - \sigma \text{ (Koziel)} = \frac{A}{I} \cos F$$

$$\Delta\hat{I} = \rho \text{ (Eckhardt)} - \rho \text{ (Koziel)} = A \sin F$$

$$\Delta\hat{\Theta} = \tau \text{ (Eckhardt)} - \tau \text{ (Koziel)} - \Delta\hat{\Omega} = B - \frac{A}{I} \cos F$$

in which

$$A = 76'' \text{ expressed in radians}$$

and

$$B = 254'' - \text{long period terms (also in radians)}$$

Let the unit of length be the lunar radius and consider the point with $\phi = 0$, $\lambda = 0$, $h = 0$ in the Selenocentric system defined by the Eckhardt model. In Koziel coordinates we have

$$x + \Delta x = 1$$

$$\begin{aligned} y + \Delta y &= \Delta \hat{\theta} + \Delta \hat{\Omega} \cos \hat{I} \\ &= B - \frac{A}{I} \cos F + \frac{A}{I} \cos F \cos \hat{I} \\ &\approx B \end{aligned}$$

$$\begin{aligned} z + \Delta z &= \Delta \hat{I} \sin \hat{\theta} - \Delta \hat{\Omega} \sin \hat{I} \cos \hat{\theta} \\ &= -A \sin F \sin \hat{\theta} - \frac{A}{I} \cos F \sin \hat{I} \cos \hat{\theta} \\ &\approx -A \sin F \sin \hat{\theta} - A \cos F \cos \hat{\theta} = -A \cos(F - \hat{\theta}) \\ &\approx -A \cos(\sigma - \tau) \end{aligned}$$

Since $\sigma - \tau$ varies between plus and minus 2° , $z + \Delta z \approx -A$, and

$$\Delta \phi \approx \sin^{-1}(-A) = 76''$$

$$\Delta \lambda \approx \tan^{-1}(B) = 254'' + \text{long period terms}$$

This shift of the Moon's principal axis was reported by Williams et al (1973). Following the same procedure for the point $\phi = 0$, $\lambda = 90^\circ$, $h = 0$, obtains

$$\Delta \phi \approx 0$$

$$\Delta \lambda \approx 254'' + \text{long period terms}$$

Hence the differences between the selenocentric coordinate systems defined by the two models are approximately:

(a) a rotation about the y-axis of 76"

(b) a rotation about the z-axis of 254" plus long period terms, resulting in 230" for Apollo 15, 275" for Apollo 16, and 290" for Apollo 17.

The longitude differences between missions would create a problem if the Koziel model were to be used and the tracking ephemeris rigidly enforced. DMA used the Koziel model, but did not hold to the ephemeris. In this block adjustment the ephemeris positions are not enforced and the Eckhardt model is used. Therefore, both adjustments are internally consistent, but since they are referred to slightly different selenocentric coordinate systems, there will be differences in the reported coordinates. These can amount to as much as 76" (640 meters) in latitude at $\lambda = 0^\circ$ or 180° and 230" (1,938 meters) in longitude for points on the equator.

4. Mathematical Model for Lunar Orientation and Rotation

Since stellar camera orientation is computed in the celestial inertial coordinate system, and this orientation is transferred to the lunar surface via the calibrated locking angles between the stellar and mapping cameras and the photogrammetric solution, it is possible to compute the orientation and rotation rate of the Moon (physical librations) purely from the photogrammetric data. This requires the formulation of a mathematical model between the fixed (celestial) and the rotating (lunar) coordinate systems.

4.1 Relation between Inertial (XYZ) and Arbitrarily Oriented Rotating (X'Y'Z') Coordinate Systems

Assume (X,Y,Z) to be a rectangular inertial coordinate system and (X',Y',Z') to be a rectangular coordinate system rotating around its Z'-axis. Let the right ascension α and declination δ be the two angles defining the orientation of the axis of rotation Z' in the inertial system (X,Y,Z). Furthermore, let θ be the rotation angle of (X',Y',Z') system around Z'-axis (Figure 7).

The rotation between (X,Y,Z) and (X',Y',Z') is given by the transformation matrix $[L]$, made up of three sequential rotations α , δ , and θ .

$$\begin{bmatrix} X \\ Y \\ Z \end{bmatrix} = [L] \begin{bmatrix} X' \\ Y' \\ Z' \end{bmatrix}$$

Z, Z_1 Z_2, Z'

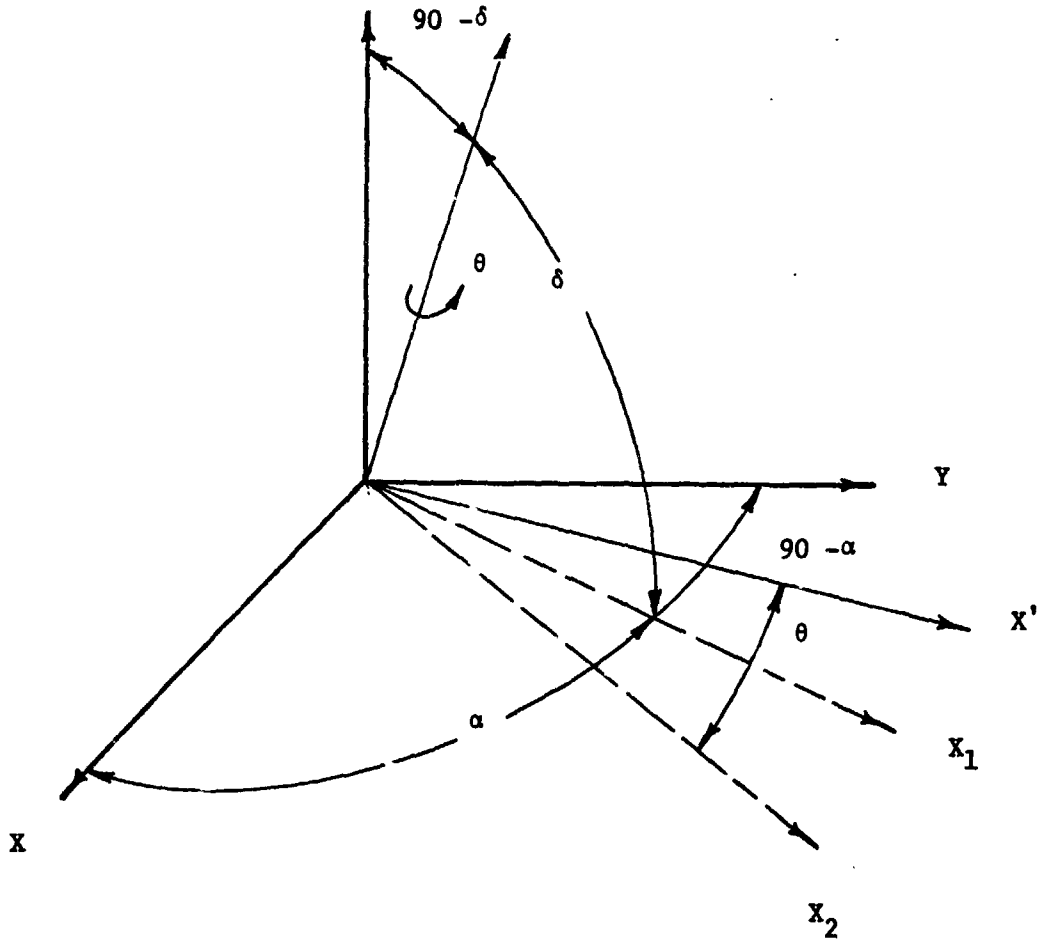


Figure 7
Fixed Inertial and Rotating Lunar Coordinate Systems

$$[L] = \begin{bmatrix} \cos \alpha & -\sin \alpha & 0 & \sin \delta & 0 & \cos \delta \\ \sin \alpha & \cos \alpha & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & -\cos \delta & 0 & \sin \delta \end{bmatrix} \begin{bmatrix} \cos \theta & -\sin \theta & 0 \\ \sin \theta & \cos \theta & 0 \\ 0 & 0 & 1 \end{bmatrix} \quad (4-1)$$

The three angles α , δ , and θ could be assumed to be time polynomials of the form:

$$\gamma_t \text{ (rotation)} = \sum_{i=0}^{i=n} K_{\gamma_i} (t)^i \quad \{\gamma_t = \alpha_t, \delta_t, \theta_t\}$$

where,

K_{γ_i} are unknown polynomial coefficients, and

t is time from epoch t_0 .

It is anticipated that in reducing Apollo data, α and δ rotations will be held constant for each mission and θ will be a common first order time polynomial for all missions.

4.2 Photogrammetric Constraint for a Camera Photographing a Moving Object.

The condition for the instantaneous collinearity of an object point, lens perspective center, and point image is expressed by the equation:

$$\begin{aligned} \vec{x} = \begin{bmatrix} x_1 \\ x_2 \\ x_3 \end{bmatrix} &= \gamma \begin{bmatrix} M \\ L \end{bmatrix} \begin{bmatrix} X_1^G - X_1^C \\ X_2^G - X_2^C \\ X_3^G - X_3^C \end{bmatrix} = \gamma \begin{bmatrix} M \\ L \end{bmatrix} \{X^G - X^C\} \\ &= \gamma \begin{bmatrix} M \\ L \end{bmatrix} \vec{X} = \gamma \vec{X}' \end{aligned} \quad (4-2)$$

where:

- \vec{x} is a vector of image space coordinates of image point.
- \vec{x}^G is a vector of object space coordinates of object point.
- \vec{x}^C is a vector of object space coordinates of lens center
- γ a constant of proportionality
- $[M]$ rotation matrix relating inertial and image reference systems
- $[L]$ rotation matrix relating selenocentric and inertial reference systems.

Eliminating γ from equation (4-2) results in two condition equations which express the geometric requirements for collinearity of object, lens center, and image points.

$$\left. \begin{aligned} 0 = F_1 &= x_1 - x_3 \frac{X_1^i}{X_3^i} = x_1 - a x_3 \\ 0 = F_2 &= x_2 - x_3 \frac{X_2^i}{X_3^i} = x_2 - b x_3 \end{aligned} \right\} \quad (4-3)$$

Linear approximation of equation (4-3) can be obtained by employing a Taylor expansion, neglecting second and higher order terms:

$$\begin{bmatrix} \Delta F_1 \\ \Delta F_2 \end{bmatrix} = \begin{bmatrix} 1 & 0 & -a^0 \\ 0 & 1 & -b^0 \end{bmatrix} \begin{bmatrix} \Delta x_1 \\ \Delta x_2 \\ \Delta x_3 \end{bmatrix} - c^0 \begin{bmatrix} 1 & 0 & -a^0 \\ 0 & 1 & -b^0 \end{bmatrix} \begin{bmatrix} \Delta X_1^i \\ \Delta X_2^i \\ \Delta X_3^i \end{bmatrix} \quad (4-4)$$

where, superscript 0 denotes evaluation at the point around which Taylor expansion is computed. In order to maintain compact notation, the superscript 0 will be dropped in subsequent formulations.

In equation (4-4)

$$\begin{aligned} \Delta F_1 &= a x_3 - x_1 \\ \Delta F_2 &= b x_3 - x_2 \\ c &= x_3 / X_3^i \end{aligned}$$

Equation (4-4) in matrix notation is:

$$\vec{\Delta F} = [A] \vec{\Delta x} - c [A] \Delta X' \quad (4-5)$$

Since,

$$\vec{X}' = [M] [L] \left\{ \vec{X}^G - \vec{X}^C \right\} = [M] [L] \vec{X}$$

then

$$\vec{\Delta X}' = [\Delta M] [L] \vec{X} + [M] [\Delta L] \vec{X} + [M] [L] \Delta \vec{X} \quad (4-6)$$

Applying the notion of differential rotation vector to equation (4-6), that is,

$$[\Delta M] = \left[S_{\Delta \vec{T}_M} \right] [M] \quad (4-7)$$

in which, $\left[S_{\Delta \vec{T}_M} \right]$ is a 3x3 skew-symmetric matrix in the elements

$(\delta T_{M1}, \delta T_{M2}, \delta T_{M3})$ of the differential rotation vector $\Delta \vec{T}_M$.

Equation (4-6) can now be written as:

$$\begin{aligned} \vec{\Delta X}' &= \left[S_{\Delta \vec{T}_M} \right] [M] [L] \vec{X} + [M] \left[S_{\Delta \vec{T}_L} \right] [L] \vec{X} + [M] [L] \Delta \vec{X} \\ &= \left[S_{\Delta \vec{T}_M} \right] \vec{X}' + [M] \left[S_{\Delta \vec{T}_L} \right] \vec{X}'' + [M] [L] \Delta \vec{X} \\ &= - \left[S_{\vec{X}'} \right] \Delta \vec{T}_M - [M] \left[S_{\vec{X}''} \right] \Delta \vec{T}_L + [M] [L] \Delta \vec{X} \end{aligned} \quad (4-8)$$

Substituting (4-8) into (4-5) results in the condition equation

$$\begin{aligned} \Delta \vec{F} &= [A] \Delta \vec{X} + c [A] \left[S_{\vec{X}'} \right] \Delta \vec{T}_M + c [A] [M] S_{\vec{X}''} \Delta \vec{T}_L \\ &+ c [A] [M] [L] \Delta \vec{X}^C - c [A] [M] [L] \Delta \vec{X}^G \\ &= [A] \Delta \vec{X} + [B] \Delta \vec{T}_M + [C] \Delta \vec{T}_L + [D] \Delta \vec{X}^C - [D] \Delta \vec{X}^G \end{aligned} \quad (4-9)$$

4.3 Relationship between Differential Rotation Vector $\Delta \vec{T}_L$ and Differentials of Rotation Angles ($\alpha_t, \delta_t, \theta_t$):

It is possible to prove the following relations:

$$\Delta \vec{T}_L = \begin{bmatrix} 0 & \sin \alpha & l_{13} \\ 0 & -\cos \alpha & l_{23} \\ 1 & 0 & l_{33} \end{bmatrix} \begin{bmatrix} \Delta \alpha_t \\ \Delta \delta_t \\ \Delta \theta_t \end{bmatrix} \quad (4-10)$$

$$[L] = [l_{ij}] \quad , \quad i = 1,2,3, \quad j = 1,2,3$$

Now assume that only θ_t changes with time according to the expression:

$$\theta_t = \theta_0 + \theta_1 t + \theta_2 t^2 \quad (4-11)$$

Then equation (4-10) can be written as:

$$\Delta \vec{T}_L = \begin{bmatrix} 0 & \sin \alpha & l_{13} \\ 0 & -\cos \alpha & l_{23} \\ 1 & 0 & l_{33} \end{bmatrix} \begin{bmatrix} 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & \theta_1 + 2\theta_2 t & 1 & t & t^2 \end{bmatrix} \begin{bmatrix} \Delta \alpha \\ \Delta \delta \\ \Delta t \\ \Delta \theta_0 \\ \Delta \theta_1 \\ \Delta \theta_2 \end{bmatrix} \quad (4-12)$$

Equation (4-12) can be substituted into equation (4-9) resulting in the complete form of the photogrammetric condition equations.

5. Unified Least Squares System (ULSS)

Because of the complexity of the computations involved in the Apollo triangulation, it was necessary to employ a rigorous least squares solution.

ULSS is a software package which allows for automated application of least squares principle in any adjustment program. The advantage of ULSS is that adjustment programs of varying degrees of complexity can be economically constructed. Furthermore, the unification of least squares application into a single software module allows the best guarantee of theoretical and computational integrity of the adjustment operations.

The best way to describe the operations of ULSS is to show its role in a typical adjustment system. Figure 8 is a general functional chart of an adjustment system employing ULSS. The diagram presents ULSS in terms of four major components:

(a) Data Structuring Module:

The function of this module is to change the structure of input data to a special structure which conforms to "Astoray" algorithm for least squares solution. The special data structure is built up into the "Structured Observation" data store within the "Data Base." The data structure produced by this module directly affects the degree of optimization of least squares computations. Data structuring is guided by the parameters which define the adjustment network and by the order in which indirect observations are handled in this program module.

(b) Least Squares Module:

This module operates directly on the "Structured Observation" data store. It adjusts the contents of this data store through the rigorous application of the least squares principle.

In the course of its operation, this module assumes the responsibility of delivering all the needed parameters to the appropriate "Condition Equation Generator" which in turn evaluates condition parameters and hands it back to this module for proper disposition.

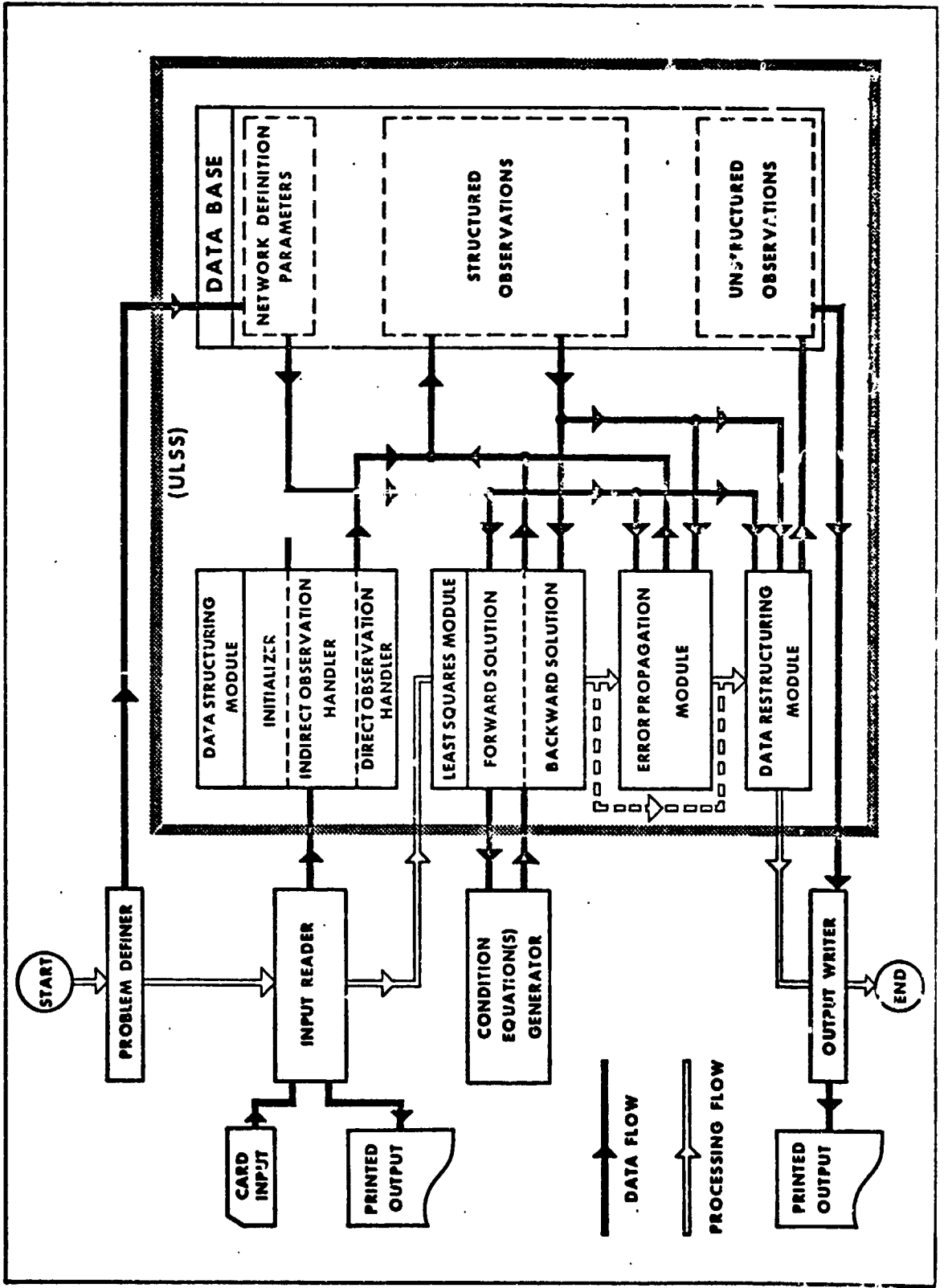
(c) Error Propagation Module:

The inversion of the coefficient matrix for the normal equations takes place in this module. The result of the matrix inversion is stored back into the appropriate places within the "Structured Observation" data store.

(d) Data Restructuring Module

This module operations are essentially the reverse of those performed by the Data Structuring Module. The contents of the "Structured Observation" data store are transformed back into a structure similar to that of input data to the Data Structuring Module. The restructured data are placed in the "Unstructured Observations" data store within ULSS Data Base.

Figure 8
Functional Chart of Unified Least Squares System



The capabilities of ULSS are best reflected by the various parameters required for the definition of an adjustment network. ULSS needs object and observation characteristics to guide its operations.

The object under adjustment is characterized by:

- (a) Number of object elements (object points, camera parameters, orbit parameters, camera station altitudes, etc.) Ten object elements can be accommodated in the present version of ULSS.
- (b) Optimization priorities of object elements. These priorities are needed to guide least squares solution optimization.
- (c) Assigned number of characters that identifies members of object elements.
- (d) Number of components in the primary parameters of each object element. ULSS presently limits this number to seven. An object element which requires more components may be subdivided into more than one object element.
- (e) Number of components in the auxiliary parameters of object elements. The auxiliary parameters are usually direct functions of the corresponding primary parameters.
- (f) Maximum number of members in each object element (object points, cameras, orbits, camera stations, etc.)
- (g) Logical identification of four data sets for each object element.
- (h) Flags identifying each object element as active or non-active in relation to the least squares solution.
- (i) Flags identifying the type of covariance matrices for each object element. ULSS will handle full or diagonal covariance matrices.

Observations on the object under adjustment are characterized by:

- (a) Number of different types of observations. ULSS in its present form can handle up to ten different types of observations.
- (b) Logical identification of Condition Equation Generator for each type of observation.
- (c) Number of components for each observation type. The present version of ULSS can accommodate up to four components.

(d) Number of condition equations resulting from each type of observation.

(e) Number and logical identifications of object elements that participate in each type of observation.

(f) Logical identifications of two data sets for each type of observations.

(g) Flags identifying each observation type as active or non-active in relation to least squares solution.

(h) Flags identifying the type of covariance matrices for each observation type. Full and diagonal covariance matrices are allowed in ULSS.

6. Photogrammetric Orientation of the Moon

The presence of a terrain camera and stellar camera on the Apollo 15, 16, and 17 missions provided a unique opportunity to perform an independent determination of the orientation of the Moon with respect to the stellar coordinate system. In view of the limited coverage and duration of the three Apollo missions, only a simplified model for the Moon's orientation could be considered. The selected model assumed a fixed orientation for the Moon's rotation axis expressed in terms of the right ascension α and declination δ of the north pole. It also assumes the Moon's rotation rate around its axis to be a linear function of t and t^2 . The model can be used directly to compute the Moon's orientation parameters or it can be used to compute deviations from any one of the established libration models of the Moon. This second use is of special interest for the following reasons:

- (a) Complicated libration models of the Moon cannot be directly evaluated from the limited photogrammetric data available. However, deviations from these models, which can be assumed to have a simple mathematical form for the duration of the photographic mission can be computed.
- (b) The absence of statistically significant deviations from any of the established Moon libration models is a very strong assurance of the integrity of the data used in the photogrammetric computations of surface coordinates.

The parameterization of the Moon's orientation is described in the mathematical model given in Section 4.

Estimation of the orientation parameters were conducted in a rigorous least squares solution. The task of building the necessary software for the adjustment problem was greatly simplified by the software package entitled "Unified Least Squares Solution (ULSS)," which is described in Section 5. Two separate solutions were computed for the celestial orientation of the axis and rotation rate of the Moon during the Apollo 15 and 16 Missions. Furthermore a separate solution was conducted for the computation of the deviations of the photogrammetric orientation of the Moon from the Eckhardt libration model.

6.1 The Apollo 15 Libration Solution

The data employed in the Apollo 15 solution are given in Table 4. The photographs were selected to give a compact block across the widest part of the total coverage, thus including both first and last photographic passes and encompassing the maximum time span. The results of the solution are shown graphically in figures 9, 10, and 11. The diagrams show the computed values and the 99 percent confidence region derived from the ULSS. Also shown on each diagram is the value of the parameter as given by the Eckhardt libration model.

Table 4
 Data Employed in Apollo 15
 Libration Solution

Number of photos.....	44
Number of surface points.....	317
Number of image points.....	1220
Average number of images/surface point.....	3.85
Number of laser altimeter ranges.....	7
Flight duration.....	4 ^d 14h 19 ^m
Moon's angular rotation during mission.....	60° 28' 55"
Photographic coverage:	
Longitude (70° 03' 27") to (90° 49' 33").....	20° 46' 06"
Latitude (-21° 29' 05") to (8° 08' 41").....	29° 08' 41"
Mean standard deviation of terrain camera attitude angles	
Roll.....	26".8
Pitch.....	8".8
Yaw.....	23".8
RMS of image coordinates.....	9.5μm
Estimated standard deviation of image coordinates.....	12.8μm

Figure 9

APOLLO 15

NORTH POLE DECLINATION ($90^\circ - \delta$)

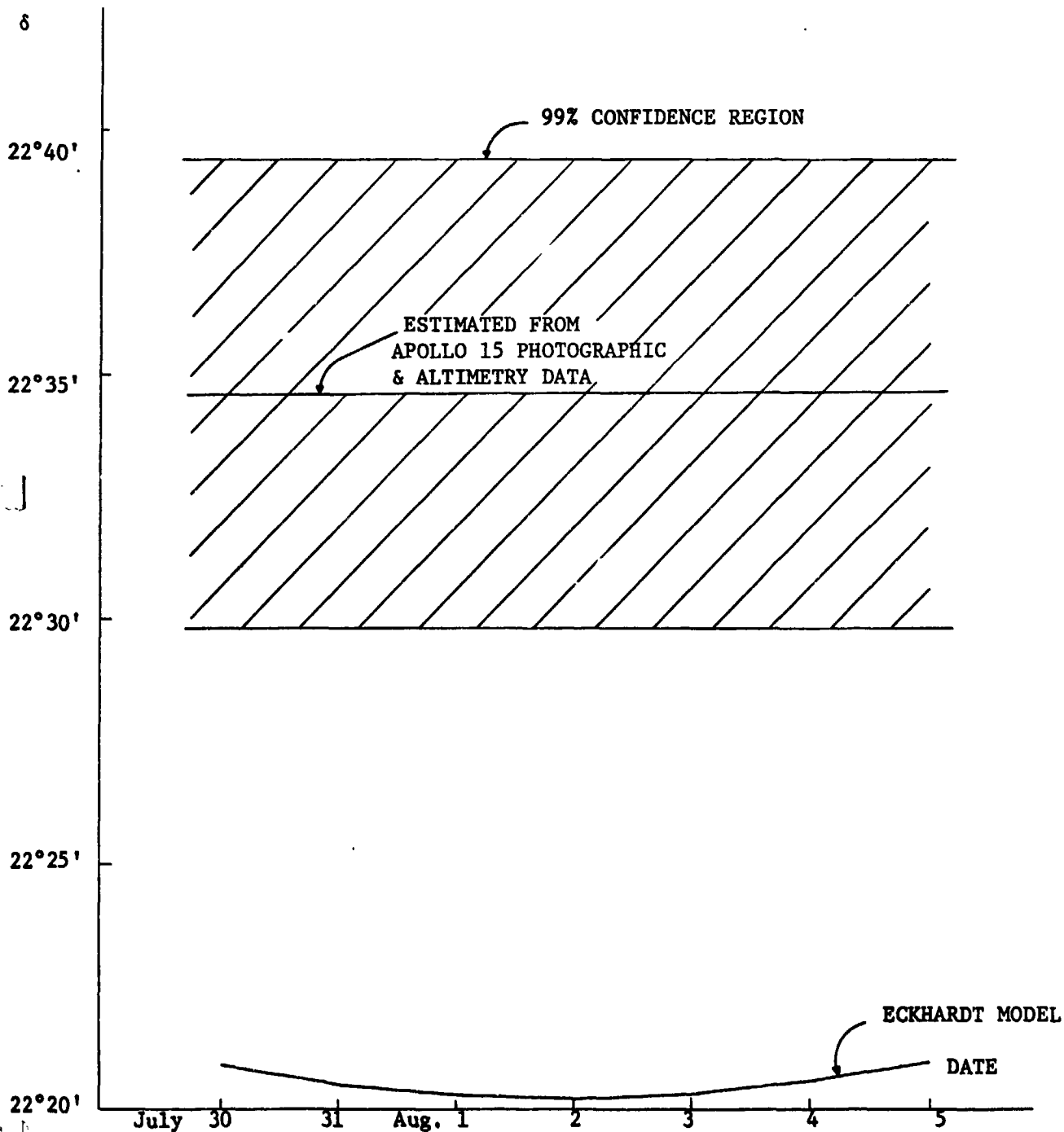


Figure 10

APOLLO 15

NORTH POLE RIGHT ASCENSION (α)

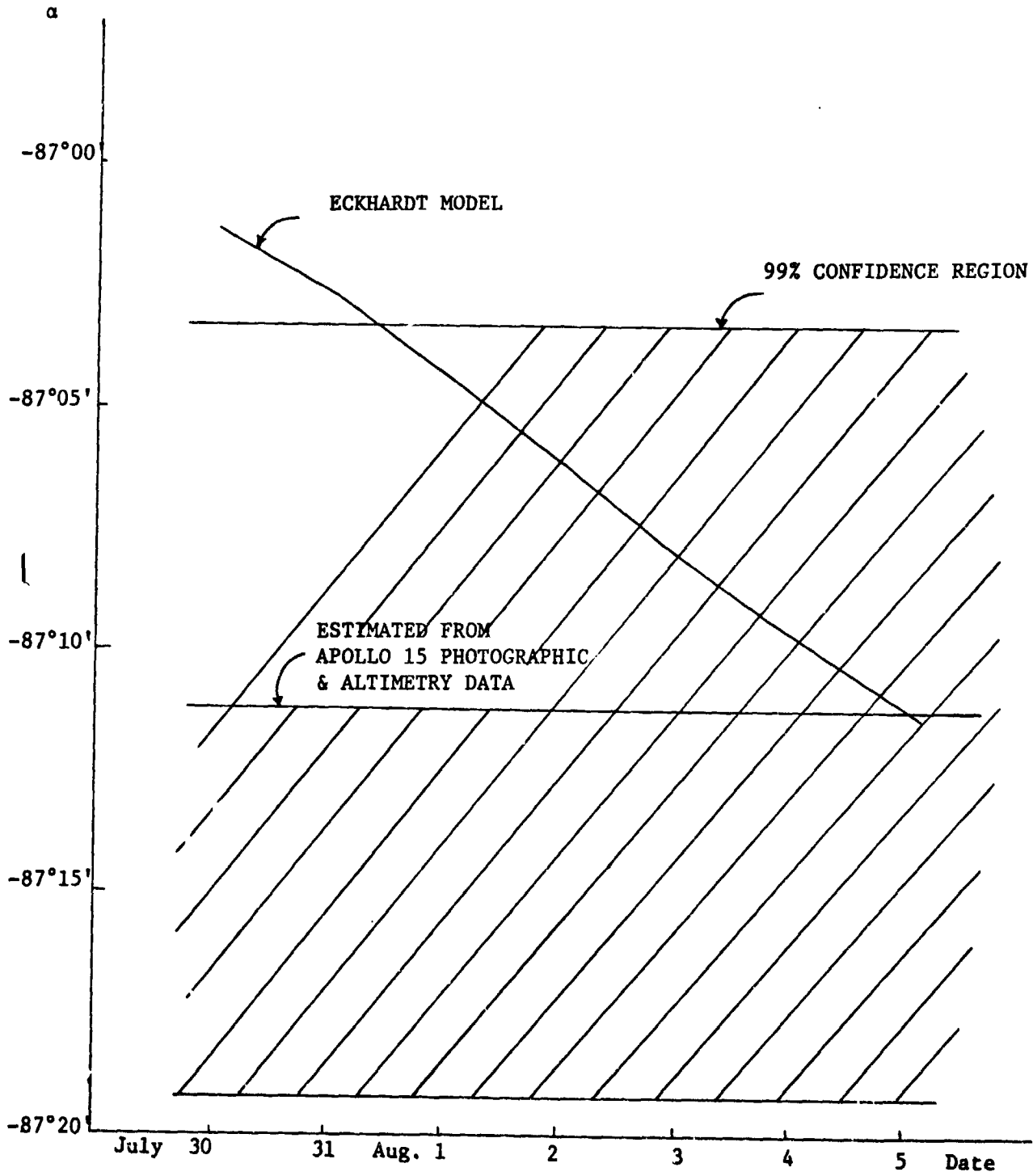
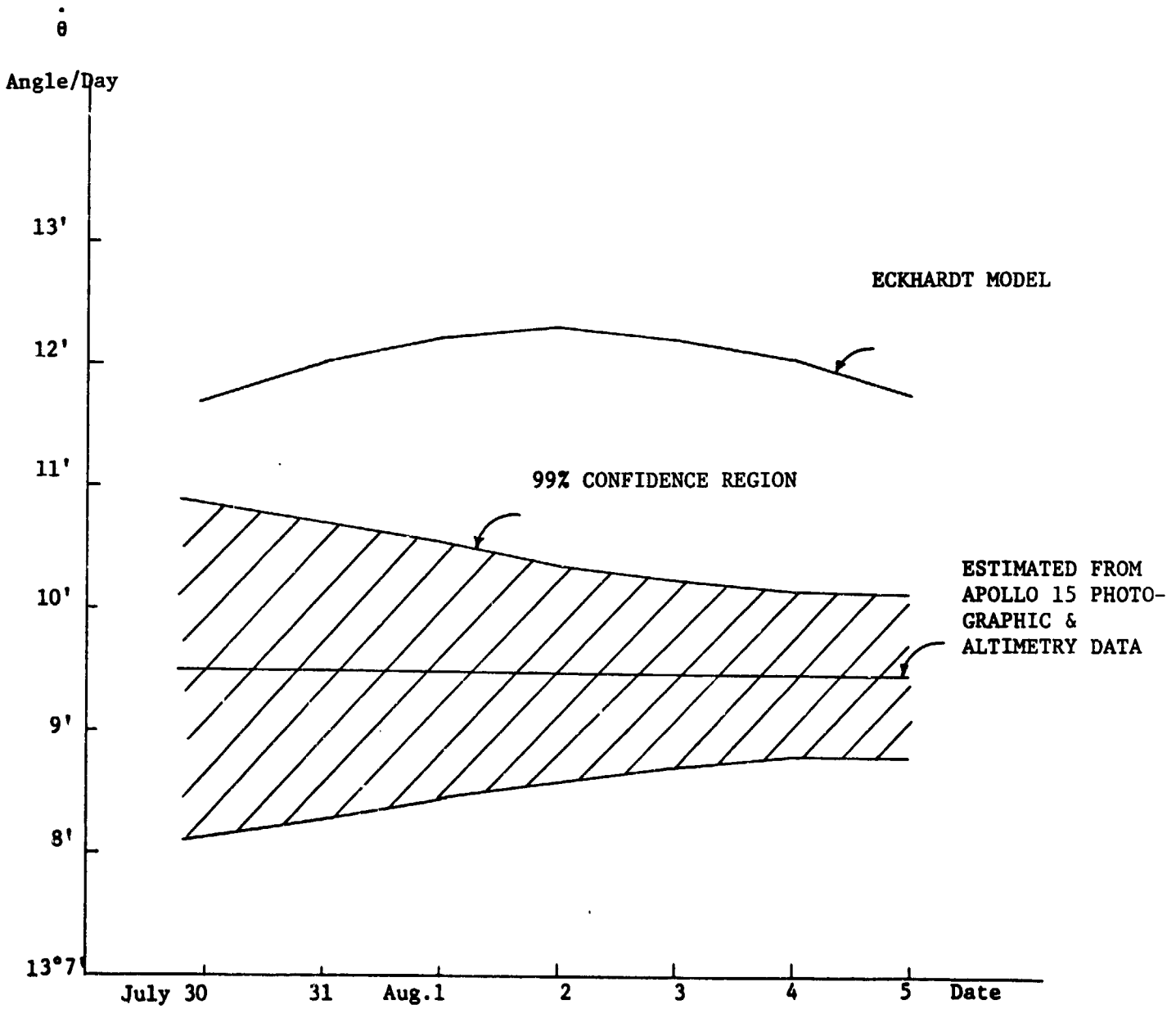


Figure 11

APOLLO 15

ANGULAR VELOCITY ($\dot{\theta}$)



6.2 The Apollo 16 Libration Solution

A similar solution was performed to determine the libration values during the Apollo 16 mission. The data entering this solution are listed in Table 5.

The results of this solution are shown graphically in figures 12, 13, and 14.

6.3 Deviations of Moon's Photogrammetric Orientation from Eckhardt Libration Model

In both the Apollo 15 and 16 computed libration solutions, the Eckhardt values fall outside the 99 percent confidence limits for the photogrammetric parameters. This undoubtedly means that the data set was insufficient to determine absolute values of the parameters. For this reason a central photographic block from the three Apollo missions was chosen for the computation of deviations of the Moon's orientation from the latest libration model published by D. H. Eckhardt of Air Force Cambridge Research Laboratories at Hanscom Air Force Base in Massachusetts. A summary of the photogrammetric data is given in Table 6.

The computations involved the evaluation of 13,289 condition equations with the resulting system of normal equations containing 5282 unknowns.

Results of the least squares solution showed deviations between the photogrammetric determination of the Moon's rotation axis and the corresponding values obtained from Eckhardt's libration model to be:

$$\begin{aligned} &= 0'' \pm 12' 56'' \text{ in declination of north pole} \\ \text{and} \\ &= 0'' \pm 12' 55'' \text{ in right ascension of north pole.} \end{aligned}$$

Deviation in the rate of rotation of the Moon were found to be:

$$\begin{aligned} &= 0.529 \cdot 10^{-12} \pm .6027 \cdot 10^{-12} \text{ rad/sec for the } t \text{ coefficient} \\ \text{and} \\ &= 0.833 \cdot 10^{-19} \pm .7582 \cdot 10^{-19} \text{ rad/sec for the } t^2 \text{ coefficient} \end{aligned}$$

These deviations are statistically insignificant and provide positive assurance of the integrity of data used in the analytical triangulation of the Moon's surface points.

Table 5
Data Employed in Apollo 16
Libration Solution

Number of photos.....	20
Number of Surface points.....	236
Number of image points.....	918
Average number of images/surface point.....	3.89
Number of laser altimeter ranges.....	15
Flight duration.....	3 ^d 18 ^h 56 ^m
Moon's angular rotation during mission.....	49° 54' 10"
Photographic coverage:	
Longitude (79° 04' 44") to (93° 12' 40").....	14° 07' 56"
Latitude (-6° 08' 35") to (7° 04' 25").....	13° 13' 00"
Mean standard deviation of terrain camera attitude angles	
Roll.....	4".4
Pitch.....	12".9
Yaw.....	3".2
RMS of image coordinates.....	12.9 μm
Estimated standard deviations of image coordinates.....	17.6 μm

Figure 12

Apollo 16

DECLINATION OF NORTH POLE (δ)

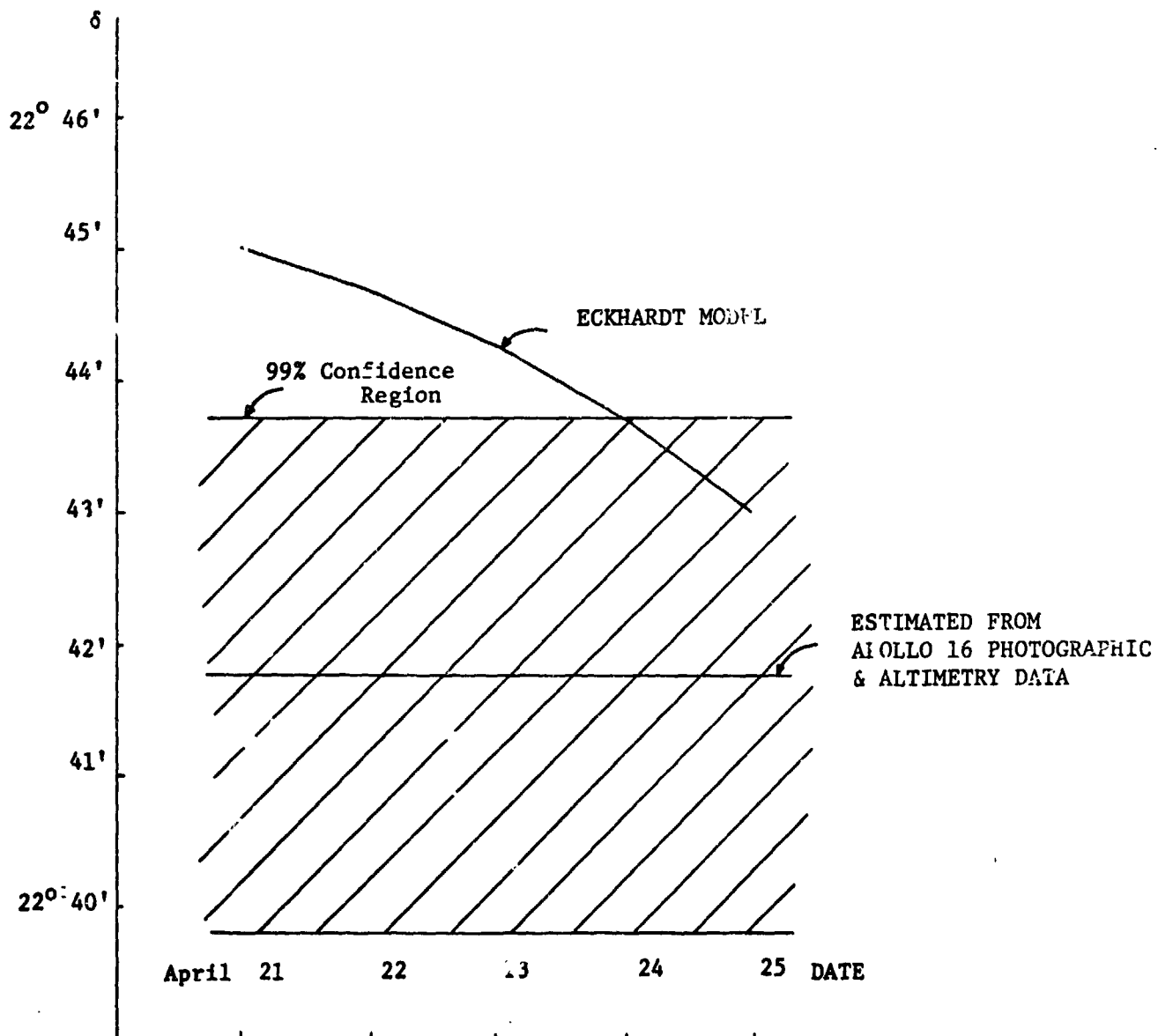


Figure 13

APOLLO 16

RIGHT ASCENSION OF NORTH POLE (α)

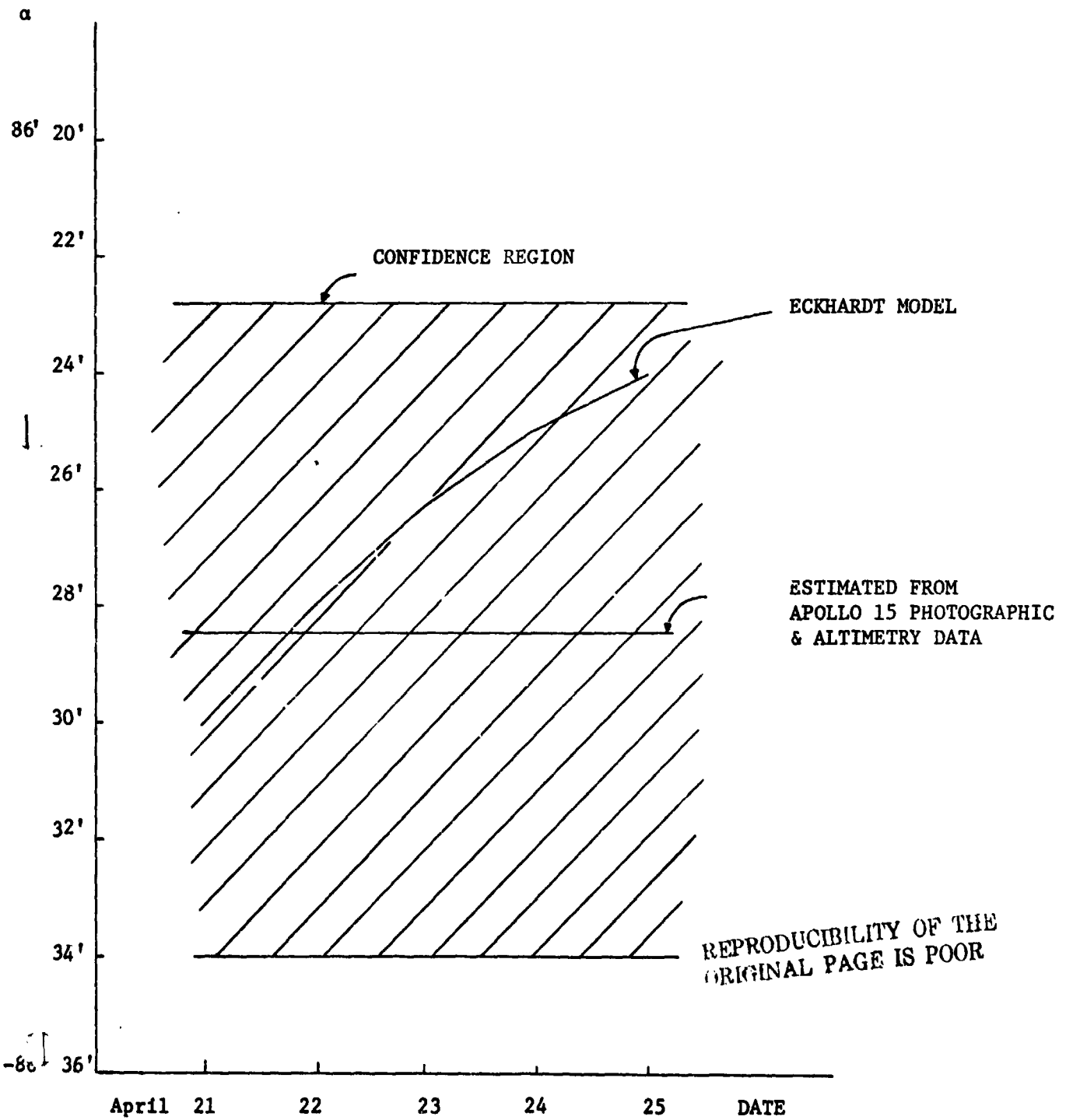


Figure 14

APOLLO 16

ANGULAR VELOCITY ($\dot{\theta}$)

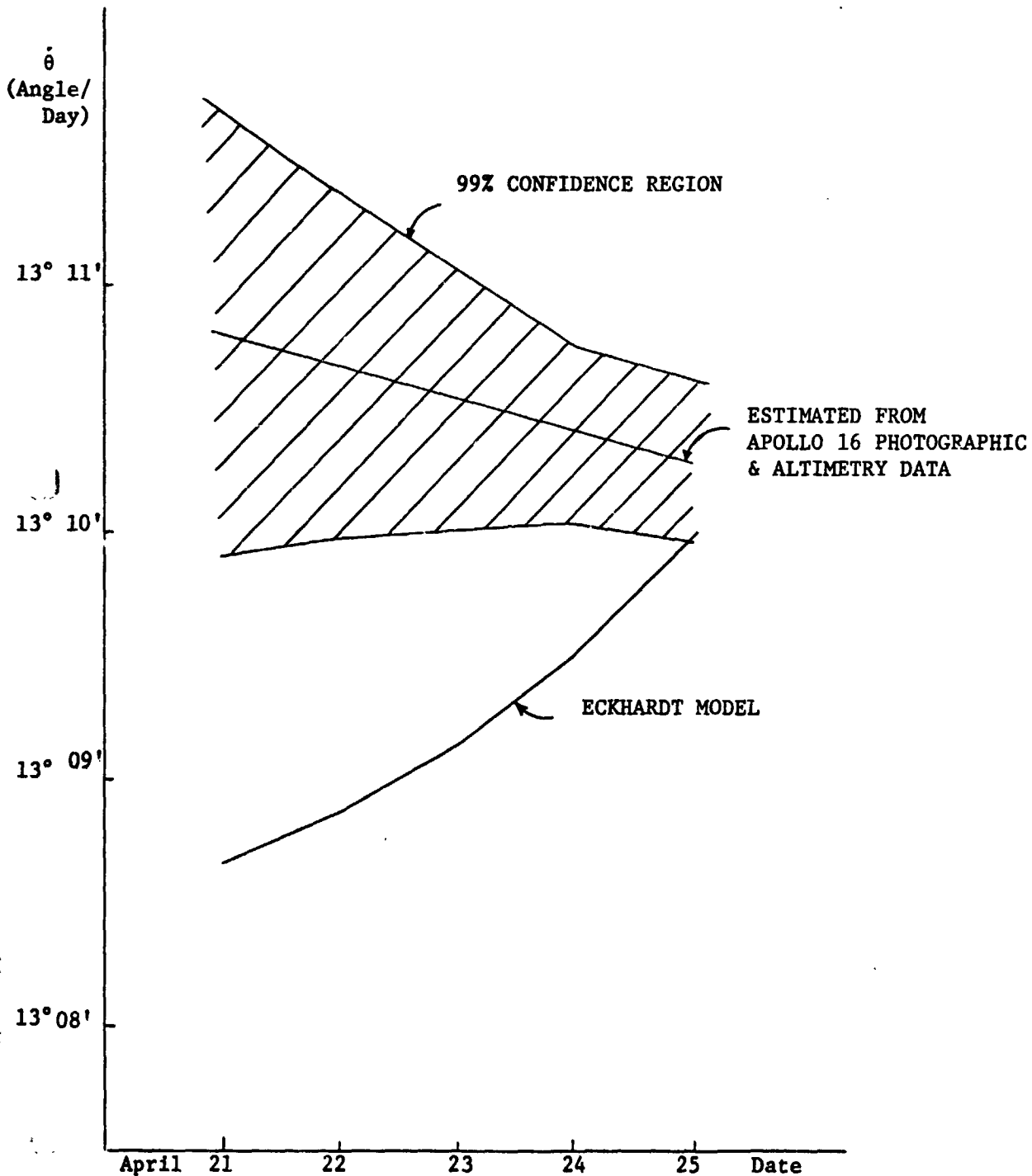


Table 6
Data Employed in Three Mission Libration Solution

Number of photos	306
Number of surface points	1044
Number of image points	6575
Average number of images/surface point	6.30
number of laser altimeter ranges	139

Flight duration	(Mission 15)	4 ^d 14 ^h 36 ^m 59 ^s
	(Mission 16)	3 ^d 19 ^h 13 ^m 18 ^s
	(Mission 17)	4 ^d 22 ^h 53 ^m 34 ^s

Photographic coverage:

Longitude (39° 47' 26') to (104° 43' 01") 64° 55' 35"

Latitude (-11° 54' 15") to (13° 11' 23") 25° 05' 38"

A priori estimates of standard deviations for image coordinates

(Mission 15)	9.7 μm
(Mission 16)	19.7 μm
(Mission 17)	7.8 μm

7. Selenodetic Control Network

The simultaneous solution for 1244 exposure station positions and ground point coordinates for the three Apollo missions 15, 16, and 17 represents the largest single photogrammetric network which has yet been attempted. The normal equations to be solved for 23,000 unknowns would occupy more than half a billion storage locations. To reduce this problem to manageable proportions, some techniques that are in standard use in analytical photogrammetry, and some that are not in general use, were employed.

7.1 Bandwidth Minimization

Any large photogrammetric network produces a normal equation matrix which, while it is very large, is also very sparse. Of equal importance, the structure of this matrix is known, and to a large extent can be controlled by the photogrammetrist. By judiciously selecting the order of the unknown parameters, storage of large blocks of zeros can be avoided, thus reducing the computer memory requirement. A standard technique, attributed to D.C. Brown (1958), provides a tremendous saving by eliminating the contribution of all unknown ground points from the matrix that must be retained in core storage. The full normal equation matrix can be partitioned

$$\begin{bmatrix} A & B \\ B^T & C \end{bmatrix}^{-1} = \begin{bmatrix} K & L \\ L^T & M \end{bmatrix} \quad (7-1)$$

where A is quasidiagonal with 6 x 6 submatrices along its diagonal, one for each frame of photography. Likewise, C is quasidiagonal with 3 x 3 submatrices, one for each ground point, along its diagonal. By standard formulas for inversion of partitioned matrices

$$K = (A - BC^{-1}B^T)^{-1} \quad (7-2)$$

and

$$M = C^{-1} + C^{-1}B^TKBC^{-1} \quad (7-3)$$

But since C is quasidiagonal, the unknown ground points can be processed sequentially, without forming either B or C, to obtain a reduced normal equation matrix with the dimensions of A, i.e.,

$$K = (A - \sum B_i C_i^{-1} B_i^T)^{-1} \quad (7-4)$$

Once K has been computed, the covariance matrices of the ground points can be computed sequentially from

$$M_i = C_i^{-1} + C_i^{-1} B_i^T K B_i C_i^{-1} \quad (7-5)$$

Of course, application of (7-4) destroys the quasidiagonality of A. A ground point on both the photo represented by the *i*th diagonal block, and the one represented by the *j*th diagonal block will produce an off-diagonal, non-zero block at location *ij*. But since there is a physical limit to the number of photos that can see the same ground points, the reduced normal equations will still be relatively sparse. Judicious ordering of the photos within the original A matrix can keep the nonzero elements close to the diagonal to produce a banded matrix, whose bandwidth is the distance from the diagonal, recorded in 6 x 6 submatrices (or photos), to the farthest off-diagonal nonzero block.

The bandwidth of the reduced normal equations is extremely important because, using a block-bordering algorithm, the matrix inversion process requires that storage be allocated for only *m*(*m*-1) submatrices of dimension 6 x 6. The remainder of the matrix is stored temporarily on disk and read into core, *m* blocks at a time, to replace *m* blocks that have been operated upon and output to disk.

Two attempts were made to minimize the bandwidth of the Apollo photo block using intuition and experience. It is well known that, for regular, parallel strips of photography, minimum bandwidth results from numbering the photos across, rather than along the strips, provided that the number of photos in a strip exceeds the number of strips. Therefore, the first approach was to apply cross-strip numbering to the approximately parallel passes of missions 15 and 17 and to integrate the mission 16 exposures into this numbering scheme in a seemingly logical fashion. This method was used to reorder a 300 photo block from the area of most dense coverage and resulted in a bandwidth of 83 photos requiring a minimum storage of 249,498 locations.

The second method was essentially cross-strip numbering using imaginary strips parallel to the long dimension of the block. The nadir point of each photo was plotted, and a line was constructed through the center of the plot approximately parallel to the long dimension of the block. A template was then slid along this line and the photos were numbered in the order in which their plotted positions were encountered. This method reduced the bandwidth of the 300 photo blocks to 59 photos requiring 126,378 storage locations, but produced

an 84 photo bandwidth when applied to the total block,

Finally, it was agreed that intuition was inadequate for this task, and a National Geodetic Survey adaptation of the U.S. Naval Ship Research and Development Center's BANDIT Program was employed. This program utilizes a bandwidth minimization algorithm developed by Cuthill and McKee (1969), and is being used by NGS in the readjustment of the North American Datum. Modifications of this program for use with the Apollo data required several weeks, but proved to be time well spent. The bandwidth of the 300 photo block was reduced to a very tractable 45 photos requiring 73,710 storage locations.

When this program was applied to the total Apollo block, the bandwidth was reduced to 60 photos. This was an extremely fortuitous result, since the maximum bandwidth that could be accommodated by the CDC-6600 computer was 65 photos.

7.2 Block Adjustment

Before attempting a simultaneous adjustment, each mission was adjusted individually. This provided: (a) a means for identifying and deleting measurement blunders, (b) a realistic estimate of the image measurement precision for each mission, and (c) better values to be used for initial estimates of the exposure station positions. The individual adjustments were performed on the CDC-6600 computer using the MUSAT IV Program (Elassal et al, 1970). The observed variables consisted of image coordinates, which were assigned a standard deviation of 10 micrometers, and range measurements, assumed to have a standard deviation of one meter. The unknown parameters were the orientation angles of each frame, which were weighted using the covariance matrices obtained from the stellar reductions, and exposure station positions, which were unconstrained.

A large number of measurement and/or identification blunders were detected. Most of these were on Mission 16, which, as mentioned earlier, had not been previously edited. Since the initial density of measured images was so high, especially on Mission 16, deletion of these blunders caused no significant deterioration in the geometric strength of the observations. Therefore, no attempt was made to recover any of these images.

From the individual mission adjustments estimates obtained for the standard deviation of unit weight of an image coordinate were:

Mission 15 -	9.7 μm
Mission 16 -	19.7 μm
Mission 17 -	7.8 μm

These figures indicate that the measurement error on Mission 16 is more than twice that of the other two missions. This is not quite correct. On Mission 16 there are probably a number of "slight misidentifications" which tend to inflate the measurement error. For example a terrain feature may be selected and measured on three consecutive exposures of a single strip with a high degree of precision, but on an adjacent strip a different part of that terrain feature may have been used because of the change in sun angle. The second set of measurements may be equally precise, but a much larger standard deviation will result from combining these two sets of measurements.

DMA-AC recognized this problem in the measurement of Missions 15 and 17. When this situation arose, and if other images in the same area fit across the strips with small standard deviations, they assumed that they had measured a near, but different, terrain point and assigned a new name to it. See, for example, points D6588 and D658H on page A-9 of Appendix A. Since neither point is a significant landmark whose position is of prime importance, there is nothing improper, either mathematically or photogrammetrically, in assuming that what was originally considered to be a single terrain point is actually two very close points. A weak tie between the two strips is sacrificed for a strengthening of the ties between adjacent photos of both strips, and, assuming that a sufficient number of strong ties between the strips exist, the standard deviation of the image measurements has been improved.

In each individual mission adjustment the exposure station positions obtained from the tracking orbits were used as initial estimates, but were permitted unconstrained adjustment. However, the position of one exposure station on each mission was held fixed and served as the only positional constraint. Therefore each mission was initially adjusted to its own arbitrary origin of coordinates. Eventually one terrain point, 22051, was chosen to be the only positional constraint for the simultaneous adjustment. This point is near the center of the block, appears on at least three exposures in every mission, and obtained small image measurement residuals in all individual mission adjustments. The mean of the three positions obtained for terrain point 22051 from the individual adjustments was assigned to this single control point.

In the simultaneous adjustment, as in the individual adjustments, the laser range data were treated as observed variables with a standard deviation of one meter, and they provided the necessary scale constraint. The image coordinates completed the set of observables and were assigned the standard deviation of unit weight for the mission to which they belonged as derived from the individual adjustments.

A total of 51,138 image coordinates and 519 altimeter observations were used in the solution.

There were three types of parameters computed in the adjustment. The three orientation angles of each frame were parameterized, but assigned, a priori, the covariance matrices obtained from the stellar reductions. This set of constrained parameters furnished the orientation of the block. The remaining parameters, the positions of all exposure stations and the positions of all terrain points (except 22051), were completely unconstrained. No orbital constraints of any kind were employed; the position of the entire block was established by the single control point 22051. In all, 23,436 parameters were determined: three position and three orientation components for each of 1,244 photographs and three coordinates of each of 5,324 terrain points.

As in the individual adjustments the MUSAT IV Program was employed. Five iterations were required; three for the first edit cycle and one for each of two additional edit cycles. The simultaneous adjustment required the entire memory of NOAA's CDC-6600 computer (330,000 octal words) and took 14 hours of clock time (4 hours and 40 minutes of central processor time). Every three hours the processing was interrupted and the total computer environment, including the contents of all disk files, was recorded on magnetic tape in order to provide a restart capability in the event of a malfunction of any type. This proved to be unnecessary due to the diligence and cooperation of the computer operations staff, and the total adjustment was completed on the first try.

Since the position of the block was determined by an assumed position of one terrain point, the computed positions of all exposure stations and terrain points are consistent with one another, but are referred to an arbitrary origin of coordinates. DMA used the tracking ephemeris of revolution 44 of Mission 15 as position constraints and, thereby, referred their mapping to the center of mass of the Moon as defined by that orbit. In order to minimize the discrepancies between the NOS/GS computed positions and the DMA results, the same coordinate origin was chosen. After the adjustment had been completed all positions were translated, but not rotated, to best fit the tracking ephemeris of revolution 44 of Mission 15.

7.3 Results of Block Adjustment

A summary of the results of covariance propagation to the computed terrain point positions is shown in figure 15. The standard deviations

in horizontal position, shown in this figure, are radii of probability circles, i.e.,

$$\sigma_H = R(\sigma_\phi^2 + \sigma_\lambda^2 \cos^2 \phi)^{1/2}$$

where R is the mean radius of the Moon, and the variances in latitude and longitude ($\sigma_\phi^2, \sigma_\lambda^2$) are in (radians)². There was little difference between the standard deviations in horizontal position, σ_H , and elevation, σ_E , for the individual ground points represented by these bar graphs. For 70% of the points, σ_H is less than 30 meters, and for 74%, σ_E is less than 30 meters, a result that is quite respectable in comparison with previous lunar control networks.

Slightly more than one percent of the points have standard deviations greater than 100 meters and a few exceed 1,500 meters. The reason for the lack of precision in the positions of these points becomes obvious with reference to figure 16, which shows the spatial distributions of the standard deviations, σ_H and σ_E . The shaded areas, inside the $\sigma = 30$ meters contours, are essentially the same on both maps and coincide with the area of most dense photo coverage and laser ranging. Inside these areas, there are a few points at which $\sigma > 30$ meters (see Appendix A), which are the result of a terrain point having been observed on only two or three photographs. Near the ends of the strips, all points are observed on no more than three photographs, and there is a substantial increase in the standard deviations as seen on the left-hand edge of the maps. On the left-hand edge, and particularly the lower left, the absence of adjacent passes combined with the complete lack of range observations causes a very substantial increase in σ_E and a tremendous increase in σ_H . Obviously, the photogrammetry was incapable of extrapolating over large distances without benefit of scale control, but initially it seems strange that horizontal position errors should increase more rapidly than elevation errors.

The photographs in this area are all from mission 16. Strip G of that mission terminates at a point near the 120 meter contour line for horizontal position. The area to the east of this point is covered by both strips G and R, with a range observation controlling the scale of each frame of strip G. West from this point, there is only strip R and no range observations; a situation similar to the classical cantilever extension, except that the attitude orientation of each frame

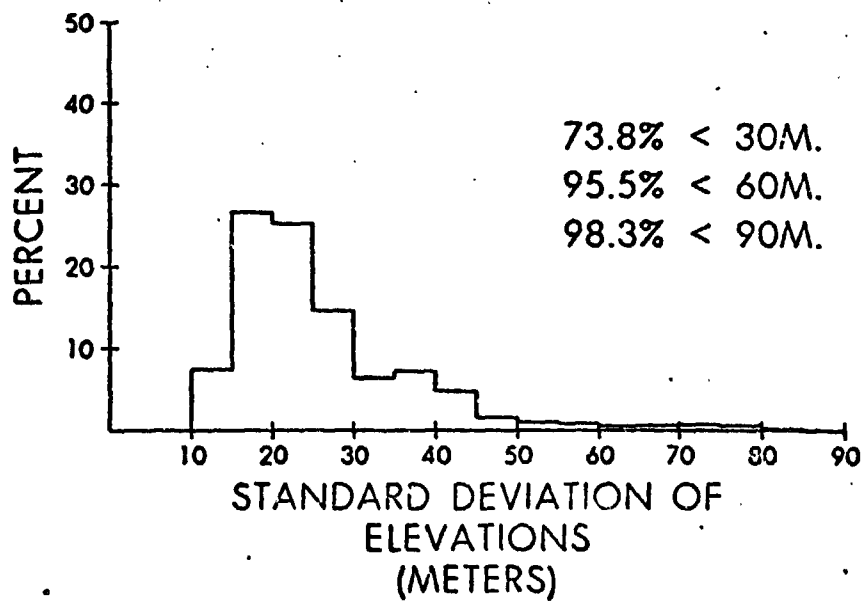
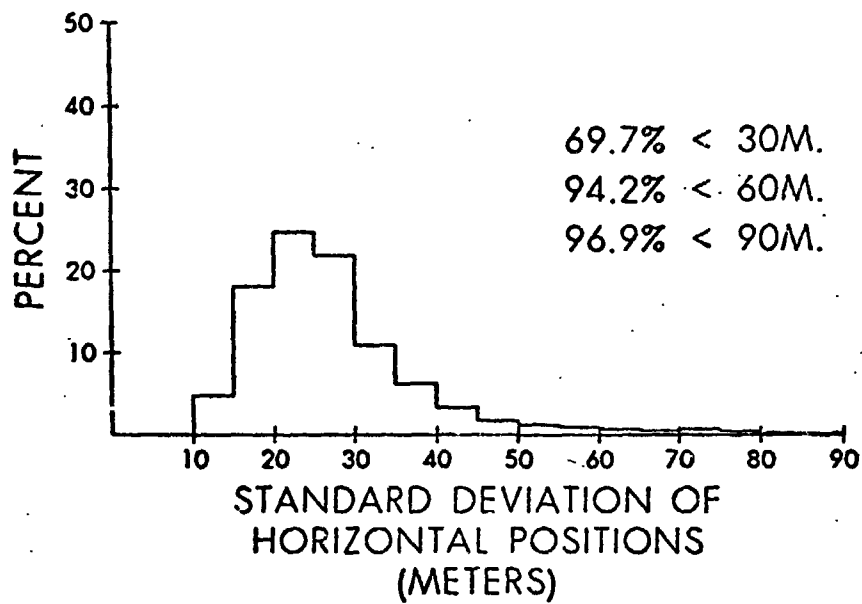
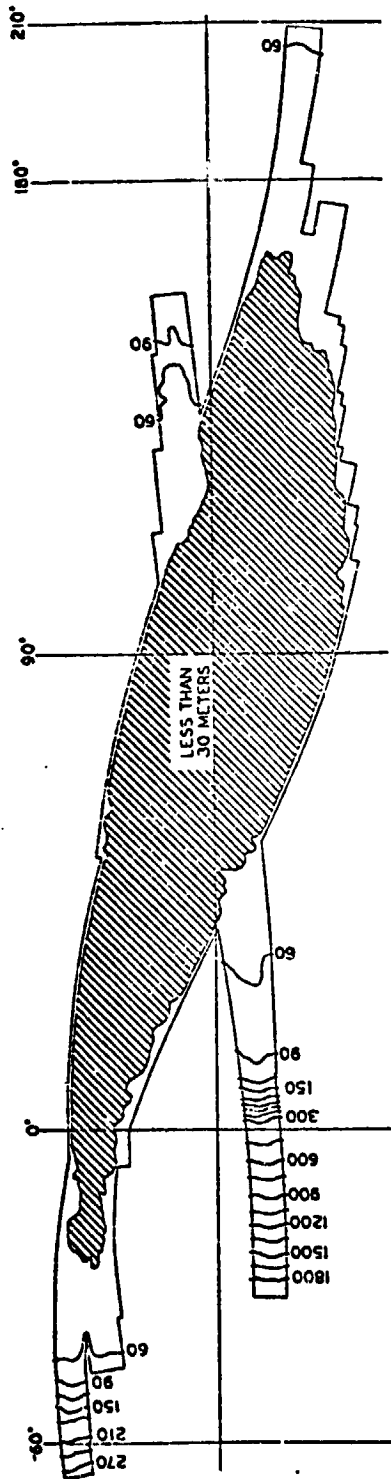
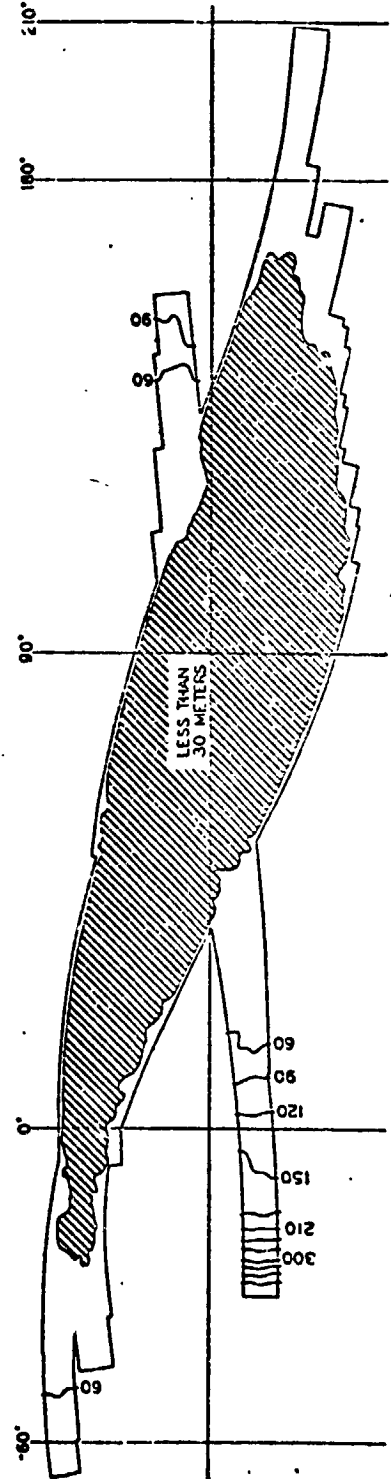


FIG. 15



STANDARD DEVIATION OF HORIZONTAL POSITIONS



Spatial Distribution of Standard Deviations

FIG. 16

is well determined from the stellar data.

Since the uncertainties in the terrain point positions are directly related to uncertainties in the positions of exposure stations from which they are intersected, it is informative to consider the standard deviation in the exposure station positions. From Table 7, in which the standard deviation in horizontal positions of the exposure stations are separated into components of Northing and Easting, it is apparent that the increase in σ_H is almost entirely the result of uncertainties in Easting, which is the along-track coordinate.

Table 7
Components of Standard Deviation for
Selected Exposure Stations

Frame No.	Standard Deviation in			Frame No.	Standard Deviation in		
	Northing	Easting	Elevation		Northing	Easting	Elevation
G66	28	64	48	R48	29	64	49
G67	29	67	49	R49	30	68	51
G68	30	71	51	R50	31	74	54
				R51	31	95	60
				R52	33	136	67
				R53	38	201	76
				R54	42	282	88
				R55	47	378	103
				R56	51	485	122
				R57	56	601	147
				R58	59	727	177
				R59	60	862	213
				R60	61	1006	256
				R61	59	1156	305
				R62	57	1311	362
				R63	55	1471	427
				R64	55	1636	499
				R65	59	1804	578

The along-track coordinate is almost entirely dependent upon scale transfer between stereomodels. It is well known that scale transfer dependent upon image points only increases as the square of the number

of models. Prevention of this scale error propagation was the fundamental reason for including the laser altimeter observations as a scale restraint. The lack of altimeter data in the western limits of Apollo 16 is undoubtedly the major reason for the along-track uncertainties.

As mentioned above, strip R, frames R50 through R65, approximates a cantilever extension in which the uncertainties in elevation would normally be expected to increase at a greater rate than those of the other two coordinates. Since the results shown in Table 7, in which the along-strip uncertainties increase much faster than the elevation uncertainties, are contrary to those obtained from classical cantilever extension, it appears that the attitude constraints are reducing the rate of increase in elevation errors. In order to verify this theory, a computer simulation was performed. A strip of five photographs was devised with the usual nine pass points per photo. There were three control points, all in the first model, and the attitudes of all photos were weighted so heavily as to remove them from the adjustment. The results of this simulation are given in Table 8.

Table 8
Components of Standard Deviation
for Simulated Test

Photo No.	Standard Deviation		Elevation
	Along Strip	Across Strip	
1	0.77	0.56	1.00
2	1.48	0.70	1.50
3	3.59	0.83	1.65
4	6.27	0.94	1.86
5	9.43	1.05	2.04

They show that, under the assumption of precisely determined attitude parameters from an external source, the along-strip errors in a cantilever extension do indeed increase at a greater rate than the elevation errors. Hence the large standard deviations that appear in figure 16 near the ends of the strips are a logical consequence of the distribution of photo coverage and laser range observations.

Since there is such a large area of the block in which the standard deviations are less than 30 meters, and since all strips pass through this area, the results of this photogrammetric adjustment may provide a means for improving the post-flight orbit analysis. If reliable orbits could be determined, using this approach, the uncertainties in terrain point positions near the ends of the strips could be vastly improved.

The computed positions of all terrain points are given in Appendix A where they are organized according to accepted lunar map sheets. Exposure station positions are given in Appendix B where they are organized according to Mission and photographic Rev number. Appendices A and B are published separately.

8. Conclusions and Recommendations

The work performed on this contract led to several significant conclusions and recommendations.

8.1 Conclusions

(a) The total mapping camera coverage produced by Apollo missions 15, 16, and 17 was disappointing in extent. Most damaging was the failure to complete an arc completely around the Moon. This would have permitted the block triangulation to close upon itself rather than hanging loose at the end of each mission. As a consequence, standard errors of position and elevation would probably have been around 30 meters throughout the block, rather than building up to several hundred meters at the ends of the unconstrained strips as shown in figure 16.

(b) The integrity of the photogrammetric solution greatly exceeded that of the orbital tracking data. Consequently the single simultaneous solution performed by NOS/USGS may be expected to be more homogeneous in accuracy and precision than the DMA solution in which orbital constraints were employed.

(c) The Eckhardt libration model used in the NOS/USGS solution has appreciable advantages over the more primitive Koziel model used in the DMA solution. The choice of the Eckhardt model results in significant differences in the selenocentric coordinate systems in the two solutions (see page 18). Although the NOS/USGS solution was eventually adjusted to the Apollo 15 rev 44 tracking data used as basic control by DMA, this adjustment was a translation only and not a rotation. The consequence is that both solutions have their coordinate origin at the same center of mass, but the superior angular orientation provided by the Eckhardt libration model is preserved in the NOS/USGS solution.

(d) The Apollo stellar data sets were inadequate to provide a valid independent solution for libration parameters (see figures 9 through 14) but the correctness of the theory derived in Section 4 is demonstrated by the statistically insignificant computed differences between the Apollo solution and the Eckhardt model as described in Section 6.3. This computation also demonstrated that there is no inconsistency between the Apollo data and the Eckhardt libration model. A similar comparison between the Apollo data and the Koziel model could have been performed, but it would certainly have shown the difference in angular orientation described on page 18.

(e) The exposure station positions and ground point coordinates computed in the NOS/USGS solution represent the most accurate and homogeneous set of values obtainable from the Apollo photogrammetric data. Any further refinement would be dependent upon:

- o Improved and homogeneous positions for camera exposure stations resulting from recomputation of orbital ephemerides. These would be particularly valuable at the limits of the coverage where the photogrammetric error propagation shows large standard deviations (see figure 16).

or

- o A grand simultaneous solution involving photogrammetric condition equations, gravity model parameters, unknown spacecraft thrusting, libration parameters, and spacecraft tracking data. However it is doubtful if the limited extent of Apollo data warrants such a solution.

(f) Although one of the original objectives of the research was to compute a new lunar ellipsoid, the failure to close the equator and the large standard deviations in coordinate positions at the ends of the unconstrained strips made it evident that this would not be a useful thing to do.

8.2 Recommendations

(a) The most obvious recommendation is that the photographic task should be completed. One of the greatest scientific disappointments of the Apollo Program was the failure to accomplish complete photographic coverage with the metric camera. There is now no NASA plan which will rectify this shortcoming. But it will be done sometime in the future -- if not by NASA, perhaps by the USSR.

(b) The exposure station positions given in Appendix B should be used in any further attempt to refine the orbits of Apollo missions 15, 16, and 17. It is important to recognize the systematic differences between these positions and those provided by the DMA solution. These systematic differences result from the use by

NOS/USGS of the improved Eckhardt libration model while the DMA solution employed the earlier Koziel model. Thus the NOS/USGS solution coincides better with the real geometric situation of the Moon.

If the exposure station values are used in any further attempts to improve mission ephemerides, only those having standard deviations of 30 m or less should be included, unless a sophisticated weighting scheme is employed based upon the listed standard deviations

(c) It is unfortunate - though perhaps inevitable - that the current lunar mapping program is based upon control established by the DMA solution. The systematic differences between the two solutions (up to 640 m in latitude and 1938 m in longitude, see page 18) result in sensible displacements of the map graticule even at the smallest scale as shown in Table 9.

Table 9
Systematic Differences in Map Graticule
Resulting from Choice of Libration Model

Map scale	$\Delta\phi = 640\text{m}$	$\Delta\lambda = 1938\text{m}$
1: 50,000	12.80 mm	38.76 mm
1: 250,000	2.56 mm	7.75 mm
1:1,000,000	0.64 mm	1.94 mm
1:5,000,000	0.13 mm	0.39 mm

Though there is undoubted merit in consistency of reference system between map series, the change to the better system ought to be made sometime. Perhaps it could be done for the new 1:1,000,000 sheets in the Apollo data area for which production is just beginning. It should also be done for the 1:5,000,000 map, although this would mean recomputation of all other control outside the Apollo area.

(d) Of fundamental importance is the identification of the lunar surface features whose positions have been determined by this (and the DMA) solutions. The coordinates of these features are of no use to anyone without the feature identification. These identifications exist only as marked on the photographs employed for mensuration by DMA. A set of prints, films, microfilms - or any other acceptable means - on which the selected points can be clearly seen should be deposited in the National Space Science Data Center for use by future investigators.

(e) Many more surface points were measured by DMA than were used in the NOS/USGS triangulation solution. The positions of these points can be easily determined by intersection computations using the already available exposure station positions and camera attitudes. If it is elected to use the NOS/USGS control system for any future mapping, the positions of these additional points should be determined.

References

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APPENDIX A

LUNAR
TERRAIN POINT POSITIONS

APPENDIX A

LUNAR
TERRAIN POINT POSITIONS

The terrain point positions listed in this appendix are referred to the center of mass of the Moon as defined by the orbit of revolution 44 of Mission 15. The photogrammetric block was adjusted using an assumed position for terrain point 22051 as the only position constraint. Scale was controlled by altimeter observations and orientation by the stellar attitudes. After adjustment the entire block was translated, but not rotated, to best fit the orbit of revolution 44, thus minimizing the differences between these data and the DMA control net.

Terrain points are listed by map sheet (1:500,000), and an outline of each map sheet is provided showing the location and approximate precision of each point. Three precision categories are represented:

- [1] Standard deviation less than 30 meters,
- [2] Standard deviation less than 100 meters, and
- [3] Standard deviation greater than 100 meters.

The first two imply that the standard deviations in both horizontal position and elevation are less than the value specified. The third category implies that the standard deviation in either horizontal position or elevation, or both, is greater than 100 meters.

Each terrain point position is given in both Cartesian and spherical coordinates. Cartesian coordinates and their standard deviations are in meters. Latitudes and longitudes are given in degrees, minutes, and seconds and their standard deviations are

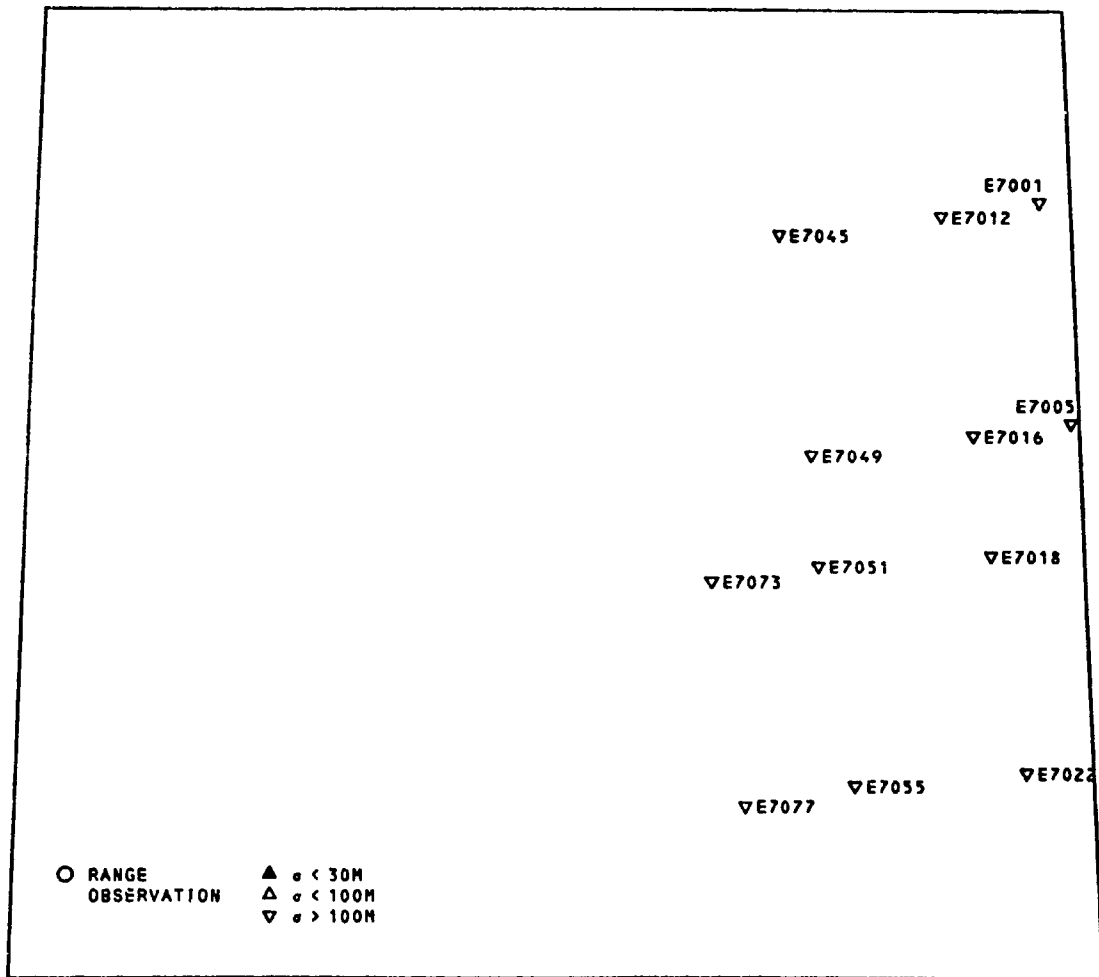
A-2

in seconds. Radial distances and their standard deviations are in meters. All terrain point numbers are those assigned by DMA with the following exceptions:

Mission	Point Numbers Assigned by DMA	Point Numbers This Report
15	338 through 424	9338 through 9424
15	1812	9812

These point numbers were duplicated on Mission 17 and had to be changed, therefore, to avoid ambiguity.

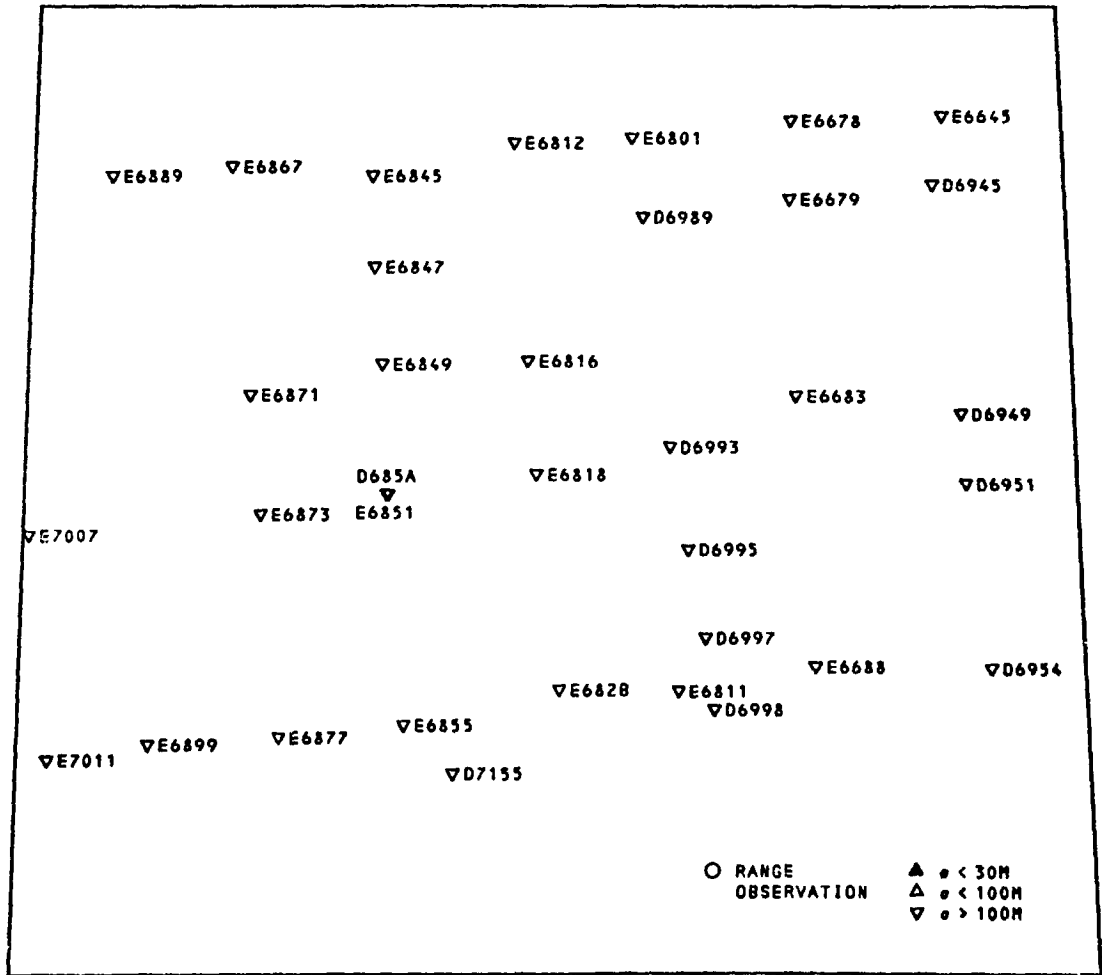
Terrain point 22051, which appears on map sheet 640, was used as a control point and, as such, has standard deviations of zero in all coordinates.



MAP SHEET 38A

TERRAIN POINTS ON MAP SHEET 38A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E7073	X = 687613 Y = -1380433 Z = 795179	233 145 65	LAT. = 27 16 34.0 LONG. = - 63 31 17.3 RAD. = 1735141.7	6.2 35.4 83.4
E7077	X = 705719 Y = -1399228 Z = 744714	221 152 108	LAT. = 25 25 3.2 LONG. = - 63 14 7.1 RAD. = 1735072.1	11.3 34.2 83.8
E7045	X = 685277 Y = -1334659 Z = 871200	231 127 22	LAT. = 30 8 34.6 LONG. = - 62 49 18.9 RAD. = 1734909.0	4.7 34.8 64.6
E7049	X = 703927 Y = -1355422 Z = 823105	220 133 39	LAT. = 28 19 16.6 LONG. = - 62 33 19.0 RAD. = 1734988.5	4.0 33.7 65.1
E7051	X = 711019 Y = -1366486 Z = 798618	216 137 54	LAT. = 27 24 15.9 LONG. = - 62 30 39.0 RAD. = 1735114.3	5.5 33.3 65.2
E7055	X = 729415 Y = -1384645 Z = 749446	205 144 87	LAT. = 25 35 18.6 LONG. = - 62 13 12.9 RAD. = 1735211.1	9.6 32.2 64.9
E7012	X = 720434 Y = -1313424 Z = 875382	211 119 22	LAT. = 30 18 .1 LONG. = - 61 15 16.3 RAD. = 1735050.3	4.7 31.9 62.9
E7016	X = 739003 Y = -1334015 Z = 827596	199 124 35	LAT. = 28 29 15.2 LONG. = - 61 0 53.6 RAD. = 1735118.5	3.5 30.8 60.3
E7001	X = 741253 Y = -1299684 Z = 878628	198 114 21	LAT. = 30 25 22.9 LONG. = - 60 18 8.8 RAD. = 1735114.3	4.6 30.1 59.9
E7005	X = 759905 Y = -1320423 Z = 830448	188 120 33	LAT. = 28 35 41.5 LONG. = - 60 4 46.3 RAD. = 1735113.0	3.2 29.2 60.5
E7018	X = 748876 Y = -1344675 Z = 801095	194 128 50	LAT. = 27 29 46.0 LONG. = - 60 53 8.5 RAD. = 1735142.3	4.9 30.3 60.3
E7022	X = 766871 Y = -1362412 Z = 752482	184 135 80	LAT. = 25 42 6.7 LONG. = - 60 37 33.0 RAD. = 1735075.2	8.7 29.4 60.0



MAP SHEET 38B

TERRAIN POINTS ON MAP SHEET 38B

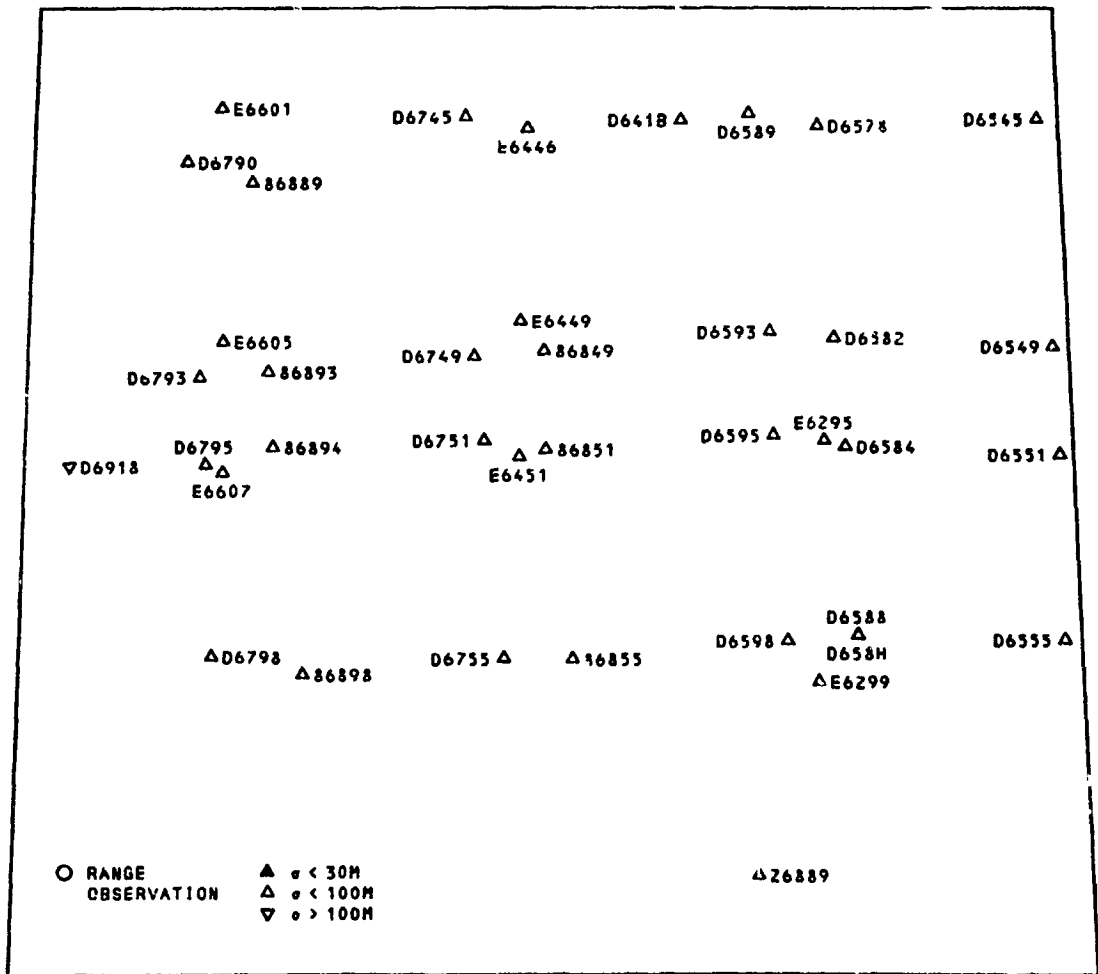
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E6889	X = 763625 Y = -1283441 Z = 883223	186 107 21	LAT. = 30 36 .8 LONG. = - 59 14 53.1 RAD. = 1735058.3	4.4 28.3 54.9
E7007	X = 769915 Y = -1330595 Z = 804476	183 123 48	LAT. = 27 37 24.5 LONG. = - 59 56 42.9 RAD. = 1735060.0	4.5 28.7 60.6
E7011	X = 788112 Y = -1349195 Z = 754282	173 130 79	LAT. = 25 46 5.9 LONG. = - 59 42 33.5 RAD. = 1735047.7	8.4 27.8 60.1
E6867	X = 788932 Y = -1266662 Z = 885199	172 100 21	LAT. = 30 40 34.0 LONG. = - 58 5 .8 RAD. = 1735057.3	4.0 26.4 50.1
E6890	X = 809174 Y = -1334796 Z = 757779	163 124 71	LAT. = 25 53 43.1 LONG. = - 58 46 30.4 RAD. = 1735128.7	7.6 26.3 55.1
E6871	X = 808760 Y = -1287750 Z = 835544	163 106 28	LAT. = 28 47 13.7 LONG. = - 57 52 10.1 RAD. = 1735087.2	2.7 25.6 50.6
E6873	X = 818815 Y = -1298123 Z = 809196	159 110 42	LAT. = 27 47 59.2 LONG. = - 57 45 27.2 RAD. = 1735044.9	3.8 25.2 53.6
E6877	X = 836943 Y = -1316730 Z = 759399	150 116 66	LAT. = 25 57 12.7 LONG. = - 57 33 32.6 RAD. = 1735206.0	7.0 24.4 51.0
E6845	X = 819645 Y = -1248382 Z = 883172	158 93 21	LAT. = 30 35 57.0 LONG. = - 56 42 44.8 RAD. = 1735012.3	3.7 24.2 47.8
E6847	X = 826446 Y = -1257651 Z = 863468	154 95 20	LAT. = 29 50 45.9 LONG. = - 56 41 22.9 RAD. = 1735014.8	2.7 24.0 45.7
E6849	X = 834881 Y = -1266511 Z = 842336	151 98 25	LAT. = 29 2 34.7 LONG. = - 56 36 26.0 RAD. = 1735109.9	2.4 23.7 47.7
D685A	X = 844827 Y = -1278516 Z = 813789	148 103 37	LAT. = 27 58 13.1 LONG. = - 56 32 37.7 RAD. = 1735104.7	3.4 23.4 52.3

TERRAIN POINTS ON MAP SHEET 38B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E6851	X = 844392	146	LAT. = 27 58 9.7	3.3
	Y = -1278800	102	LONG. = - 56 33 47.5	23.3
	Z = 813755	36	RAD. = 1735086.3	47.8
E6855	X = 862753	138	LAT. = 26 3 23.6	6.3
	Y = -1298299	109	LONG. = - 56 23 41.7	22.7
	Z = 762193	58	RAD. = 1735183.4	45.8
E6812	X = 847102	146	LAT. = 30 52 15.3	4.4
	Y = -1224944	89	LONG. = - 55 20 4.0	22.1
	Z = 890312	22	RAD. = 1735143.8	51.7
E6816	X = 865308	137	LAT. = 29 4 11.8	2.3
	Y = -1245430	92	LONG. = - 55 12 32.2	21.5
	Z = 843046	24	RAD. = 1735102.4	47.6
E6818	X = 874706	133	LAT. = 28 7 55.9	2.9
	Y = -1255467	94	LONG. = - 55 8 3.8	21.2
	Z = 818120	33	RAD. = 1735116.2	47.7
D7155	X = 876197	133	LAT. = 25 39 30.0	7.2
	Y = -1295624	108	LONG. = - 55 55 49.9	22.0
	Z = 751343	68	RAD. = 1735188.1	52.1
E6801	X = 870968	135	LAT. = 30 54 46.7	3.9
	Y = -1207351	80	LONG. = - 54 11 37.7	20.5
	Z = 891437	21	RAD. = 1735206.9	45.0
D6989	X = 878864	131	LAT. = 30 15 21.5	2.9
	Y = -1214140	81	LONG. = - 54 6 3.0	20.2
	Z = 874310	19	RAD. = 1735211.1	44.1
E6828	X = 893504	125	LAT. = 26 20 59.7	5.9
	Y = -1272974	101	LONG. = - 54 56 5.5	20.6
	Z = 770340	59	RAD. = 1735579.5	51.8
D6993	X = 900378	122	LAT. = 28 21 29.2	2.5
	Y = -1233165	86	LONG. = - 53 51 55.7	19.5
	Z = 824141	29	RAD. = 1735103.8	44.6
D6995	X = 911342	118	LAT. = 27 30 28.8	3.5
	Y = -1240881	89	LONG. = - 53 42 19.0	19.1
	Z = 801732	38	RAD. = 1735829.0	44.4
D6997	X = 920657	114	LAT. = 26 46 38.5	4.6
	Y = -1246807	91	LONG. = - 53 33 26.6	18.8
	Z = 782133	47	RAD. = 1736049.5	45.3

TERRAIN POINTS ON MAP SHEET 38B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E6811	X = 918407	115	LAT. = 26 20 12.0	5.4
	Y = -1255850	94	LONG. = - 53 49 18.8	19.1
	Z = 770182	53	RAD. = 1736033.6	45.1
D6998	X = 926924	111	LAT. = 26 11 1.5	5.5
	Y = -1252132	92	LONG. = - 53 29 17.9	18.6
	Z = 766028	53	RAD. = 1736036.4	44.4
E6678	X = 902111	122	LAT. = 31 3 23.7	4.3
	Y = -1181284	75	LONG. = - 52 37 55.6	18.3
	Z = 895088	22	RAD. = 1735055.9	47.4
E6679	X = 907523	119	LAT. = 30 24 29.0	3.2
	Y = -1189780	75	LONG. = - 52 39 53.5	18.2
	Z = 878208	19	RAD. = 1735057.2	45.9
E6683	X = 922810	113	LAT. = 28 46 48.6	2.2
	Y = -1209045	80	LONG. = - 52 38 49.6	17.9
	Z = 835479	26	RAD. = 1735336.3	46.2
E6688	X = 944869	104	LAT. = 26 32 21.3	4.9
	Y = -1232729	86	LONG. = - 52 31 49.2	17.3
	Z = 775721	50	RAD. = 1736128.3	45.8
E6645	X = 931679	110	LAT. = 31 5 54.9	4.0
	Y = -1157256	66	LONG. = - 51 9 47.8	16.3
	Z = 896174	21	RAD. = 1735048.6	44.5
D6945	X = 934950	108	LAT. = 30 31 47.8	3.1
	Y = -1165972	67	LONG. = - 51 16 30.6	16.3
	Z = 881399	19	RAD. = 1735075.1	43.4
D6949	X = 957046	100	LAT. = 28 38 4.9	2.1
	Y = -1185191	72	LONG. = - 51 4 44.5	15.8
	Z = 831758	26	RAD. = 1735637.1	43.6
D6951	X = 963010	97	LAT. = 28 3 15.9	2.5
	Y = -1191515	74	LONG. = - 51 3 14.6	15.6
	Z = 816459	31	RAD. = 1736001.4	43.6
D6954	X = 980221	91	LAT. = 26 31 29.4	4.6
	Y = -1205173	78	LONG. = - 50 52 37.2	15.2
	Z = 775373	47	RAD. = 1736225.3	44.2



MAP SHEET 39A

TERRAIN POINTS ON MAP SHEET 39A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6918	X = 991917 Y = -1164318 Z = 820180	87 67 29	LAT. = 28 12 4.2 LONG. = - 49 34 16.8 RAD. = 1735578.1	2.3 13.8 44.1
E6601	X = 989938 Y = -1106427 Z = 898012	88 55 21	LAT. = 31 10 6.3 LONG. = - 48 10 49.8 RAD. = 1735102.8	3.9 12.6 43.3
D6790	X = 988177 Y = -1117245 Z = 886442	88 57 19	LAT. = 30 43 24.1 LONG. = - 48 30 28.8 RAD. = 1735081.9	3.3 12.9 42.4
E6605	X = 1010737 Y = -1127442 Z = 847559	81 58 22	LAT. = 29 14 16.7 LONG. = - 48 7 27.1 RAD. = 1735243.7	2.1 12.3 43.7
D6793	X = 1009357 Y = -1134554 Z = 839746	81 60 22	LAT. = 28 56 31.2 LONG. = - 48 20 32.4 RAD. = 1735283.9	1.9 12.5 42.7
D6795	X = 1017894 Y = -1141320 Z = 820628	78 61 28	LAT. = 28 13 6.1 LONG. = - 48 16 17.8 RAD. = 1735555.0	2.2 12.3 42.7
E6607	X = 1021758 Y = -1139114 Z = 818909	77 61 29	LAT. = 28 9 13.8 LONG. = - 48 6 31.2 RAD. = 1735563.6	2.4 12.2 43.6
D6798	X = 1034731 Y = -1156567 Z = 778125	72 64 41	LAT. = 26 37 46.6 LONG. = - 48 10 56.5 RAD. = 1736028.6	3.8 12.1 41.4
86889	X = 1002406 Y = -1108077 Z = 881990	84 55 19	LAT. = 30 33 8.0 LONG. = - 47 51 59.0 RAD. = 1735095.9	3.2 12.2 42.8
86893	X = 1021799 Y = -1122401 Z = 840952	77 57 23	LAT. = 28 59 18.0 LONG. = - 47 41 10.4 RAD. = 1735240.0	2.0 11.8 43.1
86894	X = 1029121 Y = -1128265 Z = 824450	75 58 27	LAT. = 28 21 48.6 LONG. = - 47 37 52.4 RAD. = 1735450.8	2.2 11.7 43.1
86898	X = 1053288 Y = -1142634 Z = 774185	67 61 43	LAT. = 26 28 53.2 LONG. = - 47 19 47.7 RAD. = 1736200.1	4.0 11.2 42.8

TERRAIN POINTS ON MAP SHEET 39A (CONTINUED)

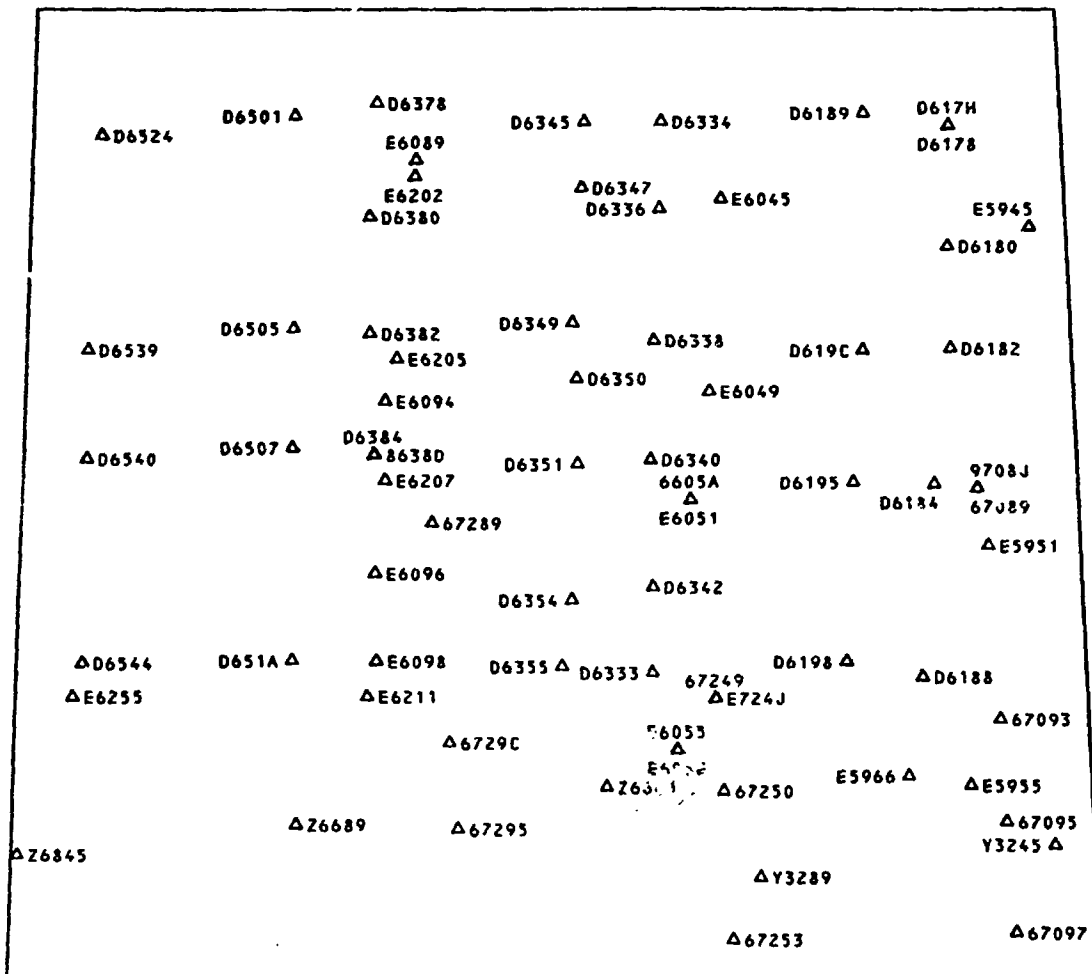
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6745	X = 1036023 Y = -1064958 Z = 896190	72 48 20	LAT. = 31 5 52.2 LONG. = - 45 47 20.6 RAD. = 1735118.0	3.6 10.1 41.5
E6446	X = 1048390 Y = -1055035 Z = 893828	68 45 18	LAT. = 31 0 13.8 LONG. = - 45 10 51.6 RAD. = 1735266.3	3.2 9.4 39.7
E6449	X = 1064189 Y = -1073808 Z = 852273	64 48 20	LAT. = 29 24 42.8 LONG. = - 45 15 28.0 RAD. = 1735491.4	2.1 9.4 41.6
86849	X = 1070924 Y = -1072245 Z = 845730	62 48 21	LAT. = 29 9 52.7 LONG. = - 45 2 7.1 RAD. = 1735467.3	2.0 9.2 41.8
D6749	X = 1058718 Y = -1084925 Z = 844428	65 50 22	LAT. = 29 7 11.7 LONG. = - 45 42 1.5 RAD. = 1735224.4	2.0 9.8 41.9
D6751	X = 1067820 Y = -1090872 Z = 826113	63 51 26	LAT. = 28 25 16.3 LONG. = - 45 36 42.6 RAD. = 1735714.1	2.1 9.7 41.8
86851	X = 1079590 Y = -1080578 Z = 824106	59 49 26	LAT. = 28 20 52.4 LONG. = - 45 1 34.3 RAD. = 1735601.6	2.1 9.1 41.8
E6451	X = 1075494 Y = -1085878 Z = 822587	61 50 26	LAT. = 28 17 24.6 LONG. = - 45 16 30.9 RAD. = 1735646.6	2.1 9.3 41.6
D6755	X = 1089079 Y = -1105651 Z = 777658	56 53 37	LAT. = 26 36 52.9 LONG. = - 45 25 57.5 RAD. = 1735888.4	3.4 9.3 39.8
86855	X = 1101476 Y = -1093391 Z = 777570	53 51 39	LAT. = 26 36 40.2 LONG. = - 44 47 20.1 RAD. = 1735905.6	3.5 8.7 41.6
D6589	X = 1085827 Y = -1013583 Z = 896917	57 41 19	LAT. = 31 7 29.1 LONG. = - 43 1 44.9 RAD. = 1735174.5	3.2 7.6 38.8
E641B	X = 1074670 Y = -1026625 Z = 895537	64 50 20	LAT. = 31 4 16.9 LONG. = - 43 41 24.7 RAD. = 1735183.3	4.1 8.3 48.3

TERRAIN POINTS ON MAP SHEET 39A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Z6889	X = 1150754 Y = -1076348 Z = 728618	49 38 20	LAT. = 24 48 59.6 LONG. = - 43 5 11.4 RAD. = 1735985.0	3.4 5.0 45.0
D6578	X = 1098847 Y = -1001785 Z = 894382	53 39 18	LAT. = 31 1 34.6 LONG. = - 42 21 16.1 RAD. = 1735210.6	2.9 7.1 37.0
D6593	X = 1108937 Y = -1029382 Z = 849885	52 42 20	LAT. = 29 19 22.1 LONG. = - 42 52 9.6 RAD. = 1735417.0	2.0 7.4 39.9
D6582	X = 1120550 Y = -1017887 Z = 848502	48 40 19	LAT. = 29 16 13.5 LONG. = - 42 15 5.1 RAD. = 1735420.1	1.9 6.9 38.5
D6595	X = 1118505 Y = -1037683 Z = 827133	49 43 24	LAT. = 28 27 47.5 LONG. = - 42 51 12.0 RAD. = 1735508.1	2.0 7.3 39.9
E6295	X = 1127709 Y = -1028645 Z = 826027	47 42 23	LAT. = 28 25 14.8 LONG. = - 42 22 10.8 RAD. = 1735557.1	2.0 7.0 39.6
D6584	X = 1131737 Y = -1025284 Z = 824736	46 41 23	LAT. = 28 22 19.2 LONG. = - 42 10 28.7 RAD. = 1735577.0	1.9 6.8 38.4
D6588	X = 1149483 Y = -1039080 Z = 783089	42 42 32	LAT. = 26 48 39.5 LONG. = - 42 6 43.7 RAD. = 1736152.9	2.8 6.6 38.0
D658H	X = 1149495 Y = -1039094 Z = 783065	45 43 42	LAT. = 26 48 36.0 LONG. = - 42 6 44.0 RAD. = 1736158.1	3.6 6.8 46.1
D6598	X = 1138044 Y = -1052541 Z = 781700	45 44 35	LAT. = 26 45 37.8 LONG. = - 42 45 53.2 RAD. = 1736100.0	3.1 7.2 39.7
E6299	X = 1146620 Y = -1050207 Z = 772600	43 44 36	LAT. = 26 25 19.5 LONG. = - 42 29 13.4 RAD. = 1736255.7	3.3 6.9 39.3
D6545	X = 1134918 Y = -959353 Z = 895901	46 37 18	LAT. = 31 5 3.8 LONG. = - 40 12 28.9 RAD. = 1735233.7	3.0 5.9 37.1

TERRAIN POINTS ON MAP SHEET 39A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6549	X = 1157896	41	LAT. = 29 12 10.5	1.9
	Y = -976662	37	LONG. = - 40 8 49.1	5.7
	Z = 846689	19	RAD. = 1735359.9	37.4
D6551	X = 1168455	39	LAT. = 28 18 19.0	1.9
	Y = -984795	38	LONG. = - 40 7 29.2	5.7
	Z = 822982	23	RAD. = 1735628.7	37.4
D6555	X = 1184526	36	LAT. = 26 46 9.5	2.8
	Y = -999453	38	LONG. = 40 9 22.5	5.6
	Z = 781839	31	RAD. = 1735880.7	37.3



○ RANGE
 OBSERVATION

▲ ● < 30M
 ▲ ● < 100M
 ▼ ● > 100M

MAP SHEET 39B

TERRAIN POINTS ON MAP SHEET 39B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6524	X = 1150860 Y = -943265 Z = 892703	40 35 17	LAT. = 30 57 37.9 LONG. = - 39 20 19.1 RAD. = 1735265.6	2.6 5.4 34.0
D6539	X = 1170424 Y = -961952 Z = 846384	37 35 17	LAT. = 29 11 26.4 LONG. = - 39 24 58.3 RAD. = 1735399.3	1.7 5.3 34.2
D6540	X = 1180858 Y = -970073 Z = 822591	35 36 20	LAT. = 28 17 31.5 LONG. = - 39 24 11.0 RAD. = 1735546.7	1.7 5.2 35.0
D6544	X = 1199506 Y = -984814 Z = 777361	33 37 29	LAT. = 26 36 19.3 LONG. = - 39 23 11.6 RAD. = 1735789.0	2.6 5.2 35.5
E6255	X = 1201016 Y = -988927 Z = 769812	33 38 31	LAT. = 26 19 36.2 LONG. = - 39 28 6.1 RAD. = 1735807.4	2.8 5.3 36.3
Z6845	X = 1206005 Y = -1009898 Z = 734194	32 36 18	LAT. = 25 1 14.3 LONG. = - 39 56 33.0 RAD. = 1735909.6	2.4 4.1 35.4
D6501	X = 1179039 Y = -903599 Z = 896876	37 35 18	LAT. = 31 7 19.7 LONG. = - 37 27 57.7 RAD. = 1735226.5	2.7 4.8 34.5
D6505	X = 1200698 Y = -919714 Z = 851114	34 35 18	LAT. = 29 22 4.4 LONG. = - 37 27 5.4 RAD. = 1735495.3	1.9 4.7 34.6
D6507	X = 1212306 Y = -928468 Z = 824987	32 35 21	LAT. = 28 22 51.0 LONG. = - 37 26 50.7 RAD. = 1735609.7	1.9 4.7 34.7
D651A	X = 1232219 Y = -943077 Z = 777808	30 35 27	LAT. = 26 37 22.5 LONG. = - 37 25 42.9 RAD. = 1735725.5	2.5 4.6 34.7
Z6689	X = 1247406 Y = -952888 Z = 740745	31 35 17	LAT. = 25 15 44.9 LONG. = - 37 22 33.8 RAD. = 1735718.7	2.3 4.0 33.6
D6378	X = 1190276 Y = -886121 Z = 899543	34 34 17	LAT. = 31 13 27.4 LONG. = - 36 39 59.3 RAD. = 1735265.2	2.5 4.6 32.6

TERRAIN POINTS ON MAP SHEET 39B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E6089	X = 1202184 Y = -882423 Z = 887366	34 34 17	LAT. = 30 45 15.1 LONG. = - 36 16 45.4 RAD. = 1735319.6	2.5 4.5 33.0
E6202	X = 1203754 Y = -883938 Z = 883786	34 35 17	LAT. = 30 36 58.0 LONG. = - 36 17 25.8 RAD. = 1735351.9	2.5 4.6 33.8
D6380	X = 1201161 Y = -896080 Z = 875151	33 34 16	LAT. = 30 17 3.6 LONG. = - 36 43 24.1 RAD. = 1735406.5	2.1 4.5 32.7
D6382	X = 1213028 Y = -904575 Z = 849974	31 33 17	LAT. = 29 19 25.1 LONG. = - 36 42 45.0 RAD. = 1735554.4	1.8 4.5 32.2
E6205	X = 1219590 Y = -900929 Z = 844475	32 34 18	LAT. = 29 6 55.0 LONG. = - 36 27 13.8 RAD. = 1735571.9	1.9 4.5 33.9
E6094	X = 1222062 Y = -906474 Z = 835225	32 34 19	LAT. = 28 45 49.1 LONG. = - 36 33 59.2 RAD. = 1735721.9	1.9 4.5 33.9
D6384	X = 1225486 Y = -912468 Z = 823442	30 33 18	LAT. = 28 19 19.9 LONG. = - 36 40 13.8 RAD. = 1735647.4	1.7 4.5 32.4
86380	X = 1225517 Y = -912473 Z = 823426	30 34 20	LAT. = 28 19 16.8 LONG. = - 36 40 11.9 RAD. = 1735664.0	1.9 4.5 33.8
E6207	X = 1229573 Y = -912105 Z = 817761	31 34 20	LAT. = 28 6 32.8 LONG. = - 36 34 5.7 RAD. = 1735661.1	1.9 4.5 34.0
67289	X = 1240742 Y = -905320 Z = 808525	28 33 16	LAT. = 27 45 25.2 LONG. = - 36 7 .3 RAD. = 1735637.0	1.7 4.2 30.4
E6096	X = 1237000 Y = -920348 Z = 797205	28 33 19	LAT. = 27 20 29.2 LONG. = - 36 38 59.5 RAD. = 1735726.1	1.8 4.4 31.5
E6098	X = 1245326 Y = -926057 Z = 777667	28 34 24	LAT. = 26 36 56.2 LONG. = - 36 38 7.6 RAD. = 1735852.5	2.2 4.4 32.8

TERRAIN POINTS ON MAP SHEET 39B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E6211	X = 1247064 Y = -930214 Z = 769688	29 34 26	LAT. = 26 19 22.2 LONG. = - 36 43 12.4 RAD. = 1735766.3	2.4 4.5 34.0
6729C	X = 1263609 Y = -916372 Z = 759294	38 34 20	LAT. = 25 56 24.9 LONG. = - 35 56 59.0 RAD. = 1735791.9	2.0 4.4 41.0
67295	X = 1272432 Y = -920197 Z = 739838	28 33 16	LAT. = 25 13 37.9 LONG. = - 35 52 25.2 RAD. = 1735858.7	1.7 4.0 31.4
D6345	X = 1222854 Y = -844952 Z = 895533	30 34 17	LAT. = 31 4 7.4 LONG. = - 34 38 35.5 RAD. = 1735307.8	2.3 4.2 31.6
D6347	X = 1229687 Y = -850665 Z = 881682	30 33 16	LAT. = 30 31 33.6 LONG. = - 34 40 28.1 RAD. = 1735834.9	2.2 4.2 31.6
D6349	X = 1242168 Y = -862374 Z = 852414	29 33 16	LAT. = 29 24 36.0 LONG. = - 34 46 13.0 RAD. = 1735879.5	1.8 4.2 31.6
D6350	X = 1248121 Y = -865340 Z = 840150	28 33 17	LAT. = 28 57 2.2 LONG. = - 34 44 2.8 RAD. = 1735647.4	1.7 4.1 31.2
D6340	X = 1266589 Y = -855652 Z = 822363	27 32 17	LAT. = 28 16 50.6 LONG. = - 34 2 28.4 RAD. = 1735704.3	1.7 4.0 30.7
D6351	X = 1256527 Y = -871263 Z = 821426	27 33 18	LAT. = 28 14 43.6 LONG. = - 34 44 13.3 RAD. = 1735713.0	1.7 4.1 31.6
D6342	X = 1279138 Y = -863938 Z = 794251	26 32 19	LAT. = 27 13 42.3 LONG. = - 34 2 7.2 RAD. = 1735919.2	1.7 4.0 30.5
D6354	X = 1268714 Y = -881689 Z = 791301	27 33 21	LAT. = 27 7 12.7 LONG. = - 34 47 50.1 RAD. = 1735847.5	1.9 4.1 31.9
D6355	X = 1273407 Y = -888062 Z = 776470	26 33 22	LAT. = 26 34 18.2 LONG. = - 34 53 29.6 RAD. = 1735835.0	2.0 4.1 31.9

TERRAIN POINTS ON MAP SHEET 39B (CONTINUED)

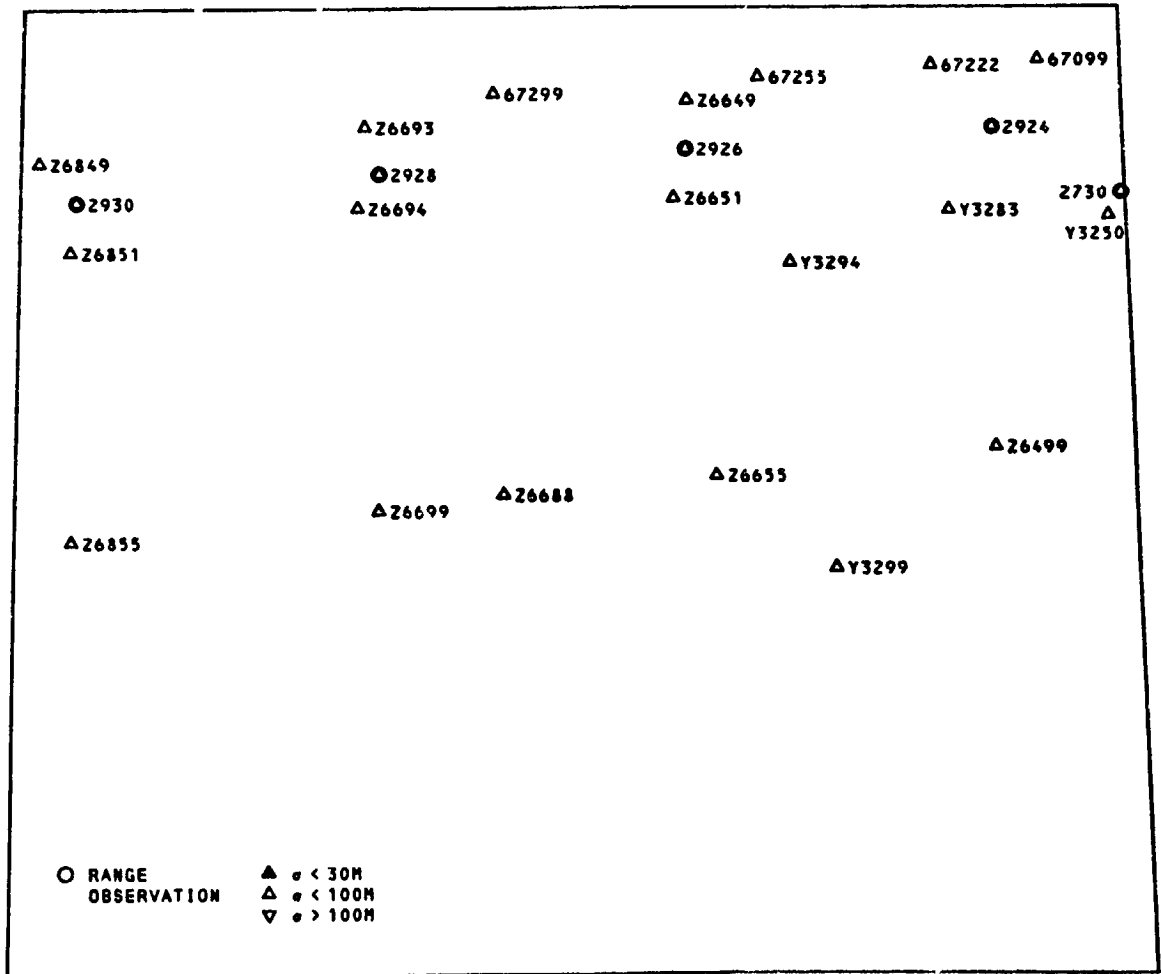
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6333	X = 1286842 Y = -869650 Z = 775051	26 32 20	LAT. = 26 31 12.6 LONG. = - 34 3 3.3 RAD. = 1735787.7	1.9 4.0 30.6
Z6645	X = 1290552 Y = -886599 Z = 749327	29 33 17	LAT. = 25 34 28.3 LONG. = - 34 29 19.5 RAD. = 1735820.1	2.2 3.9 31.9
D6334	X = 1233780 Y = -828819 Z = 895590	30 33 16	LAT. = 31 4 16.5 LONG. = - 33 53 31.5 RAD. = 1735291.1	2.3 4.2 31.1
E6045	X = 1250192 Y = -822091 Z = 879030	30 34 17	LAT. = 30 26 .5 LONG. = - 33 19 40.0 RAD. = 1735369.6	2.4 4.2 32.2
D6336	X = 1242731 Y = -835673 Z = 876890	34 33 16	LAT. = 30 21 2.5 LONG. = - 33 55 7.8 RAD. = 1735415.2	2.4 4.2 34.4
D6338	X = 1255277 Y = -846424 Z = 848425	28 32 16	LAT. = 29 15 57.3 LONG. = - 33 59 29.4 RAD. = 1735505.9	1.7 4.1 30.7
E6049	X = 1268003 Y = -838497 Z = 837285	27 32 17	LAT. = 28 50 43.0 LONG. = - 33 28 32.2 RAD. = 1735498.4	1.7 4.1 31.0
6605A	X = 1275978 Y = -850009 Z = 813577	29 33 17	LAT. = 27 57 9.2 LONG. = - 33 40 12.3 RAD. = 1735667.8	2.2 4.0 31.5
E6051	X = 1276016 Y = -850003 Z = 813535	27 32 17	LAT. = 27 57 3.1 LONG. = - 33 40 8.8 RAD. = 1735673.2	1.7 4.0 31.2
67249	X = 1298000 Y = -858095 Z = 769285	25 32 16	LAT. = 26 18 27.9 LONG. = - 33 28 5.8 RAD. = 1735779.4	1.6 3.9 29.7
E724J	X = 1297968 Y = -858105 Z = 769253	34 33 34	LAT. = 26 18 25.7 LONG. = - 33 28 9.3 RAD. = 1735746.2	2.8 4.4 41.7
E6055	X = 1297358 Y = -869323 Z = 757685	26 33 18	LAT. = 25 52 52.8 LONG. = - 33 49 29.7 RAD. = 1735783.9	1.7 3.9 30.9

TERRAIN POINTS ON MAP SHEET 39R (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E605E	X = 1297352 Y = -869334 Z = 757680	26 33 25	LAT. = 25 52 52.2 LONG. = - 33 49 31.4 RAD. = 1735783.8	2.3 4.1 32.4
67250	X = 1307455 Y = -862330 Z = 748391	24 32 15	LAT. = 25 32 23.9 LONG. = - 33 24 24.4 RAD. = 1735839.9	1.6 3.8 28.4
Y3289	X = 1320041 Y = -859972 Z = 728848	42 33 18	LAT. = 24 49 35.5 LONG. = - 33 4 59.5 RAD. = 1735879.8	2.9 4.2 39.1
67253	X = 1321491 Y = -869586 Z = 714704	24 32 15	LAT. = 24 18 46.9 LONG. = - 33 20 46.5 RAD. = 1735891.8	1.5 3.8 28.6
D6195	X = 1296582 Y = -814306 Z = 817231	25 31 15	LAT. = 28 5 29.4 LONG. = - 32 7 49.8 RAD. = 1735536.2	1.6 3.9 28.5
D6198	X = 1312624 Y = -827801 Z = 777371	24 31 16	LAT. = 26 36 27.9 LONG. = - 32 14 14.7 RAD. = 1735668.3	1.6 3.8 28.6
D6189	X = 1260515 Y = -785430 Z = 897467	28 33 16	LAT. = 31 8 36.9 LONG. = - 31 55 37.7 RAD. = 1735294.1	2.3 4.0 30.5
D617H	X = 1273170 Y = -767855 Z = 894796	42 36 18	LAT. = 31 2 26.6 LONG. = - 31 5 39.7 RAD. = 1735287.7	3.4 4.2 4.1
D6178	X = 1273201 Y = -767862 Z = 894768	29 33 17	LAT. = 31 2 21.9 LONG. = - 31 5 38.4 RAD. = 1735298.6	2.3 4.1 31.3
D6180	X = 1285593 Y = -776989 Z = 868835	27 31 15	LAT. = 30 2 41.4 LONG. = - 31 8 52.8 RAD. = 1735320.0	1.8 3.9 29.4
D6182	X = 1296373 Y = -783698 Z = 846650	25 31 15	LAT. = 29 12 3.1 LONG. = - 31 9 15.4 RAD. = 1735391.0	1.7 3.9 28.9
D619C	X = 1284941 Y = -802845 Z = 846162	28 33 17	LAT. = 29 10 55.9 LONG. = - 31 59 51.3 RAD. = 1735403.1	1.9 4.0 31.6

TERRAIN POINTS ON MAP SHEET 39B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6184	X = 1307683 Y = -796872 Z = 816788	26 32 17	LAT. = 28 4 28.0 LONG. = - 31 21 25.8 RAD. = 1735564.3	1.7 3.9 30.4
D6188	X = 1324276 Y = -812438 Z = 773963	24 31 18	LAT. = 26 28 51.1 LONG. = - 31 31 44.2 RAD. = 1735736.4	1.7 3.8 29.0
E5966	X = 1331302 Y = -821880 Z = 751691	23 31 15	LAT. = 25 39 42.8 LONG. = - 31 41 20.9 RAD. = 1735768.1	1.5 3.7 27.6
E5955	X = 1340424 Y = -809029 Z = 749585	25 31 21	LAT. = 25 35 1.1 LONG. = - 31 6 48.9 RAD. = 1735840.5	2.0 3.8 30.6
E5945	X = 1294153 Y = -757906 Z = 872996	28 32 16	LAT. = 30 12 12.3 LONG. = - 30 21 17.5 RAD. = 1735331.3	2.1 3.9 30.2
9708J	X = 1313673 Y = -787835 Z = 815977	38 33 21	LAT. = 28 2 37.7 LONG. = - 30 57 6.9 RAD. = 1735579.8	2.0 4.2 41.6
67089	X = 1313686 Y = -787819 Z = 815941	28 32 16	LAT. = 28 2 33.8 LONG. = - 30 57 4.2 RAD. = 1735565.8	2.1 3.9 30.8
E5951	X = 1320678 Y = -789278 Z = 803201	24 31 15	LAT. = 27 34 .4 LONG. = - 30 51 49.9 RAD. = 1735592.6	1.6 3.8 28.1
67093	X = 1338287 Y = -798345 Z = 764526	24 31 15	LAT. = 26 7 58.6 LONG. = - 30 49 4.4 RAD. = 1735760.8	1.5 3.7 28.0
67095	X = 1348143 Y = -803665 Z = 741445	25 31 17	LAT. = 25 17 10.6 LONG. = - 30 48 1.2 RAD. = 1735830.6	1.6 3.8 29.8
Y3245	X = 1356238 Y = -794738 Z = 736206	28 32 16	LAT. = 25 5 42.4 LONG. = - 30 22 7.8 RAD. = 1735835.3	2.1 3.8 30.6
67097	X = 1358927 Y = -808470 Z = 716296	23 31 15	LAT. = 24 22 13.5 LONG. = - 30 44 59.3 RAD. = 1735910.6	1.5 3.7 27.8



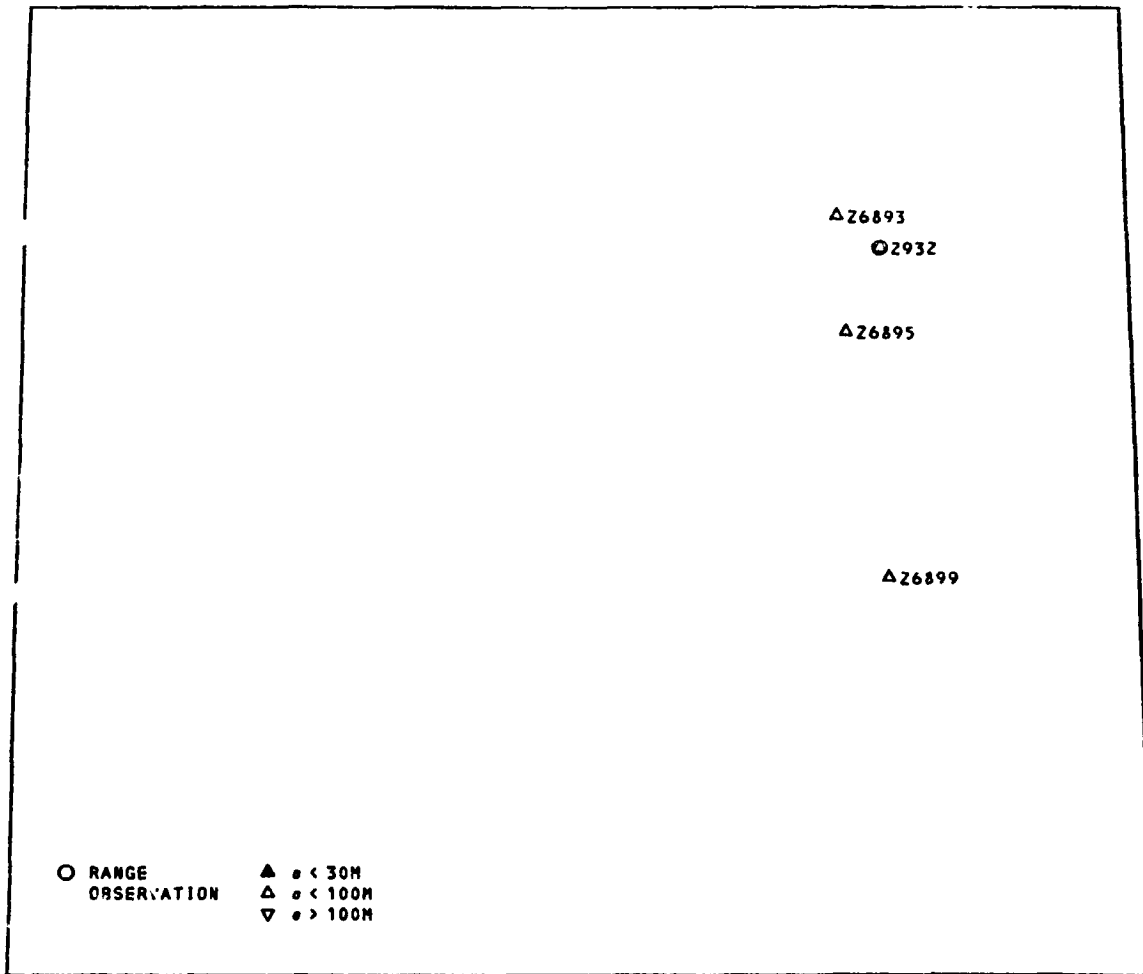
MAP SHEET 39C

TERRAIN POINTS ON MAP SHEET 39C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
26849	X = 1229298 Y = -1025795 Z = 670625	30 36 18	LAT. = 22 43 36.8 LONG. = - 39 50 36.7 RAD. = 1735847.7	1.9 4.0 35.3
2930	X = 1238413 Y = -1020750 Z = 661472	26 35 18	LAT. = 22 23 59.3 LONG. = - 39 29 48.2 RAD. = 1735840.9	1.9 4.0 31.8
26851	X = 1241215 Y = -1024726 Z = 649979	29 36 19	LAT. = 21 59 24.2 LONG. = - 39 32 33.0 RAD. = 1735842.8	1.9 4.0 35.3
26855	X = 1262023 Y = -1040092 Z = 581984	28 35 25	LAT. = 19 35 20.6 LONG. = - 39 29 36.7 RAD. = 1735857.0	2.5 3.9 35.1
26693	X = 1277980 Y = -958783 Z = 678708	28 34 18	LAT. = 23 0 59.5 LONG. = - 36 52 42.5 RAD. = 1735840.5	1.8 3.9 33.5
2928	X = 1283853 Y = -958508 Z = 667860	25 34 17	LAT. = 22 37 42.3 LONG. = - 36 44 40.4 RAD. = 1735814.5	1.8 3.9 30.1
26694	X = 1283180 Y = -964905 Z = 659922	28 34 18	LAT. = 22 20 40.8 LONG. = - 36 56 30.6 RAD. = 1735825.5	1.8 3.9 33.5
26699	X = 1308510 Y = -976980 Z = 589164	26 34 24	LAT. = 19 50 19.5 LONG. = - 36 44 46.8 RAD. = 1736030.2	2.4 3.8 33.3
67299	X = 1294724 Y = -930457 Z = 686360	26 33 18	LAT. = 23 17 28.4 LONG. = - 35 42 10.9 RAD. = 1735842.9	1.8 3.9 31.4
26688	X = 1326109 Y = -950453 Z = 592989	30 35 35	LAT. = 19 58 25.9 LONG. = - 35 37 48.1 RAD. = 1735960.9	3.3 3.9 40.6
26651	X = 1329136 Y = -899110 Z = 662188	26 33 18	LAT. = 22 25 26.4 LONG. = - 34 4 36.7 RAD. = 1735942.3	1.8 3.8 31.8
67255	X = 1331532 Y = -874299 Z = 690085	24 32 16	LAT. = 23 25 24.0 LONG. = - 33 17 21.7 RAD. = 1735979.4	1.6 3.7 28.7

TERRAIN POINTS ON MAP SHEET 39C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
26649	X = 1323318 Y = -890671 Z = 684743	27 33 17	LAT. = 23 13 56.5 LONG. = - 33 56 34.3 RAD. = 1735897.0	1.7 3.8 31.8
2926	X = 1326973 Y = -893756 Z = 673510	23 33 16	LAT. = 22 49 47.0 LONG. = - 33 57 41.3 RAD. = 1735878.1	1.7 3.8 28.7
Y3294	X = 1350459 Y = -878057 Z = 647192	28 32 19	LAT. = 21 53 21.3 LONG. = - 33 1 53.6 RAD. = 1735967.1	1.7 3.8 32.8
Z6655	X = 1355754 Y = -905048 Z = 597436	25 33 23	LAT. = 20 7 41.4 LONG. = - 33 43 31.9 RAD. = 1736119.7	2.3 3.7 31.8
Y3299	X = 1378711 Y = -884344 Z = 575426	31 33 37	LAT. = 19 21 47.2 LONG. = - 32 40 38.1 RAD. = 1736094.9	3.6 3.9 39.1
67222	X = 1354032 Y = -836791 Z = 692772	24 31 15	LAT. = 23 31 12.5 LONG. = - 31 42 57.8 RAD. = 1735959.4	1.7 3.7 28.4
2924	X = 1367150 Y = -827091 Z = 678526	23 32 16	LAT. = 23 0 29.7 LONG. = - 31 10 22.3 RAD. = 1735965.0	1.7 3.7 27.8
Y3283	X = 1367984 Y = -841157 Z = 659411	25 32 17	LAT. = 22 19 25.9 LONG. = - 31 35 12.7 RAD. = 1736015.1	1.6 3.7 30.0
Z6499	X = 1392045 Y = -844116 Z = 604078	24 32 23	LAT. = 20 21 28.3 LONG. = - 31 13 55.3 RAD. = 1736442.5	2.2 3.7 30.9
67099	X = 1367592 Y = -813328 Z = 694057	24 31 20	LAT. = 23 33 9.5 LONG. = - 30 44 26.1 RAD. = 1735950.9	1.9 3.7 30.0
2730	X = 1383837 Y = -802934 Z = 663368	23 32 16	LAT. = 22 27 56.2 LONG. = - 30 2 1.2 RAD. = 1735981.1	1.7 3.7 27.5
Y3250	X = 1389089 Y = -807008 Z = 658047	24 31 17	LAT. = 22 16 29.3 LONG. = - 30 9 17.8 RAD. = 1736046.0	1.6 3.5 29.7

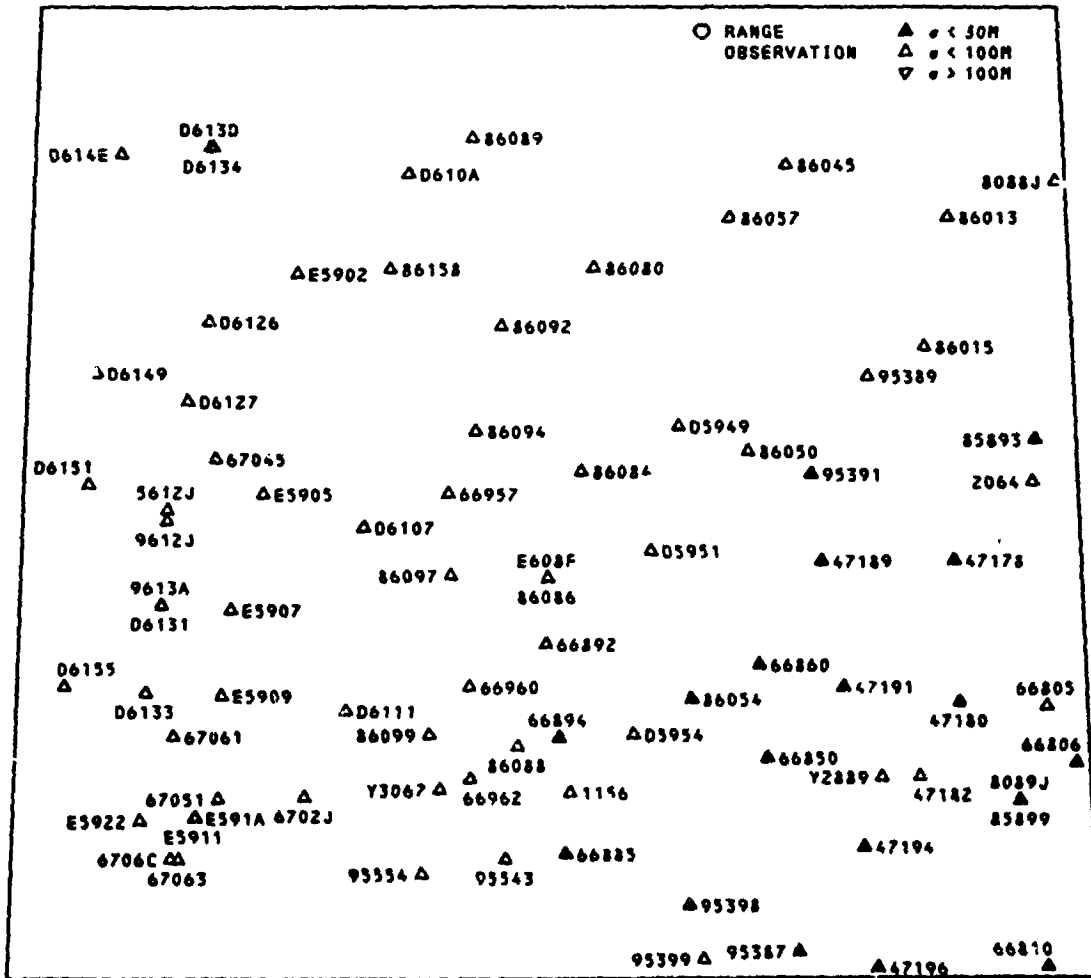


MAP SHEET 39D

TERRAIN POINTS ON MAP SHEET 39D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Z6893	X = 1182010 Y = -1087793 Z = 657940	42 37 22	LAT. = 22 16 22.9 LONG. = - 42 37 23.1 RAD. = 1735893.4	2.1 4.6 44.9
Z932	X = 1191413 Y = -1081853 Z = 650655	28 37 19	LAT. = 22 0 49.9 LONG. = - 42 14 26.8 RAD. = 1735863.3	2.1 4.1 33.8
Z6895	X = 1191264 Y = -1093675 Z = 631057	40 37 27	LAT. = 21 19 .8 LONG. = - 42 33 15.8 RAD. = 1735934.0	2.3 4.6 44.8
Z6899	X = 1213461 Y = -1100927 Z = 573318	36 37 39	LAT. = 19 17 8.4 LONG. = - 42 12 58.6 RAD. = 1735863.6	3.7 4.4 44.6

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MAP SHEET 40A

TERRAIN POINTS ON MAP SHEET 40A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D614E	X = 1301698 Y = -726610 Z = 888231	45 33 18	LAT. = 30 47 14.8 LONG. = - 29 10 13.2 RAD. = 1735319.5	5.3 4.3 41.3
D6149	X = 1323340 Y = -743907 Z = 840875	27 32 17	LAT. = 28 58 55.5 LONG. = - 29 20 32.1 RAD. = 1735424.1	1.8 3.9 31.2
D6151	X = 1334442 Y = -751402 Z = 816430	25 31 16	LAT. = 28 3 44.9 LONG. = - 29 22 59.3 RAD. = 1735482.0	1.7 3.8 28.7
D6155	X = 1352377 Y = -766906 Z = 771774	24 31 16	LAT. = 26 24 1.9 LONG. = - 29 33 24.2 RAD. = 1735714.3	1.5 3.7 28.2
D613D	X = 1311819 Y = -706518 Z = 889743	42 35 18	LAT. = 30 50 37.0 LONG. = - 28 18 21.5 RAD. = 1735419.5	3.4 4.1 41.1
D6134	X = 1312230 Y = -705849 Z = 889686	29 32 16	LAT. = 30 50 28.4 LONG. = - 28 16 32.9 RAD. = 1735428.4	2.2 4.0 30.9
D6126	X = 1331382 Y = -716200 Z = 852006	26 31 15	LAT. = 29 24 16.0 LONG. = - 28 16 38.9 RAD. = 1735348.5	1.8 3.8 29.4
D6127	X = 1337648 Y = -725084 Z = 834650	24 30 15	LAT. = 28 44 50.7 LONG. = - 28 27 37.0 RAD. = 1735421.8	1.6 3.8 28.4
67045	X = 1347272 Y = -721799 Z = 822082	28 32 16	LAT. = 28 16 25.9 LONG. = - 28 10 48.4 RAD. = 1735498.4	2.2 3.9 30.3
5612J	X = 1346825 Y = -735299 Z = 810862	28 32 16	LAT. = 27 51 12.0 LONG. = - 28 37 56.4 RAD. = 1735540.4	2.1 3.9 30.2
9612J	X = 1347854 Y = -736067 Z = 808421	41 32 20	LAT. = 27 45 45.1 LONG. = - 28 38 20.8 RAD. = 1735525.7	2.0 4.3 42.0
9613A	X = 1356044 Y = -741364 Z = 789797	39 32 24	LAT. = 27 4 7.9 LONG. = - 28 39 57.2 RAD. = 1735584.5	1.9 4.3 42.0

TERRAIN POINTS ON MAP SHEET 40A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6131	X = 1356067 Y = -741346 Z = 789791	23 30 15	LAT. = 27 4 6.6 LONG. = - 28 39 53.7 RAD. = 1735592.7	1.5 3.7 27.5
E5907	X = 1364984 Y = -725876 Z = 788766	24 30 16	LAT. = 27 1 50.8 LONG. = - 28 0 11.9 RAD. = 1735577.0	1.5 3.7 28.3
D6133	X = 1363113 Y = -749058 Z = 770289	24 31 20	LAT. = 26 20 48.3 LONG. = - 28 47 22.8 RAD. = 1735657.9	1.8 3.7 29.7
E5909	X = 1377579 Y = -732178 Z = 769652	23 30 16	LAT. = 26 19 25.2 LONG. = - 28 4 36.9 RAD. = 1735633.4	1.5 3.7 27.7
67061	X = 1370799 Y = -745066 Z = 760588	23 30 15	LAT. = 25 59 20.4 LONG. = - 28 31 30.9 RAD. = 1735715.2	1.5 3.7 27.6
67051	X = 1382348 Y = -737834 Z = 746540	25 31 18	LAT. = 25 28 28.9 LONG. = - 28 5 28.6 RAD. = 1735686.3	1.7 3.8 30.5
E591A	X = 1381342 Y = -744033 Z = 742297	25 31 24	LAT. = 25 19 9.3 LONG. = - 28 18 29.7 RAD. = 1735711.9	2.2 3.8 31.5
E5911	X = 1381361 Y = -744051 Z = 742289	24 31 18	LAT. = 25 19 7.1 LONG. = - 28 18 30.6 RAD. = 1735730.8	1.6 3.7 29.3
E5922	X = 1375036 Y = -756466 Z = 741553	25 32 23	LAT. = 25 17 28.7 LONG. = - 28 49 1.4 RAD. = 1735761.1	2.1 3.8 31.7
6706C	X = 1382344 Y = -751400 Z = 733073	27 32 16	LAT. = 24 58 55.5 LONG. = - 28 31 37.8 RAD. = 1735762.7	1.9 3.7 30.4
67063	X = 1385376 Y = -749652 Z = 732894	24 31 15	LAT. = 24 58 32.5 LONG. = - 28 27 11.8 RAD. = 1735754.1	1.5 3.6 28.0
E5902	X = 1336602 Y = -693699 Z = 862395	29 32 17	LAT. = 29 47 55.9 LONG. = - 27 25 45.8 RAD. = 1735352.6	2.2 4.0 31.2

TERRAIN POINTS ON MAP SHEET 40A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E5905	X = 1356619 Y = -712891 Z = 814533	27 32 17	LAT. = 27 59 4.9 LONG. = - 27 43 17.5 RAD. = 1735444.4	1.8 3.9 31.3
6702J	X = 1392329 Y = -718298 Z = 746977	27 32 16	LAT. = 25 29 28.0 LONG. = - 27 17 20.7 RAD. = 1735657.3	2.1 3.7 30.1
D610A	X = 1337998 Y = -663147 Z = 883913	29 32 16	LAT. = 30 37 18.4 LONG. = - 26 21 51.2 RAD. = 1735311.0	2.3 3.9 30.7
86158	X = 1346780 Y = -672562 Z = 863473	30 32 16	LAT. = 29 50 17.8 LONG. = - 26 32 12.7 RAD. = 1735437.5	2.1 3.9 32.6
D6107	X = 1371803 Y = -591921 Z = 806968	25 30 16	LAT. = 27 42 34.4 LONG. = - 26 45 57.0 RAD. = 1735452.3	1.6 3.7 28.5
D6111	X = 1388592 Y = -704922 Z = 766231	23 30 16	LAT. = 26 11 55.4 LONG. = - 26 54 53.0 RAD. = 1735572.2	1.5 3.6 27.8
86099	X = 1400188 Y = -637368 Z = 760935	23 30 17	LAT. = 26 0 17.7 LONG. = - 26 8 49.0 RAD. = 1735517.9	1.6 3.5 27.8
Y3067	X = 1406827 Y = -687396 Z = 748580	26 30 15	LAT. = 25 33 6.6 LONG. = - 26 2 26.8 RAD. = 1735525.0	1.8 3.6 28.8
95554	X = 1412872 Y = -695575 Z = 729681	25 31 23	LAT. = 24 51 37.5 LONG. = - 26 12 41.8 RAD. = 1735645.5	2.1 3.8 30.9
86089	X = 1340848 Y = -646699 Z = 891562	28 31 16	LAT. = 30 55 3.3 LONG. = - 25 44 53.8 RAD. = 1735216.0	2.2 3.8 29.3
86072	X = 1365404 Y = -650329 Z = 851065	24 30 15	LAT. = 29 22 5.0 LONG. = - 25 28 4.9 RAD. = 1735386.9	1.7 3.7 27.6
86094	X = 1374044 Y = -661607 Z = 828137	24 30 14	LAT. = 28 30 11.7 LONG. = - 25 42 39.6 RAD. = 1735376.4	1.5 3.7 27.0

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TERRAIN POINTS ON MAP SHEET 40A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
66957	X = 1377681 Y = -671047 Z = 814375	28 31 16	LAT. = 27 59 15.2 LONG. = - 25 58 11.9 RAD. = 1735372.1	2.1 3.8 29.6
86097	X = 1386608 Y = -674614 Z = 796330	23 30 15	LAT. = 27 18 46.5 LONG. = - 25 56 38.1 RAD. = 1735490.8	1.5 3.7 27.2
E608F	X = 1397426 Y = -652570 Z = 795759	27 31 18	LAT. = 27 17 31.1 LONG. = - 25 1 53.8 RAD. = 1735476.4	1.8 3.8 30.8
86086	X = 1397411 Y = -652567 Z = 795751	24 29 15	LAT. = 27 17 31.0 LONG. = - 25 1 54.3 RAD. = 1735460.0	1.5 3.6 27.5
66892	X = 1403939 Y = -656174 Z = 781127	27 30 15	LAT. = 26 45 .8 LONG. = - 25 3 1.7 RAD. = 1735444.9	1.6 3.7 29.9
66960	X = 1399916 Y = -675846 Z = 771606	24 30 15	LAT. = 26 23 53.2 LONG. = - 25 46 12.5 RAD. = 1735485.4	1.5 3.6 27.9
86088	X = 1411136 Y = -667588 Z = 758259	26 30 22	LAT. = 25 54 25.5 LONG. = - 25 19 5.3 RAD. = 1735493.1	2.0 3.7 31.5
66962	X = 1409062 Y = -680063 Z = 751019	24 30 16	LAT. = 25 38 29.3 LONG. = - 25 45 49.0 RAD. = 1735502.7	1.5 3.6 27.9
95543	X = 1420720 Y = -675714 Z = 732985	23 30 15	LAT. = 24 58 53.0 LONG. = - 25 26 11.0 RAD. = 1735598.5	1.5 3.0 26.9
86080	X = 1368799 Y = -626127 Z = 863663	27 30 15	LAT. = 29 50 47.4 LONG. = - 24 34 50.5 RAD. = 1735385.1	2.0 3.8 29.2
86084	X = 1389753 Y = -639458 Z = 819319	24 29 15	LAT. = 28 10 19.6 LONG. = - 24 42 29.8 RAD. = 1735397.0	1.6 3.7 27.4
D5951	X = 1405387 Y = -627485 Z = 801763	37 31 25	LAT. = 27 30 58.5 LONG. = - 24 3 36.3 RAD. = 1735417.4	1.9 4.2 41.3

TERRAIN POINTS ON MAP SHEET 40A (CONTINUED)

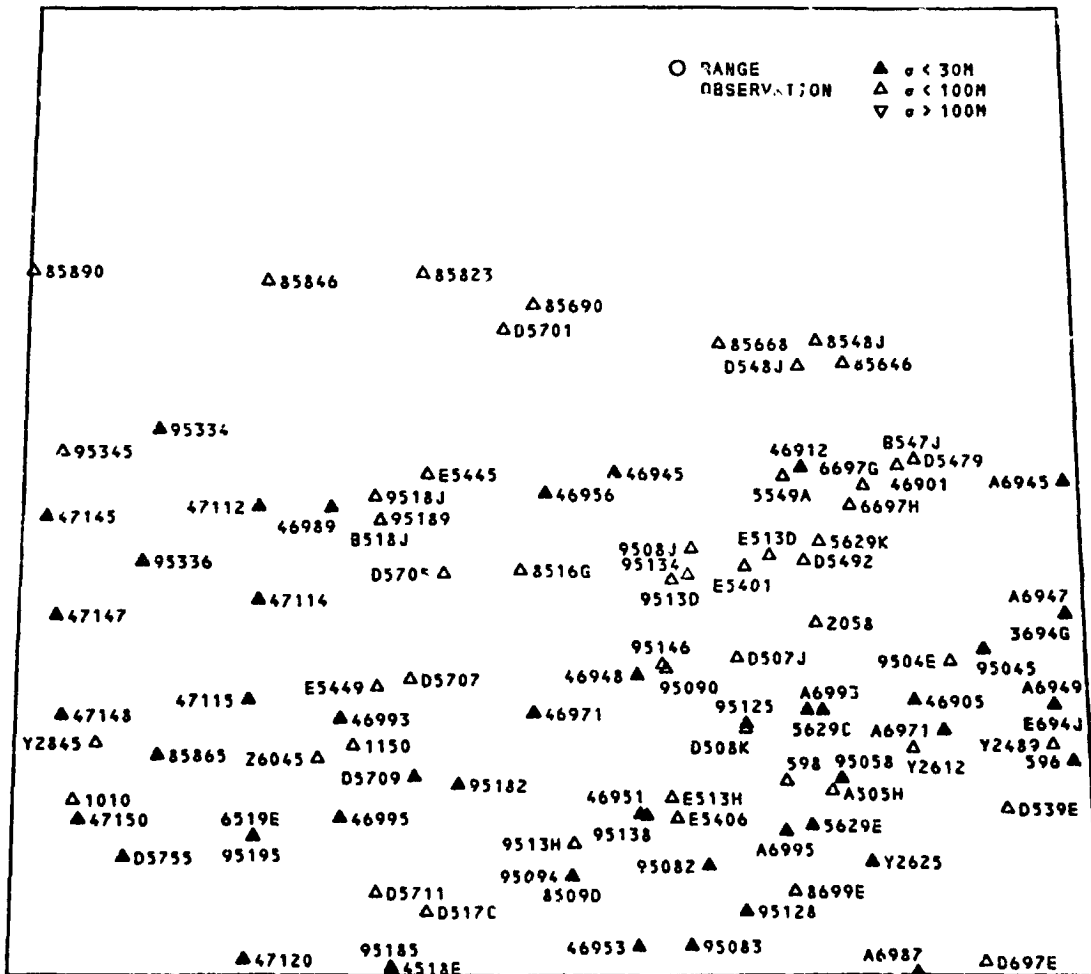
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D5954	X = 1422180 Y = -640550 Z = 760911	25 30 23	LAT. = 26 0 16.8 LONG. = - 24 14 48.5 RAD. = 1735478.9	2.1 3.7 30.8
66894	X = 1414685 Y = -657690 Z = 760246	24 29 14	LAT. = 25 58 49.2 LONG. = - 24 56 1.8 RAD. = 1735471.8	1.5 3.6 27.6
1156	X = 1421263 Y = -657649 Z = 747939	35 31 21	LAT. = 25 31 44.5 LONG. = - 24 49 51.6 RAD. = 1735484.0	1. 4.0 37.8
66885	X = 1426663 Y = -661642 Z = 734114	23 29 15	LAT. = 25 1 24.9 LONG. = - 24 52 49.5 RAD. = 1735529.2	1.4 3.5 26.7
86057	X = 1376966 Y = -591843 Z = 874408	25 30 15	LAT. = 30 15 36.0 LONG. = - 23 15 31.8 RAD. = 1735195.7	1.9 3.7 27.8
D5949	X = 1395259 Y = -614869 Z = 829329	27 31 17	LAT. = 28 32 33.1 LONG. = - 23 46 56.5 RAD. = 1735683.3	1.8 3.8 30.6
86050	X = 1404739 Y = -599990 Z = 823709	24 29 15	LAT. = 28 20 8.9 LONG. = - 23 7 41.6 RAD. = 1735446.8	1.6 3.6 27.0
66860	X = 1428035 Y = -607920 Z = 776432	23 29 14	LAT. = 26 34 37.6 LONG. = - 23 3 34.8 RAD. = 1735424.5	1.4 3.5 26.3
86054	X = 1424714 Y = -625430 Z = 768830	23 29 16	LAT. = 26 17 42.2 LONG. = - 23 42 2.9 RAD. = 1735532.3	1.5 3.6 27.4
66850	X = 1438204 Y = -610507 Z = 755632	22 29 14	LAT. = 25 48 35.3 LONG. = - 23 0 3.1 RAD. = 1735548.1	1.4 3.5 25.9
95398	X = 1444419 Y = -635374 Z = 722466	23 29 16	LAT. = 24 36 .7 LONG. = - 23 44 37.3 RAD. = 1735512.5	1.5 3.5 26.8
95399	X = 1450922 Y = -634486 Z = 710245	23 30 22	LAT. = 24 9 23.1 LONG. = - 23 37 10.8 RAD. = 1735567.3	2.0 3.6 29.3

TERRAIN POINTS ON MAP SHEET 40A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
86045	X = 1376392 Y = -575943 Z = 885893	29 31 16	LAT. = 30 41 58.8 LONG. = - 22 42 23.8 RAD. = 1735215.2	2.3 3.9 29.9
95391	X = 1413320 Y = -586262 Z = 818650	23 29 14	LAT. = 28 8 53.8 LONG. = - 22 31 45.3 RAD. = 1735327.8	1.5 3.6 26.1
47189	X = 1423494 Y = -588390 Z = 799490	23 29 14	LAT. = 27 25 53.1 LONG. = - 22 27 26.5 RAD. = 1735431.1	1.5 3.6 26.2
47191	X = 1438552 Y = -589338 Z = 771409	23 29 15	LAT. = 26 23 28.5 LONG. = - 22 16 39.6 RAD. = 1735460.8	1.4 3.5 26.4
47194	X = 1456113 Y = -592068 Z = 735461	23 29 17	LAT. = 25 4 27.2 LONG. = - 22 7 37.4 RAD. = 1735428.9	1.5 3.5 28.0
95387	X = 1459658 Y = -612003 Z = 711841	22 29 15	LAT. = 24 12 56.1 LONG. = - 22 44 50.1 RAD. = 1735473.5	1.5 3.5 26.2
47196	X = 1468771 Y = -594323 Z = 708049	22 29 15	LAT. = 24 4 42.6 LONG. = - 22 1 48.7 RAD. = 1735465.4	1.4 3.4 25.8
86013	X = 1397666 Y = -540640 Z = 874667	27 30 15	LAT. = 30 16 13.6 LONG. = - 21 8 50.2 RAD. = 1735167.5	2.1 3.7 28.9
86015	X = 1410084 Y = -553234 Z = 846565	26 29 15	LAT. = 29 12 1.1 LONG. = - 21 25 19.6 RAD. = 1735245.6	1.8 3.7 28.3
95389	X = 1408133 Y = -568123 Z = 840160	24 29 14	LAT. = 28 57 22.5 LONG. = - 21 58 19.3 RAD. = 1735358.9	1.7 3.6 27.0
47178	X = 1435896 Y = -557109 Z = 799562	24 29 15	LAT. = 27 26 7.3 LONG. = - 21 12 20.2 RAD. = 1735358.0	1.5 3.6 27.1
47180	X = 1451381 Y = -562879 Z = 768253	23 29 15	LAT. = 26 16 .7 LONG. = - 21 11 50.8 RAD. = 1735958.8	1.5 3.5 26.9

TERRAIN POINTS ON MAP SHEET 40A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
47182	X = 1455113 Y = -575794 Z = 751604	24 30 23	LAT. = 25 39 16.4 LONG. = - 21 35 20.0 RAD. = 1736029.8	2.1 3.7 30.2
Y2889	X = 1451163 Y = -584688 Z = 751258	26 29 15	LAT. = 25 38 58.4 LONG. = - 21 56 42.0 RAD. = 1735547.2	1.8 3.5 27.9
8088J	X = 1403143 Y = -513352 Z = 882356	29 30 16	LAT. = 30 33 51.7 LONG. = - 20 5 43.7 RAD. = 1735192.0	2.3 3.8 29.7
85893	X = 1430254 Y = -531737 Z = 826213	23 29 14	LAT. = 28 26 1.5 LONG. = - 20 23 38.5 RAD. = 1735222.7	1.6 3.6 26.0
2064	X = 1434517 Y = -534390 Z = 816940	26 30 17	LAT. = 28 5 13.7 LONG. = - 20 25 53.4 RAD. = 1735166.3	1.7 3.7 29.8
66805	X = 1459246 Y = -542313 Z = 767198	25 30 16	LAT. = 26 14 5.5 LONG. = - 20 23 13.4 RAD. = 1735538.7	1.6 3.6 28.8
66806	X = 1467428 Y = -537792 Z = 754487	22 28 14	LAT. = 25 46 9.3 LONG. = - 20 7 37.9 RAD. = 1735458.2	1.4 3.5 25.5
8089J	X = 1466664 Y = -553211 Z = 746267	24 30 24	LAT. = 25 27 29.2 LONG. = - 20 39 57.5 RAD. = 1736105.3	2.3 3.7 29.8
85899	X = 1466680 Y = -553238 Z = 746200	22 29 16	LAT. = 25 27 20.8 LONG. = - 20 40 .0 RAD. = 1736097.8	1.5 3.5 26.8
66810	X = 1484260 Y = -554144 Z = 708281	22 28 15	LAT. = 24 5 14.0 LONG. = - 20 28 22.7 RAD. = 1735443.7	1.5 3.4 26.0



MAP SHEET 40B

TERRAIN POINTS ON MAP SHEET 40B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
85890	X = 1414787 Y = -514315 Z = 862962	28 30 16	LAT. = 29 49 25.4 LONG. = - 19 58 39.5 RAD. = 1735178.7	2.1 3.8 29.7
95345	X = 1438421 Y = -513298 Z = 823500	25 29 14	LAT. = 28 20 .8 LONG. = - 19 38 19.9 RAD. = 1735131.6	1.7 3.6 27.1
47145	X = 1444517 Y = -519378 Z = 809138	23 28 14	LAT. = 27 47 38.7 LONG. = - 19 46 34.0 RAD. = 1735248.8	1.5 3.5 25.7
47147	X = 1456542 Y = -520061 Z = 787225	23 28 14	LAT. = 26 58 34.4 LONG. = - 19 38 57.2 RAD. = 1735425.7	1.4 3.5 25.8
47148	X = 1467634 Y = -521668 Z = 764862	25 29 16	LAT. = 26 9 12.8 LONG. = - 19 34 3.6 RAD. = 1735257.8	1.5 3.6 28.1
Y2845	X = 1473433 Y = -514369 Z = 758533	27 29 15	LAT. = 25 55 18.1 LONG. = - 19 14 37.9 RAD. = 1735209.3	2.0 3.6 28.4
1010	X = 1477507 Y = -521463 Z = 745700	34 30 21	LAT. = 25 27 4.2 LONG. = - 19 26 22.9 RAD. = 1735228.5	1.8 3.9 36.8
47150	X = 1479961 Y = -520811 Z = 741233	22 28 15	LAT. = 25 17 17.6 LONG. = - 19 23 14.7 RAD. = 1735210.5	1.4 3.4 25.5
95334	X = 1443986 Y = -489479 Z = 828408	24 28 14	LAT. = 28 30 59.3 LONG. = - 18 43 31.9 RAD. = 1735207.3	1.6 3.5 26.1
95336	X = 1457639 Y = -497963 Z = 799202	24 28 15	LAT. = 27 25 20.2 LONG. = - 18 51 40.9 RAD. = 1735330.4	1.5 3.5 27.1
85865	X = 1479733 Y = -500028 Z = 755737	22 28 14	LAT. = 25 49 11.5 LONG. = - 18 40 15.6 RAD. = 1735158.8	1.4 3.5 25.4
D5755	X = 1487534 Y = -511349 Z = 732576	22 28 14	LAT. = 24 58 21.7 LONG. = - 18 58 14.6 RAD. = 1735195.6	1.4 3.4 25.3

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
85846	X = 1435124 Y = -458450 Z = 860736	25 29 15	LAT. = 29 44 24.9 LONG. = - 17 42 57.9 RAD. = 1735114.9	1.9 3.6 26.9
47112	X = 1460804 Y = -468139 Z = 811309	23 28 14	LAT. = 27 52 26.3 LONG. = - 17 46 8.2 RAD. = 1735316.9	1.5 3.5 25.5
46989	X = 1466537 Y = -450531 Z = 811074	25 28 14	LAT. = 27 51 50.5 LONG. = - 17 4 38.4 RAD. = 1735381.5	1.7 3.5 26.4
47114	X = 1471078 Y = -471009 Z = 790560	22 28 14	LAT. = 27 6 13.4 LONG. = - 17 45 14.4 RAD. = 1735195.6	1.4 3.5 25.5
47115	X = 1481124 Y = -476498 Z = 768115	23 28 14	LAT. = 26 16 29.3 LONG. = - 17 50 1.4 RAD. = 1735159.4	1.4 3.4 25.9
25045	X = 1492577 Y = -461375 Z = 754899	27 29 15	LAT. = 25 47 25.1 LONG. = - 17 10 37.4 RAD. = 1735086.2	2.0 3.5 28.2
6519E	X = 1495728 Y = -479517 Z = 737285	25 29 18	LAT. = 25 8 42.5 LONG. = - 17 46 31.4 RAD. = 1735145.6	1.7 3.6 29.1
95195	X = 1495788 Y = -479381 Z = 737203	23 28 16	LAT. = 25 8 32.8 LONG. = - 17 46 12.0 RAD. = 1735124.3	1.5 3.5 26.6
47120	X = 1507507 Y = -485158 Z = 709281	22 28 16	LAT. = 24 7 35.4 LONG. = - 17 50 22.6 RAD. = 1735233.4	1.5 3.4 25.1
85823	X = 1445870 Y = -420666 Z = 862217	33 30 16	LAT. = 29 47 42.0 LONG. = - 16 13 19.1 RAD. = 1735199.5	2.5 3.7 32.5
E5445	X = 1469656 Y = -426031 Z = 818446	29 30 16	LAT. = 28 8 28.6 LONG. = - 16 9 57.9 RAD. = 1735293.7	2.3 3.7 29.7
9518J	X = 1468457 Y = -439503 Z = 813508	29 30 16	LAT. = 27 57 22.0 LONG. = - 16 39 44.0 RAD. = 1735316.4	2.3 3.7 29.3

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
95120	X = 1471463 Y = -438944 Z = 808205	25 29 15	LAT. = 27 45 33.6 LONG. = - 16 36 36.3 RAD. = 1735243.4	1.7 3.6 27.5
B518J	X = 1471530 Y = -438856 Z = 808190	40 29 16	LAT. = 27 45 30.8 LONG. = - 16 36 22.3 RAD. = 1735275.1	2.6 3.9 36.9
D5705	X = 1481822 Y = -425164 Z = 796226	26 29 17	LAT. = 27 18 57.2 LONG. = - 16 0 33.3 RAD. = 1735089.5	1.7 3.6 29.5
D5707	X = 1490963 Y = -436468 Z = 772583	26 29 19	LAT. = 26 26 29.2 LONG. = - 16 19 1.2 RAD. = 1735038.8	1.7 3.6 29.6
E5449	X = 1489407 Y = -444744 Z = 770966	42 30 18	LAT. = 26 22 51.9 LONG. = - 16 37 33.1 RAD. = 1735085.1	2.2 4.0 41.7
46993	X = 1490138 Y = -454750 Z = 763789	22 28 14	LAT. = 26 6 57.8 LONG. = - 16 58 14.8 RAD. = 1735131.8	1.4 3.4 25.6
1150	X = 1493867 Y = -452374 Z = 757775	25 29 16	LAT. = 25 53 45.3 LONG. = - 16 50 50.6 RAD. = 1735080.6	1.6 3.6 28.1
D5709	X = 1501608 Y = -438431 Z = 750524	22 28 14	LAT. = 25 37 51.0 LONG. = - 16 16 35.2 RAD. = 1735031.8	1.5 3.4 25.2
46995	X = 1500527 Y = -457713 Z = 741345	22 28 15	LAT. = 25 17 36.9 LONG. = - 16 57 48.7 RAD. = 1735129.8	1.4 3.4 25.5
D5711	X = 1510731 Y = -451131 Z = 724487	24 29 23	LAT. = 24 40 45.4 LONG. = - 16 37 35.6 RAD. = 1735139.0	2.1 3.6 29.7
D517C	X = 1516149 Y = -439254 Z = 720172	31 30 36	LAT. = 24 31 27.8 LONG. = - 16 9 23.3 RAD. = 1735016.5	3.0 4.0 39.9
95185	X = 1519298 Y = -449384 Z = 707437	22 23 15	LAT. = 24 3 40.7 LONG. = - 16 28 38.6 RAD. = 1735131.3	1.4 3.4 25.7

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
4510E	X = 1519513 Y = -449412 Z = 707070	30 29 29	LAT. = 24 2 50.4 LONG. = - 16 28 34.1 RAD. = 1735177.2	2.5 3.7 36.5
85690	X = 1457225 Y = -394716 Z = 855532	29 29 16	LAT. = 29 32 21.2 LONG. = - 15 9 21.3 RAD. = 1735292.8	2.2 3.7 29.4
D5701	X = 1458112 Y = -402815 Z = 850079	29 30 16	LAT. = 29 20 1.8 LONG. = - 15 26 35.6 RAD. = 1735218.7	2.2 3.7 29.4
46956	X = 1479762 Y = -397959 Z = 813967	23 27 14	LAT. = 27 58 30.7 LONG. = - 15 3 9.6 RAD. = 1735111.2	1.5 3.5 24.9
8516G	X = 1486709 Y = -406242 Z = 796929	33 34 23	LAT. = 27 20 33.1 LONG. = - 15 16 58.6 RAD. = 1735059.7	1.9 3.9 40.7
46971	X = 1503042 Y = -407396 Z = 764916	23 27 14	LAT. = 26 9 35.1 LONG. = - 15 9 55.9 RAD. = 1734993.3	1.4 3.4 25.6
95182	X = 1505472 Y = -427937 Z = 748793	23 28 15	LAT. = 25 34 3.8 LONG. = - 15 52 5.0 RAD. = 1735012.4	1.4 3.4 26.2
46945	X = 1481842 Y = -380182 Z = 818577	23 27 14	LAT. = 28 9 .6 LONG. = - 14 23 22.1 RAD. = 1735068.3	1.6 3.5 24.8
46948	X = 1505829 Y = -380788 Z = 773533	22 27 14	LAT. = 26 28 26.5 LONG. = - 14 11 28.5 RAD. = 1735186.6	1.4 3.4 25.3
46951	X = 1520492 Y = -383929 Z = 742233	22 27 15	LAT. = 25 19 41.2 LONG. = - 14 10 16.2 RAD. = 1734995.2	1.5 3.4 25.6
95138	X = 1520993 Y = -382430 Z = 741996	22 27 14	LAT. = 25 19 9.7 LONG. = - 14 6 48.9 RAD. = 1735002.0	1.4 3.3 24.5
9513H	X = 1519281 Y = -401056 Z = 735599	26 29 17	LAT. = 25 5 10.1 LONG. = - 14 47 14.8 RAD. = 1734983.1	1.7 3.5 29.3

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TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
95094	X = 1522451	24	LAT. = 24 49 3.1	1.5
	Y = -402558	28	LONG. = - 14 48 39.2	3.4
	Z = 728233	16	RAD. = 1735002.7	27.3
8509D	X = 1522509	31	LAT. = 24 49 2.8	3.2
	Y = -402465	29	LONG. = - 14 48 25.4	3.8
	Z = 728244	38	RAD. = 1735036.0	41.1
46953	X = 1533781	21	LAT. = 24 14 11.8	1.4
	Y = -388021	27	LONG. = - 14 11 49.2	3.3
	Z = 712240	15	RAD. = 1735030.4	24.6
85668	X = 1473221	32	LAT. = 29 13 16.3	2.4
	Y = -350451	30	LONG. = - 13 22 51.2	3.7
	Z = 847066	15	RAD. = 1735141.8	32.0
9508J	X = 1495096	48	LAT. = 27 31 31.7	4.0
	Y = -363722	30	LONG. = - 13 40 23.3	3.7
	Z = 801867	20	RAD. = 1735107.3	40.7
E5401	X = 1500554	39	LAT. = 27 22 36.7	2.9
	Y = -351277	38	LONG. = - 13 10 32.0	4.3
	Z = 798053	17	RAD. = 1735496.0	40.4
95134	X = 1497994	29	LAT. = 27 18 20.8	2.2
	Y = -365496	29	LONG. = - 13 42 42.1	3.6
	Z = 796051	16	RAD. = 1735301.2	29.1
9513D	X = 1497452	29	LAT. = 27 15 52.7	2.3
	Y = -369533	29	LONG. = - 13 51 43.9	3.6
	Z = 794873	16	RAD. = 1735148.7	29.1
D507J	X = 1508134	33	LAT. = 26 37 21.3	1.9
	Y = -355257	33	LONG. = - 13 15 17.9	4.0
	Z = 776651	23	RAD. = 1733165.2	40.1
95146	X = 1506379	28	LAT. = 26 33 53.6	2.0
	Y = -374310	29	LONG. = - 13 57 16.0	3.6
	Z = 776089	16	RAD. = 1735396.0	29.1
9509O	X = 1507160	33	LAT. = 26 31 48.4	1.9
	Y = -373526	31	LONG. = - 13 55 9.9	3.7
	Z = 775195	23	RAD. = 1735505.3	39.1
95125	X = 1518009	22	LAT. = 26 4 25.0	1.5
	Y = -355605	27	LONG. = - 13 11 3.2	3.4
	Z = 762907	14	RAD. = 1735751.0	24.8

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D508K	X = 1518323	31	LAT. = 26 2 8.7	2.0
	Y = -355838	33	LONG. = - 13 11 23.8	3.9
	Z = 761806	25	RAD. = 1735590.8	39.1
E513H	X = 1520700	27	LAT. = 25 27 53.6	1.7
	Y = -375752	29	LONG. = - 13 52 45.5	3.6
	Z = 745973	17	RAD. = 1734990.8	29.5
E5406	X = 1523186	34	LAT. = 25 17 40.1	1.9
	Y = -374997	34	LONG. = - 13 49 50.7	3.9
	Z = 741321	22	RAD. = 1735014.2	40.6
95082	X = 1529865	22	LAT. = 24 54 16.5	1.4
	Y = -368671	27	LONG. = - 13 32 56.3	3.3
	Z = 730622	14	RAD. = 1734996.8	25.0
95128	X = 1536716	21	LAT. = 24 31 40.1	1.3
	Y = -360722	27	LONG. = - 13 12 36.7	3.3
	Z = 720283	14	RAD. = 1735056.9	24.3
95083	X = 1536931	22	LAT. = 24 14 31.5	1.6
	Y = -375057	27	LONG. = - 13 42 49.9	3.4
	Z = 712390	17	RAD. = 1735029.1	26.1
8548J	X = 1478331	49	LAT. = 29 14 39.3	3.6
	Y = -326402	29	LONG. = - 12 27 2.2	4.0
	Z = 847646	18	RAD. = 1735080.7	41.6
85646	X = 1482484	29	LAT. = 29 3 31.2	2.2
	Y = -320401	29	LONG. = - 12 11 43.6	3.7
	Z = 842758	16	RAD. = 1735124.6	29.5
D548J	X = 1480215	29	LAT. = 29 2 20.3	2.3
	Y = -331606	29	LONG. = - 12 37 38.1	3.7
	Z = 842183	16	RAD. = 1735013.3	28.5
46912	X = 1492155	25	LAT. = 28 11 46.6	1.8
	Y = -334175	27	LONG. = - 12 37 24.1	3.5
	Z = 819778	14	RAD. = 1735003.3	26.1
5549A	X = 1492185	39	LAT. = 28 7 23.0	3.0
	Y = -338821	32	LONG. = - 12 47 34.3	3.8
	Z = 817826	17	RAD. = 1735008.9	37.6
6697G	X = 1497518	46	LAT. = 28 2 49.8	3.6
	Y = -319299	28	LONG. = - 12 2 10.6	3.9
	Z = 815761	18	RAD. = 1734928.9	39.4

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

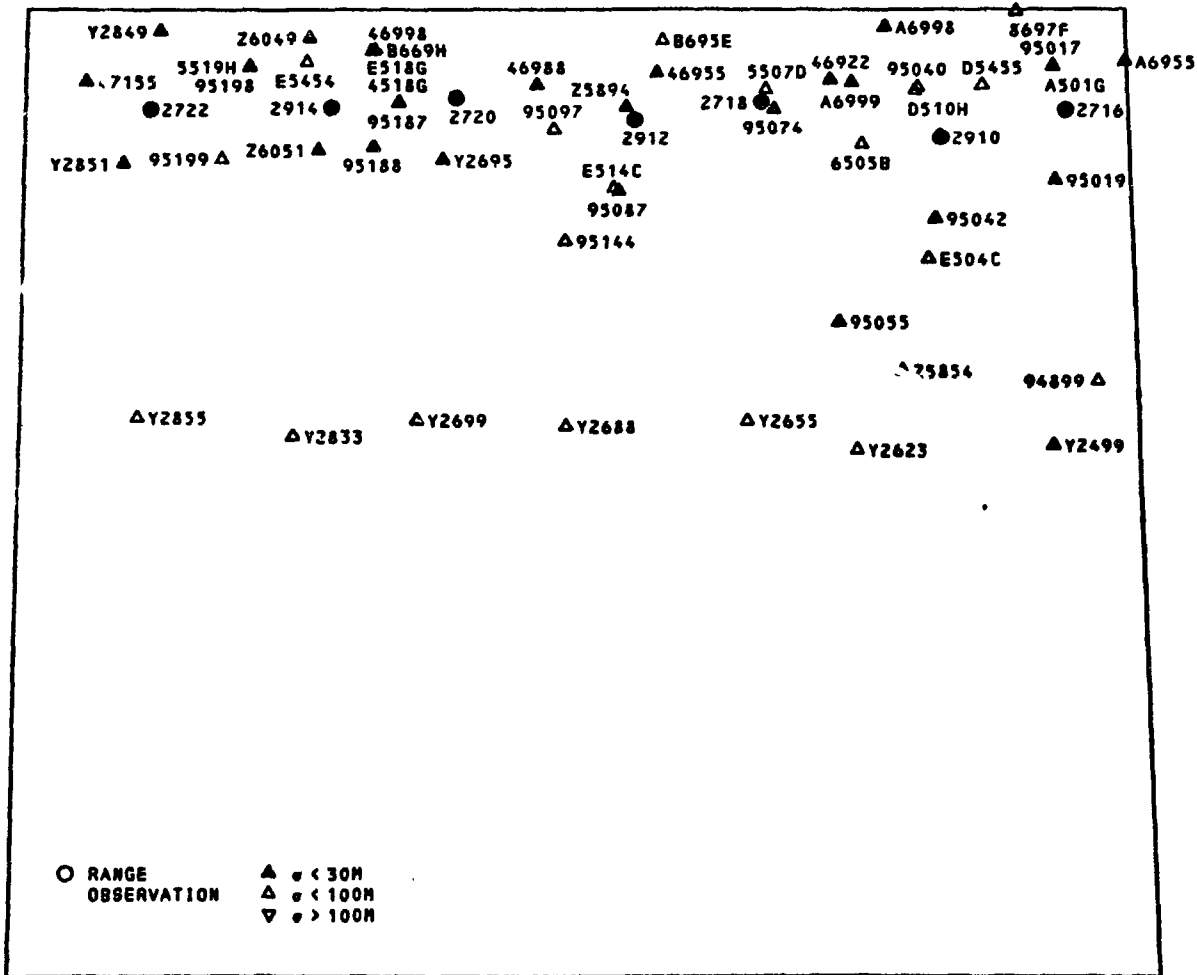
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
6697H	X = 1499293	29	LAT. = 27 52 54.3	2.2
	Y = -323326	28	LONG. = - 12 10 10.5	3.6
	Z = 811458	16	RAD. = 1735189.7	28.4
5629K	X = 1501532	27	LAT. = 27 35 5.1	1.9
	Y = -331862	28	LONG. = - 12 27 46.5	3.6
	Z = 803405	15	RAD. = 1734990.3	27.8
E513D	X = 1500454	29	LAT. = 27 28 2.5	2.2
	Y = -344745	29	LONG. = - 12 56 23.1	3.7
	Z = 800324	16	RAD. = 1735145.7	29.3
D5492	X = 1502916	27	LAT. = 27 25 33.2	1.7
	Y = -336332	28	LONG. = - 12 36 51.0	3.6
	Z = 799190	17	RAD. = 1735102.5	29.6
2058	X = 1510972	26	LAT. = 26 54 42.0	1.7
	Y = -335299	28	LONG. = - 12 30 42.2	3.6
	Z = 785604	18	RAD. = 1735694.7	29.5
A6993	X = 1519694	23	LAT. = 26 11 17.0	1.4
	Y = -339966	27	LONG. = - 12 36 35.4	3.4
	Z = 765862	14	RAD. = 1735394.0	25.6
5629C	X = 1520463	25	LAT. = 26 11 8.4	1.6
	Y = -336175	28	LONG. = - 12 28 3.1	3.5
	Z = 765745	16	RAD. = 1735276.9	27.8
95058	X = 1528501	23	LAT. = 25 37 7.5	1.4
	Y = -333386	27	LONG. = - 12 18 15.4	3.4
	Z = 750183	14	RAD. = 1735003.2	25.9
598	X = 1525779	34	LAT. = 25 36 10.6	1.8
	Y = -346960	29	LONG. = - 12 48 40.0	3.8
	Z = 749792	20	RAD. = 1735099.4	36.5
A505H	X = 1529038	33	LAT. = 25 31 15.1	1.8
	Y = -335791	28	LONG. = - 12 23 9.9	3.7
	Z = 747393	21	RAD. = 1734735.6	36.3
5629E	X = 1531726	24	LAT. = 25 14 12.2	1.6
	Y = -341908	28	LONG. = - 12 34 59.3	3.5
	Z = 739743	18	RAD. = 1735023.0	27.9
A6995	X = 1530870	24	LAT. = 25 11 19.9	1.5
	Y = -348521	27	LONG. = - 12 49 31.7	3.4
	Z = 738433	17	RAD. = 1735025.0	27.5

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y2625	X = 1538661 Y = -328168 Z = 731513	25 27 14	LAT. = 24 56 12.2 LONG. = - 12 2 23.1 RAD. = 1735017.0	1.6 3.4 26.3
8699E	X = 1537508 Y = -348058 Z = 724804	24 28 24	LAT. = 24 41 31.4 LONG. = - 12 45 19.9 RAD. = 1735055.2	2.2 3.5 29.7
B547J	X = 1497231 Y = -305758 Z = 821492	27 28 16	LAT. = 28 15 41.6 LONG. = - 11 32 31.2 RAD. = 1734946.3	2.1 3.6 27.3
D5479	X = 1497256 Y = -305775 Z = 821468	26 27 15	LAT. = 28 15 37.4 LONG. = - 11 32 32.7 RAD. = 1734959.4	1.8 3.5 26.2
46901	X = 1497025 Y = -310149 Z = 820200	26 27 15	LAT. = 28 12 47.9 LONG. = - 11 42 17.2 RAD. = 1734936.6	1.9 3.5 26.2
9504E	X = 1521542 Y = -302832 Z = 776789	29 29 16	LAT. = 26 35 50.7 LONG. = - 11 15 23.3 RAD. = 1734991.8	2.3 3.6 28.8
46905	X = 1524127 Y = -313051 Z = 767883	22 27 14	LAT. = 26 16 1.5 LONG. = - 11 36 25.1 RAD. = 1735110.5	1.4 3.4 24.9
A6971	X = 1528668 Y = -306619 Z = 761319	22 26 14	LAT. = 26 1 34.8 LONG. = - 11 20 30.6 RAD. = 1735064.1	1.4 3.3 24.4
Y2612	X = 1529121 Y = -314735 Z = 757182	26 27 15	LAT. = 25 52 25.4 LONG. = - 11 37 50.2 RAD. = 1735106.5	1.9 3.4 26.3
D697E	X = 1554526 Y = -302814 Z = 708739	24 28 21	LAT. = 24 6 32.1 LONG. = - 11 1 22.5 RAD. = 1735096.4	2.0 3.5 28.7
A6987	X = 1552183 Y = -319903 Z = 706253	21 26 14	LAT. = 24 1 10.8 LONG. = - 11 38 43.9 RAD. = 1735051.0	1.3 3.3 23.6
A6945	X = 1506649 Y = -269493 Z = 816738	23 26 14	LAT. = 28 5 7.0 LONG. = - 10 8 28.4 RAD. = 1734842.5	1.6 3.4 24.5

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A6947	X = 1521607 Y = -273055 Z = 787372	23 26 13	LAT. = 26 59 27.1 LONG. = - 10 10 24.7 RAD. = 1734878.1	1.5 3.3 24.4
3694G	X = 1521720 Y = -272961 Z = 787149	39 29 16	LAT. = 26 58 58.4 LONG. = - 10 10 9.7 RAD. = 1734861.5	2.4 4.0 36.2
95045	X = 1521885 Y = -294227 Z = 779349	24 27 14	LAT. = 26 41 33.1 LONG. = - 10 56 31.3 RAD. = 1734960.9	1.6 3.4 25.9
A6949	X = 1531074 Y = -278607 Z = 767035	24 27 15	LAT. = 26 14 16.7 LONG. = - 10 18 47.4 RAD. = 1734979.3	1.5 3.4 26.1
E694J	X = 1531078 Y = -278546 Z = 766953	28 28 16	LAT. = 26 14 8.4 LONG. = - 10 18 39.3 RAD. = 1734936.4	2.0 3.6 29.1
Y2489	X = 1535317 Y = -280095 Z = 758017	27 27 15	LAT. = 25 54 21.6 LONG. = - 10 20 20.5 RAD. = 1735004.5	2.0 3.4 26.9
596	X = 1537967 Y = -275373 Z = 754356	24 27 16	LAT. = 25 46 18.3 LONG. = - 10 9 4.5 RAD. = 1735000.1	1.6 3.4 26.9
D539E	X = 1540004 Y = -293063 Z = 743655	25 28 18	LAT. = 25 22 43.2 LONG. = - 10 46 28.4 RAD. = 1735085.1	1.7 3.5 28.6



MAP SHEET 40C

TERRAIN POINTS ON MAP SHEET 40C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
47155	X = 1501768 Y = -530378 Z = 689335	22 28 17	LAT. = 23 24 13.5 LONG. = - 19 27 5.9 RAD. = 1735450.8	1.6 3.4 26.3
Y2851	X = 1512627 Y = -523870 Z = 670484	23 28 16	LAT. = 22 43 34.9 LONG. = - 19 6 9.3 RAD. = 1735519.7	1.5 3.4 27.5
Y2849	X = 1502927 Y = -511333 Z = 700850	24 28 15	LAT. = 23 49 12.4 LONG. = - 18 47 22.4 RAD. = 1735350.6	1.5 3.4 27.5
2722	X = 1509634 Y = -515853 Z = 682953	21 29 15	LAT. = 23 10 31.6 LONG. = - 18 51 56.5 RAD. = 1735374.7	1.6 3.5 24.9
95199	X = 1520219 Y = -500114 Z = 671507	24 29 24	LAT. = 22 45 45.7 LONG. = - 18 12 35.7 RAD. = 1735540.5	2.2 3.6 29.7
Y2855	X = 1536316 Y = -527268 Z = 611414	22 28 20	LAT. = 20 37 38.8 LONG. = - 18 56 32.5 RAD. = 1735541.5	1.9 3.4 27.6
Z6049	X = 1515234 Y = -475657 Z = 699274	25 29 16	LAT. = 23 45 51.9 LONG. = - 17 25 40.6 RAD. = 1735271.6	1.6 3.5 28.2
E5454	X = 1517361 Y = -477049 Z = 693757	25 29 23	LAT. = 23 33 54.5 LONG. = - 17 27 10.2 RAD. = 1735298.0	2.1 3.6 29.9
5519H	X = 1513423 Y = -490950 Z = 692745	23 29 23	LAT. = 23 31 41.5 LONG. = - 17 58 22.5 RAD. = 1735332.4	2.1 3.5 28.7
95198	X = 1513493 Y = -490844 Z = 692624	22 28 16	LAT. = 23 31 26. LONG. = - 17 58 6.6 RAD. = 1735314.9	1.5 3.4 25.8
2914	X = 1523597 Y = -472307 Z = 683295	21 29 15	LAT. = 23 11 18.9 LONG. = - 17 13 23.4 RAD. = 1735313.7	1.6 3.5 24.6
Z6051	X = 1526706 Y = -476583 Z = 673472	24 29 17	LAT. = 22 50 7.3 LONG. = - 17 20 11.4 RAD. = 1735375.6	1.6 3.4 28.2

TERRAIN POINTS ON MAP SHEET 40C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y2833	X = 1550304 Y = -490085 Z = 606871	22 28 20	LAT. = 20 28 4.6 LONG. = - 17 32 34.3 RAD. = 1735487.2	1.9 3.3 27.4
B669H	X = 1521261 Y = -459991 Z = 696474	23 29 22	LAT. = 23 39 52.2 LONG. = - 16 49 26.3 RAD. = 1735195.4	2.0 3.5 28.2
46998	X = 1521131 Y = -460864 Z = 696274	22 28 17	LAT. = 23 39 24.4 LONG. = - 16 51 19.7 RAD. = 1735232.6	1.6 3.4 26.0
2720	X = 1531655 Y = -441748 Z = 685427	21 28 15	LAT. = 23 16 .6 LONG. = - 16 5 17.6 RAD. = 1735199.6	1.6 3.4 24.3
4518G	X = 1528105 Y = -455768 Z = 684358	28 29 35	LAT. = 23 13 38.5 LONG. = - 16 36 27.3 RAD. = 1735273.6	3.2 3.7 36.6
95187	X = 1528109 Y = -455812 Z = 684300	23 28 17	LAT. = 23 13 31.3 LONG. = - 16 36 32.6 RAD. = 1735265.6	1.6 3.4 27.0
E518G	X = 1527987 Y = -455872 Z = 684171	33 30 36	LAT. = 23 13 21.9 LONG. = - 16 36 44.5 RAD. = 1735123.8	3.0 3.9 41.3
95188	X = 1530505 Y = -463129 Z = 674202	23 28 17	LAT. = 22 51 42.1 LONG. = - 16 50 8.7 RAD. = 1735361.9	1.6 3.4 27.1
Y2695	X = 1536683 Y = -446695 Z = 671063	23 28 16	LAT. = 22 45 .6 LONG. = - 16 12 30.5 RAD. = 1735297.5	1.5 3.4 27.0
Y2699	X = 1558241 Y = -459701 Z = 610677	22 28 20	LAT. = 20 36 1.9 LONG. = - 16 26 12.2 RAD. = 1735616.7	1.8 3.3 27.1
46988	X = 1536006 Y = -421421 Z = 688336	21 27 18	LAT. = 23 22 20.0 LONG. = - 15 20 32.0 RAD. = 1735141.7	1.6 3.3 25.7
95097	X = 1541337 Y = -418615 Z = 678171	25 29 21	LAT. = 23 0 23.2 LONG. = - 15 11 40.5 RAD. = 1735186.8	1.9 3.5 29.4

TERRAIN POINTS ON MAP SHEET 40C (CONTINUED)

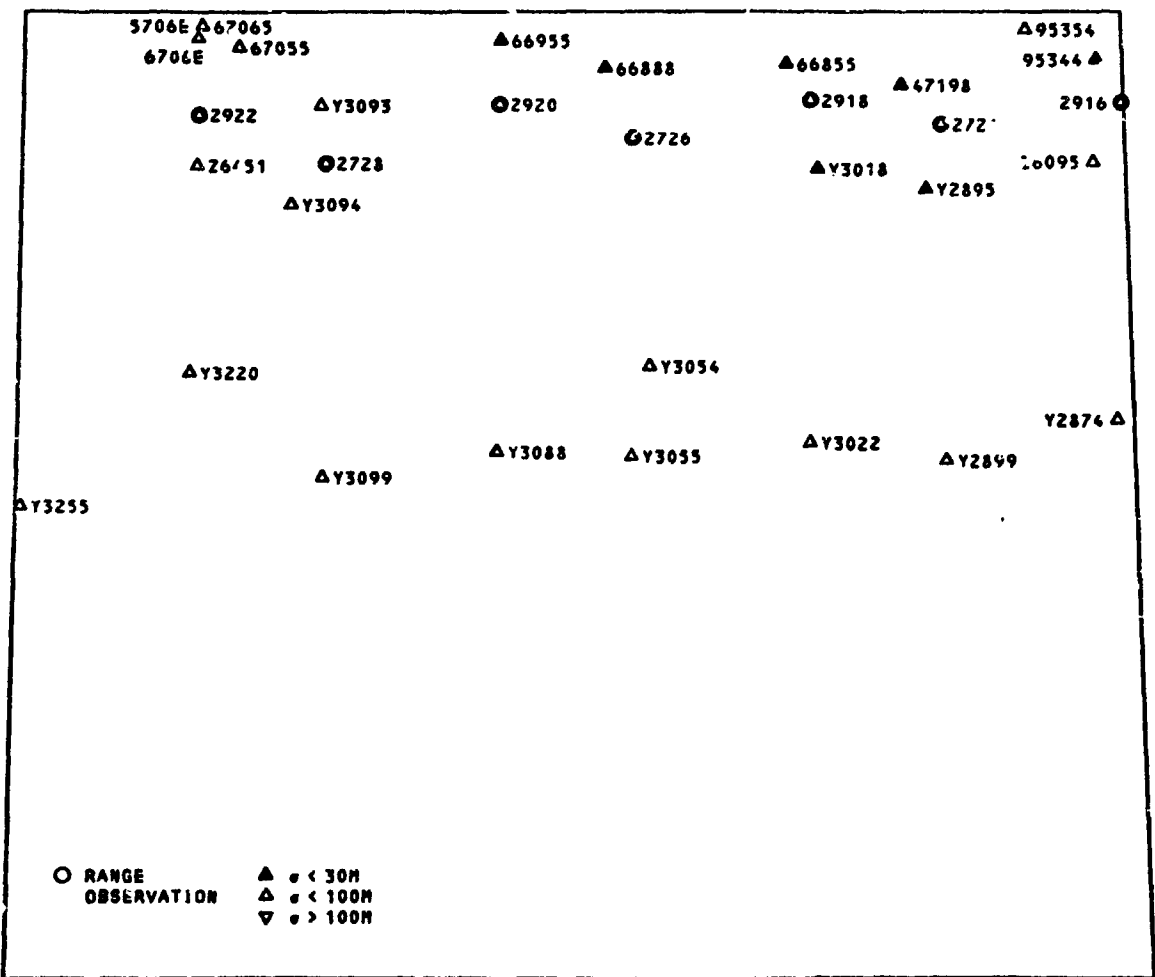
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
95144	X = 1552484	24	LAT. = 22 4 45.8	2.3
	Y = -418922	29	LONG. = - 15 6 3.7	3.5
	Z = 652272	24	RAD. = 1735269.5	29.4
Y2688	X = 1568869	22	LAT. = 20 32 59.9	1.9
	Y = -423377	28	LONG. = - 15 6 7.8	3.3
	Z = 609175	20	RAD. = 1735422.3	26.9
B695E	X = 1539711	23	LAT. = 23 44 22.7	2.0
	Y = -389655	28	LONG. = - 14 12 6.1	3.5
	Z = 698505	21	RAD. = 1735065.0	27.7
46955	X = 1542462	21	LAT. = 23 28 15.0	1.6
	Y = -392019	27	LONG. = - 14 15 35.6	3.3
	Z = 691040	18	RAD. = 1735051.3	25.7
25894	X = 1543864	24	LAT. = 23 11 17.2	1.6
	Y = -400412	28	LONG. = - 14 32 23.0	3.4
	Z = 683202	16	RAD. = 1735111.4	27.6
2912	X = 1545570	21	LAT. = 23 5 8.8	1.6
	Y = -398684	28	LONG. = - 14 27 51.5	3.4
	Z = 680353	15	RAD. = 1735112.5	24.1
E514C	X = 1550700	24	LAT. = 22 31 3.5	2.2
	Y = -405677	29	LONG. = - 14 39 38.0	3.5
	Z = 664515	24	RAD. = 1735172.8	29.7
95087	X = 1551315	22	LAT. = 22 29 36.3	1.4
	Y = -404544	27	LONG. = - 14 36 56.9	3.3
	Z = 663850	15	RAD. = 1735203.5	25.5
5507D	X = 1550620	27	LAT. = 23 20 6.3	3.3
	Y = -365513	30	LONG. = - 13 15 49.2	3.6
	Z = 687262	37	RAD. = 1735036.5	37.7
2718	X = 1551576	21	LAT. = 23 13 50.0	1.6
	Y = -367076	28	LONG. = - 13 18 37.7	3.4
	Z = 684070	15	RAD. = 1735077.8	23.8
95074	X = 1552977	22	LAT. = 23 10 23.3	1.4
	Y = -364169	27	LONG. = - 13 11 50.1	3.3
	Z = 682777	15	RAD. = 1735091.3	25.0
Y2655	X = 1579681	22	LAT. = 20 35 40.2	1.8
	Y = -378648	27	LONG. = - 13 28 46.0	3.3
	Z = 610404	19	RAD. = 1735326.9	26.6

TERRAIN POINTS ON MAP SHEET 40C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A6998	X = 1551223 Y = -334561 Z = 701607	21 27 15	LAT. = 23 51 5.4 LONG. = - 12 10 15.2 RAD. = 1735072.5	1.4 3.3 24.7
46922	X = 1553357 Y = -349402 Z = 689544	21 27 17	LAT. = 23 25 .2 LONG. = - 12 40 36.3 RAD. = 1735070.5	1.6 3.3 25.2
A6999	X = 1554873 Y = -344252 Z = 688841	22 27 18	LAT. = 23 23 26.6 LONG. = - 12 29 2.4 RAD. = 1735119.7	1.6 3.4 26.2
6505B	X = 1561302 Y = -343377 Z = 674664	23 28 24	LAT. = 22 52 52.4 LONG. = - 12 24 12.9 RAD. = 1735149.1	2.2 3.4 28.6
95055	X = 1576282 Y = -353671 Z = 633449	23 27 19	LAT. = 21 24 39.1 LONG. = - 12 38 45.7 RAD. = 1735225.3	1.8 3.3 26.9
Z5854	X = 1583991 Y = -339207 Z = 622059	23 27 19	LAT. = 21 0 26.2 LONG. = - 12 5 13.8 RAD. = 1735237.0	1.8 3.3 27.3
Y2623	X = 1588417 Y = -352149 Z = 603522	22 27 20	LAT. = 20 21 7.6 LONG. = - 12 30 .6 RAD. = 1735314.6	1.9 3.3 26.5
D5455	X = 1561831 Y = -312289 Z = 688298	24 28 24	LAT. = 23 22 16.9 LONG. = - 11 18 26.0 RAD. = 1735106.8	2.2 3.5 28.7
95040	X = 1558782 Y = -327936 Z = 687884	23 27 24	LAT. = 23 21 24.3 LONG. = 11 52 50.2 RAD. = 1735087.2	2.2 3.4 28.8
D510H	X = 1558978 Y = -328806 Z = 687106	28 29 40	LAT. = 23 19 41.9 LONG. = - 11 54 35.2 RAD. = 1735120.1	3.6 3.6 39.2
2910	X = 1564758 Y = -323337 Z = 676293	21 27 15	LAT. = 22 56 23.6 LONG. = - 11 41 27.3 RAD. = 1735130.1	1.6 3.4 33.0
95042	X = 1572162 Y = -327143 Z = 657459	22 27 16	LAT. = 22 15 54.3 LONG. = - 11 45 16.7 RAD. = 1735214.2	1.4 3.3 25.7

TERRAIN POINTS ON MAP SHEET 40C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E504C	X = 1575444 Y = -329811 Z = 648209	24 28 24	LAT. = 21 56 7.5 LONG. = - 11 49 25.7 RAD. = 1735215.6	2.2 3.5 29.2
8697F	X = 1556341 Y = -301957 Z = 705252	34 33 38	LAT. = 23 58 55.2 LONG. = - 10 58 47.8 RAD. = 1735153.1	3.2 4.5 41.8
A6955	X = 1566100 Y = -276578 Z = 593743	21 26 15	LAT. = 23 34 4.8 LONG. = - 10 0 35.2 RAD. = 1735062.7	1.4 3.2 24.0
95017	X = 1563332 Y = -294601 Z = 692759	21 26 14	LAT. = 23 31 53.2 LONG. = - 10 40 18.9 RAD. = 1735140.1	1.4 3.2 23.9
A501G	X = 1563134 Y = -294535 Z = 692469	27 29 32	LAT. = 23 31 31.4 LONG. = - 10 40 14.9 RAD. = 1734834.5	2.8 3.6 35.9
2716	X = 1568134 Y = -292556 Z = 682670	21 27 15	LAT. = 23 10 7.5 LONG. = - 10 34 4.0 RAD. = 1735128.8	1.5 3.3 23.3
95019	X = 1574369 Y = -296876 Z = 666462	22 26 15	LAT. = 22 35 12.4 LONG. = - 10 40 43.6 RAD. = 1735207.1	1.4 3.2 24.7
94899	X = 1594272 Y = -291488 Z = 619805	25 28 23	LAT. = 20 55 42.1 LONG. = - 10 21 40.3 RAD. = 1735173.6	2.2 3.4 29.2
Y2499	X = 1597830 Y = -303859 Z = 604648	22 27 19	LAT. = 20 23 34.4 LONG. = - 10 46 2.5 RAD. = 1735220.9	1.8 3.2 26.2



MAP SHEET 10D

TERRAIN POINTS ON MAP SHEET 40D

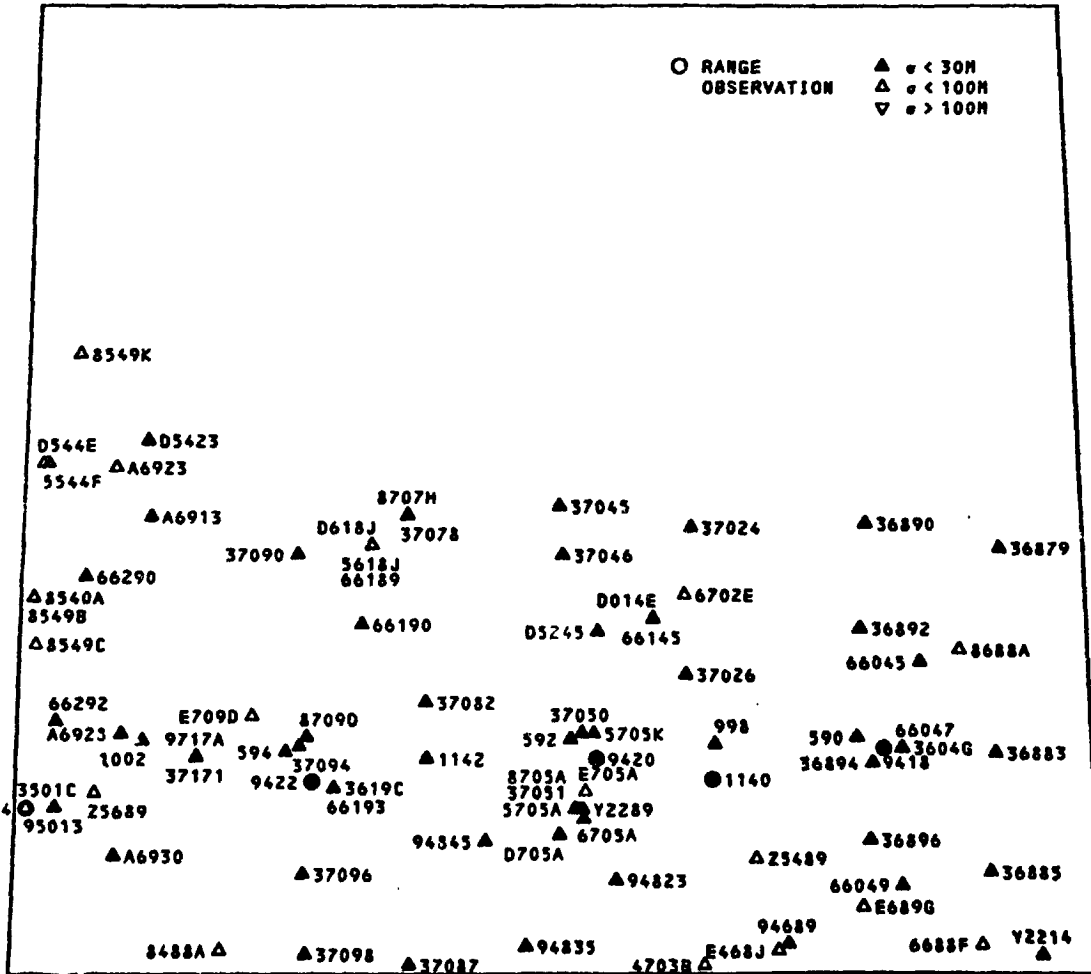
POINT NO.	CARTESIAN POSITION	STD CLV	SPHERICAL POSITION	STD DEV
Y3255	X = 1414423 Y = -815009 Z = 591359	24 32 22	LAT. = 19 54 47.7 LONG. = - 29 57 4.0 RAD. = 1736242.6	2.2 3.6 30.4
5706E	X = 1396240 Y = -754709 Z = 702967	24 31 21	LAT. = 23 53 20.4 LONG. = - 28 23 33.1 RAD. = 1735867.3	1.9 3.7 30.3
67065	X = 1396375 Y = -754682 Z = 702718	26 35 33	LAT. = 23 52 48.2 LONG. = - 28 23 21.7 RAD. = 1735863.1	2.8 3.9 39.1
6706E	X = 1397000 Y = -756057 Z = 700079	26 32 16	LAT. = 23 47 3.6 LONG. = - 28 25 20.2 RAD. = 1735397.9	1.7 3.7 30.4
67055	X = 1402706 Y = -747328 Z = 697839	24 31 22	LAT. = 23 42 17.0 LONG. = - 28 2 51.3 RAD. = 1735817.8	2.1 3.7 30.5
2922	X = 1403974 Y = -759424 Z = 682400	22 31 16	LAT. = 23 8 50.6 LONG. = - 28 24 33.9 RAD. = 1735954.1	1.7 3.7 27.0
26451	X = 1408171 Y = -762059 Z = 670732	25 31 17	LAT. = 22 43 44.8 LONG. = - 28 25 15.1 RAD. = 1735961.1	1.7 3.7 30.4
Y3220	X = 1424717 Y = -772312 Z = 622563	24 31 19	LAT. = 21 0 53.2 LONG. = - 28 27 40.6 RAD. = 1736050.1	1.8 3.5 29.6
Y3093	X = 1417508 Y = -731623 Z = 684466	26 31 16	LAT. = 23 13 24.2 LONG. = - 27 17 59.1 RAD. = 1735826.9	1.6 3.6 30.0
2728	X = 1423196 Y = -732996 Z = 671171	22 31 16	LAT. = 22 44 46.1 LONG. = - 27 15 .2 RAD. = 1735869.2	1.6 3.6 26.7
Y3094	X = 1422786 Y = -742453 Z = 661624	24 31 16	LAT. = 22 24 10.6 LONG. = - 27 33 24.9 RAD. = 1735887.2	1.6 3.6 29.2
Y3099	X = 1448801 Y = -746506 Z = 597913	24 31 22	LAT. = 20 8 45.7 LONG. = - 27 15 36.5 RAD. = 1736028.3	2.1 3.6 29.9

TERRAIN POINTS ON MAP SHEET 40D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
66955	X = 1431910 Y = -687891 Z = 699271	22 30 15	LAT. = 23 45 30.7 LONG. = - 25 39 34.8 RAD. = 1735666.5	1.4 3.5 26.5
2920	X = 1437505 Y = -691144 Z = 684612	22 31 16	LAT. = 23 13 47.5 LONG. = - 25 40 40.7 RAD. = 1735739.9	1.6 3.6 26.3
Y3088	X = 1466413 Y = -705757 Z = 603766	23 30 21	LAT. = 20 21 17.2 LONG. = - 25 42 2.3 RAD. = 1735797.8	2.0 3.5 28.9
66888	X = 1445623 Y = -665211 Z = 692947	22 29 15	LAT. = 23 31 50.8 LONG. = - 24 42 35.2 RAD. = 1735657.3	1.4 3.5 26.5
2726	X = 1454797 Y = -661764 Z = 676890	22 30 15	LAT. = 22 57 13.5 LONG. = - 24 27 36.1 RAD. = 1735668.6	1.6 3.6 26.1
Y3054	X = 1475868 Y = -667327 Z = 623824	23 30 19	LAT. = 21 3 49.6 LONG. = - 24 19 50.0 RAD. = 1735704.0	1.8 3.5 28.4
Y3055	X = 1481221 Y = -674914 Z = 602724	23 30 20	LAT. = 20 19 7.5 LONG. = - 24 29 46.4 RAD. = 1735742.2	1.9 3.4 28.4
66855	X = 1463695 Y = -622962 Z = 693913	22 29 15	LAT. = 23 34 3.7 LONG. = - 23 3 18.2 RAD. = 1735511.5	1.4 3.4 25.9
47198	X = 1476673 Y = -597031 Z = 689005	22 29 15	LAT. = 23 23 31.6 LONG. = - 22 0 50.0 RAD. = 1735435.6	1.4 3.4 25.8
2918	X = 1469350 Y = -618927 Z = 685494	22 30 15	LAT. = 23 15 53.8 LONG. = - 22 50 31.3 RAD. = 1735500.8	1.6 3.5 25.7
Y3018	X = 1476135 Y = -620219 Z = 669646	23 29 16	LAT. = 22 41 46.2 LONG. = - 22 47 25.4 RAD. = 1735532.4	1.5 3.5 28.2
Y3022	X = 1498274 Y = -632911 Z = 605831	23 29 20	LAT. = 20 25 46.1 LONG. = - 22 54 1.8 RAD. = 1735636.4	1.9 3.4 28.3

TERRAIN POINTS ON MAP SHEET 40D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2724	X = 1483912	21	LAT. = 23 4 .7	1.6
	Y = -589356	30	LONG. = - 21 39 40.3	3.5
	Z = 679943	15	RAD. = 1735412.8	25.4
Y2895	X = 1488217	23	LAT. = 22 31 47.8	1.5
	Y = -595711	29	LONG. = - 21 48 55.7	3.4
	Z = 664973	16	RAD. = 1735468.0	27.9
Y2899	X = 1512760	22	LAT. = 20 16 58.9	2.0
	Y = -601561	29	LONG. = - 21 41 8.2	3.4
	Z = 601660	20	RAD. = 1735601.3	28.0
95354	X = 1483090	25	LAT. = 23 51 8.2	2.1
	Y = -565383	30	LONG. = - 20 52 4.2	3.6
	Z = 701771	22	RAD. = 1735424.0	30.0
95344	X = 1492071	21	LAT. = 23 36 12.7	1.4
	Y = -550046	28	LONG. = - 20 14 10.4	3.4
	Z = 694871	15	RAD. = 1735416.8	25.4
2916	X = 1498184	21	LAT. = 23 14 59.3	1.6
	Y = -546017	29	LONG. = - 20 1 27.8	3.5
	Z = 685080	15	RAD. = 1735518.6	25.2
Z6095	X = 1500938	24	LAT. = 22 45 35.5	1.6
	Y = -555031	29	LONG. = - 20 17 37.9	3.5
	Z = 671374	17	RAD. = 1735401.2	28.5
Y2874	X = 1525075	23	LAT. = 20 37 20.5	1.9
	Y = -559756	29	LONG. = - 20 9 17.7	3.4
	Z = 611354	20	RAD. = 1735780.3	27.8



MAP SHEET 41A

TERRAIN POINTS ON MAP SHEET 41A

POINT NC.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
8549K	X = 1494790 Y = -250460 Z = 844308	30 28 16	LAT. = 29 7 14.8 LONG. = - 9 30 42.7 RAD. = 1734930.2	2.4 3.6 28.8
D544E	X = 1506137 Y = -260851 Z = 820339	29 28 16	LAT. = 28 13 16.8 LONG. = - 9 49 32.5 RAD. = 1734775.7	2.2 3.6 28.5
5544F	X = 1506459 Y = -259631 Z = 820277	28 27 16	LAT. = 28 13 4.1 LONG. = - 9 46 43.0 RAD. = 1734843.3	2.2 3.5 27.3
A6923	X = 1509938 Y = -242887 Z = 819387	29 26 15	LAT. = 28 10 52.6 LONG. = - 9 8 17.8 RAD. = 1735022.2	2.2 3.5 28.1
66290	X = 1521471 Y = -251637 Z = 795236	23 26 14	LAT. = 27 16 43.8 LONG. = - 9 23 28.2 RAD. = 1735106.3	1.6 3.4 24.7
8540A	X = 1521384 Y = -264918 Z = 790516	27 28 16	LAT. = 27 6 28.5 LONG. = - 9 52 40.3 RAD. = 1734850.4	1.8 3.5 28.9
8549B	X = 1521412 Y = -264938 Z = 790515	36 33 20	LAT. = 27 6 26.7 LONG. = - 9 52 42.3 RAD. = 1734877.8	1.9 3.9 40.7
8549C	X = 1526846 Y = -265012 Z = 780016	27 28 17	LAT. = 26 43 4.8 LONG. = - 9 50 47.8 RAD. = 1734910.9	1.7 3.5 28.9
66292	X = 1536425 Y = -260785 Z = 762902	22 26 13	LAT. = 26 5 1.2 LONG. = - 9 37 59.9 RAD. = 1735116.5	1.4 3.3 23.7
A6928	X = 1540603 Y = -244902 Z = 760103	22 26 14	LAT. = 25 58 41.7 LONG. = - 9 1 56.8 RAD. = 1735278.2	1.4 3.3 24.0
Z5689	X = 1545958 Y = -252072 Z = 746637	27 27 15	LAT. = 25 29 8.0 LONG. = - 9 15 38.6 RAD. = 1735221.4	2.0 3.4 26.7
3501C	X = 1545812 Y = -262292 Z = 743335	33 28 20	LAT. = 25 21 55.2 LONG. = - 9 37 48.7 RAD. = 1735188.6	1.7 3.7 35.9

TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
95013	X = 1545801 Y = -262302 Z = 743328	22 26 14	LAT. = 25 21 55.0 LONG. = - 9 37 50.2 RAD. = 1735177.2	1.4 3.3 24.7
9424	X = 1544600 Y = -269506 Z = 743055	22 27 17	LAT. = 25 21 23.6 LONG. = - 9 53 50.9 RAD. = 1735094.2	1.7 3.5 24.5
A6930	X = 1553412 Y = -248004 Z = 732423	21 26 13	LAT. = 24 57 59.5 LONG. = - 9 4 14.8 RAD. = 1735234.4	1.3 3.2 23.2
D5423	X = 1507987 Y = -234679 Z = 825353	23 26 14	LAT. = 28 24 18.1 LONG. = - 8 50 44.4 RAD. = 1735023.8	1.7 3.4 24.2
A6913	X = 1517003 Y = -234748 Z = 808447	25 26 14	LAT. = 27 46 25.6 LONG. = - 8 47 47.2 RAD. = 1734932.2	1.8 3.4 25.7
1002	X = 1542196 Y = -239685 Z = 758565	24 27 16	LAT. = 25 55 17.6 LONG. = - 8 50 2.9 RAD. = 1735291.9	1.6 3.4 26.5
9717A	X = 1546328 Y = -226362 Z = 755000	29 28 16	LAT. = 25 47 7.5 LONG. = - 8 19 41.5 RAD. = 1735624.9	2.2 3.5 28.7
37171	X = 1546381 Y = -226269 Z = 754968	23 26 15	LAT. = 25 47 2.0 LONG. = - 8 19 28.4 RAD. = 1735646.8	1.4 3.3 25.8
8488A	X = 1567331 Y = -222422 Z = 711208	25 27 21	LAT. = 24 11 34.4 LONG. = - 8 4 37.2 RAD. = 1735457.8	1.9 3.5 28.6
37090	X = 1526927 Y = -198482 Z = 800222	23 25 14	LAT. = 27 27 39.4 LONG. = - 7 24 22.5 RAD. = 1735297.0	1.5 3.3 23.8
E709D	X = 1543882 Y = -211819 Z = 764219	29 28 16	LAT. = 26 7 24.8 LONG. = - 7 48 43.8 RAD. = 1735646.5	2.2 3.5 28.8
8709D	X = 1548388 Y = -198526 Z = 759608	26 27 17	LAT. = 25 56 50.6 LONG. = - 7 18 22.6 RAD. = 1736065.5	1.7 3.5 28.4

TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
37094	X = 1548988 Y = -200411 Z = 757485	21 25 13	LAT. = 25 52 20.4 LONG. = - 7 22 19.5 RAD. = 1735889.6	1.3 3.2 22.8
594	X = 1548991 Y = -203797 Z = 756154	24 26 16	LAT. = 25 49 35.2 LONG. = - 7 29 42.8 RAD. = 1735706.3	1.6 3.4 26.2
9422	X = 1553026 Y = -197594 Z = 749383	21 26 15	LAT. = 25 34 44.9 LONG. = - 7 15 3.2 RAD. = 1735657.5	1.6 3.4 22.9
3619C	X = 1554322 Y = -192021 Z = 748005	32 27 20	LAT. = 25 31 46.8 LONG. = - 7 2 33.5 RAD. = 1735597.8	1.7 3.6 34.9
66193	X = 1554316 Y = -192089 Z = 747975	22 25 14	LAT. = 25 31 43.4 LONG. = - 7 2 42.4 RAD. = 1735587.6	1.3 3.2 23.7
37096	X = 1562509 Y = -200934 Z = 728553	21 25 15	LAT. = 24 49 7.6 LONG. = - 7 19 40.3 RAD. = 1735684.1	1.4 3.2 23.9
37098	X = 1570686 Y = -201088 Z = 710383	20 25 14	LAT. = 24 9 42.0 LONG. = - 7 17 44.3 RAD. = 1735550.3	1.3 3.2 22.8
8707H	X = 1525798 Y = -170288 Z = 809120	29 27 16	LAT. = 27 47 24.6 LONG. = - 6 22 5.5 RAD. = 1735434.4	2.1 3.5 28.4
37078	X = 1525890 Y = -170391 Z = 808964	22 25 13	LAT. = 27 47 2.5 LONG. = - 6 22 17.8 RAD. = 1735452.4	1.5 3.3 23.4
D618J	X = 1528134 Y = -179666 Z = 802309	29 28 16	LAT. = 27 32 20.6 LONG. = - 6 42 20.2 RAD. = 1735273.4	2.2 3.6 28.2
66189	X = 1528169 Y = -179682 Z = 802273	29 27 16	LAT. = 27 32 14.7 LONG. = - 6 42 21.8 RAD. = 1735288.9	2.3 3.5 27.5
5618J	X = 1528225 Y = -179670 Z = 802235	27 27 15	LAT. = 27 32 7.8 LONG. = - 6 42 19.3 RAD. = 1735319.9	2.0 3.5 26.9

TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
66190	X = 1537225 Y = -183268 Z = 784799	24 26 14	LAT. = 26 52 56.2 LONG. = - 6 47 55.4 RAD. = 1735672.4	1.5 3.3 24.9
37082	X = 1548485 Y = -168020 Z = 767650	22 25 13	LAT. = 26 14 10.9 LONG. = - 6 11 33.7 RAD. = 1736468.0	1.3 3.2 23.3
1142	X = 1554697 Y = -168313 Z = 755009	24 26 16	LAT. = 25 46 18.1 LONG. = - 6 10 43.8 RAD. = 1736505.0	1.6 3.4 26.3
37087	X = 1574907 Y = -174878 Z = 707889	20 25 13	LAT. = 24 4 19.1 LONG. = - 6 20 10.3 RAD. = 1735517.7	1.3 3.2 22.3
94845	X = 1564489 Y = -154454 Z = 736062	22 25 13	LAT. = 25 5 21.2 LONG. = - 5 38 17.7 RAD. = 1735877.0	1.4 3.2 23.0
94835	X = 1576279 Y = -145267 Z = 712219	23 26 15	LAT. = 24 13 27.7 LONG. = - 5 15 55.5 RAD. = 1735804.0	1.5 3.3 24.7
37045	X = 1528793 Y = -131844 Z = 811137	22 25 13	LAT. = 27 51 41.2 LONG. = - 4 55 44.5 RAD. = 1735665.1	1.5 3.3 23.0
37046	X = 1534616 Y = -131668 Z = 800288	22 25 13	LAT. = 27 27 20.0 LONG. = - 4 54 14.0 RAD. = 1735754.8	1.5 3.3 23.4
D014E	X = 1543872 Y = -109720 Z = 786456	45 27 18	LAT. = 26 56 10.2 LONG. = - 4 3 54.2 RAD. = 1736114.4	3.5 3.6 39.0
66145	X = 1544018 Y = -109720 Z = 786214	22 25 13	LAT. = 26 55 36.8 LONG. = - 4 3 52.9 RAD. = 1736134.8	1.4 3.2 22.7
D5245	X = 1545643 Y = -123745 Z = 784000	26 26 14	LAT. = 26 49 18.5 LONG. = - 4 34 38.6 RAD. = 1737521.0	1.9 3.3 26.1
37050	X = 1555158 Y = -128908 Z = 760688	21 25 14	LAT. = 25 59 15.7 LONG. = - 4 44 18.4 RAD. = 1736023.8	1.4 3.2 23.1

TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
5705K	X = 1555629 Y = -125886 Z = 760577	25 26 15	LAT. = 25 58 52.3 LONG. = - 4 37 35.3 RAD. = 1736175.8	1.7 3.4 26.5
592	X = 1555617 Y = -131723 Z = 759219	24 26 16	LAT. = 25 56 2.8 LONG. = - 4 50 24.1 RAD. = 1736003.3	1.6 3.4 25.8
9420	X = 1558868 Y = -125317 Z = 755091	21 26 16	LAT. = 25 46 20.9 LONG. = - 4 35 46.0 RAD. = 1736645.2	1.7 3.4 22.1
E705A	X = 1561989 Y = -128555 Z = 747667	29 28 16	LAT. = 25 30 12.6 LONG. = - 4 42 17.9 RAD. = 1736474.2	2.3 3.5 28.3
5705A	X = 1563217 Y = -131368 Z = 743519	25 26 16	LAT. = 25 21 33.2 LONG. = - 4 48 13.2 RAD. = 1736008.6	1.6 3.4 26.6
8705A	X = 1563316 Y = -130662 Z = 743465	25 26 17	LAT. = 25 21 25.4 LONG. = - 4 46 39.6 RAD. = 1736021.5	1.7 3.4 27.2
37051	X = 1563323 Y = -130632 Z = 743416	21 25 14	LAT. = 25 21 19.9 LONG. = - 4 46 35.7 RAD. = 1736004.5	1.4 3.2 23.4
Y2289	X = 1563385 Y = -129441 Z = 743398	26 26 15	LAT. = 25 21 19.9 LONG. = - 4 43 59.0 RAD. = 1735962.9	1.9 3.3 25.7
6705A	X = 1564460 Y = -129262 Z = 741258	26 26 16	LAT. = 25 16 36.4 LONG. = - 4 43 23.7 RAD. = 1736003.0	1.7 3.4 27.3
D705A	X = 1565746 Y = -135610 Z = 737624	26 26 16	LAT. = 25 8 33.8 LONG. = - 4 57 .2 RAD. = 1736098.9	1.7 3.4 27.8
94823	X = 1571485 Y = -121772 Z = 727297	21 25 13	LAT. = 24 46 11.3 LONG. = - 4 25 51.3 RAD. = 1735901.6	1.4 3.2 22.8
37024	X = 1533480 Y = -99034 Z = 806300	22 24 13	LAT. = 27 41 10.3 LONG. = - 3 41 42.3 RAD. = 1735363.6	1.5 3.2 22.7

TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
6702E	X = 1541714 Y = -101528 Z = 791587	29 27 17	LAT. = 27 7 39.8 LONG. = - 3 46 3.8 RAD. = 1736029.7	2.4 3.6 27.2
37026	X = 1550519 Y = -101971 Z = 773641	22 25 13	LAT. = 26 28 4.2 LONG. = - 3 45 45.7 RAD. = 1735807.0	1.4 3.2 23.0
998	X = 1558423 Y = -95304 Z = 757976	24 26 16	LAT. = 25 53 42.2 LONG. = - 3 29 58.2 RAD. = 1735595.9	1.6 3.3 25.8
1140	X = 1562499 Y = -96326 Z = 750146	20 26 15	LAT. = 25 36 10.8 LONG. = - 3 31 39.9 RAD. = 1735914.9	1.6 3.3 21.9
25489	X = 1571513 Y = -86019 Z = 732138	26 25 15	LAT. = 24 56 49.6 LONG. = - 3 7 58.9 RAD. = 1735821.5	2.0 3.3 25.6
4703B	X = 1581608 Y = -100345 Z = 707943	29 28 30	LAT. = 24 4 15.1 LONG. = - 3 37 48.9 RAD. = 1735723.1	2.5 3.7 35.5
36890	X = 1535004 Y = -54899 Z = 806912	22 24 13	LAT. = 27 42 52.8 LONG. = - 2 2 53.9 RAD. = 1735038.7	1.5 3.2 22.7
36892	X = 1547012 Y = -57354 Z = 783607	21 24 13	LAT. = 26 50 51.6 LONG. = - 2 7 23.6 RAD. = 1735100.9	1.4 3.2 22.4
590	X = 1559309 Y = -59269 Z = 759314	24 25 16	LAT. = 25 56 51.8 LONG. = - 2 10 36.3 RAD. = 1735371.8	1.6 3.3 25.5
36894	X = 1562262 Y = -55517 Z = 753528	21 24 13	LAT. = 25 44 7.2 LONG. = - 2 2 6.9 RAD. = 1735381.4	1.3 3.2 22.4
36896	X = 1570526 Y = -56976 Z = 736153	20 24 13	LAT. = 25 5 57.9 LONG. = - 2 4 39.7 RAD. = 1735430.5	1.3 3.1 21.9
E689G	X = 1577629 Y = -59491 Z = 721047	31 27 16	LAT. = 24 32 49.7 LONG. = - 2 9 34.3 RAD. = 1735615.7	2.3 3.5 29.3

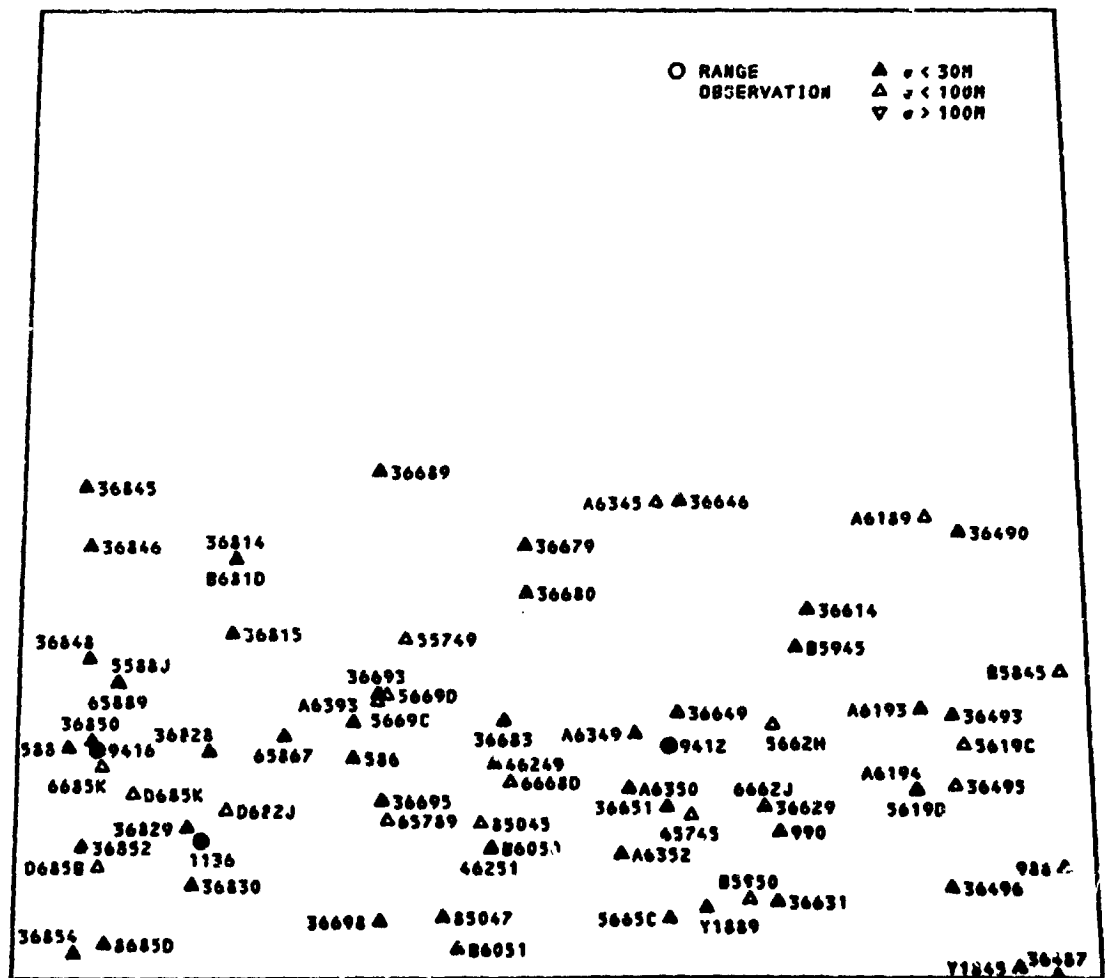
TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
94689	X = 1580643 Y = -78903 Z = 712687	21 24 14	LAT. = 24 14 35.3 LONG. = - 2 51 27.8 RAD. = 1735678.4	1.4 3.2 22.9
E468J	X = 1581170 Y = -81514 Z = 711090	30 27 16	LAT. = 24 11 10.2 LONG. = - 2 57 4.2 RAD. = 1735624.7	2.1 3.4 29.5
8688A	X = 1550274 Y = -32339 Z = 778944	28 26 15	LAT. = 26 40 21.0 LONG. = - 1 11 42.1 RAD. = 1735266.7	2.1 3.4 26.7
66045	X = 1551384 Y = -42563 Z = 776109	21 24 13	LAT. = 26 34 7.6 LONG. = - 1 34 17.6 RAD. = 1735208.4	1.4 3.2 22.2
66047	X = 1560887 Y = -47868 Z = 757027	22 24 13	LAT. = 25 51 45.8 LONG. = - 1 45 23.5 RAD. = 1735439.7	1.4 3.2 22.6
3604G	X = 1560866 Y = -47909 Z = 757001	32 27 20	LAT. = 25 51 44.0 LONG. = - 1 45 29.1 RAD. = 1735410.0	1.7 3.6 34.4
9418	X = 1560817 Y = -52606 Z = 756820	20 25 15	LAT. = 25 51 19.4 LONG. = - 1 55 49.4 RAD. = 1735423.0	1.6 3.3 21.6
66049	X = 1575598 Y = -49279 Z = 725876	20 24 13	LAT. = 24 43 29.4 LONG. = - 1 47 29.1 RAD. = 1735463.9	1.3 3.1 21.6
6688F	X = 1582199 Y = -29926 Z = 712402	37 27 20	LAT. = 24 14 10.8 LONG. = - 1 5 .9 RAD. = 1735443.6	1.8 3.5 39.5
35879	X = 1538796 Y = -21194 Z = 801627	23 24 13	LAT. = 27 30 53.2 LONG. = - 0 47 20.7 RAD. = 1735208.2	1.6 3.2 23.0
36883	X = 1561917 Y = -24240 Z = 755936	22 24 13	LAT. = 25 49 24.1 LONG. = - 0 53 20.8 RAD. = 1735399.3	1.4 3.1 22.8
36885	X = 1574657 Y = -26879 Z = 728914	21 24 15	LAT. = 24 50 11.0 LONG. = - 0 58 40.6 RAD. = 1735391.3	1.4 3.1 23.2

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TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y2214	X = 1584038 Y = -14687 Z = 710474	24 24 14	LAT. = 24 9 22.7 LONG. = - 0 31 52.5 RAD. = 1736135.5	1.6 3.1 24.2



MAP SHEET 41B

TERRAIN POINTS ON MAP SHEET 41B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
36845	X = 1531547	23	LAT. = 28 3 38.9	1.7
	Y = 15588	24	LONG. = 0 34 59.3	3.2
	Z = 816466	14	RAD. = 1735654.7	22.7
36846	X = 1538007	22	LAT. = 27 34 26.5	1.6
	Y = 17312	24	LONG. = 0 38 41.7	3.2
	Z = 803213	13	RAD. = 1735199.0	22.5
36848	X = 1550879	21	LAT. = 26 38 32.7	1.4
	Y = 17792	24	LONG. = 0 39 26.2	3.1
	Z = 778110	13	RAD. = 1735222.7	21.9
5588J	X = 1553481	27	LAT. = 26 26 40.9	1.9
	Y = 25137	25	LONG. = 0 55 37.3	3.3
	Z = 772767	15	RAD. = 1735253.0	26.1
65889	X = 1553536	24	LAT. = 26 26 29.2	1.5
	Y = 25220	24	LONG. = 0 55 48.1	3.2
	Z = 772685	14	RAD. = 1735267.5	25.2
36850	X = 1560081	21	LAT. = 25 57 47.0	1.4
	Y = 18910	24	LONG. = 0 41 40.0	3.1
	Z = 759713	13	RAD. = 1735331.1	22.0
588	X = 1560941	24	LAT. = 25 54 17.8	1.6
	Y = 13019	25	LONG. = 0 28 40.3	3.3
	Z = 758145	16	RAD. = 1735364.6	25.2
9416	X = 1561157	20	LAT. = 25 53 31.9	1.6
	Y = 20223	25	LONG. = 0 44 31.8	3.3
	Z = 757858	15	RAD. = 1735502.2	21.2
6685K	X = 1562848	29	LAT. = 25 44 53.3	2.0
	Y = 21568	25	LONG. = 0 47 26.4	3.3
	Z = 753838	15	RAD. = 1735290.1	27.5
36852	X = 1571632	20	LAT. = 25 5 .3	1.3
	Y = 16983	23	LONG. = 0 37 8.8	3.1
	Z = 735695	13	RAD. = 1735385.6	21.4
D685B	X = 1573697	29	LAT. = 24 55 15.2	2.0
	Y = 21161	26	LONG. = 0 46 13.4	3.4
	Z = 731250	15	RAD. = 1735424.2	28.3
8685D	X = 1581706	26	LAT. = 24 17 8.4	1.7
	Y = 23148	25	LONG. = 0 50 18.4	3.3
	Z = 713768	16	RAD. = 1735452.5	26.7

TERRAIN POINTS ON MAP SHEET 41B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
36854	X = 1582689	20	LAT. = 24 12 24.2	1.3
	Y = 15501	23	LONG. = 0 33 40.1	3.1
	Z = 711546	13	RAD. = 1735350.6	21.4
36815	X = 1547242	22	LAT. = 26 50 54.4	1.5
	Y = 53720	23	LONG. = 1 59 18.6	3.1
	Z = 783683	13	RAD. = 1735224.2	22.6
36828	X = 1560619	21	LAT. = 25 52 13.0	1.4
	Y = 48657	23	LONG. = 1 47 8.9	3.1
	Z = 757164	13	RAD. = 1735280.1	21.9
D685K	X = 1565877	30	LAT. = 25 31 19.7	2.2
	Y = 29586	26	LONG. = 1 4 56.7	3.4
	Z = 747761	16	RAD. = 1735509.1	28.2
D682J	X = 1567479	46	LAT. = 25 22 57.6	3.5
	Y = 53326	26	LONG. = 1 56 54.5	3.5
	Z = 744142	19	RAD. = 1735966.9	40.1
36829	X = 1569060	21	LAT. = 25 14 23.5	1.3
	Y = 43372	23	LONG. = 1 35 .1	3.1
	Z = 739960	13	RAD. = 1735330.0	21.7
1136	X = 1570561	20	LAT. = 25 7 58.8	1.6
	Y = 47091	25	LONG. = 1 43 2.7	3.2
	Z = 737139	15	RAD. = 1735584.0	21.2
36830	X = 1574900	21	LAT. = 24 46 4.2	1.4
	Y = 44953	23	LONG. = 1 38 5.9	3.1
	Z = 726929	14	RAD. = 1735152.8	22.2
36814	X = 1538742	29	LAT. = 27 27 51.5	2.0
	Y = 54238	24	LONG. = 2 1 7.5	3.3
	Z = 800297	14	RAD. = 1735264.7	27.6
B681D	X = 1538779	27	LAT. = 27 27 47.0	2.1
	Y = 54216	25	LONG. = 2 1 4.4	3.3
	Z = 800274	15	RAD. = 1735286.5	25.6
65867	X = 1558266	22	LAT. = 25 59 47.1	1.4
	Y = 67672	23	LONG. = 2 29 12.0	3.1
	Z = 760613	13	RAD. = 1735311.4	22.5
36689	X = 1526881	24	LAT. = 28 11 15.0	1.8
	Y = 90034	23	LONG. = 3 22 28.5	3.2
	Z = 819699	14	RAD. = 1735332.4	22.8

TERRAIN POINTS ON MAP SHEET 41B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
55749	X = 1545821 Y = 97804 Z = 782437	29 24 16	LAT. = 26 48 2.7 LONG. = 3 37 13.0 RAD. = 1735320.1	2.2 3.3 26.4
36693	X = 1552402 Y = 91065 Z = 770182	23 23 14	LAT. = 26 20 52.4 LONG. = 3 21 25.8 RAD. = 1735345.7	1.5 3.1 23.3
56690	X = 1552358 Y = 93353 Z = 769910	43 28 17	LAT. = 26 20 18.6 LONG. = 3 26 29.0 RAD. = 1735307.5	3.1 3.6 38.5
5669C	X = 1555972 Y = 91195 Z = 769937	39 27 16	LAT. = 26 17 18.3 LONG. = 3 21 15.3 RAD. = 1738438.5	2.6 3.7 35.8
A6393	X = 1555888 Y = 85130 Z = 763764	24 24 16	LAT. = 26 6 42.9 LONG. = 3 7 54.5 RAD. = 1735330.4	1.6 3.3 25.4
586	X = 1559802 Y = 85202 Z = 755713	24 24 16	LAT. = 25 48 59.0 LONG. = 3 7 35.7 RAD. = 1735322.9	1.6 3.2 25.4
36695	X = 1565343 Y = 92795 Z = 746701	22 23 14	LAT. = 25 27 47.0 LONG. = 3 23 33.3 RAD. = 1736799.1	1.4 3.1 23.2
65789	X = 1568263 Y = 94403 Z = 742773	42 27 16	LAT. = 25 18 12.5 LONG. = 3 26 41.3 RAD. = 1737835.2	2.6 3.7 38.0
85047	X = 1577211 Y = 109086 Z = 720620	24 23 13	LAT. = 24 30 13.7 LONG. = 3 57 23.4 RAD. = 1737466.0	1.6 3.1 23.3
36698	X = 1580798 Y = 93281 Z = 720666	21 23 14	LAT. = 24 28 12.3 LONG. = 3 22 37.3 RAD. = 1739822.1	1.4 3.0 21.7
36679	X = 1534292 Y = 127295 Z = 804046	24 23 14	LAT. = 27 34 33.9 LONG. = 4 44 33.9 RAD. = 1736878.1	1.7 3.1 23.3
36680	X = 1538251 Y = 127849 Z = 792671	23 23 13	LAT. = 27 10 55.7 LONG. = 4 45 4.0 RAD. = 1735191.6	1.6 3.1 22.2

TERRAIN POINTS ON MAP SHEET 41B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
36683	X = 1556353	22	LAT. = 26 7 36.6	1.4
	Y = 123438	23	LONG. = 4 32 5.1	3.1
	Z = 765750	14	RAD. = 1738920.8	22.0
46249	X = 1560864	24	LAT. = 25 46 12.6	1.6
	Y = 121209	24	LONG. = 4 26 25.4	3.2
	Z = 755818	15	RAD. = 1738461.4	24.8
6668D	X = 1561808	44	LAT. = 25 37 5.9	3.4
	Y = 125276	25	LONG. = 4 35 9.6	3.3
	Z = 751312	18	RAD. = 1737644.7	38.2
85045	X = 1566591	28	LAT. = 25 16 42.5	2.1
	Y = 118086	24	LONG. = 4 18 38.4	3.3
	Z = 741903	15	RAD. = 1737403.8	26.1
R6050	X = 1568663	25	LAT. = 25 4 40.7	1.6
	Y = 120930	24	LONG. = 4 24 29.8	3.2
	Z = 736258	16	RAD. = 1737067.1	25.5
46251	X = 1568804	31	LAT. = 25 3 55.6	1.8
	Y = 120824	28	LONG. = 4 24 14.5	3.6
	Z = 735901	21	RAD. = 1737036.0	35.2
B6051	X = 1580408	24	LAT. = 24 14 36.4	1.6
	Y = 113002	24	LONG. = 4 5 23.3	3.2
	Z = 713522	17	RAD. = 1737691.2	25.5
A6345	X = 1524318	27	LAT. = 27 55 50.8	2.1
	Y = 159968	24	LONG. = 5 59 27.4	3.3
	Z = 812571	15	RAD. = 1734764.5	25.2
A6349	X = 1553260	23	LAT. = 26 0 57.6	1.5
	Y = 156521	23	LONG. = 5 45 15.2	3.1
	Z = 761952	14	RAD. = 1737149.1	23.8
A6350	X = 1559325	22	LAT. = 25 33 51.7	1.4
	Y = 155370	23	LONG. = 5 41 24.5	3.1
	Z = 749605	14	RAD. = 1737108.0	23.1
A6352	X = 1565867	23	LAT. = 25 1 13.5	1.5
	Y = 153860	23	LONG. = 5 36 42.4	3.1
	Z = 734375	15	RAD. = 1736351.8	23.7
36646	X = 1523559	27	LAT. = 27 56 37.2	2.0
	Y = 1658 3	24	LONG. = 6 12 40.3	3.3
	Z = 812943	15	RAD. = 1734820.9	25.0

TERRAIN POINTS ON MAP SHEET 41B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
36649	X = 1549718 Y = 167072 Z = 766637	24 24 16	LAT. = 26 11 24.0 LONG. = 6 9 11.5 RAD. = 1737029.8	1.6 3.2 24.6
9412	X = 1553673 Y = 165237 Z = 759347	20 24 15	LAT. = 25 55 11.4 LONG. = 6 4 14.7 RAD. = 1737185.0	1.6 3.2 20.6
6662J	X = 1556683 Y = 189824 Z = 745155	46 25 19	LAT. = 25 24 55.0 LONG. = 6 57 8.6 RAD. = 1736246.6	3.7 3.3 38.7
36629	X = 1556822 Y = 189797 Z = 745155	22 22 14	LAT. = 25 24 48.0 LONG. = 6 57 2.9 RAD. = 1736368.1	1.4 3.0 22.7
36651	X = 1560234 Y = 165213 Z = 745352	23 24 17	LAT. = 25 24 38.2 LONG. = 6 2 40.3 RAD. = 1737001.1	1.6 3.2 24.6
65745	X = 1560404 Y = 171396 Z = 743462	29 24 16	LAT. = 25 20 33.1 LONG. = 6 16 5.9 RAD. = 1736943.2	2.2 3.2 26.2
B5950	X = 1566880 Y = 186681 Z = 723997	35 28 19	LAT. = 24 38 47.4 LONG. = 6 47 39.5 RAD. = 1736125.9	1.8 3.6 37.1
Y1839	X = 1569094 Y = 175837 Z = 722077	26 23 15	LAT. = 24 34 32.9 LONG. = 6 23 38.6 RAD. = 1736194.1	2.0 3.1 24.3
5665C	X = 1571345 Y = 166587 Z = 719722	26 24 16	LAT. = 24 29 17.4 LONG. = 6 3 5.9 RAD. = 1736340.2	1.7 3.2 26.1
36614	X = 1532363 Y = 198922 Z = 788839	22 22 14	LAT. = 27 2 39.9 LONG. = 7 23 47.1 RAD. = 1734927.6	1.6 3.1 21.8
B5945	X = 1538198 Y = 196416 Z = 781016	28 23 15	LAT. = 26 43 56.9 LONG. = 7 16 36.7 RAD. = 1736265.1	2.1 3.2 25.4
5662H	X = 1548082 Y = 191276 Z = 763940	43 25 17	LAT. = 26 5 36.1 LONG. = 7 2 36.9 RAD. = 1736879.0	3.2 3.3 37.3

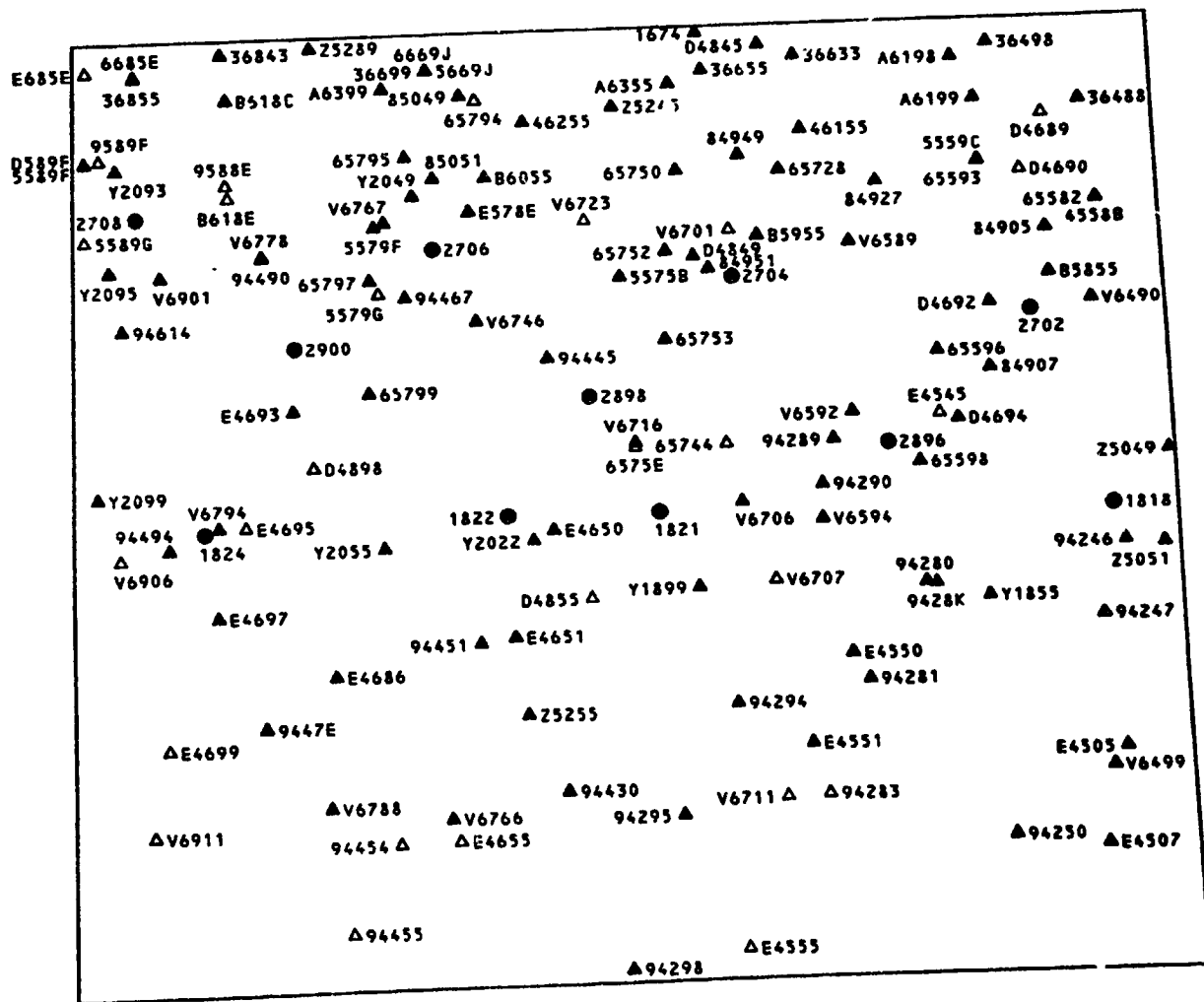
TERRAIN POINTS ON MAP SHEET 41B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
990	X = 1558572 Y = 193740 Z = 739210	24 24 16	LAT. = 25 12 16.9 LONG. = 7 5 9.1 RAD. = 1735832.0	1.6 3.2 24.8
36631	X = 1566145 Y = 193715 Z = 723419	20 22 13	LAT. = 24 37 39.1 LONG. = 7 3 3.7 RAD. = 1735993.0	1.4 3.0 20.8
A6189	X = 1517408 Y = 227725 Z = 809174	27 23 15	LAT. = 27 48 18.6 LONG. = 8 32 5.8 RAD. = 1734690.0	2.2 3.2 25.0
36490	X = 1517923 Y = 236358 Z = 805872	25 23 14	LAT. = 27 40 50.7 LONG. = 8 51 1.9 RAD. = 1734757.8	1.9 3.1 23.4
A6193	X = 1539499 Y = 228057 Z = 766354	24 23 14	LAT. = 26 12 59.8 LONG. = 8 25 34.9 RAD. = 1734752.3	1.6 3.1 23.8
36493	X = 1538901 Y = 236199 Z = 765024	24 23 16	LAT. = 26 10 5.2 LONG. = 8 43 33.6 RAD. = 1734724.0	1.7 3.2 24.7
5619C	X = 1541710 Y = 239453 Z = 758314	29 23 16	LAT. = 25 55 17.4 LONG. = 8 49 42.4 RAD. = 1734718.3	2.2 3.2 26.1
36495	X = 1546535 Y = 237504 Z = 749102	33 25 22	LAT. = 25 34 59.9 LONG. = 8 43 50.8 RAD. = 1734742.8	1.8 3.5 35.3
A6194	X = 1548461 Y = 227796 Z = 748103	23 22 14	LAT. = 25 32 49.1 LONG. = 8 22 7.8 RAD. = 1734728.0	1.5 3.0 22.9
5619D	X = 1548515 Y = 227841 Z = 748113	28 24 15	LAT. = 25 32 47.2 LONG. = 8 22 12.6 RAD. = 1734786.5	2.1 3.2 26.1
36496	X = 1557534 Y = 237372 Z = 726082	21 23 14	LAT. = 24 44 33.8 LONG. = 8 39 55.3 RAD. = 1734777.6	1.5 3.0 21.3
B5845	X = 1529602 Y = 262763 Z = 774772	28 23 15	LAT. = 26 31 43.2 LONG. = 9 44 50.7 RAD. = 1734646.7	2.2 3.2 25.5

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TERRAIN POINTS ON MAP SHEET 41B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
988	X = 1550721	24	LAT. = 24 54 37.3	1.6
	Y = 265294	23	LONG. = 9 42 29.0	3.1
	Z = 730624	16	RAD. = 1734626.3	25.0
Y1845	X = 1563094	26	LAT. = 24 5 10.9	2.0
	Y = 254542	23	LONG. = 9 14 56.9	3.1
	Z = 707964	15	RAD. = 1734724.2	24.2
36487	X = 1562302	20	LAT. = 24 0 59.5	1.3
	Y = 264145	21	LONG. = 9 35 47.4	2.9
	Z = 706001	13	RAD. = 1734646.5	20.0



○ RANGE
OBSERVATION
▲ < 30M
△ < 100M
▽ > 100M

MAP SHEET 41C

TERRAIN POINTS ON MAP SHEET 41C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E685E	X = 1588333	31	LAT. = 23 45 32.6	2.4
	Y = 3226	26	LONG. = 0 6 58.9	3.4
	Z = 699184	17	RAD. = 1735416.4	29.1
6685E	X = 1588813	26	LAT. = 23 42 47.0	1.6
	Y = 15599	25	LONG. = 0 33 45.0	3.3
	Z = 697906	17	RAD. = 1735408.0	27.5
36855	X = 1588973	20	LAT. = 23 42 9.7	1.3
	Y = 15578	23	LONG. = 0 33 42.1	3.0
	Z = 697633	13	RAD. = 1735444.6	21.2
9589F	X = 1597571	47	LAT. = 23 1 10.2	3.5
	Y = 6753	27	LONG. = 0 14 31.8	3.5
	Z = 678777	19	RAD. = 1735303.8	40.9
D589F	X = 1597122	27	LAT. = 22 59 47.7	1.7
	Y = 2976	26	LONG. = 0 6 24.3	3.3
	Z = 677827	17	RAD. = 1735009.6	28.5
5589F	X = 1597131	23	LAT. = 22 59 46.9	1.9
	Y = 2972	25	LONG. = 0 6 23.8	3.2
	Z = 677823	20	RAD. = 1735016.1	26.3
Y2093	X = 1598882	23	LAT. = 22 55 53.5	1.4
	Y = 10977	24	LONG. = 0 23 36.1	3.1
	Z = 676448	14	RAD. = 1736123.6	23.8
2708	X = 1604810	20	LAT. = 22 31 33.2	1.5
	Y = 16216	24	LONG. = 0 34 44.2	3.1
	Z = 665618	14	RAD. = 1737448.3	21.3
5589G	X = 1605538	23	LAT. = 22 20 24.6	2.1
	Y = 2929	25	LONG. = 0 6 16.3	3.2
	Z = 659795	22	RAD. = 1735825.2	26.1
Y2095	X = 1610976	23	LAT. = 22 4 38.8	1.5
	Y = 9378	24	LONG. = 0 20 .7	3.1
	Z = 653422	15	RAD. = 1738474.4	24.5
V6901	X = 1612686	25	LAT. = 22 1 12.0	1.6
	Y = 22558	24	LONG. = 0 48 5.1	3.1
	Z = 652287	14	RAD. = 1739754.1	25.1
94614	X = 1616962	22	LAT. = 21 34 59.7	1.4
	Y = 12634	24	LONG. = 0 26 51.6	3.1
	Z = 639674	14	RAD. = 1738938.8	22.9

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y2099	X = 1630707 Y = 6223 Z = 599326	22 24 17	LAT. = 20 10 46.3 LONG. = 0 13 7.1 RAD. = 1737364.1	1.6 3.0 23.9
94494	X = 1636251 Y = 24663 Z = 586926	22 24 16	LAT. = 19 43 51.3 LONG. = 0 51 48.8 RAD. = 1738507.5	1.6 3.0 23.7
V6906	X = 1635955 Y = 12025 Z = 584424	29 25 17	LAT. = 19 39 29.3 LONG. = 0 25 16.1 RAD. = 1737251.9	1.5 3.2 31.3
E4699	X = 1651220 Y = 24236 Z = 538216	24 26 22	LAT. = 18 3 5.8 LONG. = 0 50 27.3 RAD. = 1736891.1	2.2 3.2 27.3
V6911	X = 1657513 Y = 20440 Z = 517234	27 25 28	LAT. = 17 19 46.2 LONG. = 0 42 23.5 RAD. = 1736461.5	2.6 3.2 31.6
36843	X = 1586163 Y = 38189 Z = 702443	20 23 13	LAT. = 23 52 49.3 LONG. = 1 22 45.1 RAD. = 1735165.0	1.3 3.0 21.5
B618C	X = 1594623 Y = 39586 Z = 693469	22 25 19	LAT. = 23 29 48.4 LONG. = 1 25 19.4 RAD. = 1739336.0	1.8 3.2 25.2
9588E	X = 1602255 Y = 39566 Z = 673117	45 30 19	LAT. = 22 46 52.8 LONG. = 1 24 52.5 RAD. = 1738354.1	3.3 3.9 39.6
B618E	X = 1602572 Y = 40082 Z = 669728	22 25 22	LAT. = 22 40 26.7 LONG. = 1 25 57.8 RAD. = 1737347.9	2.1 3.2 25.5
V6778	X = 1607843 Y = 48840 Z = 655580	27 24 15	LAT. = 22 10 24.3 LONG. = 1 44 23.7 RAD. = 1737046.5	2.0 3.1 26.3
94490	X = 1607962 Y = 48836 Z = 655258	22 24 14	LAT. = 22 9 43.5 LONG. = 1 44 22.7 RAD. = 1737035.2	1.4 3.0 22.8
V6794	X = 1633305 Y = 37593 Z = 591649	22 24 15	LAT. = 19 54 27.2 LONG. = 1 19 6.6 RAD. = 1737569.0	1.4 3.0 23.2

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E4695	X = 1633074 Y = 44525 Z = 591537	37 30 20	LAT. = 19 54 17.1 LONG. = 1 33 42.3 RAD. = 1737478.3	1.8 3.7 39.7
1824	X = 1633676 Y = 33914 Z = 590457	21 25 15	LAT. = 19 52 2.4 LONG. = 1 11 21.3 RAD. = 1737436.8	1.6 3.2 22.2
E4697	X = 1639951 Y = 37264 Z = 569840	21 24 16	LAT. = 19 9 23.0 LONG. = 1 18 6.1 RAD. = 1736532.4	1.5 3.0 23.2
9447E	X = 1648763 Y = 49374 Z = 542732	24 24 19	LAT. = 18 12 45.5 LONG. = 1 42 55.0 RAD. = 1736494.6	1.8 3.0 26.2
Z5289	X = 1585772 Y = 61279 Z = 703525	26 24 15	LAT. = 23 54 30.8 LONG. = 2 12 46.7 RAD. = 1735907.6	1.9 3.2 24.9
A6399	X = 1589645 Y = 79939 Z = 633651	22 24 21	LAT. = 23 32 52.1 LONG. = 2 52 43.7 RAD. = 1736235.5	2.0 3.2 25.3
V6767	X = 1603716 Y = 30412 Z = 662667	24 23 13	LAT. = 22 25 31.4 LONG. = 2 52 13.7 RAD. = 1737095.0	1.6 3.0 24.0
5579F	X = 1604149 Y = 77917 Z = 661680	23 25 21	LAT. = 22 23 29.0 LONG. = 2 46 50.8 RAD. = 1737005.0	2.0 3.2 26.3
65797	X = 1609022 Y = 76776 Z = 648988	21 23 14	LAT. = 21 56 37.5 LONG. = 2 43 54.6 RAD. = 1736672.9	1.4 3.0 22.0
5579G	X = 1610193 Y = 79042 Z = 645863	23 25 23	LAT. = 21 49 56.5 LONG. = 2 48 37.2 RAD. = 1736695.0	2.2 3.2 26.3
2900	X = 1616360 Y = 57235 Z = 633813	21 25 15	LAT. = 21 23 56.9 LONG. = 2 1 40.8 RAD. = 1737128.0	1.6 3.2 21.3
65799	X = 1619275 Y = 76542 Z = 622301	21 24 18	LAT. = 21 0 2.9 LONG. = 2 42 22.7 RAD. = 1736424.1	1.7 3.0 23.5

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E4693	X = 1622433 Y = 56739 Z = 618914	22 24 14	LAT. = 20 52 7.8 LONG. = 2 0 10.5 RAD. = 1737401.7	1.4 3.0 23.0
D4898	X = 1626722 Y = 62093 Z = 605052	24 25 21	LAT. = 20 23 19.8 LONG. = 2 11 9.4 RAD. = 1736711.4	2.0 3.2 27.1
Y2055	X = 1633324 Y = 80272 Z = 585387	21 23 14	LAT. = 19 41 45.0 LONG. = 2 48 49.1 RAD. = 1736914.0	1.4 2.9 22.0
E4686	X = 1644241 Y = 67521 Z = 554899	24 24 21	LAT. = 18 38 2.1 LONG. = 2 21 5.5 RAD. = 1736663.3	2.0 3.1 27.7
V6788	X = 1654476 Y = 65990 Z = 523156	23 24 21	LAT. = 17 32 3.2 LONG. = 2 17 2.7 RAD. = 1736472.8	2.0 3.0 26.2
94454	X = 1656576 Y = 83776 Z = 513952	25 25 21	LAT. = 17 12 56.8 LONG. = 2 53 42.3 RAD. = 1736493.4	2.0 3.1 28.0
94455	X = 1663274 Y = 71262 Z = 492402	25 26 23	LAT. = 16 28 36.3 LONG. = 2 27 11.9 RAD. = 1736092.6	2.3 3.2 28.1
6669J	X = 1587354 Y = 91252 Z = 697772	26 24 16	LAT. = 23 41 40.7 LONG. = 3 17 24.5 RAD. = 1736348.4	1.6 3.2 26.6
5669J	X = 1587448 Y = 91227 Z = 697793	24 24 18	LAT. = 23 41 38.4 LONG. = 3 17 20.6 RAD. = 1736441.3	1.7 3.2 26.3
36699	X = 1587401 Y = 91245 Z = 697767	21 23 17	LAT. = 23 41 37.8 LONG. = 3 17 23.2 RAD. = 1736388.8	1.6 3.1 23.3
85049	X = 1590397 Y = 100069 Z = 692019	21 23 13	LAT. = 23 28 25.0 LONG. = 3 36 1.2 RAD. = 1737315.8	1.4 3.0 21.7
65794	X = 1590986 Y = 104004 Z = 690933	36 26 19	LAT. = 23 25 47.0 LONG. = 3 44 24.6 RAD. = 1737654.5	1.8 3.4 38.3

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
65795	X = 1596865 Y = 85813 Z = 677914	20 23 14	LAT. = 22 58 22.3 LONG. = 3 4 33.7 RAD. = 1736925.5	1.4 3.0 21.3
85051	X = 1599053 Y = 93161 Z = 672950	25 24 17	LAT. = 22 47 19.5 LONG. = 3 20 3.5 RAD. = 1737386.3	1.6 3.2 26.1
B6055	X = 1599019 Y = 106554 Z = 673034	22 24 21	LAT. = 22 46 51.9 LONG. = 3 48 44.7 RAD. = 1738156.8	1.9 3.1 25.4
Y2049	X = 1601161 Y = 87900 Z = 668942	24 24 14	LAT. = 22 38 37.8 LONG. = 3 8 32.1 RAD. = 1737505.8	1.5 3.1 24.3
E578E	X = 1601961 Y = 102416 Z = 664879	28 24 14	LAT. = 22 29 56.7 LONG. = 3 39 29.0 RAD. = 1737478.2	1.8 3.1 26.9
2706	X = 1605579 Y = 93162 Z = 656196	20 24 14	LAT. = 22 11 45.6 LONG. = 3 19 14.9 RAD. = 1736996.6	1.5 3.1 20.9
94467	X = 1610181 Y = 85904 Z = 644781	21 23 13	LAT. = 21 47 42.2 LONG. = 3 3 13.9 RAD. = 1736607.1	1.3 3.0 21.6
V6746	X = 1611525 Y = 104256 Z = 638693	27 24 14	LAT. = 21 34 44.0 LONG. = 3 42 5.5 RAD. = 1736608.9	1.7 3.1 25.9
1822	X = 1628852 Y = 112129 Z = 592451	21 24 15	LAT. = 19 56 38.5 LONG. = 3 56 16.7 RAD. = 1736874.1	1.6 3.1 21.2
E4651	X = 1638768 Y = 113802 Z = 563093	21 23 15	LAT. = 18 55 14.9 LONG. = 3 58 20.8 RAD. = 1736543.8	1.5 2.9 22.6
94451	X = 1639838 Y = 104906 Z = 561944	27 25 17	LAT. = 18 52 47.5 LONG. = 3 39 37.6 RAD. = 1736621.6	1.7 3.1 27.9
V6766	X = 1653738 Y = 97198 Z = 519752	23 24 21	LAT. = 17 25 8.8 LONG. = 3 21 49.3 RAD. = 1736213.5	2.1 3.0 25.8

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E4655	X = 1655312 Y = 99165 Z = 514238	24 25 22	LAT. = 17 13 43.8 LONG. = 3 25 42.0 RAD. = 1736183.5	2.1 3.1 27.1
46255	X = 1592219 Y = 116380 Z = 685446	22 24 21	LAT. = 23 14 10.9 LONG. = 4 10 49.7 RAD. = 1737395.7	2.0 3.2 25.0
V6723	X = 1601655 Y = 132172 Z = 662219	33 24 16	LAT. = 22 23 40.3 LONG. = 4 43 2.9 RAD. = 1738189.5	2.4 3.1 29.5
94445	X = 1614004 Y = 122610 Z = 629524	21 23 13	LAT. = 21 15 7.1 LONG. = 4 20 39.1 RAD. = 1736761.8	1.3 2.9 21.3
2898	X = 1616615 Y = 133316 Z = 620140	20 23 14	LAT. = 20 55 19.8 LONG. = 4 42 51.4 RAD. = 1736602.8	1.5 3.0 20.7
E4650	X = 1629534 Y = 123908 Z = 588755	26 24 16	LAT. = 19 48 43.7 LONG. = 4 21 5.4 RAD. = 1737063.6	1.7 3.1 26.8
Y2022	X = 1630450 Y = 118741 Z = 586342	21 23 14	LAT. = 19 43 53.0 LONG. = 4 9 55.2 RAD. = 1736739.2	1.4 2.9 22.1
D4855	X = 1634269 Y = 133598 Z = 572016	24 25 22	LAT. = 19 13 52.7 LONG. = 4 40 24.3 RAD. = 1736630.1	2.1 3.1 26.6
Z5255	X = 1644645 Y = 116988 Z = 544173	22 24 20	LAT. = 18 15 54.2 LONG. = 4 4 7.5 RAD. = 1736279.9	2.0 3.0 24.6
94430	X = 1649932 Y = 127087 Z = 525430	24 23 22	LAT. = 17 36 55.6 LONG. = 4 24 16.3 RAD. = 1736232.2	2.0 3.0 27.2
94298	X = 1661767 Y = 142892 Z = 481683	23 24 20	LAT. = 16 6 30.7 LONG. = 4 54 52.8 RAD. = 1736060.9	1.9 3.0 25.5
1674	X = 1578926 Y = 160568 Z = 704788	25 24 16	LAT. = 23 56 42.4 LONG. = 5 48 24.2 RAD. = 1736523.5	1.6 3.2 26.0

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
36655	X = 1582352 Y = 162021 Z = 695881	21 23 15	LAT. = 23 37 3.8 LONG. = 5 50 46.6 RAD. = 1736184.6	1.5 3.0 21.6
A6355	X = 1584711 Y = 153511 Z = 692922	21 23 15	LAT. = 23 31 10.2 LONG. = 5 31 58.8 RAD. = 1736380.2	1.4 3.0 21.8
Z5245	X = 1588898 Y = 139149 Z = 688296	26 23 14	LAT. = 23 29 31.6 LONG. = 5 0 17.3 RAD. = 1737155.6	1.9 3.1 24.3
65750	X = 1594061 Y = 155560 Z = 672934	22 23 16	LAT. = 22 47 23.8 LONG. = 5 34 25.3 RAD. = 1737259.2	1.5 3.0 23.6
65752	X = 1602291 Y = 152832 Z = 654139	20 23 14	LAT. = 22 7 2.0 LONG. = 5 26 54.9 RAD. = 1737409.7	1.4 3.0 21.1
D4849	X = 1601928 Y = 160087 Z = 652691	21 22 15	LAT. = 22 4 7.3 LONG. = 5 42 24.6 RAD. = 1737183.3	1.3 2.9 21.3
8 951	X = 1602763 Y = 163941 Z = 649651	25 24 17	LAT. = 21 57 38.2 LONG. = 5 50 24.9 RAD. = 1737178.0	1.6 3.1 26.1
5575B	X = 1605599 Y = 141165 Z = 648374	23 24 21	LAT. = 21 54 48.1 LONG. = 5 1 28.4 RAD. = 1737315.1	2.0 3.2 26.0
65753	X = 1609839 Y = 152712 Z = 633075	20 22 13	LAT. = 21 22 48.5 LONG. = 5 25 8.3 RAD. = 1736573.2	1.3 2.9 20.9
V6716	X = 1619786 Y = 144971 Z = 608745	30 23 14	LAT. = 20 31 19.1 LONG. = 5 6 51.7 RAD. = 1736459.8	1.5 3.0 29.9
65744	X = 1617692 Y = 168350 Z = 607829	30 27 35	LAT. = 20 29 30.2 LONG. = 5 56 28.5 RAD. = 1736296.2	3.0 3.4 38.8
6575E	X = 1620068 Y = 144919 Z = 607658	23 24 23	LAT. = 20 29 6.6 LONG. = 5 6 41.9 RAD. = 1736338.0	2.2 3.1 26.4

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1821	X = 1625470 Y = 151077 Z = 592160	21 23 14	LAT. = 19 56 15.4 LONG. = 5 18 36.1 RAD. = 1736556.7	1.5 3.0 20.9
Y1899	X = 1631307 Y = 161184 Z = 573937	21 22 14	LAT. = 19 17 46.5 LONG. = 5 38 34.4 RAD. = 1736820.8	1.4 2.9 22.1
94294	X = 1639406 Y = 170772 Z = 545473	25 23 15	LAT. = 18 18 40.3 LONG. = 5 56 48.7 RAD. = 1736190.4	1.5 3.0 25.4
94295	X = 1649792 Y = 156624 Z = 518964	24 23 17	LAT. = 17 23 17.6 LONG. = 5 25 23.3 RAD. = 1736567.8	1.6 3.0 25.4
E4555	X = 1658053 Y = 172993 Z = 485967	24 25 22	LAT. = 16 15 7.4 LONG. = 5 57 23.1 RAD. = 1736442.1	2.1 3.1 26.8
D4845	X = 1578027 Y = 176571 Z = 701276	23 23 13	LAT. = 23 49 42.2 LONG. = 6 23 4.1 RAD. = 1735838.8	1.6 3.0 22.6
36633	X = 1578191 Y = 185684 Z = 698481	20 22 14	LAT. = 23 43 40.6 LONG. = 6 42 37.2 RAD. = 1735810.9	1.4 3.0 20.7
46155	X = 1585809 Y = 187527 Z = 681368	22 24 21	LAT. = 23 6 27.3 LONG. = 6 44 38.8 RAD. = 1736150.5	2.0 3 2.9
84949	X = 1590220 Y = 171518 Z = 675791	26 24 15	LAT. = 22 54 17.4 LONG. = 6 9 21.7 RAD. = 1736350.0	1.7 3.2 26.2
65728	X = 1590622 Y = 181965 Z = 672098	22 23 17	LAT. = 22 46 21.5 LONG. = 6 31 34.3 RAD. = 1736348.2	1.6 3.1 23.9
V6701	X = 1598966 Y = 169197 Z = 658833	33 23 15	LAT. = 22 16 52.8 LONG. = 6 2 25.3 RAD. = 1737636.6	2.4 3.1 29.6
B5955	X = 1599358 Y = 176686 Z = 657539	22 24 22	LAT. = 22 13 36.9 LONG. = 6 18 14.7 RAD. = 1738252.5	2.1 3.1 25.3

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2704	X = 1602963 Y = 170044 Z = 647744	20 23 14	LAT. = 21 53 31.6 LONG. = 6 3 19.2 RAD. = 1737232.6	1.5 3.0 20.6
94289	X = 1614741 Y = 196002 Z = 608181	21 22 13	LAT. = 20 30 2.6 LONG. = 6 55 15.2 RAD. = 1736573.7	1.4 2.9 21.6
94290	X = 1618990 Y = 193067 Z = 597528	21 22 13	LAT. = 20 7 36.4 LONG. = 6 48 1.8 RAD. = 1736503.7	1.4 2.9 21.6
V6706	X = 1622512 Y = 172339 Z = 593912	24 22 14	LAT. = 20 0 4.9 LONG. = 6 3 47.0 RAD. = 1736368.7	1.4 2.9 25.3
V6594	X = 1621797 Y = 193122 Z = 589189	24 23 15	LAT. = 19 50 12.1 LONG. = 6 47 26.7 RAD. = 1736278.8	1.5 3.0 25.2
V6707	X = 1628193 Y = 180898 Z = 574919	29 23 18	LAT. = 19 20 17.5 LONG. = 6 20 23.2 RAD. = 1736164.9	1.6 3.1 30.2
E4551	X = 1640739 Y = 189977 Z = 535365	21 23 15	LAT. = 17 57 32.5 LONG. = 6 36 17.0 RAD. = 1736297.8	1.5 2.9 22.0
94283	X = 1644659 Y = 194290 Z = 523109	34 24 31	LAT. = 17 31 46.9 LONG. = 6 44 14.4 RAD. = 1736748.5	2.7 3.1 39.1
V6. 11	X = 1646112 Y = 183391 Z = 522760	26 23 27	LAT. = 17 31 .3 LONG. = 6 21 25.3 RAD. = 1736835.1	2.5 3.0 30.1
84927	X = 1588252 Y = 206610 Z = 668511	23 22 13	LAT. = 22 39 19.1 LONG. = 7 24 42.4 RAD. = 1735551.7	1.5 2.9 22.2
V6589	X = 1596293 Y = 200112 Z = 655019	27 23 14	LAT. = 22 9 13.5 LONG. = 7 8 43.3 RAD. = 1737022.2	1.9 3.0 25.2
65596	X = 1604587 Y = 222777 Z = 628995	21 23 16	LAT. = 21 13 11.6 LONG. = 7 54 15.5 RAD. = 1737804.3	1.6 3.0 22.5

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

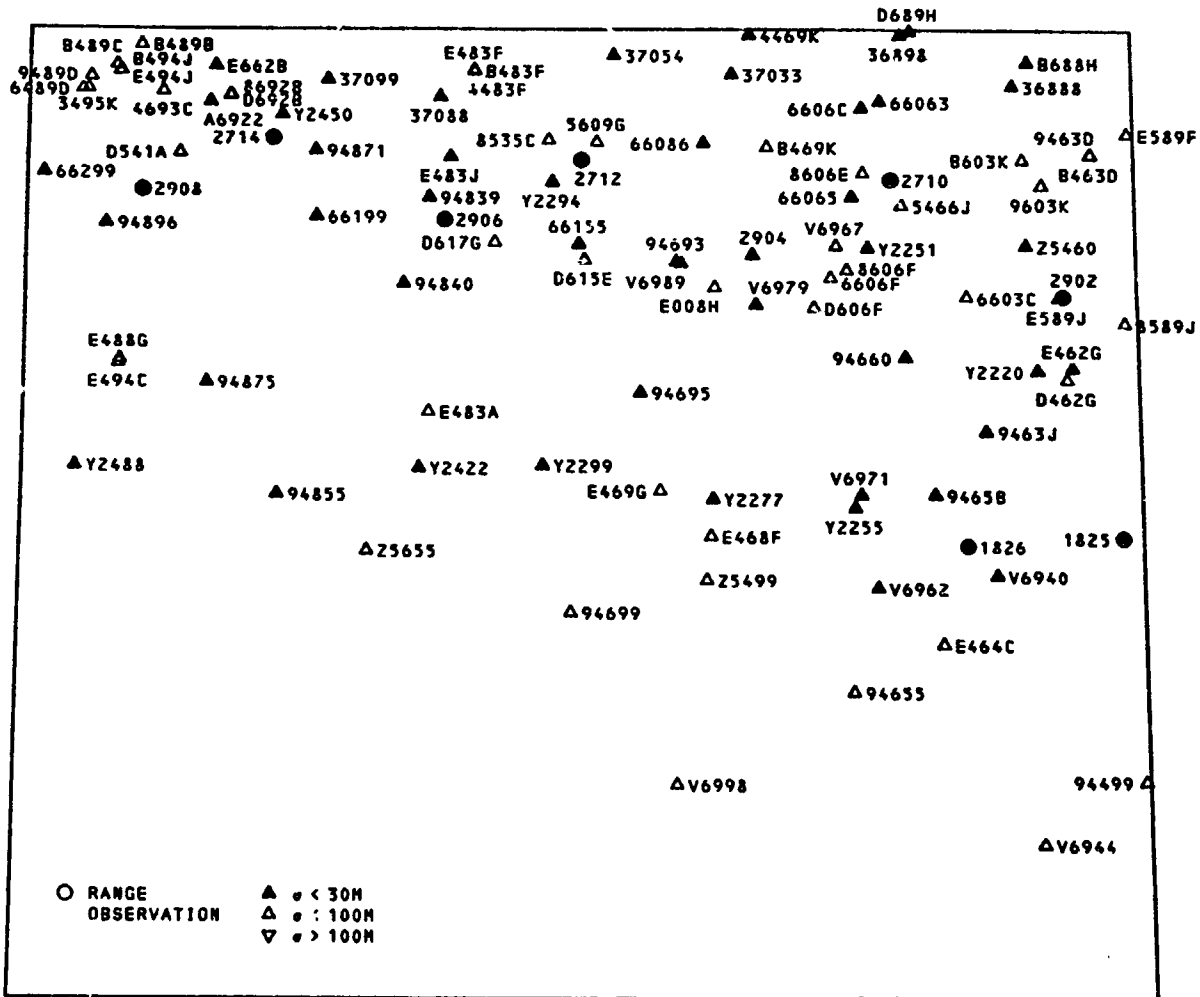
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V6592	X = 1611877 Y = 200807 Z = 614606	22 22 13	LAT. = 20 43 31.2 LONG. = 7 6 4.7 RAD. = 1736724.0	1.4 2.9 22.0
E4545	X = 1610317 Y = 223313 Z = 614095	29 24 16	LAT. = 20 41 35.9 LONG. = 7 53 42.8 RAD. = 1737844.1	2.1 3.1 26.4
2896	X = 1614028 Y = 210070 Z = 607329	20 23 14	LAT. = 20 27 44.2 LONG. = 7 24 55.8 RAD. = 1737258.0	1.5 3.0 20.1
65598	X = 1614813 Y = 218169 Z = 602463	21 22 14	LAT. = 20 17 26.4 LONG. = 7 41 39.7 RAD. = 1737291.1	1.5 2.9 21.2
94280	X = 1624206 Y = 219457 Z = 573351	22 23 15	LAT. = 19 16 52.0 LONG. = 7 41 42.1 RAD. = 1736357.6	1.6 3.0 22.3
9428K	X = 1624042 Y = 222038 Z = 573007	24 23 16	LAT. = 19 16 6.2 LONG. = 7 47 6.7 RAD. = 1736418.7	1.5 2.9 25.0
E4550	X = 1632211 Y = 200469 Z = 556727	21 22 14	LAT. = 18 42 11.6 LONG. = 7 0 7.3 RAD. = 1736158.1	1.4 2.9 21.9
94281	X = 1633969 Y = 204729 Z = 550380	21 22 15	LAT. = 18 28 51.0 LONG. = 7 8 30.0 RAD. = 1736284.9	1.4 2.9 22.1
36498	X = 1569768 Y = 234925 Z = 699834	21 22 14	LAT. = 23 47 35.4 LONG. = 8 30 41.3 RAD. = 1734683.7	1.5 3.0 21.1
A6198	X = 1572494 Y = 225752 Z = 696789	21 22 15	LAT. = 23 40 58.5 LONG. = 8 10 11.0 RAD. = 1734709.5	1.4 3.0 21.7
A6199	X = 1576110 Y = 231666 Z = 686991	22 23 21	LAT. = 23 19 40.2 LONG. = 8 21 42.5 RAD. = 1734862.8	2.0 3.1 25.0
D4689	X = 1575244 Y = 249201 Z = 683195	32 25 15	LAT. = 23 11 21.6 LONG. = 8 59 22.6 RAD. = 1735007.8	2.3 3.2 30.2

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
5559C	X = 1582123 Y = 232741 Z = 672468	24 23 18	LAT. = 22 48 27.1 LONG. = 8 22 6.9 RAD. = 1734790.0	1.7 3.1 26.1
65593	X = 1582163 Y = 232714 Z = 672371	23 23 15	LAT. = 22 48 14.8 LONG. = 8 22 2.7 RAD. = 1734785.3	1.5 3.0 23.4
D4690	X = 1581491 Y = 243618 Z = 670042	29 25 17	LAT. = 22 43 15.4 LONG. = 8 45 25.9 RAD. = 1734767.8	2.2 3.3 26.6
84905	X = 1586199 Y = 250164 Z = 656294	24 22 13	LAT. = 22 13 47.6 LONG. = 8 57 44.9 RAD. = 1734742.2	1.6 2.9 23.5
B5855	X = 1591403 Y = 251207 Z = 646142	22 23 22	LAT. = 21 51 12.5 LONG. = 8 58 13.0 RAD. = 1735847.5	2.1 3.1 25.4
D4692	X = 1597831 Y = 236210 Z = 639936	22 22 13	LAT. = 21 36 48.0 LONG. = 8 24 33.2 RAD. = 1737347.5	1.4 2.9 22.1
2702	X = 1596455 Y = 246598 Z = 637885	20 23 14	LAT. = 21 32 53.2 LONG. = 8 46 51.1 RAD. = 1736771.9	1.5 3.0 20.2
84907	X = 1604184 Y = 236366 Z = 624539	24 24 17	LAT. = 21 3 55.2 LONG. = 8 22 54.6 RAD. = 1737627.4	1.6 3.1 25.5
D4694	X = 1610089 Y = 228114 Z = 612763	25 24 16	LAT. = 20 38 49.6 LONG. = 8 3 50.0 RAD. = 1737785.9	1.6 3.1 26.1
Y1855	X = 1623430 Y = 235877 Z = 569770	21 22 16	LAT. = 19 9 11.2 LONG. = 8 16 1.1 RAD. = 1736606.1	1.5 2.9 22.7
94250	X = 1641136 Y = 241763 Z = 511614	27 24 16	LAT. = 17 8 26.0 LONG. = 8 22 48.8 RAD. = 1735950.7	1.7 3.0 27.1
36488	X = 1572185 Y = 258405 Z = 686088	20 21 13	LAT. = 23 17 50.5 LONG. = 9 20 1.3 RAD. = 1734720.1	1.3 2.9 19.9

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
65582	X = 1581522 Y = 262910 Z = 662904	22 22 13	LAT. = 22 27 51.1 LONG. = 9 26 18.4 RAD. = 1734870.2	1.4 2.9 21.8
45588	X = 1581492 Y = 262830 Z = 662800	22 23 22	LAT. = 22 27 41.5 LONG. = 9 26 8.9 RAD. = 1734791.3	2.1 3.1 25.0
V6490	X = 1591573 Y = 261774 Z = 639392	24 22 14	LAT. = 21 37 25.9 LONG. = 9 20 24.4 RAD. = 1735065.2	1.6 3.0 22.8
25049	X = 1602478 Y = 281107 Z = 603147	23 22 14	LAT. = 20 20 27.2 LONG. = 9 56 58.5 RAD. = 1735149.4	1.5 2.9 23.5
1818	X = 1609727 Y = 267081 Z = 590714	20 22 14	LAT. = 19 54 3.9 LONG. = 9 25 13.8 RAD. = 1735366.7	1.5 2.9 20.0
94246	X = 1612933 Y = 270276 Z = 581954	22 22 13	LAT. = 19 35 16.0 LONG. = 9 30 45.2 RAD. = 1735877.9	1.5 2.9 21.6
25051	X = 1611714 Y = 280114 Z = 581145	23 22 15	LAT. = 19 33 27.4 LONG. = 9 51 34.0 RAD. = 1736034.6	1.5 2.9 23.4
94247	X = 1621482 Y = 265027 Z = 564781	22 22 14	LAT. = 18 58 13.5 LONG. = 9 16 58.0 RAD. = 1737360.2	1.5 2.9 21.7
E4505	X = 1630838 Y = 270390 Z = 532489	27 23 15	LAT. = 17 51 16.4 LONG. = 9 24 50.0 RAD. = 1736746.6	1.7 3.0 26.6
V6499	X = 1632870 Y = 267057 Z = 527979	20 22 15	LAT. = 17 41 53.2 LONG. = 9 17 18.7 RAD. = 1736763.4	1.5 2.8 21.1
E4507	X = 1638427 Y = 265293 Z = 509008	26 24 17	LAT. = 17 2 58.0 LONG. = 9 11 50.8 RAD. = 1736062.0	1.7 3.0 26.8



MAP SHEET 41D

TERRAIN POINTS ON MAP SHEET 41D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
B489B	X = 1567224	23	LAT. = 23 51 51.8	1.9
	Y = -248375	27	LONG. = - 9 0 19.4	3.4
	Z = 701986	21	RAD. = 1735126.8	27.0
B489C	X = 1568270	27	LAT. = 23 41 50.8	2.9
	Y = -254569	29	LONG. = - 9 13 12.4	3.6
	Z = 697349	33	RAD. = 1735099.6	36.5
E494J	X = 1569006	35	LAT. = 23 39 7.3	1.9
	Y = -253719	30	LONG. = - 9 11 8.2	3.6
	Z = 696106	23	RAD. = 1735142.0	40.6
B494J	X = 1569012	23	LAT. = 23 39 5.4	2.0
	Y = -253736	27	LONG. = - 9 11 10.2	3.4
	Z = 696093	21	RAD. = 1735144.6	27.0
9489D	X = 1568428	27	LAT. = 23 36 .9	1.7
	Y = -261058	27	LONG. = - 9 27 .0	3.4
	Z = 694665	17	RAD. = 1735130.5	28.9
3495K	X = 1569481	29	LAT. = 23 30 5.8	2.8
	Y = -261914	28	LONG. = - 9 28 27.1	3.6
	Z = 691920	32	RAD. = 1735114.4	30.1
6489D	X = 1569313	24	LAT. = 23 29 49.7	1.9
	Y = -263248	27	LONG. = - 9 31 21.2	3.4
	Z = 691796	21	RAD. = 1735114.9	28.0
66299	X = 1575829	22	LAT. = 22 48 48.7	1.6
	Y = -273630	26	LONG. = - 9 51 2.7	3.3
	Z = 672775	17	RAD. = 1735147.6	25.1
94896	X = 1583298	22	LAT. = 22 23 48.0	1.4
	Y = -258844	26	LONG. = - 9 17 5.3	3.2
	Z = 661142	15	RAD. = 1735207.1	24.8
E488G	X = 1596471	24	LAT. = 21 16 26.9	2.2
	Y = -256942	27	LONG. = - 9 8 34.7	3.4
	Z = 629608	23	RAD. = 1735265.2	29.1
E494C	X = 1596714	24	LAT. = 21 14 34.5	2.2
	Y = -257240	27	LONG. = - 9 9 7.3	3.4
	Z = 628705	23	RAD. = 1735205.5	29.1
Y2488	X = 1604036	22	LAT. = 20 23 43.7	1.8
	Y = -268998	26	LONG. = - 9 31 11.8	3.2
	Z = 604720	19	RAD. = 1735217.1	25.9

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E662B	X = 1572355 Y = -230215 Z = 697294	26 27 17	LAT. = 23 41 29.5 LONG. = - 8 19 47.1 RAD. = 1735372.9	1.7 3.4 29.0
4693C	X = 1572722 Y = -243511 Z = 691389	22 27 22	LAT. = 23 28 54.8 LONG. = - 8 48 5.2 RAD. = 1735157.9	2.0 3.4 26.6
8692B	X = 1575753 Y = -226696 Z = 690725	24 27 24	LAT. = 23 27 18.1 LONG. = - 8 11 12.1 RAD. = 1735364.1	2.2 3.5 28.7
D692B	X = 1575770 Y = -226723 Z = 690601	24 27 21	LAT. = 23 27 3.6 LONG. = - 8 11 15.3 RAD. = 1735334.2	2.0 3.4 28.4
A6922	X = 1575679 Y = -231936 Z = 689021	21 26 15	LAT. = 23 23 40.0 LONG. = - 8 22 25.2 RAD. = 1735312.0	1.4 3.2 23.5
D541A	X = 1579437 Y = -239949 Z = 677304	24 27 23	LAT. = 22 58 30.3 LONG. = - 8 38 18.0 RAD. = 1735204.8	2.1 3.4 28.5
2908	X = 1581525 Y = -249545 Z = 668894	21 27 15	LAT. = 22 40 26.0 LONG. = - 8 57 50.9 RAD. = 1735198.3	1.5 3.3 23.0
94875	X = 1601995 Y = -235529 Z = 624261	22 26 16	LAT. = 21 4 59.8 LONG. = - 8 21 49.9 RAD. = 1735385.8	1.5 3.2 24.8
37099	X = 1577501 Y = -202278 Z = 694200	20 25 14	LAT. = 23 34 50.8 LONG. = - 7 18 25.2 RAD. = 1735321.2	1.4 3.2 23.0
Y2450	X = 1579460 Y = -214095 Z = 686195	24 26 15	LAT. = 23 17 32.9 LONG. = - 7 43 9.8 RAD. = 1735337.4	1.5 3.3 26.1
2714	X = 1581478 Y = -216560 Z = 680884	21 26 15	LAT. = 23 6 3.4 LONG. = - 7 47 50.4 RAD. = 1735388.4	1.5 3.3 22.8
94871	X = 1584150 Y = -205942 Z = 677942	22 26 16	LAT. = 22 59 43.8 LONG. = - 7 24 25.2 RAD. = 1735381.2	1.5 3.2 24.9

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
66199	X = 1590552 Y = -206284 Z = 662658	22 26 15	LAT. = 22 26 54.6 LONG. = - 7 23 22.7 RAD. = 1735374.3	1.4 3.2 24.3
94855	X = 1614292 Y = -218714 Z = 598015	21 26 18	LAT. = 20 9 28.8 LONG. = - 7 42 56.9 RAD. = 1735337.3	1.7 3.2 24.7
37088	X = 1582593 Y = -174248 Z = 690078	21 25 17	LAT. = 23 25 59.0 LONG. = - 6 16 59.2 RAD. = 1735272.0	1.6 3.2 23.9
E483J	X = 1588868 Y = -172112 Z = 676414	27 27 17	LAT. = 22 56 24.9 LONG. = - 6 10 56.6 RAD. = 1735413.4	1.7 3.4 28.8
94839	X = 1592125 Y = -177833 Z = 667058	21 25 14	LAT. = 22 36 21.9 LONG. = - 6 22 23.8 RAD. = 1735354.1	1.3 3.2 23.5
2906	X = 1594672 Y = -174172 Z = 661896	21 26 15	LAT. = 22 25 18.1 LONG. = - 6 13 59.5 RAD. = 1735344.9	1.5 3.3 22.5
94840	X = 1599486 Y = -185016 Z = 647107	23 26 16	LAT. = 21 53 41.2 LONG. = - 6 35 53.5 RAD. = 1735319.3	1.5 3.2 25.7
E483A	X = 1611808 Y = -179817 Z = 617283	25 28 23	LAT. = 20 50 15.2 LONG. = - 6 21 56.6 RAD. = 1735309.6	2.3 3.5 28.7
Y2422	X = 1616544 Y = -182714 Z = 604211	22 26 18	LAT. = 20 22 30.4 LONG. = - 6 26 55.1 RAD. = 1735416.5	1.7 3.2 25.2
Z5655	X = 1621951 Y = -196499 Z = 584743	23 26 21	LAT. = 19 41 32.4 LONG. = - 6 54 27.7 RAD. = 1735298.9	2.0 3.2 26.4
E483F	X = 1580828 Y = -165346 Z = 696226	27 28 17	LAT. = 23 39 17.3 LONG. = - 5 58 16.0 RAD. = 1735248.4	1.9 3.5 28.8
R483F	X = 1580901 Y = -165403 Z = 696233	29 28 32	LAT. = 23 39 14.4 LONG. = - 5 58 22.4 RAD. = 1735323.7	2.8 3.6 36.4

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
4483F	X = 1580912 Y = -165355 Z = 696186	28 28 33	LAT. = 23 39 8.9 LONG. = - 5 58 16.1 RAD. = 1735309.2	2.9 3.6 35.5
8535C	X = 1589687 Y = -147315 Z = 680363	23 27 22	LAT. = 23 4 54.3 LONG. = - 5 17 39.9 RAD. = 1735424.9	2.1 3.4 27.5
Y2294	X = 1593963 Y = -146745 Z = 670665	23 25 15	LAT. = 22 43 58.0 LONG. = - 5 15 35.9 RAD. = 1735524.4	1.4 3.2 25.1
D617G	X = 1598068 Y = -161768 Z = 656631	32 31 35	LAT. = 22 14 5.4 LONG. = - 5 46 48.7 RAD. = 1735267.7	3.0 4.1 39.8
66155	X = 1600310 Y = -140562 Z = 656310	21 25 14	LAT. = 22 13 19.0 LONG. = - 5 1 10.6 RAD. = 1735372.6	1.4 3.1 23.2
Y2299	X = 1619466 Y = -151460 Z = 604820	22 25 18	LAT. = 20 23 50.8 LONG. = - 5 20 34.9 RAD. = 1735343.7	1.7 3.1 25.0
94699	X = 1632492 Y = -145435 Z = 570197	25 27 24	LAT. = 19 10 58.4 LONG. = - 5 5 27.3 RAD. = 1735311.7	2.3 3.3 28.5
37054	X = 1582834 Y = -130226 Z = 699948	20 25 13	LAT. = 23 47 3.0 LONG. = - 4 42 12.1 RAD. = 1735582.7	1.3 3.1 22.0
5609G	X = 1590954 Y = -135236 Z = 679962	23 26 22	LAT. = 23 4 1.4 LONG. = - 4 51 31.1 RAD. = 1735445.7	2.0 3.3 26.7
2712	X = 1592460 Y = -139285 Z = 675873	20 26 14	LAT. = 22 55 8.3 LONG. = - 4 59 55.2 RAD. = 1735550.2	1.5 3.2 22.2
D615E	X = 1601835 Y = -139257 Z = 652694	31 29 35	LAT. = 22 5 38.3 LONG. = - 4 58 6.9 RAD. = 1735302.9	3.0 3.7 39.2
94693	X = 1604103 Y = -116148 Z = 652445	27 26 16	LAT. = 22 4 51.8 LONG. = - 4 8 29.0 RAD. = 1735604.0	1.7 3.3 28.3

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V6989	X = 1604239 Y = -114943 Z = 652019	36 28 18	LAT. = 22 4 2.7 LONG. = - 4 5 53.6 RAD. = 1735489.5	2.7 3.6 33.1
94695	X = 1615207 Y = -126183 Z = 621885	25 27 15	LAT. = 20 59 57.3 LONG. = - 4 28 1.2 RAD. = 1735384.0	1.6 3.3 26.1
E469G	X = 1624118 Y = -121893 Z = 598897	26 27 23	LAT. = 20 11 21.8 LONG. = - 4 17 31.6 RAD. = 1735308.6	2.1 3.4 29.8
V6998	X = 1651494 Y = -119894 Z = 530464	28 28 28	LAT. = 17 45 48.0 LONG. = - 4 9 8.1 RAD. = 1738735.1	2.7 3.5 25.5
4469K	X = 1583311 Y = -96053 Z = 704632	22 26 20	LAT. = 23 57 6.4 LONG. = - 3 28 18.0 RAD. = 1735686.2	1.9 3.3 25.8
37033	X = 1587072 Y = -100746 Z = 695648	20 24 14	LAT. = 23 37 35.6 LONG. = - 3 37 55.9 RAD. = 1735763.4	1.3 3.1 22.2
66086	X = 1593109 Y = -108457 Z = 679746	22 25 19	LAT. = 23 3 32.9 LONG. = - 3 53 40.7 RAD. = 1735457.6	1.8 3.2 25.1
B469K	X = 1594499 Y = -92546 Z = 678922	28 27 36	LAT. = 23 1 44.8 LONG. = - 3 19 18.4 RAD. = 1735490.8	3.2 3.5 36.3
2904	X = 1604627 Y = -96911 Z = 653939	24 25 15	LAT. = 22 8 10.0 LONG. = - 3 27 22.2 RAD. = 1735470.2	1.5 3.2 25.6
E008H	X = 1607128 Y = -106692 Z = 646518	27 27 18	LAT. = 21 52 13.6 LONG. = - 3 47 53.2 RAD. = 1735577.3	1.7 3.4 29.7
V6979	X = 1609344 Y = -96443 Z = 642479	22 25 14	LAT. = 21 43 38.8 LONG. = - 3 25 46.0 RAD. = 1735531.2	1.4 3.1 23.9
Y2277	X = 1625725 Y = -108568 Z = 590967	22 25 18	LAT. = 20 7 19.4 LONG. = - 3 49 14.2 RAD. = 1735263.2	1.7 3.1 24.8

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E468F	X = 1629311 Y = -109401 Z = 588404	25 27 24	LAT. = 19 48 55.4 LONG. = - 3 50 29.0 RAD. = 1735754.0	2.2 3.3 29.5
Z5499	X = 1634403 Y = -110894 Z = 578572	22 25 20	LAT. = 19 27 8.7 LONG. = - 3 52 53.6 RAD. = 1737330.7	2.0 3.2 25.7
D689H	X = 1584643 Y = -55741 Z = 705387	26 26 17	LAT. = 23 58 57.3 LONG. = - 2 0 52.5 RAD. = 1735445.8	1.7 3.3 27.3
36898	X = 1584936 Y = -58255 Z = 704558	20 24 13	LAT. = 23 57 8.7 LONG. = - 2 6 17.9 RAD. = 1735459.1	1.3 3.1 21.6
66063	X = 1591327 Y = -63692 Z = 689301	2 24 13	LAT. = 23 24 13.2 LONG. = - 2 17 31.2 RAD. = 1735371.9	1.3 3.1 21.7
6606C	X = 1591935 Y = -68419 Z = 687840	22 25 14	LAT. = 23 20 55.4 LONG. = - 2 27 39.5 RAD. = 1735529.6	1.4 3.1 23.4
8606E	X = 1598373 Y = -68553 Z = 672984	24 26 21	LAT. = 22 48 51.8 LONG. = - 2 27 21.1 RAD. = 1735627.5	1.9 3.3 26.9
Z710	X = 1599162 Y = -61497 Z = 671518	20 25 14	LAT. = 22 45 48.0 LONG. = - 2 12 8.2 RAD. = 1735522.0	1.5 3.2 21.8
66065	X = 1600239 Y = -71486 Z = 667397	22 25 19	LAT. = 22 37 7.8 LONG. = - 2 33 28.1 RAD. = 1735308.3	1.8 3.2 24.9
5466J	X = 1601815 Y = -59048 Z = 665589	22 25 22	LAT. = 22 33 .6 LONG. = - 2 6 40.1 RAD. = 1735599.9	2.1 3.2 26.5
V6967	X = 1604719 Y = -75838 Z = 656062	30 26 16	LAT. = 22 12 50.4 LONG. = - 2 42 20.6 RAD. = 1735307.3	2.2 3.3 28.6
Y2251	X = 1605648 Y = -67786 Z = 655747	23 25 14	LAT. = 22 11 50.1 LONG. = - 2 25 2.7 RAD. = 1735714.0	1.4 3.1 24.3

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

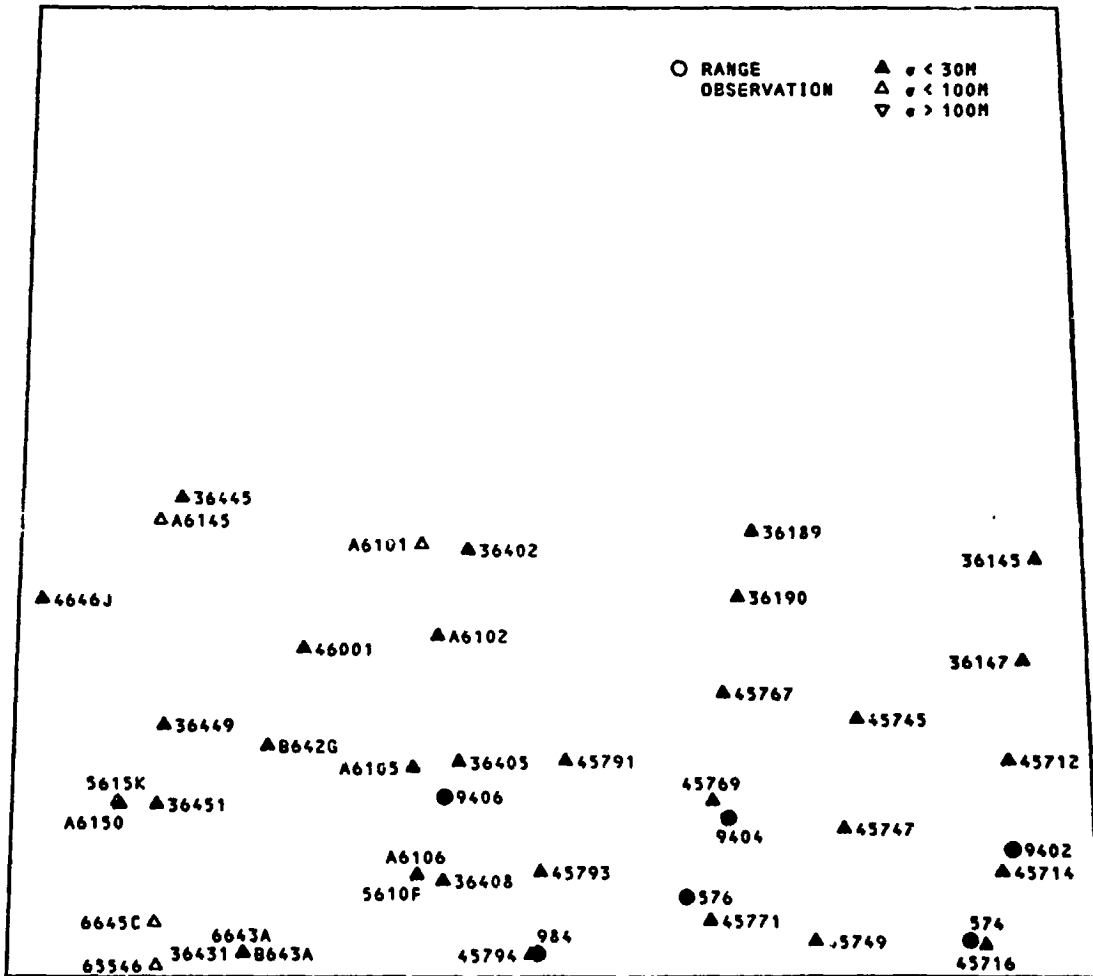
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
8606F	X = 1607298 Y = -73264 Z = 650529	23 26 23	LAT. = 22 0 51.2 LONG. = - 2 36 35.5 RAD. = 1735500.6	2.2 3.3 26.9
6606F	X = 1607753 Y = -77360 Z = 648739	23 26 23	LAT. = 21 57 5.1 LONG. = - 2 45 17.2 RAD. = 1735429.4	2.1 3.3 27.4
D606F	X = 1610429 Y = -81891 Z = 641825	24 26 22	LAT. = 21 42 14.3 LONG. = - 2 54 39.6 RAD. = 1735547.7	2.1 3.3 27.4
94660	X = 1615775 Y = -58998 Z = 630135	22 24 15	LAT. = 21 17 32.4 LONG. = - 2 5 28.2 RAD. = 1735303.7	1.4 3.1 23.8
V6971	X = 1630802 Y = -71177 Z = 599060	27 26 15	LAT. = 20 9 9.7 LONG. = - 2 29 56.8 RAD. = 1738808.5	1.6 3.2 28.0
Y2255	X = 1631895 Y = -72805 Z = 596118	22 25 18	LAT. = 20 2 54.5 LONG. = - 2 33 16.1 RAD. = 1738889.9	1.7 3.1 24.2
V6962	X = 1638318 Y = -67445 Z = 577020	26 25 17	LAT. = 19 23 13.9 LONG. = - 2 21 26.6 RAD. = 1738270.9	1.6 3.2 28.0
94655	X = 1646783 Y = -74327 Z = 552358	23 26 23	LAT. = 18 31 29.1 LONG. = - 2 35 3.3 RAD. = 1738539.3	2.7 3.7 28.
36888	X = 1591372 Y = -30076 Z = 693334	20 24 14	LAT. = 23 32 17.5 LONG. = - 1 4 57.8 RAD. = 1736110.8	1.4 3.1 22.2
B603K	X = 1598713 Y = -27933 Z = 676358	22 25 22	LAT. = 22 55 42.0 LONG. = - 1 0 3.5 RAD. = 173123.3	2.1 3.2 25.9
6603C	X = 1611830 Y = -47086 Z = 644777	34 26 15	LAT. = 21 47 44.7 LONG. = - 1 31 52.4 RAD. = 1736545.0	2.2 3.4 31.6
9463J	X = 1624587 Y = -38923 Z = 613461	27 26 17	LAT. = 20 40 53.8 LONG. = - 1 22 20.9 RAD. = 1736989.7	1.7 3.3 28.5

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
9465B	X = 1631708	26	LAT. = 20 9 20.7	1.7
	Y = -52364	26	LONG. = - 1 50 17.1	3.2
	Z = 599229	18	RAD. = 1739048.2	28.2
1826	X = 1635738	23	LAT. = 19 44 13.5	1.6
	Y = -4464	26	LONG. = - 1 33 25.5	3.2
	Z = 587090	15	RAD. = 1738473.5	23.7
V6940	X = 1638017	22	LAT. = 19 29 25.1	1.5
	Y = -37185	24	LONG. = - 1 18 1.7	3.1
	Z = 579889	15	RAD. = 1738031.9	23.5
E464C	X = 1643951	34	LAT. = 18 55 21.0	2.9
	Y = -51288	34	LONG. = - 1 47 13.0	4.4
	Z = 563845	33	RAD. = 1738713.9	40.7
B688H	X = 1588578	23	LAT. = 23 44 3.3	1.8
	Y = -26119	25	LONG. = - 0 56 31.1	3.3
	Z = 698564	20	RAD. = 1735584.4	26.0
E589F	X = 1595413	30	LAT. = 23 8 52.4	2.1
	Y = -1558	26	LONG. = - 0 3 21.4	3.4
	Z = 682078	16	RAD. = 1735101.2	29.2
9463D	X = 1598301	30	LAT. = 22 58 32.9	2.1
	Y = -10930	26	LONG. = - 0 23 30.5	3.4
	Z = 677658	16	RAD. = 1736060.2	28.6
B463D	X = 1598317	28	LAT. = 22 58 23.2	3.0
	Y = -10959	26	LONG. = - 0 23 34.2	3.4
	Z = 677576	34	RAD. = 1736043.9	36.0
9603K	X = 1600580	30	LAT. = 22 43 2.2	2.0
	Y = -23328	26	LONG. = - 0 50 6.0	3.3
	Z = 670175	16	RAD. = 1735377.6	28.7
Z5460	X = 1606624	24	LAT. = 22 13 21.5	1.5
	Y = -27538	25	LONG. = - 0 58 55.1	3.2
	Z = 656488	15	RAD. = 1735792.1	25.2
2902	X = 1611291	20	LAT. = 21 48 13.4	1.5
	Y = -18683	25	LONG. = - 0 39 51.5	3.2
	Z = 644635	14	RAD. = 1735558.6	21.6
E589J	X = 1611215	28	LAT. = 21 47 23.8	1.8
	Y = -19852	26	LONG. = - 0 42 21.3	3.3
	Z = 644161	16	RAD. = 1735324.4	29.3

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
8589J	X = 1618288	23	LAT. = 21 34 56.5	2.0
	Y = -3244	25	LONG. = - 0 6 53.5	3.2
	Z = 640151	21	RAD. = 1740304.7	26.1
E462G	X = 1617764	28	LAT. = 21 12 28.3	1.7
	Y = -16775	26	LONG. = - 0 35 38.7	3.3
	Z = 627778	17	RAD. = 1735380.9	29.3
Y2220	X = 1617722	22	LAT. = 21 11 6.3	1.5
	Y = -25489	24	LONG. = - 0 54 9.7	3.1
	Z = 627066	15	RAD. = 1735190.3	24.2
D462G	X = 1619145	25	LAT. = 21 6 53.5	2.1
	Y = -18154	26	LONG. = - 0 38 32.6	3.3
	Z = 625298	23	RAD. = 1735786.9	28.5
1825	X = 1634996	22	LAT. = 19 48 24.0	1.5
	Y = -5203	25	LONG. = - 0 10 56.4	3.1
	Z = 588853	15	RAD. = 1737811.3	22.9
94499	X = 1653676	25	LAT. = 17 47 34.4	2.2
	Y = -1053	26	LONG. = - 0 2 11.3	3.2
	Z = 530711	22	RAD. = 1736749.9	28.4
V6944	X = 1658138	26	LAT. = 17 16 18.0	2.7
	Y = -27054	25	LONG. = - 0 56 5.1	3.2
	Z = 515622	28	RAD. = 1736668.9	31.3



MAP SHEET 42A

TERRAIN POINTS ON MAP SHEET 42A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
4646J	X = 1519400 Y = 273917 Z = 790635	27 23 15	LAT. = 27 7 1.9 LONG. = 10 13 10.2 RAD. = 1734563.1	2.1 3.2 25.0
5615K	X = 1537624 Y = 298295 Z = 745471	28 23 16	LAT. = 25 27 7.1 LONG. = 10 58 43.9 RAD. = 1734645.8	2.2 3.1 25.4
36445	X = 1501417 Y = 305694 Z = 813158	27 23 15	LAT. = 27 57 18.5 LONG. = 11 30 30.0 RAD. = 1734626.2	2.2 3.2 25.1
A6145	X = 1505045 Y = 300950 Z = 808189	27 23 16	LAT. = 27 46 10.6 LONG. = 11 18 28.0 RAD. = 1734618.2	2.2 3.2 24.7
36449	X = 1527376 Y = 307805 Z = 762627	25 23 16	LAT. = 26 4 48.5 LONG. = 11 23 38.3 RAD. = 1734710.8	1.7 3.1 25.1
A6150	X = 1537856 Y = 298979 Z = 744851	24 23 16	LAT. = 25 25 42.1 LONG. = 11 0 6.5 RAD. = 1734702.7	1.6 3.1 24.7
36451	X = 1536076 Y = 308071 Z = 744777	24 23 17	LAT. = 25 25 33.5 LONG. = 11 20 26.2 RAD. = 1734684.6	1.6 3.1 25.1
6645C	X = 1548252 Y = 310671 Z = 717963	29 23 16	LAT. = 24 26 58.1 LONG. = 11 20 46.4 RAD. = 1734667.6	2.3 3.1 25.9
65546	X = 1552484 Y = 312059 Z = 708068	29 23 15	LAT. = 24 5 29.4 LONG. = 11 21 55.3 RAD. = 1734632.4	2.2 3.1 25.9
46001	X = 1511926 Y = 340145 Z = 779613	27 23 15	LAT. = 26 42 19.8 LONG. = 12 40 44.3 RAD. = 1734766.5	2.1 3.1 24.7
B642G	X = 1524170 Y = 334029 Z = 757965	28 23 15	LAT. = 25 54 32.5 LONG. = 12 21 40.4 RAD. = 1734698.7	2.1 3.1 25.4
6643A	X = 1546692 Y = 333397 Z = 711001	46 24 19	LAT. = 24 11 51.8 LONG. = 12 9 51.3 RAD. = 1734627.3	3.7 3.2 39.3

TERRAIN POINTS ON MAP SHEET 42A (CONTINUED)

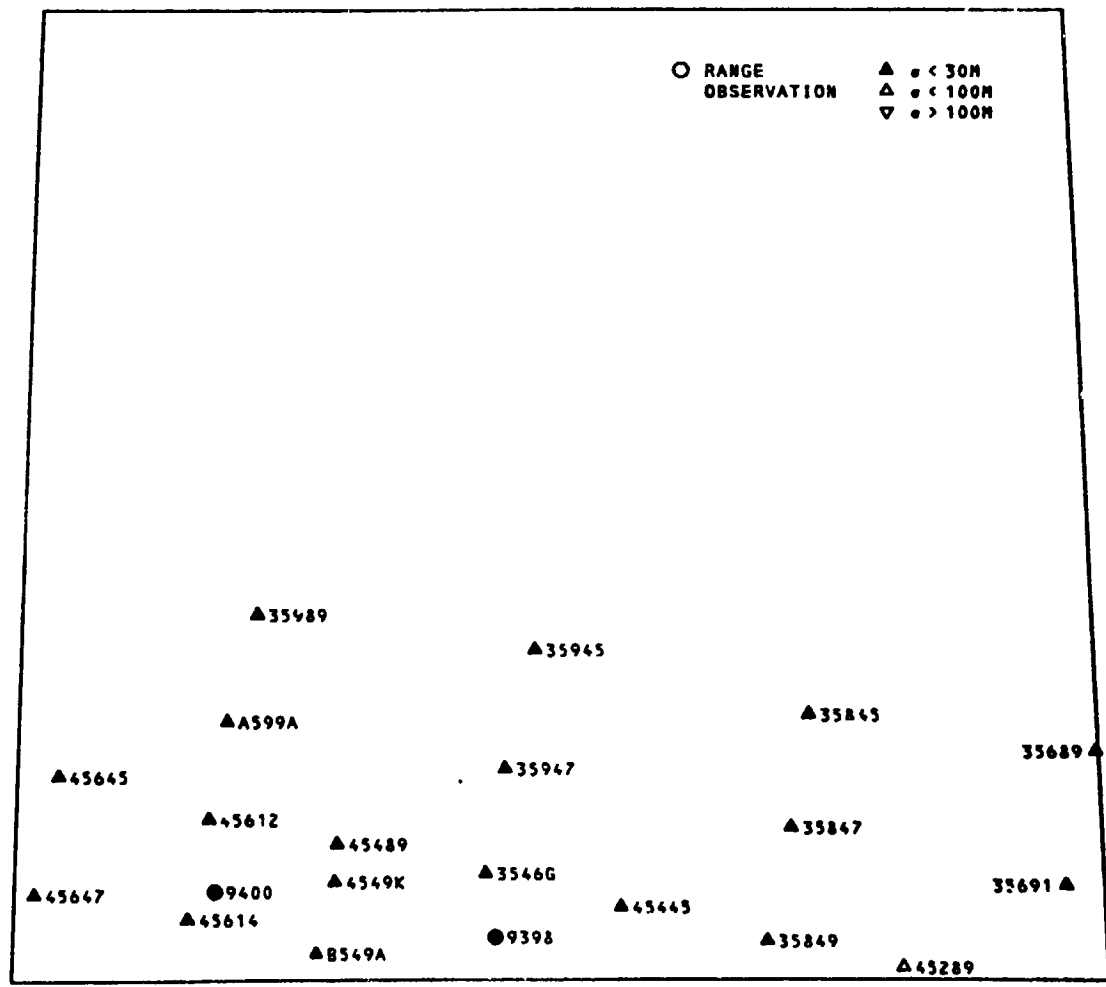
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
B543A	X = 1546760	38	LAT. = 24 11 41.7	1.8
	Y = 333406	24	LONG. = 12 9 50.6	3.5
	Z = 710938	19	RAD. = 1734664.1	37.6
36431	X = 1546791	21	LAT. = 24 11 40.4	1.5
	Y = 333424	21	LONG. = 12 9 52.0	2.9
	Z = 710942	15	RAD. = 1734696.8	22.4
A6101	X = 1493492	27	LAT. = 27 34 5.2	2.3
	Y = 366322	23	LONG. = 13 46 52.9	3.1
	Z = 802833	16	RAD. = 1734719.2	24.4
A6102	X = 1502677	26	LAT. = 26 48 42.5	2.0
	Y = 372847	22	LONG. = 13 56 5.8	3.1
	Z = 782473	15	RAD. = 1734738.3	24.4
A6105	X = 1518257	25	LAT. = 25 43 30.7	1.7
	Y = 370450	22	LONG. = 13 42 43.5	3.1
	Z = 752971	15	RAD. = 1734734.6	24.4
A6106	X = 1529040	24	LAT. = 24 50 36.0	1.6
	Y = 374284	22	LONG. = 13 45 16.5	3.0
	Z = 728820	16	RAD. = 1734713.2	24.5
5610F	X = 1529068	45	LAT. = 24 50 28.0	3.0
	Y = 374280	23	LONG. = 13 45 15.2	3.6
	Z = 728758	17	RAD. = 1734711.0	38.3
36408	X = 1528097	23	LAT. = 24 47 27.6	1.7
	Y = 380807	22	LONG. = 13 59 35.8	3.0
	Z = 727374	17	RAD. = 1734694.9	24.4
36402	X = 1491294	26	LAT. = 27 31 24.3	2.1
	Y = 377892	22	LONG. = 14 13 9.8	3.1
	Z = 801654	15	RAD. = 1734764.7	24.3
33405	X = 1514908	22	LAT. = 25 46 7.8	1.6
	Y = 381555	21	LONG. = 14 8 12.8	2.9
	Z = 754159	14	RAD. = 1734729.5	21.5
9406	X = 1519370	24	LAT. = 25 29 5.5	1.6
	Y = 378936	22	LONG. = 14 0 14.6	3.0
	Z = 746393	16	RAD. = 1734699.4	24.4
45793	X = 1521065	20	LAT. = 24 51 41.8	1.4
	Y = 404494	20	LONG. = 14 53 30.9	2.8
	Z = 729312	13	RAD. = 1734690.1	19.6

TERRAIN POINTS ON MAP SHEET 42A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
984	X = 1529384 Y = 405889 Z = 710897	24 22 16	LAT. = 24 11 35.1 LONG. = 14 51 48.0 RAD. = 1734685.9	1.6 3.0 24.1
45794	X = 1529989 Y = 404102 Z = 710541	20 20 13	LAT. = 24 10 50.4 LONG. = 14 47 42.5 RAD. = 1734656.3	1.3 2.8 19.4
45791	X = 1507932 Y = 407668 Z = 754390	22 21 13	LAT. = 25 46 40.5 LONG. = 15 7 41.5 RAD. = 1734691.5	1.6 2.9 20.7
36189	X = 1469974 Y = 446425 Z = 805612	26 22 15	LAT. = 27 40 20.4 LONG. = 16 53 36.0 RAD. = 1734684.4	2.2 3.0 23.5
36190	X = 1478252 Y = 445064 Z = 791112	22 21 14	LAT. = 27 7 57.5 LONG. = 16 45 20.5 RAD. = 1734695.9	1.8 2.9 20.8
45767	X = 1489824 Y = 444147 Z = 769566	21 20 13	LAT. = 26 20 10.6 LONG. = 16 36 1.4 RAD. = 1734667.9	1.6 2.9 20.3
45769	X = 1501957 Y = 444465 Z = 745325	21 20 13	LAT. = 25 26 48.8 LONG. = 16 29 5.1 RAD. = 1734627.9	1.5 2.8 19.9
9404	X = 1502504 Y = 448910 Z = 741561	20 21 15	LAT. = 25 18 33.1 LONG. = 16 38 5.4 RAD. = 1734633.1	1.6 3.0 18.8
576	X = 1513572 Y = 440740 Z = 723704	23 22 16	LAT. = 24 39 31.3 LONG. = 16 14 6.4 RAD. = 1734618.0	1.6 3.0 23.6
45771	X = 1514246 Y = 447230 Z = 718239	20 20 13	LAT. = 24 27 38.1 LONG. = 16 27 15.9 RAD. = 1734595.5	1.4 2.8 19.0
45745	X = 1482541 Y = 477167 Z = 763749	23 20 13	LAT. = 26 7 22.0 LONG. = 17 50 28.1 RAD. = 1734626.5	1.7 2.8 21.3
45747	X = 1494962 Y = 477173 Z = 739055	21 20 13	LAT. = 25 13 6.0 LONG. = 17 42 8.8 RAD. = 1734591.3	1.5 2.8 19.8

TERRAIN POINTS ON MAP SHEET 42A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45749	X = 1508567 Y = 473193 Z = 713492	20 20 13	LAT. = 24 17 19.4 LONG. = 17 24 54.3 RAD. = 1734576.3	1.4 2.8 19.5
574	X = 1496429 Y = 510192 Z = 713615	19 21 15	LAT. = 24 17 34.1 LONG. = 18 49 34.6 RAD. = 1734601.2	1.6 2.9 18.3
45716	X = 1495486 Y = 514083 Z = 712810	20 20 13	LAT. = 24 15 48.9 LONG. = 18 58 14.6 RAD. = 1734606.0	1.4 2.7 19.4
36145	X = 1450657 Y = 515304 Z = 799382	26 22 15	LAT. = 27 26 27.8 LONG. = 19 33 22.0 RAD. = 1734634.2	2.2 3.0 23.4
36147	X = 1463036 Y = 515262 Z = 776734	22 20 14	LAT. = 26 35 59.1 LONG. = 19 24 5.7 RAD. = 1734729.0	1.7 2.9 20.5
45712	X = 1474808 Y = 514715 Z = 754445	21 20 13	LAT. = 25 46 47.5 LONG. = 19 14 21.3 RAD. = 1734697.8	1.5 2.8 20.0
9402	X = 1483677 Y = 517948 Z = 734398	19 21 15	LAT. = 25 2 52.7 LONG. = 19 14 38.3 RAD. = 1734620.4	1.6 2.9 18.3
45714	X = 1486764 Y = 516222 Z = 729281	20 20 13	LAT. = 24 51 43.2 LONG. = 19 8 51.4 RAD. = 1734590.2	1.4 2.8 19.4



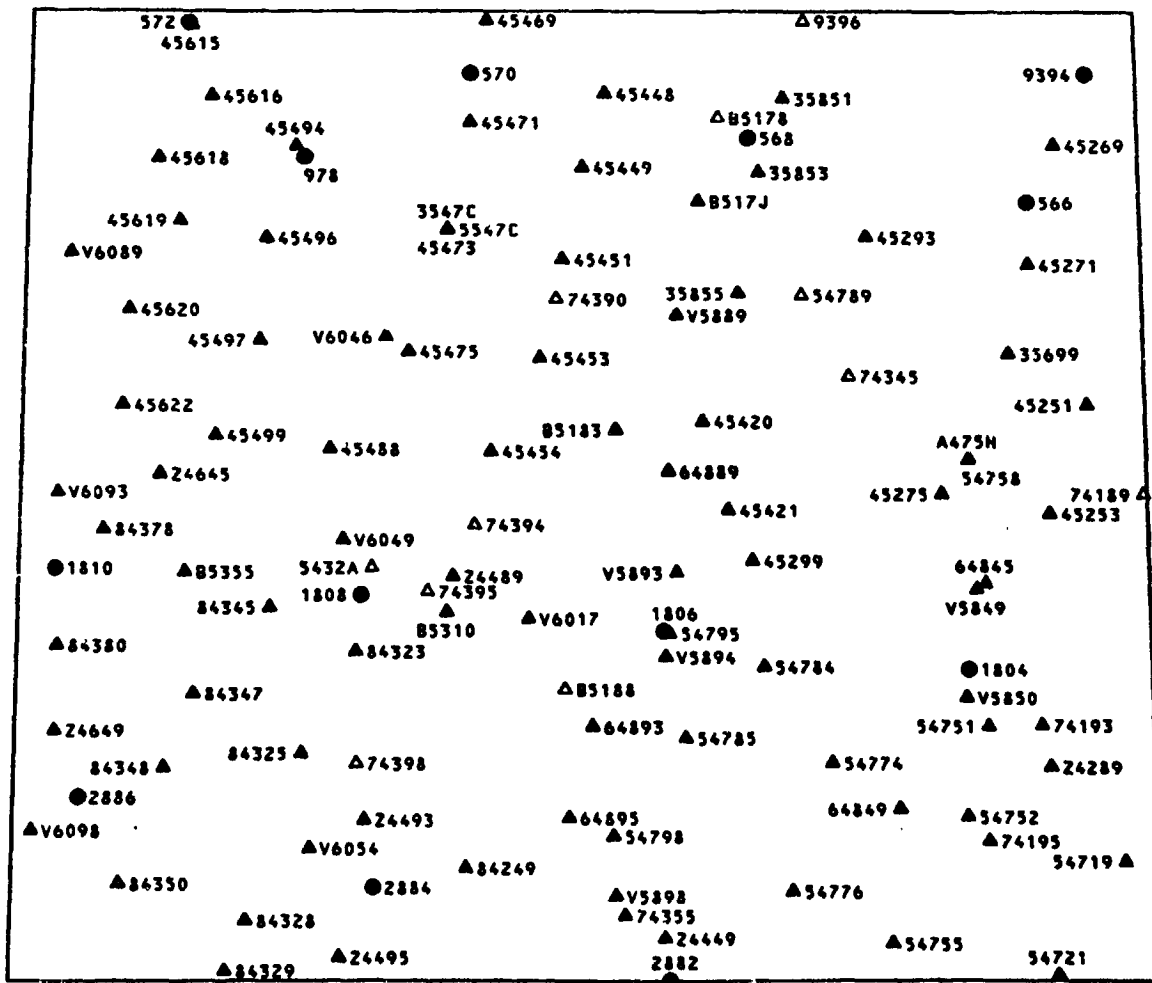
MAP SHEET 42B

TERRAIN POINTS ON MAP SHEET 42B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45645	X = 1465438 Y = 544523 Z = 751820	22 20 13	LAT. = 25 40 59.8 LONG. = 20 23 2.0 RAD. = 1734718.1	1.6 2.8 20.9
45647	X = 1479014 Y = 543788 Z = 725128	21 20 13	LAT. = 24 42 36.2 LONG. = 20 11 13.0 RAD. = 1734646.6	1.5 2.7 19.8
A599A	X = 1444503 Y = 581977 Z = 764066	26 21 15	LAT. = 26 8 1.3 LONG. = 21 56 38.5 RAD. = 1734671.0	2.1 3.0 23.3
45612	X = 1455980 Y = 581845 Z = 742081	21 20 13	LAT. = 25 19 39.1 LONG. = 21 46 58.2 RAD. = 1734677.1	1.5 2.8 19.6
9400	X = 1462374 Y = 586275 Z = 725763	19 20 15	LAT. = 24 43 59.4 LONG. = 21 50 46.2 RAD. = 1734643.7	1.7 2.9 18.1
45614	X = 1467526 Y = 581169 Z = 719450	20 19 13	LAT. = 24 30 13.6 LONG. = 21 36 16.4 RAD. = 1734646.3	1.4 2.7 19.4
35989	X = 1430731 Y = 584039 Z = 787952	26 21 15	LAT. = 27 0 59.3 LONG. = 22 12 20.8 RAD. = 1734635.8	2.2 3.0 23.2
45489	X = 1445950 Y = 612947 Z = 736413	24 20 14	LAT. = 25 7 19.3 LONG. = 22 58 20.5 RAD. = 1734583.6	1.8 2.8 22.1
4549K	X = 1449846 Y = 613999 Z = 727841	26 21 15	LAT. = 24 48 34.5 LONG. = 22 57 8.2 RAD. = 1734589.6	2.0 2.9 23.6
B549A	X = 1458603 Y = 612559 Z = 711538	28 21 15	LAT. = 24 13 .3 LONG. = 22 46 50.1 RAD. = 1734657.6	2.3 2.9 23.9
35945	X = 1406310 Y = 650020 Z = 779945	26 21 15	LAT. = 26 43 19.0 LONG. = 24 48 25.7 RAD. = 1734516.8	2.2 2.9 23.2
35947	X = 1421462 Y = 648524 Z = 753339	22 20 14	LAT. = 25 44 30.0 LONG. = 24 31 27.3 RAD. = 1734547.7	1.7 2.8 20.1

TERRAIN POINTS ON MAP SHEET 42B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
3546G	X = 1433697 Y = 648569 Z = 729700	23 21 15	LAT. = 24 52 41.5 LONG. = 24 20 26.9 RAD. = 1734528.7	1.7 2.9 23.2
9398	X = 1438757 Y = 653545 Z = 715256	19 20 15	LAT. = 24 21 10.0 LONG. = 24 25 46.5 RAD. = 1734570.2	1.7 2.9 17.8
45445	X = 1422449 Y = 680998 Z = 722029	23 20 13	LAT. = 24 35 59.4 LONG. = 25 34 58.0 RAD. = 1734486.9	1.6 2.7 21.9
35849	X = 1409372 Y = 715396 Z = 714241	23 21 15	LAT. = 24 19 4.8 LONG. = 26 54 44.3 RAD. = 1734434.0	1.7 2.8 23.5
35845	X = 1382544 Y = 714882 Z = 765292	26 21 15	LAT. = 26 10 59.4 LONG. = 27 20 32.9 RAD. = 1734403.3	2.2 2.9 23.5
35847	X = 1395765 Y = 715972 Z = 739918	22 19 13	LAT. = 25 15 8.3 LONG. = 27 9 21.6 RAD. = 1734432.0	1.7 2.7 20.2
45289	X = 1395943 Y = 746648 Z = 708131	32 21 15	LAT. = 24 5 58.3 LONG. = 28 8 27.6 RAD. = 1734240.8	1.9 2.9 31.5
35689	X = 1351768 Y = 779762 Z = 757261	26 21 15	LAT. = 25 53 6.6 LONG. = 29 58 42.0 RAD. = 1734574.7	2.2 2.8 23.2
35691	X = 1368892 Y = 779364 Z = 727152	21 19 13	LAT. = 24 46 45.0 LONG. = 29 39 16.5 RAD. = 1734941.9	1.7 2.7 19.7



○ RANGE
OBSERVATION

▲ ● < 30M
▲ ● < 100M
▼ ● > 100M

MAP SHEET 42C

TERRAIN POINTS ON MAP SHEET 42C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V6089	X = 1507399 Y = 560722 Z = 650068	24 21 14	LAT. = 22 0 29.6 LONG. = 20 24 15.0 RAD. = 1734718.1	1.9 2.8 21.3
45620	X = 1506957 Y = 576517 Z = 636784	19 19 12	LAT. = 21 32 15.1 LONG. = 20 56 7.3 RAD. = 1734584.6	1.3 2.6 18.1
45622	X = 1515356 Y = 578504 Z = 614527	20 19 13	LAT. = 20 44 59.6 LONG. = 20 53 41.6 RAD. = 1734535.2	1.3 2.6 18.9
V6093	X = 1528015 Y = 566273 Z = 594181	21 20 12	LAT. = 20 1 59.2 LONG. = 20 20 3.9 RAD. = 1734515.8	1.4 2.7 20.0
84378	X = 1526874 Y = 578475 Z = 585396	19 19 12	LAT. = 19 43 26.8 LONG. = 20 44 59.3 RAD. = 1734551.3	1.3 2.6 18.6
1810	X = 1534266 Y = 568393 Z = 576241	19 20 13	LAT. = 19 24 6.2 LONG. = 20 19 40.6 RAD. = 1734674.8	1.5 2.7 18.0
84380	X = 1539808 Y = 571339 Z = 557964	19 19 12	LAT. = 18 45 50.5 LONG. = 20 21 25.7 RAD. = 1734577.5	1.3 2.6 18.2
Z4649	X = 1546166 Y = 573605 Z = 537820	23 21 13	LAT. = 18 3 44.2 LONG. = 20 21 14.9 RAD. = 1734618.6	1.5 2.7 22.1
2886	X = 1548665 Y = 581456 Z = 521932	20 20 13	LAT. = 17 30 40.5 LONG. = 20 34 44.3 RAD. = 1734609.2	1.5 2.7 18.0
V6098	X = 1555174 Y = 571215 Z = 514029	20 20 13	LAT. = 17 14 13.6 LONG. = 20 10 5.7 RAD. = 1734669.0	1.4 2.6 19.1
84350	X = 1551005 Y = 593504 Z = 501406	19 19 12	LAT. = 16 48 1.9 LONG. = 20 56 23.1 RAD. = 1734725.7	1.3 2.6 18.7
572	X = 1476423 Y = 578742 Z = 703023	19 20 15	LAT. = 23 54 31.8 LONG. = 21 24 16.7 RAD. = 1734649.6	1.6 2.9 18.0

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45615	X = 1476397	20	LAT. = 23 53 14.4	1.4
	Y = 579537	19	LONG. = 21 25 54.3	2.7
	Z = 702429	13	RAD. = 1734651.9	19.0
45616	X = 1480966	20	LAT. = 23 17 59.6	1.4
	Y = 587293	19	LONG. = 21 37 52.8	2.7
	Z = 686121	13	RAD. = 1734627.9	18.4
45618	X = 1491329	19	LAT. = 22 47 15.0	1.4
	Y = 577431	20	LONG. = 21 9 57.6	2.7
	Z = 671838	14	RAD. = 1734605.5	19.1
45619	X = 1494810	19	LAT. = 22 16 18.1	1.3
	Y = 584962	19	LONG. = 21 22 18.6	2.7
	Z = 657411	13	RAD. = 1734596.6	18.5
45499	X = 1509267	19	LAT. = 20 29 56.9	1.3
	Y = 601512	19	LONG. = 21 43 46.3	2.6
	Z = 607428	12	RAD. = 1734553.0	18.4
24645	X = 1517490	25	LAT. = 20 10 41.6	2.0
	Y = 589814	20	LONG. = 21 14 23.9	2.8
	Z = 598316	14	RAD. = 1734542.3	22.1
85355	X = 1522781	22	LAT. = 19 22 20.5	2.1
	Y = 599034	22	LONG. = 21 28 25.5	2.8
	Z = 575369	21	RAD. = 1734575.6	24.0
84347	X = 1531132	19	LAT. = 18 21 52.3	1.3
	Y = 605236	19	LONG. = 21 34 5.6	2.6
	Z = 546557	12	RAD. = 1734762.2	18.4
84348	X = 1538965	19	LAT. = 17 45 14.5	1.3
	Y = 600620	19	LONG. = 21 19 10.1	2.6
	Z = 528943	12	RAD. = 1734629.5	18.1
84329	X = 1547964	20	LAT. = 16 4 54.0	1.4
	Y = 621509	19	LONG. = 21 52 31.8	2.6
	Z = 480886	13	RAD. = 1736006.1	19.7
45494	X = 1477423	19	LAT. = 22 53 4.4	1.3
	Y = 609141	19	LONG. = 22 24 22.8	2.6
	Z = 674544	12	RAD. = 1734601.5	18.1
978	X = 1477595	23	LAT. = 22 47 45.3	1.6
	Y = 611528	21	LONG. = 22 28 59.0	2.8
	Z = 672083	16	RAD. = 1734631.8	23.5

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45496	X = 1488175 Y = 605900 Z = 653325	19 19 12	LAT. = 22 7 36.4 LONG. = 22 9 12.0 RAD. = 1734535.1	1.3 2.6 18.2
45497	X = 1497305 Y = 608437 Z = 629566	19 19 13	LAT. = 21 16 57.2 LONG. = 22 6 52.5 RAD. = 1734494.7	1.3 2.6 18.3
45488	X = 1499388 Y = 628658 Z = 604296	19 19 12	LAT. = 2 23 20.9 LONG. = 2 44 49.8 RAD. = 1734517.0	1.3 2.6 18.2
V6049	X = 1505355 Y = 635103 Z = 582992	21 19 12	LAT. = 19 38 15.1 LONG. = 22 52 28.8 RAD. = 1734741.5	1.4 2.6 19.4
84345	X = 1517532 Y = 620270 Z = 567651	19 19 12	LAT. = 19 4 47.8 LONG. = 22 13 53.8 RAD. = 1734699.8	1.3 2.6 17.9
84323	X = 1512375 Y = 641704 Z = 556671	19 19 12	LAT. = 18 43 6.0 LONG. = 22 59 29.8 RAD. = 1734631.1	1.3 2.6 18.0
84325	X = 1524990 Y = 632414 Z = 532469	19 19 12	LAT. = 17 52 33.6 LONG. = 22 31 25.7 RAD. = 1734665.4	1.3 2.6 17.7
V6054	X = 1531271 Y = 637301 Z = 510013	20 20 17	LAT. = 17 5 33.0 LONG. = 22 35 47.9 RAD. = 1735239.2	1.7 2.7 21.1
84328	X = 1542795 Y = 624851 Z = 492922	20 19 12	LAT. = 16 29 44.7 LONG. = 22 2 54.8 RAD. = 1735980.7	1.3 2.6 19.3
Z4495	X = 1536221 Y = 647865 Z = 484132	22 20 14	LAT. = 16 11 31.8 LONG. = 22 51 58.9 RAD. = 1736112.4	1.5 2.7 21.8
570	X = 1453684 Y = 646433 Z = 691298	19 20 15	LAT. = 23 29 9.9 LONG. = 23 58 26.5 RAD. = 1734637.1	1.6 2.8 17.8
45471	X = 1457991 Y = 648517 Z = 679990	20 19 13	LAT. = 23 4 49.9 LONG. = 23 58 46.5 RAD. = 1734560.1	1.4 2.7 19.0

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
3547C	X = 1469552 Y = 647659 Z = 655319	21 21 21	LAT. = 22 11 54.1 LONG. = 23 47 2.3 RAD. = 1734499.2	2.0 2.8 23.3
5547C	X = 1469553 Y = 647667 Z = 655309	26 21 15	LAT. = 22 11 52.8 LONG. = 23 47 3.2 RAD. = 1734499.6	2.1 2.9 23.6
45473	X = 1469563 Y = 647672 Z = 655303	20 19 13	LAT. = 22 11 51.7 LONG. = 23 47 3.3 RAD. = 1734507.7	1.4 2.7 19.3
V6046	X = 1484754 Y = 637610 Z = 630410	23 20 14	LAT. = 21 18 45.2 LONG. = 23 14 25.8 RAD. = 1734490.7	1.8 2.7 21.1
45475	X = 1483714 Y = 643297 Z = 627035	19 19 12	LAT. = 21 11 35.2 LONG. = 23 26 24.7 RAD. = 1734476.9	1.3 2.6 17.7
5432A	X = 1504571 Y = 642682 Z = 576434	29 32 20	LAT. = 19 24 31.1 LONG. = 23 7 47.7 RAD. = 1734661.0	1.8 3.4 36.8
24489	X = 1496949 Y = 661633 Z = 574335	24 20 14	LAT. = 19 20 13.5 LONG. = 23 50 41.4 RAD. = 1734495.9	1.9 2.7 21.9
74395	X = 1500580 Y = 656449 Z = 570751	33 33 20	LAT. = 19 12 42.5 LONG. = 23 37 39.5 RAD. = 1734480.6	1.8 2.3 40.6
1808	X = 1507603 Y = 641102 Z = 570030	19 19 13	LAT. = 19 11 7.1 LONG. = 23 2 14.8 RAD. = 1734592.9	1.5 2.7 17.6
85310	X = 1500276 Y = 661545 Z = 565940	22 22 20	LAT. = 19 2 33.1 LONG. = 23 47 42.1 RAD. = 1734577.1	2.0 2.8 24.0
74398	X = 1520091 Y = 645474 Z = 530109	29 36 29	LAT. = 17 47 46.9 LONG. = 23 0 26.8 RAD. = 1734453.3	2.5 3.7 40.7
24493	X = 1523745 Y = 649269 Z = 516772	22 20 13	LAT. = 17 19 11.0 LONG. = 23 4 44.1 RAD. = 1735050.8	1.5 2.7 21.9

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84249	X = 1516978 Y = 674334 Z = 505370	22 20 13	LAT. = 16 55 52.8 LONG. = 23 57 58.7 RAD. = 1735323.6	1.5 2.7 20.5
2884	X = 1527761 Y = 653510 Z = 500760	19 19 13	LAT. = 16 46 14.6 LONG. = 23 9 32.9 RAD. = 1735480.2	1.5 2.7 17.7
45469	X = 1447130 Y = 647886 Z = 703402	20 19 13	LAT. = 23 55 25.5 LONG. = 24 7 5.7 RAD. = 1734565.3	1.4 2.7 18.7
45449	X = 1450236 Y = 675949 Z = 669632	20 19 13	LAT. = 22 42 35.7 LONG. = 24 59 24.1 RAD. = 1734502.3	1.4 2.6 19.0
45451	X = 1460446 Y = 675244 Z = 648445	19 19 12	LAT. = 21 57 .3 LONG. = 24 48 49.2 RAD. = 1734744.0	1.3 2.6 17.9
74390	X = 1464369 Y = 675492 Z = 639313	42 29 18	LAT. = 21 37 30.2 LONG. = 24 45 47.5 RAD. = 1734758.1	3.4 3.0 40.1
45453	X = 1470857 Y = 673860 Z = 625558	19 19 12	LAT. = 21 8 21.3 LONG. = 24 36 52.0 RAD. = 1734597.9	1.3 2.6 17.9
45454	X = 1483423 Y = 666070 Z = 603692	19 19 12	LAT. = 20 22 3.1 LONG. = 24 10 49.8 RAD. = 1734542.7	1.3 2.6 18.1
74394	X = 1490688 Y = 664942 Z = 586463	35 31 17	LAT. = 19 45 46.9 LONG. = 24 2 23.8 RAD. = 1734427.3	1.9 3.1 40.3
V6017	X = 1492390 Y = 680631 Z = 564392	22 20 13	LAT. = 18 59 15.2 LONG. = 24 30 58.3 RAD. = 1734653.5	1.5 2.6 21.0
B5188	X = 1493576 Y = 691285 Z = 547610	22 26 24	LAT. = 18 24 14.2 LONG. = 24 50 11.5 RAD. = 1734509.1	2.3 3.0 28.4
64895	X = 1502639 Y = 696542 Z = 517278	24 22 16	LAT. = 17 20 41.2 LONG. = 24 52 11.6 RAD. = 1735128.4	1.6 2.8 25.2

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45448	X = 1441272 Y = 678084 Z = 686633	20 19 13	LAT. = 23 19 11.9 LONG. = 25 11 45.1 RAD. = 1734510.5	1.4 2.7 19.0
V5889	X = 1452545 Y = 703211 Z = 635530	23 20 14	LAT. = 21 29 41.4 LONG. = 25 49 57.8 RAD. = 1734442.6	1.9 2.7 21.0
B5183	X = 1468477 Y = 693817 Z = 608697	25 25 16	LAT. = 20 32 42.5 LONG. = 25 17 22.2 RAD. = 1734450.2	1.6 2.9 28.4
64889	X = 1465975 Y = 707368 Z = 599007	28 21 16	LAT. = 20 12 13.9 LONG. = 25 45 30.3 RAD. = 1734434.2	2.3 2.8 25.3
V5893	X = 1472795 Y = 712642 Z = 575101	22 20 13	LAT. = 19 21 59.1 LONG. = 25 49 15.5 RAD. = 1734279.0	1.5 2.6 20.8
1806	X = 1478509 Y = 711673 Z = 561304	19 19 13	LAT. = 18 53 4.6 LONG. = 25 42 12.9 RAD. = 1734223.0	1.5 2.6 17.1
54795	X = 1478104 Y = 713122 Z = 560745	30 33 19	LAT. = 18 51 51.5 LONG. = 25 45 19.2 RAD. = 1734292.3	1.8 3.3 37.6
V5894	X = 1480261 Y = 713107 Z = 555213	21 20 14	LAT. = 18 40 14.4 LONG. = 25 43 19.7 RAD. = 1734346.0	1.5 2.6 20.9
64893	X = 1493437 Y = 699071 Z = 538843	25 22 15	LAT. = 18 5 46.6 LONG. = 25 5 2.6 RAD. = 1734763.8	1.7 2.8 25.3
54785	X = 1484290 Y = 720593 Z = 536172	21 21 18	LAT. = 18 0 7.6 LONG. = 25 53 44.3 RAD. = 1734892.8	1.7 2.7 23.0
54798	X = 1499170 Y = 707250 Z = 512851	21 21 14	LAT. = 17 11 29.5 LONG. = 25 15 22.0 RAD. = 1735145.3	1.5 2.7 20.5
V5898	X = 1502928 Y = 709536 Z = 498630	20 20 17	LAT. = 16 42 .8 LONG. = 25 16 19.6 RAD. = 1735185.2	1.7 2.6 21.0

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
74355	X = 1503128	22	LAT. = 16 32 19.7	2.0
	Y = 712300	22	LONG. = 25 21 19.0	2.8
	Z = 493935	20	RAD. = 1735147.9	24.2
24449	X = 1500275	22	LAT. = 16 21 11.5	1.5
	Y = 722133	20	LONG. = 25 42 11.1	2.6
	Z = 488566	13	RAD. = 1735222.6	21.4
2882	X = 1502507	19	LAT. = 16 0 26.1	1.5
	Y = 724386	19	LONG. = 25 44 22.4	2.6
	Z = 478523	13	RAD. = 1735294.2	17.5
9396	X = 1414374	28	LAT. = 23 55 8.6	1.8
	Y = 720567	30	LONG. = 26 59 49.3	3.2
	Z = 704046	19	RAD. = 1736476.4	35.1
35851	X = 1421915	20	LAT. = 23 16 56.2	1.5
	Y = 718452	19	LONG. = 26 48 22.1	2.7
	Z = 685520	14	RAD. = 1734345.4	20.2
B5178	X = 1430939	30	LAT. = 23 7 26.1	2.7
	Y = 704705	24	LONG. = 26 13 19.5	2.8
	Z = 681152	16	RAD. = 1734442.3	28.2
568	X = 1429338	19	LAT. = 22 57 33.9	1.6
	Y = 712298	20	LONG. = 26 29 20.3	2.8
	Z = 676547	15	RAD. = 1734385.4	17.6
35853	X = 1431190	20	LAT. = 22 40 20.8	1.5
	Y = 716063	19	LONG. = 26 34 48.1	2.7
	Z = 668528	15	RAD. = 1734352.7	20.2
B517J	X = 1440462	29	LAT. = 22 26 6.8	2.3
	Y = 703791	24	LONG. = 26 2 22.3	2.8
	Z = 661945	15	RAD. = 1734480.9	28.2
35855	X = 1443738	20	LAT. = 21 40 38.5	1.6
	Y = 716370	19	LONG. = 26 23 24.7	2.7
	Z = 640634	16	RAD. = 1734351.8	20.2
54789	X = 1436661	40	LAT. = 21 39 44.1	3.7
	Y = 730574	30	LONG. = 26 57 15.7	2.9
	Z = 640162	21	RAD. = 1734226.2	37.3
45420	X = 1458175	19	LAT. = 20 36 56.6	1.3
	Y = 713274	18	LONG. = 26 3 56.9	2.6
	Z = 610659	12	RAD. = 1734340.8	17.6

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

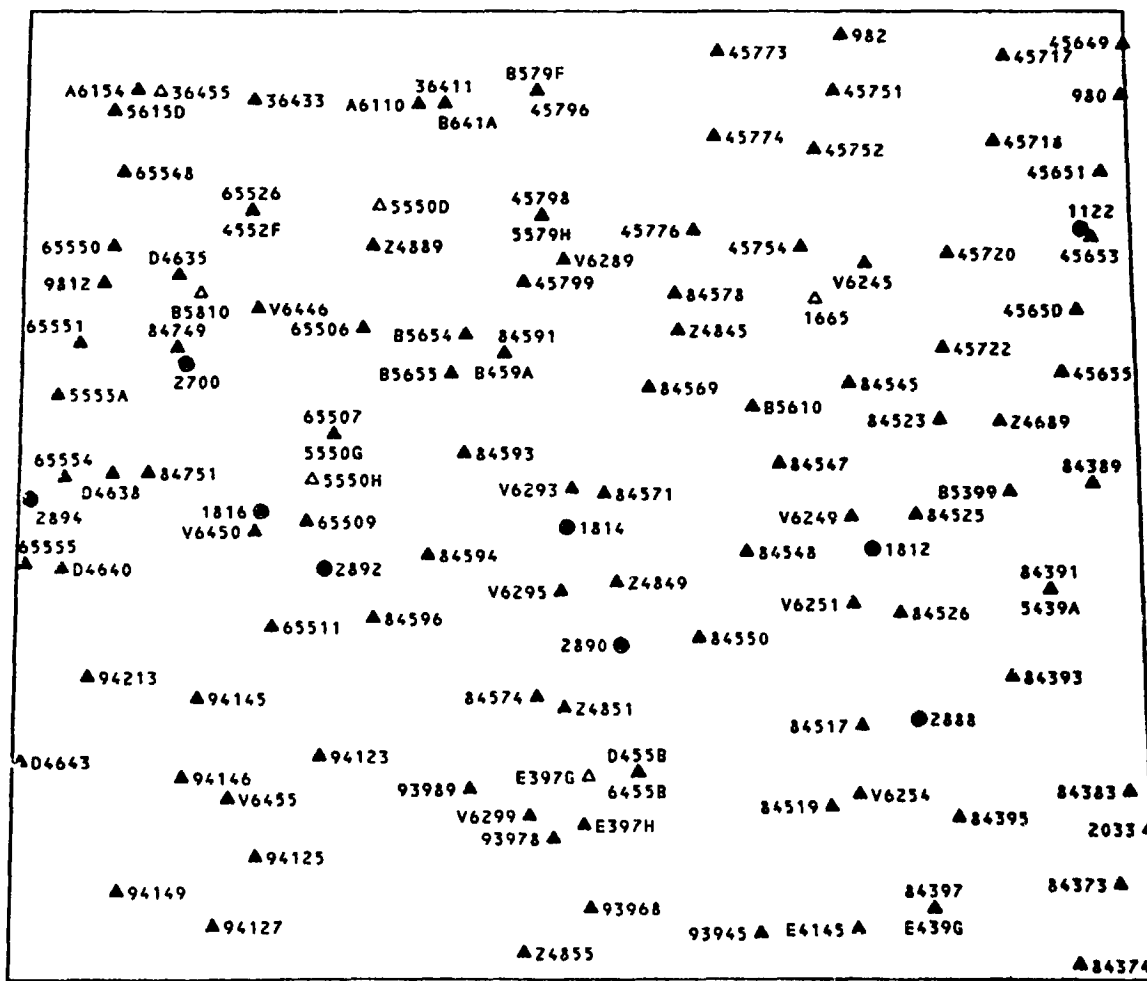
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45421	X = 1462162 Y = 722298 Z = 589878	27 20 17	LAT. = 19 53 6.6 LONG. = 26 17 20.6 RAD. = 1734239.8	1.7 2.9 26.2
45299	X = 1463406 Y = 729484 Z = 577858	21 20 13	LAT. = 19 27 48.0 LONG. = 26 29 43.8 RAD. = 1734250.5	1.4 2.6 21.7
54784	X = 1470301 Y = 735896 Z = 552939	19 18 11	LAT. = 18 35 16.2 LONG. = 26 35 17.9 RAD. = 1734666.7	1.3 2.5 17.3
54776	X = 1482988 Y = 749450 Z = 499636	19 18 12	LAT. = 16 44 8.8 LONG. = 26 48 37.5 RAD. = 1735097.7	1.3 2.5 17.6
45293	X = 1424490 Y = 742709 Z = 653660	23 22 15	LAT. = 22 8 27.0 LONG. = 27 32 12.8 RAD. = 1734376.1	1.7 2.8 23.9
74345	X = 1437853 Y = 744321 Z = 621263	40 30 22	LAT. = 20 59 32.8 LONG. = 27 22 7.8 RAD. = 1734186.4	3.8 3.0 37.9
54774	X = 1469590 Y = 754538 Z = 530166	19 18 12	LAT. = 47 34.6 LONG. = 10 39.1 RAD. = 1734963.2	1.3 2.5 17.7
64849	X = 1464896 Y = 771236 Z = 519234	25 21 14	LAT. = 17 24 48.5 LONG. = 27 45 57.0 RAD. = 1735030.0	1.7 2.7 24.2
54755	X = 1474829 Y = 773669 Z = 487140	19 18 12	LAT. = 16 18 15.0 LONG. = 27 40 50.5 RAD. = 1735220.7	1.3 2.5 17.9
566	X = 1402461 Y = 777219 Z = 661868	20 20 16	LAT. = 22 25 48.3 LONG. = 28 59 40.1 RAD. = 1734657.0	1.8 2.9 17.6
45271	X = 1407630 Y = 779823 Z = 647416	21 20 13	LAT. = 21 54 57.2 LONG. = 28 59 10.8 RAD. = 1734558.5	1.6 2.6 20.9
35699	X = 1417253 Y = 779096 Z = 626645	18 18 12	LAT. = 21 10 47.2 LONG. = 28 47 55.0 RAD. = 1734439.8	1.4 2.5 17.1

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A475H	X = 1430709 Y = 774322 Z = 602004	24 32 32	LAT. = 20 18 25.6 LONG. = 28 25 22.6 RAD. = 1734621.7	2.8 3.4 36.5
54758	X = 1430603 Y = 774336 Z = 601893	20 18 12	LAT. = 20 18 16.7 LONG. = 28 25 30.5 RAD. = 1734502.0	1.4 2.5 18.0
45275	X = 1436488 Y = 769611 Z = 593699	26 23 16	LAT. = 20 1 1.5 LONG. = 28 10 50.1 RAD. = 1734439.2	1.6 2.7 28.6
64845	X = 1438832 Y = 783041 Z = 572958	28 20 16	LAT. = 19 16 41.6 LONG. = 28 33 21.2 RAD. = 1735416.4	2.2 2.8 24.1
V5849	X = 1440141 Y = 781217 Z = 571506	21 19 13	LAT. = 19 13 47.8 LONG. = 28 28 40.8 RAD. = 1735201.9	1.5 2.6 20.4
1804	X = 1446801 Y = 781971 Z = 552487	19 18 13	LAT. = 18 34 9.3 LONG. = 28 23 25.7 RAD. = 1734921.4	1.5 2.6 16.8
V5850	X = 1449065 Y = 782510 Z = 545791	21 19 14	LAT. = 18 20 9.5 LONG. = 28 22 10.2 RAD. = 1734935.1	1.5 2.6 20.4
54751	X = 1448623 Y = 788381 Z = 539036	20 19 14	LAT. = 18 5 57.2 LONG. = 28 33 22.6 RAD. = 1735111.7	1.5 2.5 19.7
54752	X = 1457464 Y = 786687 Z = 517418	19 18 13	LAT. = 17 20 57.3 LONG. = 28 21 31.0 RAD. = 1735165.5	1.4 2.5 18.0
74195	X = 1456604 Y = 792156 Z = 511670	23 22 16	LAT. = 17 8 59.5 LONG. = 28 32 20.5 RAD. = 1735227.0	1.7 2.7 24.8
9394	X = 1384068 Y = 784442 Z = 691303	19 19 15	LAT. = 23 29 11.5 LONG. = 29 32 35.1 RAD. = 1734616.5	1.7 2.8 17.6
45269	X = 1394267 Y = 780668 Z = 675009	20 19 14	LAT. = 22 54 1.2 LONG. = 29 14 42.1 RAD. = 1734664.3	1.5 2.6 19.8

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45251	X = 1412086	27	LAT. = 20 45 34.4	2.1
	Y = 798437	20	LONG. = 29 29 6.6	2.8
	Z = 614901	15	RAD. = 1734817.6	23.5
74189	X = 1412374	47	LAT. = 20 1 13.4	2.9
	Y = 814285	21	LONG. = 29 57 54.0	3.8
	Z = 594036	17	RAD. = 1735148.2	37.9
45253	X = 1425135	19	LAT. = 19 51 36.5	1.3
	Y = 794443	18	LONG. = 29 8 15.2	2.5
	Z = 589350	12	RAD. = 1734786.2	17.7
74193	X = 1442097	24	LAT. = 18 6 34.0	1.7
	Y = 800175	21	LONG. = 29 1 28.3	2.7
	Z = 539349	15	RAD. = 1735171.4	24.5
24289	X = 1444029	24	LAT. = 17 45 51.0	1.9
	Y = 803540	19	LONG. = 29 5 38.7	2.6
	Z = 529433	14	RAD. = 1735279.6	21.2
54719	X = 1441554	18	LAT. = 16 58 57.4	1.3
	Y = 822794	18	LONG. = 29 42 58.9	2.4
	Z = 506913	12	RAD. = 1735519.7	17.4
54721	X = 1457474	19	LAT. = 16 2 42.9	1.3
	Y = 811479	18	LONG. = 29 6 28.0	2.4
	Z = 479760	13	RAD. = 1735770.0	17.8



○ RANGE
 OBSERVATION ▲ $\sigma < 30M$
 ▲ $\sigma < 100M$
 ▼ $\sigma > 100M$

MAP SHEET 42D

TERRAIN POINTS ON MAP SHEET 42D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A6154	X = 1563359 Y = 303696 Z = 687487	20 21 13	LAT. = 23 20 56.1 LONG. = 10 59 35.8 RAD. = 1734635.5	1.4 2.9 20.3
5615D	X = 1566449 Y = 298470 Z = 682688	25 24 17	LAT. = 23 10 35.7 LONG. = 10 47 16.0 RAD. = 1734621.1	1.8 3.2 25.5
65548	X = 1571878 Y = 302203 Z = 668568	19 21 12	LAT. = 22 40 9.8 LONG. = 10 52 57.6 RAD. = 1734678.7	1.3 2.8 19.2
65550	X = 1579275 Y = 301442 Z = 651515	21 21 13	LAT. = 22 3 32.5 LONG. = 10 48 22.6 RAD. = 1734776.3	1.4 2.9 21.4
9812	X = 1583041 Y = 299942 Z = 642914	25 23 16	LAT. = 21 45 11.9 LONG. = 10 43 43.5 RAD. = 1734739.9	1.6 3.0 25.9
65551	X = 1589575 Y = 295234 Z = 628915	20 21 12	LAT. = 21 15 21.3 LONG. = 10 31 18.2 RAD. = 1734775.3	1.3 2.8 19.6
5555A	X = 1595022 Y = 290695 Z = 616870	23 23 21	LAT. = 20 49 50.9 LONG. = 10 19 43.9 RAD. = 1734683.3	2.0 3.0 25.5
D4638	X = 1599327 Y = 306053 Z = 598295	23 22 15	LAT. = 20 10 28.5 LONG. = 10 50 .1 RAD. = 1734783.1	1.5 2.9 23.3
65554	X = 1602067 Y = 294234 Z = 597626	21 22 14	LAT. = 20 8 52.7 LONG. = 10 24 24.9 RAD. = 1735035.9	1.5 2.9 20.8
2894	X = 1605617 Y = 286111 Z = 592617	20 22 14	LAT. = 19 58 9.9 LONG. = 10 6 13.4 RAD. = 1735240.4	1.5 2.9 19.6
65555	X = 1612404 Y = 286428 Z = 577643	21 22 14	LAT. = 19 25 44.9 LONG. = 10 4 22.7 RAD. = 1736536.5	1.5 2.9 20.7
D4640	X = 1610788 Y = 295655 Z = 576425	22 22 16	LAT. = 19 23 26.5 LONG. = 10 24 2.4 RAD. = 1736178.4	1.5 2.9 23.2

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
94213	X = 1619978 Y = 304504 Z = 551316	20 21 13	LAT. = 18 29 36.0 LONG. = 10 38 44.1 RAD. = 1738102.6	1.3 2.8 20.2
D4643	X = 1628310 Y = 289129 Z = 530807	24 24 20	LAT. = 17 47 41.5 LONG. = 10 4 7.4 RAD. = 1736877.9	2.0 3.0 25.9
94149	X = 1632767 Y = 315344 Z = 499576	22 22 14	LAT. = 16 43 16.3 LONG. = 10 55 52.4 RAD. = 1736359.6	1.4 2.8 21.7
36455	X = 1562418 Y = 309345 Z = 687102	26 28 35	LAT. = 23 20 6.3 LONG. = 11 11 57.2 RAD. = 1734633.9	3.1 3.5 36.0
D4635	X = 1578557 Y = 318415 Z = 644709	24 22 13	LAT. = 21 49 7.9 LONG. = 11 24 15.3 RAD. = 1734612.2	1.6 3.0 23.4
B5810	X = 1579055 Y = 324294 Z = 640492	31 24 35	LAT. = 21 40 9.0 LONG. = 11 36 20.1 RAD. = 1734593.0	3.1 3.3 37.6
84749	X = 1585246 Y = 319717 Z = 627854	26 23 15	LAT. = 21 13 6.2 LONG. = 11 24 9.4 RAD. = 1734769.0	1.7 3.0 25.4
2700	X = 1586218 Y = 322062 Z = 624156	21 23 15	LAT. = 21 5 15.3 LONG. = 11 28 37.9 RAD. = 1734757.3	1.7 3.1 20.8
84751	X = 1597553 Y = 314950 Z = 598465	25 23 16	LAT. = 20 10 49.2 LONG. = 11 9 9.3 RAD. = 1734799.6	1.6 3.0 25.5
94145	X = 1615999 Y = 332231 Z = 546087	21 21 13	LAT. = 18 18 52.8 LONG. = 11 37 3.0 RAD. = 1737826.8	1.4 2.8 20.5
94146	X = 1622550 Y = 329854 Z = 527115	21 21 14	LAT. = 17 39 33.1 LONG. = 11 29 28.5 RAD. = 1737619.4	1.4 2.8 20.7
V6455	X = 1621940 Y = 341782 Z = 522138	20 21 15	LAT. = 17 29 4.7 LONG. = 11 53 58.2 RAD. = 1737853.2	1.5 2.8 20.4

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
94127	X = 1630199 Y = 339963 Z = 491177	21 22 14	LAT. = 16 26 1.0 LONG. = 11 46 46.8 RAD. = 1736196.7	1.4 2.8 21.2
36433	X = 1558489 Y = 333023 Z = 685229	19 21 13	LAT. = 23 15 58.3 LONG. = 12 3 42.3 RAD. = 1734742.4	1.3 2.8 19.3
65526	X = 1568931 Y = 335205 Z = 659608	21 21 12	LAT. = 22 20 58.2 LONG. = 12 3 36.1 RAD. = 1734644.1	1.4 2.8 19.9
4552F	X = 1568962 Y = 335168 Z = 659543	22 23 21	LAT. = 22 20 50.1 LONG. = 12 3 30.6 RAD. = 1734640.4	2.0 3.0 24.8
V6446	X = 1577496 Y = 338861 Z = 636932	23 22 14	LAT. = 21 32 31.1 LONG. = 12 7 24.4 RAD. = 1734647.5	1.6 2.9 22.3
65507	X = 1584197 Y = 360406 Z = 607539	22 21 13	LAT. = 20 30 10.8 LONG. = 12 49 .0 RAD. = 1734553.5	1.4 2.8 22.1
5550G	X = 1584193 Y = 360359 Z = 607501	31 23 35	LAT. = 20 30 7.3 LONG. = 12 48 54.4 RAD. = 1734527.1	3.1 3.1 38.2
5550H	X = 1589483 Y = 355872 Z = 596910	30 23 38	LAT. = 20 7 33.9 LONG. = 12 37 11.8 RAD. = 1734763.4	3.4 3.1 38.0
1816	X = 1594997 Y = 343759 Z = 589482	20 21 13	LAT. = 19 51 50.8 LONG. = 12 9 45.1 RAD. = 1734841.3	1.5 2.9 19.3
65509	X = 1593366 Y = 355334 Z = 587074	21 21 13	LAT. = 19 46 45.6 LONG. = 12 34 18.2 RAD. = 1734858.2	1.3 2.8 20.4
V6450	X = 1596996 Y = 342696 Z = 584728	22 22 14	LAT. = 19 41 49.3 LONG. = 12 6 40.7 RAD. = 1734861.2	1.5 2.9 22.2
2892	X = 1596225 Y = 360837 Z = 576081	20 21 14	LAT. = 19 23 35.1 LONG. = 12 44 16.7 RAD. = 1734937.4	1.5 2.9 19.2

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
65511	X = 1603783	20	LAT. = 18 54 31.7	1.3
	Y = 348882	21	LONG. = 12 16 21.8	2.7
	Z = 562222	12	RAD. = 1734915.4	19.6
94123	X = 1612908	20	LAT. = 17 50 15.9	1.3
	Y = 363509	21	LONG. = 12 42 3.0	2.7
	Z = 532039	13	RAD. = 1736858.0	19.5
94125	X = 1623332	20	LAT. = 17 0 17.0	1.3
	Y = 349289	21	LONG. = 12 3 35.1	2.7
	Z = 507810	13	RAD. = 1736398.6	19.8
36411	X = 1547985	22	LAT. = 23 13 59.9	2.1
	Y = 380350	22	LONG. = 13 48 16.2	3.0
	Z = 684299	22	RAD. = 1734701.1	24.6
B641A	X = 1547977	35	LAT. = 23 13 56.1	1.8
	Y = 380310	23	LONG. = 13 48 11.3	3.2
	Z = 684256	21	RAD. = 1734668.6	37.0
A6110	X = 1549644	20	LAT. = 23 13 43.7	1.4
	Y = 373800	21	LONG. = 13 33 41.9	2.8
	Z = 684177	13	RAD. = 1734710.3	19.9
5550D	X = 1561449	36	LAT. = 22 23 15.5	1.8
	Y = 366660	23	LONG. = 13 12 53.3	3.3
	Z = 660684	22	RAD. = 1734665.6	38.2
Z4889	X = 1565487	25	LAT. = 22 3 30.0	2.0
	Y = 365898	22	LONG. = 13 9 19.7	2.9
	Z = 651448	14	RAD. = 1734651.1	23.1
65506	X = 1573458	20	LAT. = 21 22 38.1	1.3
	Y = 365265	21	LONG. = 13 4 9.2	2.8
	Z = 632289	12	RAD. = 1734640.7	19.8
B5654	X = 1567870	22	LAT. = 21 19 32.6	2.0
	Y = 390858	23	LONG. = 13 59 53.0	3.0
	Z = 630831	20	RAD. = 1734628.5	24.8
B5655	X = 1572168	22	LAT. = 21 0 15.1	2.1
	Y = 388063	23	LONG. = 13 51 55.2	3.0
	Z = 621748	22	RAD. = 1734610.9	24.8
84593	X = 1578182	20	LAT. = 20 20 48.4	1.3
	Y = 392998	21	LONG. = 13 59 .0	2.8
	Z = 603125	13	RAD. = 1734608.5	20.5

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84594	X = 1588925 Y = 386172 Z = 579117	20 21 12	LAT. = 19 30 7.9 LONG. = 13 39 37.0 RAD. = 1734700.7	1.3 2.7 20.2
84596	X = 1597530 Y = 373906 Z = 564288	20 21 13	LAT. = 18 58 46.8 LONG. = 13 10 23.1 RAD. = 1735030.3	1.3 2.8 19.9
B579F	X = 1541044 Y = 402652 Z = 687268	24 22 16	LAT. = 23 20 23.0 LONG. = 14 38 35.4 RAD. = 1734728.6	1.6 3.0 24.6
45796	X = 1541016 Y = 402668 Z = 687246	20 20 13	LAT. = 23 20 21.6 LONG. = 14 38 38.4 RAD. = 1734698.6	1.3 2.8 19.3
45798	X = 1552409 Y = 406915 Z = 658441	19 20 13	LAT. = 22 18 26.7 LONG. = 14 41 16.2 RAD. = 1734674.9	1.3 2.8 19.0
5579H	X = 1552431 Y = 406887 Z = 658439	27 24 16	LAT. = 22 18 25.8 LONG. = 14 41 12.1 RAD. = 1734687.2	1.6 3.0 28.2
V6289	X = 1555088 Y = 413169 Z = 648175	23 21 14	LAT. = 21 56 28.5 LONG. = 14 52 44.7 RAD. = 1734686.5	1.8 2.9 21.9
45799	X = 1559615 Y = 403957 Z = 643006	19 20 12	LAT. = 21 45 27.6 LONG. = 14 31 16.0 RAD. = 1734657.4	1.3 2.7 18.6
84591	X = 1567140 Y = 400823 Z = 626406	20 21 12	LAT. = 21 10 7.6 LONG. = 14 20 48.5 RAD. = 1734638.5	1.3 2.8 19.7
B459A	X = 1567159 Y = 400819 Z = 626379	22 22 21	LAT. = 21 10 3.8 LONG. = 14 20 47.5 RAD. = 1734645.2	2.0 3.0 24.7
V6293	X = 1574385 Y = 420188 Z = 594683	22 21 14	LAT. = 20 2 58.4 LONG. = 14 56 36.2 RAD. = 1734616.8	1.5 2.8 21.8
1814	X = 1577846 Y = 419715 Z = 585658	20 21 13	LAT. = 19 43 58.8 LONG. = 14 53 45.7 RAD. = 1734575.7	1.5 2.8 18.7

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V6295	X = 1583416 Y = 419612 Z = 570497	22 21 14	LAT. = 19 12 6.7 LONG. = 14 50 32.9 RAD. = 1734573.9	1.5 2.8 21.8
84574	X = 1593434 Y = 415715 Z = 545545	20 20 13	LAT. = 18 19 44.8 LONG. = 14 37 19.5 RAD. = 1734782.6	1.3 2.7 19.5
Z4851	X = 1592446 Y = 422751 Z = 542918	22 22 .5	LAT. = 18 14 17.0 LONG. = 14 52 3.1 RAD. = 1734751.9	1.5 2.8 22.9
93989	X = 1604567 Y = 400990 Z = 523623	21 21 13	LAT. = 17 34 3.4 LONG. = 14 1 52.1 RAD. = 1734822.5	1.4 2.7 20.2
V6299	X = 1602700 Y = 416069 Z = 517207	20 21 14	LAT. = 17 20 47.5 LONG. = 14 33 10.9 RAD. = 1734723.0	1.5 2.7 20.1
93978	X = 1602720 Y = 422363 Z = 511873	27 21 14	LAT. = 17 9 44.8 LONG. = 14 45 48.4 RAD. = 1734679.8	1.9 2.8 24.7
Z4855	X = 1613498 Y = 417203 Z = 484722	21 22 19	LAT. = 16 13 1.6 LONG. = 14 29 50.9 RAD. = 1735623.6	1.9 2.8 22.9
84578	X = 1550658 Y = 441108 Z = 640331	20 20 12	LAT. = 21 39 43.9 LONG. = 15 52 45.1 RAD. = 1734687.6	1.3 2.7 19.0
Z4845	X = 1553628 Y = 442649 Z = 631866	25 21 14	LAT. = 21 21 44.4 LONG. = 15 54 10.5 RAD. = 1734633.5	1.9 2.9 23.0
84569	X = 1560720 Y = 436694 Z = 618418	20 20 13	LAT. = 20 53 9.7 LONG. = 15 37 54.3 RAD. = 1734643.6	1.3 2.7 19.8
84571	X = 1572584 Y = 428133 Z = 593665	20 20 13	LAT. = 20 0 51.2 LONG. = 15 13 46.4 RAD. = 1734576.5	1.3 2.7 19.8
Z4849	X = 1578992 Y = 433216 Z = 572667	23 21 14	LAT. = 19 16 38.9 LONG. = 15 20 32.2 RAD. = 1734600.2	1.5 2.8 22.8

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2890	X = 1583710	20	LAT. = 18 45 40.9	1.5
	Y = 435462	21	LONG. = 15 22 27.5	2.8
	Z = 557913	14	RAD. = 1734656.1	18.8
D455B	X = 1592373	25	LAT. = 17 42 13.7	1.6
	Y = 441975	22	LONG. = 15 30 44.6	2.9
	Z = 527524	16	RAD. = 1734725.7	25.5
6455B	X = 1592375	29	LAT. = 17 42 11.9	3.4
	Y = 441969	29	LONG. = 15 30 43.8	3.3
	Z = 527508	37	RAD. = 1734721.8	38.9
E397G	X = 1595971	30	LAT. = 17 40 11.7	2.2
	Y = 429858	22	LONG. = 15 4 27.5	3.0
	Z = 526535	16	RAD. = 1734687.3	26.7
E397	X = 1599797	29	LAT. = 17 16 11.5	2.0
	Y = 429576	22	LONG. = 15 1 49.7	3.0
	Z = 514977	15	RAD. = 1734672.4	26.7
93968	X = 1605380	20	LAT. = 16 35 9.4	1.4
	Y = 432674	21	LONG. = 15 5 1.3	2.7
	Z = 495217	13	RAD. = 1734846.3	19.9
45773	X = 1524994	19	LAT. = 23 39 45.4	1.3
	Y = 445620	20	LONG. = 16 17 20.2	2.8
	Z = 696185	13	RAD. = 1734606.2	19.0
45774	X = 1533353	19	LAT. = 22 57 46.4	1.3
	Y = 446950	20	LONG. = 16 15 2.2	2.7
	Z = 676735	12	RAD. = 1734620.3	18.6
45776	X = 1543659	19	LAT. = 22 11 10.3	1.3
	Y = 444048	20	LONG. = 16 2 54.2	2.7
	Z = 655049	13	RAD. = 1734690.4	18.9
B5610	X = 1554983	22	LAT. = 20 43 50.9	2.0
	Y = 462485	22	LONG. = 16 33 49.0	2.9
	Z = 614014	20	RAD. = 1734611.6	24.3
84547	X = 1557903	19	LAT. = 20 15 38.8	1.3
	Y = 470139	20	LONG. = 16 47 33.3	2.7
	Z = 600689	12	RAD. = 1734624.2	18.8
84548	X = 1567545	20	LAT. = 19 31 47.0	1.3
	Y = 464218	20	LONG. = 16 29 46.7	2.7
	Z = 579881	13	RAD. = 1734635.2	19.6

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84550	X = 1577857 Y = 454360 Z = 559555	20 20 12	LAT. = 18 49 5.5 LONG. = 16 3 51.5 RAD. = 1734698.5	1.3 2.7 19.7
93945	X = 1595390 Y = 474702 Z = 489264	21 21 13	LAT. = 16 22 48.2 LONG. = 16 34 12.6 RAD. = 1734932.6	1.4 2.7 19.9
982	X = 1514278 Y = 475064 Z = 700070	23 22 16	LAT. = 23 48 10.7 LONG. = 17 25 4.2 RAD. = 1734596.0	1.6 2.9 23.8
45751	X = 1520317 Y = 474599 Z = 687256	20 20 13	LAT. = 23 20 26.6 LONG. = 17 20 12.6 RAD. = 1734626.2	1.3 2.7 19.1
45752	X = 1527281 Y = 471529 Z = 673807	19 20 13	LAT. = 22 51 27.8 LONG. = 17 9 26.8 RAD. = 1734630.9	1.3 2.7 18.7
45754	X = 1537450 Y = 470532 Z = 651183	19 20 12	LAT. = 22 2 53.4 LONG. = 17 0 59.7 RAD. = 1734702.2	1.3 2.7 18.6
V6245	X = 1534289 Y = 486534 Z = 647539	23 21 14	LAT. = 21 54 54.1 LONG. = 17 35 39.1 RAD. = 1734954.2	1.8 2.8 21.7
1665	X = 1540957 Y = 475336 Z = 639188	35 23 19	LAT. = 21 37 18.8 LONG. = 17 8 36.0 RAD. = 1734662.7	1.6 2.9 37.3
84545	X = 1545835 Y = 485365 Z = 619461	20 20 13	LAT. = 20 55 23.4 LONG. = 17 25 52.9 RAD. = 1734622.6	1.3 2.7 19.6
V6249	X = 1556904 Y = 488816 Z = 588106	22 21 14	LAT. = 19 49 8.1 LONG. = 17 25 50.0 RAD. = 1734577.6	1.5 2.8 21.6
1812	X = 1557842 Y = 494620 Z = 580649	19 20 13	LAT. = 19 33 27.4 LONG. = 17 36 53.4 RAD. = 1734553.1	1.5 2.8 18.3
V6251	X = 1563828 Y = 491195 Z = 56758	22 21 14	LAT. = 19 5 57.3 LONG. = 17 26 14.7 RAD. = 1734641.8	1.5 2.8 21.6

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

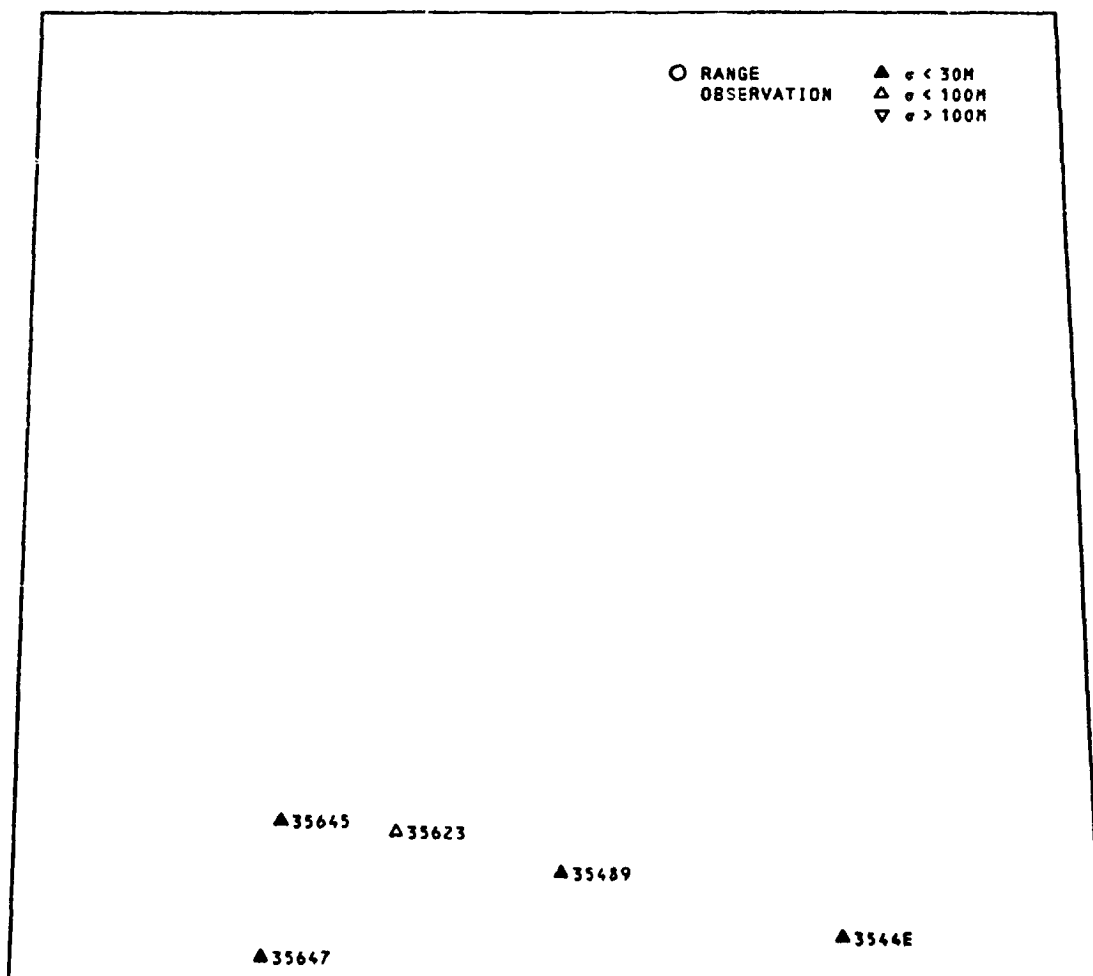
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84526	X = 1560894 Y = 502620 Z = 565496	19 20 12	LAT. = 19 1 36.6 LONG. = 17 50 56.3 RAD. = 1734590.0	1.3 2.6 18.5
2888	X = 1567658 Y = 509180 Z = 540315	20 20 13	LAT. = 18 8 58.0 LONG. = 17 59 38.2 RAD. = 1734576.7	1.5 2.8 18.5
84517	X = 1572596 Y = 495612 Z = 538593	21 21 14	LAT. = 18 5 22.4 LONG. = 17 29 33.1 RAD. = 1734581.2	1.4 2.7 20.8
V6254	X = 1577892 Y = 496393 Z = 522317	20 20 13	LAT. = 17 31 27.5 LONG. = 17 27 47.5 RAD. = 1734637.1	1.4 2.7 19.6
84519	X = 1581004 Y = 489754 Z = 519439	21 21 14	LAT. = 17 25 25.6 LONG. = 17 12 41.8 RAD. = 1734718.6	1.4 2.7 20.6
74145	X = 1587631 Y = 498239 Z = 490129	20 20 13	LAT. = 16 24 45.0 LONG. = 17 25 23.5 RAD. = 1734659.2	1.4 2.7 19.4
45717	X = 1503490 Y = 514811 Z = 695320	19 19 13	LAT. = 23 37 51.3 LONG. = 18 54 6.3 RAD. = 1734642.3	1.3 2.7 18.5
45718	X = 1512485 Y = 514568 Z = 675749	19 19 13	LAT. = 22 55 37.3 LONG. = 18 47 20.4 RAD. = 1734654.8	1.3 2.7 18.5
45720	X = 1526767 Y = 506061 Z = 649864	19 20 12	LAT. = 22 0 .8 LONG. = 18 20 17.7 RAD. = 1734773.0	1.3 2.7 18.5
45722	X = 1535534 Y = 507162 Z = 627750	20 20 13	LAT. = 21 12 56.6 LONG. = 18 16 39.2 RAD. = 1734690.0	1.3 2.7 19.3
84523	X = 1541870 Y = 508071 Z = 610984	20 20 12	LAT. = 20 37 26.8 LONG. = 18 14 16.4 RAD. = 1734589.7	1.3 2.7 19.0
Z4689	X = 1537155 Y = 522672 Z = 610683	25 21 14	LAT. = 20 36 46.4 LONG. = 18 46 45.7 RAD. = 1734636.7	1.9 2.8 22.4

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
85399	X = 1542179	22	LAT. = 20 1 51.6	2.0
	Y = 526702	22	LONG. = 18 51 23.9	2.9
	Z = 594140	21	RAD. = 1734569.8	24.1
84525	X = 1551681	19	LAT. = 19 50 23.6	1.3
	Y = 504216	20	LONG. = 18 0 5.4	2.7
	Z = 588677	12	RAD. = 1734499.7	18.5
84393	X = 1556861	19	LAT. = 18 29 56.3	1.2
	Y = 530968	19	LONG. = 18 49 55.1	2.6
	Z = 550348	12	RAD. = 1734538.8	18.3
84395	X = 1571975	20	LAT. = 17 19 57.7	1.3
	Y = 520637	20	LONG. = 18 19 29.4	2.7
	Z = 516808	13	RAD. = 1734721.4	20.0
84397	X = 1580524	20	LAT. = 16 35 6.8	1.4
	Y = 516218	20	LONG. = 18 5 15.5	2.7
	Z = 495202	13	RAD. = 1734866.9	20.4
E439G	X = 1580529	46	LAT. = 16 35 .5	3.8
	Y = 516250	25	LONG. = 18 5 19.2	3.1
	Z = 495152	23	RAD. = 1734866.1	40.8
45649	X = 1492347	19	LAT. = 23 43 30.0	1.4
	Y = 542907	19	LONG. = 19 59 27.9	2.7
	Z = 697924	12	RAD. = 1734631.2	18.4
980	X = 1497404	23	LAT. = 23 18 35.8	1.6
	Y = 543719	21	LONG. = 19 57 22.8	2.9
	Z = 686409	16	RAD. = 1734649.1	23.5
45651	X = 1506418	19	LAT. = 22 40 41.9	1.3
	Y = 540816	19	LONG. = 19 44 54.7	2.7
	Z = 668815	13	RAD. = 1734673.1	18.5
1122	X = 1513383	19	LAT. = 22 12 25.1	1.6
	Y = 537541	21	LONG. = 19 33 16.6	2.9
	Z = 655630	14	RAD. = 1734684.4	18.1
45653	X = 1513260	19	LAT. = 22 8 11.8	1.3
	Y = 540248	19	LONG. = 19 38 49.3	2.7
	Z = 653679	12	RAD. = 1734681.0	18.1
4565D	X = 1521075	22	LAT. = 21 32 5.9	1.9
	Y = 538426	21	LONG. = 19 29 34.1	2.9
	Z = 636736	19	RAD. = 1734648.3	23.6

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

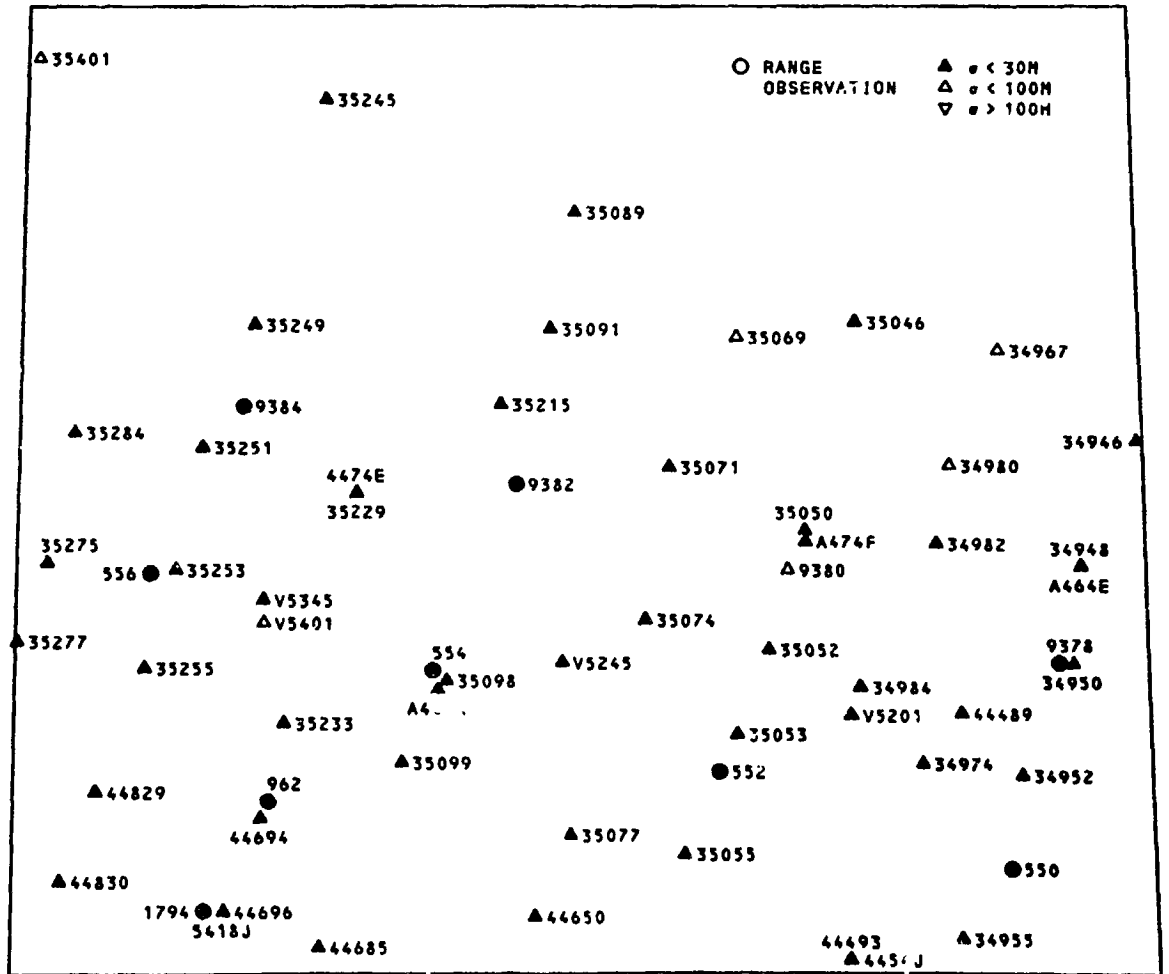
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45655	X = 1527834	19	LAT. = 21 0 55.8	1.3
	Y = 536372	19	LONG. = 19 20 40.1	2.7
	Z = 622074	12	RAD. = 1734632.2	18.4
84389	X = 1534649	20	LAT. = 20 6 2.3	1.3
	Y = 546226	19	LONG. = 19 35 31.6	2.7
	Z = 596135	12	RAD. = 1734614.7	18.8
84391	X = 1546759	20	LAT. = 19 13 25.9	1.4
	Y = 538497	20	LONG. = 19 11 43.1	2.7
	Z = 571113	12	RAD. = 1734535.3	19.3
5439A	X = 1546734	25	LAT. = 19 13 22.1	2.1
	Y = 538521	21	LONG. = 19 11 47.1	2.8
	Z = 571074	23	RAD. = 1734507.9	27.6
84383	X = 1555776	21	LAT. = 17 33 9.4	1.3
	Y = 560984	20	LONG. = 19 49 42.1	2.6
	Z = 523120	12	RAD. = 1734588.3	20.1
2033	X = 1556850	36	LAT. = 17 14 45.1	1.6
	Y = 566045	23	LONG. = 19 58 49.5	2.8
	Z = 514244	17	RAD. = 1734541.7	38.3
84373	X = 1563203	21	LAT. = 16 47 17.0	1.4
	Y = 560151	20	LONG. = 19 42 51.8	2.6
	Z = 500967	14	RAD. = 1734457.1	20.7
84374	X = 1572146	22	LAT. = 16 7 23.8	1.4
	Y = 551868	20	LONG. = 19 20 33.1	2.7
	Z = 481655	13	RAD. = 1734414.4	21.3



MAP SHEET 43A

TERRAIN POINTS ON MAP SHEET 43A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
35645	X = 1323581	25	LAT. = 25 18 47.1	2.2
	Y = 842329	21	LONG. = 32 28 21.9	2.8
	Z = 742044	15	RAD. = 173.515.5	22.9
35647	X = 1338227	21	LAT. = 24 11 21.5	1.7
	Y = 846007	19	LONG. = 32 18 1.7	2.6
	Z = 711171	13	RAD. = 1735610.4	19.4
35623	X = 1309110	38	LAT. = 25 13 7.9	3.3
	Y = 867938	28	LONG. = 33 32 39.5	2.9
	Z = 739745	18	RAD. = 1736176.5	35.4
35489	X = 1288568	25	LAT. = 24 52 48.8	2.2
	Y = 904602	21	LONG. = 35 4 10.7	2.7
	Z = 730148	15	RAD. = 1735462.3	23.3
3544E	X = 1252471	25	LAT. = 24 20 43.8	2.2
	Y = 966046	21	LONG. = 37 38 36.3	2.7
	Z = 715700	15	RAD. = 1736132.3	22.9



MAP SHEET 43C

TERRAIN POINTS ON MAP SHEET 43C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
35401	X = 1218442 Y = 1026040 Z = 695017	42 22 16	LAT. = 23 34 21.2 LONG. = 40 6 1.7 RAD. = 1737932.1	2.9 3.3 35.9
35284	X = 1237556 Y = 1056523 Z = 607617	19 18 12	LAT. = 20 28 34.5 LONG. = 40 29 16.7 RAD. = 1736946.9	1.5 2.3 19.0
35275	X = 1247899 Y = 1057111 Z = 575918	18 18 12	LAT. = 19 23 57.8 LONG. = 40 16 6.1 RAD. = 1733902.5	1.4 2.3 17.5
35277	X = 1258994 Y = 1057112 Z = 557977	18 18 14	LAT. = 18 44 52.5 LONG. = 40 1 6.4 RAD. = 1736055.8	1.4 2.3 19.2
44829	X = 1254971 Y = 1080597 Z = 522220	17 17 12	LAT. = 17 30 6.4 LONG. = 40 43 48.7 RAD. = 1736477.9	1.3 2.2 16.4
44830	X = 1265791 Y = 1078217 Z = 500835	17 16 11	LAT. = 16 45 45.5 LONG. = 40 25 29.2 RAD. = 1736552.5	1.3 2.2 15.8
35251	X = 1216760 Y = 1081789 Z = 603898	18 17 12	LAT. = 20 21 2.5 LONG. = 41 38 22.0 RAD. = 1736509.8	1.4 2.3 16.9
35253	X = 1228540 Y = 1083533 Z = 574920	18 18 13	LAT. = 19 20 22.2 LONG. = 41 24 40.5 RAD. = 1736055.2	1.4 2.3 17.7
556	X = 1233037 Y = 1078829 Z = 574152	18 17 14	LAT. = 19 18 45.2 LONG. = 41 11 1.9 RAD. = 1736059.2	1.6 2.5 15.9
35255	X = 1239537 Y = 1083054 Z = 551588	17 16 11	LAT. = 18 31 33.5 LONG. = 41 8 44.0 RAD. = 1736003.2	1.3 2.2 15.6
1794	X = 1243007 Y = 1107081 Z = 493765	17 16 12	LAT. = 16 31 20.3 LONG. = 41 41 23.2 RAD. = 1736231.5	1.4 2.3 15.0
44696	X = 1239798 Y = 1110826 Z = 493554	19 18 13	LAT. = 16 30 52.9 LONG. = 41 51 34.2 RAD. = 1736268.6	1.4 2.3 19.5

TERRAIN POINTS ON MAP SHEET 43C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
5418.1	X = 1239790 Y = 1110823 Z = 493551	24 20 15	LAT. = 16 30 52.9 LONG. = 41 51 34.6 RAD. = 1736259.8	2.2 2.5 22.3
35245	X = 1172091 Y = 1082315 Z = 684735	24 21 15	LAT. = 23 13 44.7 LONG. = 42 43 10.4 RAD. = 1736106.8	2.3 2.5 22.2
35249	X = 1199887 Y = 1083896 Z = 632557	19 18 13	LAT. = 21 21 55.8 LONG. = 42 5 33.0 RAD. = 1736286.4	1.6 2.3 18.0
9384	X = 1207148 Y = 1087095 Z = 613572	18 17 14	LAT. = 20 41 29.6 LONG. = 42 0 16.4 RAD. = 1736505.7	1.6 2.5 16.5
V5345	X = 1215727 Y = 1102223 Z = 567830	21 19 14	LAT. = 19 5 13.1 LONG. = 42 11 47.8 RAD. = 1736466.9	1.9 2.4 19.6
V5401	X = 1217774 Y = 1104141 Z = 562771	35 20 15	LAT. = 18 53 56.6 LONG. = 42 11 53.5 RAD. = 1737472.9	2.5 2.9 29.4
35233	X = 1219299 Y = 1112632 Z = 538529	18 17 13	LAT. = 18 4 8.7 LONG. = 42 22 51.6 RAD. = 1736275.9	1.4 2.3 17.2
962	X = 1226360 Y = 1113735 Z = 519891	18 17 14	LAT. = 17 25 23.9 LONG. = 42 14 40.5 RAD. = 1736275.5	1.6 2.4 15.3
44694	X = 1228461 Y = 1113091 Z = 515796	20 20 14	LAT. = 17 16 59.8 LONG. = 42 10 45.4 RAD. = 1736125.9	1.6 2.4 21.7
44685	X = 1224956 Y = 1130105 Z = 434699	17 17 11	LAT. = 16 12 55.9 LONG. = 42 41 37.1 RAD. = 1735680.8	1.3 2.2 16.0
4474E	X = 1193518 Y = 1113809 Z = 593364	24 21 16	LAT. = 19 58 28.9 LONG. = 43 1 17.2 RAD. = 1736990.4	2.3 2.7 21.5
35229	X = 1193606 Y = 1113851 Z = 593304	22 20 14	LAT. = 19 58 18.3 LONG. = 43 1 13.5 RAD. = 1737057.5	1.5 2.4 23.4

TERRAIN POINTS ON MAP SHEET 43C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
554	X = 1190592	19	LAT. = 18 30 20.6	1.8
	Y = 1137621	17	LONG. = 43 41 47.9	2.6
	Z = 551168	15	RAD. = 1736512.5	15.4
35098	X = 1188856	17	LAT. = 18 25 10.1	1.4
	Y = 1140770	17	LONG. = 43 49 3.0	2.2
	Z = 548720	12	RAD. = 1736614.2	16.3
A485K	X = 1190798	20	LAT. = 18 20 33.6	1.6
	Y = 1139722	20	LONG. = 43 44 40.2	2.4
	Z = 546492	15	RAD. = 1736553.5	21.7
35099	X = 1201243	17	LAT. = 17 44 33.4	1.4
	Y = 1136754	17	LONG. = 43 25 12.0	2.2
	Z = 529164	12	RAD. = 1736436.2	16.8
35089	X = 1136928	23	LAT. = 22 17 33.1	2.3
	Y = 1135978	21	LONG. = 44 58 33.8	2.6
	Z = 658911	16	RAD. = 1737013.5	21.9
35091	X = 1149550	22	LAT. = 21 19 47.3	1.8
	Y = 1139496	20	LONG. = 44 44 54.1	2.4
	Z = 632042	14	RAD. = 1737639.6	21.8
35215	X = 1162515	20	LAT. = 20 42 18.3	1.6
	Y = 1134735	18	LONG. = 44 18 25.8	2.3
	Z = 614020	13	RAD. = 1736687.4	19.2
9382	X = 1164780	17	LAT. = 20 2 54.0	1.6
	Y = 1142396	17	LONG. = 44 26 39.0	2.4
	Z = 595375	14	RAD. = 1736736.2	15.5
V5245	X = 1167601	21	LAT. = 18 34 9.2	1.9
	Y = 1161031	19	LONG. = 44 50 18.0	2.3
	Z = 553157	14	RAD. = 1737028.9	19.4
35077	X = 1175109	16	LAT. = 17 8 35.0	1.3
	Y = 1171193	16	LONG. = 44 54 15.7	2.1
	Z = 511768	11	RAD. = 1736226.3	15.4
44650	X = 1185761	16	LAT. = 16 28 11.2	1.2
	Y = 1168879	16	LONG. = 44 35 21.2	2.1
	Z = 492248	11	RAD. = 1736264.6	15.5
35071	X = 1136796	22	LAT. = 20 11 14.6	1.7
	Y = 1169230	20	LONG. = 45 48 20.9	2.3
	Z = 599598	13	RAD. = 1737505.1	22.9

TERRAIN POINTS JN MAP SHEET 43C (CONTINUED)

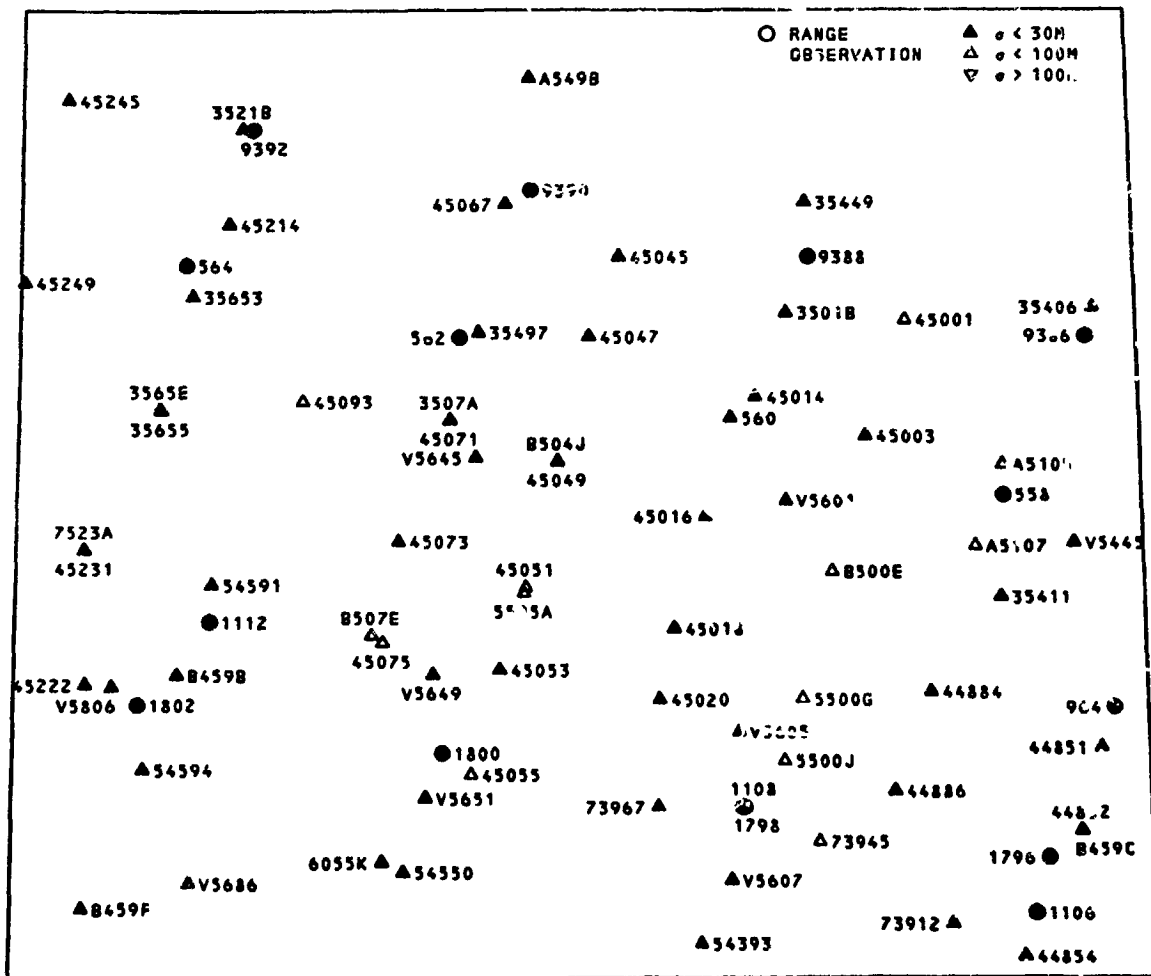
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
35074	X = 1149967 Y = 1173450 Z = 563202	18 17 12	LAT. = 13 55 16.6 LONG. = 45 34 44.7 RAD. = 1736837.9	1.4 2.2 17.2
35055	X = 1155635 Y = 1192778 Z = 507237	16 16 11	LAT. = 16 59 2.6 LONG. = 45 54 17.8 RAD. = 1736485.5	1.3 2.1 15.1
35069	X = 1114151 Y = 1170496 Z = 628779	35 28 16	LAT. = 21 15 39.7 LONG. = 46 24 46.0 RAD. = 1734000.6	2.6 2.7 36.6
9380	X = 1120883 Y = 1195463 Z = 574935	33 23 20	LAT. = 19 20 1.3 LONG. = 46 50 31.8 RAD. = 1736690.7	1.8 2.8 35.4
35052	X = 1129271 Y = 1197128 Z = 556246	17 17 12	LAT. = 18 40 30.4 LONG. = 46 40 14.7 RAD. = 1737175.2	1.4 2.1 16.3
35053	X = 1139555 Y = 1195651 Z = 535820	16 16 11	LAT. = 17 58 23.4 LONG. = 46 22 33.9 RAD. = 1736453.7	1.3 2.1 15.8
552	X = 1145178 Y = 1194904 Z = 527193	19 17 15	LAT. = 17 40 6.4 LONG. = 46 13 2.3 RAD. = 1736997.6	1.8 2.5 15.4
35046	X = 1093739 Y = 1192520 Z = 633719	22 20 14	LAT. = 21 23 13.3 LONG. = 47 28 26.4 RAD. = 1737805.3	2.1 2.4 21.6
35050	X = 1115078 Y = 1195950 Z = 584209	20 20 14	LAT. = 19 39 39.4 LONG. = 47 0 15.1 RAD. = 1736374.0	1.6 2.3 21.9
A474F	X = 1115759 Y = 1195861 Z = 581692	22 20 14	LAT. = 19 34 12.7 LONG. = 47 0 30.6 RAD. = 1736594.3	1.9 2.4 21.2
34984	X = 1114150 Y = 1214414 Z = 547060	19 21 13	LAT. = 18 21 47.0 LONG. = 47 27 55.9 RAD. = 1736492.1	1.5 2.2 22.9
V5201	X = 1117461 Y = 1214273 Z = 540395	20 19 14	LAT. = 18 7 55.7 LONG. = 47 22 39.0 RAD. = 1736434.2	1.9 2.3 19.5

TERRAIN POINTS ON MAP SHEET 43C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34974	X = 1106972 Y = 1229166 Z = 528908	21 18 13	LAT. = 17 43 53.0 LONG. = 47 59 39.1 RAD. = 1736657.7	1.7 2.3 19.8
44493	X = 1131531 Y = 1227839 Z = 482317	18 17 12	LAT. = 16 6 43.1 LONG. = 47 20 15.0 RAD. = 1737982.0	1.4 2.2 17.0
4454J	X = 1131523 Y = 1227908 Z = 482295	33 22 17	LAT. = 16 6 39.2 LONG. = 47 20 21.4 RAD. = 1738019.0	1.7 2.8 33.9
34967	X = 1068035 Y = 1217970 Z = 626854	34 29 17	LAT. = 21 9 18.0 LONG. = 48 45 9.2 RAD. = 1736982.2	3.1 2.6 35.1
34980	X = 1084701 Y = 1216793 Z = 599822	30 29 15	LAT. = 20 12 7.7 LONG. = 48 17 5.4 RAD. = 1736936.7	2.3 2.5 35.7
34982	X = 1091184 Y = 1218664 Z = 580925	22 21 13	LAT. = 19 33 5.9 LONG. = 48 9 32.2 RAD. = 1735885.9	1.8 2.2 23.1
44489	X = 1096713 Y = 1232936 Z = 540864	23 20 15	LAT. = 18 8 51.7 LONG. = 48 20 4.3 RAD. = 1736775.9	2.1 2.4 21.4
34952	X = 1088733 Y = 1246683 Z = 526199	16 16 11	LAT. = 17 36 10.3 LONG. = 48 52 9.0 RAD. = 1736790.9	1.3 2.0 15.4
550	X = 1096215 Y = 1250114 Z = 504035	17 16 13	LAT. = 16 51 52.4 LONG. = 48 45 9.8 RAD. = 1737390.4	1.6 2.3 14.9
34955	X = 1108649 Y = 1244486 Z = 486941	16 16 11	LAT. = 16 17 10.6 LONG. = 48 18 13.7 RAD. = 1736364.1	1.3 2.0 15.5
34946	X = 1047587 Y = 1246215 Z = 605716	22 20 14	LAT. = 20 24 28.4 LONG. = 49 56 56.7 RAD. = 1737061.2	2.0 2.3 21.7
34943	X = 1065540 Y = 1244605 Z = 575940	20 20 14	LAT. = 19 22 3.7 LONG. = 49 25 56.2 RAD. = 1736699.0	1.7 2.3 21.8

TERRAIN POINTS ON MAP SHEET 43C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A464E	X = 1065622 Y = 1244642 Z = 575934	22 20 15	LAT. = 19 21 59.8 LONG. = 49 25 51.4 RAD. = 1736773.7	2.1 2.3 21.0
9378	X = 1075445 Y = 1246728 Z = 553073	17 16 14	LAT. = 18 34 4.0 LONG. = 49 13 6.5 RAD. = 1736894.9	1.6 2.3 15.1
34950	X = 1072870 Y = 1249037 Z = 552851	17 17 12	LAT. = 18 33 36.4 LONG. = 49 20 19.7 RAD. = 1736890.2	1.4 2.1 17.2



MAP SHEET 43D

TERRAIN POINTS ON MAP SHEET 43D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45245	X = 1375762 Y = 807265 Z = 685690	24 21 15	LAT. = 23 15 40.8 LONG. = 30 24 12.4 RAD. = 1736250.9	1.6 2.7 25.4
45249	X = 1395028 Y = 806484 Z = 643170	19 19 13	LAT. = 21 45 32.9 LONG. = 30 1 58.0 RAD. = 1734988.9	1.4 2.6 18.5
7523A	X = 1406809 Y = 832381 Z = 580438	40 25 19	LAT. = 19 32 58.3 LONG. = 30 36 43.1 RAD. = 1734611.4	3.2 2.9 36.9
45231	X = 1406899 Y = 832491 Z = 580365	19 18 13	LAT. = 19 32 44.7 LONG. = 30 36 49.2 RAD. = 1734713.2	1.4 2.5 18.5
45222	X = 1416498 Y = 838946 Z = 548785	24 19 13	LAT. = 18 26 8.0 LONG. = 30 38 12.8 RAD. = 1735356.0	1.4 2.6 23.0
V5806	X = 1413388 Y = 844845 Z = 548212	21 19 13	LAT. = 18 24 50.5 LONG. = 30 52 7.2 RAD. = 1735501.5	1.5 2.6 20.3
B459F	X = 1431615 Y = 847533 Z = 495372	20 21 15	LAT. = 16 34 52.5 LONG. = 30 37 33.7 RAD. = 1735865.2	1.6 2.6 21.4
3521B	X = 1355596 Y = 846460 Z = 679070	20 19 13	LAT. = 23 1 15.4 LONG. = 31 58 53.2 RAD. = 1736453.4	1.5 2.6 19.4
45214	X = 1365670 Y = 849002 Z = 657366	20 19 14	LAT. = 22 14 4.1 LONG. = 31 52 5.3 RAD. = 1737236.1	1.5 2.6 19.3
564	X = 1373593 Y = 841296 Z = 647434	19 19 14	LAT. = 21 53 50.5 LONG. = 31 29 11.7 RAD. = 1736003.7	1.6 2.7 17.2
35653	X = 1375135 Y = 844134 Z = 640054	19 18 13	LAT. = 21 38 12.9 LONG. = 31 32 38.1 RAD. = 1735864.8	1.4 2.5 17.8
3565E	X = 1387329 Y = 842298 Z = 613490	23 20 14	LAT. = 20 42 23.0 LONG. = 31 15 48.5 RAD. = 1735083.9	1.9 2.6 20.6

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TERRAIN POINTS ON MAP SHEET 43D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
35655	X = 1387352 Y = 842460 Z = 613238	18 18 13	LAT. = 20 41 50.6 LONG. = 31 16 4.6 RAD. = 1735092.0	1.4 2.5 17.7
54591	X = 1392678 Y = 861580 Z = 572016	19 18 12	LAT. = 19 15 14.1 LONG. = 31 44 34.8 RAD. = 1734668.1	1.4 2.4 17.2
1112	X = 1396737 Y = 863656 Z = 563839	19 19 14	LAT. = 18 56 59.0 LONG. = 31 43 48.3 RAD. = 1736286.4	1.6 2.6 17.2
84598	X = 1404277 Y = 858482 Z = 551039	22 19 13	LAT. = 18 30 37.1 LONG. = 31 26 19.8 RAD. = 1735692.4	1.5 2.5 21.3
1802	X = 1411559 Y = 851508 Z = 544104	19 18 13	LAT. = 18 15 57.5 LONG. = 31 6 .1 RAD. = 1735976.7	1.5 2.5 16.6
54594	X = 1413888 Y = 854658 Z = 528237	19 18 12	LAT. = 17 43 50.6 LONG. = 31 9 6.7 RAD. = 1734518.7	1.3 2.4 17.4
V5686	X = 1416100 Y = 869929 Z = 501394	19 18 12	LAT. = 16 47 16.5 LONG. = 31 33 46.6 RAD. = 1735946.9	1.4 2.4 17.5
9392	X = 1354140 Y = 848607 Z = 678900	19 19 15	LAT. = 23 1 1.1 LONG. = 32 4 27.8 RAD. = 1736299.2	1.7 2.7 17.6
45093	X = 1368760 Y = 873520 Z = 615773	30 23 16	LAT. = 20 46 5.8 LONG. = 32 32 43.2 RAD. = 1736582.1	2.4 2.8 28.1
562	X = 1341830 Y = 903248 Z = 630500	19 19 14	LAT. = 21 17 44.1 LONG. = 33 56 46.7 RAD. = 1736057.1	1.6 2.6 16.7
3507A	X = 1349421 Y = 905362 Z = 611127	20 21 20	LAT. = 20 36 36.8 LONG. = 33 51 31.4 RAD. = 1736114.8	2.0 2.7 23.3
45071	X = 1349427 Y = 905334 Z = 611090	20 18 13	LAT. = 20 36 33.1 LONG. = 33 51 27.9 RAD. = 1736091.6	1.5 2.5 18.6

TERRAIN POINTS ON MAP SHEET 43D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45073	X = 1365115 Y = 900129 Z = 582518	19 18 12	LAT. = 19 36 29.2 LONG. = 33 24 .1 RAD. = 1735827.3	1.3 2.4 17.5
B507E	X = 1375854 Y = 899128 Z = 560565	75 20 31	LAT. = 18 49 56.8 LONG. = 33 9 53.4 RAD. = 1736559.4	1.9 5.4 69.7
45075	X = 1374897 Y = 901752 Z = 558849	22 33 34	LAT. = 18 46 19.6 LONG. = 33 15 34.6 RAD. = 1736608.5	3.1 3.4 35.9
V5649	X = 1369960 Y = 913740 Z = 551187	21 19 13	LAT. = 18 30 22.5 LONG. = 33 42 9.4 RAD. = 1736524.9	1.5 2.5 20.3
1800	X = 1372032 Y = 917951 Z = 531877	18 18 13	LAT. = 17 51 31.4 LONG. = 33 47 3.5 RAD. = 1734358.1	1.5 2.5 16.4
V5651	X = 1379596 Y = 917876 Z = 522096	20 19 14	LAT. = 17 29 18.4 LONG. = 33 38 12.1 RAD. = 1737344.5	1.5 2.5 20.2
6055K	X = 1388820 Y = 910667 Z = 506534	25 20 15	LAT. = 16 57 42.3 LONG. = 33 15 12.1 RAD. = 1736292.7	2.0 2.6 23.2
54550	X = 1387057 Y = 916054 Z = 504375	20 18 12	LAT. = 16 52 45.4 LONG. = 33 26 31.1 RAD. = 1737088.9	1.4 2.4 18.3
A549B	X = 1311570 Y = 904140 Z = 690523	25 21 15	LAT. = 23 26 7.0 LONG. = 34 34 50.6 RAD. = 1736232.9	2.1 2.7 22.9
9390	X = 1319944 Y = 910214 Z = 664448	19 19 15	LAT. = 22 30 34.9 LONG. = 34 35 22.5 RAD. = 1735578.2	1.7 2.7 17.1
45067	X = 1324735 Y = 905647 Z = 661211	22 21 16	LAT. = 22 23 37.4 LONG. = 34 21 29.6 RAD. = 1735602.9	1.7 2.7 23.3
35497	X = 1338768 Y = 906966 Z = 631661	20 20 15	LAT. = 21 20 12.3 LONG. = 34 6 58.3 RAD. = 1736054.1	1.6 2.6 20.5

TERRAIN POINTS ON MAP SHEET 43D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V5645	X = 1348597 Y = 912550 Z = 602362	23 20 14	LAT. = 20 18 2.7 LONG. = 34 5 5.6 RAD. = 1736174.2	1.9 2.6 20.6
B504J	X = 1336949 Y = 929817 Z = 601435	46 21 16	LAT. = 20 16 12.7 LONG. = 34 49 3.8 RAD. = 1736005.2	2.7 3.6 38.6
45049	X = 1336987 Y = 929890 Z = 601382	19 19 14	LAT. = 20 16 3.7 LONG. = 34 49 8.6 RAD. = 1736056.1	1.5 2.5 19.0
45051	X = 1349905 Y = 928759 Z = 571463	26 27 30	LAT. = 19 13 36.6 LONG. = 34 31 43.3 RAD. = 1735340.3	2.6 2.8 36.1
5505A	X = 1352046 Y = 929699 Z = 570716	36 32 22	LAT. = 19 10 43.1 LONG. = 34 30 48.0 RAD. = 1737263.7	3.8 2.8 36.1
45053	X = 1359942 Y = 927425 Z = 552195	18 18 12	LAT. = 18 32 40.7 LONG. = 34 17 32.6 RAD. = 1736225.4	1.4 2.4 17.2
45055	X = 1371559 Y = 926336 Z = 527676	36 21 24	LAT. = 17 41 .5 LONG. = 34 2 4.8 RAD. = 1737157.1	2.0 3.0 37.7
45045	X = 1312437 Y = 932007 Z = 648940	23 21 15	LAT. = 21 57 23.5 LONG. = 35 22 47.6 RAD. = 1735584.1	1.6 2.6 25.2
45047	X = 1323073 Y = 930030 Z = 630541	22 22 16	LAT. = 21 18 .4 LONG. = 35 6 16.6 RAD. = 1735816.8	1.6 2.6 25.1
45018	X = 1332414 Y = 962255 Z = 562176	19 18 14	LAT. = 18 52 59.6 LONG. = 35 50 11.0 RAD. = 1737038.7	1.5 2.5 18.8
45020	X = 1338664 Y = 961879 Z = 545021	20 21 21	LAT. = 18 17 44.7 LONG. = 35 41 55.0 RAD. = 1736168.1	2.1 2.6 23.0
73967	X = 1345774 Y = 966262 Z = 519520	27 23 17	LAT. = 17 24 37.5 LONG. = 35 40 41.7 RAD. = 1736280 2	2.5 2.5 26.1

TERRAIN POINTS ON MAP SHEET 43D (CONTINUED)

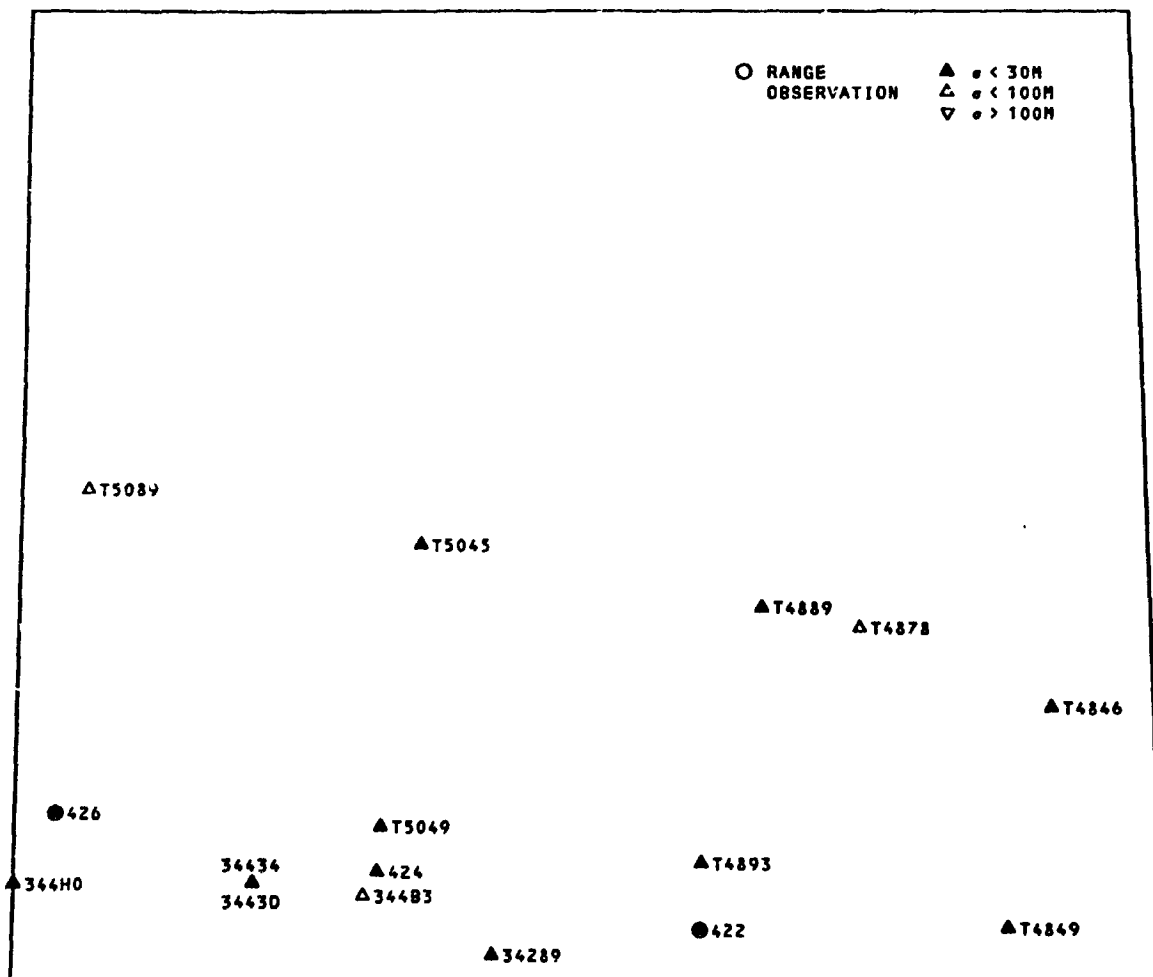
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
3501B	X = 1292069 Y = 969256 Z = 636036	19 18 13	LAT. = 21 29 36.7 LONG. = 36 52 32.5 RAD. = 1735926.5	1.5 2.4 19.2
45014	X = 1302924 Y = 967327 Z = 616371	22 20 15	LAT. = 20 47 53.8 LONG. = 36 35 28.4 RAD. = 1735870.4	1.6 2.6 23.1
560	X = 1308274 Y = 963094 Z = 611365	22 21 15	LAT. = 20 37 22.4 LONG. = 36 21 32.0 RAD. = 1735770.3	1.6 2.6 23.1
V5601	X = 1305907 Y = 978665 Z = 592029	22 19 14	LAT. = 19 56 23.0 LONG. = 36 50 54.2 RAD. = 1735994.5	1.9 2.5 20.3
45016	X = 1319195 Y = 962942 Z = 588439	18 19 15	LAT. = 19 48 48.0 LONG. = 36 7 38.8 RAD. = 1736027.9	1.5 2.4 19.4
5500G	X = 1317012 Y = 991200 Z = 545016	45 21 18	LAT. = 18 17 46.7 LONG. = 36 57 56.1 RAD. = 1736099.1	3.0 3.5 37.0
V5605	X = 1329022 Y = 979706 Z = 537364	20 19 13	LAT. = 18 1 40.6 LONG. = 36 23 46.6 RAD. = 1736342.1	1.5 2.4 20.0
5500J	X = 1323861 Y = 990101 Z = 530352	43 21 16	LAT. = 17 47 12.8 LONG. = 36 47 32.7 RAD. = 1736140.0	2.5 3.4 37.0
1108	X = 1333228 Y = 983509 Z = 519400	19 18 14	LAT. = 17 24 23.7 LONG. = 36 24 57.0 RAD. = 1736249.4	1.6 2.5 16.8
1798	X = 1332859 Y = 984086 Z = 519571	19 18 14	LAT. = 17 24 18.8 LONG. = 36 26 22.0 RAD. = 1736284.9	1.6 2.6 16.2
V5607	X = 1339299 Y = 984370 Z = 501903	20 19 14	LAT. = 16 48 8.4 LONG. = 36 18 55.8 RAD. = 1736263.8	1.5 2.4 20.1
54393	X = 1347579 Y = 980501 Z = 486794	18 17 11	LAT. = 16 16 58.9 LONG. = 36 2 22.9 RAD. = 1736179.9	1.3 2.3 16.5

TERRAIN POINTS ON MAP SHEET 43D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
35449	X = 1280641 Y = 967090 Z = 661634	20 19 13	LAT. = 22 24 21.2 LONG. = 37 3 31.2 RAD. = 1735817.8	1.6 2.5 19.2
9388	X = 1284393 Y = 970846 Z = 649011	19 18 15	LAT. = 21 57 16.5 LONG. = 37 5 5.6 RAD. = 1735921.3	1.7 2.6 17.3
45001	X = 1274322 Y = 993525 Z = 634356	34 26 15	LAT. = 21 26 2.7 LONG. = 37 56 30.3 RAD. = 1735913.5	2.2 2.7 36.0
45003	X = 1289166 Y = 991539 Z = 607282	22 21 16	LAT. = 20 28 31.5 LONG. = 37 33 54.1 RAD. = 1736056.0	1.6 2.5 24.9
B500E	X = 1303968 Y = 991427 Z = 575304	46 21 16	LAT. = 19 21 6.3 LONG. = 37 14 46.6 RAD. = 1736155.6	2.6 3.5 38.8
44886	X = 1308903 Y = 1013821 Z = 523107	17 17 11	LAT. = 17 32 3.9 LONG. = 37 45 35.5 RAD. = 1736289.4	1.3 2.3 16.3
73945	X = 1323917 Y = 1000798 Z = 511111	36 31 24	LAT. = 17 7 1.7 LONG. = 37 5 13.1 RAD. = 1736544.1	4.0 2.5 36.6
A5105	X = 1269891 Y = 1020151 Z = 600575	35 22 19	LAT. = 20 14 20.0 LONG. = 38 46 34.4 RAD. = 1736093.5	1.8 2.9 36.2
558	X = 1271893 Y = 1021891 Z = 593469	18 18 14	LAT. = 19 59 18.8 LONG. = 38 46 47.4 RAD. = 1736138.8	1.6 2.5 15.8
A5107	X = 1279922 Y = 1019047 Z = 581418	33 22 23	LAT. = 19 33 51.0 LONG. = 38 31 33.8 RAD. = 1736290.4	2.0 2.8 36.0
35411	X = 1279649 Y = 1026301 Z = 569418	20 17 14	LAT. = 19 8 36.1 LONG. = 38 43 48.8 RAD. = 1736385.0	1.5 2.4 18.9
44884	X = 1296955 Y = 1016803 Z = 546778	18 17 12	LAT. = 18 21 17.0 LONG. = 38 5 46.2 RAD. = 1736359.7	1.3 2.3 16.9

TERRAIN POINTS ON MAP SHEET 43D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1106	X = 1294549 Y = 1046543 Z = 494092	18 18 14	LAT. = 16 31 53.4 LONG. = 38 57 10.3 RAD. = 1736443.6	1.6 2.5 15.9
73912	X = 1308139 Y = 1030608 Z = 491399	28 21 17	LAT. = 16 26 23.7 LONG. = 38 13 57.2 RAD. = 1736333.1	2.5 2.5 26.1
44854	X = 1298800 Y = 1046154 Z = 483654	17 16 11	LAT. = 16 10 21.2 LONG. = 38 51 2.4 RAD. = 1736444.7	1.2 2.2 15.4
35406	X = 1243864 Y = 1029575 Z = 637322	30 20 15	LAT. = 21 32 21.4 LONG. = 39 36 55.3 RAD. = 1735914.8	1.7 2.7 29.8
9386	X = 1247143 Y = 1029717 Z = 630724	18 18 14	LAT. = 21 18 18.0 LONG. = 39 32 42.5 RAD. = 1735942.7	1.7 2.5 16.3
V5445	X = 1263997 Y = 1038030 Z = 582109	21 19 14	LAT. = 19 35 26.1 LONG. = 39 23 37.7 RAD. = 1736100.2	1.9 2.4 19.7
964	X = 1268694 Y = 1053345 Z = 543157	19 19 15	LAT. = 18 13 53.1 LONG. = 39 42 5.2 RAD. = 1736127.8	1.8 2.6 16.7
44851	X = 1273618 Y = 1052478 Z = 533448	19 19 12	LAT. = 17 53 37.0 LONG. = 39 34 9.4 RAD. = 1736197.3	1.5 2.4 19.0
44852	X = 1282132 Y = 1052218 Z = 513786	17 16 11	LAT. = 17 12 40.5 LONG. = 39 22 30.0 RAD. = 1736375.9	1.3 2.2 15.6
B459C	X = 1282107 Y = 1052240 Z = 513740	23 21 15	LAT. = 17 12 35.5 LONG. = 39 22 34.0 RAD. = 1736357.1	1.8 2.6 22.0
1796	X = 1289085 Y = 1046810 Z = 507303	18 17 13	LAT. = 16 59 15.7 LONG. = 39 4 42.8 RAD. = 1736349.0	1.4 2.4 15.5



MAP SHEET 44C

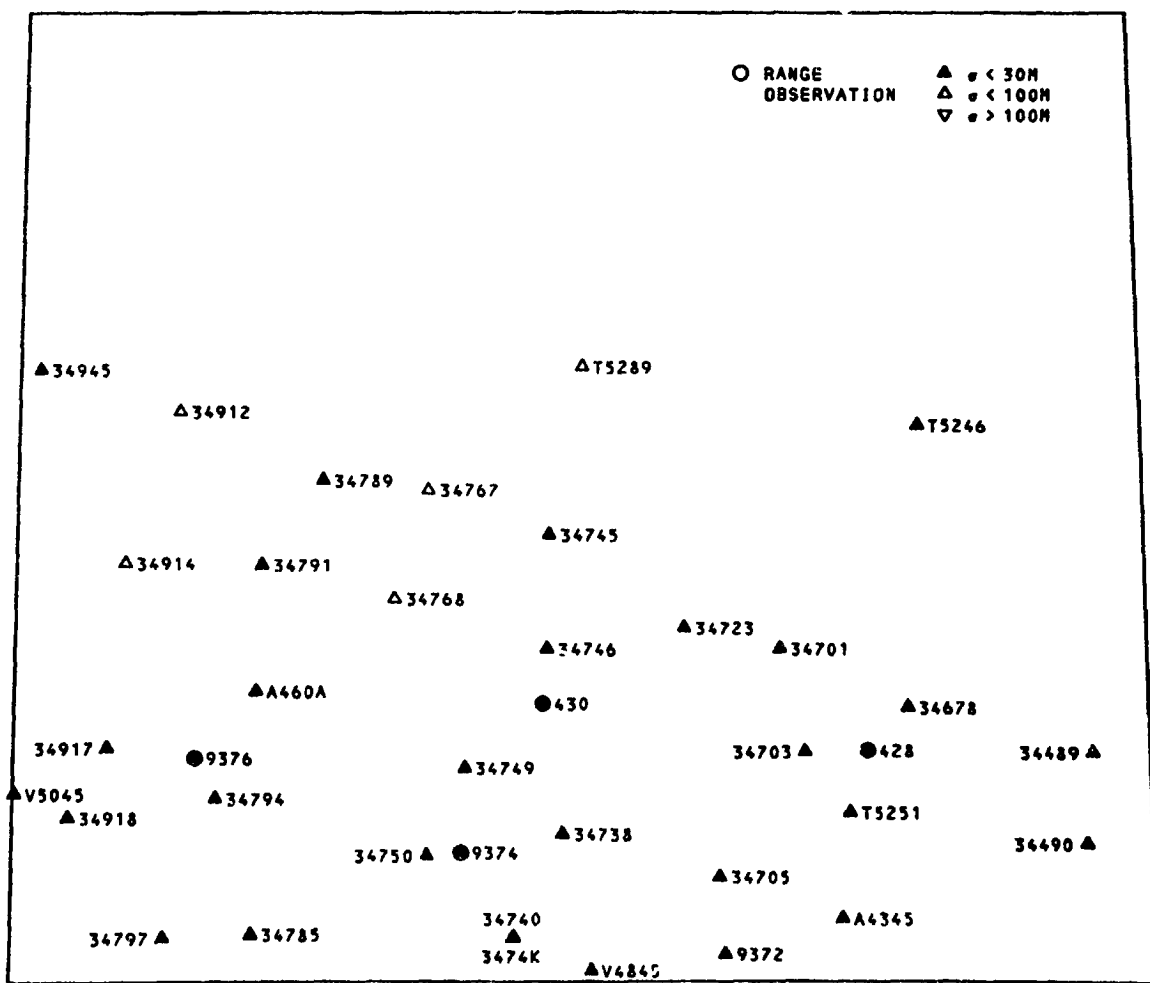
TERRAIN POINTS ON MAP SHEET 44C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T5089	X = 799567 Y = 1418837 Z = 594777	19 38 18	LAT. = 20 3 44.5 LONG. = 60 35 49.7 RAD. = 1733830.0	3.2 2.4 32.4
426	X = 818166 Y = 1437980 Z = 518432	15 15 13	LAT. = 17 23 55.6 LONG. = 60 21 41.3 RAD. = 1733768.9	1.5 2.0 14.2
344H0	X = 829857 Y = 1437354 Z = 501545	16 19 14	LAT. = 16 48 51.0 LONG. = 60 0 .0 RAD. = 1733838.1	1.5 2.0 19.6
34434	X = 776665 Y = 1466515 Z = 501623	16 17 12	LAT. = 16 49 8.0 LONG. = 62 5 39.6 RAD. = 1733638.5	1.5 1.8 17.7
34+3D	X = 776726 Y = 1466544 Z = 501588	18 20 14	LAT. = 16 49 2.1 LONG. = 62 5 34.6 RAD. = 1733679.3	2.0 1.9 20.0
T5045	X = 727162 Y = 1462507 Z = 581525	17 21 14	LAT. = 19 35 52.2 LONG. = 63 33 48.0 RAD. = 1733742.4	2.1 1.9 20.4
T5049	X = 746060 Y = 1477863 Z = 514947	16 20 13	LAT. = 17 16 42.3 LONG. = 63 12 51.4 RAD. = 1733759.7	1.5 1.9 20.2
424	X = 748512 Y = 1480430 Z = 504199	16 19 13	LAT. = 16 54 21.3 LONG. = 63 10 43.1 RAD. = 1733828.2	1.5 1.9 20.1
344B3	X = 752435 Y = 1480281 Z = 498452	25 25 18	LAT. = 16 42 30.3 LONG. = 63 3 19.9 RAD. = 1733736.9	1.7 2.3 31.8
34289	X = 725096 Y = 1498655 Z = 484170	14 17 11	LAT. = 16 12 55.5 LONG. = 64 10 51.1 RAD. = 1733826.0	1.4 1.7 16.2
422	X = 676568 Y = 1519348 Z = 489985	14 15 13	LAT. = 16 24 55.4 LONG. = 65 59 47.4 RAD. = 1733853.5	1.5 1.8 14.6
T4889	X = 651402 Y = 1503804 Z = 566687	17 21 14	LAT. = 19 4 29.2 LONG. = 66 34 45.2 RAD. = 1734037.0	2.0 1.9 20.1

TERRAIN POINTS ON MAP SHEET 44C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4893	X = 674133	15	LAT. = 16 57 52.5	1.6
	Y = 1515330	20	LONG. = 66 1 .0	1.8
	Z = 505938	13	RAD. = 1733970.3	19.8
T4878	X = 629219	20	LAT. = 18 54 19.8	3.1
	Y = 1514951	35	LONG. = 67 26 41.8	2.0
	Z = 561819	18	RAD. = 1733964.4	32.0
T4849	X = 604774	15	LAT. = 16 25 24.1	1.5
	Y = 1549465	20	LONG. = 68 40 43.4	1.8
	Z = 490275	13	RAD. = 1734059.8	20.1
T4846	X = 587658	16	LAT. = 18 14 43.7	1.9
	Y = 1539716	21	LONG. = 69 6 35.4	1.8
	Z = 543301	14	RAD. = 1735293.2	20.1

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MAP SHEET 44D

TERRAIN POINTS ON MAP SHEET 44D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34945	X = 1037265 Y = 1244020 Z = 623477	23 21 15	LAT. = 21 3 11.2 LONG. = 50 10 43.1 RAD. = 1735577.4	2.2 2.4 22.1
34914	X = 1029864 Y = 1270139 Z = 577584	32 30 15	LAT. = 19 27 15.1 LONG. = 50 57 50.0 RAD. = 1734207.5	2.3 2.5 36.8
34917	X = 1042263 Y = 1279108 Z = 533822	21 20 13	LAT. = 17 55 41.1 LONG. = 50 49 32.2 RAD. = 1734184.5	1.6 2.2 23.3
V5045	X = 1062319 Y = 1266835 Z = 522885	20 19 14	LAT. = 17 33 1.7 LONG. = 50 1 5.2 RAD. = 1734013.3	2.0 2.2 19.9
34918	X = 1053007 Y = 1276969 Z = 517167	18 18 12	LAT. = 17 21 7.3 LONG. = 50 29 25.9 RAD. = 1734051.9	1.5 2.1 17.7
34912	X = 1012445 Y = 1269852 Z = 613937	36 30 19	LAT. = 20 42 28.5 LONG. = 51 26 5.5 RAD. = 1736227.6	3.4 2.7 35.7
9376	X = 1025325 Y = 1293538 Z = 531428	17 16 14	LAT. = 17 50 46.9 LONG. = 51 35 52.3 RAD. = 1734055.2	1.6 2.2 14.7
34794	X = 1023050 Y = 1299157 Z = 521678	17 17 12	LAT. = 17 30 33.5 LONG. = 51 46 49.9 RAD. = 1733951.8	1.4 2.1 17.3
34797	X = 1039732 Y = 1299015 Z = 488485	16 16 12	LAT. = 16 21 40.8 LONG. = 51 19 34.4 RAD. = 1734099.3	1.3 2.0 16.6
34789	X = 986022 Y = 1295272 Z = 596944	23 21 15	LAT. = 20 8 17.1 LONG. = 52 43 11.7 RAD. = 1733871.6	2.2 2.4 22.4
34791	X = 1002667 Y = 1291581 Z = 577053	21 21 14	LAT. = 19 26 19.9 LONG. = 52 10 38.8 RAD. = 1733929.5	1.9 2.3 22.4
A460A	X = 1009871 Y = 1298787 Z = 547151	22 20 15	LAT. = 18 23 44.8 LONG. = 52 7 59.4 RAD. = 1733799.2	2.1 2.3 21.6

TERRAIN POINTS ON MAP SHEET 44D (CONTINUED)

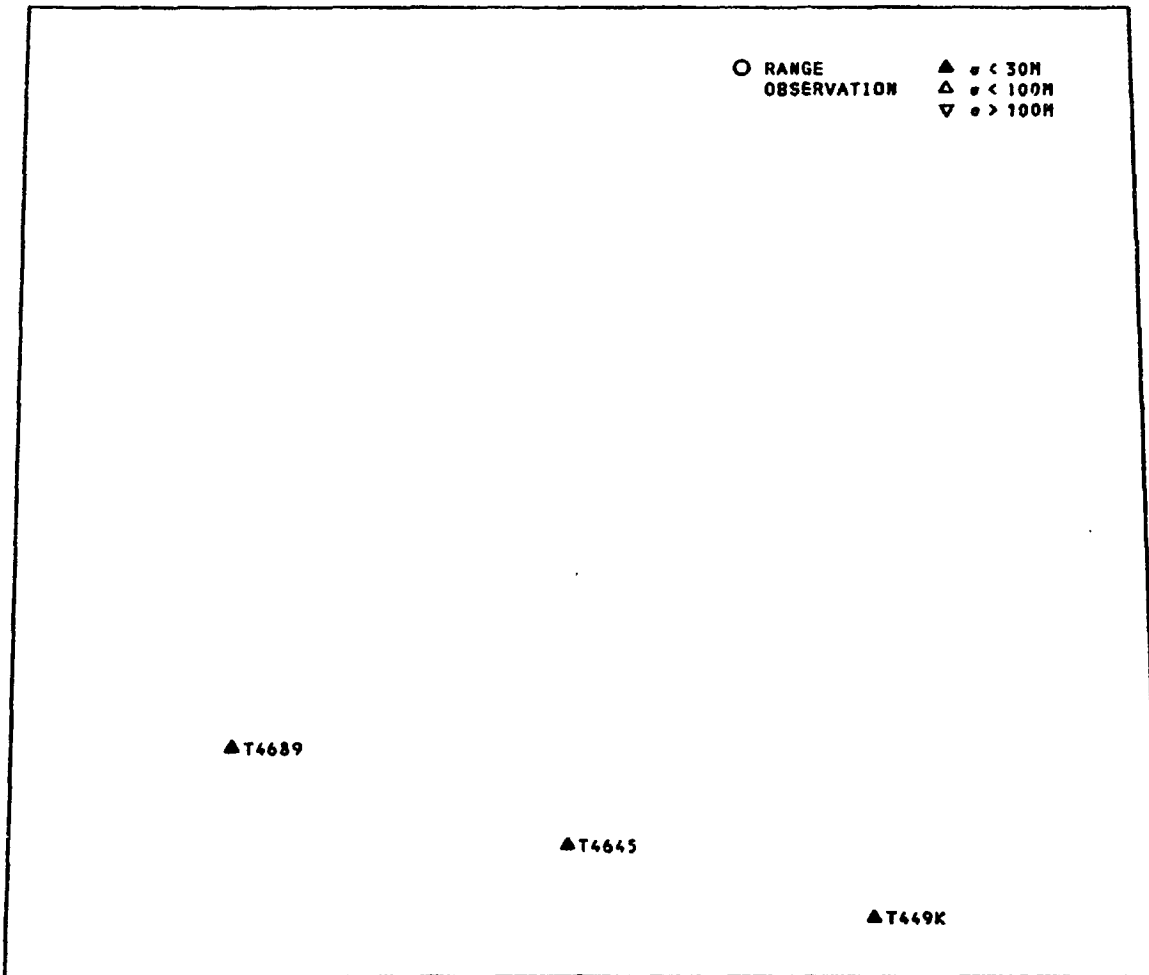
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34785	X = 1021833 Y = 1312353 Z = 489160	16 16 11	LAT. = 16 23 18.7 LONG. = 52 5 41.0 RAD. = 1733693.2	1.3 2.0 15.7
34767	X = 964979 Y = 1311886 Z = 594640	36 32 20	LAT. = 20 3 31.4 LONG. = 53 39 46.9 RAD. = 1733731.9	3.6 2.6 37.2
34768	X = 977543 Y = 1314365 Z = 569168	32 31 16	LAT. = 19 9 39.1 LONG. = 53 21 37.5 RAD. = 1734098.3	2.7 2.5 36.9
34749	X = 971052 Y = 1335388 Z = 528892	18 18 12	LAT. = 17 45 41.2 LONG. = 53 58 35.5 RAD. = 1733761.2	1.6 2.1 18.7
9374	X = 975677 Y = 1339770 Z = 508751	16 16 13	LAT. = 17 3 51.8 LONG. = 53 56 10.7 RAD. = 1733712.5	1.6 2.2 14.4
34750	X = 982743 Y = 1334839 Z = 508044	17 18 12	LAT. = 17 2 24.6 LONG. = 53 38 18.8 RAD. = 1733691.6	1.5 2.0 18.7
34745	X = 942573 Y = 1332865 Z = 584151	16 19 13	LAT. = 19 41 19.7 LONG. = 54 43 58.4 RAD. = 1733841.4	1.7 2.0 18.2
34746	X = 948552 Y = 1340092 Z = 557169	16 19 12	LAT. = 18 44 42.4 LONG. = 54 42 29.4 RAD. = 1733792.0	1.5 2.0 18.1
430	X = 952038 Y = 1342920 Z = 544151	16 17 15	LAT. = 18 17 30.6 LONG. = 54 39 57.5 RAD. = 1733756.5	1.7 2.2 15.9
34738	X = 953856 Y = 1353757 Z = 513098	16 17 11	LAT. = 17 12 52.8 LONG. = 54 49 53.4 RAD. = 1733715.2	1.4 1.9 16.0
34740	X = 968419 Y = 1352481 Z = 488572	16 17 11	LAT. = 16 22 5.3 LONG. = 54 23 46.1 RAD. = 1733708.0	1.4 1.9 16.7
3474K	X = 968703 Y = 1352316 Z = 488295	17 30 25	LAT. = 16 21 32.5 LONG. = 54 23 5.6 RAD. = 1733659.2	2.3 2.6 30.9

TERRAIN POINTS ON MAP SHEET 44D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T5289	X = 927167 Y = 1325709 Z = 623430	22 36 19	LAT. = 21 4 30.0 LONG. = 55 1 55.3 RAD. = 1733726.3	3.3 2.4 31.9
34723	X = 919051 Y = 1358506 Z = 562117	19 21 13	LAT. = 18 55 2.7 LONG. = 55 55 15.7 RAD. = 1733831.0	1.7 2.0 22.1
V4845	X = 953708 Y = 1365791 Z = 480496	15 16 11	LAT. = 16 5 23.8 LONG. = 55 4 26.6 RAD. = 1733730.4	1.4 1.9 15.3
34701	X = 899945 Y = 1373354 Z = 557213	21 22 15	LAT. = 18 44 42.6 LONG. = 56 45 48.9 RAD. = 1733922.5	2.2 2.2 22.1
34703	X = 899376 Y = 1383466 Z = 532736	15 17 11	LAT. = 17 53 35.5 LONG. = 56 58 21.2 RAD. = 1733972.9	1.4 1.9 16.4
34705	X = 922895 Y = 1378815 Z = 502873	17 18 12	LAT. = 16 51 40.8 LONG. = 56 12 14.6 RAD. = 1733709.7	1.5 2.0 18.6
9372	X = 924986 Y = 1383986 Z = 484342	18 21 14	LAT. = 16 13 22.3 LONG. = 56 14 35.7 RAD. = 1733667.8	1.6 2.1 22.2
34678	X = 875404 Y = 1394514 Z = 543267	16 17 12	LAT. = 18 15 37.2 LONG. = 57 52 53.5 RAD. = 1733823.0	1.5 1.9 17.4
428	X = 885987 Y = 1391859 Z = 533088	15 15 13	LAT. = 17 54 20.1 LONG. = 57 31 16.4 RAD. = 1733905.6	1.5 2.0 14.5
T5251	X = 892396 Y = 1393304 Z = 518234	15 17 12	LAT. = 17 23 27.8 LONG. = 57 21 39.2 RAD. = 1733849.2	1.4 1.9 16.5
A4345	X = 898572 Y = 1398434 Z = 492938	14 16 11	LAT. = 16 31 3.8 LONG. = 57 16 37.2 RAD. = 1733792.9	1.3 1.8 15.1
T5246	X = 859663 Y = 1376600 Z = 609934	18 20 14	LAT. = 20 35 48.7 LONG. = 58 0 57.3 RAD. = 1733801.5	2.1 2.1 19.8

TERRAIN POINTS ON MAP SHEET 44D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34489	X = 837452	21	LAT. = 17 53 38.1	2.2
	Y = 1421614	22	LONG. = 59 29 53.8	2.2
	Z = 532723	15	RAD. = 1733813.0	22.6
34490	X = 842810	15	LAT. = 17 8 19.2	1.4
	Y = 1426394	17	LONG. = 59 25 21.1	1.9
	Z = 510918	11	RAD. = 1733772.3	16.6



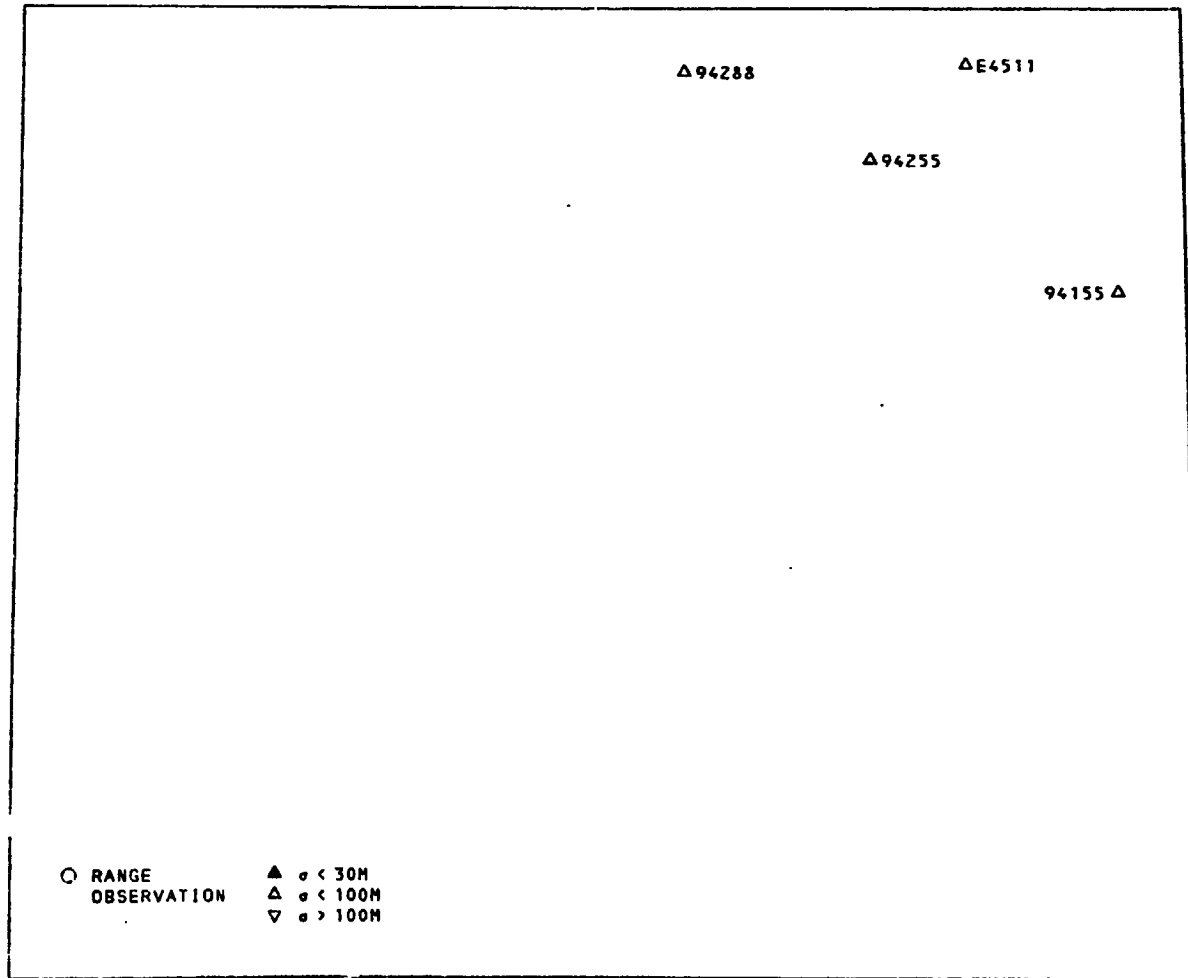
MAP SHEET 45D

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TERRAIN POINTS ON MAP SHEET 45D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4689	X = 511908	16	LAT. = 17 53 10.6	2.0
	Y = 1570620	22	LONG. = 71 56 52.0	1.8
	Z = 533124	14	RAD. = 1735833.5	20.4
T4645	X = 432902	15	LAT. = 17 5 11.3	2.0
	Y = 1602997	21	LONG. = 74 53 14.4	1.8
	Z = 510384	14	RAD. = 1737094.4	20.0
T449K	X = 358676	15	LAT. = 16 29 24.6	2.0
	Y = 1624989	22	LONG. = 77 33 10.7	1.8
	Z = 492619	14	RAD. = 1735486.2	21.0

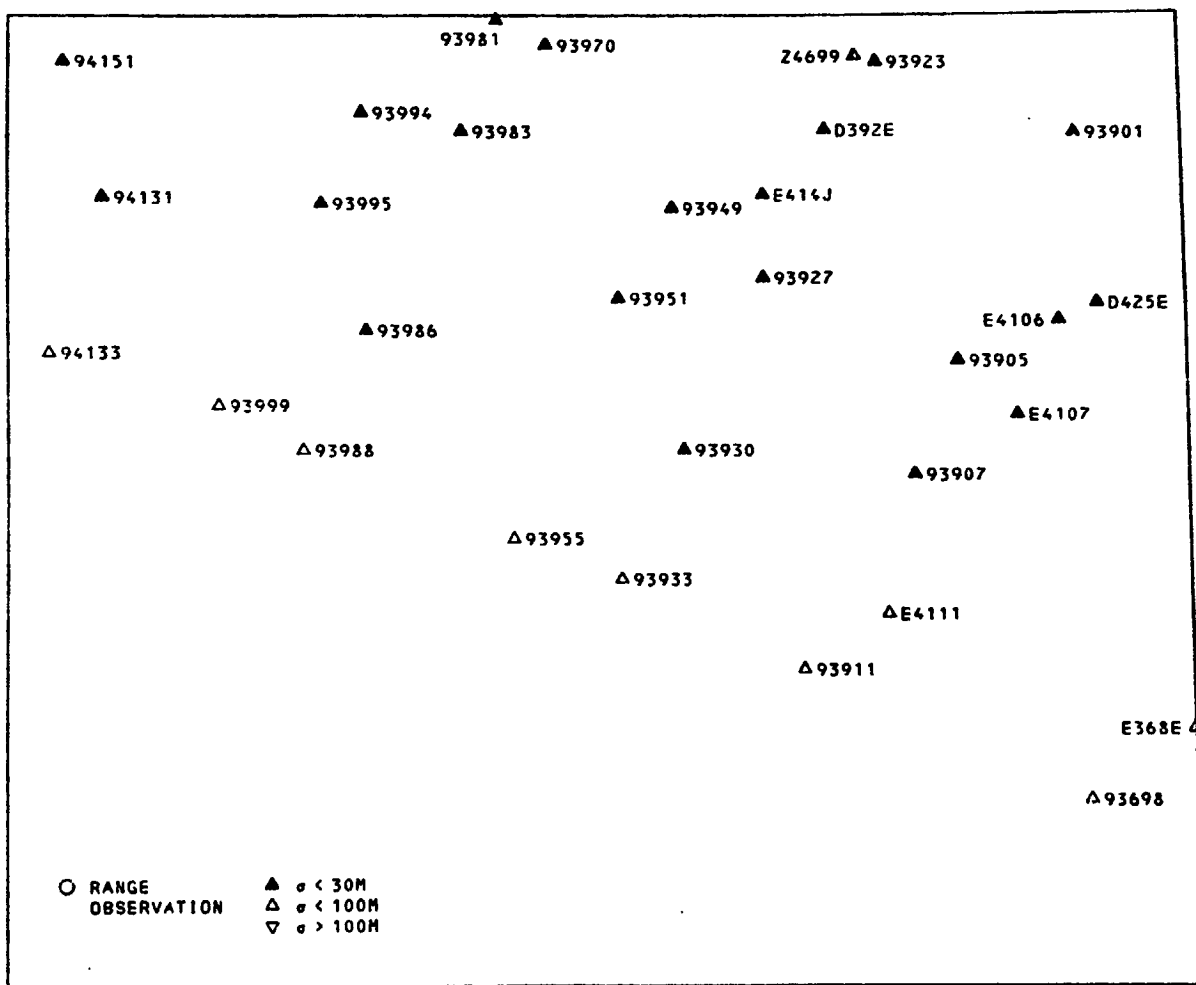
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MAP SHEET 59B

TERRAIN POINTS ON MAP SHEET 59B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
94288	X = 1664889	34	LAT. = 15 28 28.6	3.0
	Y = 166628	30	LONG. = 5 42 55.2	3.6
	Z = 463223	33	RAD. = 1736143.6	40.2
94255	X = 1665563	25	LAT. = 14 44 56.1	2.2
	Y = 213691	25	LONG. = 7 18 39.9	3.1
	Z = 442066	22	RAD. = 1736429.0	27.3
E4511	X = 1655929	25	LAT. = 15 32 10.4	2.1
	Y = 237013	25	LONG. = 8 8 43.5	3.1
	Z = 465049	21	RAD. = 1736245.0	26.9
94155	X = 1664623	24	LAT. = 13 39 44.1	2.2
	Y = 276156	25	LONG. = 9 25 9.9	3.1
	Z = 410159	22	RAD. = 1736508.3	26.4



MAP SHEET 60A

TERRAIN POINTS ON MAP SHEET 60A

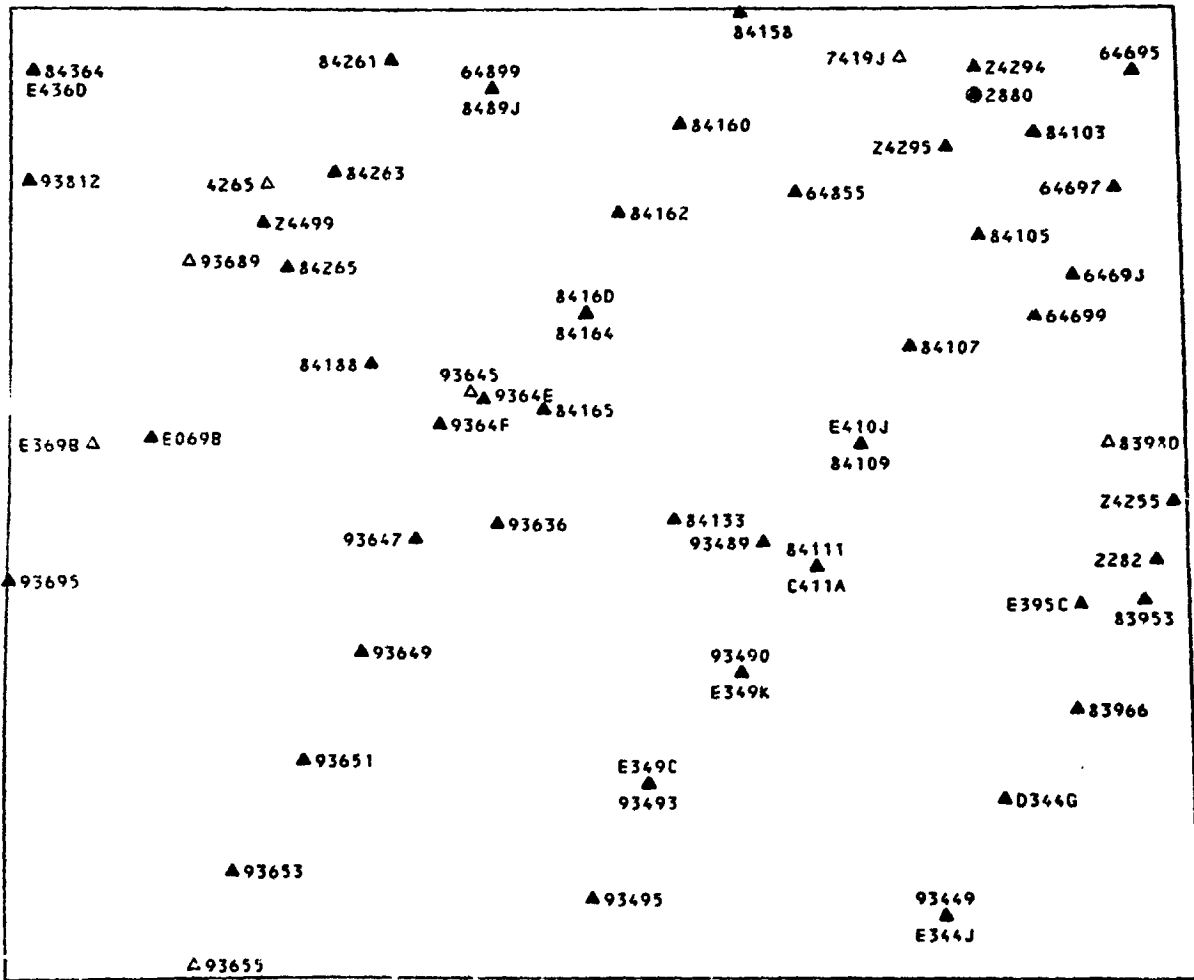
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
94151	X = 1644315 Y = 303747 Z = 467811	24 22 16	LAT. = 15 37 47.8 LONG. = 10 27 57.6 RAD. = 1736341.0	1.6 2.9 24.5
94131	X = 1651384 Y = 315118 Z = 435372	24 25 18	LAT. = 14 31 7.8 LONG. = 10 48 12.0 RAD. = 1736640.1	1.9 3.0 25.2
94133	X = 1662349 Y = 303721 Z = 397932	33 31 33	LAT. = 13 15 2.4 LONG. = 10 21 14.7 RAD. = 1736087.4	3.2 3.6 39.7
93999	X = 1657632 Y = 345995 Z = 384898	24 25 21	LAT. = 12 48 20.5 LONG. = 11 47 24.0 RAD. = 1736548.7	2.2 3.0 26.4
93995	X = 1640350 Y = 368484 Z = 433527	24 22 16	LAT. = 14 27 34.2 LONG. = 12 39 38.2 RAD. = 1736224.1	1.6 2.8 24.4
93988	X = 1655592 Y = 367240 Z = 373838	32 33 31	LAT. = 12 25 54.2 LONG. = 12 30 24.2 RAD. = 1736549.4	3.0 3.6 39.5
93994	X = 1632705 Y = 377003 Z = 455367	26 23 15	LAT. = 15 12 11.3 LONG. = 13 0 7.6 RAD. = 1736438.2	1.7 2.9 26.2
93983	X = 1628050 Y = 401465 Z = 450770	25 22 14	LAT. = 15 2 48.4 LONG. = 13 51 8.4 RAD. = 1736350.8	1.5 2.8 24.7
93986	X = 1645636 Y = 381279 Z = 402900	25 23 20	LAT. = 13 24 54.2 LONG. = 13 2 41.0 RAD. = 1736611.1	2.0 2.8 27.2
93981	X = 1618231 Y = 408219 Z = 477331	25 22 14	LAT. = 15 57 40.0 LONG. = 14 9 29.5 RAD. = 1735845.4	1.6 2.8 24.7
93970	X = 1617051 Y = 420799 Z = 471420	21 21 14	LAT. = 15 45 20.1 LONG. = 14 35 10.8 RAD. = 1736134.5	1.5 2.8 21.4
93955	X = 1648567 Y = 419771 Z = 351986	24 24 21	LAT. = 11 41 24.0 LONG. = 14 17 8.0 RAD. = 1737203.0	2.2 3.0 26.2

TERRAIN POINTS ON MAP SHEET 60A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
93949	X = 1619686 Y = 453957 Z = 432139	25 21 14	LAT. = 14 24 28.7 LONG. = 15 39 24.7 RAD. = 1736722.2	1.5 2.8 24.3
93951	X = 1628805 Y = 442274 Z = 410392	24 22 15	LAT. = 13 39 59.4 LONG. = 15 11 29.1 RAD. = 1736960.7	1.6 2.8 24.3
93930	X = 1632753 Y = 460199 Z = 373336	23 22 17	LAT. = 12 24 42.4 LONG. = 15 44 26.7 RAD. = 1736964.5	1.7 2.8 24.3
93933	X = 1643872 Y = 446642 Z = 341838	33 31 31	LAT. = 11 20 49.0 LONG. = 15 12 1.4 RAD. = 1737428.7	3.0 3.4 39.3
D392E	X = 1603125 Y = 489614 Z = 450703	23 23 19	LAT. = 15 2 59.0 LONG. = 16 58 60.0 RAD. = 1735760.2	1.9 2.9 25.2
E414J	X = 1612719 Y = 475853 Z = 435399	26 22 15	LAT. = 14 31 2.5 LONG. = 16 26 21.7 RAD. = 1736914.7	1.7 2.9 26.0
93927	X = 1617610 Y = 477148 Z = 415175	24 22 14	LAT. = 13 49 47.0 LONG. = 16 26 4.2 RAD. = 1736866.1	1.5 2.7 24.1
93911	X = 1634819 Y = 491681 Z = 319396	25 24 21	LAT. = 10 35 49.5 LONG. = 16 44 20.2 RAD. = 1736777.9	2.2 2.9 26.5
Z4699	X = 1596357 Y = 495745 Z = 468628	21 21 18	LAT. = 15 39 39.6 LONG. = 17 15 7.4 RAD. = 1736009.7	1.9 2.8 22.3
93923	X = 1595248 Y = 500914 Z = 467226	20 20 13	LAT. = 15 36 43.8 LONG. = 17 25 56.9 RAD. = 1736096.5	1.3 2.6 19.1
93907	X = 1616598 Y = 515787 Z = 367002	26 23 17	LAT. = 12 12 14.2 LONG. = 17 41 44.3 RAD. = 1736121.2	1.8 2.8 26.6
E4111	X = 1625588 Y = 511196 Z = 333007	25 25 22	LAT. = 11 3 26.3 LONG. = 17 27 24.1 RAD. = 1736303.3	2.2 2.9 27.4

TERRAIN POINTS ON MAP SHEET 60A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E4106	X = 1596467	28	LAT. = 13 28 16.6	1.7
	Y = 547467	22	LONG. = 18 55 41.0	2.8
	Z = 404293	15	RAD. = 1735477.0	27.3
93905	X = 1606988	27	LAT. = 13 8 28.1	1.7
	Y = 524442	22	LONG. = 18 4 26.9	2.9
	Z = 394648	15	RAD. = 1735856.3	26.6
E4107	X = 1605182	27	LAT. = 12 41 44.7	1.7
	Y = 539326	23	LONG. = 18 34 18.7	2.8
	Z = 381484	17	RAD. = 1735802.9	27.3
93901	X = 1585071	20	LAT. = 15 0 52.9	1.3
	Y = 548847	20	LONG. = 19 5 56.2	2.6
	Z = 449920	12	RAD. = 1736695.0	19.1
D425E	X = 1592415	23	LAT. = 13 36 39.6	2.1
	Y = 556310	23	LONG. = 19 15 24.7	2.9
	Z = 408421	21	RAD. = 1735533.1	25.1
E368E	X = 1606048	25	LAT. = 10 6 37.6	2.2
	Y = 584196	24	LONG. = 19 59 19.4	2.9
	Z = 304740	21	RAD. = 1735955.3	26.8
93698	X = 1617638	31	LAT. = 9 31 37.5	2.6
	Y = 560674	38	LONG. = 19 6 58.8	3.9
	Z = 287330	26	RAD. = 1735991.6	39.7



○ RANGE
 OBSERVATION ▲ ◦ < 30M
 △ ◦ < 100M
 ▽ ◦ > 100M

MAP SHEET 60B

TERRAIN POINTS ON MAP SHEET 60B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84364	X = 1570988 Y = 577680 Z = 463901	20 19 13	LAT. = 15 29 26.4 LONG. = 20 11 21.7 RAD. = 1736928.9	1.3 2.6 19.1
E436D	X = 1570982 Y = 577663 Z = 463834	30 21 16	LAT. = 15 29 19.1 LONG. = 20 11 20.0 RAD. = 1736899.5	2.2 3.0 26.9
93812	X = 1577447 Y = 578930 Z = 437379	20 20 13	LAT. = 14 35 23.9 LONG. = 20 9 12.1 RAD. = 1736317.5	1.4 2.6 19.2
E369B	X = 1585627 Y = 599287 Z = 373267	37 36 16	LAT. = 12 25 6.7 LONG. = 20 42 14.6 RAD. = 1735709.2	2.1 3.5 42.4
93695	X = 1599467 Y = 582599 Z = 339828	26 23 16	LAT. = 11 17 22.8 LONG. = 20 0 50.2 RAD. = 1735857.5	1.7 2.8 26.5
93689	X = 1567268 Y = 617765 Z = 417796	30 22 16	LAT. = 13 55 43.1 LONG. = 21 30 45.7 RAD. = 1735659.8	2.2 3.0 26.3
E069B	X = 1580005 Y = 612652 Z = 374703	27 23 17	LAT. = 12 28 5.5 LONG. = 21 11 38.3 RAD. = 1735557.3	1.9 3.0 26.6
93653	X = 1590675 Y = 639418 Z = 268044	23 22 17	LAT. = 8 53 10.6 LONG. = 21 53 56.7 RAD. = 1735209.3	1.9 2.7 23.4
93655	X = 1597748 Y = 631438 Z = 244746	24 24 20	LAT. = 8 6 28.1 LONG. = 21 33 51.1 RAD. = 1735342.3	2.2 2.9 25.4
84263	X = 1548465 Y = 649621 Z = 439115	20 20 12	LAT. = 14 39 17.0 LONG. = 22 45 33.5 RAD. = 1735676.7	1.4 2.6 19.2
4265	X = 1555710 Y = 634277 Z = 436451	49 22 18	LAT. = 14 33 45.8 LONG. = 22 10 52.2 RAD. = 1735807.8	2.9 3.9 41.2
24499	X = 1558224 Y = 634286 Z = 427010	21 21 18	LAT. = 14 14 30.3 LONG. = 22 8 56.9 RAD. = 1735718.1	1.9 2.7 22.1

TERRAIN POINTS ON MAP SHEET 60B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84265	X = 1558228 Y = 640789 Z = 416186	22 21 14	LAT. = 13 52 31.2 LONG. = 22 21 14.0 RAD. = 1735481.5	1.6 2.7 20.8
93649	X = 1570052 Y = 665907 Z = 321884	22 20 13	LAT. = 10 41 17.9 LONG. = 22 58 59.8 RAD. = 1735541.2	1.5 2.6 21.7
93651	X = 1579920 Y = 654186 Z = 295265	22 21 14	LAT. = 9 47 47.9 LONG. = 22 29 33.5 RAD. = 1735306.2	1.5 2.6 21.8
84261	X = 1535005 Y = 659496 Z = 465739	21 20 13	LAT. = 15 34 37.1 LONG. = 23 15 .6 RAD. = 1734384.3	1.4 2.6 20.7
84188	X = 1555221 Y = 662519 Z = 392584	21 20 14	LAT. = 13 4 27.7 LONG. = 23 4 25.9 RAD. = 1735444.0	1.5 2.6 20.8
93645	X = 1546598 Y = 686218 Z = 385500	28 21 17	LAT. = 12 50 6.1 LONG. = 23 55 35.8 RAD. = 1735358.7	2.2 2.9 25.1
9364F	X = 1551463 Y = 679824 Z = 377628	28 21 16	LAT. = 12 34 4.4 LONG. = 23 39 43.9 RAD. = 1735454.0	2.1 2.8 25.1
93647	X = 1559512 Y = 676519 Z = 349663	23 20 13	LAT. = 11 37 23.5 LONG. = 23 27 4.6 RAD. = 1735517.2	1.6 2.7 21.7
64899	X = 1526492 Y = 683543 Z = 458877	22 22 17	LAT. = 15 20 31.5 LONG. = 24 7 19.9 RAD. = 1734352.2	1.6 2.7 24.4
8489J	X = 1526563 Y = 683653 Z = 458877	35 29 17	LAT. = 15 20 28.0 LONG. = 24 7 28.8 RAD. = 1734457.9	1.8 2.9 39.2
8416D	X = 1530349 Y = 711167 Z = 404613	21 21 18	LAT. = 13 28 59.3 LONG. = 24 55 29.0 RAD. = 1735349.6	1.9 2.6 21.8
84164	X = 1530426 Y = 711057 Z = 404370	20 19 12	LAT. = 13 28 30.6 LONG. = 24 55 12.8 RAD. = 1735315.4	1.3 2.5 18.4

TERRAIN POINTS ON MAP SHEET 60B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
9364E	X = 1545685 Y = 689354 Z = 383673	28 21 17	LAT. = 12 46 22.6 LONG. = 24 2 10.3 RAD. = 1735383.9	2.2 2.9 25.1
84165	X = 1539964 Y = 703585 Z = 381145	20 19 12	LAT. = 12 41 12.8 LONG. = 24 33 17.7 RAD. = 1735452.1	1.4 2.5 18.7
93636	X = 1550436 Y = 695136 Z = 353309	20 20 13	LAT. = 11 44 47.0 LONG. = 24 8 56.4 RAD. = 1735480.9	1.4 2.6 19.3
93495	X = 1555556 Y = 723162 Z = 260998	25 22 16	LAT. = 8 39 3.7 LONG. = 24 55 59.7 RAD. = 1735176.4	1.7 2.7 25.2
84160	X = 1509381 Y = 727946 Z = 450327	22 19 12	LAT. = 15 2 30.5 LONG. = 25 44 49.7 RAD. = 1735203.1	1.5 2.6 20.6
84162	X = 1521201 Y = 716253 Z = 428989	19 19 12	LAT. = 14 18 47.0 LONG. = 25 12 47.7 RAD. = 1735253.3	1.3 2.5 18.4
84133	X = 1531637 Y = 735831 Z = 354309	20 19 13	LAT. = 11 46 41.2 LONG. = 25 39 38.2 RAD. = 1735769.2	1.4 2.5 19.5
E349C	X = 1545506 Y = 734587 Z = 289311	26 23 15	LAT. = 9 35 46.3 LONG. = 25 25 19.2 RAD. = 1735485.5	1.7 2.7 26.6
93493	X = 1545496 Y = 734559 Z = 289261	26 22 15	LAT. = 9 35 40.9 LONG. = 25 25 16.6 RAD. = 1735456.3	1.7 2.7 25.1
84158	X = 1495943 Y = 738557 Z = 477202	20 19 12	LAT. = 15 57 44.8 LONG. = 26 16 33.0 RAD. = 1735233.1	1.7 2.5 18.3
64855	X = 1500676 Y = 755659 Z = 433789	19 19 12	LAT. = 14 28 35.0 LONG. = 26 43 38.5 RAD. = 1735287.4	1.3 2.5 18.6
93489	X = 1522971 Y = 756407 Z = 348601	28 21 17	LAT. = 11 35 7.0 LONG. = 26 24 13.2 RAD. = 1735132.0	2.2 2.8 24.9

TERRAIN POINTS ON MAP SHEET 60B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84111	X = 1518153 Y = 768976 Z = 342719	20 19 13	LAT. = 11 23 10.6 LONG. = 26 51 47.4 RAD. = 1735963.1	1.4 2.5 18.8
C411A	X = 1518163 Y = 768948 Z = 342692	21 20 13	LAT. = 11 23 7.6 LONG. = 26 51 43.8 RAD. = 1735954.2	1.5 2.6 19.6
93490	X = 1531295 Y = 753920 Z = 316643	20 20 13	LAT. = 10 30 35.2 LONG. = 26 12 46.5 RAD. = 1735950.1	1.5 2.6 19.7
E349K	X = 1531297 Y = 753926 Z = 316609	38 31 17	LAT. = 10 30 31.1 LONG. = 26 12 47.1 RAD. = 1735948.0	2.3 2.9 41.0
7419J	X = 1480676 Y = 775594 Z = 466431	30 24 35	LAT. = 15 35 29.8 LONG. = 27 38 45.7 RAD. = 1735369.1	3.4 2.8 37.3
84107	X = 1496599 Y = 785159 Z = 396517	19 18 12	LAT. = 13 12 13.7 LONG. = 27 40 58.1 RAD. = 1735945.9	1.3 2.4 17.8
E410J	X = 1507152 Y = 776396 Z = 372684	30 21 17	LAT. = 12 23 52.1 LONG. = 27 15 17.5 RAD. = 1735854.1	2.3 2.9 26.3
84109	X = 1507230 Y = 776375 Z = 372624	21 20 13	LAT. = 12 23 43.6 LONG. = 27 15 10.9 RAD. = 1735900.6	1.4 2.5 20.4
93449	X = 1517489 Y = 803573 Z = 256935	25 21 14	LAT. = 8 30 36.4 LONG. = 27 54 11.0 RAD. = 1736236.6	1.7 2.7 24.3
E344J	X = 1517514 Y = 803539 Z = 256925	25 22 15	LAT. = 8 30 35.1 LONG. = 27 54 6.0 RAD. = 1736241.1	1.7 2.7 25.8
Z4294	X = 1472485 Y = 792544 Z = 464128	22 20 13	LAT. = 15 30 43.4 LONG. = 28 17 26.6 RAD. = 1735440.2	1.5 2.6 21.1
2880	X = 1474261 Y = 793437 Z = 457416	19 18 13	LAT. = 15 16 51.6 LONG. = 28 17 19.8 RAD. = 1735574.0	1.4 2.6 16.9

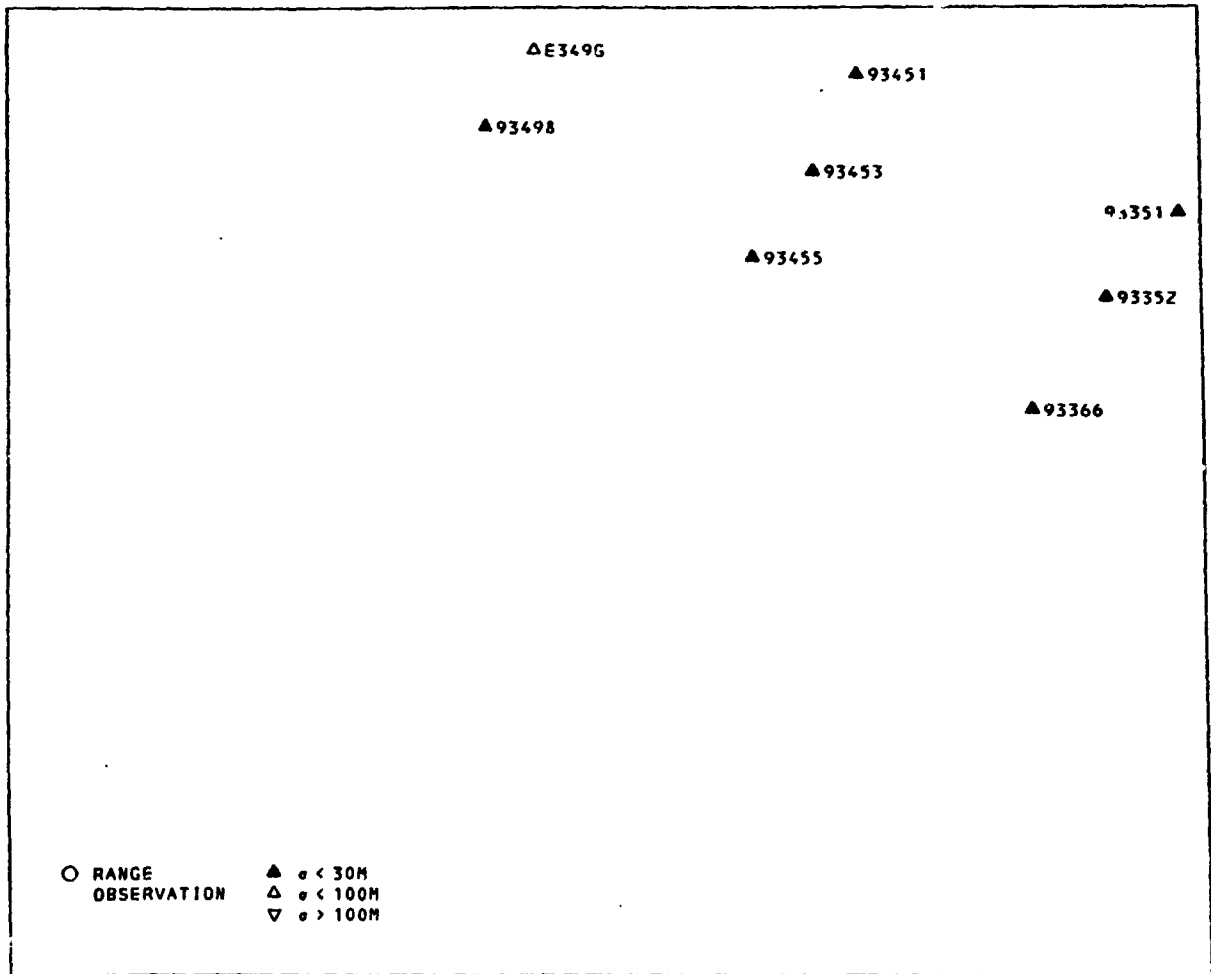
TERRAIN POINTS ON MAP SHEET 60B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84103	X = 1469677 Y = 807517 Z = 448401	32 19 14	LAT. = 14 58 13.7 LONG. = 28 47 12.0 RAD. = 1735827.7	1.8 3.0 27.7
24295	X = 1480629 Y = 788337 Z = 444827	21 20 14	LAT. = 14 51 7.8 LONG. = 28 1 56.5 RAD. = 1735398.8	1.5 2.6 21.1
84105	X = 1482296 Y = 798077 Z = 423486	22 19 12	LAT. = 14 7 11.8 LONG. = 28 17 53.8 RAD. = 1735934.8	1.5 2.5 20.2
64699	X = 1480578 Y = 812399 Z = 404185	21 23 21	LAT. = 13 27 34.0 LONG. = 28 45 13.5 RAD. = 1736511.0	2.1 2.7 23.7
D344G	X = 1506028 Y = 814999 Z = 285697	22 23 19	LAT. = 9 28 19.0 LONG. = 28 25 13.4 RAD. = 1736077.4	2.0 2.7 24.6
64695	X = 1454161 Y = 827012 Z = 463158	23 22 15	LAT. = 15 28 31.5 LONG. = 29 37 40.1 RAD. = 1735814.1	1.6 2.7 23.7
64697	X = 1463331 Y = 826310 Z = 435064	20 21 15	LAT. = 14 30 52.2 LONG. = 29 27 8.8 RAD. = 1735916.0	1.6 2.6 21.0
6469J	X = 1473697 Y = 819657 Z = 413998	23 19 15	LAT. = 13 47 37.1 LONG. = 29 4 56.7 RAD. = 1736379.5	1.6 2.6 22.2
8398D	X = 1478498 Y = 831337 Z = 373333	25 22 27	LAT. = 12 24 46.5 LONG. = 29 20 54.1 RAD. = 1736794.5	2.6 2.6 30.1
24255	X = 1472887 Y = 846515 Z = 359053	20 20 17	LAT. = 11 56 2.7 LONG. = 29 53 14.4 RAD. = 1736347.2	1.8 2.5 20.8
2282	X = 1477788 Y = 844038 Z = 344662	24 21 14	LAT. = 11 26 55.9 LONG. = 29 43 58.2 RAD. = 1736389.4	1.6 2.6 24.2
83953	X = 1481040 Y = 842250 Z = 334717	19 18 12	LAT. = 11 6 52.3 LONG. = 29 37 34.9 RAD. = 1736346.5	1.3 2.4 18.0

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TERRAIN POINTS ON MAP SHEET 60B (CONTINUED)

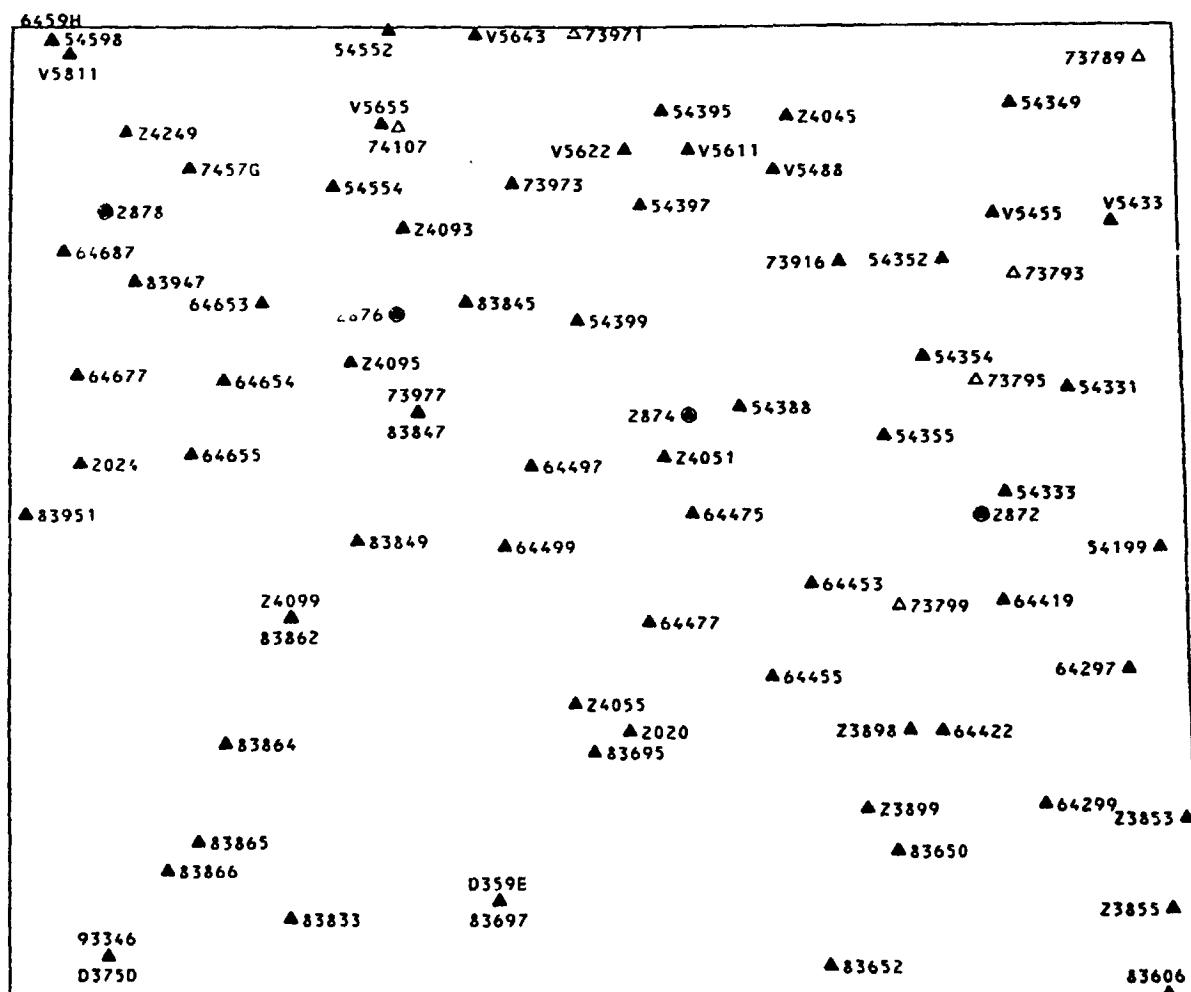
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E395C	X = 1488842	29	LAT. = 11 4 50.9	2.2
	Y = 828372	21	LONG. = 29 5 27.6	2.8
	Z = 333675	17	RAD. = 1736142.0	25.7
83966	X = 1493902	19	LAT. = 10 12 45.7	1.3
	Y = 829315	18	LONG. = 29 2 10.0	2.4
	Z = 307827	12	RAD. = 1730163.3	17.3



MAP SHEET 60C

TERRAIN POINTS ON MAP SHEET 60C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E349G	X = 1565652 Y = 711479 Z = 230995	24 25 21	LAT. = 7 39 .7 LONG. = 24 26 10.5 RAD. = 1735173.7	2.3 2.9 27.0
93498	X = 1573011 Y = 701159 Z = 211939	24 24 20	LAT. = 7 0 56.5 LONG. = 24 1 28.5 RAD. = 1735195.5	2.1 2.8 25.4
93453	X = 1539085 Y = 776233 Z = 200709	21 21 15	LAT. = 6 38 29.3 LONG. = 26 45 50.2 RAD. = 1735397.8	1.6 2.6 21.3
93455	X = 1548033 Y = 763468 Z = 179348	23 24 19	LAT. = 5 55 55.5 LONG. = 26 15 6.7 RAD. = 1735354.7	2.1 2.8 24.9
93451	X = 1531610 Y = 785166 Z = 224921	22 22 14	LAT. = 7 26 43.1 LONG. = 27 8 29.5 RAD. = 1735771.9	1.5 2.6 23.0
93366	X = 1519158 Y = 827493 Z = 141531	23 24 18	LAT. = 4 40 37.9 LONG. = 28 34 38.4 RAD. = 1735688.6	2.0 2.8 24.5
93351	X = 1497204 Y = 858061 Z = 190727	24 22 15	LAT. = 6 18 25.1 LONG. = 29 49 2.7 RAD. = 1736163.9	1.7 2.6 24.0
93352	X = 1508017 Y = 843052 Z = 169593	21 20 14	LAT. = 5 36 22.8 LONG. = 29 12 26.1 RAD. = 1735976.1	1.6 2.5 20.8



○ RANGE
OBSERVATION

▲ ◊ < 30M
△ ◊ < 100M
▽ ◊ > 100M

MAP SHEET 61A

TERRAIN POINTS ON MAP SHEET 61A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
6459H	X = 1440973	20	LAT. = 15 53 6.7	1.4
	Y = 843301	19	LONG. = 30 20 14.9	2.5
	Z = 475131	13	RAD. = 1735888.8	19.8
54598	X = 1440974	20	LAT. = 15 53 5.4	1.6
	Y = 843272	20	LONG. = 30 20 11.6	2.6
	Z = 475116	13	RAD. = 1735871.3	19.4
V5811	X = 1439574	19	LAT. = 15 46 22.9	1.4
	Y = 847682	18	LONG. = 30 29 28.9	2.4
	Z = 471885	13	RAD. = 1735976.6	17.8
Z4249	X = 1436771	21	LAT. = 15 7 46.7	1.5
	Y = 862889	19	LONG. = 30 59 16.7	2.5
	Z = 453143	13	RAD. = 1736152.5	20.5
2878	X = 1444025	19	LAT. = 14 29 1.5	1.4
	Y = 861231	18	LONG. = 30 48 44.2	2.5
	Z = 434317	13	RAD. = 1736536.7	16.7
64687	X = 1451253	18	LAT. = 14 9 19.1	1.2
	Y = 853348	18	LONG. = 30 27 21.0	2.4
	Z = 424607	11	RAD. = 1736268.4	17.0
64677	X = 1455846	20	LAT. = 13 8 23.2	1.4
	Y = 860080	18	LONG. = 30 34 25.0	2.4
	Z = 394728	12	RAD. = 1736385.4	18.5
2024	X = 1459493	24	LAT. = 12 24 37.6	1.6
	Y = 863176	21	LONG. = 30 36 3.6	2.6
	Z = 373135	14	RAD. = 1736209.5	23.9
83951	X = 1468795	21	LAT. = 11 59 79.7	1.4
	Y = 852688	19	LONG. = 30 8 2 1	2.5
	Z = 360823	12	RAD. = 1736268.2	19.9
93346	X = 1475260	22	LAT. = 8 20 19.8	1.5
	Y = 880578	19	LONG. = 30 49 58.2	2.5
	Z = 251831	12	RAD. = 1736441.1	20.5
D375D	X = 1475232	22	LAT. = 8 20 12.7	2.1
	Y = 880544	23	LONG. = 30 49 56.4	2.7
	Z = 251764	19	RAD. = 1736390.7	24.4
7457G	X = 1430648	20	LAT. = 14 49 50.5	1.5
	Y = 877671	20	LONG. = 31 31 41.5	2.5
	Z = 444417	13	RAD. = 1736251.1	19.7

U TERRAIN POINTS ON MAP SHEET 61A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
83947	X = 1443460 Y = 869625 Z = 417192	22 18 13	LAT. = 13 54 17.6 LONG. = 31 4 2.0 RAD. = 1736051.1	1.6 2.5 19.9
64654	X = 1436582 Y = 891980 Z = 393080	19 18 12	LAT. = 13 5 11.1 LONG. = 31 50 10.8 RAD. = 1736060.9	1.3 2.4 17.9
64655	X = 1444521 Y = 887033 Z = 375249	19 18 12	LAT. = 12 28 55.9 LONG. = 31 33 9.8 RAD. = 1736167.8	1.3 2.4 17.9
83864	X = 1452397 Y = 901840 Z = 304236	19 18 12	LAT. = 10 5 25.8 LONG. = 31 50 14.9 RAD. = 1736471.4	1.4 2.4 17.5
83865	X = 1459747 Y = 898100 Z = 279952	21 23 19	LAT. = 9 16 36.8 LONG. = 31 36 5.9 RAD. = 1736611.4	2.0 2.7 23.7
83866	X = 1464813 Y = 891991 Z = 272899	20 18 12	LAT. = 9 2 28.4 LONG. = 31 20 20.9 RAD. = 1736605.5	1.4 2.4 18.1
54554	X = 1412175 Y = 908908 Z = 439899	18 17 11	LAT. = 14 40 41.8 LONG. = 32 45 58.5 RAD. = 1736048.5	1.2 2.3 16.7
64653	X = 1427673 Y = 897594 Z = 411828	19 18 12	LAT. = 13 43 24.2 LONG. = 32 9 28.9 RAD. = 1735951.6	1.3 2.4 18.1
24095	X = 1418663 Y = 918296 Z = 397393	20 19 13	LAT. = 13 13 58.3 LONG. = 32 54 53.5 RAD. = 1736027.8	1.4 2.4 20.4
83849	X = 1426135 Y = 924920 Z = 353843	19 18 12	LAT. = 11 45 32.9 LONG. = 32 57 55.5 RAD. = 1736243.8	1.3 2.4 17.4
24099	X = 1438468 Y = 912849 Z = 335113	20 20 17	LAT. = 11 7 41.1 LONG. = 32 23 56.9 RAD. = 1736313.4	1.8 2.5 20.6
83862	X = 1438663 Y = 912641 Z = 334952	20 19 12	LAT. = 11 7 21.0 LONG. = 32 23 23.0 RAD. = 1736334.4	1.4 2.4 19.6

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TERRAIN POINTS ON MAP SHEET 61A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
83833	X = 1449942 Y = 919500 Z = 260842	19 18 12	LAT. = 8 38 18.9 LONG. = 32 22 53.0 RAD. = 1736620.2	1.4 2.4 17.9
54552	X = 1397075 Y = 915852 Z = 478073	18 18 12	LAT. = 15 58 13.0 LONG. = 33 14 48.5 RAD. = 1737572.4	1.3 2.4 17.3
V5643	X = 1385220 Y = 934292 Z = 476904	18 18 12	LAT. = 15 55 48.5 LONG. = 33 59 54.8 RAD. = 1737577.3	1.3 2.4 16.8
V5655	X = 1402520 Y = 917239 Z = 455162	20 19 18	LAT. = 15 11 42.9 LONG. = 33 11 3.9 RAD. = 1736537.4	1.9 2.5 20.7
74107	X = 1400192 Y = 920818 Z = 454303	34 22 22	LAT. = 15 10 3.9 LONG. = 33 19 49.5 RAD. = 1736328.3	2.0 2.8 36.2
24093	X = 1404795 Y = 925107 Z = 429817	21 19 12	LAT. = 14 20 3.1 LONG. = 33 21 58.7 RAD. = 1736092.2	1.5 2.4 20.2
83845	X = 1399726 Y = 940754 Z = 411943	21 18 12	LAT. = 13 43 34.8 LONG. = 33 54 18.0 RAD. = 1736072.9	1.5 2.4 19.2
2876	X = 1409907 Y = 926576 Z = 409164	18 18 12	LAT. = 13 37 56.2 LONG. = 33 18 45.0 RAD. = 1736028.7	1.4 2.4 16.2
73977	X = 1411772 Y = 934130 Z = 385203	20 27 21	LAT. = 12 49 9.4 LONG. = 33 29 29.4 RAD. = 1736111.1	2.1 2.9 26.2
83847	X = 1411847 Y = 934042 Z = 385107	20 18 12	LAT. = 12 48 57.9 LONG. = 33 29 15.4 RAD. = 1736103.1	1.4 2.4 17.9
73971	X = 1370679 Y = 954452 Z = 477062	46 75 21	LAT. = 15 56 26.0 LONG. = 34 51 3.1 RAD. = 1737045.5	4.4 5.2 71.0
73973	X = 1387226 Y = 946734 Z = 440648	22 25 15	LAT. = 14 42 4.7 LONG. = 34 18 43.8 RAD. = 1736338.7	1.6 2.7 26.2

TERRAIN POINTS ON MAP SHEET 61A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
54399	X = 1384835	18	LAT. = 13 34 16.4	1.2
	Y = 964733	17	LONG. = 34 51 45.5	2.3
	Z = 407411	11	RAD. = 1736220.7	16.4
64497	X = 1398352	18	LAT. = 12 22 14.9	1.2
	Y = 959735	17	LONG. = 34 27 47.2	2.3
	Z = 371988	11	RAD. = 1736334.0	16.3
64499	X = 1405978	18	LAT. = 11 42 27.2	1.3
	Y = 956327	17	LONG. = 34 13 22.8	2.3
	Z = 352369	11	RAD. = 1736519.1	16.8
Z4055	X = 1402485	19	LAT. = 10 24 14.6	1.8
	Y = 975118	20	LONG. = 34 48 36.2	2.4
	Z = 313632	17	RAD. = 1736716.7	20.0
83695	X = 1401532	20	LAT. = 10 0 18.7	1.4
	Y = 980162	18	LONG. = 34 58 1.3	2.3
	Z = 301726	12	RAD. = 1736677.8	19.3
D359E	X = 1420260	23	LAT. = 8 46 55.6	1.6
	Y = 963336	21	LONG. = 34 8 53.9	2.5
	Z = 265124	14	RAD. = 1736504.4	24.1
83697	X = 1420283	19	LAT. = 8 46 52.6	1.4
	Y = 963398	18	LONG. = 34 8 58.6	2.4
	Z = 265108	12	RAD. = 1736555.1	17.5
54395	X = 1361661	18	LAT. = 15 18 1.1	1.2
	Y = 975062	17	LONG. = 35 36 20.8	2.3
	Z = 458176	11	RAD. = 1736315.6	16.5
V5622	X = 1369269	19	LAT. = 14 58 52.5	1.4
	Y = 968809	17	LONG. = 35 16 51.0	2.4
	Z = 448855	12	RAD. = 1736363.8	17.6
V5611	X = 1359873	19	LAT. = 14 58 43.3	1.8
	Y = 981876	19	LONG. = 35 49 50.2	2.4
	Z = 448763	18	RAD. = 1736295.5	20.4
54397	X = 1369981	18	LAT. = 14 31 24.9	1.3
	Y = 973925	18	LONG. = 35 24 33.1	2.3
	Z = 435444	11	RAD. = 1736372.4	17.2
2874	X = 1373333	18	LAT. = 12 47 28.4	1.4
	Y = 990560	17	LONG. = 35 48 8.0	2.4
	Z = 384435	12	RAD. = 1736387.6	15.8

TERRAIN POINTS ON MAP SHEET 61A (CONTINUED)

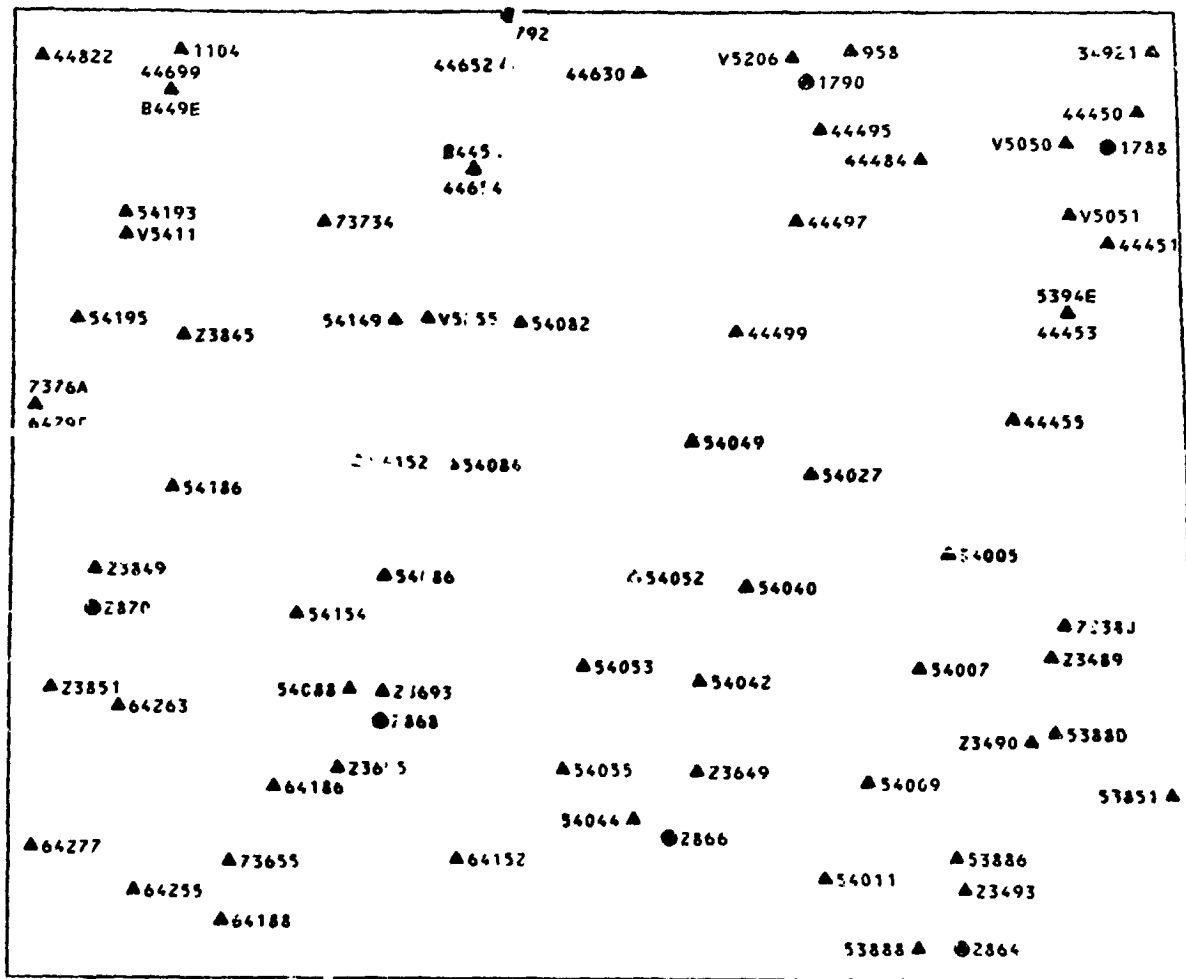
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Z4051	X = 1378889	20	LAT. = 12 26 28.7	1.4
	Y = 986878	19	LONG. = 35 35 29.4	2.4
	Z = 374096	13	RAD. = 1736435.9	19.9
64475	X = 1377292	18	LAT. = 11 58 30.8	1.3
	Y = 994361	18	LONG. = 35 49 41.1	2.3
	Z = 360309	12	RAD. = 1736522.7	17.2
64477	X = 1388547	19	LAT. = 11 4 39.4	1.4
	Y = 988445	18	LONG. = 35 26 43.3	2.4
	Z = 333705	12	RAD. = 1736791.4	17.6
2020	X = 1395677	23	LAT. = 10 10 29.0	1.6
	Y = 987141	21	LONG. = 35 16 16.3	2.5
	Z = 306808	14	RAD. = 1736805.1	23.4
Z4045	X = 1343500	22	LAT. = 15 15 9.8	1.8
	Y = 1000529	18	LONG. = 36 40 32.6	2.4
	Z = 456777	14	RAD. = 1736287.7	20.0
V5488	X = 1348493	18	LAT. = 14 48 39.0	1.3
	Y = 999612	17	LONG. = 36 32 55.8	2.3
	Z = 443842	12	RAD. = 1736275.5	16.4
54388	X = 1365495	18	LAT. = 12 51 19.6	1.3
	Y = 1000647	17	LONG. = 36 14 3.5	2.3
	Z = 386338	11	RAD. = 1736413.1	16.8
64453	X = 1362919	18	LAT. = 11 23 48.7	1.3
	Y = 1020380	17	LONG. = 36 49 16.3	2.2
	Z = 343200	12	RAD. = 1736810.1	17.2
64455	X = 1372669	18	LAT. = 10 37 52.1	1.3
	Y = 1014864	17	LONG. = 36 28 36.8	2.2
	Z = 320434	11	RAD. = 1736907.4	16.4
83652	X = 1373912	20	LAT. = 8 14 35.0	1.4
	Y = 1032561	18	LONG. = 36 55 35.8	2.3
	Z = 248982	12	RAD. = 1736608.4	19.2
54352	X = 1327619	17	LAT. = 14 4 8.9	1.2
	Y = 1036135	17	LONG. = 37 58 12.4	2.2
	Z = 422049	11	RAD. = 1736166.4	16.2
73916	X = 1343378	23	LAT. = 14 3 .3	1.6
	Y = 1016028	23	LONG. = 37 6 3.8	2.5
	Z = 421515	14	RAD. = 1736275.2	26.2

TERRAIN POINTS ON MAP SHEET 61A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
54354	X = 1335473	18	LAT. = 13 16 8.3	1.2
	Y = 1035415	17	LONG. = 37 47 13.3	2.2
	Z = 398496	11	RAD. = 1736194.8	16.7
54355	X = 1345241	18	LAT. = 12 37 1.4	1.4
	Y = 1030303	18	LONG. = 37 26 53.0	2.3
	Z = 379286	13	RAD. = 1736391.9	18.3
73799	X = 1350692	22	LAT. = 11 12 56.0	2.5
	Y = 1038174	38	LONG. = 37 32 48.2	3.4
	Z = 537798	26	RAD. = 1736744.2	37.2
23898	X = 1353979	19	LAT. = 10 11 17.7	1.6
	Y = 1043674	19	LONG. = 37 37 32.7	2.3
	Z = 307232	15	RAD. = 1736923.9	19.6
64422	X = 1348963	18	LAT. = 10 10 58.8	1.3
	Y = 1050246	17	LONG. = 37 54 10.2	2.2
	Z = 307081	11	RAD. = 1736956.3	16.6
23899	X = 1363305	19	LAT. = 9 32 29.0	1.8
	Y = 1037076	20	LONG. = 37 15 37.8	2.4
	Z = 287918	16	RAD. = 1736957.9	19.7
83650	X = 1360272	20	LAT. = 9 11 38.4	1.4
	Y = 1043722	18	LONG. = 37 29 55.1	2.3
	Z = 277513	12	RAD. = 1736867.5	19.2
54349	X = 1308719	18	LAT. = 15 21 22.8	1.3
	Y = 1044400	16	LONG. = 38 35 27.5	2.2
	Z = 459826	11	RAD. = 1736363.2	16.1
V5455	X = 1317420	19	LAT. = 14 26 55.6	1.8
	Y = 1044729	19	LONG. = 38 24 53.3	2.4
	Z = 433232	18	RAD. = 1736302.1	20.0
73793	X = 1317018	28	LAT. = 13 57 10.8	2.0
	Y = 1050887	34	LONG. = 38 35 14.6	2.7
	Z = 418626	14	RAD. = 1736130.3	37.3
73795	X = 1328288	26	LAT. = 13 4 17.8	1.6
	Y = 1046839	35	LONG. = 38 14 31.4	2.9
	Z = 392675	15	RAD. = 1736206.7	37.3
54333	X = 1328911	18	LAT. = 12 9 18.8	1.2
	Y = 1055955	17	LONG. = 38 28 14.5	2.2
	Z = 365595	11	RAD. = 1736290.6	16.9

TERRAIN POINTS ON MAP SHEET 61A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2872	X = 1333657	18	LAT. = 11 58 8.2	1.4
	Y = 1051987	17	LONG. = 38 15 58.8	2.3
	Z = 360091	12	RAD. = 1736370.2	15.5
64419	X = 1334090	18	LAT. = 11 15 24.2	1.3
	Y = 1058747	17	LONG. = 38 26 9.1	2.2
	Z = 338986	12	RAD. = 1736563.2	16.7
64299	X = 1335942	18	LAT. = 9 34 48.5	1.7
	Y = 1072581	19	LONG. = 38 45 35.1	2.3
	Z = 289161	16	RAD. = 1737465.6	20.0
73789	X = 1285993	35	LAT. = 15 43 25.3	3.6
	Y = 1067957	30	LONG. = 39 42 28.9	2.4
	Z = 470617	22	RAD. = 1736603.1	36.4
V5433	X = 1299013	17	LAT. = 14 22 55.8	1.3
	Y = 1068132	17	LONG. = 39 25 45.3	2.3
	Z = 431247	12	RAD. = 1736178.4	15.9
54331	X = 1314120	20	LAT. = 13 1 1.6	1.3
	Y = 1065035	18	LONG. = 39 1 23.5	2.2
	Z = 391048	12	RAD. = 1736125.5	20.7
54199	X = 1306599	17	LAT. = 11 41 54.3	1.2
	Y = 1087750	17	LONG. = 39 46 39.2	2.2
	Z = 352029	11	RAD. = 1736181.4	16.6
64297	X = 1316814	18	LAT. = 10 41 43.2	1.2
	Y = 1085165	17	LONG. = 39 29 29.0	2.2
	Z = 322271	11	RAD. = 1736502.8	16.5
Z3853	X = 1313292	19	LAT. = 9 28 3.0	1.6
	Y = 1099670	19	LONG. = 39 56 26.7	2.3
	Z = 285641	14	RAD. = 1736549.2	19.6
Z3855	X = 1318633	18	LAT. = 8 43 5.8	1.7
	Y = 1098796	19	LONG. = 39 48 14.1	2.3
	Z = 263211	16	RAD. = 1736498.7	19.6
83606	X = 1322058	20	LAT. = 8 1 5.2	1.4
	Y = 1099551	18	LONG. = 39 45 .0	2.3
	Z = 242221	12	RAD. = 1736525.5	19.2



○ RANGE
 OBSERVATION

▲ ● < 30M
 △ ● < 10FM
 ▽ ● > 10FM

MAP SHEET 61B

TERRAIN POINTS ON MAP SHEET 61B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
44822	X = 1276812	17	LAT. = 15 37 14.1	1.2
	Y = 1080210	16	LONG. = 40 13 55.0	2.2
	Z = 467606	11	RAD. = 1736593.6	16.0
54193	X = 1270561	17	LAT. = 14 20 7.0	1.2
	Y = 1102894	16	LONG. = 40 57 33.1	2.2
	Z = 429966	11	RAD. = 1736540.3	15.8
V5411	X = 1271582	18	LAT. = 14 9 24.8	1.8
	Y = 1104035	19	LONG. = 40 57 56.6	2.3
	Z = 424766	17	RAD. = 1736732.6	19.9
54195	X = 1282673	17	LAT. = 13 27 58.6	1.2
	Y = 1097560	16	LONG. = 40 33 10.8	2.2
	Z = 404241	10	RAD. = 1735885.4	15.4
7376A	X = 1293457	32	LAT. = 12 44 37.1	1.5
	Y = 1092888	24	LONG. = 40 11 44.4	2.5
	Z = 382968	15	RAD. = 1736115.9	35.4
6429C	X = 1293465	23	LAT. = 12 44 31.4	1.6
	Y = 1092931	20	LONG. = 40 11 47.8	2.4
	Z = 382926	13	RAD. = 1736139.6	22.6
23849	X = 1289963	20	LAT. = 11 23 24.7	1.4
	Y = 1110403	19	LONG. = 40 43 18.9	2.3
	Z = 342892	12	RAD. = 1736252.9	19.5
2870	X = 1291897	18	LAT. = 11 3 48.9	1.4
	Y = 1111273	16	LONG. = 40 42 6.0	2.3
	Z = 333205	12	RAD. = 1736361.5	15.3
23851	X = 1301476	19	LAT. = 10 24 16.3	1.4
	Y = 1105844	19	LONG. = 40 21 14.5	2.3
	Z = 313587	13	RAD. = 1736394.6	19.5
64263	X = 1290973	18	LAT. = 10 15 8.3	1.4
	Y = 1119398	17	LONG. = 40 55 42.4	2.2
	Z = 309055	12	RAD. = 1736427.2	16.9
64277	X = 1309716	19	LAT. = 9 5 10.9	1.4
	Y = 1103676	17	LONG. = 40 11 49.0	2.2
	Z = 274227	12	RAD. = 1736458.1	17.1
1104	X = 1253462	21	LAT. = 15 40 36.7	1.6
	Y = 1106046	20	LONG. = 41 25 29.9	2.4
	Z = 469159	14	RAD. = 1736264.9	22.2

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TERRAIN POINTS ON MAP SHEET 61B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
44699	X = 1257187 Y = 1106248 Z = 459562	17 16 11	LAT. = 15 20 45.2 LONG. = 41 20 44.9 RAD. = 1736520.3	1.3 2.2 15.9
B449E	X = 1257192 Y = 1106227 Z = 459515	21 20 15	LAT. = 15 20 40.1 LONG. = 41 20 42.5 RAD. = 1736497.3	1.6 2.4 22.1
23845	X = 1266320 Y = 1119139 Z = 400248	21 18 13	LAT. = 13 19 27.1 LONG. = 41 28 9.7 RAD. = 1736731.9	1.7 2.3 19.4
54186	X = 1274226 Y = 1122192 Z = 362781	19 19 12	LAT. = 12 3 37.9 LONG. = 41 22 11.6 RAD. = 1736253.6	1.3 2.2 20.3
73655	X = 1277102 Y = 1144738 Z = 270528	19 22 18	LAT. = 8 57 49.8 LONG. = 41 52 17.9 RAD. = 1736259.9	2.0 2.5 22.3
64255	X = 1294027 Y = 1127591 Z = 263299	17 16 11	LAT. = 8 43 17.0 LONG. = 41 4 5.9 RAD. = 1736460.0	1.2 2.1 15.7
64188	X = 1280205 Y = 1144839 Z = 255870	19 19 13	LAT. = 8 28 25.7 LONG. = 41 48 18.2 RAD. = 1736390.7	1.5 2.3 19.3
73734	X = 1237314 Y = 1140433 Z = 427670	29 20 15	LAT. = 14 15 36.2 LONG. = 42 40 .4 RAD. = 1736212.3	2.2 2.6 26.1
54152	X = 1241778 Y = 1156621 Z = 369121	17 16 11	LAT. = 12 16 17.5 LONG. = 42 57 59.5 RAD. = 1736673.2	1.2 2.1 15.9
54154	X = 1257614 Y = 1149965 Z = 331706	17 16 11	LAT. = 11 0 53.6 LONG. = 42 26 23.5 RAD. = 1736099.5	1.2 2.1 16.8
54088	X = 1251031 Y = 1162197 Z = 313016	19 22 15	LAT. = 10 23 15.5 LONG. = 42 53 30.6 RAD. = 1736018.4	1.6 2.3 22.5
23695	X = 1256238 Y = 1162850 Z = 293791	18 19 12	LAT. = 9 44 18.5 LONG. = 42 47 21.2 RAD. = 1736855.2	1.4 2.2 19.0

TERRAIN POINTS ON MAP SHEET 61B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
64186	X = 1267219 Y = 1151076 Z = 288934	18 20 14	LAT. = 9 34 47.1 LONG. = 42 15 1.3 RAD. = 1736174.4	1.5 2.3 20.6
B445K	X = 1208770 Y = 1165767 Z = 440402	21 20 14	LAT. = 14 41 41.5 LONG. = 43 57 44.9 RAD. = 1736113.2	1.6 2.4 22.0
44654	X = 1208770 Y = 1165750 Z = 440341	17 17 13	LAT. = 14 41 34.8 LONG. = 43 57 43.5 RAD. = 1736087.0	1.4 2.2 17.3
V5255	X = 1223558 Y = 1163851 Z = 404200	18 19 18	LAT. = 13 27 39.5 LONG. = 43 34 2.5 RAD. = 1736381.4	1.8 2.3 19.9
54149	X = 1229603 Y = 1157946 Z = 403770	17 16 11	LAT. = 13 26 40.6 LONG. = 43 16 51.3 RAD. = 1736604.0	1.3 2.1 15.8
54084	X = 1225527 Y = 1173720 Z = 368485	16 16 10	LAT. = 12 15 5.6 LONG. = 43 45 46.9 RAD. = 1736466.4	1.2 2.1 15.2
54086	X = 1241140 Y = 1165120 Z = 341036	18 18 11	LAT. = 11 19 42.1 LONG. = 43 11 25.7 RAD. = 1736155.9	1.3 2.2 18.2
Z3693	X = 1245377 Y = 1168454 Z = 312426	19 18 12	LAT. = 10 22 3.6 LONG. = 43 10 29.1 RAD. = 1736047.1	1.4 2.2 19.1
2868	X = 1246698 Y = 1168944 Z = 305229	17 16 12	LAT. = 10 7 34.7 LONG. = 43 9 23.1 RAD. = 1736045.1	1.4 2.2 15.0
64152	X = 1237878 Y = 1187133 Z = 271227	17 16 10	LAT. = 8 59 10.6 LONG. = 43 48 4.4 RAD. = 1736430.3	1.2 2.1 15.6
1792	X = 1195017 Y = 1165083 Z = 477664	17 16 12	LAT. = 15 58 16.4 LONG. = 44 16 24.0 RAD. = 1735985.6	1.4 2.3 14.9
44652	X = 1197893 Y = 1166765 Z = 465667	16 16 11	LAT. = 15 33 40.1 LONG. = 44 14 45.0 RAD. = 1735838.0	1.2 2.1 15.3

TERRAIN POINTS ON MAP SHEET 61B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
54082	X = 1207347 Y = 1180810 Z = 403054	18 17 11	LAT. = 13 25 24.2 LONG. = 44 21 48.2 RAD. = 1736217.7	1.3 2.1 17.1
54053	X = 1208954 Y = 1204480 Z = 318902	17 16 10	LAT. = 10 35 4.9 LONG. = 44 53 37.6 RAD. = 1736099.7	1.2 2.1 16.4
54055	X = 1216329 Y = 1204218 Z = 293517	17 16 11	LAT. = 9 43 50.9 LONG. = 44 42 47.9 RAD. = 1736591.3	1.2 2.1 16.2
44630	X = 1174962 Y = 1191302 Z = 463778	17 17 12	LAT. = 15 29 31.0 LONG. = 45 23 44.4 RAD. = 1736325.8	1.3 2.1 16.9
54049	X = 1181781 Y = 1216641 Z = 374261	17 16 11	LAT. = 12 26 36.0 LONG. = 45 49 57.7 RAD. = 1736920.8	1.3 2.1 15.5
54052	X = 1196804 Y = 1210598 Z = 340835	16 15 10	LAT. = 11 19 19.0 LONG. = 45 19 41.8 RAD. = 1736104.2	1.2 2.0 14.9
54042	X = 1188653 Y = 1225682 Z = 315213	18 18 12	LAT. = 10 27 35.9 LONG. = 45 52 43.3 RAD. = 1736246.2	1.4 2.1 18.9
23649	X = 1191821 Y = 1227758 Z = 292976	19 18 12	LAT. = 9 42 57.9 LONG. = 45 51 3.4 RAD. = 1735990.5	1.4 2.2 18.9
54044	X = 1204891 Y = 1218058 Z = 281069	17 18 12	LAT. = 9 18 59.1 LONG. = 45 18 40.9 RAD. = 1736210.4	1.4 2.1 18.0
2866	X = 1199307 Y = 1225002 Z = 276741	17 16 12	LAT. = 9 10 11.9 LONG. = 45 36 26.1 RAD. = 1736534.9	1.4 2.1 14.6
V5206	X = 1147067 Y = 1218188 Z = 467814	18 18 12	LAT. = 15 37 12.7 LONG. = 46 43 20.3 RAD. = 1737410.7	1.4 2.2 19.2
1790	X = 1145495 Y = 1221588 Z = 462024	17 16 12	LAT. = 15 25 25.8 LONG. = 46 50 28.4 RAD. = 1737210.8	1.4 2.2 14.6

TERRAIN POINTS ON MAP SHEET 61B (CONTINUED)

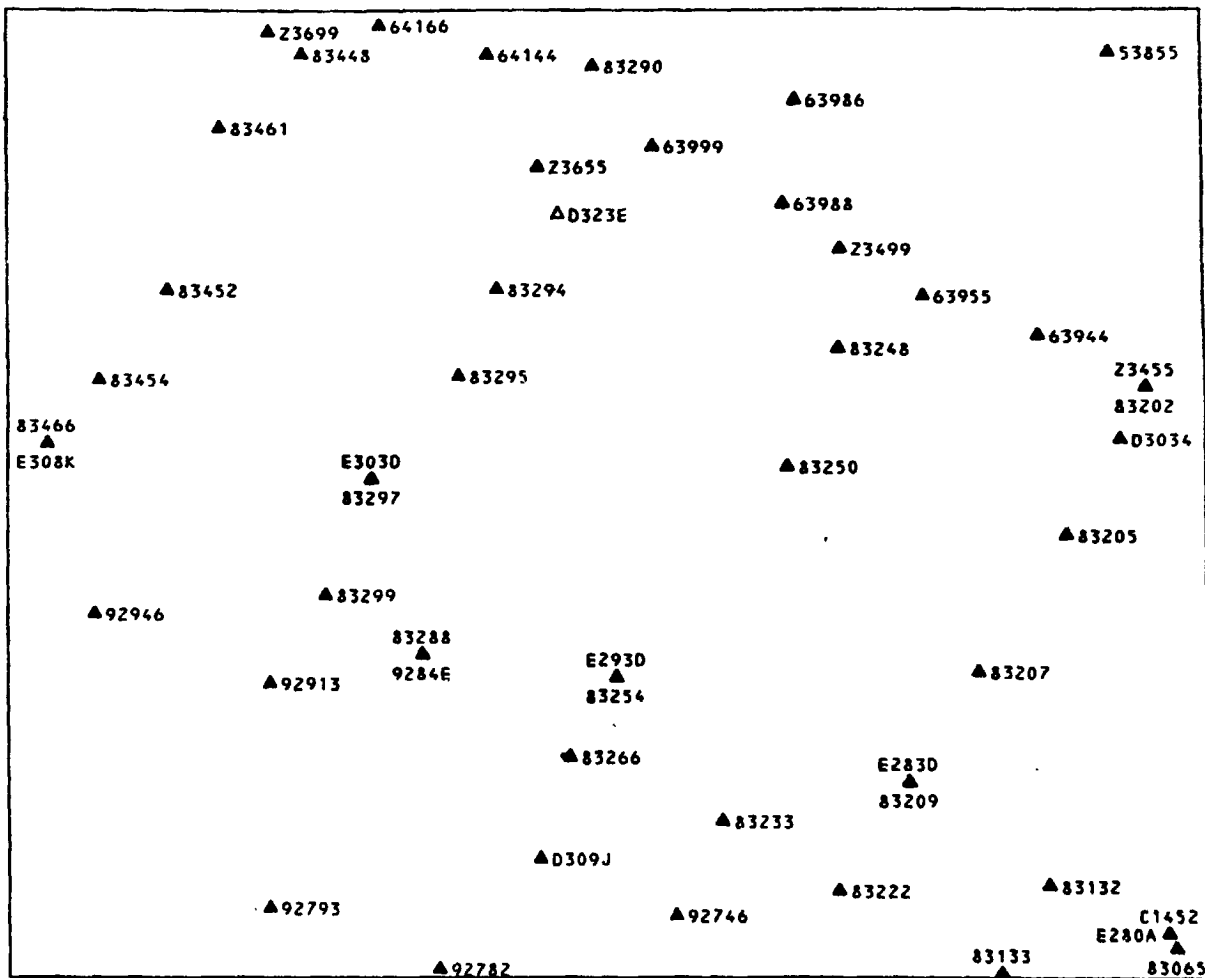
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
44495	X = 1145512	17	LAT. = 15 1 29.4	1.3
	Y = 1226383	17	LONG. = 46 57 10.0	2.1
	Z = 450441	12	RAD. = 1737558.7	17.0
44497	X = 1153950	16	LAT. = 14 16 1.2	1.2
	Y = 1226217	16	LONG. = 46 44 20.7	2.0
	Z = 428164	11	RAD. = 1737392.7	15.1
44499	X = 1169133	16	LAT. = 13 20 58.8	1.2
	Y = 1219734	16	LONG. = 46 12 48.5	2.0
	Z = 400943	11	RAD. = 1736484.4	14.9
54027	X = 1161324	17	LAT. = 12 10 42.2	1.3
	Y = 1238066	16	LONG. = 46 49 54.9	2.1
	Z = 366340	11	RAD. = 1736573.5	16.1
54040	X = 1177078	17	LAT. = 11 14 38.7	1.3
	Y = 1230740	16	LONG. = 46 16 36.2	2.0
	Z = 338566	10	RAD. = 1736336.0	15.8
54011	X = 1171391	17	LAT. = 8 50 9.0	1.6
	Y = 1252485	21	LONG. = 46 54 58.3	2.3
	Z = 266579	14	RAD. = 1735494.3	19.4
958	X = 1135914	20	LAT. = 15 40 26.6	1.5
	Y = 1228005	20	LONG. = 47 13 51.4	2.3
	Z = 469389	14	RAD. = 1737418.8	21.2
44484	X = 1126984	16	LAT. = 14 46 43.5	1.3
	Y = 1242805	17	LONG. = 47 47 53.0	2.1
	Z = 442600	12	RAD. = 1735094.1	16.7
54005	X = 1138691	16	LAT. = 11 31 3.1	1.2
	Y = 1263820	16	LONG. = 47 58 53.1	2.0
	Z = 346641	10	RAD. = 1736092.8	15.2
54007	X = 1148219	16	LAT. = 10 34 21.4	1.3
	Y = 1262789	16	LONG. = 47 43 14.3	2.0
	Z = 318568	11	RAD. = 1736239.8	16.0
54009	X = 1161217	17	LAT. = 9 37 22.8	1.2
	Y = 1257857	16	LONG. = 47 17 15.7	2.0
	Z = 290255	10	RAD. = 1736340.0	16.2
53888	X = 1156463	16	LAT. = 8 15 44.3	1.2
	Y = 1269958	16	LONG. = 47 40 40.4	2.0
	Z = 249419	10	RAD. = 1735633.1	15.8

TERRAIN POINTS ON MAP SHEET 61B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
44455	X = 1121553 Y = 1270187 Z = 379571	15 15 10	LAT. = 12 37 34.0 LONG. = 48 33 21.8 RAD. = 1736470.3	1.2 2.0 14.6
7338J	X = 1119065 Y = 1285385 Z = 329239	24 20 16	LAT. = 10 56 2.4 LONG. = 48 57 25.0 RAD. = 1735776.6	2.1 2.5 22.2
Z3489	X = 1122897 Y = 1284519 Z = 321328	20 18 13	LAT. = 10 39 57.6 LONG. = 48 50 26.8 RAD. = 1734126.9	1.8 2.1 18.9
5388D	X = 1124776 Y = 1287464 Z = 302754	20 18 12	LAT. = 10 2 33.0 LONG. = 48 51 30.0 RAD. = 1736186.8	1.6 2.1 18.9
Z3490	X = 1130458 Y = 1284900 Z = 300848	19 18 12	LAT. = 9 58 12.6 LONG. = 48 39 31.0 RAD. = 1737645.5	1.6 2.1 18.7
53886	X = 1147008 Y = 1274383 Z = 271780	17 18 11	LAT. = 9 0 26.0 LONG. = 48 0 40.3 RAD. = 1735956.1	1.3 2.0 17.9
Z3493	X = 1146056 Y = 1276503 Z = 263840	19 19 13	LAT. = 8 44 36.6 LONG. = 48 4 56.0 RAD. = 1735659.6	1.5 2.2 18.9
2864	X = 1148410 Y = 1277236 Z = 240518	17 16 12	LAT. = 8 15 56.0 LONG. = 48 2 24.4 RAD. = 1735637.4	1.4 2.1 14.5
34921	X = 1077405 Y = 1275102 Z = 468400	16 16 11	LAT. = 15 40 25.0 LONG. = 49 48 13.2 RAD. = 1733806.5	1.3 2.0 15.8
44450	X = 1083366 Y = 1275611 Z = 453852	17 17 12	LAT. = 15 10 22.5 LONG. = 49 39 32.5 RAD. = 1734025.9	1.4 2.1 17.3
V5050	X = 1098506 Y = 1265958 Z = 446588	18 19 13	LAT. = 14 55 9.9 LONG. = 49 3 3.3 RAD. = 1734591.1	1.4 2.2 19.6
1788	X = 1091078 Y = 1273214 Z = 445890	18 16 13	LAT. = 14 53 29.9 LONG. = 49 24 18.5 RAD. = 1735034.0	1.6 2.3 14.6

TERRAIN POINTS ON MAP SHEET 61B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V5051	X = 1100970	18	LAT. = 14 19 44.9	1.4
	Y = 1269611	19	LONG. = 49 4 8.8	2.1
	Z = 429261	13	RAD. = 1734448.5	19.7
44451	X = 1096516	18	LAT. = 14 5 30.1	1.4
	Y = 1278915	17	LONG. = 49 23 27.2	2.1
	Z = 422890	12	RAD. = 1736895.6	18.4
5394E	X = 1107271	23	LAT. = 13 31 10.3	2.1
	Y = 1275710	20	LONG. = 49 2 35.5	2.3
	Z = 406156	15	RAD. = 1737368.0	21.9
44453	X = 1107312	16	LAT. = 13 30 56.2	1.3
	Y = 1275766	16	LONG. = 49 2 36.2	2.0
	Z = 406051	11	RAD. = 1737410.5	16.0
53851	X = 1104387	16	LAT. = 9 32 17.2	1.2
	Y = 1308200	16	LONG. = 49 49 43.8	1.9
	Z = 287667	10	RAD. = 1736032.8	15.0



○ RANGE
OBSERVATION

▲ < 30M
△ < 100M
▽ > 100M

MAP SHEET 61C

TERRAIN POINTS ON MAP SHEET 61C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
83454	X = 1309943	18	LAT. = 4 56 51.8	1.3
	Y = 1129438	17	LONG. = 40 46 5.0	2.2
	Z = 149732	11	RAD. = 1736088.2	16.4
83466	X = 1319518	18	LAT. = 4 25 21.8	1.3
	Y = 1120390	17	LONG. = 40 20 3.4	2.2
	Z = 133884	11	RAD. = 1736181.3	16.6
E308K	X = 1319536	26	LAT. = 4 25 17.5	1.9
	Y = 1120419	20	LONG. = 40 20 4.6	2.5
	Z = 133851	15	RAD. = 1736211.4	24.4
92946	X = 1313975	19	LAT. = 3 0 21.7	1.4
	Y = 1131328	17	LONG. = 40 43 42.0	2.2
	Z = 91053	12	RAD. = 1736296.5	17.8
83461	X = 1285260	20	LAT. = 7 1 33.1	1.5
	Y = 1148287	19	LONG. = 41 46 42.6	2.3
	Z = 212409	13	RAD. = 1736541.3	19.4
83452	X = 1297017	20	LAT. = 5 41 3.8	1.5
	Y = 1141280	20	LONG. = 41 20 43.5	2.3
	Z = 171967	13	RAD. = 1736186.6	21.0
Z3699	X = 1274637	18	LAT. = 7 49 11.7	1.7
	Y = 1155617	19	LONG. = 42 11 46.3	2.3
	Z = 236290	16	RAD. = 1736658.8	19.3
83448	X = 1269488	22	LAT. = 7 38 5.9	1.8
	Y = 1162062	19	LONG. = 42 28 13.1	2.3
	Z = 230705	14	RAD. = 1736436.3	21.0
83299	X = 1275050	19	LAT. = 3 9 22.9	1.5
	Y = 1175053	17	LONG. = 42 39 46.3	2.2
	Z = 95617	12	RAD. = 1736561.2	17.6
92913	X = 1285300	18	LAT. = 2 25 26.9	1.3
	Y = 1165270	17	LONG. = 42 11 45.1	2.2
	Z = 73445	11	RAD. = 1736445.8	17.0
92793	X = 1286474	25	LAT. = 0 34 9.6	1.5
	Y = 1166011	21	LONG. = 42 11 16.7	2.3
	Z = 17253	13	RAD. = 1736345.2	26.2
64166	X = 1255652	19	LAT. = 7 52 22.9	2.0
	Y = 1176336	23	LONG. = 43 7 55.4	2.4
	Z = 237926	18	RAD. = 1736961.8	22.4

TERRAIN POINTS ON MAP SHEET 61C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
83295	X = 1248632 Y = 1197051 Z = 150326	19 19 12	LAT. = 4 58 .8 LONG. = 43 47 30.4 RAD. = 1736263.5	1.4 2.2 19.4
E303D	X = 1265376 Y = 1182590 Z = 124705	27 19 18	LAT. = 4 7 5.9 LONG. = 43 3 47.1 RAD. = 1736446.5	2.3 2.6 24.2
83297	X = 1265422 Y = 1182536 Z = 124621	20 29 13	LAT. = 4 6 56.0 LONG. = 43 3 38.7 RAD. = 1736437.2	1.5 2.6 27.2
83288	X = 1258173 Y = 1192973 Z = 80642	19 19 13	LAT. = 2 39 46.6 LONG. = 43 28 34.7 RAD. = 1735709.3	1.5 2.3 18.9
9284E	X = 1258238 Y = 1192989 Z = 80540	32 29 32	LAT. = 2 39 34.1 LONG. = 43 28 30.7 RAD. = 1735762.7	4.0 2.5 37.1
92782	X = 1257101 Y = 1197140 Z = 2044	21 20 12	LAT. = 0 4 2.8 LONG. = 43 36 1.6 RAD. = 1735929.9	1.5 2.2 21.8
64144	X = 1236767 Y = 1196077 Z = 230381	17 17 12	LAT. = 7 37 35.9 LONG. = 44 2 30.5 RAD. = 1735877.4	1.3 2.1 16.4
83290	X = 1217958 Y = 1215175 Z = 227506	17 17 11	LAT. = 7 31 57.8 LONG. = 44 56 4.1 RAD. = 1735462.5	1.3 2.1 16.2
Z3655	X = 1230289 Y = 1207602 Z = 202518	17 19 16	LAT. = 6 42 .4 LONG. = 44 28 .6 RAD. = 1735778.2	1.8 2.2 19.1
D323E	X = 1227586 Y = 1212056 Z = 190596	36 32 26	LAT. = 6 18 16.6 LONG. = 44 38 7.0 RAD. = 1735619.1	3.6 2.5 41.2
83294	X = 1240081 Y = 1202453 Z = 171975	20 18 12	LAT. = 5 41 8.5 LONG. = 44 7 2.7 RAD. = 1735877.1	1.4 2.2 19.3
83266	X = 1233031 Y = 1220570 Z = 55052	17 17 11	LAT. = 1 49 2.8 LONG. = 44 42 32.5 RAD. = 1735853.0	1.3 2.1 16.0

TERRAIN POINTS ON MAP SHEET 61C (CONTINUED)

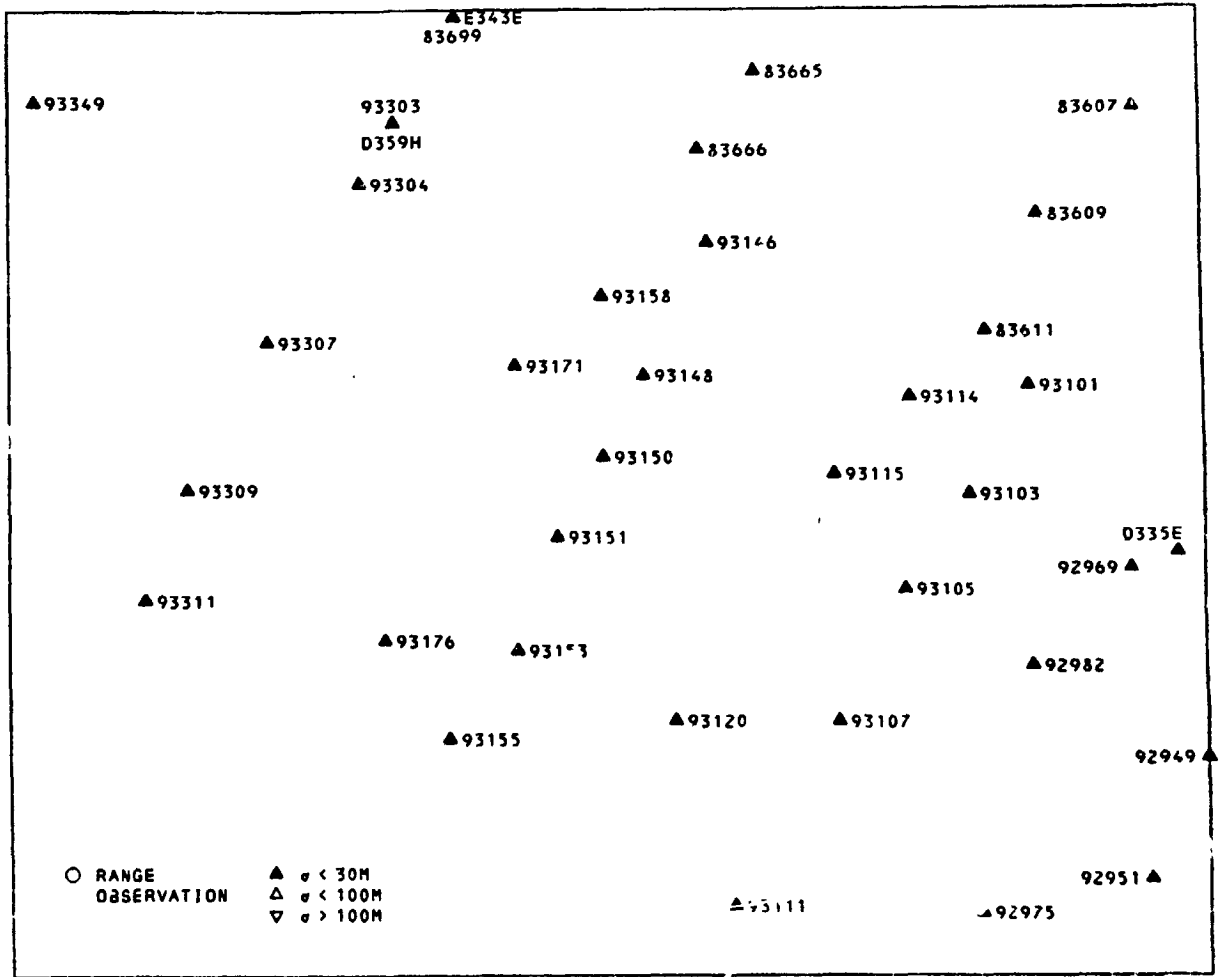
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D309J	X = 1238910 Y = 1215527 Z = 29600	21 25 18	LAT. = 0 58 37.4 LONG. = 44 27 15.0 RAD. = 1735880.0	2.2 2.4 25.1
63999	X = 1209115 Y = 1227509 Z = 207530	16 16 11	LAT. = 6 52 4.8 LONG. = 45 25 57.1 RAD. = 1735455.5	1.3 2.0 15.6
E293D	X = 1223917 Y = 1228277 Z = 74984	26 19 17	LAT. = 2 28 34.2 LONG. = 45 6 6.8 RAD. = 1735585.9	2.1 2.5 24.5
83254	X = 1223959 Y = 1228248 Z = 74917	20 20 14	LAT. = 2 28 26.2 LONG. = 45 6 .8 RAD. = 1735592.4	1.6 2.2 21.6
83233	X = 1206115 Y = 1247606 Z = 38955	17 17 11	LAT. = 1 17 9.5 LONG. = 45 58 7.5 RAD. = 1735728.4	1.3 2.1 16.2
92746	X = 1214884 Y = 1239784 Z = 15392	18 17 12	LAT. = 0 30 29.0 LONG. = 45 34 52.3 RAD. = 1735869.7	1.4 2.1 17.6
63986	X = 1182505 Y = 1251123 Z = 219031	16 16 11	LAT. = 7 15 3.1 LONG. = 46 36 54.3 RAD. = 1735396.1	1.2 2.0 15.8
63988	X = 1187187 Y = 1251412 Z = 193260	17 21 16	LAT. = 6 23 33.6 LONG. = 46 30 31.1 RAD. = 1735740.6	1.8 2.2 20.6
23499	X = 1177109 Y = 1261434 Z = 181982	17 19 15	LAT. = 6 1 15.8 LONG. = 46 58 49.8 RAD. = 1734911.5	1.7 2.2 19.1
83248	X = 1179128 Y = 1262718 Z = 157210	20 18 13	LAT. = 5 11 57.7 LONG. = 46 57 38.2 RAD. = 1734795.5	1.5 2.2 19.8
83250	X = 1190669 Y = 1256100 Z = 127706	19 18 12	LAT. = 4 13 12.1 LONG. = 46 31 54.6 RAD. = 1735450.8	1.4 2.1 19.4
83222	X = 1185272 Y = 1267810 Z = 21600	17 17 11	LAT. = 0 42 46.9 LONG. = 46 55 37.4 RAD. = 1735707.0	1.3 2.1 16.2

TERRAIN POINTS ON MAP SHEET 61C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
63955	X = 1162835 Y = 1276610 Z = 170321	16 16 11	LAT. = 5 37 58.9 LONG. = 47 40 13.1 RAD. = 1735202.3	1.2 2.0 15.1
E283D	X = 1171748 Y = 1279440 Z = 48836	27 20 20	LAT. = 1 36 44.6 LONG. = 47 30 56.3 RAD. = 1735611.1	2.4 2.7 24.2
83209	X = 1171731 Y = 1279456 Z = 48805	18 19 12	LAT. = 1 36 40.9 LONG. = 47 30 59.1 RAD. = 1735610.2	1.4 2.1 19.3
63944	X = 1141778 Y = 1296537 Z = 160472	16 17 12	LAT. = 5 18 24.3 LONG. = 48 37 54.0 RAD. = 1735054.7	1.3 2.0 16.2
83205	X = 1139182 Y = 1303635 Z = 110663	19 18 12	LAT. = 3 39 26.8 LONG. = 48 51 5.0 RAD. = 1734775.5	1.5 2.1 19.4
83207	X = 1157223 Y = 1290295 Z = 76370	18 18 12	LAT. = 2 31 22.7 LONG. = 48 6 43.6 RAD. = 1734894.0	1.4 2.1 19.4
83132	X = 1145794 Y = 1303189 Z = 22920	18 20 12	LAT. = 0 45 24.2 LONG. = 48 40 38.3 RAD. = 1735416.5	1.5 2.1 20.2
83133	X = 1155199 Y = 1295402 Z = 1051	17 17 11	LAT. = 0 2 4.9 LONG. = 48 16 27.9 RAD. = 1735670.7	1.3 2.0 16.4
53855	X = 1122990 Y = 1302816 Z = 230809	16 16 10	LAT. = 7 38 34.4 LONG. = 49 14 22.6 RAD. = 1735427.6	1.2 1.9 16.1
Z3455	X = 1122256 Y = 1314776 Z = 147696	17 19 16	LAT. = 4 53 1.0 LONG. = 49 31 .7 RAD. = 1734909.3	1.8 2.1 19.2
83202	X = 1122331 Y = 1314708 Z = 147610	24 20 16	LAT. = 4 52 50.8 LONG. = 49 30 48.6 RAD. = 1734899.0	2.0 2.3 23.9
D3034	X = 1127764 Y = 1311345 Z = 134705	26 20 18	LAT. = 4 27 12.1 LONG. = 49 18 15.4 RAD. = 1734826.5	2.3 2.5 24.7

TERRAIN POINTS ON MAP SHEET 61C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
C1452	X = 1123348	18	LAT. = 0 22 6.6	1.4
	Y = 1323078	19	LONG. = 49 40 2.5	2.1
	Z = 11163	12	RAD. = 1735675.9	19.4
E280A	X = 1123424	26	LAT. = 0 21 53.9	2.2
	Y = 1323042	19	LONG. = 49 39 52.9	2.5
	Z = 11056	19	RAD. = 1735697.0	24.2
83065	X = 1121798	19	LAT. = 0 14 45.7	1.9
	Y = 1323895	25	LONG. = 49 43 25.8	2.3
	Z = 7452	16	RAD. = 1735276.6	24.6



MAP SHEET 61D

TERRAIN POINTS ON MAP SHEET 61D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
93349	X = 1488334 Y = 866933 Z = 219085	22 19 12	LAT. = 7 14 56.1 LONG. = 30 13 12.6 RAD. = 1736292.1	1.4 2.5 20.6
93309	X = 1476787 Y = 904768 Z = 121986	20 20 14	LAT. = 4 1 44.2 LONG. = 31 29 38.9 RAD. = 1736198.5	1.6 2.5 20.2
93311	X = 1483726 Y = 896312 Z = 94390	22 24 18	LAT. = 3 7 .5 LONG. = 31 8 9.5 RAD. = 1736009.2	2.1 2.7 23.6
93304	X = 1447599 Y = 938441 Z = 198479	19 18 11	LAT. = 6 33 46.7 LONG. = 32 57 15.5 RAD. = 1736550.6	1.3 2.3 17.2
93307	X = 1463682 Y = 920732 Z = 158932	21 19 13	LAT. = 5 15 4.9 LONG. = 32 10 19.3 RAD. = 1736482.5	1.4 2.4 20.0
E343E	X = 1429879 Y = 955779 Z = 239994	27 20 15	LAT. = 7 56 37.4 LONG. = 33 45 36.3 RAD. = 1736566.7	1.9 2.6 24.4
83699	X = 1429844 Y = 955863 Z = 239927	19 18 12	LAT. = 7 56 29.3 LONG. = 33 45 47.1 RAD. = 1736575.1	1.4 2.4 17.0
93303	X = 1441396 Y = 944742 Z = 213624	22 18 12	LAT. = 7 3 57.6 LONG. = 33 14 32.1 RAD. = 1736604.6	1.5 2.4 19.9
D359H	X = 1441324 Y = 944743 Z = 213604	22 23 19	LAT. = 7 3 56.0 LONG. = 33 14 36.9 RAD. = 1736542.6	2.0 2.6 24.1
93176	X = 1452312 Y = 948215 Z = 84026	21 22 16	LAT. = 2 46 24.7 LONG. = 33 8 25.9 RAD. = 1736485.4	1.9 2.5 22.2
93155	X = 1444300 Y = 962464 Z = 59310	22 23 18	LAT. = 1 57 25.8 LONG. = 33 40 44.4 RAD. = 1736622.9	2.0 2.6 23.2
93158	X = 1416058 Y = 991135 Z = 170275	19 18 12	LAT. = 5 37 34.3 LONG. = 34 59 20.9 RAD. = 1736824.8	1.3 2.3 17.4

TERRAIN POINTS ON MAP SHEET 61D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
93171	X = 1429952 Y = 973753 Z = 152970	22 20 12	LAT. = 5 3 10.8 LONG. = 34 15 13.1 RAD. = 1736766.5	1.5 2.4 21.8
93150	X = 1418739 Y = 993047 Z = 130015	21 20 12	LAT. = 4 17 36.8 LONG. = 34 59 24.4 RAD. = 1736625.0	1.5 2.4 21.3
93151	X = 1426705 Y = 984152 Z = 110011	21 21 13	LAT. = 3 37 54.6 LONG. = 34 35 53.6 RAD. = 1736705.1	1.5 2.4 21.4
93153	X = 1433684 Y = 976366 Z = 81562	21 21 14	LAT. = 2 41 31.7 LONG. = 34 15 20.2 RAD. = 1736488.3	1.7 2.4 21.4
83666	X = 1398457 Y = 1008821 Z = 206816	18 17 11	LAT. = 6 50 21.4 LONG. = 35 48 21.5 RAD. = 1736713.4	1.3 2.3 16.3
93146	X = 1399385 Y = 1012107 Z = 183571	19 18 11	LAT. = 6 4 2.4 LONG. = 35 52 35.0 RAD. = 1736760.6	1.3 2.3 17.1
93148	X = 1411570 Y = 1000656 Z = 150422	22 19 12	LAT. = 4 58 6.7 LONG. = 35 19 57.6 RAD. = 1736798.8	1.5 2.4 21.5
93120	X = 1411387 Y = 1009505 Z = 63812	21 22 15	LAT. = 2 6 21.7 LONG. = 35 34 28.3 RAD. = 1736428.9	1.7 2.4 22.2
83665	X = 1387980 Y = 1019002 Z = 226183	18 18 11	LAT. = 7 29 .5 LONG. = 36 17 4.9 RAD. = 1736666.7	1.3 2.3 17.0
93115	X = 1384754 Y = 1040340 Z = 125692	22 19 12	LAT. = 4 9 2.5 LONG. = 36 55 .6 RAD. = 1736562.5	1.5 2.3 21.7
'07	X = 1386839 Y = 1042620 Z = 63595	22 21 14	LAT. = 2 5 56.9 LONG. = 36 56 8.5 RAD. = 1736209.0	1.7 2.5 23.0
93111	X = 1403727 Y = 1021632 Z = 17382	21 23 18	LAT. = 0 34 25.0 LONG. = 36 2 49.6 RAD. = 1736226.9	2.1 2.6 23.2

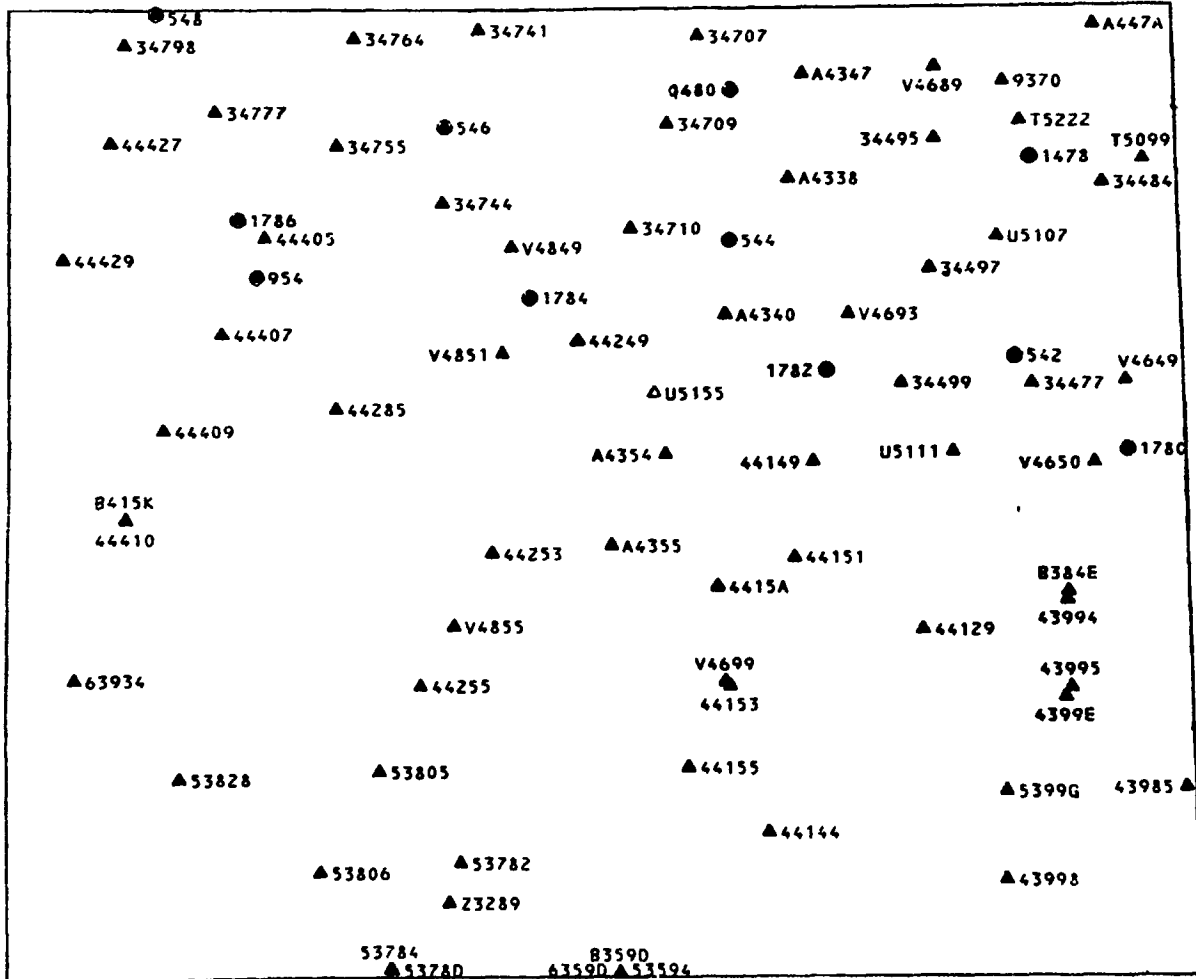
TERRAIN POINTS ON MAP SHEET 61D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
93114	X = 1371892	19	LAT. = 4 47 13.6	1.3
	Y = 1054744	17	LONG. = 37 33 14.2	2.3
	Z = 144921	11	RAD. = 1736540.4	17.2
93105	X = 1375502	21	LAT. = 3 11 36.6	1.5
	Y = 1055617	20	LONG. = 37 30 14.8	2.3
	Z = 96741	12	RAD. = 1736574.3	21.3
83609	X = 1348123	18	LAT. = 6 17 57.7	1.4
	Y = 1077907	17	LONG. = 38 38 40.2	2.2
	Z = 190540	12	RAD. = 1736555.7	16.9
83611	X = 1358700	18	LAT. = 5 19 55.6	1.3
	Y = 1069304	17	LONG. = 38 12 10.5	2.2
	Z = 161373	11	RAD. = 1736525.1	16.1
93101	X = 1353184	19	LAT. = 4 52 40.7	1.4
	Y = 1078538	18	LONG. = 38 33 22.2	2.3
	Z = 147679	12	RAD. = 1736710.1	17.8
93103	X = 1364253	19	LAT. = 3 58 48.0	1.4
	Y = 1067866	18	LONG. = 38 3 7.1	2.3
	Z = 120540	12	RAD. = 1736679.1	17.9
92982	X = 1356164	21	LAT. = 2 33 21.3	1.5
	Y = 1081432	20	LONG. = 38 34 10.4	2.3
	Z = 77429	12	RAD. = 1736281.0	22.2
92975	X = 1365605	21	LAT. = 0 30 50.7	1.8
	Y = 1071555	22	LONG. = 38 7 13.3	2.4
	Z = 15575	16	RAD. = 1735900.2	22.4
83607	X = 1330471	20	LAT. = 7 10 41.3	1.4
	Y = 1094822	18	LONG. = 39 27 1.4	2.3
	Z = 217000	12	RAD. = 1736628.2	19.3
D335E	X = 1331985	21	LAT. = 3 29 41.9	2.2
	Y = 1108807	25	LONG. = 39 46 32.1	2.7
	Z = 105848	19	RAD. = 1736329.5	24.1
92969	X = 1339636	22	LAT. = 3 21 56.2	1.5
	Y = 1100054	19	LONG. = 39 23 29.1	2.3
	Z = 101940	13	RAD. = 1736414.6	21.9
92949	X = 1329354	21	LAT. = 1 47 58.4	1.5
	Y = 1115452	20	LONG. = 39 59 59.2	2.3
	Z = 54522	12	RAD. = 1736199.3	21.5

TERRAIN POINTS ON MAP SHEET 61D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92951	X = 1339003 Y = 1104846 Z = 24172	21 20 13	LAT. = 0 47 51.8 LONG. = 39 31 37.0 RAD. = 1736144.6	1.6 2.3 21.5

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



MAP SHEET 62A

○ RANGE
△ OBSERVATION
◻ < 30M
◻ < 100M
◻ > 100M

TERRAIN POINTS ON MAP SHEET 62A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34798	X = 1050724 Y = 1296949 Z = 469480	16 17 13	LAT. = 15 42 34.3 LONG. = 50 59 14.3 RAD. = 1733929.1	1.4 2.1 17.4
44427	X = 1057631 Y = 1299671 Z = 446014	21 21 13	LAT. = 14 54 18.9 LONG. = 50 51 44.7 RAD. = 1733971.3	1.7 2.1 22.9
44429	X = 1071279 Y = 1297479 Z = 418039	16 16 11	LAT. = 13 57 9.6 LONG. = 50 27 17.3 RAD. = 1733737.8	1.2 2.0 16.2
8415K	X = 1070229 Y = 1320989 Z = 355484	32 25 18	LAT. = 11 48 36.1 LONG. = 50 59 11.6 RAD. = 1736885.3	1.8 2.6 36.3
44410	X = 1070039 Y = 1321074 Z = 355033	16 17 16	LAT. = 11 47 45.0 LONG. = 50 59 36.0 RAD. = 1736741.0	1.7 2.0 18.3
63934	X = 1084393 Y = 1318464 Z = 315886	18 17 11	LAT. = 10 29 .4 LONG. = 50 33 49.8 RAD. = 1736099.1	1.4 2.0 17.2
548	X = 1043444 Y = 1300169 Z = 476920	17 16 13	LAT. = 15 57 52.8 LONG. = 51 15 5.0 RAD. = 1733974.4	1.6 2.2 14.4
34777	X = 1036220 Y = 1314527 Z = 453518	16 18 12	LAT. = 5 9 36.1 LONG. = 51 45 6.8 RAD. = 1734189.1	1.4 2.0 18.0
1786	X = 1035891 Y = 1322979 Z = 427551	16 15 12	LAT. = 14 16 33.9 LONG. = 51 56 20.8 RAD. = 1733823.3	1.4 2.1 14.3
44407	X = 1043270 Y = 1325786 Z = 399757	15 15 10	LAT. = 13 19 50.7 LONG. = 51 48 2.0 RAD. = 1733760.9	1.2 1.9 15.1
44409	X = 1059984 Y = 1323295 Z = 376944	15 15 11	LAT. = 12 32 3.3 LONG. = 51 18 16.6 RAD. = 1736882.7	1.2 1.9 15.0
53828	X = 1066469 Y = 1337835 Z = 290910	16 15 10	LAT. = 9 38 59.7 LONG. = 51 26 22.3 RAD. = 1735450.4	1.2 1.9 15.0

TERRAIN POINTS ON MAP SHEET 62A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34764	X = 1005257	15	LAT. = 15 45 41.6	1.3
	Y = 1331648	16	LONG. = 52 57 3.5	1.9
	Z = 470924	11	RAD. = 1733665.8	15.2
34755	X = 1013205	15	LAT. = 14 52 36.6	1.2
	Y = 1334540	16	LONG. = 52 47 37.1	1.9
	Z = 445113	11	RAD. = 1733697.4	15.2
44405	X = 1031180	16	LAT. = 14 7 16.1	1.2
	Y = 1328053	16	LONG. = 52 10 19.6	1.9
	Z = 422994	10	RAD. = 1733776.7	15.5
954	X = 1034165	17	LAT. = 13 48 2.9	1.6
	Y = 1328683	16	LONG. = 52 6 18.1	2.2
	Z = 413585	13	RAD. = 1733767.1	14.2
44285	X = 1023098	15	LAT. = 12 42 11.3	1.3
	Y = 1346721	16	LONG. = 52 46 34.5	1.9
	Z = 381241	11	RAD. = 1733704.6	15.9
53806	X = 1041102	15	LAT. = 8 51 49.0	1.2
	Y = 1362744	16	LONG. = 52 37 15.9	1.9
	Z = 267434	10	RAD. = 1735651.6	15.1
546	X = 990662	16	LAT. = 15 1 50.7	1.6
	Y = 1349842	15	LONG. = 53 43 28.9	2.2
	Z = 449607	13	RAD. = 1733675.8	14.2
34744	X = 994084	15	LAT. = 14 23 50.8	1.3
	Y = 1353380	17	LONG. = 53 42 7.2	1.9
	Z = 431075	12	RAD. = 1733685.7	16.6
V4855	X = 1006273	16	LAT. = 10 53 48.9	1.9
	Y = 1373434	19	LONG. = 53 46 15.2	2.1
	Z = 327777	18	RAD. = 1733881.1	20.1
44255	X = 1015670	15	LAT. = 10 24 20.1	1.2
	Y = 1371745	15	LONG. = 53 28 58.6	1.9
	Z = 313433	11	RAD. = 1735370.0	14.9
53805	X = 1026599	18	LAT. = 9 41 44.1	1.4
	Y = 1368402	18	LONG. = 53 7 19.7	2.0
	Z = 292277	12	RAD. = 1735470.3	18.9
53782	X = 1013485	16	LAT. = 8 56 14.3	1.3
	Y = 1385067	16	LONG. = 53 48 22.3	1.9
	Z = 269905	10	RAD. = 1737357.8	15.5

TERRAIN POINTS ON MAP SHEET 62A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
23289	X = 1016005	19	LAT. = 8 36 37.8	1.7
	Y = 1383592	18	LONG. = 53 42 33.4	2.0
	Z = 259927	13	RAD. = 1736131.8	18.9
53784	X = 1028856	15	LAT. = 8 3 54.6	1.2
	Y = 1375839	16	LONG. = 53 12 38.8	1.9
	Z = 243440	10	RAD. = 1735148.1	15.6
5378D	X = 1028511	18	LAT. = 8 3 23.1	1.6
	Y = 1376213	18	LONG. = 53 13 38.8	2.0
	Z = 243186	12	RAD. = 1735205.3	19.0
34741	X = 979851	14	LAT. = 15 49 38.2	1.2
	Y = 1349768	15	LONG. = 54 1 21.3	1.9
	Z = 472834	11	RAD. = 1733653.4	14.5
V4849	X = 981738	17	LAT. = 14 1 42.9	1.4
	Y = 1365926	19	LONG. = 54 17 38.0	2.0
	Z = 420294	12	RAD. = 1733842.2	19.7
1784	X = 979706	16	LAT. = 13 36 54.1	1.4
	Y = 1370829	15	LONG. = 54 26 50.3	2.0
	Z = 408096	12	RAD. = 1733649.2	13.9
44249	X = 971356	16	LAT. = 13 15 16.6	1.3
	Y = 1379751	16	LONG. = 54 51 14.9	1.9
	Z = 397468	11	RAD. = 1733559.1	15.7
V4851	X = 987531	17	LAT. = 13 9 5.9	1.4
	Y = 1369490	19	LONG. = 54 12 17.5	2.0
	Z = 394510	13	RAD. = 1733885.7	19.7
44253	X = 996176	16	LAT. = 11 29 53.3	1.4
	Y = 1376425	17	LONG. = 54 6 18.6	2.0
	Z = 345627	12	RAD. = 1733888.9	16.4
34707	X = 934918	14	LAT. = 15 46 4.5	1.3
	Y = 1381869	16	LONG. = 55 55 9.4	1.9
	Z = 471107	11	RAD. = 1733659.9	15.5
34709	X = 944873	14	LAT. = 15 2 37.4	1.7
	Y = 1382141	15	LONG. = 55 38 32.3	1.8
	Z = 449982	10	RAD. = 1733661.7	14.6
34710	X = 956424	15	LAT. = 14 10 44.0	1.3
	Y = 1382161	16	LONG. = 55 19 3.6	1.9
	Z = 424651	11	RAD. = 1733621.4	15.5

TERRAIN POINTS ON MAP SHEET 62A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
U5155	X = 957308 Y = 1393213 Z = 384566	16 32 27	LAT. = 12 48 59.7 LONG. = 55 30 22.2 RAD. = 1733600.7	2.6 2.8 32.1
A4354	X = 957263 Y = 1397386 Z = 369693	15 16 11	LAT. = 12 18 44.1 LONG. = 55 35 14.5 RAD. = 1733699.4	1.2 1.8 15.8
A4355	X = 971370 Y = 1393602 Z = 347400	15 16 11	LAT. = 11 33 28.5 LONG. = 55 7 21.7 RAD. = 1733889.2	1.3 1.8 15.8
44155	X = 963273 Y = 1414358 Z = 293196	15 16 11	LAT. = 9 43 20.9 LONG. = 55 44 33.0 RAD. = 1736164.7	1.3 1.9 15.3
B359D	X = 982345 Y = 1410458 Z = 242610	17 21 17	LAT. = 8 2 2.8 LONG. = 55 8 37.8 RAD. = 1735872.1	1.8 2.1 22.0
6359D	X = 982292 Y = 1410493 Z = 242603	23 20 16	LAT. = 8 2 2.0 LONG. = 55 8 45.5 RAD. = 1735869.5	2.0 2.3 22.9
53594	X = 982321 Y = 1410456 Z = 242571	18 17 12	LAT. = 8 1 58.5 LONG. = 55 8 40.2 RAD. = 1735851.7	1.5 2.0 17.9
A4347	X = 914572 Y = 1398625 Z = 461833	14 15 10	LAT. = 15 26 55.9 LONG. = 56 49 8.5 RAD. = 1733747.9	1.2 1.8 14.5
1480	X = 930207 Y = 1389394 Z = 458195	16 16 13	LAT. = 15 19 29.3 LONG. = 56 11 50.9 RAD. = 1733678.6	1.6 2.1 15.0
A4338	X = 921644 Y = 1402148 Z = 436697	15 16 11	LAT. = 14 35 17.3 LONG. = 56 40 57.9 RAD. = 1733825.5	1.2 1.8 15.7
544	X = 936313 Y = 1396827 Z = 421706	16 15 13	LAT. = 14 4 40.9 LONG. = 56 9 55.7 RAD. = 1733679.4	1.6 2.1 14.1
A4340	X = 939827 Y = 1399749 Z = 403615	14 16 11	LAT. = 13 27 46.3 LONG. = 56 7 17.7 RAD. = 1733630.9	1.2 1.8 15.2

TERRAIN POINTS ON MAP SHEET 62A (CONTINUED)

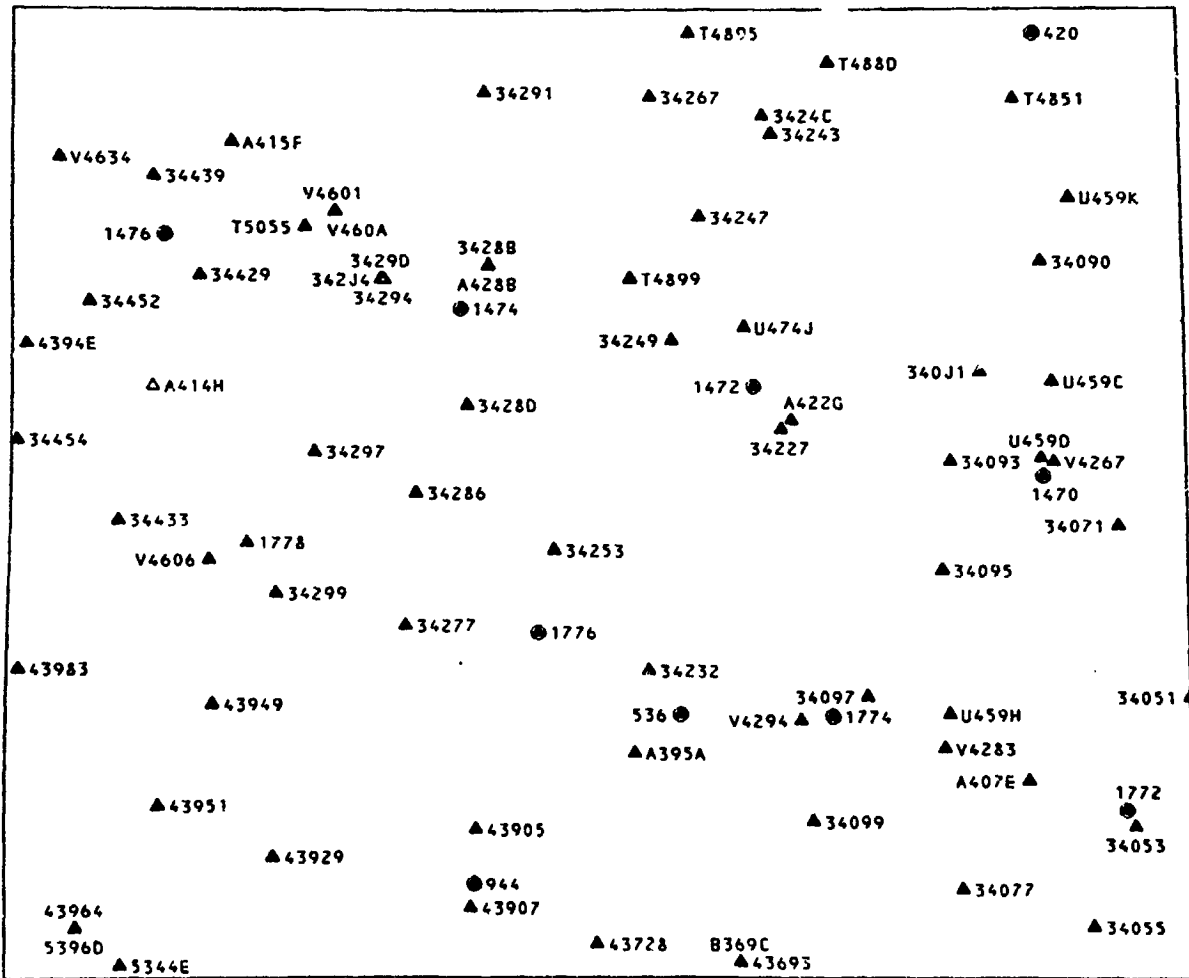
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1782	X = 920449 Y = 1416407 Z = 389992	15 15 12	LAT. = 13 0 .7 LONG. = 56 58 56.2 RAD. = 1733646.1	1.4 2.0 13.9
44149	X = 926443 Y = 1418439 Z = 367598	14 15 11	LAT. = 12 14 31.4 LONG. = 56 50 59.0 RAD. = 1733607.0	1.2 1.8 14.9
44151	X = 933376 Y = 1419919 Z = 344301	15 16 11	LAT. = 11 27 15.6 LONG. = 56 40 52.7 RAD. = 1733754.4	1.2 1.8 15.5
4415A	X = 950464 Y = 1410259 Z = 337185	16 20 16	LAT. = 11 12 52.2 LONG. = 56 1 17.2 RAD. = 1733755.1	1.6 2.0 20.2
V4699	X = 951677 Y = 1414726 Z = 313794	16 19 18	LAT. = 10 25 40.8 LONG. = 56 4 17.6 RAD. = 1733668.3	1.9 2.0 20.3
44153	X = 950810 Y = 1415518 Z = 312745	17 19 12	LAT. = 10 23 34.3 LONG. = 56 6 38.1 RAD. = 1733649.4	1.6 1.9 19.4
44144	X = 947912 Y = 1427433 Z = 277061	15 18 11	LAT. = 9 11 5.3 LONG. = 56 24 47.3 RAD. = 1735760.7	1.3 1.9 17.3
V4689	X = 886362 Y = 1416370 Z = 463365	14 15 11	LAT. = 15 29 59.7 LONG. = 57 57 42.3 RAD. = 1733911.3	1.3 1.8 14.9
34495	X = 889361 Y = 1420145 Z = 446080	14 16 11	LAT. = 14 54 26.0 LONG. = 57 56 35.8 RAD. = 1734001.8	1.3 1.8 15.5
34497	X = 895051 Y = 1425914 Z = 414645	14 15 11	LAT. = 13 50 10.0 LONG. = 57 53 .1 RAD. = 1733861.9	1.2 1.8 15.2
V4693	X = 913941 Y = 1416830 Z = 403587	15 17 11	LAT. = 13 27 42.0 LONG. = 57 10 31.9 RAD. = 1733660.3	1.3 1.8 17.1
34499	X = 905099 Y = 1427166 Z = 386737	14 15 11	LAT. = 12 53 23.0 LONG. = 57 37 2.7 RAD. = 1733658.1	1.2 1.8 15.0

TERRAIN POINTS ON MAP SHEET 62A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
44129	X = 908490 Y = 1440288 Z = 326454	14 16 11	LAT. = 10 51 8.5 LONG. = 57 45 27.0 RAD. = 1733884.5	1.2 1.8 15.7
9370	X = 872407 Y = 1426053 Z = 459798	18 21 14	LAT. = 15 22 42.4 LONG. = 58 32 35.6 RAD. = 1733821.0	1.6 2.1 22.5
T5222	X = 870432 Y = 1430232 Z = 450221	15 16 12	LAT. = 15 3 3.7 LONG. = 58 40 31.9 RAD. = 1733757.3	1.4 1.8 16.5
1478	X = 869526 Y = 1433454 Z = 441403	15 15 12	LAT. = 14 45 .1 LONG. = 58 45 33.1 RAD. = 1733696.2	1.4 1.9 13.7
U5107	X = 879656 Y = 1433010 Z = 422328	16 19 13	LAT. = 14 5 57.0 LONG. = 58 27 22.5 RAD. = 1733687.9	1.5 1.9 19.7
542	X = 880140 Y = 1441017 Z = 393182	16 16 15	LAT. = 13 6 28.5 LONG. = 58 35 3.7 RAD. = 1733715.1	1.7 2.2 14.0
34477	X = 877461 Y = 1444490 Z = 386412	14 16 10	LAT. = 12 52 41.6 LONG. = 58 43 23.7 RAD. = 1733725.1	1.2 1.7 15.5
U5111	X = 896418 Y = 1436960 Z = 369913	15 19 17	LAT. = 12 19 14.3 LONG. = 58 2 34.3 RAD. = 1733567.1	1.8 2.0 19.9
B384E	X = 876400 Y = 1457713 Z = 335646	21 22 15	LAT. = 11 9 47.2 LONG. = 58 59 6.2 RAD. = 1733685.0	2.1 2.1 23.0
43994	X = 876866 Y = 1457961 Z = 333525	14 17 12	LAT. = 11 5 29.2 LONG. = 58 58 33.3 RAD. = 1733719.7	1.3 1.8 17.1
43995	X = 879653 Y = 1463035 Z = 312432	17 21 14	LAT. = 10 22 16.8 LONG. = 58 59 .7 RAD. = 1735475.2	1.5 2.0 22.1
4399E	X = 880821 Y = 1462106 Z = 309944	15 19 16	LAT. = 10 17 29.9 LONG. = 58 56 1.8 RAD. = 1734838.9	1.7 1.9 19.5

TERRAIN POINTS ON MAP SHEET 62A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
5399G	X = 897070	22	LAT. = 9 30 57.6	2.4
	Y = 1459457	22	LONG. = 58 25 21.4	2.3
	Z = 287168	18	RAD. = 1737013.1	23.1
43998	X = 899614	16	LAT. = 8 47 11.4	1.9
	Y = 1462776	21	LONG. = 58 24 29.8	2.1
	Z = 265433	18	RAD. = 1737663.6	21.6
A447A	X = 851006	20	LAT. = 15 50 32.9	2.2
	Y = 1434517	21	LONG. = 59 19 19.5	2.1
	Z = 473318	15	RAD. = 1733805.1	21.7
T5099	X = 845656	14	LAT. = 14 43 44.4	1.4
	Y = 1447814	16	LONG. = 59 42 40.2	1.8
	Z = 440779	13	RAD. = 1733662.6	16.6
34484	X = 855245	14	LAT. = 14 32 29.3	1.2
	Y = 1443821	15	LONG. = 59 21 34.9	1.7
	Z = 435286	10	RAD. = 1733648.5	14.6
V4649	X = 857443	14	LAT. = 12 54 22.6	1.3
	Y = 1456134	17	LONG. = 59 30 30.1	1.8
	Z = 387218	11	RAD. = 1733629.7	16.9
1780	X = 859359	15	LAT. = 12 20 1.2	1.4
	Y = 1459296	15	LONG. = 59 30 24.3	1.9
	Z = 370292	12	RAD. = 1733539.1	13.9
V4650	X = 866843	14	LAT. = 12 13 35.1	1.3
	Y = 1455662	17	LONG. = 59 13 34.7	1.8
	Z = 367120	12	RAD. = 1733535.7	16.9
43985	X = 857845	14	LAT. = 9 32 48.5	1.8
	Y = 1481171	19	LONG. = 59 55 19.2	1.8
	Z = 287871	17	RAD. = 1735694.3	19.5



○ RANGE
 OBSERVATION ▲ < 30M
 △ < 100M
 ▽ > 100M

MAP SHEET 62B

TERRAIN POINTS ON MAP SHEET 62B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V4634	X = 827949 Y = 1457548 Z = 442197	14 15 11	LAT. = 14 46 39.7 LONG. = 60 24 5.7 RAD. = 1733633.6	1.4 1.8 14.9
34452	X = 825698 Y = 1468847 Z = 407596	13 15 10	LAT. = 13 35 53.8 LONG. = 60 39 28.5 RAD. = 1733616.1	1.2 1.7 15.2
4394E	X = 840693 Y = 1463101 Z = 397442	21 21 15	LAT. = 13 15 12.1 LONG. = 60 7 6.5 RAD. = 1733605.7	2.1 2.1 22.4
34454	X = 845125 Y = 1466640 Z = 373941	14 15 11	LAT. = 12 27 26.2 LONG. = 60 2 53.0 RAD. = 1733522.3	1.2 1.7 15.2
34433	X = 825083 Y = 1483141 Z = 354198	13 15 10	LAT. = 11 47 17.6 LONG. = 60 54 44.9 RAD. = 1733760.1	1.2 1.7 14.5
43983	X = 849687 Y = 1477429 Z = 317919	14 16 10	LAT. = 10 33 58.5 LONG. = 60 5 46.6 RAD. = 1733734.9	1.2 1.7 15.4
43964	X = 843902 Y = 1497272 Z = 254260	14 17 11	LAT. = 8 24 54.2 LONG. = 60 35 35.6 RAD. = 1737424.5	1.3 1.8 16.4
5396D	X = 843906 Y = 1497282 Z = 254234	23 39 30	LAT. = 8 24 51.0 LONG. = 60 35 35.9 RAD. = 1737430.8	4.2 2.2 37.7
5344E	X = 835045 Y = 1504338 Z = 244963	21 21 16	LAT. = 8 6 10.7 LONG. = 60 57 56.7 RAD. = 1737912.7	2.1 2.1 22.7
A415F	X = 789937 Y = 1477435 Z = 445963	20 22 16	LAT. = 14 54 21.4 LONG. = 61 52 4.9 RAD. = 1733695.0	2.3 2.1 22.3
34439	X = 808075 Y = 1469959 Z = 437839	13 15 10	LAT. = 14 37 43.8 LONG. = 61 12 4.5 RAD. = 1733628.5	1.2 1.7 14.4
1476	X = 807242 Y = 1474452 Z = 423851	15 14 12	LAT. = 14 9 7.1 LONG. = 61 17 59.7 RAD. = 1733579.8	1.4 1.9 13.7

TERRAIN POINTS ON MAP SHEET 62B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34429	X = 800779 Y = 1480778 Z = 413991	19 21 14	LAT. = 13 48 57.7 LONG. = 61 35 46.5 RAD. = 1733591.4	1.9 2.0 22.3
A414H	X = 814112 Y = 1480765 Z = 387045	32 28 15	LAT. = 12 54 3.3 LONG. = 61 11 54.1 RAD. = 1733564.5	1.8 2.6 36.9
V4606	X = 805913 Y = 1495927 Z = 344455	14 17 12	LAT. = 11 27 34.1 LONG. = 61 41 13.0 RAD. = 1733765.9	1.3 1.7 16.8
43949	X = 808818 Y = 1504084 Z = 309219	15 16 11	LAT. = 10 15 47.4 LONG. = 61 43 51.4 RAD. = 1735531.8	1.3 1.7 15.8
43951	X = 823488 Y = 1502684 Z = 284428	13 14 10	LAT. = 9 25 28.4 LONG. = 61 16 36.3 RAD. = 1736978.1	1.1 1.6 14.0
V4601	X = 769171 Y = 1493210 Z = 429316	17 20 14	LAT. = 14 20 15.2 LONG. = 62 44 47.2 RAD. = 1733670.1	2.0 1.9 19.9
V460A	X = 769094 Y = 1493172 Z = 429245	22 23 31	LAT. = 14 20 9.1 LONG. = 62 44 53.5 RAD. = 1733585.8	3.0 2.2 31.9
T5055	X = 776124 Y = 1490649 Z = 425544	15 19 10	LAT. = 14 12 33.2 LONG. = 62 29 44.7 RAD. = 1733635.0	2.0 1.9 20.4
34297	X = 779970 Y = 1503595 Z = 370862	13 15 10	LAT. = 12 20 59.1 LONG. = 62 34 57.2 RAD. = 1733980.6	1.2 1.6 14.6
1778	X = 797040 Y = 1499687 Z = 348601	15 19 12	LAT. = 11 35 58.1 LONG. = 62 0 56.4 RAD. = 1733740.4	1.4 1.8 19.7
34299	X = 791673 Y = 1505408 Z = 336158	13 15 10	LAT. = 11 10 47.0 LONG. = 62 15 38.7 RAD. = 1733783.2	1.2 1.6 14.8
43929	X = 799005 Y = 1518215 Z = 271571	13 15 11	LAT. = 8 59 41.4 LONG. = 62 14 35.2 RAD. = 1736990.7	1.2 1.6 15.0

TERRAIN POINTS ON MAP SHEET 62B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
3429D	X = 760628 Y = 1502215 Z = 412930	16 29 31	LAT. = 13 46 44.6 LONG. = 63 8 42.6 RAD. = 1733699.8	3.1 2.4 32.1
342J4	X = 759926 Y = 1502649 Z = 412807	22 27 15	LAT. = 13 46 28.4 LONG. = 63 10 23.4 RAD. = 1733738.5	1.6 2.0 32.0
34294	X = 759889 Y = 1502540 Z = 412779	31 34 19	LAT. = 13 46 28.3 LONG. = 63 10 21.4 RAD. = 1733622.2	3.0 2.4 37.3
1474	X = 743642 Y = 1513041 Z = 405725	14 14 12	LAT. = 13 31 52.7 LONG. = 63 49 35.1 RAD. = 1734043.9	1.4 1.8 13.6
3428D	X = 744419 Y = 1518716 Z = 382077	15 19 13	LAT. = 12 43 46.2 LONG. = 63 53 15.4 RAD. = 1733966.4	1.5 1.8 19.8
34286	X = 758020 Y = 1517075 Z = 360664	13 15 10	LAT. = 12 0 21.8 LONG. = 63 27 2.1 RAD. = 1733836.8	1.2 1.6 14.5
34277	X = 764012 Y = 1523186 Z = 328466	13 15 11	LAT. = 10 54 36.9 LONG. = 63 21 43.9 RAD. = 1735425.0	1.3 1.6 15.4
43905	X = 752851 Y = 1540808 Z = 278366	20 20 16	LAT. = 9 13 11.9 LONG. = 63 57 34.2 RAD. = 1737343.1	2.1 2.0 21.7
944	X = 753780 Y = 1541729 Z = 264777	15 15 13	LAT. = 8 46 15.0 LONG. = 63 56 42.5 RAD. = 1736438.9	1.5 1.9 14.3
43907	X = 755097 Y = 1541966 Z = 258901	13 14 10	LAT. = 8 34 30.8 LONG. = 63 54 32.8 RAD. = 1736335.7	1.2 1.6 14.4
34291	X = 732293 Y = 1503307 Z = 458006	13 16 11	LAT. = 15 19 3.0 LONG. = 64 1 41.8 RAD. = 1733768.6	1.3 1.7 15.5
3428B	X = 736162 Y = 1513863 Z = 416235	14 17 11	LAT. = 13 53 18.9 LONG. = 64 4 2.0 RAD. = 1734060.8	1.4 1.7 16.7

TERRAIN POINTS ON MAP SHEET 62B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A428B	X = 736133	21	LAT. = 13 52 59.4	2.4
	Y = 1513928	22	LONG. = 64 4 8.8	2.2
	Z = 416077	17	RAD. = 1734067.1	22.2
34253	X = 729330	15	LAT. = 11 31 38.1	1.2
	Y = 1538131	16	LONG. = 64 37 52.5	1.6
	Z = 347177	11	RAD. = 1737325.4	15.8
1776	X = 734290	14	LAT. = 10 50 58.0	1.4
	Y = 1539227	14	LONG. = 64 29 47.3	1.8
	Z = 326849	11	RAD. = 1736442.7	13.4
43728	X = 726766	14	LAT. = 8 16 34.9	1.3
	Y = 1557292	16	LONG. = 64 58 56.0	1.6
	Z = 249983	11	RAD. = 1736617.5	16.5
T4895	X = 683952	14	LAT. = 15 48 16.1	1.4
	Y = 1521900	16	LONG. = 65 48 1.9	1.7
	Z = 472285	11	RAD. = 1734076.9	16.1
34267	X = 694762	14	LAT. = 15 16 32.8	1.4
	Y = 1521749	16	LONG. = 65 27 38.5	1.7
	Z = 456879	12	RAD. = 1734114.2	16.3
34247	X = 687349	13	LAT. = 14 16 52.4	1.4
	Y = 1535268	17	LONG. = 65 52 53.9	1.7
	Z = 428178	12	RAD. = 1735751.4	16.2
T4899	X = 705593	13	LAT. = 13 46 22.5	1.3
	Y = 1533316	16	LONG. = 65 17 21.5	1.7
	Z = 413736	12	RAD. = 1737842.8	16.0
34249	X = 697201	14	LAT. = 13 15 49.3	1.4
	Y = 1539844	16	LONG. = 65 38 24.8	1.6
	Z = 398446	11	RAD. = 1736654.1	16.0
34232	X = 709606	13	LAT. = 10 31 49.7	1.2
	Y = 1552478	15	LONG. = 65 26 9.0	1.6
	Z = 317307	10	RAD. = 1736206.8	14.8
536	X = 703410	16	LAT. = 10 10 10.0	1.7
	Y = 1557765	15	LONG. = 65 41 54.3	2.0
	Z = 306596	14	RAD. = 1736496.3	14.1
A395A	X = 714380	16	LAT. = 9 50 55.8	1.5
	Y = 1553921	22	LONG. = 65 18 37.7	1.9
	Z = 296915	13	RAD. = 1735847.4	22.2

TERRAIN POINTS ON MAP SHEET 62B (CONTINUED)

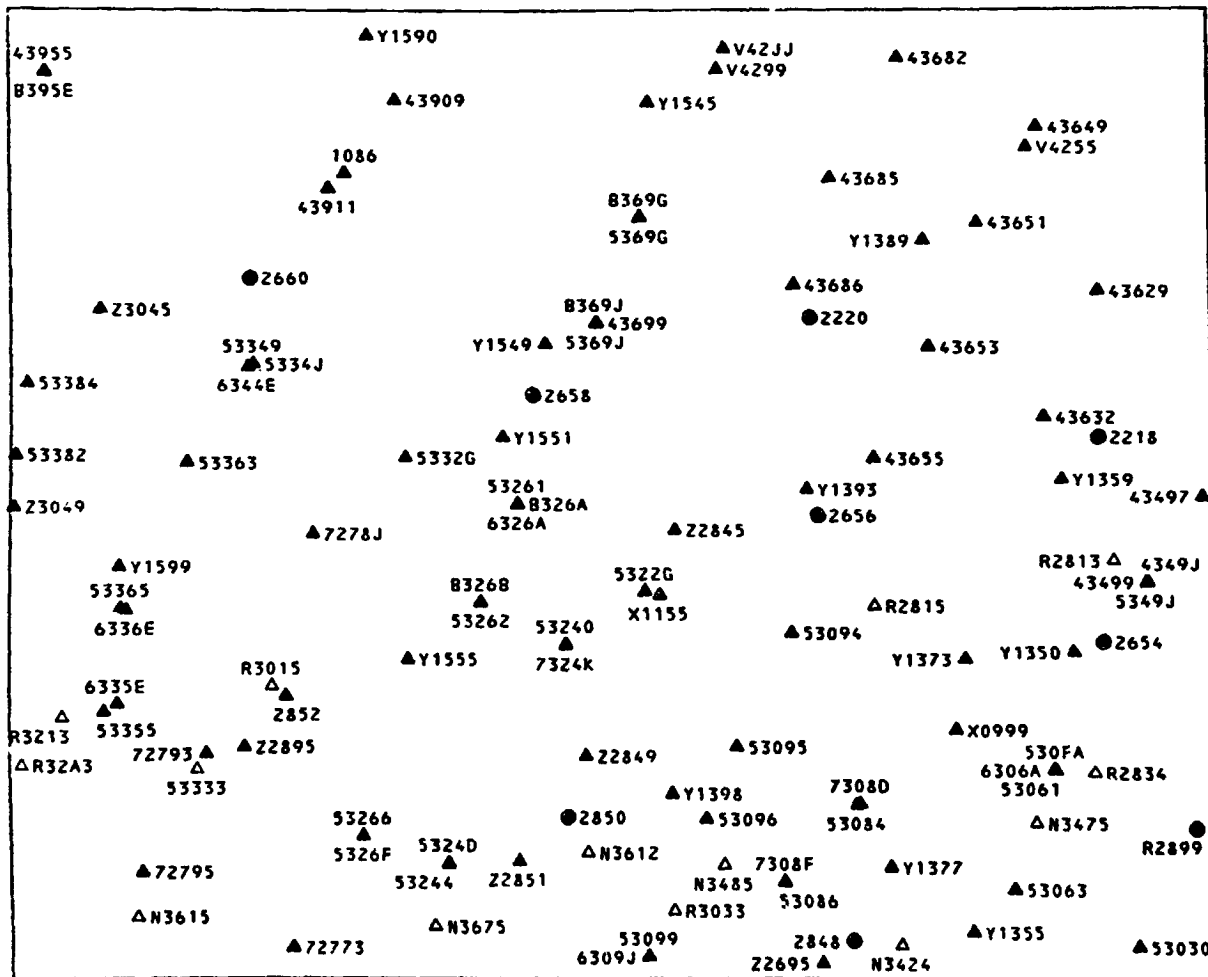
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
3424C	X = 669323	16	LAT. = 15 7 16.2	1.8
	Y = 1534302	21	LONG. = 66 25 52.6	1.8
	Z = 452327	13	RAD. = 1733976.8	19.9
34243	X = 667753	14	LAT. = 14 58 4.4	1.5
	Y = 1536216	17	LONG. = 66 30 24.0	1.8
	Z = 447827	12	RAD. = 1733897.9	17.0
U474J	X = 680053	15	LAT. = 13 22 1.2	1.4
	Y = 1546103	19	LONG. = 66 15 27.8	1.7
	Z = 401362	12	RAD. = 1736087.2	19.5
1472	X = 678719	14	LAT. = 12 52 47.3	1.4
	Y = 1548740	14	LONG. = 66 20 6.2	1.7
	Z = 386648	12	RAD. = 1734575.3	13.4
A422G	X = 670533	19	LAT. = 12 35 47.7	2.2
	Y = 1553728	22	LONG. = 66 39 24.2	2.0
	Z = 378155	15	RAD. = 1733980.2	22.6
34227	X = 673077	13	LAT. = 12 31 15.9	1.2
	Y = 1553171	15	LONG. = 66 34 12.7	1.6
	Z = 375925	10	RAD. = 1733981.8	15.2
1774	X = 668217	14	LAT. = 10 9 5.1	1.3
	Y = 1573467	14	LONG. = 66 59 24.5	1.7
	Z = 306087	11	RAD. = 1736663.8	13.4
V4294	X = 675204	15	LAT. = 10 7 4.5	1.5
	Y = 1569335	19	LONG. = 66 43 12.9	1.9
	Z = 304868	13	RAD. = 1735412.6	19.4
34099	X = 674860	12	LAT. = 9 16 59.1	1.2
	Y = 1575825	15	LONG. = 66 48 59.7	1.6
	Z = 280199	10	RAD. = 1737000.3	14.6
B369C	X = 694188	20	LAT. = 8 7 40.5	2.2
	Y = 1573030	22	LONG. = 66 11 16.2	2.0
	Z = 245561	16	RAD. = 1736841.8	22.7
43693	X = 694115	13	LAT. = 8 7 40.3	1.3
	Y = 1573008	17	LONG. = 66 11 23.1	1.6
	Z = 245552	11	RAD. = 1736792.4	16.3
T488D	X = 652572	17	LAT. = 15 33 21.6	2.0
	Y = 1537742	21	LONG. = 67 0 18.2	1.8
	Z = 465023	14	RAD. = 1733997.6	20.0

TERRAIN POINTS ON MAP SHEET 62B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34095	X = 639454	15	LAT. = 11 21 33.9	1.5
	Y = 1577039	21	LONG. = 67 55 42.8	1.8
	Z = 341879	14	RAD. = 1735752.4	21.7
34097	X = 659674	12	LAT. = 10 18 51.2	1.3
	Y = 1576351	15	LONG. = 67 17 29.7	1.6
	Z = 310983	11	RAD. = 1736883.1	15.0
U459H	X = 641452	14	LAT. = 10 10 3.9	1.7
	Y = 1585690	19	LONG. = 67 58 31.5	1.7
	Z = 306777	16	RAD. = 1737810.5	19.6
V4283	X = 642734	13	LAT. = 9 53 15.1	1.3
	Y = 1585457	17	LONG. = 67 55 57.7	1.6
	Z = 298196	12	RAD. = 1736577.2	16.7
420	X = 604201	14	LAT. = 15 47 54.6	1.5
	Y = 1555405	15	LONG. = 68 46 16.4	1.8
	Z = 472129	13	RAD. = 1734141.8	14.4
T4851	X = 610670	13	LAT. = 15 15 24.7	1.4
	Y = 1557567	16	LONG. = 68 35 29.5	1.6
	Z = 456327	11	RAD. = 1734118.2	16.0
34090	X = 608691	12	LAT. = 13 54 47.8	1.3
	Y = 1569110	15	LONG. = 68 47 51.6	1.5
	Z = 416923	10	RAD. = 1733907.5	14.6
340J1	X = 625664	14	LAT. = 13 0 3.5	2.0
	Y = 1570233	19	LONG. = 68 16 30.2	1.8
	Z = 390265	19	RAD. = 1734760.3	20.1
U459C	X = 609106	15	LAT. = 12 55 22.1	1.5
	Y = 1577020	20	LONG. = 68 52 53.4	1.7
	Z = 387899	12	RAD. = 1734493.8	20.0
U459D	X = 613366	14	LAT. = 12 17 14.8	1.4
	Y = 1579860	20	LONG. = 68 46 54.3	1.7
	Z = 369126	12	RAD. = 1734482.3	20.0
34093	X = 635651	13	LAT. = 12 15 37.5	1.3
	Y = 1574045	16	LONG. = 68 0 34.3	1.5
	Z = 368897	10	RAD. = 1737168.5	15.6
V4267	X = 610574	13	LAT. = 12 15 35.1	1.3
	Y = 1581165	17	LONG. = 68 53 8.6	1.6
	Z = 368314	11	RAD. = 1734513.9	16.6

TERRAIN POINTS ON MAP SHEET 62B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1470	X = 613195	14	LAT. = 12 8 33.2	1.4
	Y = 1580926	14	LONG. = 68 48 .7	1.7
	Z = 364840	12	RAD. = 1734486.7	13.6
A407E	X = 623952	17	LAT. = 9 37 12.8	1.5
	Y = 1595267	20	LONG. = 68 38 17.5	1.8
	Z = 290345	13	RAD. = 1737381.0	21.4
34077	X = 641287	12	LAT. = 8 43 44.0	1.1
	Y = 1592523	15	LONG. = 68 3 57.7	1.5
	Z = 263592	10	RAD. = 1736911.4	15.2
U459K	X = 600440	15	LAT. = 14 26 27.0	1.8
	Y = 1568181	21	LONG. = 69 2 55.2	1.7
	Z = 432422	13	RAD. = 1733986.6	20.2
34071	X = 597033	15	LAT. = 11 43 50.9	1.6
	Y = 1589852	18	LONG. = 69 25 2.8	1.7
	Z = 352645	12	RAD. = 1734484.6	18.6
34051	X = 584412	12	LAT. = 10 18 53.2	1.2
	Y = 1605453	16	LONG. = 69 59 51.5	1.5
	Z = 310945	10	RAD. = 1736578.1	16.2
1772	X = 601684	13	LAT. = 9 23 11.2	1.3
	Y = 1604716	13	LONG. = 69 26 47.8	1.6
	Z = 283303	11	RAD. = 1737066.1	13.1
34053	X = 600048	13	LAT. = 9 15 5.0	1.3
	Y = 1606586	15	LONG. = 69 31 11.0	1.5
	Z = 279346	10	RAD. = 1737587.5	14.6
34055	X = 611366	12	LAT. = 8 25 25.8	1.2
	Y = 1605646	16	LONG. = 69 9 18.5	1.5
	Z = 254438	11	RAD. = 1736837.7	15.5



○ RANGE
OBSERVATION ▲ ● < 30M
 △ ● < 100M
 ▽ ● > 100M

MAP SHEET 62C

D

TERRAIN POINTS ON MAP SHEET 62C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
43955	X = 853079 Y = 1495516 Z = 226329	15 22 19	LAT. = 7 29 20.1 LONG. = 60 17 54.6 RAD. = 1736530.7	2.0 2.1 21.6
8395E	X = 853046 Y = 1495541 Z = 226315	18 22 15	LAT. = 7 29 18.3 LONG. = 60 17 59.5 RAD. = 1736533.0	1.7 2.1 22.0
23045	X = 845179 Y = 1508671 Z = 167807	17 17 13	LAT. = 5 32 33.2 LONG. = 60 44 30.6 RAD. = 1737404.3	1.6 1.8 18.0
53384	X = 862093 Y = 1501289 Z = 149512	14 15 10	LAT. = 4 56 9.5 LONG. = 60 8 2.5 RAD. = 1737650.0	1.2 1.7 15.1
53382	X = 865168 Y = 1501003 Z = 131523	16 17 11	LAT. = 4 20 28.7 LONG. = 60 2 28.1 RAD. = 1737476.5	1.3 1.8 17.6
Z3049	X = 865586 Y = 1501098 Z = 118479	16 18 11	LAT. = 3 54 41.5 LONG. = 60 1 50.6 RAD. = 1736828.1	1.3 1.8 18.1
Y1599	X = 842946 Y = 1514278 Z = 103346	14 20 11	LAT. = 3 24 45.2 LONG. = 60 53 48.6 RAD. = 1736167.0	1.3 1.9 18.7
53365	X = 842492 Y = 1514444 Z = 92995	15 21 11	LAT. = 3 4 17.8 LONG. = 60 54 45.4 RAD. = 1735505.9	1.3 1.8 20.2
6336E	X = 841429 Y = 1515211 Z = 92555	18 21 13	LAT. = 3 3 24.6 LONG. = 60 57 20.3 RAD. = 1735635.9	1.5 2.0 22.8
6335E	X = 844080 Y = 1515331 Z = 69152	18 21 13	LAT. = 2 16 58.9 LONG. = 60 52 51.6 RAD. = 1735938.1	1.5 1.9 22.7
53355	X = 846848 Y = 1513536 Z = 67239	15 20 13	LAT. = 2 13 12.8 LONG. = 60 46 20.2 RAD. = 1735644.6	1.5 1.8 20.5
R3213	X = 855418 Y = 1507904 Z = 65866	28 39 35	LAT. = 2 10 32.8 LONG. = 60 26 3.1 RAD. = 1734892.7	4.3 2.9 40.7

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R32A3	X = 864496 Y = 1503373 Z = 53890	53 61 55	LAT. = 1 46 47.6 LONG. = 60 5 58.1 RAD. = 1735047.3	6.8 3.6 73.5
2660	X = 811746 Y = 1525774 Z = 175483	15 17 12	LAT. = 5 47 52.0 LONG. = 61 59 9.7 RAD. = 1737156.8	1.5 1.9 16.0
6344E	X = 813664 Y = 1528171 Z = 153419	21 20 17	LAT. = 5 3 50.7 LONG. = 61 58 2.1 RAD. = 1738071.9	2.1 2.1 22.2
53363	X = 827234 Y = 1520764 Z = 129334	15 16 10	LAT. = 4 16 21.1 LONG. = 61 27 20.2 RAD. = 1736020.5	1.2 1.7 17.0
22895	X = 816246 Y = 1530384 Z = 58119	15 19 11	LAT. = 1 55 9.1 LONG. = 61 55 34.8 RAD. = 1735428.3	1.3 1.8 18.6
72793	X = 824723 Y = 1526079 Z = 56562	16 20 11	LAT. = 1 52 3.2 LONG. = 61 36 44.5 RAD. = 1735593.4	1.3 1.8 21.4
53333	X = 826723 Y = 1525088 Z = 52644	17 42 28	LAT. = 1 44 17.5 LONG. = 61 32 19.3 RAD. = 1735550.7	3.2 3.0 38.6
72795	X = 839410 Y = 1519336 Z = 26855	15 21 12	LAT. = 0 53 10.9 LONG. = 61 4 48.1 RAD. = 1736004.7	1.4 1.8 21.2
N3615	X = 840217 Y = 1518347 Z = 15481	22 35 26	LAT. = 0 30 40.1 LONG. = 61 2 27.2 RAD. = 1735391.1	3.1 2.8 34.2
Y1590	X = 781429 Y = 1531687 Z = 235361	19 30 20	LAT. = 7 47 38.6 LONG. = 62 58 13.6 RAD. = 1735538.3	2.8 1.9 29.4
1086	X = 788891 Y = 1533304 Z = 201253	17 21 13	LAT. = 6 39 25.3 LONG. = 62 46 26.4 RAD. = 1736051.3	1.5 1.9 22.0
43911	X = 793091 Y = 1532850 Z = 197605	13 15 10	LAT. = 6 31 54.1 LONG. = 62 38 35.2 RAD. = 1737144.7	1.2 1.6 14.4

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
53349	X = 812506 Y = 1528680 Z = 154134	13 14 9	LAT. = 5 5 16.1 LONG. = 62 0 32.4 RAD. = 1738040.9	1.1 1.6 13.8
5334J	X = 812491 Y = 1528677 Z = 154076	18 22 14	LAT. = 5 5 9.5 LONG. = 62 0 33.8 RAD. = 1738025.8	1.7 2.1 21.9
7278J	X = 800043 Y = 1537210 Z = 111400	21 21 16	LAT. = 3 40 41.3 LONG. = 62 30 18.8 RAD. = 1736517.2	2.0 2.1 23.4
R3015	X = 809685 Y = 1533030 Z = 73332	25 42 32	LAT. = 2 25 19.3 LONG. = 62 9 31.6 RAD. = 1735265.9	4.0 3.1 40.2
2852	X = 806625 Y = 1534705 Z = 70752	15 18 11	LAT. = 2 20 12.6 LONG. = 62 16 26.6 RAD. = 1735214.0	1.3 1.8 18.6
53266	X = 790191 Y = 1544951 Z = 35574	18 26 13	LAT. = 1 10 27.9 LONG. = 62 54 42.4 RAD. = 1735666.9	1.6 1.9 26.7
5326F	X = 790124 Y = 1544816 Z = 35570	18 46 24	LAT. = 1 10 27.7 LONG. = 62 54 44.9 RAD. = 1735561.1	2.8 3.7 38.7
72773	X = 806243 Y = 1537301 Z = 7678	14 23 12	LAT. = 0 15 12.3 LONG. = 62 19 30.3 RAD. = 1735909.3	1.4 1.8 22.2
43909	X = 776291 Y = 1536636 Z = 219306	13 14 9	LAT. = 7 15 34.4 LONG. = 63 11 51.4 RAD. = 1735503.7	1.1 1.6 14.0
5332G	X = 779003 Y = 1547813 Z = 130475	16 17 13	LAT. = 4 18 21.9 LONG. = 63 17 3.1 RAD. = 1737698.2	1.6 1.8 18.3
B326B	X = 762269 Y = 1556343 Z = 94036	15 24 19	LAT. = 3 6 21.4 LONG. = 63 54 18.8 RAD. = 1735540.4	2.1 2.0 23.1
53262	X = 762236 Y = 1556495 Z = 94033	14 17 11	LAT. = 3 6 20.3 LONG. = 63 54 30.3 RAD. = 1735662.0	1.3 1.7 16.8

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y1555	X = 779604 Y = 1549506 Z = 79912	13 16 10	LAT. = 2 38 16.0 LONG. = 63 17 29.8 RAD. = 1736414.7	1.2 1.6 15.5
53240	X = 771091 Y = 1554986 Z = 28737	16 43 25	LAT. = 0 56 54.8 LONG. = 63 37 26.2 RAD. = 1735911.2	2.9 3.0 38.0
53244	X = 771048 Y = 1555037 Z = 28606	16 21 12	LAT. = 0 56 39.1 LONG. = 63 37 33.5 RAD. = 1735936.2	1.4 1.8 21.0
N3675	X = 774057 Y = 1553460 Z = 12996	25 39 30	LAT. = 0 25 44.4 LONG. = 63 30 50.0 RAD. = 1735675.9	3.5 2.9 39.0
B369J	X = 734143 Y = 1566170 Z = 163969	16 40 14	LAT. = 5 24 54.9 LONG. = 64 53 6.5 RAD. = 1737451.7	1.7 2.5 37.4
43699	X = 734029 Y = 1566486 Z = 163939	15 22 18	LAT. = 5 24 48.7 LONG. = 64 53 34.8 RAD. = 1737685.9	2.0 2.0 21.6
5369J	X = 734101 Y = 1566396 Z = 163808	18 22 15	LAT. = 5 24 33.8 LONG. = 64 53 22.5 RAD. = 1737622.8	1.9 1.9 22.4
Y1549	X = 745777 Y = 1560893 Z = 158663	15 18 11	LAT. = 5 14 25.4 LONG. = 64 27 43.4 RAD. = 1737165.4	1.3 1.7 18.3
2658	X = 748986 Y = 1560258 Z = 145939	14 14 11	LAT. = 4 49 11.8 LONG. = 64 21 25.7 RAD. = 1736859.6	1.3 1.7 13.7
Y1551	X = 756484 Y = 1557694 Z = 135382	13 15 10	LAT. = 4 28 13.1 LONG. = 64 5 48.4 RAD. = 1736953.8	1.2 1.6 15.2
53261	X = 753720 Y = 1560792 Z = 118797	16 22 12	LAT. = 3 55 15.2 LONG. = 64 13 25.3 RAD. = 1737319.5	1.5 1.9 22.6
B326A	X = 753655 Y = 1560789 Z = 118792	16 42 20	LAT. = 3 55 14.9 LONG. = 64 13 32.2 RAD. = 1737288.2	2.1 3.0 37.6

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
6326A	X = 753790	21	LAT. = 3 54 59.0	2.1
	Y = 1560821	20	LONG. = 64 13 19.3	2.0
	Z = 118663	17	RAD. = 1737366.6	22.6
53240	X = 743014	13	LAT. = 2 45 24.3	1.2
	Y = 1566039	17	LONG. = 64 37 4.0	1.7
	Z = 83464	10	RAD. = 1735371.8	16.9
7324K	X = 743055	21	LAT. = 2 44 47.5	2.3
	Y = 1566209	21	LONG. = 64 37 8.3	2.2
	Z = 83162	19	RAD. = 1735527.9	23.2
Z2849	X = 738943	15	LAT. = 1 49 58.7	1.3
	Y = 1569187	18	LONG. = 64 47 1.9	1.7
	Z = 55507	11	RAD. = 1735357.1	18.2
2850	X = 743544	14	LAT. = 1 19 50.5	1.3
	Y = 1567695	14	LONG. = 64 37 31.6	1.7
	Z = 40305	11	RAD. = 1735554.5	13.4
N3612	X = 739067	20	LAT. = 1 2 17.5	2.4
	Y = 1570229	32	LONG. = 64 47 41.3	2.4
	Z = 31450	20	RAD. = 1735750.3	31.6
Z2851	X = 754802	14	LAT. = 0 58 2.2	1.3
	Y = 1562554	18	LONG. = 64 13 .6	1.7
	Z = 29298	11	RAD. = 1735557.2	18.2
V42JJ	X = 701125	14	LAT. = 7 40 40.5	1.8
	Y = 1572886	19	LONG. = 65 58 29.1	1.8
	Z = 232158	16	RAD. = 1737654.3	19.3
V4299	X = 702617	15	LAT. = 7 30 19.8	2.0
	Y = 1571780	19	LONG. = 65 54 51.9	1.9
	Z = 226831	18	RAD. = 1736552.6	19.5
Y1545	X = 719144	16	LAT. = 7 13 56.9	1.8
	Y = 1565795	18	LONG. = 65 19 53.2	1.8
	Z = 218663	14	RAD. = 1736863.8	18.6
B369G	X = 722462	18	LAT. = 6 17 4.9	1.8
	Y = 1567659	22	LONG. = 65 15 25.9	2.1
	Z = 190099	14	RAD. = 1736560.6	22.8
5369G	X = 722506	21	LAT. = 6 16 46.8	4.2
	Y = 1567768	39	LONG. = 65 15 26.6	2.1
	Z = 189959	32	RAD. = 1736662.4	37.7

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
22845	X = 717277	16	LAT. = 3 42 8.9	1.7
	Y = 1576751	17	LONG. = 65 32 19.7	1.7
	Z = 112093	13	RAD. = 1735855.3	18.1
5322G	X = 724545	15	LAT. = 3 11 32.2	1.5
	Y = 1574082	18	LONG. = 65 17 .7	1.7
	Z = 96646	12	RAD. = 1735523.0	18.1
X1155	X = 721158	16	LAT. = 3 9 44.7	2.2
	Y = 1575680	34	LONG. = 65 24 26.4	2.8
	Z = 95742	19	RAD. = 1735511.9	29.1
Y1398	X = 719470	13	LAT. = 1 31 28.3	1.2
	Y = 1578782	16	LONG. = 65 30 2.5	1.6
	Z = 46175	10	RAD. = 1735604.0	15.2
53096	X = 711716	13	LAT. = 1 18 53.6	1.2
	Y = 1582517	16	LONG. = 65 47 5.3	1.6
	Z = 39828	10	RAD. = 1735651.8	15.3
N3485	X = 707771	24	LAT. = 0 56 5.1	3.6
	Y = 1584697	38	LONG. = 65 55 59.2	2.9
	Z = 28317	30	RAD. = 1735801.0	37.9
R3033	X = 719434	22	LAT. = 0 33 41.8	2.2
	Y = 1579656	30	LONG. = 65 30 49.3	2.3
	Z = 17015	18	RAD. = 1735853.4	31.8
53099	X = 725437	13	LAT. = 0 11 6.0	1.2
	Y = 1576990	16	LONG. = 65 17 49.0	1.6
	Z = 5605	10	RAD. = 1735853.7	16.1
6309J	X = 725293	31	LAT. = 0 10 52.2	1.9
	Y = 1577129	32	LONG. = 65 18 11.4	2.5
	Z = 5489	16	RAD. = 1735919.5	38.8
43685	X = 678017	12	LAT. = 6 36 25.3	1.1
	Y = 1586193	14	LONG. = 66 51 20.7	1.4
	Z = 199807	9	RAD. = 1736559.0	13.4
43686	X = 687733	12	LAT. = 5 43 26.0	1.1
	Y = 1584986	16	LONG. = 66 32 37.5	1.5
	Z = 173181	9	RAD. = 1736418.5	15.3
2220	X = 684525	14	LAT. = 5 27 25.2	1.4
	Y = 1587897	15	LONG. = 66 40 46.8	1.7
	Z = 165189	12	RAD. = 1737031.6	14.1

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y1393	X = 686666 Y = 1590125 Z = 122200	12 16 10	LAT. = 4 2 8.4 LONG. = 66 38 37.6 RAD. = 1736358.8	1.1 1.5 16.0
2656	X = 684249 Y = 1591630 Z = 115737	13 13 11	LAT. = 3 49 19.0 LONG. = 66 44 12.9 RAD. = 1736340.5	1.3 1.6 13.1
53094	X = 691261 Y = 1590322 Z = 86314	12 15 10	LAT. = 2 50 53.4 LONG. = 66 30 25.2 RAD. = 1736207.3	1.1 1.5 14.2
53095	X = 704459 Y = 1585268 Z = 57820	12 14 9	LAT. = 1 54 32.4 LONG. = 66 2 26.4 RAD. = 1735707.9	1.0 1.5 13.4
7308F	X = 693900 Y = 1591070 Z = 24244	19 21 15	LAT. = 0 48 LONG. = 66 26 15.1 RAD. = 1735969.3	1.8 1.4 23.2
53086	X = 693792 Y = 1591164 Z = 24121	30 49 23	LAT. = 0 47 46.1 LONG. = 66 26 29.2 RAD. = 1736009.9	2.8 2.7 52.9
22695	X = 686114 Y = 1597040 Z = 3873	14 17 10	LAT. = 0 7 39.6 LONG. = 66 45 3.1 RAD. = 1738189.9	1.2 1.6 17.3
43082	X = 660718 Y = 1589699 Z = 229849	12 14 9	LAT. = 7 36 17.2 LONG. = 67 25 51.7 RAD. = 1736813.2	1.1 1.5 14.2
Y1389	X = 657397 Y = 1597337 Z = 184361	15 17 13	LAT. = 6 5 32.1 LONG. = 67 37 47.9 RAD. = 1737137.3	1.7 1.7 17.9
43653	X = 657356 Y = 1600554 Z = 157822	12 15 9	LAT. = 5 12 41.8 LONG. = 67 40 18.4 RAD. = 1737468.8	1.1 1.5 14.3
43655	X = 670924 Y = 1596697 Z = 129985	13 18 10	LAT. = 4 17 31.7 LONG. = 67 12 29.1 RAD. = 1736800.3	1.3 1.6 17.0
R2815	X = 671937 Y = 1598810 Z = 93095	23 37 29	LAT. = 3 4 21.6 LONG. = 67 12 15.4 RAD. = 1736767.4	3.6 2.7 36.8

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

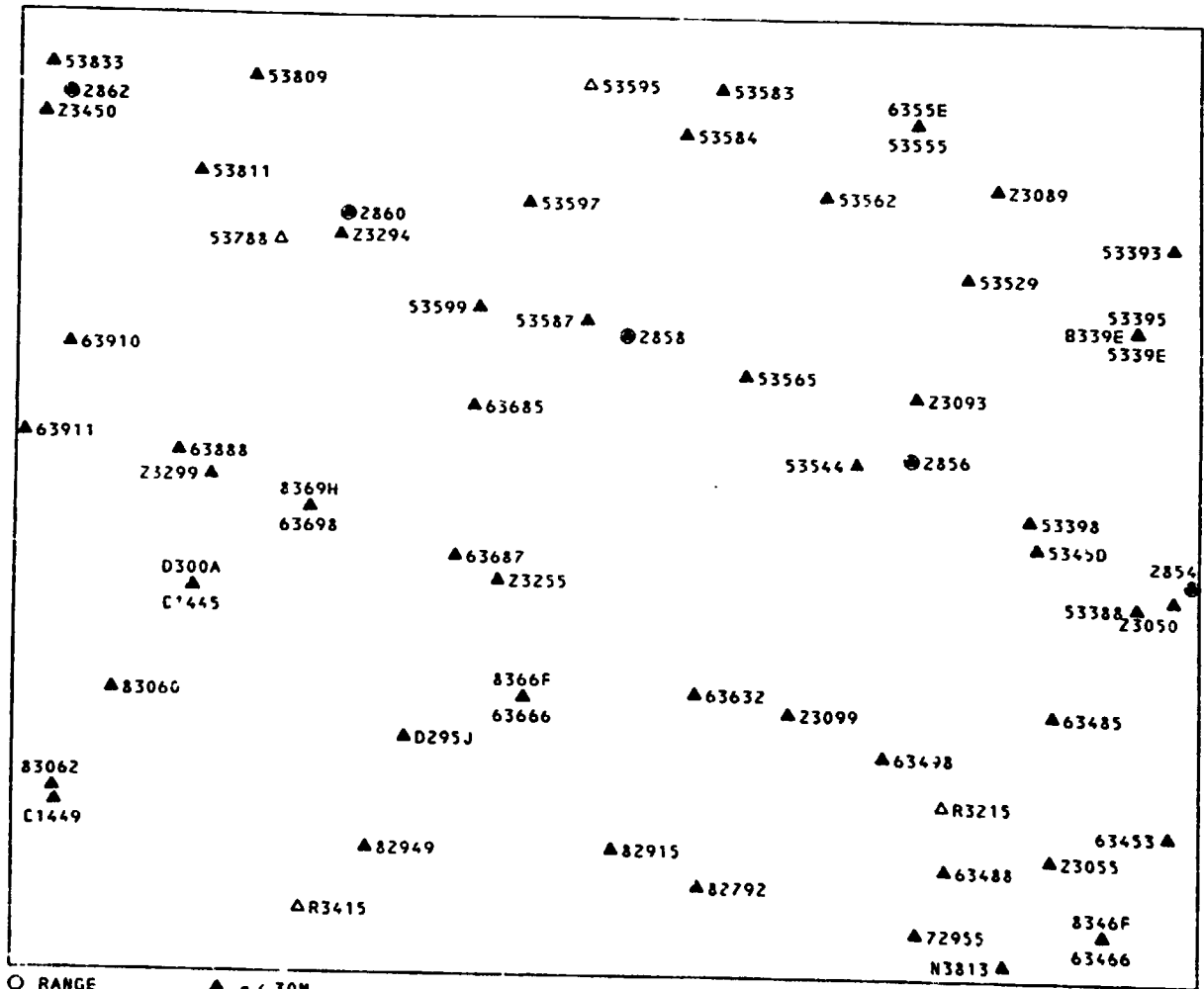
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y1373	X = 651346 Y = 1607977 Z = 79721	12 14 9	LAT. = 2 37 51.5 LONG. = 67 56 54.7 RAD. = 1736720.7	1.0 1.4 13.2
X0999	X = 653805 Y = 1607817 Z = 62009	13 19 14	LAT. = 2 2 46.0 LONG. = 67 52 16.7 RAD. = 1736773.3	1.6 1.7 18.0
73081	X = 676412 Y = 1598952 Z = 43634	21 21 17	LAT. = 1 26 22.9 LONG. = 67 4 11.8 RAD. = 1736687.5	2.1 2.0 23.1
53084	X = 677340 Y = 1598743 Z = 43288	13 17 10	LAT. = 1 25 41.3 LONG. = 67 2 20.7 RAD. = 1736848.1	1.2 1.6 16.3
Y1371	X = 669514 Y = 1602308 Z = 27825	12 15 9	LAT. = 0 55 4.7 LONG. = 67 19 21.7 RAD. = 1736782.8	1.1 1.5 14.7
Y1355	X = 650471 Y = 1609368 Z = 11618	12 15 10	LAT. = 0 23 .5 LONG. = 67 59 33.2 RAD. = 1735889.8	1.2 1.5 14.9
2848	X = 678754 Y = 1599357 Z = 9456	13 14 10	LAT. = 0 18 42.6 LONG. = 67 0 14.5 RAD. = 1737451.9	1.2 1.6 13.2
N3424	X = 666946 Y = 1602630 Z = 8382	20 30 17	LAT. = 0 16 36.0 LONG. = 67 24 18.1 RAD. = 1735888.5	2.0 2.3 30.3
43649	X = 629609 Y = 1604733 Z = 212503	12 14 9	LAT. = 7 1 39.5 LONG. = 68 34 39.7 RAD. = 1736874.7	1.1 1.5 14.3
Y4255	X = 632156 Y = 1604399 Z = 207486	13 19 16	LAT. = 6 51 39.1 LONG. = 68 29 41.5 RAD. = 1736884.3	1.8 1.7 19.3
43651	X = 644580 Y = 1601743 Z = 188816	12 15 10	LAT. = 6 14 27.6 LONG. = 68 4 44.2 RAD. = 1736869.4	1.1 1.5 15.7
43632	X = 631191 Y = 1612141 Z = 140354	13 15 0	LAT. = 4 38 5.1 LONG. = 68 37 6.5 RAD. = 1736980.4	1.2 1.5 15.6

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y1359	X = 627638 Y = 1614511 Z = 124779	13 16 9	LAT. = 4 7 12.5 LONG. = 68 45 23.4 RAD. = 1736704.7	1.1 1.5 15.9
Y1350	X = 626206 Y = 1618207 Z = 81492	13 18 10	LAT. = 2 41 20.2 LONG. = 68 50 41.3 RAD. = 1737057.7	1.2 1.6 17.7
530FA	X = 631529 Y = 1617995 Z = 52200	14 30 20	LAT. = 1 43 17.2 LONG. = 68 40 42.6 RAD. = 1737659.6	2.3 2.1 27.8
6306A	X = 631642 Y = 1618022 Z = 52091	22 37 32	LAT. = 1 43 4.0 LONG. = 68 40 31.3 RAD. = 1737723.1	4.0 2.0 38.8
53061	X = 631337 Y = 1618023 Z = 51990	14 22 15	LAT. = 1 42 52.5 LONG. = 68 41 5.0 RAD. = 1737609.9	1.8 1.8 21.7
N3475	X = 635682 Y = 1615582 Z = 38752	24 38 29	LAT. = 1 16 43.3 LONG. = 68 31 18.7 RAD. = 1736577.2	3.5 2.8 37.7
53063	X = 640842 Y = 1613789 Z = 22254	14 17 11	LAT. = 0 44 3.4 LONG. = 68 20 30.4 RAD. = 1736515.8	1.3 1.6 17.7
43629	X = 617559 Y = 1614462 Z = 171763	12 15 10	LAT. = 5 40 29.2 LONG. = 69 4 2.3 RAD. = 1737057.6	1.2 1.5 15.2
2218	X = 619003 Y = 1617724 Z = 135398	13 13 11	LAT. = 4 28 10.9 LONG. = 69 3 40.5 RAD. = 1737390.7	1.3 1.6 12.9
43497	X = 594062 Y = 1625445 Z = 120328	12 16 9	LAT. = 3 58 38.5 LONG. = 69 55 25.8 RAD. = 1734779.1	1.1 1.4 15.5
R28.7	X = 615970 Y = 1620091 Z = 104385	22 39 29	LAT. = 3 26 47.5 LONG. = 69 10 58.2 RAD. = 1736378.2	3.6 2.8 37.0
4349J	X = 608452 Y = 1623693 Z = 99043	14 17 11	LAT. = 3 16 9.1 LONG. = 69 27 26.4 RAD. = 1736779.0	1.3 1.6 17.7

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
43499	X = 608546	11	LAT. = 3 16 5.8	1.1
	Y = 1623595	15	LONG. = 69 27 11.8	1.4
	Z = 99013	9	RAD. = 1736718.7	14.6
5349J	X = 608696	17	LAT. = 3 15 57.9	1.9
	Y = 1623584	22	LONG. = 69 26 54.7	1.8
	Z = 98948	15	RAD. = 1736757.0	22.4
2654	X = 619044	13	LAT. = 2 46 24.9	1.2
	Y = 1620255	13	LONG. = 69 5 23.4	1.6
	Z = 84029	10	RAD. = 1736520.0	12.8
R2834	X = 622401	29	LAT. = 1 41 42.6	3.2
	Y = 1622000	48	LONG. = 69 0 25.0	2.6
	Z = 51415	26	RAD. = 1738076.7	50.9
R2899	X = 598879	21	LAT. = 1 14 10.0	2.3
	Y = 1631093	19	LONG. = 69 50 18.9	2.6
	Z = 37492	20	RAD. = 1737965.7	17.8
53030	X = 612419	14	LAT. = 0 15 43.2	1.4
	Y = 1625273	16	LONG. = 69 21 11.1	1.7
	Z = 7942	12	RAD. = 1736845.2	15.9



○ RANGE OBSERVATION
▲ ◻ < 30M
△ ◻ < 100M
▽ ◻ > 100M

MAP SHEET 62D

TERRAIN POINTS ON MAP SHEET 62D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
53833	X = 1099914	17	LAT. = 7 33 31.5	1.4
	Y = 1323186	18	LONG. = 50 15 52.4	2.1
	Z = 228323	12	RAD. = 1735731.4	18.6
2862	X = 1096751	16	LAT. = 7 19 7.0	1.4
	Y = 1326798	15	LONG. = 50 25 20.4	2.1
	Z = 221086	11	RAD. = 1735550.5	14.5
23450	X = 1101890	18	LAT. = 7 9 4.7	1.4
	Y = 1323016	18	LONG. = 50 12 37.3	2.1
	Z = 216025	12	RAD. = 1735281.0	18.9
63910	X = 1100357	16	LAT. = 5 14 4.8	1.5
	Y = 1332133	20	LONG. = 50 26 34.5	2.1
	Z = 158298	13	RAD. = 1735057.0	19.7
63911	X = 1110424	16	LAT. = 4 29 20.1	1.3
	Y = 1326721	16	LONG. = 50 4 18.2	2.0
	Z = 135825	11	RAD. = 1735418.6	15.4
83060	X = 1094817	21	LAT. = 2 21 8.7	1.7
	Y = 1343973	23	LONG. = 50 49 59.9	2.2
	Z = 71211	14	RAD. = 1734923.6	24.7
83062	X = 1106925	20	LAT. = 1 31 14.1	1.6
	Y = 1335217	24	LONG. = 50 20 25.7	2.2
	Z = 46040	14	RAD. = 1734994.9	24.6
C1449	X = 1106554	18	LAT. = 1 24 20.4	1.4
	Y = 1335685	19	LONG. = 50 21 35.3	2.0
	Z = 42562	12	RAD. = 1735029.0	19.5
53809	X = 1060083	18	LAT. = 7 28 29.0	1.4
	Y = 1356321	17	LONG. = 51 59 21.4	2.0
	Z = 225860	12	RAD. = 1736201.3	18.5
53811	X = 1072362	16	LAT. = 6 40 36.4	1.2
	Y = 1349630	16	LONG. = 51 31 50.7	1.9
	Z = 201791	10	RAD. = 1735563.5	16.1
63888	X = 1080009	17	LAT. = 4 20 26.0	1.7
	Y = 1351700	21	LONG. = 51 22 30.5	2.1
	Z = 131524	15	RAD. = 1735153.1	21.1
23299	X = 1073732	16	LAT. = 4 8 36.5	1.7
	Y = 1357220	20	LONG. = 51 39 5.6	2.1
	Z = 125370	15	RAD. = 1735126.3	19.1

TERRAIN POINTS ON MAP SHEET 62D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D300A	X = 1078115 Y = 1355787 Z = 97176	26 20 18	LAT. = 3 12 39.4 LONG. = 51 30 30.5 RAD. = 1734916.2	2.3 2.5 24.6
C1445	X = 1078160 Y = 1355801 Z = 97153	30 19 15	LAT. = 3 12 36.4 LONG. = 51 30 27.3 RAD. = 1734954.1	1.8 2.7 27.7
2860	X = 1043352 Y = 1373974 Z = 191721	16 15 11	LAT. = 6 20 28.2 LONG. = 52 47 17.3 RAD. = 1735841.3	1.3 2.0 14.2
Z3294	X = 1044941 Y = 1373235 Z = 186269	17 18 11	LAT. = 6 9 39.3 LONG. = 52 43 52.6 RAD. = 1735618.6	1.3 2.0 18.9
53783	X = 1057257 Y = 1363869 Z = 184850	18 40 30	LAT. = 6 6 50.7 LONG. = 52 13 3.1 RAD. = 1735540.7	3.2 3.1 37.4
8369H	X = 1053968 Y = 1373348 Z = 117463	34 33 29	LAT. = 3 52 54.1 LONG. = 52 29 44.8 RAD. = 1735145.5	3.7 2.4 41.0
63698	X = 1053930 Y = 1373355 Z = 117443	15 20 13	LAT. = 3 52 51.9 LONG. = 52 29 48.9 RAD. = 1735126.4	1.1 2.0 19.0
82949	X = 1044046 Y = 1385369 Z = 31661	20 20 13	LAT. = 1 2 44.2 LONG. = 52 59 51.0 RAD. = 1735016.4	1.6 2.1 22.0
R3415	X = 1057733 Y = 1375276 Z = 16143	27 36 31	LAT. = 0 31 59.1 LONG. = 52 26 9.2 RAD. = 1735063.4	3.7 3.1 30.2
53599	X = 1017269 Y = 1396045 Z = 168393	16 18 12	LAT. = 5 34 4.5 LONG. = 53 55 11.9 RAD. = 1735549.9	1.3 1.9 18.2
63685	X = 1019528 Y = 1397252 Z = 143565	17 29 12	LAT. = 4 44 41.2 LONG. = 53 52 58.9 RAD. = 1735615.9	1.4 2.3 27.5
63687	X = 1024633 Y = 1396620 Z = 105606	16 16 11	LAT. = 3 29 19.9 LONG. = 53 44 3.4 RAD. = 1735388.9	1.3 1.9 16.3

TERRAIN POINTS ON MAP SHEET 62D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D295J	X = 1035810	25	LAT. = 1 58 12.6	2.4
	Y = 1390623	21	LONG. = 53 19 9.4	2.5
	Z = 59648	20	RAD. = 1735019.3	24.6
53595	X = 991519	19	LAT. = 7 25 56.5	1.7
	Y = 1407356	41	LONG. = 54 50 3.5	2.9
	Z = 224580	15	RAD. = 1736144.4	38.3
53597	X = 1006223	16	LAT. = 6 26 44.3	1.2
	Y = 1402040	17	LONG. = 54 20 .8	1.9
	Z = 194966	11	RAD. = 1736724.6	16.8
53587	X = 995487	16	LAT. = 5 27 53.4	1.2
	Y = 1412972	17	LONG. = 54 50 2.4	1.9
	Z = 165359	11	RAD. = 1736325.8	17.5
Z3255	X = 1015924	16	LAT. = 3 17 28.2	1.6
	Y = 1403331	19	LONG. = 54 5 52.1	2.0
	Z = 99626	14	RAD. = 1735328.4	18.7
8366F	X = 1011124	45	LAT. = 2 18 56.1	2.3
	Y = 1408285	26	LONG. = 54 19 20.4	3.6
	Z = 70104	19	RAD. = 1735094.7	42.1
63666	X = 1011122	18	LAT. = 2 18 54.8	2.5
	Y = 1408258	27	LONG. = 54 19 18.6	2.1
	Z = 70092	22	RAD. = 1735071.1	27.1
53583	X = 963575	16	LAT. = 7 24 9.5	1.4
	Y = 1426368	16	LONG. = 55 57 33.2	1.8
	Z = 223643	11	RAD. = 1735804.8	16.3
53584	X = 971499	15	LAT. = 7 1 26.6	1.2
	Y = 1421989	15	LONG. = 55 39 33.1	1.8
	Z = 212189	10	RAD. = 1735190.8	14.5
2858	X = 987000	16	LAT. = 5 20 45.5	1.3
	Y = 1418739	15	LONG. = 55 10 26.9	1.9
	Z = 161728	11	RAD. = 1735841.1	14.0
63632	X = 975285	15	LAT. = 2 21 14.0	1.5
	Y = 1433413	19	LONG. = 55 46 8.0	1.9
	Z = 71268	13	RAD. = 1735203.6	18.5
82915	X = 993129	26	LAT. = 1 3 7.1	2.0
	Y = 1422215	22	LONG. = 55 4 24.7	2.3
	Z = 31853	16	RAD. = 1734939.8	27.8

TERRAIN POINTS ON MAP SHEET 62D (CONTINUED)

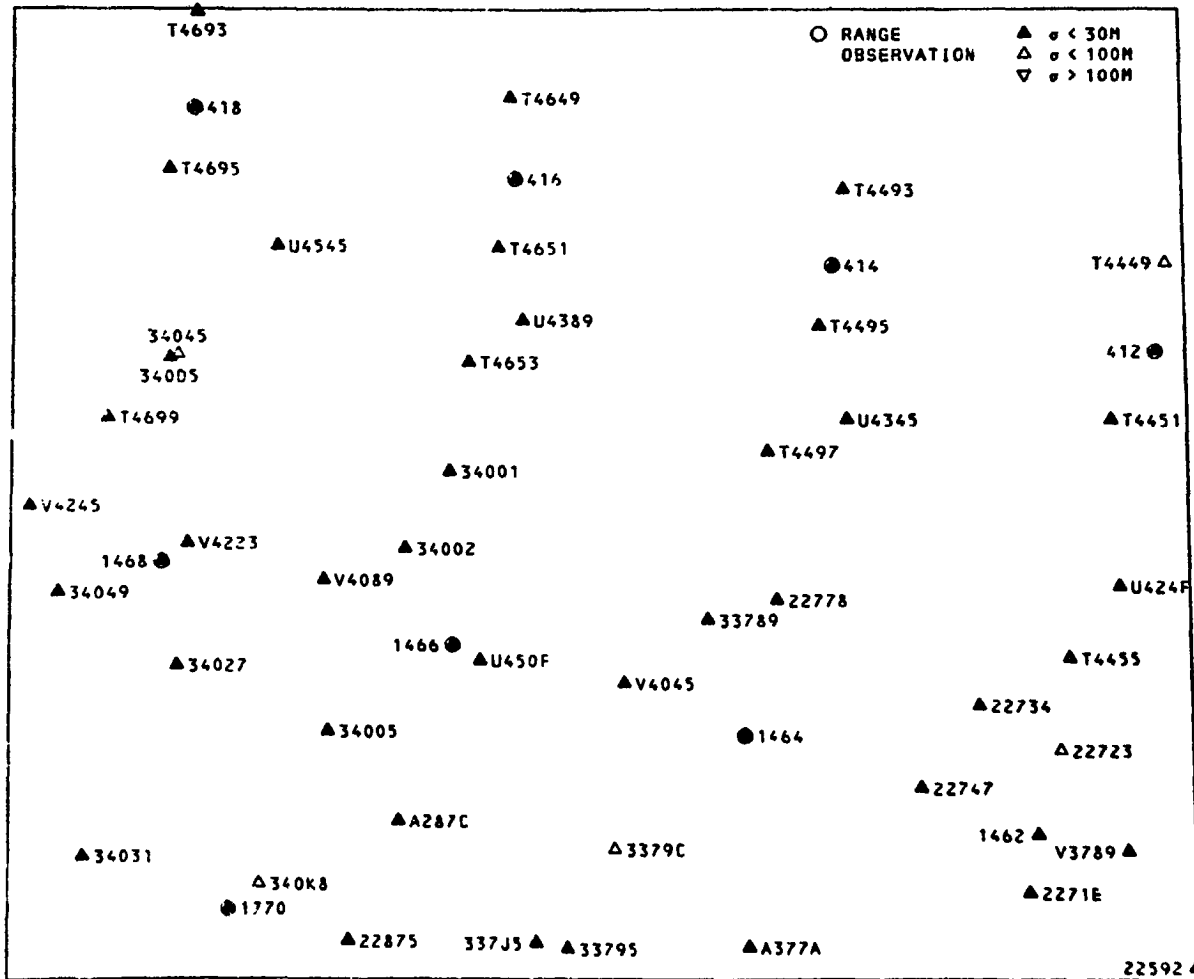
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82792	X = 975116 Y = 1434947 Z = 22623	18 18 14	LAT. = 0 44 49.5 LONG. = 55 48 7.2 RAD. = 1735060.9	1.6 2.0 18.9
53562	X = 943494 Y = 1444014 Z = 197034	14 15 10	LAT. = 6 30 59.5 LONG. = 56 50 24.3 RAD. = 1736139.3	1.2 1.8 14.5
53565	X = 962733 Y = 1436932 Z = 151733	15 17 10	LAT. = 5 0 48.4 LONG. = 56 10 41.6 RAD. = 1736274.8	1.2 1.8 16.9
Z3099	X = 955753 Y = 1446806 Z = 66483	15 19 14	LAT. = 2 11 44.6 LONG. = 56 33 5.2 RAD. = 1735261.2	1.6 2.0 18.7
6355E	X = 922819 Y = 1454835 Z = 215577	45 24 20	LAT. = 7 7 56.4 LONG. = 57 36 45.2 RAD. = 1736264.3	2.8 3.8 38.2
53555	X = 922809 Y = 1454879 Z = 215550	19 22 13	LAT. = 7 7 52.8 LONG. = 57 36 49.0 RAD. = 1736292.2	1.5 2.0 23.4
Z3093	X = 926837 Y = 1461219 Z = 146749	16 18 11	LAT. = 4 50 51.1 LONG. = 57 36 48.4 RAD. = 1736583.6	1.3 1.9 18.1
2856	X = 928186 Y = 1461123 Z = 131248	15 14 11	LAT. = 4 20 9.5 LONG. = 57 34 26.6 RAD. = 1735983.0	1.3 1.9 13.7
53544	X = 940044 Y = 1453917 Z = 129949	15 17 11	LAT. = 4 17 32.5 LONG. = 57 6 53.7 RAD. = 1736215.5	1.2 1.8 17.3
63498	X = 935444 Y = 1460003 Z = 55833	15 19 12	LAT. = 1 50 39.3 LONG. = 57 21 6.3 RAD. = 1734871.9	1.4 1.8 18.6
R3215	X = 923039 Y = 1468182 Z = 43692	27 37 31	LAT. = 1 26 35.5 LONG. = 57 50 33.4 RAD. = 1734781.6	3.8 3.0 38.2
63488	X = 922716 Y = 1469003 Z = 27569	15 16 11	LAT. = 0 54 37.8 LONG. = 57 51 57.9 RAD. = 1734974.4	1.3 1.8 15.4

TERRAIN POINTS ON MAP SHEET 62D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
72955	X = 928891 Y = 1465369 Z = 11468	16 24 18	LAT. = 0 22 43.4 LONG. = 57 37 46.4 RAD. = 1735014.7	2.2 2.2 22.4
Z3089	X = 906401 Y = 1466744 Z = 199230	17 18 13	LAT. = 6 35 28.3 LONG. = 58 17 7.0 RAD. = 1735682.4	1.7 1.9 18.7
53529	X = 914298 Y = 1465260 Z = 176973	14 15 9	LAT. = 5 51 1.9 LONG. = 58 2 11.4 RAD. = 1736158.6	1.1 1.7 14.3
53398	X = 903170 Y = 1478183 Z = 116218	15 17 11	LAT. = 3 50 17.7 LONG. = 58 34 30.2 RAD. = 1736159.4	1.3 1.8 17.0
5345D	X = 902063 Y = 1479947 Z = 109201	16 24 17	LAT. = 3 36 18.7 LONG. = 58 38 12.2 RAD. = 1736630.3	2.0 2.1 23.0
63485	X = 898637 Y = 1482483 Z = 66783	16 20 12	LAT. = 2 12 22.0 LONG. = 58 46 37.2 RAD. = 1734867.1	1.4 1.8 20.5
Z3055	X = 899725 Y = 1483173 Z = 30420	15 20 14	LAT. = 1 0 16.7 LONG. = 58 45 29.1 RAD. = 1735002.8	1.7 1.9 18.6
N3813	X = 910050 Y = 1477325 Z = 3886	22 27 20	LAT. = 0 7 41.9 LONG. = 58 21 59.1 RAD. = 1735135.5	2.4 2.4 27.9
53393	X = 869182 Y = 1491871 Z = 185470	14 15 10	LAT. = 6 7 52.1 LONG. = 59 46 27.8 RAD. = 1736535.6	1.2 1.7 14.4
53395	X = 878254 Y = 1489220 Z = 164376	18 18 12	LAT. = 5 25 51.9 LONG. = 59 28 13.4 RAD. = 1736699.7	1.6 1.8 20.1
B339E	X = 878282 Y = 1489161 Z = 164340	16 22 18	LAT. = 5 25 48.0 LONG. = 59 28 7.0 RAD. = 1736659.2	2.0 2.1 22.0
5339E	X = 878259 Y = 1489285 Z = 164310	19 23 15	LAT. = 5 25 43.4 LONG. = 59 28 16.9 RAD. = 1736751.9	1.7 2.2 23.0

TERRAIN POINTS ON MAP SHEET 62D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2854	X = 867985	15	LAT. = 3 19 49.0	1.3
	Y = 1499847	14	LONG. = 59 56 28.9	1.8
	Z = 100837	11	RAD. = 1735830.9	13.7
23050	X = 872198	16	LAT. = 3 11 11.0	1.3
	Y = 1498012	18	LONG. = 59 47 25.6	1.8
	Z = 96501	11	RAD. = 1736110.7	18.2
53388	X = 880356	17	LAT. = 3 7 19.0	1.4
	Y = 1493346	18	LONG. = 59 28 47.4	1.9
	Z = 94550	12	RAD. = 1736101.9	19.3
63453	X = 874031	16	LAT. = 1 13 34.7	1.5
	Y = 1498567	20	LONG. = 59 44 50.5	1.9
	Z = 37137	13	RAD. = 1735227.0	20.0
8546F	X = 888362	48	LAT. = 0 23 29.3	2.8
	Y = 1490670	26	LONG. = 59 12 26.1	4.0
	Z = 11857	23	RAD. = 1735346.1	42.0
63466	X = 888382	16	LAT. = 0 23 28.7	2.0
	Y = 1490690	24	LONG. = 59 12 25.3	2.2
	Z = 11852	17	RAD. = 1735372.6	23.0



MAP SHEET 63A

TERRAIN POINTS ON MAP SHEET 63A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4699	X = 557332	13	LAT. = 12 38 50.4	1.3
	Y = 1601124	16	LONG. = 70 48 27.4	1.5
	Z = 380427	12	RAD. = 1737510.2	16.0
V4245	X = 575841	13	LAT. = 11 55 14.6	1.4
	Y = 1596257	17	LONG. = 70 9 48.1	1.5
	Z = 358244	11	RAD. = 1734349.5	16.6
34049	X = 571111	17	LAT. = 11 12 15.1	1.8
	Y = 1604406	22	LONG. = 70 24 22.0	2.0
	Z = 337337	14	RAD. = 1736111.7	21.6
34031	X = 568597	11	LAT. = 9 1 7.6	1.1
	Y = 1616797	14	LONG. = 70 37 27.1	1.4
	Z = 272025	9	RAD. = 1735319.1	13.8
T4693	X = 527297	15	LAT. = 15 58 42.8	1.6
	Y = 1581755	20	LONG. = 71 33 48.8	1.8
	Z = 477424	13	RAD. = 1734336.5	20.5
418	X = 530524	14	LAT. = 15 11 39.3	1.5
	Y = 1589262	15	LONG. = 71 32 24.2	1.7
	Z = 455036	13	RAD. = 1736164.3	14.4
T4695	X = 537563	14	LAT. = 14 41 41.3	1.5
	Y = 1590563	20	LONG. = 71 19 34.6	1.7
	Z = 440301	14	RAD. = 1735721.3	20.2
34045	X = 538740	36	LAT. = 13 10 11.2	2.9
	Y = 1601312	33	LONG. = 71 24 18.6	3.3
	Z = 395331	18	RAD. = 1735144.5	37.1
34005	X = 541445	14	LAT. = 13 8 24.7	1.7
	Y = 1602963	19	LONG. = 71 20 10.3	1.7
	Z = 394978	17	RAD. = 1737429.3	20.0
V4223	X = 540131	13	LAT. = 11 36 32.2	1.3
	Y = 1613851	16	LONG. = 71 29 43.5	1.5
	Z = 349614	10	RAD. = 1737379	16.2
1468	X = 546700	13	LAT. = 11 27 33.4	1.4
	Y = 1612650	14	LONG. = 71 16 22.6	1.6
	Z = 345183	12	RAD. = 1737432.5	13.7
34027	X = 544771	13	LAT. = 10 35 59.8	1.4
	Y = 1619811	17	LONG. = 71 24 40.7	1.5
	Z = 319823	11	RAD. = 1738634.3	17.0

TERRAIN POINTS ON MAP SHEET 63A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1770	X = 534952 Y = 1631820 Z = 259159	14 14 12	LAT. = 8 34 55.0 LONG. = 71 50 58.3 RAD. = 1736713.0	1.5 1.7 13.2
U4545	X = 513396 Y = 1603938 Z = 421762	16 21 14	LAT. = 14 3 35.4 LONG. = 72 15 3.4 RAD. = 1736109.0	1.9 1.7 20.0
V4089	X = 507706 Y = 1625804 Z = 340294	15 20 14	LAT. = 11 17 54.7 LONG. = 72 39 26.9 RAD. = 1736894.6	1.9 1.7 19.4
34005	X = 508719 Y = 1632894 Z = 303151	13 16 10	LAT. = 10 3 4.6 LONG. = 72 41 45.1 RAD. = 1736962.8	1.3 1.5 16.3
340K8	X = 527338 Y = 1633446 Z = 265341	14 33 12	LAT. = 8 47 15.3 LONG. = 72 6 28.7 RAD. = 1736847.0	1.6 1.9 31.3
22875	X = 505876 Y = 1641306 Z = 250973	11 15 10	LAT. = 8 18 49.1 LONG. = 72 52 11.6 RAD. = 1735737.5	1.1 1.4 14.6
T4653	X = 469097 Y = 1625022 Z = 393380	12 15 11	LAT. = 13 5 35.1 LONG. = 73 53 53.1 RAD. = 1736518.5	1.3 1.5 14.7
34001	X = 475353 Y = 1628718 Z = 366589	11 14 10	LAT. = 12 11 31.6 LONG. = 73 43 47.0 RAD. = 1735819.9	1.2 1.4 13.8
34002	X = 487263 Y = 1629366 Z = 347745	17 22 14	LAT. = 11 33 22.7 LONG. = 73 21 2.4 RAD. = 1735853.5	1.9 1.8 21.5
1466	X = 477022 Y = 1637512 Z = 324137	13 14 12	LAT. = 10 45 37.3 LONG. = 73 45 24.3 RAD. = 1736121.5	1.4 1.6 13.7
U4504	X = 470649 Y = 1640226 Z = 320209	14 19 12	LAT. = 10 17 40.7 LONG. = 73 59 22.6 RAD. = 1736198.9	1.1 1.6 19.9
A287L	X = 497862 Y = 1642217 Z = 280888	16 22 15	LAT. = 9 18 13.5 LONG. = 73 17 40.1 RAD. = 1737437.5	2.0 1.8 21.4

TERRAIN POINTS ON MAP SHEET 63A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4649	X = 455134 Y = 1614035 Z = 457850	14 20 12	LAT. = 15 16 14.8 LONG. = 74 15 8.4 RAD. = 1738356.8	1.5 1.7 19.6
410	X = 454890 Y = 1617859 Z = 437860	14 15 13	LAT. = 14 36 11.4 LONG. = 74 17 44.6 RAD. = 1736695.8	1.5 1.7 14.9
T4651	X = 460213 Y = 1621131 Z = 421159	14 19 13	LAT. = 14 1 54.5 LONG. = 74 9 5.8 RAD. = 1737019.2	1.5 1.7 19.8
U4389	X = 455515 Y = 1627094 Z = 403644	15 21 14	LAT. = 13 26 8.4 LONG. = 74 21 36.3 RAD. = 1737198.6	1.9 1.7 19.7
337J5	X = 460654 Y = 1656333 Z = 250672	13 19 11	LAT. = 8 17 44.6 LONG. = 74 27 28.3 RAD. = 1737376.4	1.3 1.6 19.5
33795	X = 452864 Y = 1658580 Z = 249288	14 22 13	LAT. = 8 15 .2 LONG. = 74 43 40.9 RAD. = 1737273.0	1.5 1.7 21.8
33789	X = 414345 Y = 1652752 Z = 329963	17 23 15	LAT. = 10 57 35.1 LONG. = 75 55 33.6 RAD. = 1735553.6	2.1 1.8 22.2
V4045	X = 435811 Y = 1651364 Z = 314598	12 17 10	LAT. = 10 26 13.1 LONG. = 75 12 58.2 RAD. = 1736635.9	1.3 1.4 16.5
3379C	X = 440249 Y = 1657491 Z = 273726	25 33 15	LAT. = 9 4 6.6 LONG. = 75 7 30.1 RAD. = 1736670.1	1.7 2.4 36.8
T4495	X = 382834 Y = 1644168 Z = 401818	14 20 14	LAT. = 13 23 18.9 LONG. = 76 53 33.3 RAD. = 1735311.9	1.5 1.7 20.7
T4497	X = 397356 Y = 1648389 Z = 371255	12 15 10	LAT. = 12 21 .4 LONG. = 76 26 49.2 RAD. = 1735773.1	1.3 1.4 14.9
22778	X = 397186 Y = 1656559 Z = 334984	12 19 19	LAT. = 11 7 29.6 LONG. = 76 31 1.1 RAD. = 1736133.4	2.0 1.7 20.8

TERRAIN POINTS ON MAP SHEET 63A (CONTINUED)

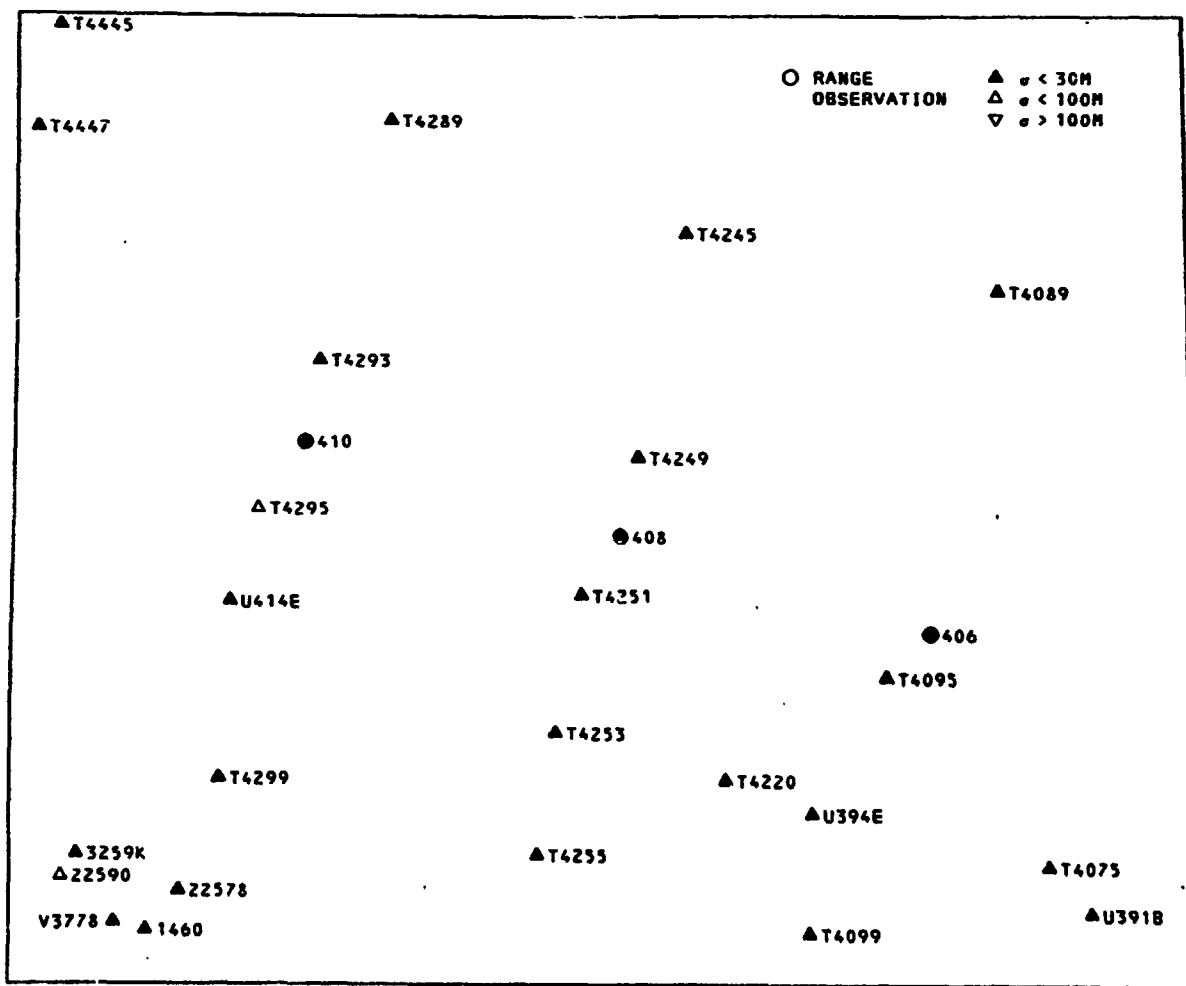
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1464	X = 407084 Y = 1661450 Z = 301852	13 14 11	LAT. = 10 0 26.6 LONG. = 76 13 57.9 RAD. = 1737022.5	1.4 1.6 13.5
A377A	X = 408071 Y = 1668408 Z = 249460	17 22 16	LAT. = 8 15 49.6 LONG. = 76 15 21.7 RAD. = 1735609.2	2.1 1.8 22.4
T4493	X = 374673 Y = 1637661 Z = 434825	14 21 13	LAT. = 14 30 40.7 LONG. = 77 6 48.0 RAD. = 1735335.0	1.5 1.7 20.8
414	X = 378640 Y = 1641425 Z = 416457	14 15 13	LAT. = 13 53 11.3 LONG. = 77 0 37.4 RAD. = 1735246.0	1.5 1.7 15.1
U4345	X = 377604 Y = 1651667 Z = 379171	15 21 14	LAT. = 12 36 52.7 LONG. = 77 7 20.5 RAD. = 1736191.3	1.9 1.6 20.1
22747	X = 364302 Y = 1672945 Z = 288860	12 16 10	LAT. = 9 34 34.7 LONG. = 77 42 54.0 RAD. = 1736347.3	1.3 1.4 15.9
T4455	X = 326305 Y = 1674460 Z = 320768	14 20 18	LAT. = 10 38 56.0 LONG. = 78 58 22.3 RAD. = 1735852.2	2.0 1.7 21.8
22734	X = 349229 Y = 1672292 Z = 309201	16 23 16	LAT. = 10 15 32.4 LONG. = 78 12 15.5 RAD. = 1736124.3	2.2 1.8 21.7
22723	X = 329600 Y = 1677009 Z = 297953	19 40 26	LAT. = 9 53 21.2 LONG. = 78 52 50.8 RAD. = 1734869.7	3.8 1.9 37.5
1462	X = 336280 Y = 1680220 Z = 277328	13 20 12	LAT. = 9 11 35.9 LONG. = 78 40 56.4 RAD. = 1735838.4	1.4 1.5 20.7
2271E	X = 338848 Y = 1681441 Z = 262898	13 20 12	LAT. = 8 42 50.4 LONG. = 78 36 22.4 RAD. = 1735274.8	1.4 1.5 20.8
T4449	X = 297192 Y = 1658623 Z = 417433	21 31 14	LAT. = 13 54 49.4 LONG. = 79 50 29.5 RAD. = 1735973.3	1.7 2.2 33.1

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D

TERRAIN POINTS ON MAP SHEET 63A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
412	X = 301057	14	LAT. = 13 11 7.8	1.5
	Y = 1663653	15	LONG. = 79 44 33.6	1.7
	Z = 396092	13	RAD. = 1736452.1	15.3
T4451	X = 312922	14	LAT. = 12 37 7.2	1.5
	Y = 1664022	21	LONG. = 79 20 59.3	1.7
	Z = 379052	14	RAD. = 1735099.0	21.8
U424F	X = 313174	14	LAT. = 11 14 29.7	1.7
	Y = 1674311	21	LONG. = 79 24 19.7	1.6
	Z = 338557	13	RAD. = 1736668.3	20.6
V3789	X = 314422	11	LAT. = 9 3 34.7	1.5
	Y = 1684865	19	LONG. = 79 25 45.5	1.4
	Z = 273292	11	RAD. = 1735603.3	18.5
22592	X = 298968	11	LAT. = 8 6 25.3	1.2
	Y = 1691911	16	LONG. = 79 58 44.6	1.3
	Z = 244740	10	RAD. = 1735466.1	16.4



MAP SHEET 63B

TERRAIN POINTS ON MAP SHEET 63B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4445	X = 279715 Y = 1646857 Z = 476265	15 23 14	LAT. = 15 54 48.8 LONG. = 80 21 37.6 RAD. = 1737011.0	2.0 1.7 21.5
T4447	X = 286177 Y = 1652655 Z = 451869	14 22 13	LAT. = 15 4 41.1 LONG. = 80 10 33.5 RAD. = 1737052.8	1.8 1.7 21.5
3259K	X = 280863 Y = 1689082 Z = 273549	16 23 16	LAT. = 9 4 36.3 LONG. = 80 33 32.9 RAD. = 1733986.7	2.2 1.7 22.6
22590	X = 285039 Y = 1690684 Z = 268225	29 37 19	LAT. = 8 53 28.8 LONG. = 80 25 48.9 RAD. = 1735397.0	2.8 2.9 37.6
V3778	X = 272191 Y = 1694898 Z = 256813	11 16 10	LAT. = 8 30 31.0 LONG. = 80 52 35.5 RAD. = 1735718.4	1.3 1.3 16.2
U414E	X = 241457 Y = 1685362 Z = 336086	13 22 15	LAT. = 11 9 59.7 LONG. = 81 50 48.8 RAD. = 1735425.4	2.0 1.5 20.3
T4299	X = 245238 Y = 1693344 Z = 292480	12 16 11	LAT. = 9 42 1.4 LONG. = 81 45 34.0 RAD. = 1735828.6	1.3 1.4 16.4
22578	X = 256102 Y = 1698016 Z = 264912	11 17 10	LAT. = 8 46 11.2 LONG. = 81 25 23.0 RAD. = 1737534.5	1.3 1.3 16.6
1460	X = 264416 Y = 1697602 Z = 255004	12 20 11	LAT. = 8 26 32.9 LONG. = 81 8 48.6 RAD. = 1736892.6	1.3 1.5 20.0
T4293	X = 217769 Y = 1675845 Z = 395094	13 22 13	LAT. = 13 9 32.3 LONG. = 82 35 46.1 RAD. = 1735505.4	1.6 1.6 21.4
410	X = 221913 Y = 1679669 Z = 375196	13 16 13	LAT. = 12 29 12.1 LONG. = 82 28 25.8 RAD. = 1735311.1	1.5 1.6 15.9
T4295	X = 233921 Y = 1681826 Z = 358924	17 34 16	LAT. = 11 56 7.5 LONG. = 82 4 54.1 RAD. = 1735536.0	1.7 2.3 33.7

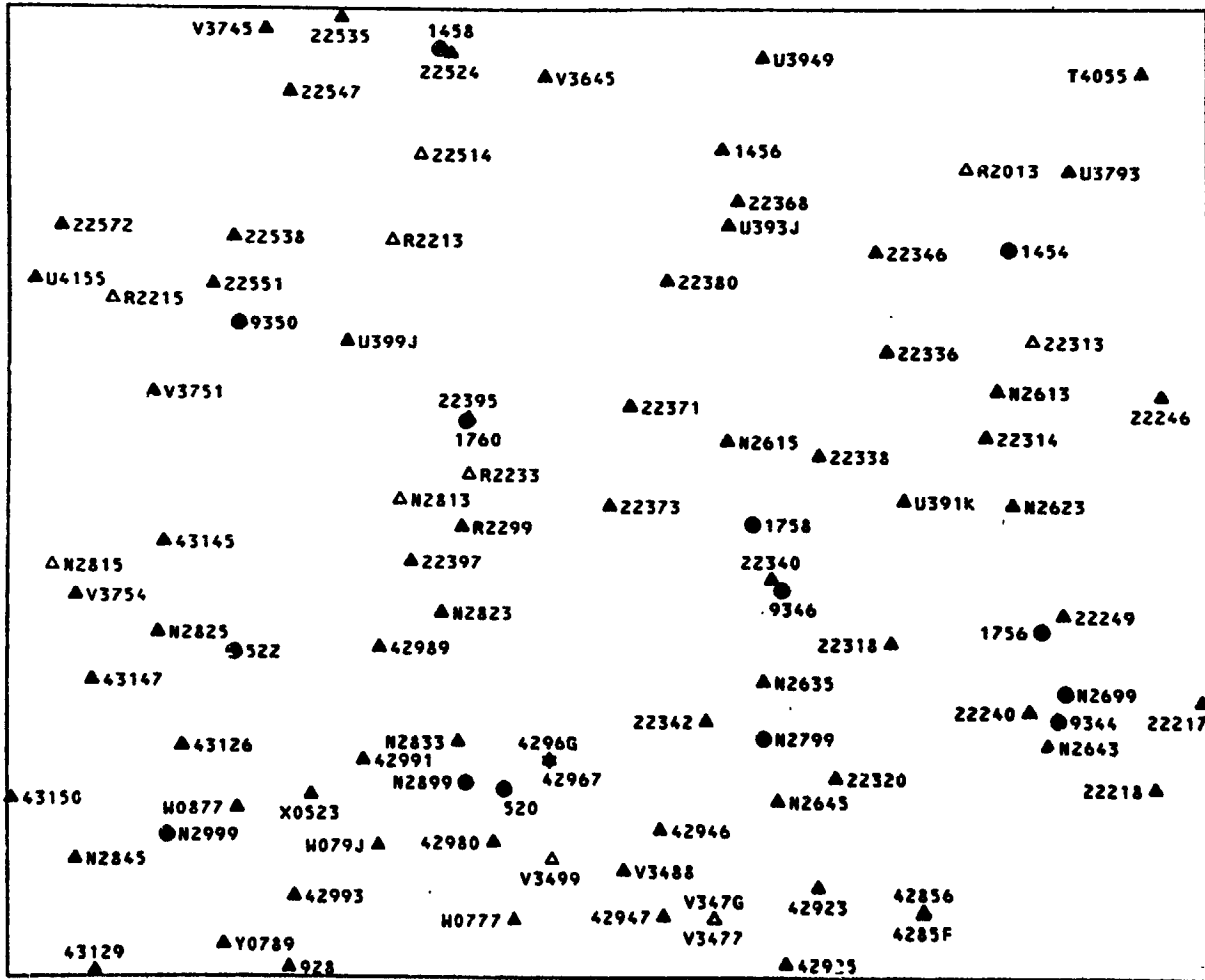
TERRAIN POINTS ON MAP SHEET 63B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4289	X = 198566 Y = 1663392 Z = 453153	14 23 15	LAT. = 15 8 11.9 LONG. = 83 11 33.3 RAD. = 1735410.1	2.1 1.7 22.0
T4251	X = 153346 Y = 1696143 Z = 337500	13 21 13	LAT. = 11 12 33.3 LONG. = 84 50 2.5 RAD. = 1736180.2	1.5 1.6 21.0
T4253	X = 160370 Y = 1698992 Z = 303162	11 15 10	LAT. = 10 4 23.9 LONG. = 84 36 27.9 RAD. = 1733262.7	1.3 1.3 14.9
T4255	X = 165500 Y = 1703819 Z = 273191	13 20 18	LAT. = 9 4 2.4 LONG. = 84 27 7.2 RAD. = 1733499.7	2.0 1.6 21.6
T4245	X = 125069 Y = 1677862 Z = 425810	13 23 15	LAT. = 14 12 7.8 LONG. = 85 44 13.3 RAD. = 1735562.2	2.0 1.6 21.3
T4249	X = 138317 Y = 1689750 Z = 371254	13 21 13	LAT. = 12 21 5.4 LONG. = 85 19 13.4 RAD. = 1735574.2	1.5 1.6 21.2
408	X = 143255 Y = 1693805 Z = 352033	13 16 13	LAT. = 11 42 1.2 LONG. = 85 9 56.4 RAD. = 1735921.6	1.5 1.6 16.2
T4220	X = 117566 Y = 1704902 Z = 291596	11 17 11	LAT. = 9 40 59.0 LONG. = 86 3 19.0 RAD. = 1733649.1	1.4 1.4 17.2
U394E	X = 96032 Y = 1710875 Z = 283783	12 22 14	LAT. = 9 24 12.2 LONG. = 86 47 14.5 RAD. = 1736907.4	1.9 1.5 20.3
T4099	X = 97284 Y = 1714953 Z = 254205	13 21 18	LAT. = 8 25 5.3 LONG. = 86 45 11.8 RAD. = 1736418.1	2.0 1.6 21.8
406	X = 65556 Y = 1702856 Z = 328110	13 16 13	LAT. = 10 53 54.0 LONG. = 87 47 43.2 RAD. = 1735416.8	1.5 1.5 16.2
T4095	X = 76876 Y = 1704594 Z = 317241	13 21 13	LAT. = 10 31 55.9 LONG. = 87 25 3.9 RAD. = 1735566.5	1.5 1.5 21.7

TERRAIN POINTS ON MAP SHEET 63B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4089	X = 47239	13	LAT. = 13 43 38.8	2.1
	Y = 1685464	24	LONG. = 88 23 40.5	1.6
	Z = 411889	15	RAD. = 1735705.6	22.1
T4075	X = 36957	11	LAT. = 8 58 31.8	1.4
	Y = 1711666	17	LONG. = 88 45 47.2	1.3
	Z = 270414	11	RAD. = 1733288.7	16.4
U3918	X = 26432	12	LAT. = 8 35 29.1	1.9
	Y = 1712831	22	LONG. = 89 6 57.2	1.4
	Z = 258809	14	RAD. = 1732475.9	20.9

O



MAP SHEET 63C

○ RANGE
OBSERVATION

▲ < 30M
△ < 100M
▽ > 100M

TERRAIN POINTS ON MAP SHEET 63C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
22572	X = 286472	12	LAT. = 6 12 40.5	1.4
	Y = 1700248	18	LONG. = 80 26 10.1	1.4
	Z = 187652	11	RAD. = 1734393.8	18.3
U4155	X = 293390	12	LAT. = 5 46 12.9	1.9
	Y = 1700765	20	LONG. = 80 12 45.1	1.6
	Z = 174403	17	RAD. = 1734675.0	20.6
R2215	X = 274175	21	LAT. = 5 36 42.6	3.6
	Y = 1704090	39	LONG. = 80 51 35.6	2.6
	Z = 169596	28	RAD. = 1734317.9	36.3
N2815	X = 290289	19	LAT. = 3 24 13.4	2.5
	Y = 1710137	36	LONG. = 80 21 57.9	2.2
	Z = 103167	20	RAD. = 1737664.7	36.2
V3754	X = 284080	12	LAT. = 3 9 37.0	1.7
	Y = 1708993	20	LONG. = 80 33 44.0	1.5
	Z = 95654	15	RAD. = 1735081.6	19.9
43147	X = 280115	10	LAT. = 2 27 35.3	1.1
	Y = 1710165	14	LONG. = 80 41 52.4	1.2
	Z = 74444	10	RAD. = 1734552.4	13.7
43150	X = 300661	10	LAT. = 1 28 56.2	1.1
	Y = 1710386	15	LONG. = 80 1 48.3	1.2
	Z = 44937	9	RAD. = 1737191.9	14.5
N2845	X = 284509	15	LAT. = 0 58 23.1	1.8
	Y = 1710472	22	LONG. = 80 33 22.5	1.8
	Z = 29451	15	RAD. = 1734222.3	21.7
43129	X = 279872	9	LAT. = 0 2 46.0	.9
	Y = 1713046	13	LONG. = 80 43 16.2	1.1
	Z = 1397	8	RAD. = 1735758.7	12.5
22538	X = 244270	15	LAT. = 6 7 23.5	1.7
	Y = 1709967	21	LONG. = 81 52 12.9	1
	Z = 185306	14	RAD. = 1737237.2	21
22551	X = 249712	11	LAT. = 5 43 54.2	1.2
	Y = 1710749	18	LONG. = 81 41 43.3	1.3
	Z = 173531	10	RAD. = 1737564.8	17.9
9350	X = 243352	15	LAT. = 5 24 42.1	1.7
	Y = 1712546	15	LONG. = 81 54 44.8	1.8
	Z = 163866	14	RAD. = 1737493.7	14.7

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V3751	X = 264742 Y = 1710247 Z = 146518	12 19 11	LAT. = 4 50 21.3 LONG. = 81 12 2.1 RAD. = 1736807.9	1.3 1.4 19.5
431+5	X = 262565 Y = 1714795 Z = 109163	11 15 10	LAT. = 3 36 2.4 LONG. = 81 17 40.7 RAD. = 1738211.4	1.2 1.3 15.3
N2825	X = 263587 Y = 1711830 Z = 86323	17 25 17	LAT. = 2 51 11.7 LONG. = 81 14 46.9 RAD. = 1734154.0	2.0 2.1 25.0
522	X = 245162 Y = 1717693 Z = 81603	13 13 12	LAT. = 2 41 33.6 LONG. = 81 52 37.9 RAD. = 1737018.4	1.4 1.5 13.0
43126	X = 258310 Y = 1716608 Z = 57975	11 16 11	LAT. = 1 54 46.0 LONG. = 81 26 33.1 RAD. = 1736901.6	1.4 1.2 16.2
W0877	X = 244282 Y = 1716269 Z = 42157	13 18 13	LAT. = 1 23 35.0 LONG. = 81 53 57.6 RAD. = 1734079.5	1.5 1.4 17.9
N2999	X = 261761 Y = 1714663 Z = 35566	15 14 15	LAT. = 1 10 28.8 LONG. = 81 19 12.8 RAD. = 1734893.1	1.7 1.8 14.3
Y0789	X = 247664 Y = 1716226 Z = 7956	10 16 11	LAT. = 0 15 46.3 LONG. = 81 47 18.5 RAD. = 1734021.7	1.3 1.2 15.7
22535	X = 216303 Y = 1705261 Z = 239386	15 22 16	LAT. = 7 55 41.9 LONG. = 82 46 15.4 RAD. = 1735513.7	2.1 1.6 21.5
V3745	X = 235310 Y = 1705011 Z = 236656	13 20 14	LAT. = 7 49 44.1 LONG. = 82 8 31.9 RAD. = 1737365.2	1.8 1.4 19.4
22547	X = 229677 Y = 1707181 Z = 221141	10 16 10	LAT. = 7 18 56.1 LONG. = 82 20 15.6 RAD. = 1736699.0	1.2 1.2 15.5
U399J	X = 216051 Y = 1716386 Z = 159147	12 19 16	LAT. = 5 15 22.4 LONG. = 82 49 32.1 RAD. = 1737234.9	1.8 1.5 20.0

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42991	X = 212426 Y = 1719852 Z = 54163	9 13 8	LAT. = 1 47 24.8 LONG. = 82 57 31.8 RAD. = 1733767.4	1.0 1.1 12.5
X0523	X = 225682 Y = 1718622 Z = 45470	15 29 22	LAT. = 1 30 9.5 LONG. = 82 31 8.3 RAD. = 1733972.8	2.7 1.6 29.2
42993	X = 230001 Y = 1718545 Z = 20095	10 15 10	LAT. = 0 39 50.4 LONG. = 82 22 37.7 RAD. = 1733984.6	1.2 1.3 15.3
928	X = 231344 Y = 1718325 Z = 2176	15 22 14	LAT. = 0 4 18.9 LONG. = 82 19 55.9 RAD. = 1733829.7	1.6 1.8 21.8
1458	X = 191682 Y = 1706905 Z = 231564	12 13 11	LAT. = 7 40 41.1 LONG. = 83 35 33.6 RAD. = 1733173.4	1.3 1.4 13.2
22524	X = 188852 Y = 1707385 Z = 230330	10 15 10	LAT. = 7 38 12.9 LONG. = 83 41 17.6 RAD. = 1733170.8	1.2 1.2 15.1
22514	X = 196937 Y = 1712718 Z = 205611	16 38 20	LAT. = 6 48 4.2 LONG. = 83 26 26.3 RAD. = 1736221.2	2.8 1.8 36.8
R2213	X = 204387 Y = 1714793 Z = 184274	20 37 27	LAT. = 6 5 26.7 LONG. = 83 12 10.6 RAD. = 1736734.8	3.6 2.5 34.4
22395	X = 185463 Y = 1720453 Z = 139766	10 16 10	LAT. = 4 37 3.9 LONG. = 83 50 50.4 RAD. = 1736055.4	1.2 1.2 16.0
1760	X = 186114 Y = 1720405 Z = 139121	12 12 12	LAT. = 4 35 47.3 LONG. = 83 49 32.6 RAD. = 1736026.5	1.4 1.5 12.0
R2233	X = 185587 Y = 1721720 Z = 125755	20 35 10	LAT. = 4 9 12.6 LONG. = 83 50 51.9 RAD. = 1736253.8	2.3 2.4 34.7
N2813	X = 202999 Y = 1719456 Z = 119421	27 43 22	LAT. = 3 56 44.3 LONG. = 83 16 .5 RAD. = 1735511.2	2.8 2.8 43.4

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R2299	X = 187390 Y = 1721555 Z = 112523	17 28 17	LAT. = 3 47 3.8 LONG. = 83 47 16.2 RAD. = 1735375.6	2.1 2.0 26.9
22397	X = 200250 Y = 1720774 Z = 103921	9 14 8	LAT. = 3 25 58.5 LONG. = 83 21 44.1 RAD. = 1735500.6	1.0 1.1 13.9
N2823	X = 192575 Y = 1720878 Z = 91097	16 24 15	LAT. = 3 0 41.2 LONG. = 83 36 53.5 RAD. = 1734013.8	1.8 1.9 24.2
42989	X = 208356 Y = 1719887 Z = 82358	10 14 9	LAT. = 2 43 18.1 LONG. = 83 5 33.2 RAD. = 1734418.7	1.0 1.2 13.4
N2833	X = 188604 Y = 1722355 Z = 58728	17 27 17	LAT. = 1 56 28.7 LONG. = 83 45 2.9 RAD. = 1733645.5	2.0 2.1 27.1
N2899	X = 186740 Y = 1723012 Z = 48615	14 14 13	LAT. = 1 36 24.4 LONG. = 83 48 51.9 RAD. = 1733783.3	1.6 1.6 14.1
W079J	X = 208741 Y = 1721093 Z = 32768	11 19 14	LAT. = 1 4 58.0 LONG. = 83 5 4.9 RAD. = 1734014.9	1.7 1.3 18.6
V3645	X = 165296 Y = 1710479 Z = 224294	10 16 10	LAT. = 7 26 10.6 LONG. = 84 28 48.9 RAD. = 1733022.9	1.3 1.2 15.8
4296G	X = 165725 Y = 1724662 Z = 54099	64 65 94	LAT. = 1 47 18.3 LONG. = 84 30 40.4 RAD. = 1733450.5	11.3 8.3 56.0
42967	X = 165748 Y = 1724786 Z = 54089	10 15 10	LAT. = 1 47 16.7 LONG. = 84 30 39.1 RAD. = 1733575.9	1.2 1.2 15.5
520	X = 177160 Y = 1724240 Z = 46915	14 13 14	LAT. = 1 33 1.6 LONG. = 84 8 1.1 RAD. = 1733952.2	1.6 1.7 12.7
42980	X = 179854 Y = 1724531 Z = 33603	9 13 9	LAT. = 1 6 36.9 LONG. = 84 2 45.8 RAD. = 1734209.5	1.0 1.1 12.8

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V3499	X = 165119 Y = 1725589 Z = 29341	13 30 26	LAT. = 0 58 10.9 LONG. = 84 32 2.8 RAD. = 1733719.5	3.1 1.5 30.3
W0777	X = 174573 Y = 1725065 Z = 14210	12 18 13	LAT. = 0 28 10.4 LONG. = 84 13 17.2 RAD. = 1733934.3	1.5 1.4 18.4
1456	X = 121222 Y = 1720785 Z = 206855	11 20 11	LAT. = 6 50 16.2 LONG. = 85 58 13.5 RAD. = 1737407.5	1.3 1.4 20.1
22380	X = 135419 Y = 1723003 Z = 174071	10 21 12	LAT. = 5 45 4.6 LONG. = 85 30 21.9 RAD. = 1737060.7	1.5 1.2 20.6
22371	X = 144885 Y = 1723535 Z = 142647	10 17 10	LAT. = 4 42 53.0 LONG. = 85 11 41.5 RAD. = 1735486.1	1.1 1.2 17.5
22373	X = 150152 Y = 1723400 Z = 117755	9 13 8	LAT. = 3 53 38.7 LONG. = 85 1 14.3 RAD. = 1733932.3	1.0 1.0 12.8
22342	X = 126114 Y = 1727687 Z = 63913	9 14 9	LAT. = 2 6 46.7 LONG. = 85 49 30.2 RAD. = 1733462.5	1.1 1.1 14.1
42946	X = 137944 Y = 1727669 Z = 36770	8 12 8	LAT. = 1 12 55.3 LONG. = 85 26 5.9 RAD. = 1733557.3	.9 1.0 12.1
V3488	X = 147108 Y = 1727145 Z = 26552	10 13 10	LAT. = 0 52 39.3 LONG. = 85 7 53.9 RAD. = 1733601.7	1.1 1.2 12.7
42947	X = 137164 Y = 1728242 Z = 15265	10 13 9	LAT. = 0 30 16.1 LONG. = 85 27 43.8 RAD. = 1733743.5	1.1 1.1 13.3
V347G	X = 124157 Y = 1729179 Z = 14619	13 35 33	LAT. = 0 28 59.3 LONG. = 85 53 35.3 RAD. = 1733692.2	3.9 1.6 34.3
V3477	X = 124387 Y = 1729113 Z = 14595	16 34 26	LAT. = 0 28 56.5 LONG. = 85 53 7.5 RAD. = 1733643.1	3.1 2.1 33.0

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
U3949	X = 110720 Y = 1717007 Z = 229382	12 21 11	LAT. = 7 35 37.5 LONG. = 86 18 37.5 RAD. = 1735795.7	1.4 1.4 20.4
22368	X = 117465 Y = 1722187 Z = 193894	11 28 18	LAT. = 6 24 31.9 LONG. = 86 5 53.0 RAD. = 1737044.1	2.4 1.3 26.5
U395J	X = 119720 Y = 1722064 Z = 187786	11 20 12	LAT. = 6 12 30.5 LONG. = 86 1 23.3 RAD. = 1736404.3	1.3 1.4 20.3
N2615	X = 120340 Y = 1724971 Z = 133968	17 28 18	LAT. = 4 25 48.7 LONG. = 86 0 33.5 RAD. = 1734345.1	2.2 2.1 27.1
22338	X = 97431 Y = 1725894 Z = 130181	10 15 9	LAT. = 4 18 24.2 LONG. = 86 46 8.2 RAD. = 1733536.8	1.1 1.1 15.3
1758	X = 114167 Y = 1726119 Z = 113178	11 11 10	LAT. = 3 44 35.7 LONG. = 86 12 57.3 RAD. = 1733589.1	1.2 1.3 11.4
22340	X = 109472 Y = 1727365 Z = 99367	9 15 9	LAT. = 3 17 8.7 LONG. = 86 22 25.4 RAD. = 1733680.2	1.0 1.1 15.2
9346	X = 106969 Y = 1727620 Z = 96750	12 12 12	LAT. = 3 11 57.2 LONG. = 86 27 24.9 RAD. = 1733629.9	1.4 1.4 11.9
N2635	X = 111739 Y = 1728515 Z = 73711	14 21 13	LAT. = 2 26 12.4 LONG. = 86 18 4.7 RAD. = 1733690.9	1.6 1.7 20.8
N2799	X = 111772 Y = 1728903 Z = 59686	14 14 14	LAT. = 1 58 23.2 LONG. = 86 18 3.7 RAD. = 1733540.1	1.6 1.7 13.8
22320	X = 93766 Y = 1730287 Z = 49669	9 14 8	LAT. = 1 58 20.7 LONG. = 86 20 53.3 RAD. = 1733537.9	1.0 1.0 14.2
N2645	X = 108327 Y = 1729635 Z = 43928	13 18 13	LAT. = 1 27 7.2 LONG. = 86 24 58.4 RAD. = 1733580.9	1.6 1.6 18.2

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

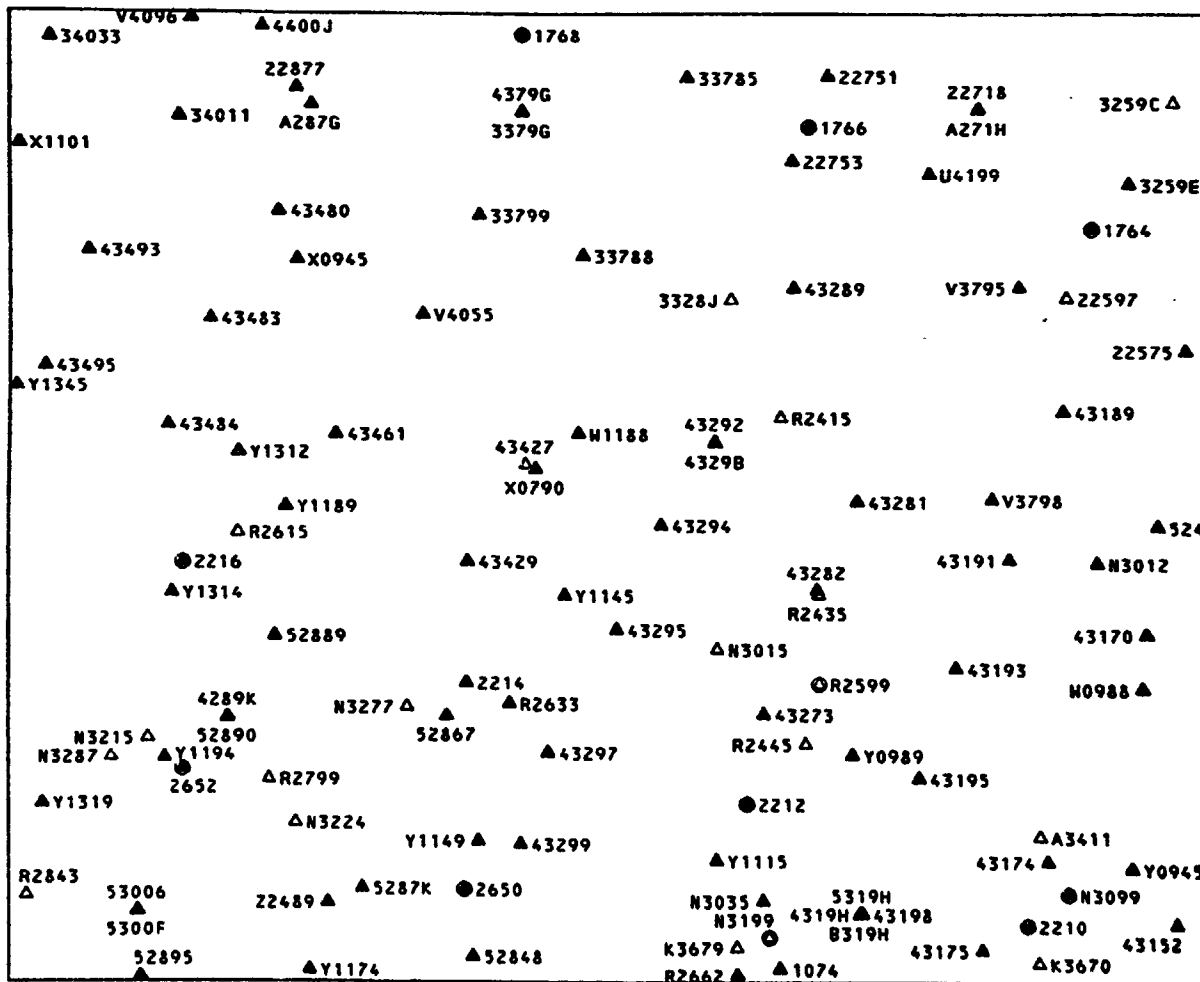
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42923	X = 93230 Y = 1730644 Z = 22430	8 12 8	LAT. = 0 44 28.9 LONG. = 86 45 5.2 RAD. = 1733574.2	1.0 1.0 12.3
42925	X = 106483 Y = 1730370 Z = 3324	8 12 8	LAT. = 0 6 35.5 LONG. = 86 28 42.9 RAD. = 1735646.7	.9 1.0 12.0
22346	X = 82809 Y = 1724354 Z = 181124	10 16 11	LAT. = 5 59 21.9 LONG. = 87 15 2.1 RAD. = 1735816.6	1.4 1.2 15.6
22336	X = 80194 Y = 1724927 Z = 156141	8 13 8	LAT. = 5 10 .4 LONG. = 87 20 17.4 RAD. = 1733835.6	1.0 1.0 13.0
U391K	X = 76122 Y = 1727742 Z = 118927	12 20 15	LAT. = 3 56 1.9 LONG. = 87 28 38.2 RAD. = 1733502.1	1.7 1.4 20.6
22318	X = 79607 Y = 1729995 Z = 83352	9 17 9	LAT. = 2 45 19.8 LONG. = 87 21 55.3 RAD. = 1733830.5	1.1 1.1 17.0
42856	X = 71713 Y = 1732036 Z = 16448	9 13 8	LAT. = 0 32 37.0 LONG. = 87 37 44.7 RAD. = 1733597.5	1.0 1.0 12.7
4285F	X = 71997 Y = 1732006 Z = 15880	11 19 14	LAT. = 0 31 29.5 LONG. = 87 37 10.8 RAD. = 1733574.9	1.7 1.4 19.3
R2013	X = 59914 Y = 1722737 Z = 201841	28 68 44	LAT. = 6 40 42.5 LONG. = 88 0 29.4 RAD. = 1735555.7	6.0 3.2 63.8
U3793	X = 34666 Y = 1723324 Z = 201335	11 20 11	LAT. = 6 39 44.2 LONG. = 88 50 51.4 RAD. = 1735391.5	1.4 1.3 20.3
1454	X = 49625 Y = 1724477 Z = 181856	13 13 13	LAT. = 6 1 2.8 LONG. = 88 21 6.0 RAD. = 1734749.8	1.5 1.6 12.9
22313	X = 44060 Y = 1727177 Z = 158845	14 43 23	LAT. = 5 15 10.5 LONG. = 88 32 19.4 RAD. = 1735025.9	3.1 1.7 40.9

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N2613	X = 52710	15	LAT. = 4 50 27.3	2.0
	Y = 1726959	25	LONG. = 88 15 6.3	1.8
	Z = 146327	16	RAD. = 1733948.2	24.0
22314	X = 55661	9	LAT. = 4 27 34.9	1.0
	Y = 1727345	15	LONG. = 88 9 15.7	1.1
	Z = 134792	9	RAD. = 1733490.1	14.6
N2623	X = 49140	15	LAT. = 3 54 8.4	1.8
	Y = 1728817	24	LONG. = 88 22 18.7	1.8
	Z = 117977	15	RAD. = 1733534.5	24.0
22249	X = 36860	9	LAT. = 2 59 25.7	1.0
	Y = 1730967	14	LONG. = 88 46 48.4	1.0
	Z = 90448	8	RAD. = 1733720.5	13.6
1756	X = 42384	11	LAT. = 2 51 38.9	1.2
	Y = 1731031	11	LONG. = 88 35 50.7	1.3
	Z = 86529	10	RAD. = 1733710.5	10.9
N2699	X = 36538	14	LAT. = 2 21 3.4	1.6
	Y = 1731949	13	LONG. = 88 47 29.1	1.6
	Z = 71121	14	RAD. = 1733793.6	13.0
22240	X = 45602	8	LAT. = 2 11 38.6	.9
	Y = 1731860	13	LONG. = 88 29 30.1	1.0
	Z = 66374	8	RAD. = 1733730.9	12.9
9344	X = 38340	12	LAT. = 2 7 29.3	1.4
	Y = 1732079	11	LONG. = 88 43 55.0	1.4
	Z = 64279	11	RAD. = 1733695.0	11.5
N2643	X = 41042	13	LAT. = 1 54 46.0	1.6
	Y = 1732257	18	LONG. = 88 38 34.0	1.6
	Z = 57868	13	RAD. = 1733708.8	18.0
T4055	X = 16409	13	LAT. = 7 27 54.4	2.0
	Y = 1720494	21	LONG. = 89 27 12.8	1.6
	Z = 225451	18	RAD. = 1735280.2	22.6
22246	X = 11901	9	LAT. = 4 48 3.7	1.3
	Y = 1727767	16	LONG. = 89 36 19.3	1.1
	Z = 145119	10	RAD. = 1733891.5	15.2
22217	X = 2202	9	LAT. = 2 16 39.5	1.1
	Y = 1732278	15	LONG. = 89 55 37.8	1.0
	Z = 68899	9	RAD. = 1733648.5	14.6

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
22218	X = 14079 Y = 1732972 Z = 47242	8 14 8	LAT. = 1 33 41.3 LONG. = 89 32 4.3 RAD. = 1733673.2	1.0 1.0 14.2



MAP SHEET 63D

○ RANGE
 OBSERVATION ▲ < 30M
 △ < 100M
 ▽ > 100M

TERRAIN POINTS ON MAP SHEET 63D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34033	X = 579423 Y = 1620644 Z = 235388	12 16 10	LAT. = 7 47 15.9 LONG. = 70 19 36.1 RAD. = 1737131.6	1.2 1.4 15.7
X1101	X = 587634 Y = 1621427 Z = 209385	15 18 13	LAT. = 6 55 20.4 LONG. = 70 4 42.9 RAD. = 1737291.0	1.7 1.6 17.8
43493	X = 572405 Y = 1630048 Z = 182976	11 13 9	LAT. = 6 2 44.7 LONG. = 70 39 3.1 RAD. = 1737292.6	1.0 1.4 12.7
43495	X = 583657 Y = 1629180 Z = 154192	14 20 12	LAT. = 5 5 29.5 LONG. = 70 17 23.4 RAD. = 1737428.7	1.5 1.6 19.7
Y1345	X = 589723 Y = 1624996 Z = 149117	15 17 13	LAT. = 4 55 48.5 LONG. = 70 3 13.6 RAD. = 1735113.8	1.6 1.6 18.0
N3287	X = 569688 Y = 1640290 Z = 56509	23 39 30	LAT. = 1 51 50.3 LONG. = 70 50 50.7 RAD. = 1737322.0	3.7 2.8 37.8
Y1319	X = 585946 Y = 1634062 Z = 44863	11 14 9	LAT. = 1 28 49.5 LONG. = 70 16 23.1 RAD. = 1736520.8	1.0 1.4 13.6
R2843	X = 590474 Y = 1634921 Z = 21739	25 34 20	LAT. = 0 42 59.4 LONG. = 70 8 31.6 RAD. = 1738418.7	2.4 2.6 35.8
V4096	X = 545859 Y = 1631249 Z = 240366	13 19 12	LAT. = 7 57 17.0 LONG. = 71 29 54.2 RAD. = 1736867.7	1.4 1.6 19.2
34011	X = 549757 Y = 1633722 Z = 216205	12 15 10	LAT. = 7 8 56.9 LONG. = 71 24 5.8 RAD. = 1737246.7	1.2 1.5 15.0
43483	X = 544091 Y = 1641498 Z = 166066	12 16 11	LAT. = 5 29 7.0 LONG. = 71 39 42.2 RAD. = 1737276.6	1.2 1.5 16.0
43484	X = 554790 Y = 1640344 Z = 139533	12 17 11	LAT. = 4 36 24.8 LONG. = 71 18 49.2 RAD. = 1737236.7	1.3 1.6 16.3

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y1312	X = 537840	23	LAT. = 4 22 57.9	2.3
	Y = 1645662	25	LONG. = 71 54 5.1	2.2
	Z = 132694	18	RAD. = 1736399.7	28.0
R2615	X = 537779	24	LAT. = 3 42 56.5	3.5
	Y = 1645103	40	LONG. = 71 53 51.4	2.7
	Z = 112400	28	RAD. = 1734417.7	39.0
2216	X = 551899	13	LAT. = 3 28 19.4	1.2
	Y = 1643708	13	LONG. = 71 26 23.2	1.5
	Z = 105200	10	RAD. = 1737076.7	12.5
Y1314	X = 554395	12	LAT. = 3 13 15.4	1.2
	Y = 1642664	18	LONG. = 71 21 2.1	1.5
	Z = 97564	10	RAD. = 1736438.8	17.7
4289K	X = 541010	14	LAT. = 2 11 18.0	2.0
	Y = 1647307	23	LONG. = 71 49 7.5	1.9
	Z = 66255	17	RAD. = 1735137.4	22.3
52890	X = 541168	16	LAT. = 2 11 6.5	1.7
	Y = 1647169	21	LONG. = 71 48 44.5	1.7
	Z = 66156	14	RAD. = 1735052.2	21.4
N3215	X = 560642	20	LAT. = 2 1 12.4	2.5
	Y = 1642185	31	LONG. = 71 9 .4	2.2
	Z = 61206	20	RAD. = 1736328.3	31.2
Y1194	X = 556681	13	LAT. = 1 51 19.3	1.2
	Y = 1643625	18	LONG. = 71 17 21.2	1.5
	Z = 56213	10	RAD. = 1736247.7	17.6
2652	X = 552462	13	LAT. = 1 45 46.7	1.2
	Y = 1645337	13	LONG. = 71 26 21.3	1.5
	Z = 53421	10	RAD. = 1736434.0	12.7
53006	X = 563918	11	LAT. = 0 34 49.9	1.1
	Y = 1643402	14	LONG. = 71 3 38.9	1.4
	Z = 17605	9	RAD. = 1737551.6	13.7
5300F	X = 563923	15	LAT. = 0 34 45.5	1.4
	Y = 1643402	22	LONG. = 71 3 38.4	1.7
	Z = 17567	12	RAD. = 1737552.8	21.7
52895	X = 563178	13	LAT. = 0 2 24.7	1.3
	Y = 1643751	19	LONG. = 71 5 15.4	1.6
	Z = 1219	11	RAD. = 1737552.0	19.2

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
4400J	X = 529122 Y = 1637116 Z = 238470	18 21 15	LAT. = 7 53 28.3 LONG. = 72 5 20.3 RAD. = 1736947.5	2.0 1.9 21.3
22877	X = 521577 Y = 1641950 Z = 223312	12 18 11	LAT. = 7 23 8.1 LONG. = 72 22 37.9 RAD. = 1737213.4	1.2 1.5 17.6
A287G	X = 518222 Y = 1643647 Z = 219214	14 21 12	LAT. = 7 14 56.3 LONG. = 72 30 2.1 RAD. = 1737291.7	1.5 1.7 21.4
43480	X = 526915 Y = 1644381 Z = 192792	12 17 10	LAT. = 6 22 14.7 LONG. = 72 13 58.0 RAD. = 1737468.2	1.2 1.5 16.9
X0945	X = 522961 Y = 1647033 Z = 180699	15 18 13	LAT. = 5 58 10.4 LONG. = 72 23 4.0 RAD. = 1737485.9	1.7 1.6 17.7
43461	X = 514862 Y = 1654444 Z = 137205	12 17 11	LAT. = 4 31 39.1 LONG. = 72 42 50.0 RAD. = 1738129.2	1.3 1.4 17.5
Y1189	X = 526598 Y = 1649752 Z = 119018	13 17 11	LAT. = 3 55 53.6 LONG. = 72 17 49.3 RAD. = 1735843.2	1.4 1.5 17.1
52889	X = 530110 Y = 1652275 Z = 86777	13 16 11	LAT. = 2 51 46.5 LONG. = 72 12 42.7 RAD. = 1737400.7	1.3 1.6 16.3
R2799	X = 531420 Y = 1651089 Z = 50753	24 37 20	LAT. = 1 40 33.7 LONG. = 72 9 31.2 RAD. = 1735245.5	2.4 2.6 38.7
N3224	X = 525970 Y = 1655640 Z = 39806	20 29 17	LAT. = 1 18 45.5 LONG. = 72 22 32.9 RAD. = 1737634.3	2.0 2.2 30.2
5287K	X = 509654 Y = 1660067 Z = 23406	12 18 12	LAT. = 0 46 19.9 LONG. = 72 55 59.1 RAD. = 1736697.1	1.4 1.5 17.6
22489	X = 517996 Y = 1657791 Z = 19807	14 17 13	LAT. = 0 39 12.2 LONG. = 72 38 52.7 RAD. = 1736946.1	1.6 1.5 17.3

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y1174	X = 522337 Y = 1656238 Z = 2915	11 13 8	LAT. = 0 5 46.2 LONG. = 72 29 45.6 RAD. = 1736654.3	1.0 1.3 12.9
33799	X = 478560 Y = 1658813 Z = 191538	11 14 9	LAT. = 6 19 50.2 LONG. = 73 54 26.6 RAD. = 1737057.4	1.1 1.3 13.6
V4055	X = 493343 Y = 1659156 Z = 167167	13 19 15	LAT. = 5 30 58.5 LONG. = 73 26 25.4 RAD. = 1739002.5	1.7 1.6 19.4
43429	X = 483297 Y = 1664779 Z = 105179	11 15 9	LAT. = 3 28 19.5 LONG. = 73 48 41.8 RAD. = 1736700.7	1.1 1.3 14.9
2214	X = 484050 Y = 1666316 Z = 74786	12 18 10	LAT. = 2 28 4.4 LONG. = 73 48 6.8 RAD. = 1736809.7	1.2 1.5 17.6
N3277	X = 498595 Y = 1662680 Z = 68775	23 39 30	LAT. = 2 16 8.1 LONG. = 73 18 26.4 RAD. = 1737190.7	3.7 2.8 37.4
52867	X = 489046 Y = 1665886 Z = 66499	11 14 8	LAT. = 2 11 36.4 LONG. = 73 38 22.6 RAD. = 1737459.1	1.0 1.3 14.3
Y1149	X = 481212 Y = 1667368 Z = 35153	13 17 10	LAT. = 1 9 37.5 LONG. = 73 54 5.6 RAD. = 1735775.5	1.2 1.5 17.7
2650	X = 484569 Y = 1666459 Z = 23098	12 13 10	LAT. = 0 45 45.1 LONG. = 73 47 12.4 RAD. = 1735634.4	1.2 1.5 12.4
52848	X = 482623 Y = 1667657 Z = 6417	11 14 9	LAT. = 0 12 42.4 LONG. = 73 51 34.1 RAD. = 1736100.4	1.0 1.3 13.6
1768	X = 467048 Y = 1657735 Z = 236733	13 13 11	LAT. = 7 49 35.3 LONG. = 74 15 55.5 RAD. = 1738465.4	1.3 1.6 13.1
4379G	X = 467310 Y = 1658865 Z = 217388	17 22 17	LAT. = 7 11 20.9 LONG. = 74 16 2.0 RAD. = 1737086.7	2.2 1.8 21.9

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
3379G	X = 467425	13	LAT. = 7 11 4.6	1.4
	Y = 1658920	19	LONG. = 74 15 50.6	1.6
	Z = 217260	12	RAD. = 1737154.0	19.5
33788	X = 453600	11	LAT. = 5 59 40.2	1.2
	Y = 1667742	16	LONG. = 74 47 4.2	1.4
	Z = 181487	10	RAD. = 1737830.0	16.0
W1188	X = 455027	14	LAT. = 4 31 32.5	1.6
	Y = 1668637	18	LONG. = 74 44 48.0	1.5
	Z = 136900	13	RAD. = 1734976.1	18.0
43427	X = 468869	17	LAT. = 4 16 21.4	1.7
	Y = 1668066	35	LONG. = 74 18 .4	1.8
	Z = 129450	14	RAD. = 1737538.5	36.0
X0790	X = 466244	13	LAT. = 4 14 11.3	1.5
	Y = 1668277	17	LONG. = 74 23 8.1	1.5
	Z = 128313	12	RAD. = 1736950.4	17.6
Y1145	X = 459886	12	LAT. = 3 11 21.6	1.3
	Y = 1672729	16	LONG. = 74 37 38.7	1.3
	Z = 96666	11	RAD. = 1737487.3	15.6
R2633	X = 473494	18	LAT. = 2 17 36.7	2.1
	Y = 1669115	30	LONG. = 74 9 44.8	2.2
	Z = 69488	17	RAD. = 1736367.3	29.3
43297	X = 464226	10	LAT. = 1 53 17.7	1.0
	Y = 1672421	13	LONG. = 74 29 11.6	1.2
	Z = 57221	8	RAD. = 1736597.5	12.9
43299	X = 470853	10	LAT. = 1 8 14.0	1.0
	Y = 1670423	14	LONG. = 74 15 29.1	1.3
	Z = 34452	8	RAD. = 1735858.0	13.3
33785	X = 426565	11	LAT. = 7 28 8.4	1.2
	Y = 1668836	15	LONG. = 75 39 42.6	1.4
	Z = 225822	10	RAD. = 1737229.4	14.9
43292	X = 421653	12	LAT. = 4 27 38.4	1.2
	Y = 1677619	18	LONG. = 75 53 29.5	1.4
	Z = 134943	10	RAD. = 1735052.1	17.8
43298	X = 421579	13	LAT. = 4 27 2.1	1.9
	Y = 1677685	20	LONG. = 75 53 40.0	1.6
	Z = 134641	16	RAD. = 1735075.0	20.2

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
43294	X = 435007	11	LAT. = 3 46 20.3	1.2
	Y = 1674416	15	LONG. = 75 26 12.2	1.4
	Z = 114066	10	RAD. = 1733756.0	15.0
43295	X = 447260	11	LAT. = 2 54 18.2	1.1
	Y = 1676773	14	LONG. = 75 3 53.0	1.3
	Z = 88065	9.	RAD. = 1737631.6	13.8
N3015	X = 422231	21	LAT. = 2 44 37.9	2.6
	Y = 1681898	39	LONG. = 75 54 26.8	2.6
	Z = 83108	21	RAD. = 1736077.9	38.0
Y1115	X = 423226	13	LAT. = 1 0 2.9	1.1
	Y = 1684956	18	LONG. = 75 54 .7	1.4
	Z = 30349	9	RAD. = 1737561.3	18.7
22751	X = 391716	11	LAT. = 7 28 55.8	1.1
	Y = 1675611	15	LONG. = 76 50 31.1	1.3
	Z = 226001	9	RAD. = 1735566.6	14.8
1766	X = 396968	13	LAT. = 7 3 52.3	1.3
	Y = 1676079	14	LONG. = 76 40 31.4	1.5
	Z = 213460	11	RAD. = 1735623.4	13.5
22753	X = 401586	12	LAT. = 6 46 50.8	1.3
	Y = 1677486	18	LONG. = 76 32 12.9	1.5
	Z = 205093	11	RAD. = 1737035.4	17.8
43289	X = 401807	12	LAT. = 5 43 47.1	1.2
	Y = 1679894	16	LONG. = 76 32 54.2	1.4
	Z = 173311	10	RAD. = 1735951.7	15.3
3328J	X = 417349	21	LAT. = 5 38 4.4	2.3
	Y = 1677695	40	LONG. = 76 1 49.7	3.2
	Z = 170565	22	RAD. = 1737220.0	36.9
R2415	X = 405953	21	LAT. = 4 39 44.4	3.4
	Y = 1683038	38	LONG. = 76 26 20.9	2.6
	Z = 141193	27	RAD. = 1737052.6	36.2
43282	X = 397730	12	LAT. = 3 14 5.2	1.2
	Y = 1687701	16	LONG. = 76 44 21.9	1.4
	Z = 97998	10	RAD. = 1736700.0	16.6
R2435	X = 397326	19	LAT. = 3 11 53.3	2.3
	Y = 1688044	32	LONG. = 76 45 18.0	2.3
	Z = 96899	19	RAD. = 1736879.8	31.3

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R2599	X = 397382 Y = 1688518 Z = 74496	24 17 23	LAT. = 2 27 32.8 LONG. = 76 45 24.4 RAD. = 1736247.8	2.7 2.9 15.7
43273	X = 411393 Y = 1686317 Z = 66903	10 13 8	LAT. = 2 12 26.3 LONG. = 76 17 23.9 RAD. = 1737062.3	1.0 1.2 13.2
R2445	X = 400947 Y = 1688425 Z = 59439	19 39 18	LAT. = 1 57 42.1 LONG. = 76 38 29.5 RAD. = 1736395.3	2.1 2.6 37.1
2212	X = 415282 Y = 1684397 Z = 44481	12 12 10	LAT. = 1 28 7.4 LONG. = 76 9 5 RAD. = 1735404.9	1.2 1.4 12.1
N3035	X = 411824 Y = 1687184 Z = 20288	16 21 14	LAT. = 0 40 9.4 LONG. = 76 16 58.5 RAD. = 1736836.1	1.7 1.8 21.1
N3199	X = 410103 Y = 1686893 Z = 11115	24 17 22	LAT. = 0 22 6 LONG. = 76 20 9.0 RAD. = 1736063.1	2.6 2.8 17.5
K3679	X = 417883 Y = 1684590 Z = 8568	23 41 35	LAT. = 0 16 58.2 LONG. = 76 4 5.9 RAD. = 1735668.3	4.1 2.8 41.0
1074	X = 407504 Y = 1687532 Z = 3252	14 22 12	LAT. = 0 6 26.4 LONG. = 76 25 27.0 RAD. = 1736039.5	1.4 1.6 21.9
R2662	X = 417786 Y = 1684683 Z = 1672	17 22 15	LAT. = 0 3 18.7 LONG. = 76 4 19.8 RAD. = 1735714.9	1.8 1.9 22.6
U4199	X = 367778 Y = 1685180 Z = 201855	13 20 17	LAT. = 6 40 29.4 LONG. = 77 41 19.2 RAD. = 1736616.5	1.9 1.6 20.8
43281	X = 387610 Y = 1689050 Z = 120218	15 19 12	LAT. = 3 58 6.1 LONG. = 77 4 31.2 RAD. = 1737119.8	1.5 1.6 20.3
43193	X = 363671 Y = 1695903 Z = 78493	10 14 9	LAT. = 2 35 28.1 LONG. = 77 53 48.2 RAD. = 1736232.6	1.0 1.2 13.6

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y0989	X = 389434 Y = 1691202 Z = 56731	13 17 13	LAT. = 1 52 20.3 LONG. = 77 1 57.1 RAD. = 1736387.8	1.5 1.5 17.4
43195	X = 373173 Y = 1695310 Z = 50969	10 15 9	LAT. = 1 40 54.5 LONG. = 77 35 9.5 RAD. = 1736644.1	1.1 1.2 15.4
5319H	X = 387505 Y = 1693259 Z = 17253	17 21 17	LAT. = 0 34 8.7 LONG. = 77 6 35.1 RAD. = 1737119.6	2.1 1.8 21.8
4319H	X = 387575 Y = 1693352 Z = 17092	19 35 26	LAT. = 0 33 49.4 LONG. = 77 6 29.4 RAD. = 1737224.1	3.0 1.8 36.4
43198	X = 387578 Y = 1693292 Z = 17057	14 25 13	LAT. = 0 33 45.3 LONG. = 77 6 27.5 RAD. = 1737166.2	1.6 1.9 23.5
B319H	X = 388027 Y = 1692934 Z = 17021	15 21 12	LAT. = 0 33 41.3 LONG. = 77 5 26.1 RAD. = 1736916.7	1.4 1.6 21.6
22718	X = 354990 Y = 1685190 Z = 217936	11 18 12	LAT. = 7 12 44.2 LONG. = 78 6 15.9 RAD. = 1735908.6	1.3 1.4 17.9
A271H	X = 355223 Y = 1685336 Z = 217784	16 42 28	LAT. = 7 12 23.4 LONG. = 78 5 52.1 RAD. = 1736079.3	3.8 1.9 38.6
V3795	X = 346142 Y = 1691974 Z = 173592	12 20 12	LAT. = 5 44 23.4 LONG. = 78 26 16.9 RAD. = 1735719.9	1.3 1.5 20.0
22597	X = 334494 Y = 1694176 Z = 170983	27 74 49	LAT. = 5 39 16.5 LONG. = 78 49 52.7 RAD. = 1735324.9	6.5 4.3 65.7
43189	X = 335994 Y = 1696898 Z = 142771	11 15 10	LAT. = 4 43 5.4 LONG. = 78 48 .1 RAD. = 1735724.4	1.2 1.3 14.4
V3798	X = 353844 Y = 1694485 Z = 120683	12 20 15	LAT. = 3 59 17.0 LONG. = 78 12 17.8 RAD. = 1735237.2	1.7 1.6 20.2

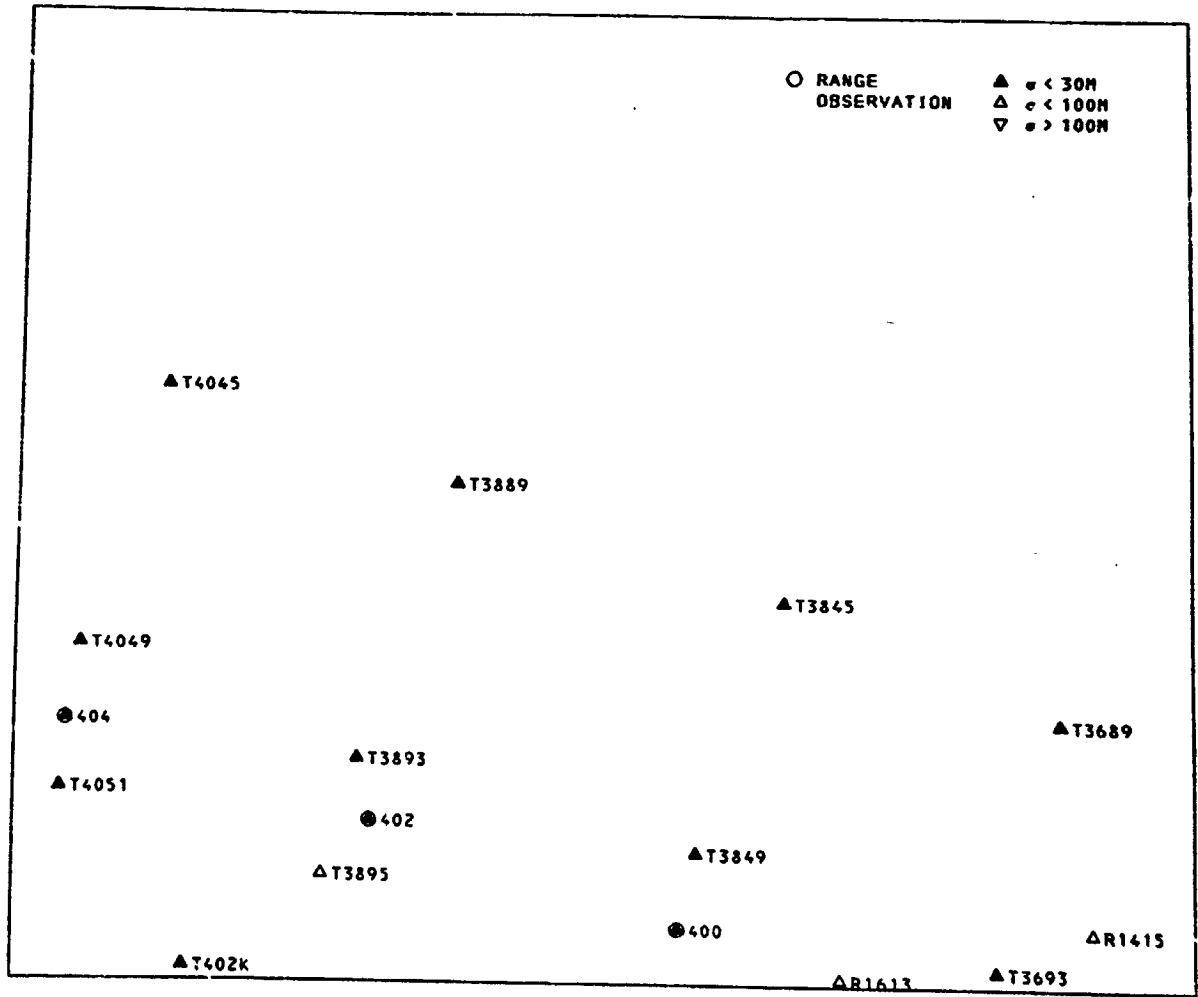
TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
43191	X = 349897	12	LAT. = 3 29 26.2	1.7
	Y = 1696848	19	LONG. = 78 20 55.3	1.4
	Z = 105682	13	RAD. = 1735767.9	18.5
A3411	X = 343362	17	LAT. = 1 12 22.4	3.9
	Y = 1702730	36	LONG. = 78 35 56.3	1.8
	Z = 36574	33	RAD. = 1737390.1	37.1
43174	X = 341517	10	LAT. = 0 59 57.9	1.0
	Y = 1703571	14	LONG. = 78 39 50.8	1.2
	Z = 70310	8	RAD. = 1737730.3	13.6
N3099	X = 336622	15	LAT. = 0 43 51.7	1.7
	Y = 1704771	15	LONG. = 78 49 48.6	1.8
	Z = 22172	14	RAD. = 1737829.2	15.1
2210	X = 346615	11	LAT. = 0 28 21.4	1.2
	Y = 1702643	12	LONG. = 78 29 35.8	1.4
	Z = 14333	10	RAD. = 1737625.5	12.0
43175	X = 357819	10	LAT. = 0 15 57.7	1.0
	Y = 1699723	13	LONG. = 78 6 42.8	1.2
	Z = 8065	8	RAD. = 1736996.6	13.4
K3670	X = 344170	38	LAT. = 0 9 44.1	6.1
	Y = 1705133	67	LONG. = 78 35 18.7	3.6
	Z = 4926	51	RAD. = 1739527.6	71.2
3259C	X = 307068	23	LAT. = 7 16 2.6	1.7
	Y = 1694629	35	LONG. = 79 43 45.9	2.3
	Z = 219626	14	RAD. = 1736171.8	37.2
3259E	X = 318478	13	LAT. = 6 35 46.8	1.5
	Y = 1694882	22	LONG. = 79 21 28.4	1.6
	Z = 199425	12	RAD. = 1736036.6	22.2
1764	X = 327739	12	LAT. = 6 13 33.2	1.3
	Y = 1693153	13	LONG. = 79 2 41.6	1.5
	Z = 188138	11	RAD. = 1734812.7	12.9
22575	X = 305285	11	LAT. = 5 13 18.0	1.3
	Y = 1700347	18	LONG. = 79 49 17.0	1.4
	Z = 157876	11	RAD. = 1734734.4	18.0
524	X = 313270	15	LAT. = 3 46 15.5	1.7
	Y = 1703380	22	LONG. = 79 34 44.8	1.8
	Z = 114155	14	RAD. = 1735705.1	21.9

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TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N3012	X = 328298	17	LAT. = 3 27 56.1	2.2
	Y = 1701533	29	LONG. = 79 4 45.8	2.0
	Z = 104945	18	RAD. = 1736089.5	27.9
43170	X = 316441	10	LAT. = 2 52 37.1	1.0
	Y = 1705062	13	LONG. = 79 29 10.1	1.1
	Z = 87151	8	RAD. = 1736365.8	12.5
W0988	X = 317514	13	LAT. = 2 25 39.4	1.5
	Y = 1705528	17	LONG. = 79 27 14.8	1.4
	Z = 73549	12	RAD. = 1736389.7	17.3
Y0945	X = 320729	13	LAT. = 0 56 44.4	1.6
	Y = 1707191	17	LONG. = 79 21 35.7	1.4
	Z = 28673	13	RAD. = 1737294.1	17.4
43152	X = 309718	9	LAT. = 0 29 25.6	1.0
	Y = 1709185	14	LONG. = 79 43 44.4	1.1
	Z = 14869	8	RAD. = 1737083.3	13.4



MAP SHEET 64A

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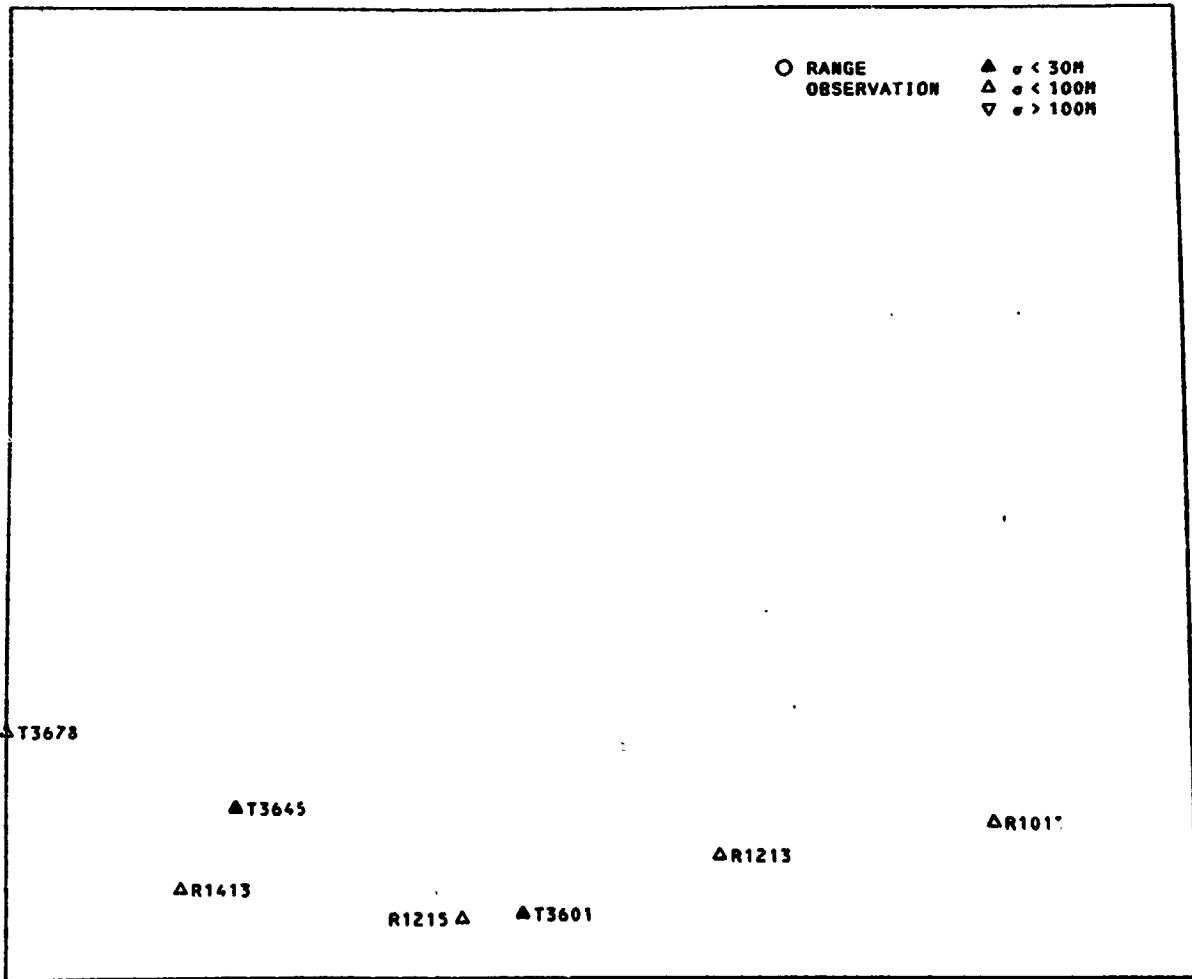
TERRAIN POINTS ON MAP SHEET 64A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4049	X = -16418 Y = 1704618 Z = 324497	13 23 13	LAT. = 10 46 39.3 LONG. = 90 33 6.6 RAD. = 1735306.6	1.6 1.5 22.4
404	X = -12962 Y = 1708203 Z = 306051	13 16 13	LAT. = 10 9 26.5 LONG. = 90 26 5.1 RAD. = 1735451.8	1.5 1.5 16.5
T4051	X = -11786 Y = 1712061 Z = 289300	12 22 14	LAT. = 9 35 27.2 LONG. = 90 23 39.9 RAD. = 1736371.2	1.5 1.5 22.2
T4045	X = -37612 Y = 1691122 Z = 388155	13 24 15	LAT. = 12 55 25.8 LONG. = 91 16 26.8 RAD. = 1735503.3	2.1 1.6 22.4
T402K	X = -43623 Y = 1717059 Z = 244927	11 21 15	LAT. = 8 6 55.8 LONG. = 91 27 19.1 RAD. = 1734988.2	2.0 1.4 20.1
T3893	X = -87471 Y = 1707521 Z = 296564	13 22 13	LAT. = 9 50 25.0 LONG. = 92 55 57.1 RAD. = 1735289.6	1.5 1.5 21.9
T3895	X = -78776 Y = 1711080 Z = 267646	15 34 18	LAT. = 8 52 51.1 LONG. = 92 38 9.5 RAD. = 1733677.1	1.8 1.9 35.2
T3889	X = -111700 Y = 1693050 Z = 364289	13 24 16	LAT. = 12 7 3.0 LONG. = 93 46 28.7 RAD. = 1735396.8	2.1 1.6 22.0
402	X = -90952 Y = 1710284 Z = 281408	12 17 13	LAT. = 9 19 50.5 LONG. = 93 2 38.8 RAD. = 1735665.1	1.5 1.5 16.6
T3849	X = -173831 Y = 1705089 Z = 273941	13 23 13	LAT. = 9 4 51.3 LONG. = 95 49 16.0 RAD. = 1735680.9	1.5 1.5 22.4
400	X = -169406 Y = 1708476 Z = 255307	13 16 13	LAT. = 8 27 29.8 LONG. = 95 39 45.8 RAD. = 1735733.0	1.5 1.5 16.5
T3845	X = -194728 Y = 1692430 Z = 336026	13 24 15	LAT. = 11 9 29.1 LONG. = 96 33 48.5 RAD. = 1736419.3	2.0 1.6 22.4

TERRAIN POINTS ON MAP SHEET 64A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1613	X = -210550	21	LAT. = 8 3 4.9	3.5
	Y = 1706289	38	LONG. = 97 2 4.4	2.5
	Z = 243194	26	RAD. = 1736346.0	35.7
T3689	X = -264285	13	LAT. = 10 10 29.5	2.0
	Y = 1690226	23	LONG. = 98 53 12.7	1.6
	Z = 307040	15	RAD. = 1738098.2	22.1
T3693	X = -249731	13	LAT. = 8 7 49.5	1.5
	Y = 1702927	22	LONG. = 98 20 34.3	1.5
	Z = 245887	13	RAD. = 1738615.9	22.1
R1415	X = -273418	22	LAT. = 8 27 37.3	3.6
	Y = 1697033	37	LONG. = 99 9 9.3	2.5
	Z = 255678	27	RAD. = 1737828.8	35.0

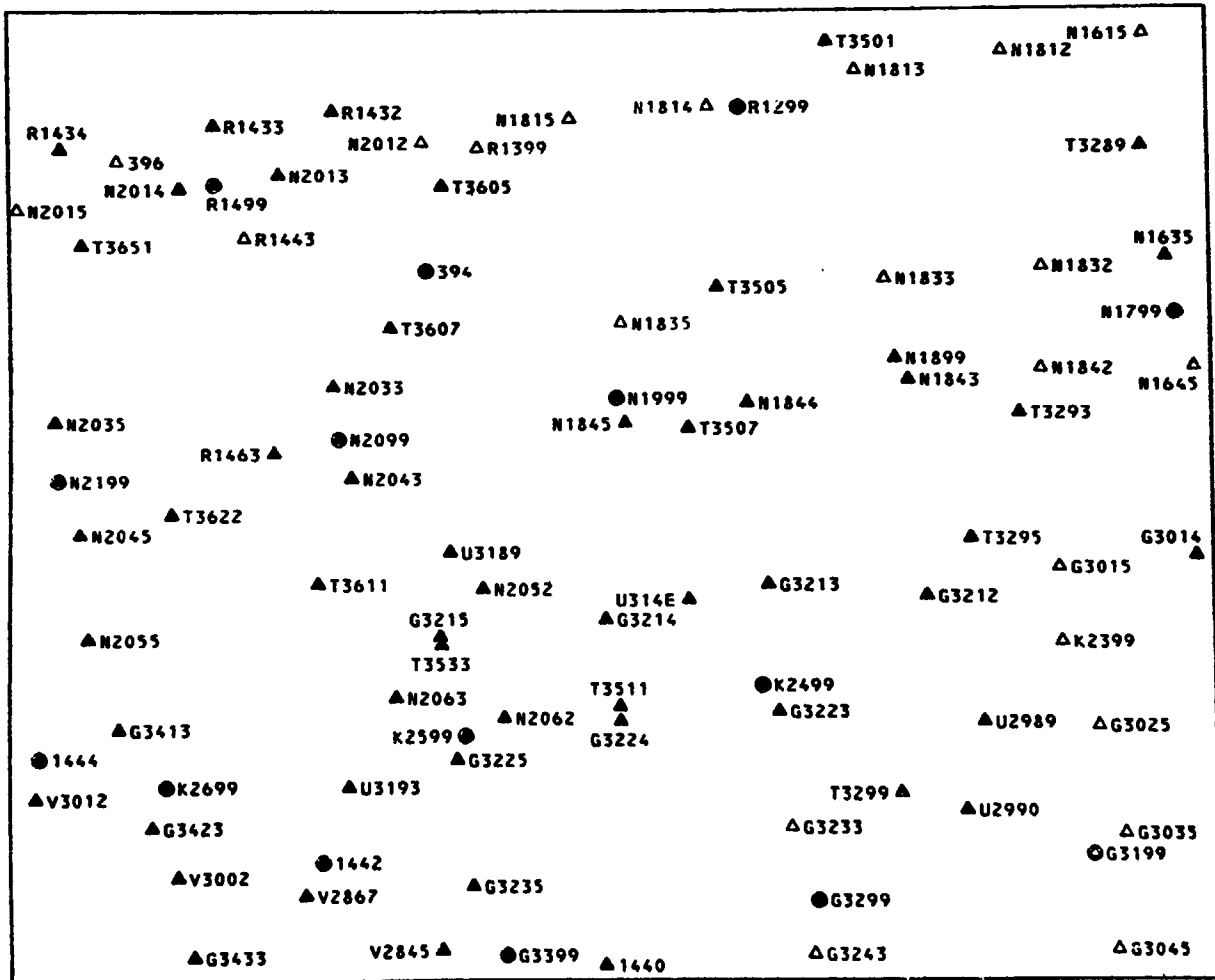
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MAP SHEET 64B

TERRAIN POINTS ON MAP SHEET 64B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T3678	X = -296747 Y = 1682665 Z = 302825	15 38 23	LAT. = 10 3 1.1 LONG. = 100 0 5.6 RAD. = 1735258.7	3.3 1.8 34.9
T3645	X = -354236 Y = 1677318 Z = 283961	13 24 16	LAT. = 9 24 18.5 LONG. = 101 55 30.6 RAD. = 1737674.9	2.1 1.7 22.5
R1413	X = -341148 Y = 1682874 Z = 263789	23 37 26	LAT. = 8 44 1.4 LONG. = 101 27 34.4 RAD. = 1737248.2	3.5 2.6 35.7
R1215	X = -410913 Y = 1669308 Z = 256635	23 38 24	LAT. = 8 29 25.7 LONG. = 103 49 43.9 RAD. = 1738183.2	3.2 2.6 36.3
T3601	X = -425381 Y = 1663637 Z = 257581	14 23 16	LAT. = 8 31 51.6 LONG. = 104 20 34.3 RAD. = 1736371.4	2.1 1.7 21.8
R1213	X = -473335 Y = 1649503 Z = 272077	25 38 26	LAT. = 9 0 32.6 LONG. = 106 0 40.2 RAD. = 1737507.8	3.4 2.8 37.2
R1015	X = -538438 Y = 1626527 Z = 279750	26 41 27	LAT. = 9 16 24.0 LONG. = 108 18 59.0 RAD. = 1736020.4	3.6 3.0 39.4



○ RANGE OBSERVATION
 ▲ ● < 30M
 ▲ ○ < 100M
 ▼ ● > 100M

MAP SHEET 64C

TERRAIN POINTS ON MAP SHEET 64C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1434	X = -311737 Y = 1694400 Z = 207502	18 31 20	LAT. = 6 52 3.8 LONG. = 100 25 29.1 RAD. = 1735289.0	2.6 2.1 29.9
396	X = -326378 Y = 1695213 Z = 204921	20 32 14	LAT. = 6 46 10.1 LONG. = 100 53 52.0 RAD. = 1738465.8	1.7 2.0 33.9
N2015	X = -301623 Y = 1699047 Z = 192727	20 30 19	LAT. = 6 22 21.8 LONG. = 100 3 59.6 RAD. = 1736341.3	2.4 2.3 30.2
T3651	X = -317895 Y = 1698288 Z = 184023	13 22 13	LAT. = 6 4 46.3 LONG. = 100 36 8.2 RAD. = 1737556.7	1.5 1.5 22.4
N2035	X = -311612 Y = 1703217 Z = 139875	18 28 18	LAT. = 4 37 6.7 LONG. = 100 22 4.4 RAD. = 1737128.6	2.0 2.1 28.8
N2199	X = -312688 Y = 1704554 Z = 125448	17 16 16	LAT. = 4 8 25.1 LONG. = 100 23 41.7 RAD. = 1737531.3	1.8 1.9 16.8
N2045	X = -318543 Y = 1705664 Z = 112008	20 28 18	LAT. = 3 41 36.4 LONG. = 100 34 42.5 RAD. = 1738765.0	2.2 2.2 29.0
N2055	X = -320746 Y = 1705858 Z = 85818	17 23 15	LAT. = 2 49 49.8 LONG. = 100 38 55.6 RAD. = 1737870.9	1.8 2.0 23.4
G3413	X = -328465 Y = 1705965 Z = 63409	16 21 15	LAT. = 2 5 2.1 LONG. = 100 53 55.9 RAD. = 1738455.3	1.7 1.9 21.4
1444	X = -309017 Y = 1709933 Z = 56430	13 14 12	LAT. = 1 51 36.2 LONG. = 100 14 37.9 RAD. = 1738546.9	1.4 1.5 13.8
V3012	X = -308171 Y = 1710465 Z = 46374	10 16 9	LAT. = 1 31 42.3 LONG. = 100 12 47.8 RAD. = 1738623.1	1.1 1.2 15.7
R1433	X = -349661 Y = 1688919 Z = 213601	18 29 18	LAT. = 7 3 35.6 LONG. = 101 41 43.6 RAD. = 1737911.5	2.3 2.2 28.7

TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1499	X = -350106 Y = 1690562 Z = 198988	18 20 17	LAT. = 6 34 29.6 LONG. = 101 42 .8 RAD. = 1737863.6	2.0 2.2 19.8
N2014	X = -341538 Y = 1692604 Z = 198000	19 29 17	LAT. = 6 32 29.2 LONG. = 101 24 29.2 RAD. = 1738033.3	2.1 2.2 28.6
R1443	X = -358116 Y = 1691717 Z = 185882	21 32 18	LAT. = 6 8 7.7 LONG. = 101 57 8.5 RAD. = 1739168.2	2.2 2.3 33.0
T3622	X = -340756 Y = 1700627 Z = 116731	11 16 10	LAT. = 3 51 1.2 LONG. = 101 19 49.2 RAD. = 1738353.7	1.2 1.3 15.4
K2699	X = -340196 Y = 1704853 Z = 49013	16 16 15	LAT. = 1 36 53.8 LONG. = 101 17 5.6 RAD. = 1739154.7	1.8 1.9 16.4
G3423	X = -336741 Y = 1705924 Z = 38809	18 27 17	LAT. = 1 16 42.8 LONG. = 101 9 58.9 RAD. = 1739274.6	2.0 2.1 27.5
V3002	X = -343079 Y = 1704916 Z = 26424	12 20 14	LAT. = 0 52 13.8 LONG. = 101 22 39.5 RAD. = 1739292.5	1.7 1.5 19.3
G3433	X = -347121 Y = 1705431 Z = 6387	17 27 16	LAT. = 0 12 37.0 LONG. = 101 30 17.0 RAD. = 1740410.1	2.0 2.1 27.1
R1432	X = -378605 Y = 1682005 Z = 217034	19 30 20	LAT. = 7 10 29.4 LONG. = 102 41 7.3 RAD. = 1737695.6	2.6 2.2 29.6
N2013	X = -365940 Y = 1687288 Z = 201427	20 29 18	LAT. = 6 39 16.0 LONG. = 102 14 12.6 RAD. = 1738225.4	2.3 2.2 29.3
N2033	X = -379749 Y = 1687192 Z = 148358	17 24 16	LAT. = 4 54 11.4 LONG. = 102 41 4.6 RAD. = 1735752.9	1.9 2.0 24.4
N2099	X = -381254 Y = 1687989 Z = 135327	17 18 16	LAT. = 4 28 17.3 LONG. = 102 43 38.8 RAD. = 1735792.2	1.9 2.0 18.2

TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1463	X = -365299 Y = 1691781 Z = 131880	18 29 20	LAT. = 4 21 26.6 LONG. = 102 11 4.5 RAD. = 1735787.6	2.3 2.2 29.3
N2043	X = -384562 Y = 1688169 Z = 125505	17 24 16	LAT. = 4 8 45.4 LONG. = 102 49 58.4 RAD. = 1735959.0	1.9 2.0 24.3
T3611	X = -377235 Y = 1695105 Z = 99249	11 16 11	LAT. = 3 16 15.7 LONG. = 102 32 46.9 RAD. = 1739407.1	1.2 1.4 15.9
U3193	X = -384614 Y = 1693725 Z = 48464	13 21 11	LAT. = 1 35 54.0 LONG. = 102 47 37.9 RAD. = 1737521.7	1.3 1.5 20.8
1442	X = -378245 Y = 1695906 Z = 29752	12 14 11	LAT. = 0 58 51.5 LONG. = 102 34 23.2 RAD. = 1737829.0	1.3 1.5 14.1
V2867	X = -374403 Y = 1698342 Z = 21475	11 16 10	LAT. = 0 42 26.8 LONG. = 102 25 55.7 RAD. = 1739254.0	1.2 1.3 16.1
N2012	X = -400715 Y = 1676953 Z = 209157	21 37 20	LAT. = 6 55 .1 LONG. = 103 26 20.6 RAD. = 1736804.8	2.6 2.4 36.5
R1399	X = -414295 Y = 1673704 Z = 207708	23 35 20	LAT. = 6 52 8.5 LONG. = 103 54 11.0 RAD. = 1736683.0	2.5 2.5 35.4
T3605	X = -405774 Y = 1676920 Z = 198199	14 22 13	LAT. = 6 33 11.6 LONG. = 103 36 9.8 RAD. = 1736662.7	1.5 1.6 21.6
394	X = -402316 Y = 1679766 Z = 177201	14 16 13	LAT. = 5 51 26.9 LONG. = 103 28 8.5 RAD. = 1736339.0	1.5 1.6 16.3
T3607	X = -393834 Y = 1683641 Z = 162980	14 21 13	LAT. = 5 23 4.7 LONG. = 103 9 56.8 RAD. = 1736753.6	1.5 1.6 21.6
U3189	X = -409727 Y = 1686997 Z = 107187	12 22 15	LAT. = 3 31 59.1 LONG. = 103 39 4.7 RAD. = 1739345.9	1.9 1.6 20.6

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TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N2052	X = -417651 Y = 1684963 Z = 97910	19 26 16	LAT. = 3 13 41.3 LONG. = 103 55 16.7 RAD. = 1738711.6	2.0 2.1 25.9
G3215	X = -407118 Y = 1687616 Z = 85902	18 24 16	LAT. = 2 49 58.1 LONG. = 103 33 46.2 RAD. = 1738152.3	1.9 2.0 24.2
T3533	X = -407364 Y = 1687520 Z = 83818	11 16 10	LAT. = 2 45 51.2 LONG. = 103 34 17.3 RAD. = 1738014.8	1.2 1.4 15.7
N2063	X = -396232 Y = 1690826 Z = 70698	17 23 15	LAT. = 2 19 52.4 LONG. = 103 11 19.7 RAD. = 1738071.0	1.8 2.0 23.0
K2599	X = -412856 Y = 1685390 Z = 61150	18 18 16	LAT. = 2 1 5.8 LONG. = 103 45 51.3 RAD. = 1736297.2	1.9 2.1 18.7
G3225	X = -410853 Y = 1686165 Z = 55064	19 25 17	LAT. = 1 49 2.1 LONG. = 103 41 38.1 RAD. = 1736371.1	2.0 2.2 25.6
G3235	X = -415373 Y = 1688807 Z = 23537	19 28 17	LAT. = 0 46 31.3 LONG. = 103 49 4.7 RAD. = 1739298.2	2.0 2.2 28.7
V2845	X = -408132 Y = 1692195 Z = 7546	11 16 10	LAT. = 0 14 54.1 LONG. = 103 33 35.7 RAD. = 1740733.4	1.2 1.3 16.1
N1815	X = -436876 Y = 1667592 Z = 214908	21 31 19	LAT. = 7 6 22.2 LONG. = 104 40 49.5 RAD. = 1737213.3	2.4 2.4 30.6
G3214	X = -447788 Y = 1676902 Z = 90080	19 26 16	LAT. = 2 58 15.4 LONG. = 104 57 3.6 RAD. = 1737996.0	1.9 2.2 25.9
N2062	X = -422432 Y = 1682825 Z = 65477	19 26 17	LAT. = 2 9 40.4 LONG. = 104 5 29.5 RAD. = 1736270.3	2.0 2.2 26.4
G3399	X = -423799 Y = 1687620 Z = 6210	19 20 17	LAT. = 0 12 16.1 LONG. = 104 5 48.3 RAD. = 1740030.8	2.0 2.2 19.7

TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1440	X = -447914 Y = 1680740 Z = 3633	13 21 11	LAT. = 0 7 10.8 LONG. = 104 55 20.7 RAD. = 1739404.3	1.3 1.5 20.8
N1814	X = -470709 Y = 1659251 Z = 218055	23 41 24	LAT. = 7 12 20.1 LONG. = 105 50 16.7 RAD. = 1738456.2	3.1 2.9 39.2
T3505	X = -473720 Y = 1662605 Z = 172894	15 22 13	LAT. = 5 42 40.1 LONG. = 105 54 13.1 RAD. = 1737399.5	1.6 1.7 22.4
N1835	X = -450611 Y = 1670193 Z = 164042	20 30 18	LAT. = 5 25 1.2 LONG. = 105 5 55.2 RAD. = 1737672.4	2.1 2.4 30.1
N1999	X = -449642 Y = 1671350 Z = 145294	20 19 17	LAT. = 4 47 54.9 LONG. = 105 3 27.7 RAD. = 1736865.1	2.1 2.3 19.8
N1845	X = -451760 Y = 1671255 Z = 139026	19 25 17	LAT. = 4 35 28.5 LONG. = 105 7 34.4 RAD. = 1736810.0	1.9 2.2 25.3
T3507	X = -467220 Y = 1667553 Z = 137781	15 22 13	LAT. = 4 32 56.0 LONG. = 105 39 7.1 RAD. = 1737242.1	1.5 1.7 22.4
U314E	X = -467955 Y = 1671113 Z = 95001	14 22 18	LAT. = 3 8 .3 LONG. = 105 38 37.1 RAD. = 1737994.6	2.2 1.8 21.3
T3511	X = -451029 Y = 1675854 Z = 68214	12 15 10	LAT. = 2 15 3.2 LONG. = 105 3 47.9 RAD. = 1736826.3	1.2 1.4 15.4
G3224	X = -451105 Y = 1675970 Z = 64562	20 26 19	LAT. = 2 7 49.1 LONG. = 105 3 53.0 RAD. = 1736819.2	2.2 2.3 26.6
T3501	X = -498081 Y = 1645647 Z = 233617	15 25 17	LAT. = 7 44 15.3 LONG. = 106 50 21.3 RAD. = 1735170.3	2.2 1.9 23.0
R1299	X = -477604 Y = 1654686 Z = 217573	21 23 18	LAT. = 7 12 .5 LONG. = 106 6 .4 RAD. = 1735922.6	2.2 2.5 22.8

TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N1844	X = -481661 Y = 1663379 Z = 144015	19 24 16	LAT. = 4 45 14.3 LONG. = 106 8 57.6 RAD. = 1737690.3	1.9 2.2 23.8
G3213	X = -487251 Y = 1665481 Z = 98733	19 26 16	LAT. = 3 15 23.2 LONG. = 106 18 26.3 RAD. = 1738099.0	2.0 2.3 25.7
K2499	X = -485994 Y = 1667382 Z = 73571	21 21 19	LAT. = 2 25 32.3 LONG. = 106 14 59.6 RAD. = 1738322.9	2.2 2.5 21.1
G3223	X = -490020 Y = 1666621 Z = 66935	20 27 18	LAT. = 2 12 23.6 LONG. = 106 23 3.8 RAD. = 1738455.1	2.1 2.4 27.8
G3233	X = -493138 Y = 1667101 Z = 38054	23 33 19	LAT. = 1 15 14.2 LONG. = 106 28 42.7 RAD. = 1738924.5	2.3 2.6 34.1
G3299	X = -499307 Y = 1665044 Z = 19843	21 21 18	LAT. = 0 39 14.4 LONG. = 106 41 33.8 RAD. = 1738410.4	2.1 2.5 21.4
G3243	X = -498339 Y = 1665503 Z = 6433	21 31 20	LAT. = 0 12 43.3 LONG. = 106 39 28.2 RAD. = 1738471.5	2.4 2.5 30.7
N1813	X = -504943 Y = 1643557 Z = 226426	23 33 21	LAT. = 7 30 7.8 LONG. = 107 4 41.9 RAD. = 1734219.2	2.6 2.6 33.0
N1833	X = -513931 Y = 1649910 Z = 174731	22 31 19	LAT. = 5 46 25.1 LONG. = 107 18 4.7 RAD. = 1736911.1	2.2 2.6 31.7
N1899	X = -517242 Y = 1652307 Z = 155043	22 27 18	LAT. = 5 7 1.7 LONG. = 107 22 56.4 RAD. = 1738303.2	2.1 2.5 27.9
N1843	X = -520511 Y = 1651642 Z = 149723	20 27 17	LAT. = 4 56 29.2 LONG. = 107 29 31.6 RAD. = 1738180.3	2.0 2.4 26.6
T3295	X = -535585 Y = 1648736 Z = 110033	17 24 14	LAT. = 3 37 54.7 LONG. = 107 59 46.2 RAD. = 1737034.3	1.6 1.9 25.1

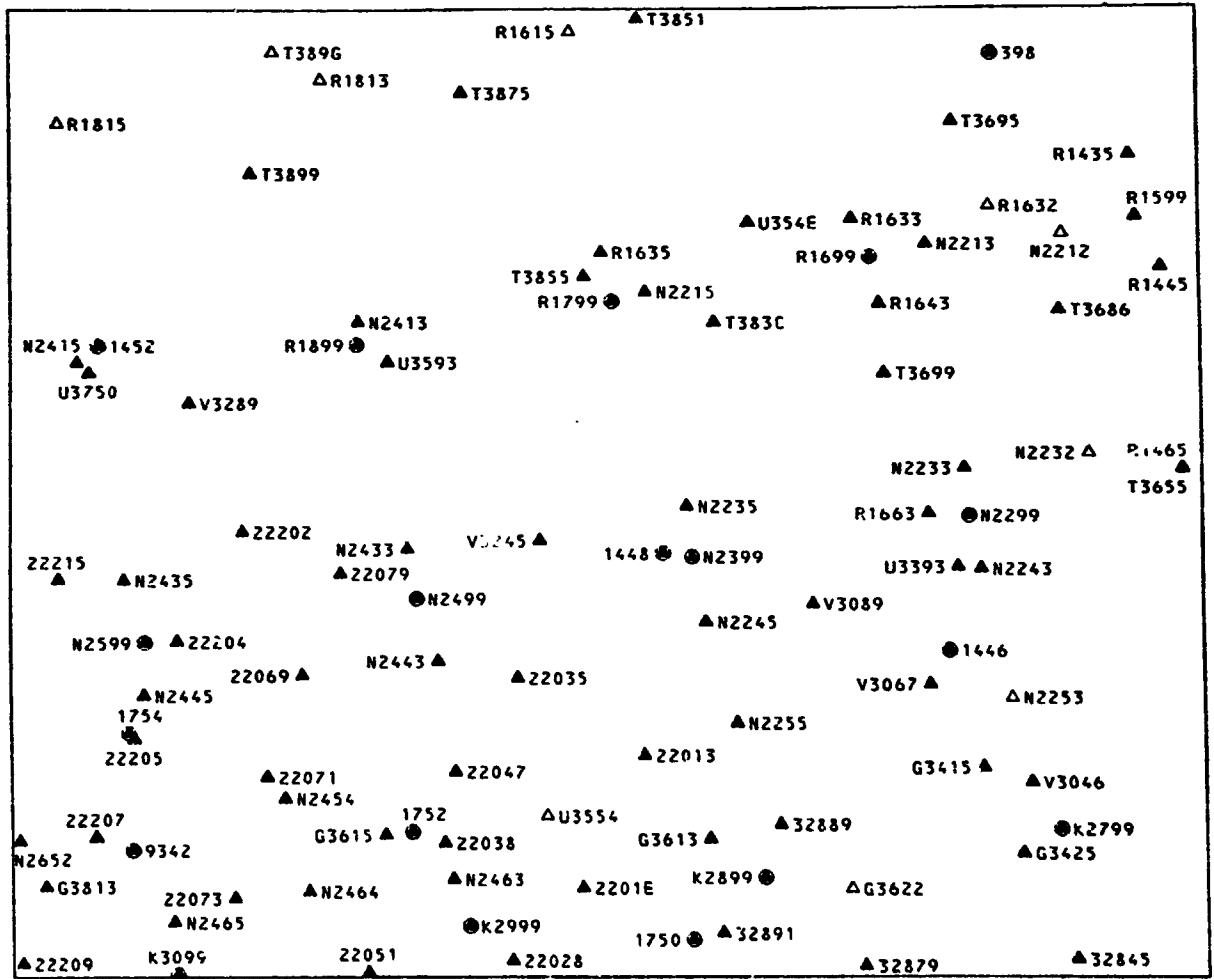
TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G3212	X = -525930 Y = 1655480 Z = 95779	20 27 17	LAT. = 3 9 22.0 LONG. = 107 37 28.4 RAD. = 1739652.3	2.0 2.4 27.0
T3299	X = -519501 Y = 1658307 Z = 46484	18 23 19	LAT. = 1 31 56.1 LONG. = 107 23 39.5 RAD. = 1738396.6	2.2 1.9 24.8
U2990	X = -534650 Y = 1651726 Z = 42175	14 23 15	LAT. = 1 23 29.7 LONG. = 107 56 10.9 RAD. = 1736613.9	1.8 1.7 22.4
N1812	X = -540293 Y = 1533621 Z = 231210	25 35 21	LAT. = 7 39 11.5 LONG. = 108 18 2.8 RAD. = 1736113.6	2.5 2.8 35.2
N1832	X = -551596 Y = 1638180 Z = 177768	22 32 20	LAT. = 5 52 18.4 LONG. = 108 36 32.5 RAD. = 1737669.4	2.3 2.7 32.0
N1842	X = -552283 Y = 1641535 Z = 152495	24 33 20	LAT. = 5 1 54.5 LONG. = 108 35 42.5 RAD. = 1738650.8	2.4 2.7 32.9
T3293	X = -547466 Y = 1644834 Z = 141513	17 24 13	LAT. = 4 40 .6 LONG. = 108 24 34.2 RAD. = 1739316.8	1.5 1.9 24.7
G3015	X = -557538 Y = 1644636 Z = 102855	26 31 20	LAT. = 3 23 22.5 LONG. = 108 43 36.8 RAD. = 1739613.3	2.3 2.8 32.0
K2399	X = -558140 Y = 1645042 Z = 84251	30 40 24	LAT. = 2 46 35.9 LONG. = 108 44 29.0 RAD. = 1739190.0	2.8 3.1 42.2
U2989	X = -539082 Y = 1650739 Z = 64208	14 23 17	LAT. = 2 7 3.1 LONG. = 108 5 7.8 RAD. = 1737719.8	2.1 1.7 22.2
G3199	X = -565118 Y = 1644082 Z = 31229	26 26 24	LAT. = 1 1 44.8 LONG. = 108 58 9.5 RAD. = 1738775.2	2.9 3.2 25.4
N1615	X = -573926 Y = 1623346 Z = 235537	24 33 21	LAT. = 7 47 22.1 LONG. = 109 28 14.9 RAD. = 1737850.0	2.7 2.8 32.9

TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T3289	X = -573973	16	LAT. = 6 51 39.3	2.2
	Y = 1626360	27	LONG. = 109 26 20.0	2.1
	Z = 207515	17	RAD. = 1737111.2	25.0
N1635	X = -580113	23	LAT. = 5 57 .6	2.1
	Y = 1625949	28	LONG. = 109 38 8.2	2.7
	Z = 179927	18	RAD. = 1735689.1	28.4
N1799	X = -582688	23	LAT. = 5 29 17.0	2.1
	Y = 1626833	24	LONG. = 109 42 22.2	2.7
	Z = 166027	18	RAD. = 1735994.1	23.7
N1645	X = -588597	26	LAT. = 5 2 39.2	2.5
	Y = 1629630	33	LONG. = 109 51 32.2	3.0
	Z = 152937	21	RAD. = 1739405.1	33.0
G3014	X = -588642	23	LAT. = 3 28 59.8	2.1
	Y = 1629615	29	LONG. = 109 51 37.8	2.8
	Z = 105467	18	RAD. = 1735876.3	29.4
G3025	X = -566877	23	LAT. = 2 5 4.6	2.2
	Y = 1643770	33	LONG. = 109 1 38.8	2.7
	Z = 63290	18	RAD. = 1739924.1	32.6
G3035	X = -572298	23	LAT. = 1 12 2.1	2.3
	Y = 1640236	34	LONG. = 109 14 4.2	2.8
	Z = 36407	19	RAD. = 1737591.7	33.3
G3045	X = -570869	23	LAT. = 0 14 45.2	2.6
	Y = 1642826	33	LONG. = 109 9 43.0	2.7
	Z = 7464	22	RAD. = 1739202.9	32.8

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



MAP SHEET 64D

○ RANGE OBSERVATION
△ < 30M
▲ < 100M
▼ > 100M

TERRAIN POINTS ON MAP SHEET 64D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1815	X = -12318 Y = 1722304 Z = 213483	37 71 39	LAT. = 7 3 56.5 LONG. = 90 24 35.2 RAD. = 1735527.8	5.5 4.3 66.5
1452	X = -22305 Y = 1727189 Z = 158150	11 12 11	LAT. = 5 13 52.5 LONG. = 90 44 23.5 RAD. = 1734558.0	1.3 1.3 12.1
N2415	X = -17154 Y = 1726840 Z = 153942	15 25 16	LAT. = 5 5 38.4 LONG. = 90 34 9.0 RAD. = 1733773.4	2.0 1.8 24.3
U3750	X = -20152 Y = 1727172 Z = 151325	11 20 11	LAT. = 5 0 24.6 LONG. = 90 40 6.6 RAD. = 1733905.9	1.3 1.3 20.2
22215	X = -12220 Y = 1730804 Z = 99641	8 14 8	LAT. = 3 17 41.1 LONG. = 90 24 16.3 RAD. = 1733712.5	1.0 1.0 13.9
N2435	X = -28851 Y = 1730481 Z = 99435	16 27 17	LAT. = 3 17 17.5 LONG. = 90 57 18.6 RAD. = 1733575.9	2.0 1.9 27.3
1754	X = -29988 Y = 1732508 Z = 61228	10 10 10	LAT. = 2 1 25.4 LONG. = 90 59 29.9 RAD. = 1733848.9	1.2 1.2 10.4
22207	X = -21440 Y = 1733320 Z = 35069	8 12 8	LAT. = 1 9 32.4 LONG. = 90 42 31.2 RAD. = 1733807.1	.9 .9 12.4
N2652	X = -1928 Y = 1733335 Z = 34235	17 28 17	LAT. = 1 7 53.4 LONG. = 90 3 49.4 RAD. = 1733674.0	2.0 2.0 27.7
G3813	X = -8581 Y = 1733486 Z = 22679	15 23 15	LAT. = 0 44 58.4 LONG. = 90 17 1.0 RAD. = 1733655.3	1.8 1.8 22.7
22209	X = -2481 Y = 1733734 Z = 3433	10 16 9	LAT. = 0 6 48.4 LONG. = 90 4 55.1 RAD. = 1733739.3	1.1 1.2 15.7
V3289	X = -45666 Y = 1727366 Z = 143611	10 20 14	LAT. = 4 45 3.3 LONG. = 91 30 51.7 RAD. = 1733926.6	1.8 1.3 18.7

TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
22202	X = -59193 Y = 1729101 Z = 111321	8 13 8	LAT. = 3 40 53.5 LONG. = 91 57 38.4 RAD. = 1733692.1	1.0 .9 12.7
22204	X = -42411 Y = 1731212 Z = 83990	8 13 8	LAT. = 2 46 36.1 LONG. = 91 24 12.0 RAD. = 1733767.3	1.0 1.0 13.4
N2599	X = -34057 Y = 1731272 Z = 83796	15 14 15	LAT. = 2 46 13.8 LONG. = 91 7 37.0 RAD. = 1733633.8	1.8 1.8 13.7
N2445	X = -33791 Y = 1732115 Z = 70583	14 19 14	LAT. = 2 19 58.9 LONG. = 91 7 3.4 RAD. = 1733881.6	1.6 1.6 18.6
22205	X = -31380 Y = 1732585 Z = 59671	8 13 8	LAT. = 1 58 19.9 LONG. = 91 2 15.3 RAD. = 1733896.7	.9 .9 12.6
9342	X = -30839 Y = 1733210 Z = 31824	11 11 11	LAT. = 1 3 6.3 LONG. = 91 1 9.7 RAD. = 1733776.4	1.3 1.4 11.0
22073	X = -56855 Y = 1733014 Z = 19681	8 13 8	LAT. = 0 39 1.1 LONG. = 91 52 44.5 RAD. = 1734058.1	.9 .9 12.9
N2465	X = -41353 Y = 1733289 Z = 13717	17 24 18	LAT. = 0 27 11.8 LONG. = 91 22 .1 RAD. = 1733836.8	2.1 2.0 23.6
K3099	X = -42078 Y = 1733340 Z = 661	14 13 14	LAT. = 0 1 18.6 LONG. = 91 23 26.3 RAD. = 1733850.8	1.6 1.6 13.2
T389G	X = -66936 Y = 1718059 Z = 231022	12 37 23	LAT. = 7 39 9.7 LONG. = 92 13 52.0 RAD. = 1734813.3	3.2 1.5 34.2
R1813	X = -79315 Y = 1719375 Z = 224234	20 38 27	LAT. = 7 25 21.1 LONG. = 92 38 28.3 RAD. = 1735748.4	3.5 2.4 35.8
T3899	X = -61445 Y = 1722305 Z = 200836	10 16 11	LAT. = 6 38 49.1 LONG. = 92 2 35.6 RAD. = 1735063.7	1.3 1.2 16.0

TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N2413	X = -89143	15	LAT. = 5 24 52.2	2.0
	Y = 1725841	24	LONG. = 92 57 24.6	1.8
	Z = 163798	16	RAD. = 1735887.0	24.0
R1899	X = -88768	16	LAT. = 5 13 43.9	1.9
	Y = 1726111	16	LONG. = 92 56 38.2	1.9
	Z = 158174	16	RAD. = 1735614.8	16.0
22079	X = -84240	8	LAT. = 3 20 .5	1.0
	Y = 1729577	13	LONG. = 92 47 18.3	.9
	Z = 100860	8	RAD. = 1734562.1	12.9
22069	X = -74321	9	LAT. = 2 29 37.2	1.1
	Y = 1730484	17	LONG. = 92 27 33.2	1.0
	Z = 75432	9	RAD. = 1733720.6	16.7
22071	X = -65336	9	LAT. = 1 39 7.1	1.1
	Y = 1731783	14	LONG. = 92 9 38.2	1.0
	Z = 49980	9	RAD. = 1733735.9	14.1
N2454	X = -69862	15	LAT. = 1 28 25.4	1.8
	Y = 1732184	23	LONG. = 92 18 34.5	1.8
	Z = 44600	15	RAD. = 1734165.5	22.7
N2464	X = -75909	15	LAT. = 0 42 22.0	1.7
	Y = 1732096	22	LONG. = 92 30 33.8	1.8
	Z = 21368	15	RAD. = 1733890.4	22.6
T3875	X = -115250	10	LAT. = 7 18 20.3	1.3
	Y = 1718114	15	LONG. = 93 50 15.4	1.1
	Z = 220763	10	RAD. = 1736068.7	14.8
U3593	X = -96593	11	LAT. = 5 4 49.9	1.3
	Y = 1724982	20	LONG. = 93 12 18.0	1.3
	Z = 153600	11	RAD. = 1734498.8	19.8
N2433	X = -101457	16	LAT. = 3 32 12.3	1.8
	Y = 1728354	22	LONG. = 93 21 34.2	1.8
	Z = 107008	16	RAD. = 1734632.7	22.7
N2499	X = -103796	13	LAT. = 3 7 34.7	1.5
	Y = 1728819	14	LONG. = 93 26 9.0	1.6
	Z = 94596	13	RAD. = 1734513.3	13.8
N2443	X = -109204	14	LAT. = 2 36 33.8	1.7
	Y = 1729296	19	LONG. = 93 36 48.2	1.6
	Z = 78967	14	RAD. = 1734539.4	18.8

TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
22047	X = -113536 Y = 1731230 Z = 51322	8 12 8	LAT. = 1 41 39.8 LONG. = 93 45 7.8 RAD. = 1735708.3	.9 .9 12.1
1752	X = -102507 Y = 1732761 Z = 36284	12 11 11	LAT. = 1 11 51.0 LONG. = 93 23 8.0 RAD. = 1736169.9	1.3 1.4 11.1
G3615	X = -95718 Y = 1733594 Z = 35530	18 27 19	LAT. = 1 10 20.4 LONG. = 93 9 37.1 RAD. = 1736598.4	2.3 2.1 26.7
22038	X = -110754 Y = 1731839 Z = 33576	9 17 9	LAT. = 1 6 30.3 LONG. = 93 39 33.0 RAD. = 1735701.6	1.1 1.1 17.1
N2463	X = -112896 Y = 1731975 Z = 24474	14 20 14	LAT. = 0 48 28.3 LONG. = 93 43 46.0 RAD. = 1735823.0	1.6 1.6 20.2
K2999	X = -116977 Y = 1731891 Z = 12777	15 15 16	LAT. = 0 25 18.2 LONG. = 93 51 50.6 RAD. = 1735883.9	1.9 1.8 14.9
22051	X = -91021 Y = 1732931 Z = 1221	0 0 0	LAT. = 0 2 25.2 LONG. = 93 0 24.0 RAD. = 1735320.1	.0 .0 .0
R1615	X = -142555 Y = 1713807 Z = 235965	21 38 27	LAT. = 7 48 46.2 LONG. = 94 45 17.8 RAD. = 1735839.1	3.6 2.4 36.0
T3855	X = -146425 Y = 1721282 Z = 175032	13 21 18	LAT. = 5 47 7.9 LONG. = 94 51 44.3 RAD. = 1736343.6	2.0 1.6 22.5
V3245	X = -135106 Y = 1725844 Z = 109058	9 15 9	LAT. = 3 36 17.2 LONG. = 94 28 34.3 RAD. = 1734556.5	1.1 1.1 14.6
22035	X = -129412 Y = 1729301 Z = 74733	8 12 8	LAT. = 2 28 3.6 LONG. = 94 16 47.1 RAD. = 1735745.8	.9 .9 12.1
U3554	X = -136858 Y = 1730343 Z = 40250	12 33 20	LAT. = 1 19 42.2 LONG. = 94 31 20.2 RAD. = 1736213.7	2.9 1.4 33.2

TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2201E	X = -145800	11	LAT. = 0 44 9.4	1.9
	Y = 1730487	19	LONG. = 94 48 57.6	1.3
	Z = 22307	16	RAD. = 1736761.6	19.6
22028	X = -127696	12	LAT. = 0 8 6.8	1.4
	Y = 1731432	27	LONG. = 94 13 4.9	1.5
	Z = 4097	12	RAD. = 1736139.0	27.3
T3851	X = -159584	13	LAT. = 7 55 3.6	1.5
	Y = 1711714	22	LONG. = 95 19 34.7	1.5
	Z = 239090	14	RAD. = 1735682.8	22.5
R1635	X = -150816	16	LAT. = 5 59 10.0	2.1
	Y = 1720782	25	LONG. = 95 0 31.8	1.8
	Z = 181131	16	RAD. = 1736849.2	24.3
N2215	X = -161989	15	LAT. = 5 39 29.6	1.9
	Y = 1720631	25	LONG. = 95 22 41.8	1.8
	Z = 171228	16	RAD. = 1736701.6	24.2
R1799	X = -153501	15	LAT. = 5 34 50.2	1.8
	Y = 1721832	17	LONG. = 95 5 40.0	1.8
	Z = 168906	15	RAD. = 1736892.9	16.5
T383C	X = -179212	11	LAT. = 5 24 9.7	1.6
	Y = 1719925	20	LONG. = 95 56 55.0	1.3
	Z = 163543	12	RAD. = 1736952.9	19.7
N2235	X = -172497	15	LAT. = 3 53 10.2	1.8
	Y = 1725289	24	LONG. = 95 42 34.3	1.8
	Z = 117784	16	RAD. = 1737886.6	23.7
1448	X = -166521	11	LAT. = 3 29 49.2	1.2
	Y = 1726772	12	LONG. = 95 30 29.8	1.3
	Z = 106013	10	RAD. = 1738019.2	12.3
N2399	X = -173635	15	LAT. = 3 27 58.4	1.8
	Y = 1724602	15	LONG. = 95 44 57.2	1.8
	Z = 104989	15	RAD. = 1736497.7	14.9
N2245	X = -177029	16	LAT. = 2 55 41.5	1.9
	Y = 1724282	22	LONG. = 95 51 42.9	1.9
	Z = 88662	16	RAD. = 1735612.3	21.8
22013	X = -161527	9	LAT. = 1 49 35.1	1.0
	Y = 1727811	13	LONG. = 95 20 27.1	1.0
	Z = 55336	9	RAD. = 1736227.0	13.0

TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G3613	X = -177955 Y = 1726568 Z = 34414	15 21 14	LAT. = 1 8 9.1 LONG. = 95 53 4.6 RAD. = 1736055.8	1.7 1.7 20.8
32891	X = -180913 Y = 1726766 Z = 10858	9 14 9	LAT. = 0 21 29.9 LONG. = 95 58 51.7 RAD. = 1736250.8	1.0 1.1 13.7
1750	X = -173380 Y = 1727292 Z = 9305	12 11 11	LAT. = 0 18 25.6 LONG. = 95 43 55.1 RAD. = 1735996.6	1.4 1.4 10.9
U354E	X = -187618 Y = 1716262 Z = 188356	11 21 15	LAT. = 6 13 34.4 LONG. = 96 14 19.2 RAD. = 1736731.0	1.9 1.4 19.8
V3089	X = -203879 Y = 1720506 Z = 93104	9 16 10	LAT. = 3 4 33.7 LONG. = 96 45 28.8 RAD. = 1735043.5	1.2 1.1 15.3
N2255	X = -184713 Y = 1726131 Z = 63415	15 22 15	LAT. = 2 5 31.4 LONG. = 96 6 28.6 RAD. = 1737143.8	1.7 1.8 21.8
32889	X = -195474 Y = 1724782 Z = 37989	11 16 11	LAT. = 1 15 13.5 LONG. = 96 27 57.2 RAD. = 1736239.4	1.4 1.3 16.4
K2899	X = -191378 Y = 1725249 Z = 24804	16 15 16	LAT. = 0 49 7.3 LONG. = 96 19 47.4 RAD. = 1736008.1	1.9 1.9 15.0
T3695	X = -238308 Y = 1706702 Z = 213362	13 22 13	LAT. = 7 3 29.0 LONG. = 97 56 55.8 RAD. = 1736417.4	1.5 1.6 22.4
R1633	X = -213656 Y = 1713218 Z = 189179	17 28 17	LAT. = 6 15 11.5 LONG. = 97 6 31.2 RAD. = 1736822.7	2.2 2.0 28.0
N2213	X = -232034 Y = 1711193 Z = 182968	17 28 17	LAT. = 6 2 53.5 LONG. = 97 43 19.4 RAD. = 1736519.4	2.2 1.9 28.1
R1699	X = -218336 Y = 1713890 Z = 179889	16 18 15	LAT. = 5 56 38.7 LONG. = 97 15 35.8 RAD. = 1737080.4	1.9 1.9 17.6

TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1643	X = -220709	16	LAT. = 5 33 26.9	1.9
	Y = 1714587	25	LONG. = 97 20 6.1	1.9
	Z = 168208	15	RAD. = 1736898.4	24.6
T3699	X = -221955	14	LAT. = 4 58 58.7	2.0
	Y = 1716263	21	LONG. = 97 22 7.8	1.6
	Z = 150886	18	RAD. = 1737121.2	22.4
R1663	X = -232931	14	LAT. = 3 49 22.2	1.7
	Y = 1716939	20	LONG. = 97 43 33.4	1.7
	Z = 115777	14	RAD. = 1736531.0	20.5
U3393	X = -240344	11	LAT. = 3 22 51.9	1.3
	Y = 1716669	20	LONG. = 97 58 11.8	1.3
	Z = 102410	11	RAD. = 1736434.9	20.1
1446	X = -238079	11	LAT. = 2 41 18.6	1.3
	Y = 1718042	13	LONG. = 97 53 22.5	1.3
	Z = 81446	11	RAD. = 1736370.4	13.0
V3067	X = -233122	9	LAT. = 2 24 32.5	1.1
	Y = 1718392	16	LONG. = 97 43 32.6	1.1
	Z = 72956	9	RAD. = 1735666.9	15.6
G3622	X = -213315	22	LAT. = 0 43 31.6	2.4
	Y = 1723153	43	LONG. = 97 3 25.0	2.3
	Z = 21985	20	RAD. = 1736445.4	43.8
32879	X = -216713	9	LAT. = 0 5 22.0	1.0
	Y = 1723473	14	LONG. = 97 10 .7	1.1
	Z = 2712	9	RAD. = 1737047.1	14.4
398	X = -248211	13	LAT. = 7 37 17.5	1.5
	Y = 1703484	16	LONG. = 98 17 24.4	1.5
	Z = 230351	13	RAD. = 1736815.6	16.5
R1632	X = -247699	21	LAT. = 6 21 44.4	2.6
	Y = 1707126	37	LONG. = 98 15 21.0	2.3
	Z = 192341	20	RAD. = 1735693.2	36.9
N2212	X = -265974	22	LAT. = 6 8 2.8	2.5
	Y = 1705089	41	LONG. = 98 51 57.7	2.4
	Z = 185464	20	RAD. = 1735646.3	41.6
T3686	X = -265394	10	LAT. = 5 30 7.2	1.3
	Y = 1707123	15	LONG. = 98 50 11.9	1.2
	Z = 166413	10	RAD. = 1735625.2	15.1

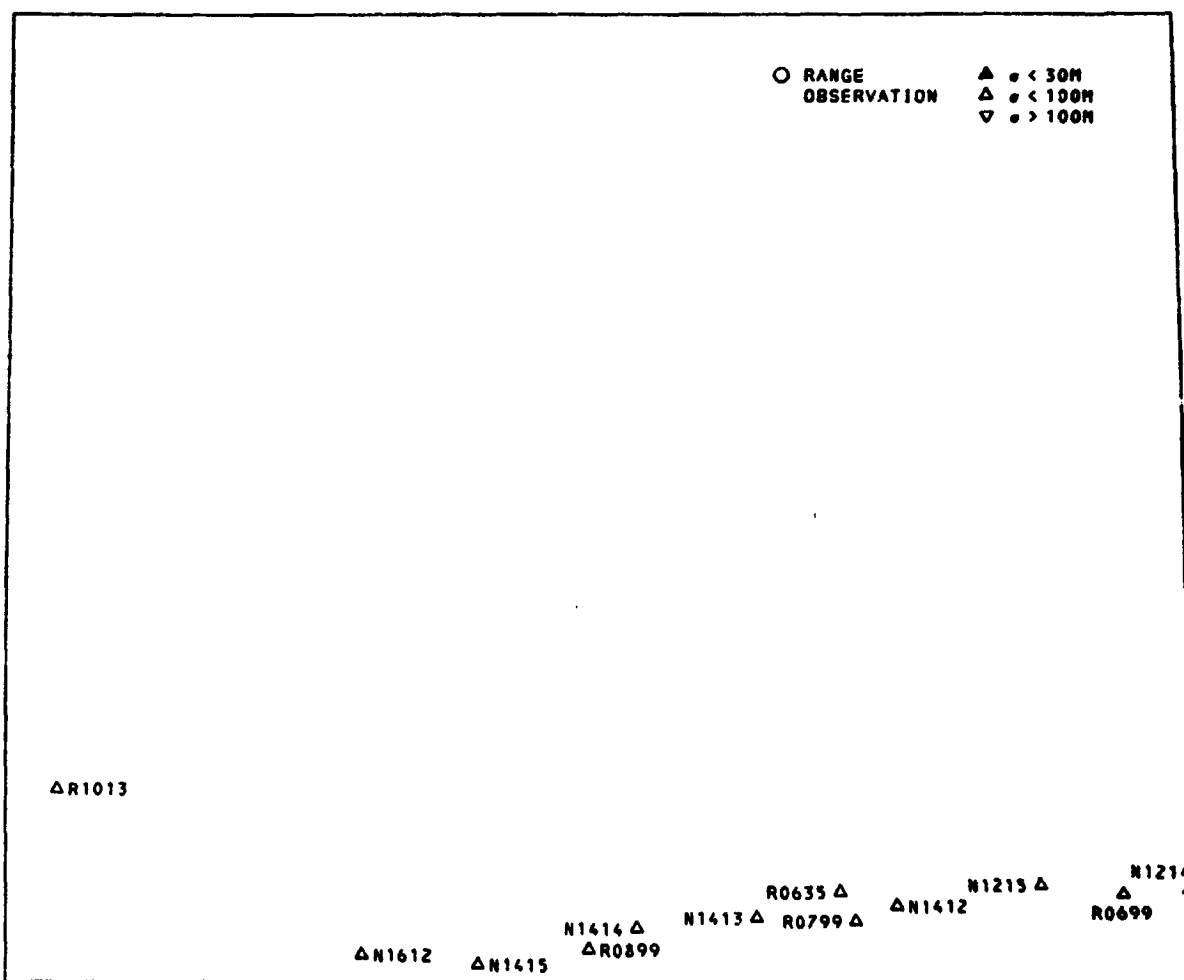
TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N2233	X = -241907	17	LAT. = 4 11 52.3	1.9
	Y = 1714710	24	LONG. = 98 1 48.5	1.9
	Z = 127102	16	RAD. = 1736347.7	24.1
N2299	X = -243191	15	LAT. = 3 48 19.8	1.7
	Y = 1715409	16	LONG. = 98 4 8.3	1.7
	Z = 115243	14	RAD. = 1736390.6	15.8
N2243	X = -246284	17	LAT. = 3 21 53.4	1.9
	Y = 1715905	25	LONG. = 98 10 4.3	1.9
	Z = 101921	16	RAD. = 1736483.2	24.9
N2253	X = -253832	18	LAT. = 2 18 .4	2.6
	Y = 1716448	31	LONG. = 98 24 43.4	2.1
	Z = 69693	21	RAD. = 1736514.5	30.7
G3415	X = -246552	16	LAT. = 1 43 27.9	1.8
	Y = 1717890	20	LONG. = 98 10 2.5	1.9
	Z = 52249	15	RAD. = 1736278.5	20.7
V3046	X = -258542	10	LAT. = 1 36 6.4	1.1
	Y = 1715892	16	LONG. = 98 34 6.9	1.1
	Z = 48524	9	RAD. = 1735938.4	15.6
K2799	X = -265741	16	LAT. = 1 12 57.8	1.9
	Y = 1715637	16	LONG. = 98 48 17.1	1.9
	Z = 36853	16	RAD. = 1736486.8	16.3
G3425	X = -256435	15	LAT. = 1 1 5.0	1.8
	Y = 1717361	21	LONG. = 98 29 33.4	1.8
	Z = 30856	15	RAD. = 1736674.7	21.4
32845	X = -269666	10	LAT. = 0 8 48.5	1.3
	Y = 1716806	17	LONG. = 98 55 36.3	1.2
	Z = 4452	11	RAD. = 1737861.0	16.5
R1435	X = -282484	18	LAT. = 6 46 57.2	2.3
	Y = 1701395	29	LONG. = 99 25 36.8	2.1
	Z = 205124	18	RAD. = 1736841.0	28.6
R1599	X = -284542	17	LAT. = 6 16 23.5	2.1
	Y = 1704896	28	LONG. = 99 28 30.6	2.0
	Z = 190007	17	RAD. = 1738889.7	27.8
R1445	X = -290741	17	LAT. = 5 51 23.2	1.9
	Y = 1704352	25	LONG. = 99 40 50.7	1.9
	Z = 177344	16	RAD. = 1738044.0	25.0

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TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

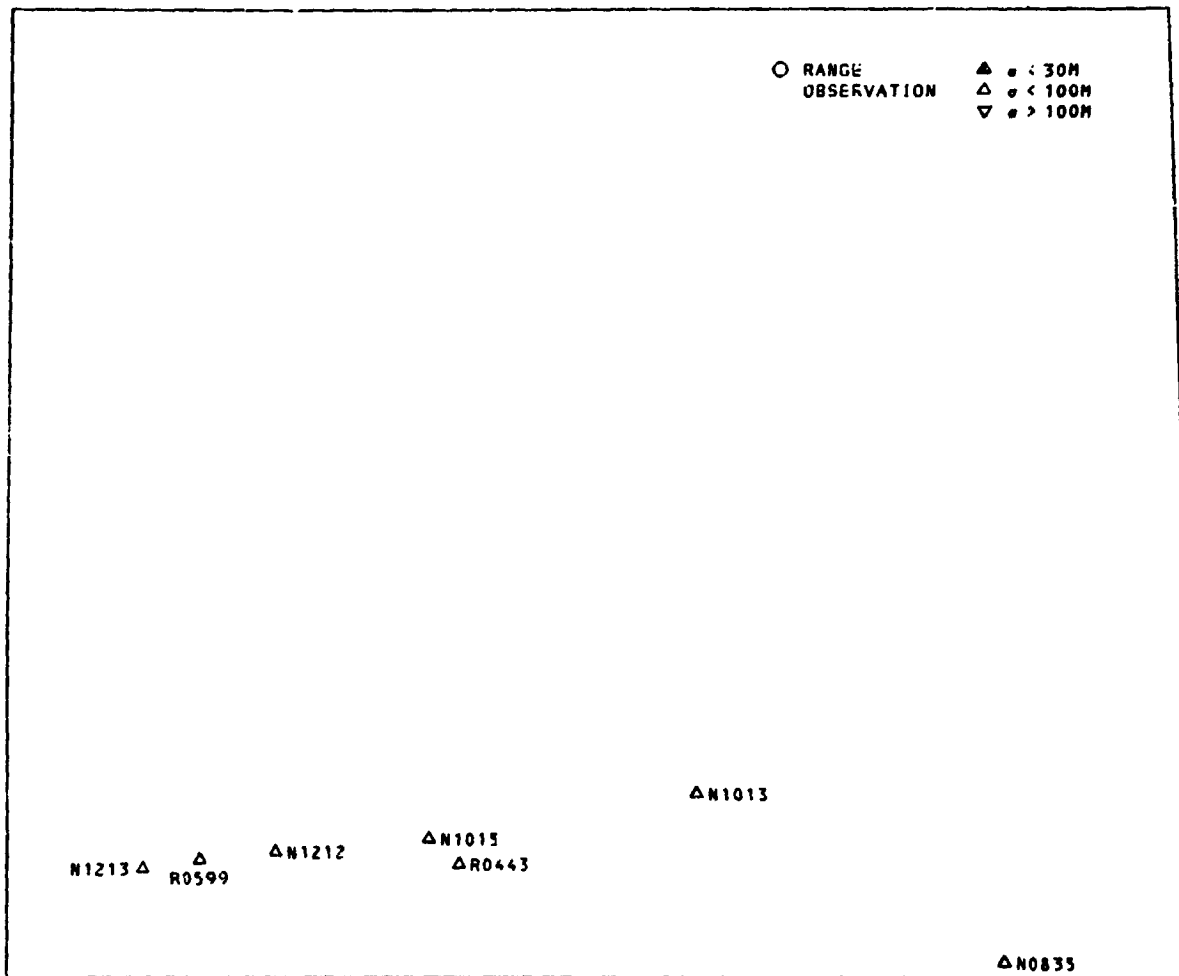
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N2232	X = -272955	18	LAT. = 4 19 28.2	2.3
	Y = 1709794	35	LONG. = 99 4 13.0	2.2
	Z = 130933	20	RAD. = 1736388.0	35.6
R1465	X = -296375	16	LAT. = 4 11 44.8	1.8
	Y = 1707530	22	LONG. = 99 50 48.1	1.8
	Z = 127140	15	RAD. = 1737717.2	22.2
T3655	X = -296313	14	LAT. = 4 11 36.0	2.0
	Y = 1707537	21	LONG. = 99 50 40.8	1.6
	Z = 127065	18	RAD. = 1737707.8	22.5



MAP SHEET 65A

TERRAIN POINTS ON MAP SHEET 65A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1013	X = -598023	29	LAT. = 9 36 18.2	5.7
	Y = 1605168	74	LONG. = 110 26 .4	4.2
	Z = 289879	40	RAD. = 1737304.0	65.4
N1612	X = -672259	43	LAT. = 8 13 51.5	6.2
	Y = 1583106	69	LONG. = 113 0 29.9	3.9
	Z = 248795	44	RAD. = 1737831.2	68.9
N1415	X = -699712	33	LAT. = 8 9 11.7	3.8
	Y = 1572370	41	LONG. = 113 59 21.4	3.6
	Z = 246571	29	RAD. = 1738603.6	41.6
R0899	X = -724086	51	LAT. = 8 16 37.2	5.8
	Y = 1558092	66	LONG. = 114 55 31.9	4.2
	Z = 249943	41	RAD. = 1736209.1	71.1
N1414	X = -735878	45	LAT. = 8 27 14.4	6.0
	Y = 1554380	67	LONG. = 115 20 2.1	4.0
	Z = 255610	43	RAD. = 1738663.2	68.5
N1413	X = -762637	35	LAT. = 8 32 29.7	3.9
	Y = 1540375	42	LONG. = 116 20 23.7	3.8
	Z = 258156	30	RAD. = 1738108.0	42.6
R0635	X = -781064	55	LAT. = 8 45 26.0	6.1
	Y = 1530395	62	LONG. = 117 2 17.8	4.5
	Z = 264676	43	RAD. = 1738454.2	68.5
N1412	X = -794946	48	LAT. = 8 38 43.7	5.8
	Y = 1526079	63	LONG. = 117 30 55.2	4.2
	Z = 261630	41	RAD. = 1740490.3	66.4
R0799	X = -785046	53	LAT. = 8 31 .0	5.6
	Y = 1529529	62	LONG. = 117 10 10.7	4.4
	Z = 257452	40	RAD. = 1738400.8	68.5
N1215	X = -826384	36	LAT. = 8 49 9.1	3.9
	Y = 1507635	42	LONG. = 118 43 42.9	4.0
	Z = 266746	30	RAD. = 1739835.7	42.1
N1214	X = -859277	49	LAT. = 8 47 19.7	5.5
	Y = 1490639	61	LONG. = 119 57 40.5	4.3
	Z = 266014	39	RAD. = 1741012.6	65.3
R0699	X = -844659	55	LAT. = 8 44 59.0	5.5
	Y = 1498230	58	LONG. = 119 24 46.9	4.6
	Z = 264713	39	RAD. = 1740176.9	66.1

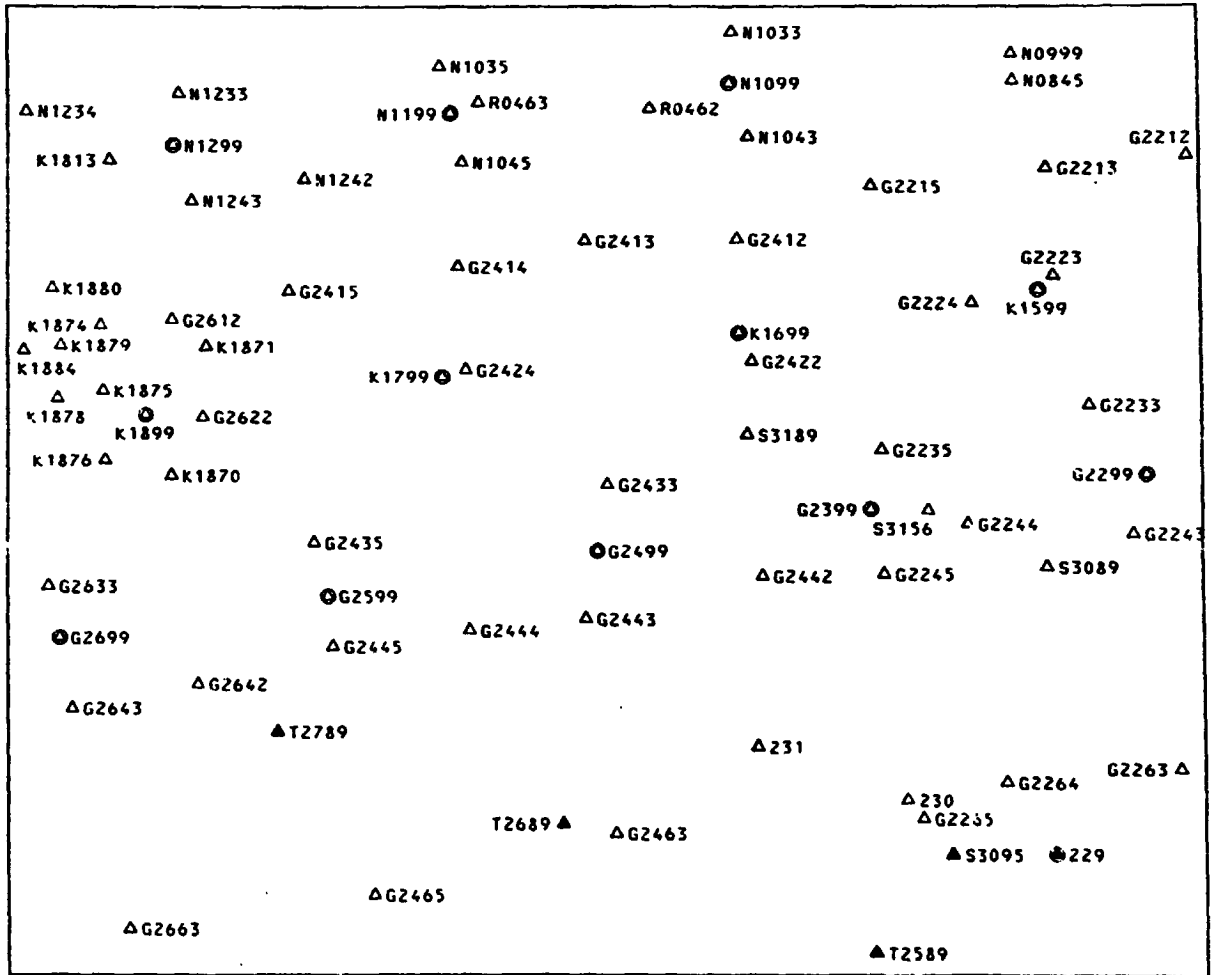


MAP SHEET 65B

TERRAIN POINTS ON MAP SHEET 65B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R0599	X = -900024	61	LAT. = 8 58 29.8	5.5
	Y = 1460914	59	LONG. = 121 38 9.4	4.9
	Z = 271003	39	RAD. = 1737168.6	69.4
N1213	X = -888728	38	LAT. = 8 54 1.7	3.8
	Y = 1470272	42	LONG. = 121 9 5.3	4.1
	Z = 269047	29	RAD. = 1738943.4	43.0
N1212	X = -916660	53	LAT. = 9 2 16.5	5.6
	Y = 1451225	63	LONG. = 122 16 42.2	4.5
	Z = 273029	39	RAD. = 1738064.1	68.3
N1015	X = -950232	39	LAT. = 9 8 41.8	3.8
	Y = 1431306	42	LONG. = 123 34 47.4	4.3
	Z = 276564	29	RAD. = 1740133.9	43.2
R0443	X = -957160	38	LAT. = 8 56 7.0	3.6
	Y = 1428078	43	LONG. = 123 49 54.1	4.3
	Z = 270300	28	RAD. = 1740293.9	43.1
N1013	X = -1004726	44	LAT. = 9 31 2.6	6.0
	Y = 1390842	72	LONG. = 125 50 37.9	5.0
	Z = 287660	42	RAD. = 1737731.4	67.4
N0835	X = -1070393	77	LAT. = 8 7 52.6	6.4
	Y = 1350072	55	LONG. = 128 24 31.8	6.0
	Z = 246167	46	RAD. = 1740411.8	75.1

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



○ RANGE
 △ OBSERVATION
 ▲ ◊ < 30M
 △ ◊ < 100M
 ▼ ◊ > 100M

MAP SHEET 65C

TERRAIN POINTS ON MAP SHEET 65C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N1234	X = -866408	36	LAT. = 7 8 23.0	3.2
	Y = 1490996	44	LONG. = 120 9 38.1	3.9
	Z = 216006	25	RAD. = 1737927.0	44.9
K1813	X = -886011	33	LAT. = 6 44 20.6	2.8
	Y = 1482760	38	LONG. = 120 51 36.3	3.9
	Z = 204106	23	RAD. = 1739324.9	38.3
K1880	X = -873266	32	LAT. = 5 40 55.3	2.6
	Y = 1489997	36	LONG. = 120 22 26.3	3.8
	Z = 171835	21	RAD. = 1735572.5	36.1
K1874	X = -884405	31	LAT. = 5 22 29.2	2.5
	Y = 1484481	35	LONG. = 120 47 6.4	3.7
	Z = 162573	21	RAD. = 1735593.4	34.6
K1879	X = -876778	59	LAT. = 5 12 37.2	3.7
	Y = 1491392	59	LONG. = 120 27 3.4	4.8
	Z = 157759	34	RAD. = 1737203.9	74.8
K1884	X = -868448	38	LAT. = 5 10 15.8	2.8
	Y = 1495736	39	LONG. = 120 8 24.5	4.0
	Z = 156523	24	RAD. = 1736643.0	42.7
K1875	X = -885918	31	LAT. = 4 50 5.2	2.4
	Y = 1485852	35	LONG. = 120 48 17.7	3.7
	Z = 146323	21	RAD. = 1736092.6	34.5
K1878	X = -876818	33	LAT. = 4 46 16.1	2.6
	Y = 1493371	37	LONG. = 120 25 8.1	3.8
	Z = 144541	22	RAD. = 1737774.3	37.3
K1876	X = -887638	31	LAT. = 4 15 35.7	2.4
	Y = 1487582	34	LONG. = 120 49 28.1	3.7
	Z = 129032	21	RAD. = 1737081.0	34.3
G2633	X = -877295	34	LAT. = 3 12 56.0	2.7
	Y = 1498814	41	LONG. = 120 20 29.6	3.9
	Z = 97569	23	RAD. = 1739427.5	42.3
G2699	X = -879960	32	LAT. = 2 47 26.1	2.7
	Y = 1497822	31	LONG. = 120 26 2.2	3.8
	Z = 84676	23	RAD. = 1739244.7	31.1
G2643	X = -883286	34	LAT. = 2 12 19.8	3.0
	Y = 1496917	41	LONG. = 120 32 36.9	3.9
	Z = 66938	26	RAD. = 1739377.6	42.1

TERRAIN POINTS ON MAP SHEET 65C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N1233	X = -898973 Y = 1470095 Z = 220351	35 38 23	LAT. = 7 17 13.7 LONG. = 121 26 45.9 RAD. = 1737206.4	2.8 3.9 38.6
N1299	X = -898382 Y = 1471860 Z = 207402	32 31 22	LAT. = 6 51 30.3 LONG. = 121 23 55.4 RAD. = 1736800.9	2.6 3.9 30.5
N1243	X = -903647 Y = 1471110 Z = 193644	35 38 24	LAT. = 6 23 58.6 LONG. = 121 33 39.0 RAD. = 1737308.9	2.8 4.0 39.7
G2612	X = -901712 Y = 1477799 Z = 164101	31 34 20	LAT. = 5 24 53.9 LONG. = 121 23 25.3 RAD. = 1738937.4	2.4 3.8 33.8
K1871	X = -911066 Y = 1475984 Z = 157631	32 34 22	LAT. = 5 11 33.7 LONG. = 121 41 7.3 RAD. = 1741671.1	2.5 3.8 34.0
K1899	X = -895884 Y = 1481222 Z = 140279	31 30 21	LAT. = 4 37 58.4 LONG. = 121 10 .1 RAD. = 1736751.1	2.4 3.8 30.2
G2622	X = -910731 Y = 1477259 Z = 140013	32 34 21	LAT. = 4 36 45.3 LONG. = 121 39 13.9 RAD. = 1741071.0	2.5 3.8 34.4
K1870	X = -904173 Y = 1482309 Z = 125286	34 39 22	LAT. = 4 7 37.6 LONG. = 121 22 55.9 RAD. = 1740823.1	2.6 3.9 40.4
G2642	X = -910667 Y = 1479998 Z = 72846	34 40 27	LAT. = 2 24 1.6 LONG. = 121 36 16.8 RAD. = 1739257.3	3.1 3.9 40.9
G2663	X = -896627 Y = 1491065 Z = 11601	37 49 38	LAT. = 0 22 55.2 LONG. = 121 1 11.5 RAD. = 1739928.2	4.4 4.3 50.0
N1242	X = -927515 Y = 1454784 Z = 198865	37 44 24	LAT. = 6 34 30.3 LONG. = 122 31 12.2 RAD. = 1736728.6	2.9 4.1 46.0
G2415	X = -926473 Y = 1460643 Z = 171114	33 36 21	LAT. = 5 38 59.1 LONG. = 122 23 11.8 RAD. = 1738134.2	2.6 3.9 36.4

TERRAIN POINTS ON MAP SHEET 65C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2435	X = -935179 Y = 1462628 Z = 108267	36 41 23	LAT. = 3 34 6.9 LONG. = 122 35 38.9 RAD. = 1739414.6	2.7 4.0 43.2
G2599	X = -938272 Y = 1460895 Z = 94811	33 32 23	LAT. = 3 7 32.3 LONG. = 122 42 39.4 RAD. = 1738837.7	2.7 4.0 31.8
G2445	X = -939895 Y = 1461445 Z = 82224	35 41 25	LAT. = 2 42 33.3 LONG. = 122 44 46.2 RAD. = 1739536.2	2.9 4.0 43.0
T2789	X = -928132 Y = 1469486 Z = 60878	19 23 17	LAT. = 2 0 21.8 LONG. = 122 16 35.9 RAD. = 1739116.3	2.0 2.3 23.0
N1035	X = -956658 Y = 1436701 Z = 227461	34 38 23	LAT. = 7 30 25.9 LONG. = 123 39 30.7 RAD. = 1740989.3	2.8 4.0 37.6
R0463	X = -964925 Y = 1431152 Z = 218287	37 42 25	LAT. = 7 12 27.6 LONG. = 123 59 20.4 RAD. = 1739806.1	2.9 4.3 43.4
N1199	X = -959541 Y = 1436037 Z = 215613	33 32 22	LAT. = 7 6 57.6 LONG. = 123 45 1.2 RAD. = 1740520.7	2.6 4.0 31.6
J1045	X = -963092 Y = 1436018 Z = 203528	35 37 22	LAT. = 6 42 48.0 LONG. = 123 50 54.6 RAD. = 1741010.5	2.7 4.0 38.5
G2414	X = -963263 Y = 1438083 Z = 177352	33 35 21	LAT. = 5 51 1.1 LONG. = 123 48 54.5 RAD. = 1739946.3	2.5 3.9 34.7
G2424	X = -966214 Y = 1439117 Z = 151561	32 35 21	LAT. = 4 59 49.3 LONG. = 123 52 37.7 RAD. = 1739999.6	2.5 3.9 34.7
K1799	X = -961256 Y = 1442431 Z = 149851	33 32 22	LAT. = 4 56 27.4 LONG. = 123 40 48.1 RAD. = 1739849.5	2.5 3.9 31.4
G2444	X = -969269 Y = 1442651 Z = 86343	35 40 26	LAT. = 2 50 38.6 LONG. = 123 53 45.0 RAD. = 1740166.2	3.1 4.1 41.7

TERRAIN POINTS ON MAP SHEET 65C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2465	X = -950051 Y = 1458055 Z = 20054	39 49 39	LAT. = 0 39 36.8 LONG. = 123 5 16.0 RAD. = 1740379.8	4.5 4.4 50.8
G2413	X = -990082 Y = 1419964 Z = 183879	35 39 23	LAT. = 6 3 48.4 LONG. = 124 53 11.3 RAD. = 1740796.4	2.8 4.1 39.3
G2499	X = -994915 Y = 1421889 Z = 106212	38 36 30	LAT. = 3 30 8.3 LONG. = 124 58 51.6 RAD. = 1738650.0	3.5 4.7 34.4
G2443	X = -992433 Y = 1423741 Z = 89131	38 42 27	LAT. = 2 56 23.9 LONG. = 124 52 43.7 RAD. = 1737787.1	3.1 4.2 45.1
T2689	X = -988843 Y = 1429364 Z = 37850	19 19 14	LAT. = 1 14 51.1 LONG. = 124 40 32.6 RAD. = 1738483.6	1.7 2.2 19.3
R0462	X = -1000300 Y = 1405610 Z = 216696	37 39 23	LAT. = 7 9 33.1 LONG. = 125 26 14.9 RAD. = 1738763.3	2.9 4.2 40.6
G2433	X = -996207 Y = 1419292 Z = 122825	38 48 25	LAT. = 4 3 5.9 LONG. = 125 3 54.6 RAD. = 1738362.5	2.9 4.3 48.7
G2463	X = -1002140 Y = 1424670 Z = 35511	41 49 38	LAT. = 1 10 4.5 LONG. = 125 7 23.8 RAD. = 1742191.1	4.4 4.5 51.7
N1033	X = -1016258 Y = 1392151 Z = 235803	35 41 24	LAT. = 7 47 24.3 LONG. = 126 7 44.8 RAD. = 1739674.8	3.1 4.2 40.2
N1099	X = -1017353 Y = 1394657 Z = 223206	34 34 23	LAT. = 7 22 2.6 LONG. = 126 6 33.9 RAD. = 1740659.5	2.7 4.2 33.0
N1043	X = -1021996 Y = 1393517 Z = 209825	35 40 23	LAT. = 6 55 22.4 LONG. = 126 15 21.9 RAD. = 1740802.4	2.8 4.2 39.7
G2412	X = -1021444 Y = 1397598 Z = 184208	35 37 22	LAT. = 6 4 26.8 LONG. = 126 9 41.3 RAD. = 1740850.5	2.6 4.2 37.2

TERRAIN POINTS ON MAP SHEET 65C (CONTINUED)

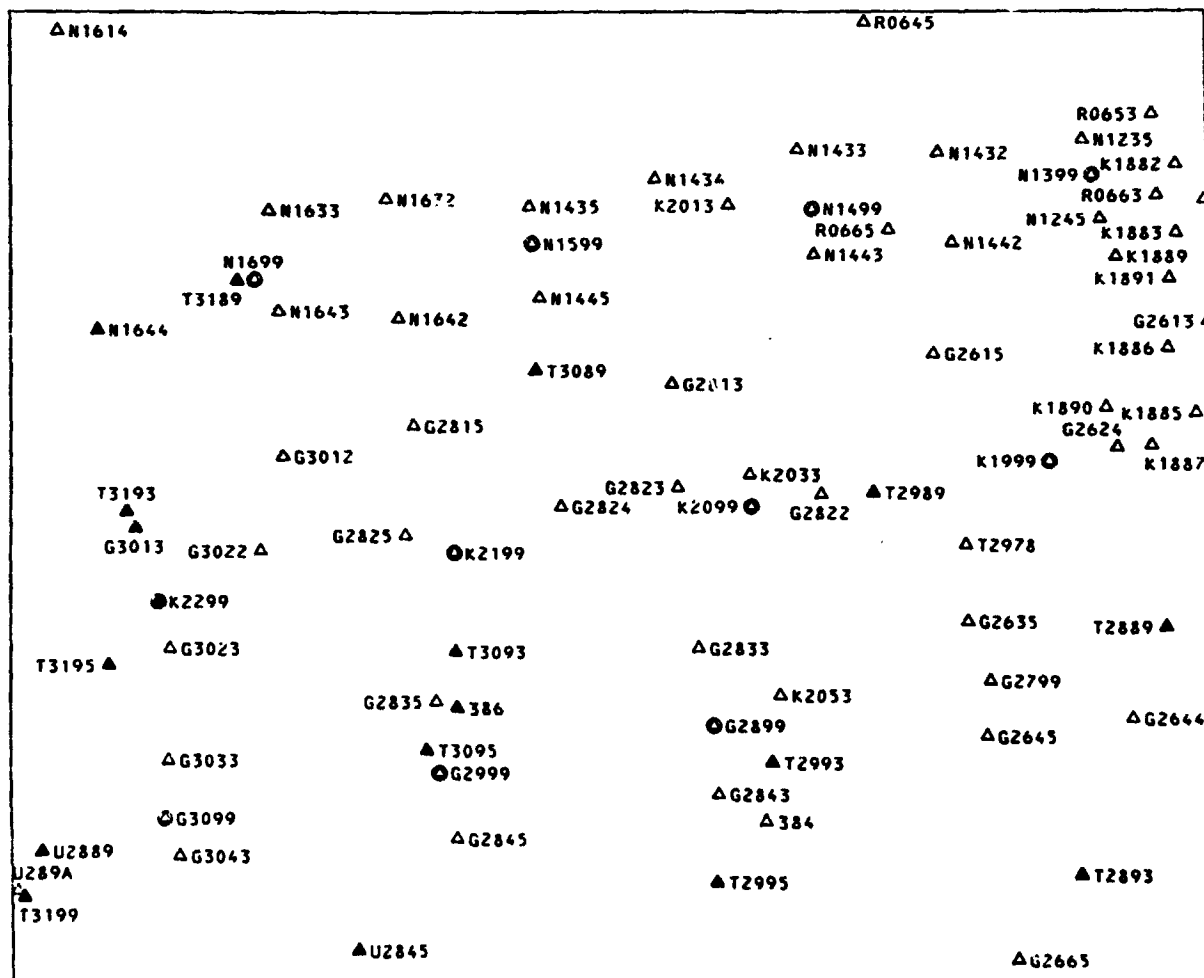
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K1699	X = -1021132 Y = 1396548 Z = 160557	34 34 23	LAT. = 5 18 7.7 LONG. = 126 10 25.0 RAD. = 1737479.6	2.7 4.2 33.2
G2422	X = -1023863 Y = 1394920 Z = 153437	34 37 22	LAT. = 5 4 2.6 LONG. = 126 16 42.4 RAD. = 1737135.9	2.6 4.1 36.5
S3189	X = -1023633 Y = 1396868 Z = 135079	45 41 43	LAT. = 4 27 36.2 LONG. = 126 14 3.1 RAD. = 1737040.9	5.6 2.7 53.6
G2442	X = -1028020 Y = 1396599 Z = 99792	37 42 27	LAT. = 3 17 36.4 LONG. = 126 21 22.8 RAD. = 1737029.5	3.1 4.3 43.8
231	X = -1029970 Y = 1401782 Z = 57145	41 37 16	LAT. = 1 52 53.7 LONG. = 126 18 24.7 RAD. = 1740430.5	2.0 2.6 50.3
G2215	X = -1046172 Y = 1374021 Z = 197295	37 41 24	LAT. = 6 31 2.7 LONG. = 127 17 7.6 RAD. = 1738198.0	2.9 4.3 41.1
G2235	X = -1050090 Y = 1375664 Z = 131255	40 44 25	LAT. = 4 20 13.6 LONG. = 127 21 20.4 RAD. = 1735617.6	2.9 4.4 46.6
G2399	X = -1049726 Y = 1380074 Z = 116525	36 36 24	LAT. = 3 50 40.7 LONG. = 127 15 27.8 RAD. = 1737845.5	2.9 4.4 35.6
S3156	X = -1060918 Y = 1370916 Z = 116285	25 29 24	LAT. = 3 50 15.9 LONG. = 127 44 7.4 RAD. = 1737377.4	3.0 2.4 31.9
G2245	X = -1052336 Y = 1378118 Z = 100321	39 43 27	LAT. = 3 18 40.5 LONG. = 127 21 55.7 RAD. = 1736860.4	3.1 4.4 45.9
230	X = -1058901 Y = 1377990 Z = 43822	26 27 15	LAT. = 1 26 40.1 LONG. = 127 32 24.3 RAD. = 1738403.7	1.8 2.3 31.9
G2265	X = -1062827 Y = 1376410 Z = 39201	42 30 40	LAT. = 1 17 28.8 LONG. = 127 40 27.7 RAD. = 1739437.8	4.7 4.7 52.9

TERRAIN POINTS ON MAP SHEET 65C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S3095	X = -1070177 Y = 1373767 Z = 30203	27 23 14	LAT. = 0 59 37.1 LONG. = 127 55 8.0 RAD. = 1741673.7	1.7 2.4 28.7
T2589	X = -1054748 Y = 1385978 Z = 5524	19 18 13	LAT. = 0 10 54.2 LONG. = 127 16 17.9 RAD. = 1741682.5	1.5 2.2 18.8
N0999	X = -1073318 Y = 1350704 Z = 230537	37 43 26	LAT. = 7 36 40.2 LONG. = 128 28 18.9 RAD. = 1740562.9	3.2 4.5 42.1
N0845	X = -1074161 Y = 1351403 Z = 223858	40 44 27	LAT. = 7 23 19.0 LONG. = 128 28 45.8 RAD. = 1740753.9	3.3 4.6 44.3
G2213	X = -1081737 Y = 1348024 Z = 201990	36 39 23	LAT. = 6 39 56.5 LONG. = 128 44 44.5 RAD. = 1740150.5	2.8 4.3 38.4
G2223	X = -1084833 Y = 1349413 Z = 175245	36 39 23	LAT. = 5 46 46.2 LONG. = 128 47 48.5 RAD. = 1740255.5	2.7 4.3 38.2
K1599	X = -1081982 Y = 1351950 Z = 171605	36 35 24	LAT. = 5 39 34.7 LONG. = 128 40 14.5 RAD. = 1740086.8	2.8 4.4 34.7
G2224	X = -1069521 Y = 1363036 Z = 168485	37 43 24	LAT. = 5 33 15.7 LONG. = 128 7 11.6 RAD. = 1740726.8	2.8 4.4 42.6
G2244	X = -1068952 Y = 1364988 Z = 112909	43 49 30	LAT. = 3 43 34.0 LONG. = 128 3 55.0 RAD. = 1737412.3	3.3 4.5 53.8
S3089	X = -1087161 Y = 1355926 Z = 102365	25 26 22	LAT. = 3 22 15.0 LONG. = 128 43 19.6 RAD. = 1740957.4	2.7 2.4 29.3
G2264	X = -1080524 Y = 1364482 Z = 48298	61 70 62	LAT. = 1 35 22.3 LONG. = 128 22 31.7 RAD. = 1741170.7	7.1 5.0 84.7
229	X = -1090314 Y = 1357274 Z = 30414	22 19 14	LAT. = 1 0 3.0 LONG. = 128 46 31.1 RAD. = 1741236.0	1.7 2.4 21.2

TERRAIN POINTS ON MAP SHEET 65C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2212	X = -1108527	49	LAT. = 6 46 10.7	3.8
	Y = 1325969	49	LONG. = 129 53 45.8	4.7
	Z = 205159	29	RAD. = 1740436.0	55.0
G2233	X = -1093939	38	LAT. = 4 42 45.0	2.8
	Y = 1347106	40	LONG. = 129 4 43.9	4.4
	Z = 143052	24	RAD. = 1741224.1	41.2
G2299	X = -1105768	38	LAT. = 4 8 26.1	2.9
	Y = 1339230	36	LONG. = 129 32 44.2	4.5
	Z = 125728	25	RAD. = 1741283.5	35.8
G2243	X = -1103811	44	LAT. = 3 38 55.7	3.2
	Y = 1342041	43	LONG. = 129 26 12.6	4.6
	Z = 110811	28	RAD. = 1741192.9	47.6
G2263	X = -1113509	44	LAT. = 1 42 23.7	4.7
	Y = 1336392	50	LONG. = 129 48 6.3	4.8
	Z = 51827	40	RAD. = 1740268.0	53.5



○ RANGE
 OBSERVATION ▲ ◦ < 30M
 ▲ ◦ < 100M
 ▼ ◦ > 100M

MAP SHEET 65D

TERRAIN POINTS ON MAP SHEET 65D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N1614	X = -599889 Y = 1613483 Z = 237174	26 39 22	LAT. = 7 50 41.4 LONG. = 110 23 42.1 RAD. = 1737654.9	2.8 3.1 38.2
N1644	X = -612671 Y = 1619205 Z = 163167	23 28 18	LAT. = 5 23 2.9 LONG. = 110 43 31.9 RAD. = 1738911.5	2.1 2.8 27.4
T3193	X = -619672 Y = 1617209 Z = 117519	18 24 14	LAT. = 3 52 55.1 LONG. = 110 57 55.9 RAD. = 1735848.2	1.6 2.0 25.2
T3195	X = -616716 Y = 1622623 Z = 79265	19 24 15	LAT. = 2 36 52.1 LONG. = 110 48 37.7 RAD. = 1737678.5	1.8 2.2 24.9
U2889	X = -601722 Y = 1631038 Z = 32763	15 23 17	LAT. = 1 4 46.8 LONG. = 110 15 .0 RAD. = 1738800.2	2.0 1.8 22.4
U289A	X = -596179 Y = 1633674 Z = 23022	23 32 27	LAT. = 0 45 30.4 LONG. = 110 2 55.0 RAD. = 1739209.9	3.2 2.0 35.3
T3199	X = -597778 Y = 1633046 Z = 21428	20 23 18	LAT. = 0 42 21.4 LONG. = 110 6 18.7 RAD. = 1739148.3	2.1 2.1 24.7
T3189	X = -644681 Y = 1604487 Z = 175209	17 26 17	LAT. = 5 47 9.0 LONG. = 111 53 24.7 RAD. = 1738013.2	2.2 2.1 24.9
G3013	X = -621846 Y = 1616950 Z = 113351	24 29 18	LAT. = 3 44 36.6 LONG. = 111 2 8.6 RAD. = 1736107.6	2.1 2.8 29.4
K2299	X = -627822 Y = 1616833 Z = 95102	24 24 18	LAT. = 3 8 18.4 LONG. = 111 13 16.9 RAD. = 1737053.3	2.1 2.8 24.3
G3023	X = -631601 Y = 1618681 Z = 83373	29 36 21	LAT. = 2 44 49.7 LONG. = 111 18 55.7 RAD. = 1739539.9	2.5 3.1 37.7
G3033	X = -631827 Y = 1620440 Z = 55318	25 33 20	LAT. = 1 49 18.2 LONG. = 111 18 4.8 RAD. = 1740141.5	2.3 3.0 33.5

TERRAIN POINTS ON MAP SHEET 65D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G3099	X = -631166 Y = 1621487 Z = 40747	27 27 22	LAT. = 1 20 29.4 LONG. = 111 16 6.7 RAD. = 1740474.7	2.6 3.2 27.0
G3043	X = -634686 Y = 1620124 Z = 31338	25 33 21	LAT. = 1 1 54.5 LONG. = 111 23 34.2 RAD. = 1740290.4	2.5 3.0 33.4
N1633	X = -651338 Y = 1599158 Z = 192651	26 36 21	LAT. = 6 21 58.4 LONG. = 112 9 40.0 RAD. = 1737430.3	2.5 3.3 35.7
N1699	X = -648759 Y = 1602786 Z = 175455	26 25 20	LAT. = 5 47 38.6 LONG. = 112 2 11.8 RAD. = 1737986.3	2.4 3.2 25.5
N1643	X = -654708 Y = 1601174 Z = 167521	27 32 20	LAT. = 5 31 52.8 LONG. = 112 14 21.4 RAD. = 1737947.7	2.4 3.2 32.2
G3012	X = -656065 Y = 1602295 Z = 131120	26 30 19	LAT. = 4 19 50.7 LONG. = 112 16 .5 RAD. = 1736365.3	2.2 3.0 30.6
G3022	X = -653147 Y = 1609779 Z = 107828	33 46 24	LAT. = 3 33 6.2 LONG. = 112 5 3.2 RAD. = 1740578.8	2.9 3.3 48.2
U2845	X = -675239 Y = 1600297 Z = 7481	15 22 17	LAT. = 0 14 48.4 LONG. = 112 52 37.6 RAD. = 1736938.0	2.0 1.9 22.0
N1632	X = -678658 Y = 1588088 Z = 195298	26 31 20	LAT. = 6 27 6.5 LONG. = 113 8 20.8 RAD. = 1738028.0	2.4 3.2 30.2
N1642	X = -683050 Y = 1590572 Z = 165750	28 35 21	LAT. = 5 28 10.2 LONG. = 113 14 25.6 RAD. = 1738950.9	2.5 3.2 35.2
G2815	X = -687794 Y = 1592205 Z = 138958	26 30 19	LAT. = 4 34 50.4 LONG. = 113 21 47.4 RAD. = 1739967.5	2.2 3.0 30.2
G2825	X = -686924 Y = 1595808 Z = 111630	27 30 19	LAT. = 3 40 34.7 LONG. = 113 17 23.0 RAD. = 1740956.4	2.2 3.1 30.7

TERRAIN POINTS ON MAP SHEET 65D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K2199	X = -697936 Y = 1589827 Z = 107131	27 26 20	LAT. = 3 31 50.8 LONG. = 113 42 5.5 RAD. = 1739581.2	2.3 3.2 26.3
T3093	X = -697600 Y = 1589013 Z = 82244	18 23 14	LAT. = 2 42 48.0 LONG. = 113 42 7.8 RAD. = 1737346.1	1.6 2.0 23.3
G2835	X = -693315 Y = 1591470 Z = 69714	28 35 20	LAT. = 2 17 59.0 LONG. = 113 32 24.3 RAD. = 1737332.6	2.4 3.2 35.3
386	X = -698151 Y = 1589402 Z = 68138	18 23 13	LAT. = 2 14 51.9 LONG. = 113 42 49.2 RAD. = 1737312.6	1.6 2.0 23.3
T3095	X = -691928 Y = 1594479 Z = 57630	18 22 13	LAT. = 1 53 56.5 LONG. = 113 27 30.8 RAD. = 1739094.6	1.6 2.0 23.0
G2999	X = -695311 Y = 1594283 Z = 51991	28 28 22	LAT. = 1 42 43.8 LONG. = 113 33 48.0 RAD. = 1740085.8	2.6 3.4 27.7
G2845	X = -698176 Y = 1590134 Z = 35393	27 35 23	LAT. = 1 10 3.1 LONG. = 113 42 16.9 RAD. = 1737016.8	2.7 3.2 35.4
N1435	X = -712114 Y = 1573880 Z = 193472	29 41 24	LAT. = 6 23 25.0 LONG. = 114 20 41.0 RAD. = 1738285.4	3.0 3.5 40.4
N1599	X = -713295 Y = 1574816 Z = 184291	28 28 22	LAT. = 6 5 4.9 LONG. = 114 22 3.4 RAD. = 1738619.5	2.6 3.4 27.8
N1445	X = -715574 Y = 1575362 Z = 170766	29 37 22	LAT. = 5 38 11.3 LONG. = 114 25 44.0 RAD. = 1738670.2	2.6 3.4 37.6
T3089	X = -715142 Y = 1577377 Z = 152674	17 24 19	LAT. = 5 2 16.0 LONG. = 114 23 17.9 RAD. = 1738635.6	2.3 2.1 23.2
G2824	X = -721844 Y = 1577094 Z = 118679	27 31 20	LAT. = 3 54 51.7 LONG. = 114 35 37.8 RAD. = 1738496.8	2.3 3.2 31.6

TERRAIN POINTS ON MAP SHEET 65D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N1434	X = -740823	31	LAT. = 6 37 6.5	2.9
	Y = 1560090	36	LONG. = 115 24 4.1	3.4
	Z = 200391	23	RAD. = 1738636.0	37.0
G2813	X = -746657	28	LAT. = 4 55 37.8	2.6
	Y = 1563086	36	LONG. = 115 31 58.6	3.4
	Z = 149335	22	RAD. = 1738688.2	35.2
G2823	X = -748662	28	LAT. = 4 4 22.7	2.3
	Y = 1564604	33	LONG. = 115 34 15.9	3.3
	Z = 123508	20	RAD. = 1738888.6	32.7
G2833	X = -754294	30	LAT. = 2 44 38	2.5
	Y = 1565069	40	LONG. = 115 43 55.3	3.5
	Z = 83272	21	RAD. = 1739348.8	40.3
G2899	X = -758195	29	LAT. = 2 6 17.6	2.5
	Y = 1564460	29	LONG. = 115 51 23.6	3.4
	Z = 63897	21	RAD. = 1739677.5	28.8
G2843	X = -759849	29	LAT. = 1 32 21.8	2.8
	Y = 1565431	29	LONG. = 115 53 29.7	3.5
	Z = 46763	24	RAD. = 1740727.6	39.6
T2995	X = -758756	19	LAT. = 0 48 49.2	1.6
	Y = 1564497	21	LONG. = 115 52 21.5	2.1
	Z = 24694	13	RAD. = 1738956.7	22.7
N1433	X = -773155	31	LAT. = 6 51 33.8	2.8
	Y = 1545225	36	LONG. = 116 34 52.1	3.5
	Z = 207851	22	RAD. = 1740313.8	36.3
K2013	X = -758152	33	LAT. = 6 24 3.6	3.5
	Y = 1553635	46	LONG. = 116 0 42.2	3.8
	Z = 193941	28	RAD. = 1739593.9	45.4
N1499	X = -776815	30	LAT. = 6 22 12.6	2.5
	Y = 1544118	29	LONG. = 116 42 21.8	3.5
	Z = 192972	21	RAD. = 1739246.9	28.8
N1443	X = -778034	31	LAT. = 5 59 34.7	2.5
	Y = 1545973	35	LONG. = 116 42 52.2	3.5
	Z = 181691	21	RAD. = 1740224.7	36.2
K2033	X = -765521	28	LAT. = 4 10 47.8	2.3
	Y = 1557756	32	LONG. = 116 10 14.4	3.3
	Z = 74850	20	RAD. = 1740321.4	32.2

TERRAIN POINTS ON MAP SHEET 65D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2822	X = -781259 Y = 1549345 Z = 121789	29 32 20	LAT. = 4 0 53.6 LONG. = 116 45 34.5 RAD. = 1739444.6	2.4 3.4 32.8
K2099	X = -765802 Y = 1557541 Z = 118809	29 28 21	LAT. = 3 54 57.5 LONG. = 116 10 55.7 RAD. = 1739684.6	2.5 3.5 27.8
K2053	X = -772979 Y = 1556605 Z = 71435	29 36 21	LAT. = 2 21 13.2 LONG. = 116 24 29.1 RAD. = 1739430.9	2.5 3.4 35.7
T2993	X = -771388 Y = 1558129 Z = 54622	18 22 13	LAT. = 1 47 58.0 LONG. = 116 20 19.7 RAD. = 1739479.2	1.6 2.1 22.6
384	X = -768768 Y = 1556700 Z = 39779	19 36 15	LAT. = 1 18 45.0 LONG. = 116 16 55.9 RAD. = 1736635.4	1.8 2.5 35.2
R0645	X = -786776 Y = 1533356 Z = 239564	52 59 33	LAT. = 7 54 49.2 LONG. = 117 9 45.7 RAD. = 1739996.6	4.5 4.4 66.9
N1432	X = -802744 Y = 1525279 Z = 206539	33 38 24	LAT. = 6 49 59.1 LONG. = 117 45 27.1 RAD. = 1735952.8	3.0 3.7 38.9
R0665	X = -793719 Y = 1533839 Z = 187459	35 41 23	LAT. = 6 11 43.8 LONG. = 117 20 54.6 RAD. = 1736996.9	2.9 3.7 44.0
N1442	X = -806806 Y = 1525711 Z = 184223	33 37 22	LAT. = 6 5 33.7 LONG. = 117 52 12.7 RAD. = 1735703.5	2.7 3.7 38.8
G2615	X = -805035 Y = 1532884 Z = 156874	30 34 21	LAT. = 5 10 37.5 LONG. = 117 42 26.7 RAD. = 1738511.8	2.5 3.5 34.3
T2989	X = -792924 Y = 1542945 Z = 122206	18 24 18	LAT. = 4 1 46.4 LONG. = 117 11 55.6 RAD. = 1739063.2	2.2 2.2 22.7
T2978	X = -813668 Y = 1533007 Z = 109161	21 34 26	LAT. = 3 35 56.4 LONG. = 117 57 28.2 RAD. = 1738989.1	3.2 2.3 34.0

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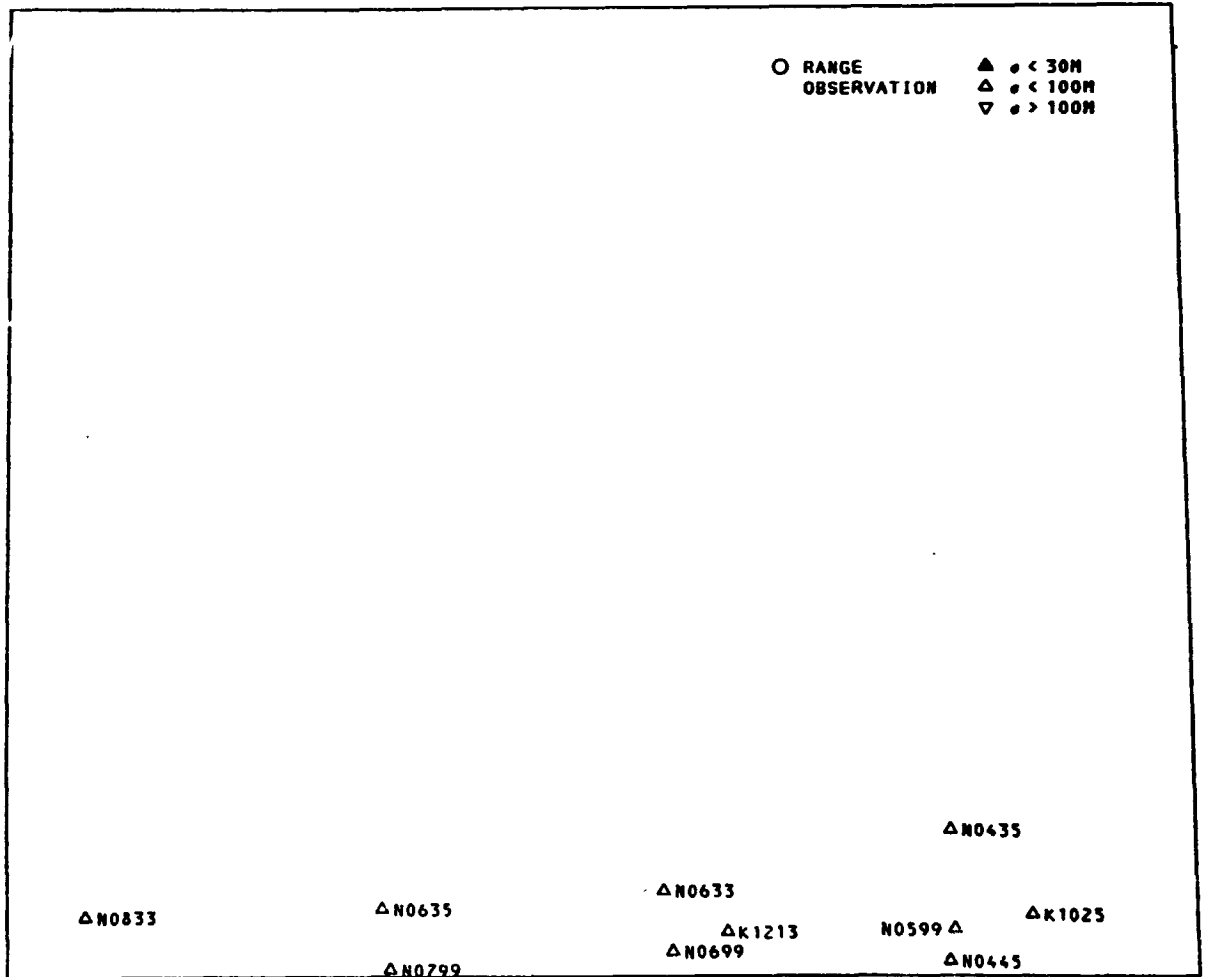
A-301

TERRAIN POINTS ON MAP SHEET 65D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2635	X = -814387 Y = 1533862 Z = 90002	32 41 22	LAT. = 2 58 .2 LONG. = 117 57 56.0 RAD. = 1738982.1	2.6 3.7 41.8
N1235	X = -834922 Y = 1508068 Z = 209949	33 37 23	LAT. = 6 56 39.2 LONG. = 118 58 13.8 RAD. = 1736502.9	2.8 3.8 38.2
K1999	X = -832165 Y = 1522276 Z = 130205	30 29 21	LAT. = 4 17 31.4 LONG. = 118 39 48.9 RAD. = 1739763.5	2.5 3.6 29.2
G2799	X = -819464 Y = 1531683 Z = 75159	32 41 23	LAT. = 2 28 38.8 LONG. = 118 8 49.9 RAD. = 1738742.2	2.7 3.7 41.8
G2645	X = -819038 Y = 1532753 Z = 61368	32 41 24	LAT. = 2 1 20.7 LONG. = 118 7 5.4 RAD. = 1738942.1	2.8 3.7 41.6
T2893	X = -838991 Y = 1520210 Z = 26699	19 22 13	LAT. = 0 52 51.3 LONG. = 118 53 38.2 RAD. = 1736564.6	1.6 2.1 23.2
G2665	X = -826689 Y = 1531324 Z = 5482	36 48 36	LAT. = 0 10 49.8 LONG. = 118 21 45.0 RAD. = 1740229.2	4.3 4.0 49.8
R0653	X = -849710 Y = 1498758 Z = 216288	38 42 25	LAT. = 7 9 19.5 LONG. = 119 33 2.7 RAD. = 1736393.5	3.3 3.9 45.7
K1882	X = -855210 Y = 1496912 Z = 203812	37 43 24	LAT. = 6 44 32.3 LONG. = 119 44 24.0 RAD. = 1735992.3	3.0 3.9 45.6
N1399	X = -837470 Y = 1507785 Z = 201141	31 30 22	LAT. = 6 39 6.4 LONG. = 119 2 56.9 RAD. = 1736441.4	2.6 3.8 29.7
R0663	X = -851383 Y = 1500019 Z = 196062	44 44 27	LAT. = 6 29 6.5 LONG. = 119 34 47.4 RAD. = 1735900.3	3.4 4.3 50.1
N1244	X = -861838 Y = 1494317 Z = 194934	36 43 24	LAT. = 6 26 50.0 LONG. = 119 58 26.2 RAD. = 1736014.5	2.9 3.9 45.5

TERRAIN POINTS ON MAP SHEET 65D (CONTINUED)

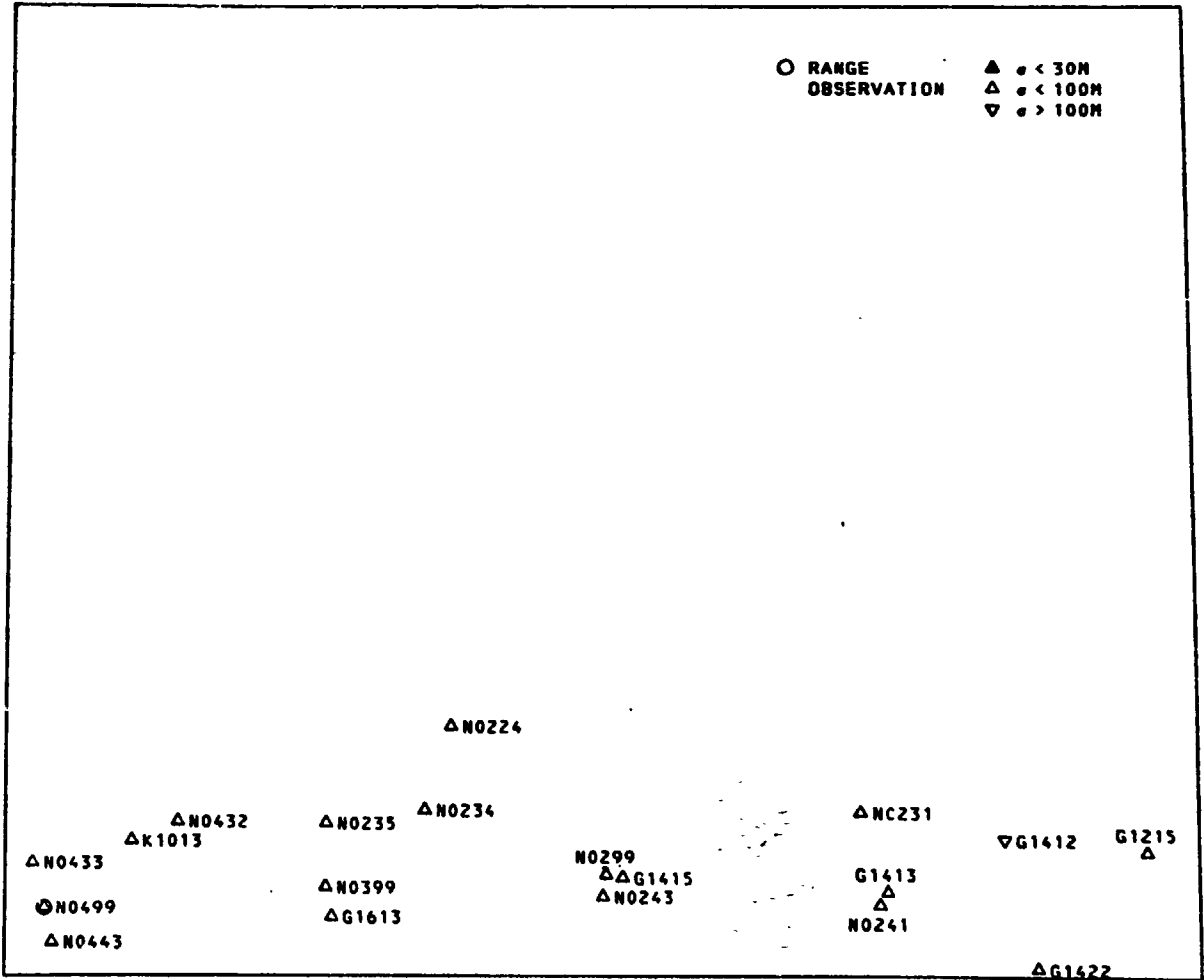
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N1245	X = -840312	33	LAT. = 6 17 24.3	2.6
	Y = 1509046	37	LONG. = 119 6 40.4	3.7
	Z = 190386	22	RAD. = 1737696.8	37.8
K1883	X = -856159	37	LAT. = 6 10 37.5	2.8
	Y = 1498579	42	LONG. = 119 44 23.7	3.9
	Z = 186795	23	RAD. = 1735983.7	45.4
K1889	X = -843740	33	LAT. = 5 58 50.8	2.6
	Y = 1507275	37	LONG. = 119 14 21.0	3.8
	Z = 180967	22	RAD. = 1736814.1	38.0
K1891	X = -855449	35	LAT. = 5 48 8.7	2.9
	Y = 1501208	36	LONG. = 119 40 34.5	3.8
	Z = 175581	23	RAD. = 1736734.6	37.8
G2613	X = -863662	32	LAT. = 5 26 57.4	2.6
	Y = 1496401	35	LONG. = 119 59 30.4	3.7
	Z = 164820	21	RAD. = 1735595.9	36.1
K1886	X = -855385	31	LAT. = 5 13 41.2	2.4
	Y = 1502215	34	LONG. = 119 39 28.3	3.7
	Z = 158178	20	RAD. = 1735901.1	33.6
K1890	X = -844575	31	LAT. = 4 44 10.8	2.4
	Y = 1514735	33	LONG. = 119 8 34.2	3.6
	Z = 143691	21	RAD. = 1740222.8	33.9
K1885	X = -861867	32	LAT. = 4 41 31.5	2.5
	Y = 1499837	35	LONG. = 119 53 .3	3.7
	Z = 141978	21	RAD. = 1735651.2	35.9
K1887	X = -853966	31	LAT. = 4 25 33.6	2.4
	Y = 1508278	33	LONG. = 119 31 4.6	3.6
	Z = 134158	20	RAD. = 1738436.3	33.1
G2624	X = -847519	31	LAT. = 4 24 31.7	2.4
	Y = 1514390	33	LONG. = 119 13 59.8	3.6
	Z = 133801	21	RAD. = 1740565.9	33.8
T2889	X = -858226	18	LAT. = 2 55 34.2	2.1
	Y = 1509629	23	LONG. = 119 37 5.8	2.2
	Z = 88764	17	RAD. = 1738796.3	22.9
G2644	X = -851132	32	LAT. = 2 10 31.0	3.0
	Y = 1514618	40	LONG. = 119 20 1.0	3.8
	Z = 65992	26	RAD. = 1738634.2	40.4



MAP SHEET 66A

TERRAIN POINTS ON MAP SHEET 66A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N0833	X = -1120325	47	LAT. = 8 29 57.5	4.5
	Y = 1304314	47	LONG. = 130 39 37.9	4.9
	Z = 256946	34	RAD. = 1738500.5	50.1
N0635	X = -1177982	49	LAT. = 8 33 31.6	4.3
	Y = 1255914	47	LONG. = 133 9 57.8	5.1
	Z = 259147	33	RAD. = 1741298.3	50.5
N0799	X = -1180836	55	LAT. = 8 3 29.8	5.7
	Y = 1256143	72	LONG. = 133 13 48.1	5.6
	Z = 244085	41	RAD. = 1741219.6	74.1
N0633	X = -1228740	60	LAT. = 8 42 24.5	6.2
	Y = 1205998	70	LONG. = 135 32 6.5	5.7
	Z = 263665	45	RAD. = 1741767.1	73.8
N0699	X = -1232021	58	LAT. = 8 12 17.5	5.4
	Y = 1206198	69	LONG. = 135 36 24.5	5.7
	Z = 248607	39	RAD. = 1742008.7	73.6
K1213	X = -1241664	49	LAT. = 8 21 53.2	4.0
	Y = 1196038	48	LONG. = 136 4 20.1	5.3
	Z = 253498	31	RAD. = 1742554.9	51.0
N0435	X = -1276715	63	LAT. = 9 12 :	6.7
	Y = 1151483	69	LONG. = 137 57	5.8
	Z = 278561	48	RAD. = 1741697.8	74.6
N0599	X = -1276099	54	LAT. = 8 23 8.4	4.3
	Y = 1149945	49	LONG. = 137 58 36.1	5.5
	Z = 253222	33	RAD. = 1736353.6	55.5
N0445	X = -1276023	57	LAT. = 8 7 20.8	4.5
	Y = 1151797	49	LONG. = 137 55 44.9	5.5
	Z = 245334	34	RAD. = 1736393.2	57.3
K1025	X = -1288712	48	LAT. = 8 30 29.9	4.0
	Y = 1135028	50	LONG. = 138 37 41.3	5.5
	Z = 256905	31	RAD. = 1736395.2	50.8



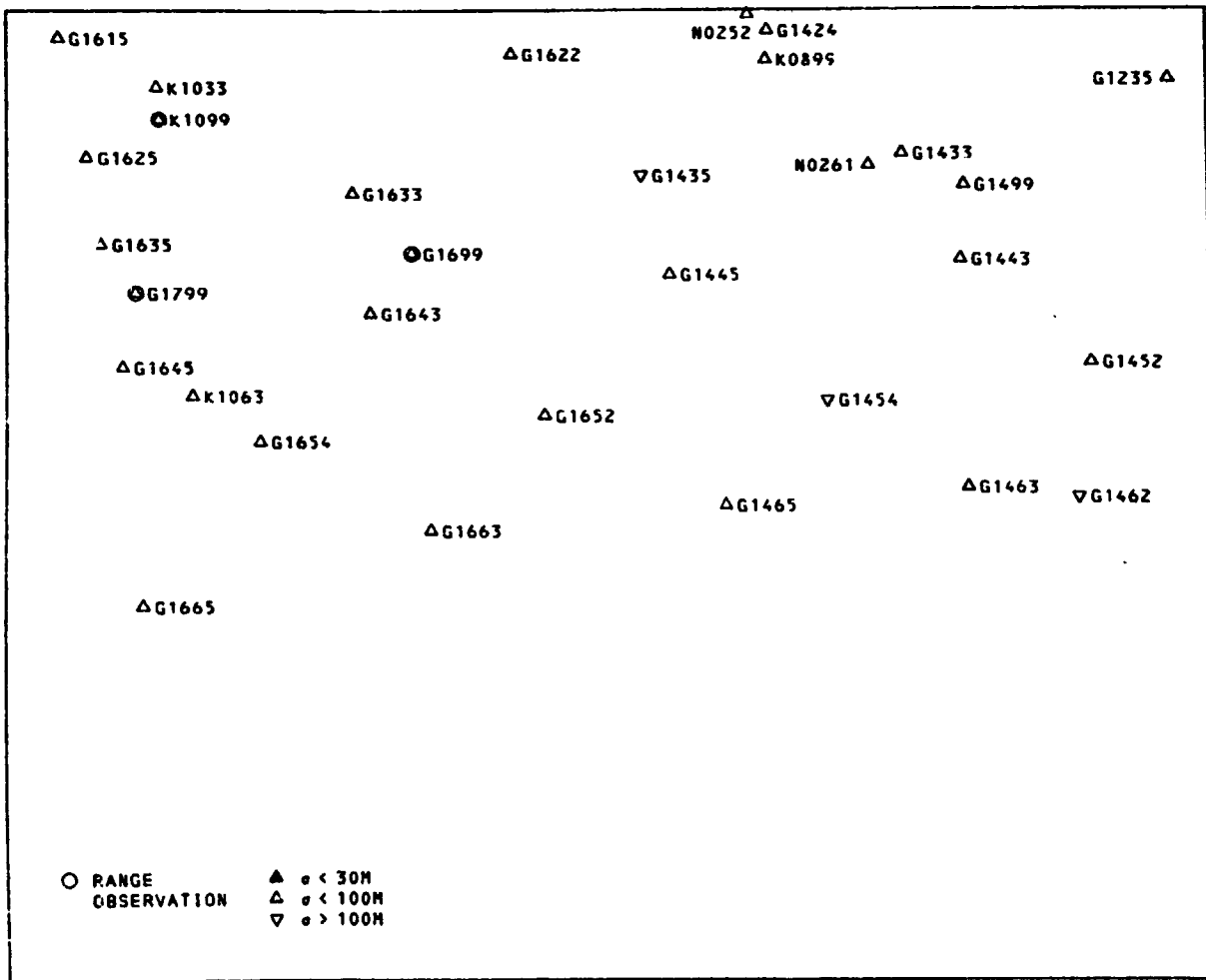
MAP SHEET 66B

TERRAIN POINTS ON MAP SHEET 66B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N0433	X = -1318290 Y = 1097242 Z = 269618	71 68 43	LAT. = 8 56 .8 LONG. = 140 13 43.1 RAD. = 1736238.0	6.0 6.0 80.5
N0499	X = -1321515 Y = 1095991 Z = 258457	61 52 40	LAT. = 8 33 39.9 LONG. = 140 19 46.5 RAD. = 1736202.1	5.4 5.8 60.5
N0443	X = -1323785 Y = 1095411 Z = 249964	56 57 34	LAT. = 8 16 37.8 LONG. = 140 23 34.1 RAD. = 1736321.8	4.5 5.6 62.7
N0432	X = -1340078 Y = 1067892 Z = 279782	53 53 35	LAT. = 9 16 23.9 LONG. = 141 26 56.7 RAD. = 1736225.7	4.5 5.8 55.5
K1013	X = -1333422 Y = 1077518 Z = 275021	54 52 34	LAT. = 9 6 49.7 LONG. = 141 3 31.9 RAD. = 1736288.0	4.4 5.8 55.6
N0235	X = -1364113 Y = 1039245 Z = 279565	73 67 44	LAT. = 9 15 32.6 LONG. = 142 41 53.4 RAD. = 1737523.8	6.2 6.1 80.4
N0399	X = -1365088 Y = 1040221 Z = 263637	61 52 36	LAT. = 8 43 59.0 LONG. = 142 41 31.0 RAD. = 1736384.1	4.8 5.9 60.6
G1613	X = -1367038 Y = 1039767 Z = 256354	55 54 34	LAT. = 8 29 21.0 LONG. = 142 44 36.3 RAD. = 1736555.5	4.4 5.8 57.9
N0224	X = -1382460 Y = 1013304 Z = 303961	65 79 54	LAT. = 10 3 21.6 LONG. = 143 45 34.7 RAD. = 1740796.9	7.6 6.8 77.9
N0234	X = -1379218 Y = 1019375 Z = 282838	67 76 45	LAT. = 9 21 53.0 LONG. = 143 31 55.3 RAD. = 1738207.6	6.4 6.6 80.1
N0299	X = -1408945 Y = 984360 Z = 267181	69 75 45	LAT. = 8 50 9.5 LONG. = 145 3 35.6 RAD. = 1739390.1	6.3 6.6 81.1
G1415	X = -1411475 Y = 981098 Z = 266453	59 62 37	LAT. = 8 48 40.3 LONG. = 145 11 50.4 RAD. = 1739486.1	5.0 6.3 63.9

TERRAIN POINTS ON MAP SHEET 66B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N0243	X = -1408990 Y = 985393 Z = 261732	59 61 36	LAT. = 8 39 19.5 LONG. = 145 1 57.2 RAD. = 1739182.6	4.8 6.3 64.2
N0231	X = -1443155 Y = 930165 Z = 282751	69 70 48	LAT. = 9 21 6.1 LONG. = 147 11 48.4 RAD. = 1740072.0	6.5 7.6 70.8
G1413	X = -1448488 Y = 926050 Z = 262912	68 71 41	LAT. = 8 41 40.7 LONG. = 147 24 30.0 RAD. = 1739198.2	5.6 7.7 71.3
N0241	X = -1448109 Y = 928101 Z = 259691	68 71 41	LAT. = 8 35 9.0 LONG. = 147 20 38.3 RAD. = 1739491.6	5.4 7.6 71.2
G1412	X = -1462324 Y = 899800 Z = 276004	100 80 58	LAT. = 9 7 55.7 LONG. = 148 23 42.3 RAD. = 1739025.2	8.2 8.9 97.4
G1422	X = -1470531 Y = 895550 Z = 244051	95 82 42	LAT. = 8 4 3.5 LONG. = 148 39 31.2 RAD. = 1738974.2	5.9 8.9 97.4
G1215	X = -1481603 Y = 870383 Z = 273223	72 75 41	LAT. = 9 2 4.6 LONG. = 149 34 2.9 RAD. = 1739931.9	5.4 9.1 69.0



MAP SHEET 66C



TERRAIN POINTS ON MAP SHEET 66C

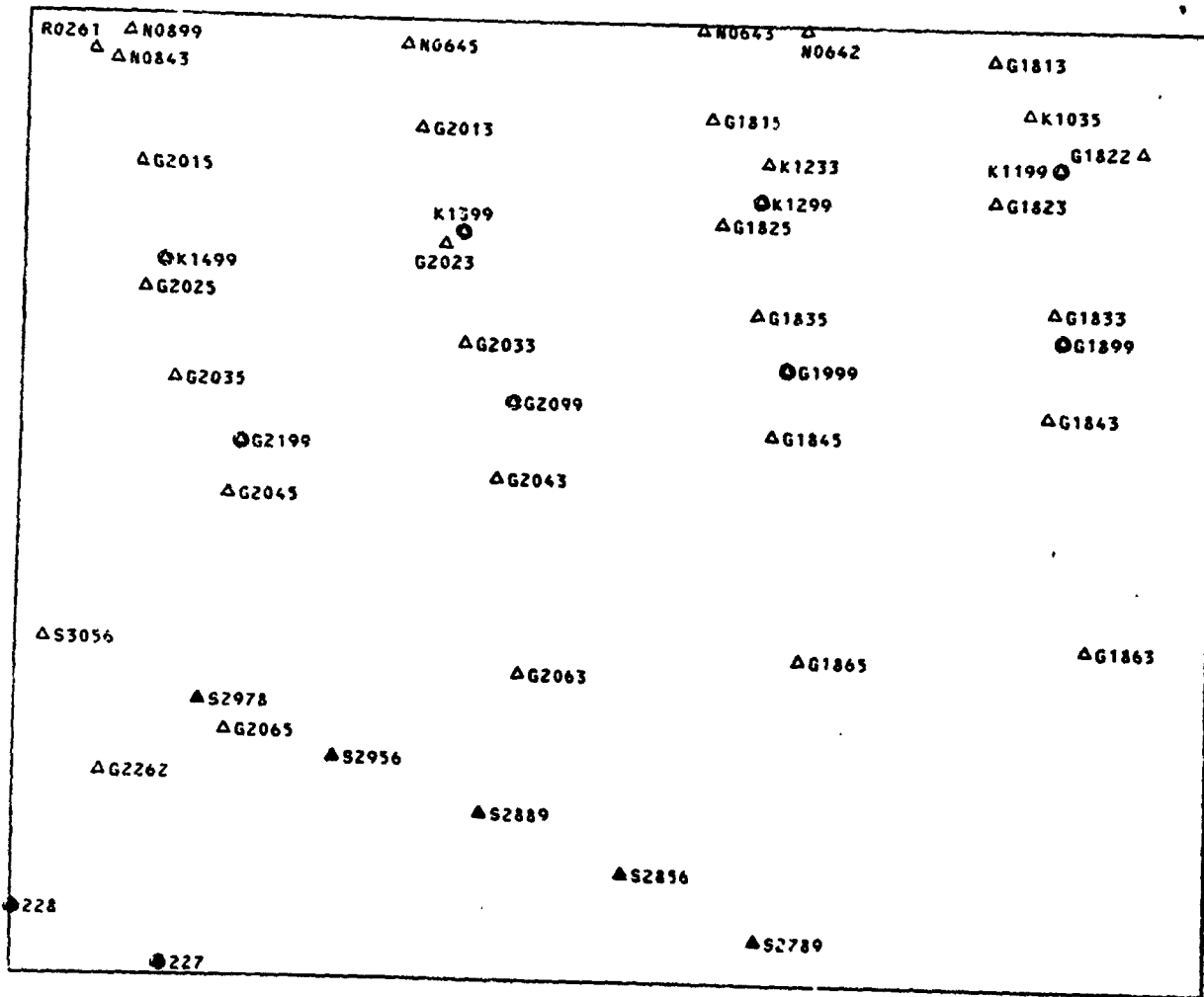
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G1615	X = -1326391 Y = 1096249 Z = 234978	57 50 32	LAT. = 7 46 33.0 LONG. = 140 25 35.8 RAD. = 1736746.8	4.1 5.7 58.4
G1625	X = -1333540 Y = 1092892 Z = 205475	51 52 29	LAT. = 6 47 45.9 LONG. = 140 39 50.2 RAD. = 1736364.6	3.5 5.6 54.9
G1635	X = -1337661 Y = 1091899 Z = 183998	50 50 28	LAT. = 6 4 56.7 LONG. = 140 46 34.0 RAD. = 1736500.5	3.3 5.5 53.6
G1645	X = -1343399 Y = 1089484 Z = 153403	49 50 31	LAT. = 5 4 5.8 LONG. = 140 57 29.8 RAD. = 1736441.9	3.5 5.5 53.4
K1033	X = -1342788 Y = 1078036 Z = 222757	48 48 27	LAT. = 7 22 15.1 LONG. = 141 14 28.7 RAD. = 1736336.1	3.3 5.5 50.0
K1099	X = -1343918 Y = 1078190 Z = 214821	46 44 28	LAT. = 7 6 25.3 LONG. = 141 15 39.0 RAD. = 1736305.5	3.3 5.6 44.2
G1799	X = -1344079 Y = 1085799 Z = 171837	46 44 27	LAT. = 5 40 46.0 LONG. = 141 4 2.6 RAD. = 1736385.3	3.2 5.5 43.8
K1065	X = -1354799 Y = 1076310 Z = 146159	47 48 30	LAT. = 4 49 42.0 LONG. = 141 32 5.5 RAD. = 1736457.6	3.5 5.5 50.0
G1665	X = -1350904 Y = 1089228 Z = 93730	54 53 44	LAT. = 3 5 30.1 LONG. = 141 7 15.4 RAD. = 1737856.4	5.1 5.8 59.9
G1633	X = -1375533 Y = 1041551 Z = 196314	53 51 29	LAT. = 6 29 28.5 LONG. = 142 52 1.4 RAD. = 1736507.3	3.3 5.7 56.1
G1654	X = -1366041 Y = 1063643 Z = 134694	64 61 47	LAT. = 4 26 55.0 LONG. = 142 5 40.4 RAD. = 1736533.5	5.2 5.8 75.6
G1699	X = -1385828 Y = 1030434 Z = 181252	48 46 28	LAT. = 5 59 29.7 LONG. = 143 22 2.4 RAD. = 1736423.2	3.4 5.7 45.7

TERRAIN POINTS ON MAP SHEET 66C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G1643	X = -1380894 Y = 1039926 Z = 166477	52 51 31	LAT. = 5 30 2.9 LONG. = 143 1 2.2 RAD. = 1736671.3	3.5 5.7 55.8
G1663	X = -1393328 Y = 1030620 Z = 112184	56 56 44	LAT. = 3 42 13.2 LONG. = 143 30 37.1 RAD. = 1736699.6	5.0 6.0 62.5
G1622	X = -1395712 Y = 1006534 Z = 230735	54 59 30	LAT. = 7 38 13.3 LONG. = 144 12 8.3 RAD. = 1736191.5	3.7 6.1 60.7
G1652	X = -1409326 Y = 1006472 Z = 141019	52 58 40	LAT. = 4 39 18.9 LONG. = 144 28 2.7 RAD. = 1737547.2	4.5 6.1 59.7
G1435	X = -1419509 Y = 983333 Z = 200832	102 63 36	LAT. = 6 38 1.4 LONG. = 145 17 19.0 RAD. = 1738471.3	4.3 7.7 100.9
G1445	X = -1426012 Y = 979355 Z = 176206	55 62 33	LAT. = 5 48 57.4 LONG. = 145 31 10.4 RAD. = 1738877.4	3.7 6.4 63.7
G1465	X = -1435549 Y = 969188 Z = 118418	59 66 51	LAT. = 3 54 39.9 LONG. = 145 58 31.4 RAD. = 1736130.7	5.7 6.8 69.4
N0252	X = -1431960 Y = 958961 Z = 241016	59 68 34	LAT. = 7 57 40.1 LONG. = 146 11 25.4 RAD. = 1740173.7	4.3 6.9 67.2
G1424	X = -1435025 Y = 955335 Z = 236997	91 75 42	LAT. = 7 49 39.5 LONG. = 146 20 50.0 RAD. = 1740152.0	5.8 7.3 97.5
K0899	X = -1435592 Y = 956212 Z = 229729	58 68 32	LAT. = 7 35 10.5 LONG. = 146 20 .3 RAD. = 1740127.1	4.0 7.0 67.2
G1454	X = -1448505 Y = 946964 Z = 144591	85 80 60	LAT. = 4 46 33.6 LONG. = 146 49 30.8 RAD. = 1736610.1	6.4 7.5 101.1
G1433	X = -1457305 Y = 929739 Z = 206470	65 70 33	LAT. = 6 48 40.5 LONG. = 147 27 45.8 RAD. = 1740914.5	3.9 7.6 70.9

TERRAIN POINTS ON MAP SHEET 66C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N0261	X = -1453053	81	LAT. = 6 42 48.8	4.2
	Y = 936970	84	LONG. = 147 11 5.7	7.7
	Z = 203520	35	RAD. = 1740889.4	96.5
G1499	X = -1465555	97	LAT. = 6 32 57.6	4.3
	Y = 916653	74	LONG. = 147 58 31.7	8.8
	Z = 198459	38	RAD. = 1739968.8	97.7
G1443	X = -1468071	63	LAT. = 5 56 13.2	4.0
	Y = 919430	73	LONG. = 147 56 30.3	7.9
	Z = 180139	36	RAD. = 1741560.6	70.1
G1463	X = -1472790	62	LAT. = 4 3 21.6	5.9
	Y = 920631	73	LONG. = 147 59 26.8	7.9
	Z = 123159	52	RAD. = 1741217.9	70.1
G1462	X = -1485272	87	LAT. = 3 58 42.1	8.5
	Y = 895767	82	LONG. = 148 54 21.0	8.9
	Z = 120628	77	RAD. = 1738672.9	97.7
G1235	X = -1489128	71	LAT. = 7 25 20.6	4.2
	Y = 870989	75	LONG. = 149 40 36.1	9.1
	Z = 224742	34	RAD. = 1739721.8	69.3
G1452	X = -1486813	85	LAT. = 5 5 25.1	6.0
	Y = 892760	83	LONG. = 149 1 1.9	8.9
	Z = 154482	55	RAD. = 1741119.2	95.0



MAP SHEET 66D

○ RANGE
OBSERVATION
▲ ● < 30M
△ ● < 100M
▽ ● > 100M

TERRAIN POINTS ON MAP SHEET 66D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N0899	X = -1127441 Y = 1304482 Z = 237546	46 46 31	LAT. = 7 50 34.7 LONG. = 130 50 55.8 RAD. = 1740790.5	3.9 4.9 49.1
R0261	X = -1121997 Y = 1311044 Z = 232926	53 71 40	LAT. = 7 41 14.8 LONG. = 130 33 25.4 RAD. = 1741255.1	5.5 5.2 73.2
N0843	X = -1126322 Y = 1307420 Z = 230658	46 46 30	LAT. = 7 36 47.4 LONG. = 130 44 39.8 RAD. = 1741019.7	3.8 4.9 49.1
G2015	X = -1133402 Y = 1305317 Z = 204989	41 42 25	LAT. = 6 45 45.0 LONG. = 130 58 3.6 RAD. = 1740825.5	3.1 4.6 43.2
S3056	X = -1122458 Y = 1326731 Z = 84980	26 27 21	LAT. = 2 47 58.3 LONG. = 130 13 56.4 RAD. = 1739927.9	2.6 2.4 30.6
G2262	X = -1134739 Y = 1318674 Z = 51490	64 71 67	LAT. = 1 41 43.1 LONG. = 130 42 45.3 RAD. = 1740452.5	7.6 5.1 86.4
228	X = -1119083 Y = 1333272 Z = 16636	22 19 14	LAT. = 0 32 51.2 LONG. = 130 0 30.4 RAD. = 1740757.6	1.7 2.4 20.8
K1499	X = -1139482 Y = 1302565 Z = 180525	39 37 24	LAT. = 5 57 18.3 LONG. = 131 10 45.7 RAD. = 1740024.3	2.9 4.6 37.0
G2025	X = -1136885 Y = 1306991 Z = 173642	41 41 24	LAT. = 5 43 27.1 LONG. = 131 1 6.1 RAD. = 1740943.8	2.9 4.6 43.2
G2035	X = -1144890 Y = 1304215 Z = 151166	40 41 24	LAT. = 4 58 41.5 LONG. = 131 16 40.5 RAD. = 1742011.3	2.3 4.6 42.9
G2199	X = -1156661 Y = 1291916 Z = 135178	40 38 25	LAT. = 4 27 27.0 LONG. = 131 50 17.9 RAD. = 1739305.5	3.0 4.7 37.8
G2045	X = -1155395 Y = 1294905 Z = 121998	39 42 26	LAT. = 4 1 16.3 LONG. = 131 44 28.8 RAD. = 1739712.5	3.0 4.6 43.2

TERRAIN POINTS ON MAP SHEET 66D (CONTINUED)

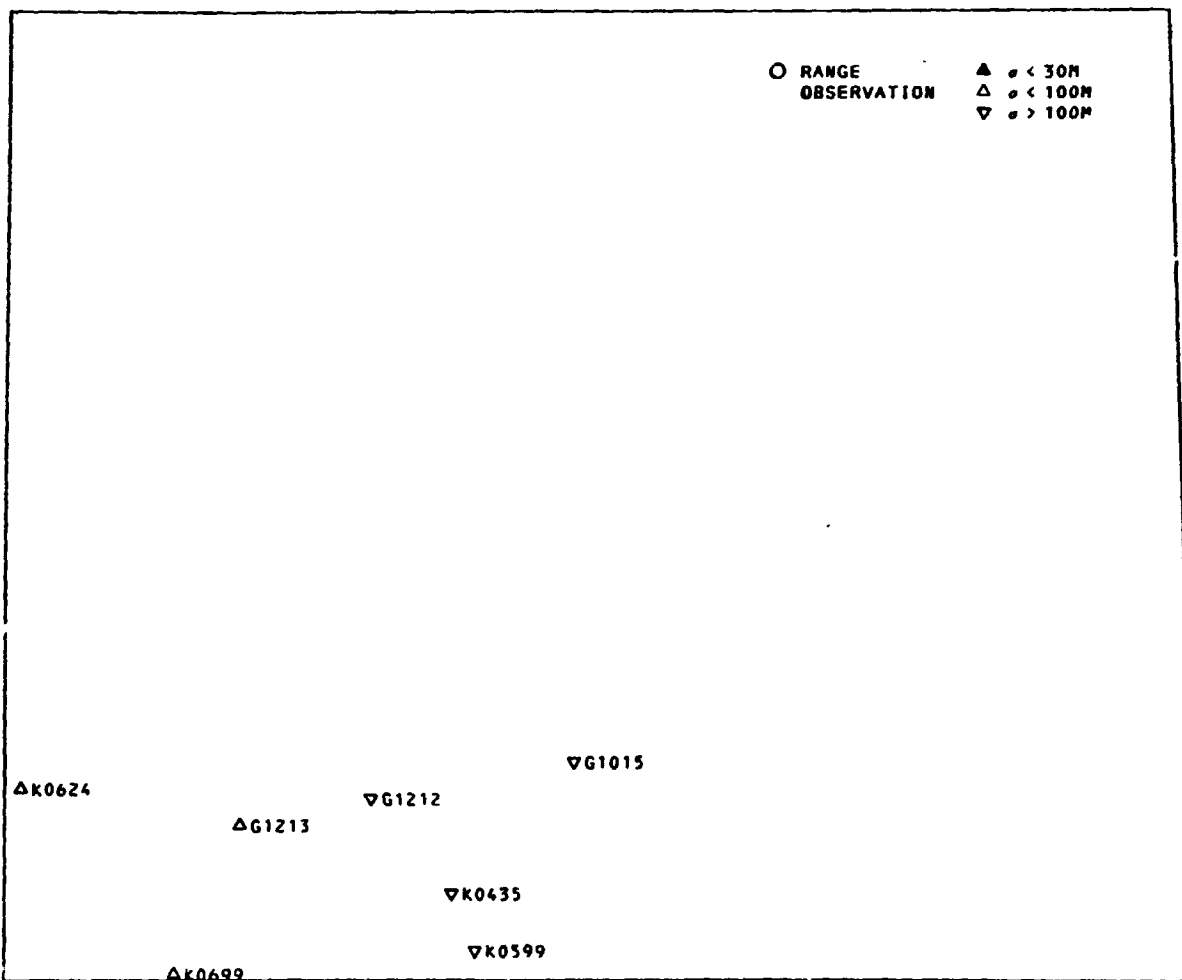
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2978	X = -1153975 Y = 1303188 Z = 69759	25 26 21	LAT. = 2 17 41.8 LONG. = 131 31 29.8 RAD. = 1742074.7	2.5 2.4 30.0
G2065	X = -1158919 Y = 1298681 Z = 62217	47 49 40	LAT. = 2 2 49.3 LONG. = 131 44 42.5 RAD. = 1741704.7	4.6 4.9 53.8
227	X = -1147493 Y = 1308938 Z = 2836	22 19 14	LAT. = 0 5 36.0 LONG. = 131 14 23.1 RAD. = 1740708.6	1.7 2.4 21.2
S2956	X = -1179206 Y = 1279583 Z = 55683	25 25 21	LAT. = 1 49 58.3 LONG. = 132 39 44.2 RAD. = 1740964.7	2.5 2.4 28.6
N0645	X = -1180559 Y = 1257920 Z = 236033	48 47 30	LAT. = 7 47 27.0 LONG. = 133 10 58.5 RAD. = 1741204.2	3.8 5.1 50.6
G2013	X = -1185296 Y = 1256920 Z = 215135	44 43 27	LAT. = 7 5 53.5 LONG. = 133 19 12.5 RAD. = 1740993.1	3.4 4.9 45.2
K1399	X = -1195217 Y = 1251265 Z = 189061	44 40 29	LAT. = 6 14 7.4 LONG. = 133 41 15.4 RAD. = 1740675.0	3.4 5.4 39.3
G2023	X = -1192915 Y = 1255438 Z = 186004	43 43 25	LAT. = 6 7 49.2 LONG. = 133 32 13.8 RAD. = 1741771.5	3.0 4.8 44.9
G2033	X = -1198400 Y = 1253258 Z = 160961	42 43 25	LAT. = 5 18 12.0 LONG. = 133 43 5.4 RAD. = 1741472.6	2.9 4.8 44.9
S2889	X = -1207393 Y = 1254346 Z = 42078	25 25 21	LAT. = 1 23 4.2 LONG. = 133 54 26.4 RAD. = 1741537.9	2.5 2.4 28.0
G2099	X = -1208854 Y = 1245863 Z = 146373	40 39 25	LAT. = 4 49 10.9 LONG. = 134 8 10.4 RAD. = 1742104.6	2.9 4.8 39.1
G2043	X = -1207416 Y = 1250168 Z = 126981	41 43 27	LAT. = 4 10 43.0 LONG. = 134 0 12.2 RAD. = 1742669.6	3.1 4.8 44.5

TERRAIN POINTS ON MAP SHEET 66D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2063	X = -1213914 Y = 1247883 Z = 77563	48 50 39	LAT. = 2 33 3.6 LONG. = 134 12 34.1 RAD. = 1742646.0	4.5 5.1 54.7
N0643	X = -1234901 Y = 1205191 Z = 241037	47 47 30	LAT. = 7 57 7.5 LONG. = 135 41 51.3 RAD. = 1742287.0	3.8 5.1 49.0
G1815	X = -1238925 Y = 1205637 Z = 218673	46 47 28	LAT. = 7 12 33.3 LONG. = 135 46 48.6 RAD. = 1742502.2	3.4 5.1 48.8
G1825	X = -1241648 Y = 1204385 Z = 191757	51 48 28	LAT. = 6 19 32.4 LONG. = 135 52 22.0 RAD. = 1740403.3	3.4 5.2 54.4
S2856	X = -1234088 Y = 1229442 Z = 27420	25 24 20	LAT. = 0 54 6.4 LONG. = 135 6 28.9 RAD. = 1742197.6	2.4 2.4 27.7
N0642	X = -1253832 Y = 1186498 Z = 241447	48 46 30	LAT. = 7 57 44.2 LONG. = 136 34 49.8 RAD. = 1743034.8	3.8 5.2 49.1
K1233	X = -1248293 Y = 1194398 Z = 207420	45 45 26	LAT. = 6 50 45.8 LONG. = 136 15 50.3 RAD. = 1740070.1	3.1 5.1 46.5
K1299	X = -1247901 Y = 1196411 Z = 197829	42 41 26	LAT. = 6 31 41.3 LONG. = 136 12 24.4 RAD. = 1740055.2	3.0 5.1 40.4
G1835	X = -1249719 Y = 1198850 Z = 169095	44 45 26	LAT. = 5 34 36.6 LONG. = 136 11 24.6 RAD. = 1740009.3	3.0 5.1 46.5
C1999	X = -1255456 Y = 1193695 Z = 155446	42 41 26	LAT. = 5 7 38.9 LONG. = 136 26 40.3 RAD. = 1739321.8	3.0 5.1 40.7
G1845	X = -1254580 Y = 1197894 Z = 138669	44 45 28	LAT. = 4 34 14.2 LONG. = 136 19 26.7 RAD. = 1740157.5	3.2 5.1 46.1
G1865	X = -1263920 Y = 1196269 Z = 82149	49 51 20	LAT. = 2 42 9.5 LONG. = 136 34 30.5 RAD. = 1742211.6	4.6 5.3 55.6

TERRAIN POINTS ON MAP SHEET 66D (CONTINUED)

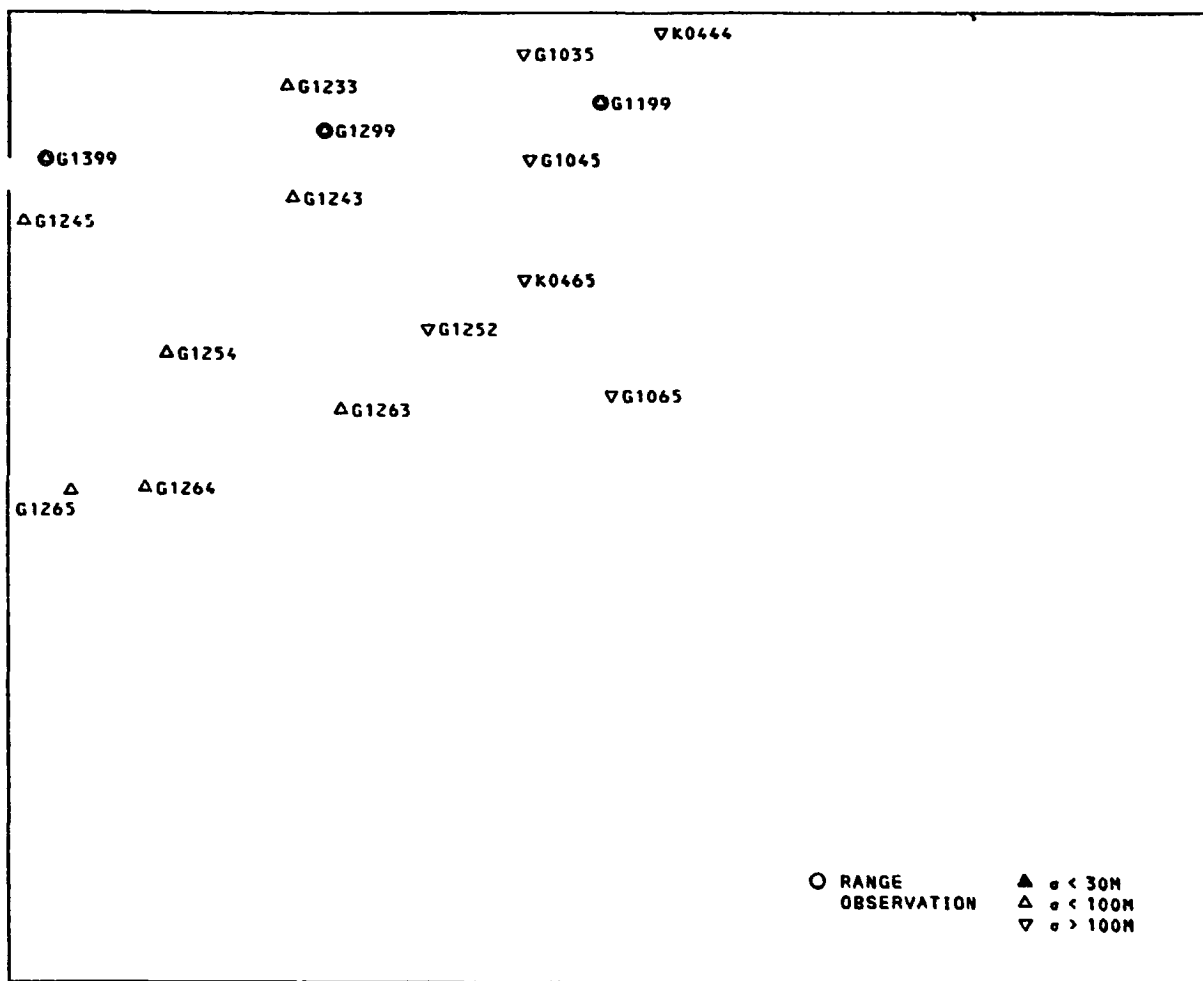
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2789	X = -1258097	25	LAT. = 0 21 27.5	2.3
	Y = 1204977	23	LONG. = 136 14 7.7	2.4
	Z = 10874	20	RAD. = 1742095.1	27.5
G1813	X = -1282038	49	LAT. = 7 44 12.0	3.7
	Y = 1147374	49	LONG. = 138 10 21.7	5.3
	Z = 233741	29	RAD. = 1736295.6	52.2
K1035	X = -1289418	47	LAT. = 7 17 44.4	3.3
	Y = 1141750	46	LONG. = 138 28 33.1	5.3
	Z = 220494	27	RAD. = 1736320.3	48.6
K1199	X = -1295846	44	LAT. = 6 50 51.6	3.1
	Y = 1137214	43	LONG. = 138 43 49.2	5.3
	Z = 207040	26	RAD. = 1736473.6	42.3
G1823	X = -1285848	54	LAT. = 6 33 26.9	3.8
	Y = 1150013	68	LONG. = 138 11 30.4	5.9
	Z = 198302	30	RAD. = 1736450.2	70.6
G1833	X = -1298175	47	LAT. = 5 38 23.7	3.2
	Y = 1140669	47	LONG. = 138 41 42.6	5.4
	Z = 170659	28	RAD. = 1736522.6	48.8
G1899	X = -1300074	45	LAT. = 5 24 28.1	3.2
	Y = 1139490	43	LONG. = 138 45 57.8	5.4
	Z = 163654	27	RAD. = 1736494.9	42.3
G1843	X = -1299113	46	LAT. = 4 46 10.8	3.3
	Y = 1143162	46	LONG. = 138 39 13.2	5.3
	Z = 144388	29	RAD. = 1736479.9	48.6
G1863	X = -1308627	52	LAT. = 2 49 52.4	5.0
	Y = 1138196	53	LONG. = 138 59 3.9	5.6
	Z = 85772	44	RAD. = 1736476.8	59.1
G1822	X = -1309239	59	LAT. = 6 59 36.9	3.5
	Y = 1121027	51	LONG. = 139 25 42.3	5.6
	Z = 211436	29	RAD. = 1736523.5	62.4



MAP SHEET 67A

TERRAIN POINTS ON MAP SHEET 67A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K0624	X = -1485090	72	LAT. = 9 35 2.1	6.1
	Y = 852682	79	LONG. = 150 8 13.9	9.3
	Z = 289148	45	RAD. = 1736710.9	69.7
G1213	X = -1514080	78	LAT. = 9 16 42.2	5.5
	Y = 805425	79	LONG. = 151 59 20.3	10.0
	Z = 280175	42	RAD. = 1737713.2	71.9
K0699	X = -1512813	95	LAT. = 8 3 4.5	5.4
	Y = 823808	86	LONG. = 151 25 45.6	9.9
	Z = 243663	40	RAD. = 1739722.1	95.7
G1212	X = -1529627	109	LAT. = 9 29 52.3	8.0
	Y = 775855	85	LONG. = 153 6 18.2	10.5
	Z = 286950	56	RAD. = 1738979.9	100.4
K0435	X = -1541830	102	LAT. = 8 42 59.1	6.4
	Y = 759298	90	LONG. = 153 46 52.8	10.5
	Z = 263495	46	RAD. = 1738735.8	101.0
K0599	X = -1546074	100	LAT. = 8 14 34.4	5.6
	Y = 754958	92	LONG. = 153 58 24.4	10.5
	Z = 249251	41	RAD. = 1738514.6	101.3
G1015	X = -1550212	100	LAT. = 9 48 5.9	8.9
	Y = 728750	104	LONG. = 154 49 18.9	11.1
	Z = 295930	63	RAD. = 1738335.1	102.2



MAP SHEET 67D

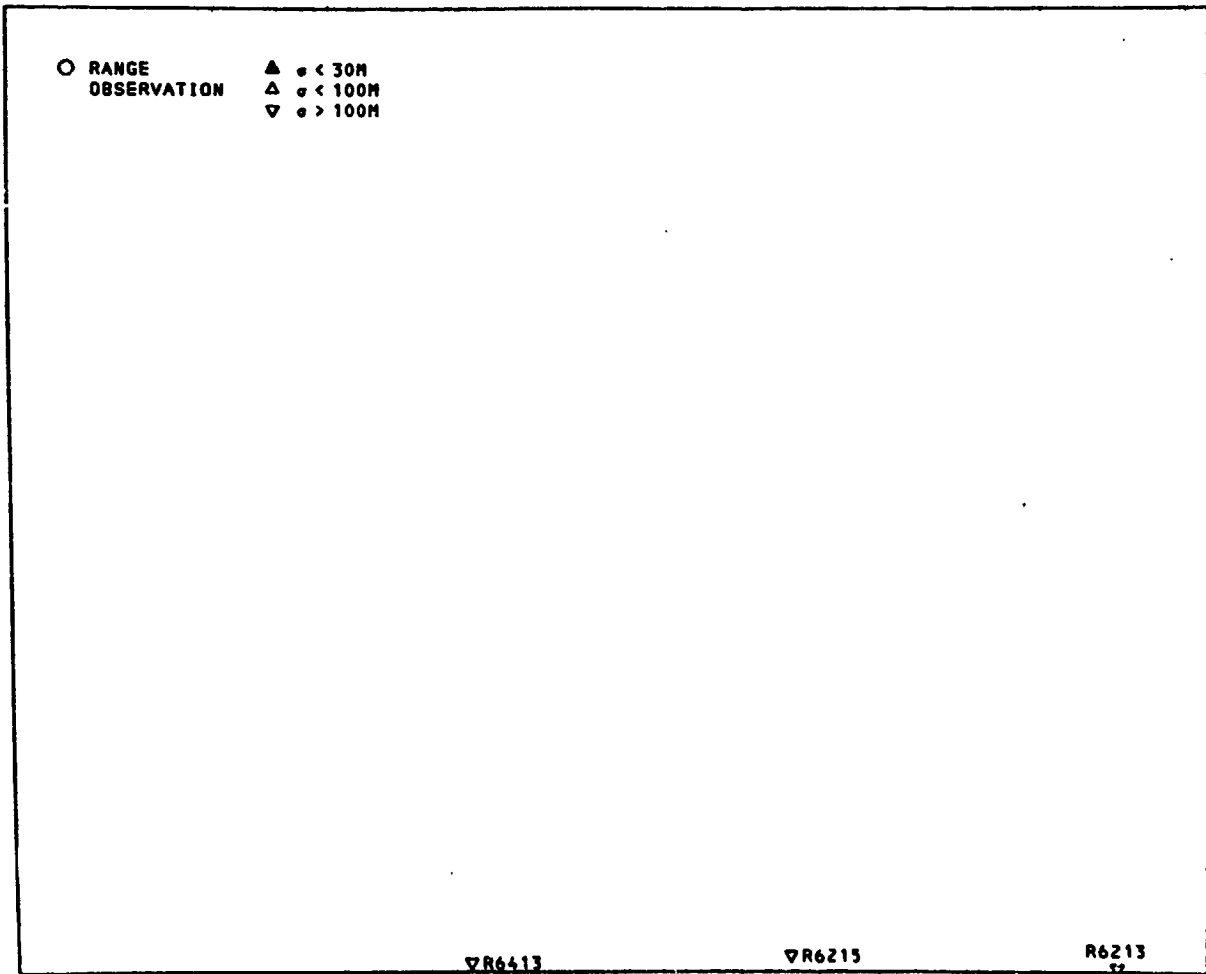
TERRAIN POINTS ON MAP SHEET 67D

POINT NO.	CARTECIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G1399	X = -1501292 Y = 856196 Z = 205964	64 70 34	LAT. = 6 47 45.8 LONG. = 150 18 13.1 RAD. = 1740509.2	4.0 9.3 54.2
G1245	X = -1499703 Y = 861495 Z = 190389	69 77 35	LAT. = 6 16 54.9 LONG. = 150 7 30.2 RAD. = 1739980.7	4.1 9.2 69.0
G1265	X = -1508455 Y = 852497 Z = 122909	68 79 51	LAT. = 4 3 27.1 LONG. = 150 31 38.0 RAD. = 1737036.1	5.8 9.4 70.1
G1254	X = -1518271 Y = 830539 Z = 157207	93 85 58	LAT. = 5 11 25.9 LONG. = 151 19 12.1 RAD. = 1737715.6	6.3 9.9 97.2
G1264	X = -1518196 Y = 836550 Z = 123654	67 82 50	LAT. = 4 4 49.1 LONG. = 151 8 40.3 RAD. = 1737821.9	5.7 9.6 69.6
G1233	X = -1526958 Y = 800758 Z = 223947	76 80 35	LAT. = 7 24 1.7 LONG. = 152 19 36.7 RAD. = 1738668.0	4.3 9.9 71.6
G1299	X = -1533486 Y = 793513 Z = 212973	68 75 35	LAT. = 7 1 54.1 LONG. = 152 38 25.4 RAD. = 1739712.1	4.2 10.0 57.5
G1243	X = -1532541 Y = 801916 Z = 196249	74 80 37	LAT. = 6 28 23.2 LONG. = 152 22 43.6 RAD. = 1740765.9	4.2 9.9 70.8
G1263	X = -1540140 Y = 792132 Z = 143058	74 81 43	LAT. = 4 43 19.2 LONG. = 152 46 55.6 RAD. = 1737806.5	5.4 10.0 71.9
G1252	X = -1550499 Y = 772638 Z = 163486	97 86 60	LAT. = 5 23 28.3 LONG. = 153 30 43.9 RAD. = 1740041.7	6.5 10.3 99.6
G1035	X = -1552016 Y = 746141 Z = 231626	98 95 39	LAT. = 7 39 38.2 LONG. = 154 19 25.6 RAD. = 1737564.8	4.9 10.7 102.6
G1199	X = -1561518 Y = 723329 Z = 219477	72 80 39	LAT. = 7 15 26.8 LONG. = 154 57 51.9 RAD. = 1737362.5	4.6 10.4 62.3

TERRAIN POINTS ON MAP SHEET 67D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G1045	X = -1555749	96	LAT. = 6 47 11.0	4.7
	Y = 746295	95	LONG. = 154 22 22.5	10.7
	Z = 205336	43	RAD. = 1737663.2	102.5
K0465	X = -1558469	94	LAT. = 5 47 40.5	5.9
	Y = 749091	94	LONG. = 154 19 42.0	10.6
	Z = 175476	55	RAD. = 1738031.7	101.9
K0444	X = -1566999	91	LAT. = 7 50 18.7	5.0
	Y = 714813	111	LONG. = 155 28 44.8	11.8
	Z = 237110	39	RAD. = 1738581.5	103.2
G1065	X = -1570854	89	LAT. = 4 50 36.2	7.9
	Y = 730858	102	LONG. = 155 2 57.3	11.2
	Z = 146808	72	RAD. = 1738760.9	101.7

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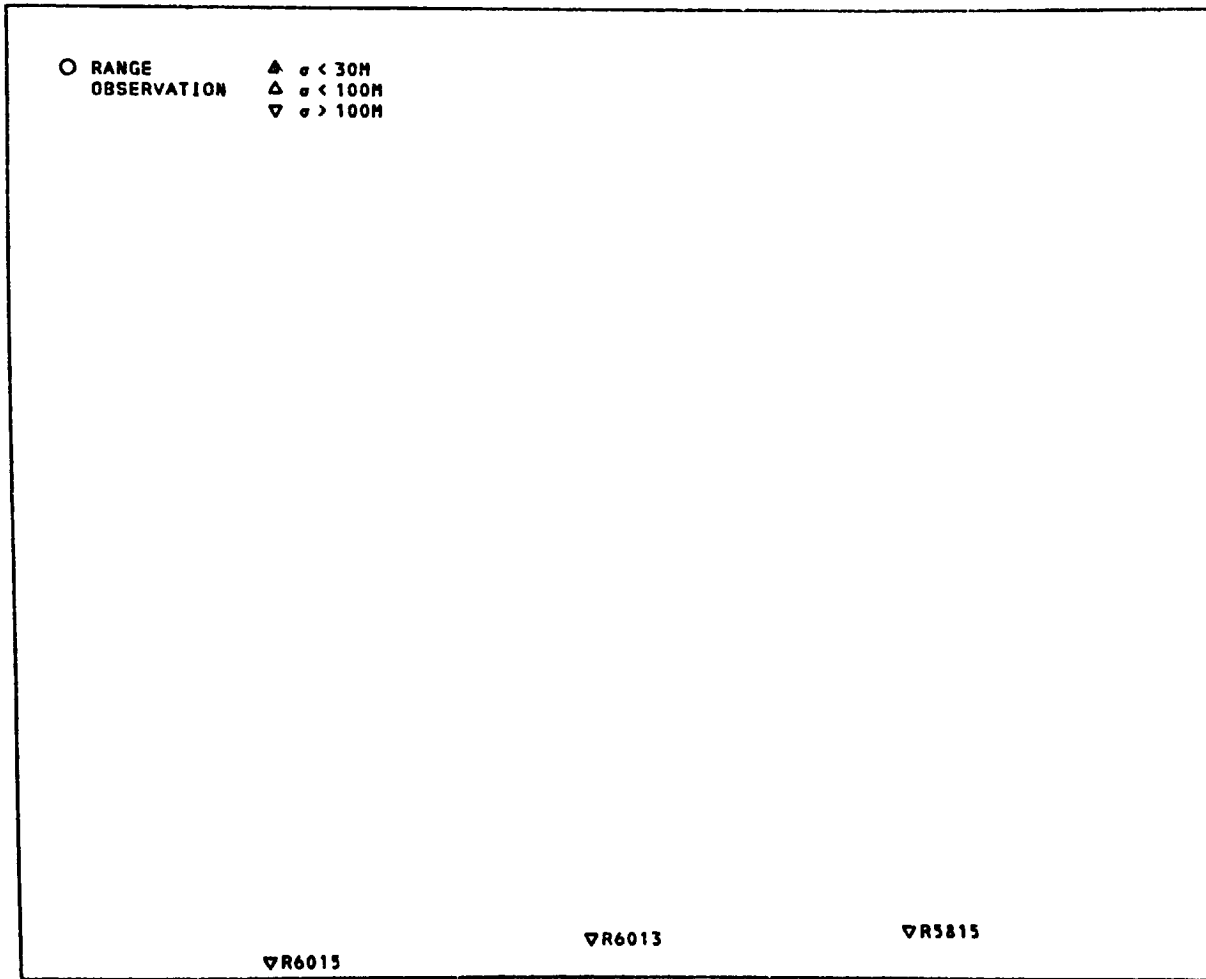


MAP SHEET 76A

TERRAIN POINTS ON MAP SHEET 76A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	DEV
R6413	X = 1542453	552	LAT. = - 7 55 20.6	24.2
	Y = -758639	1574	LONG. = - 26 11 23.1	196.3
	Z = -239205	199	RAD. = 1735486.3	322.0
R6215	X = 1576589	472	LAT. = - 7 51 43.5	22.6
	Y = -685071	1424	LONG. = - 23 29 10.5	177.1
	Z = -237371	191	RAD. = 1735309.6	271.5
R6213	X = 1607047	398	LAT. = - 7 57 53.9	19.5
	Y = -609037	1276	LONG. = - 20 45 20.3	158.2
	Z = -240459	168	RAD. = 1735323.4	223.5

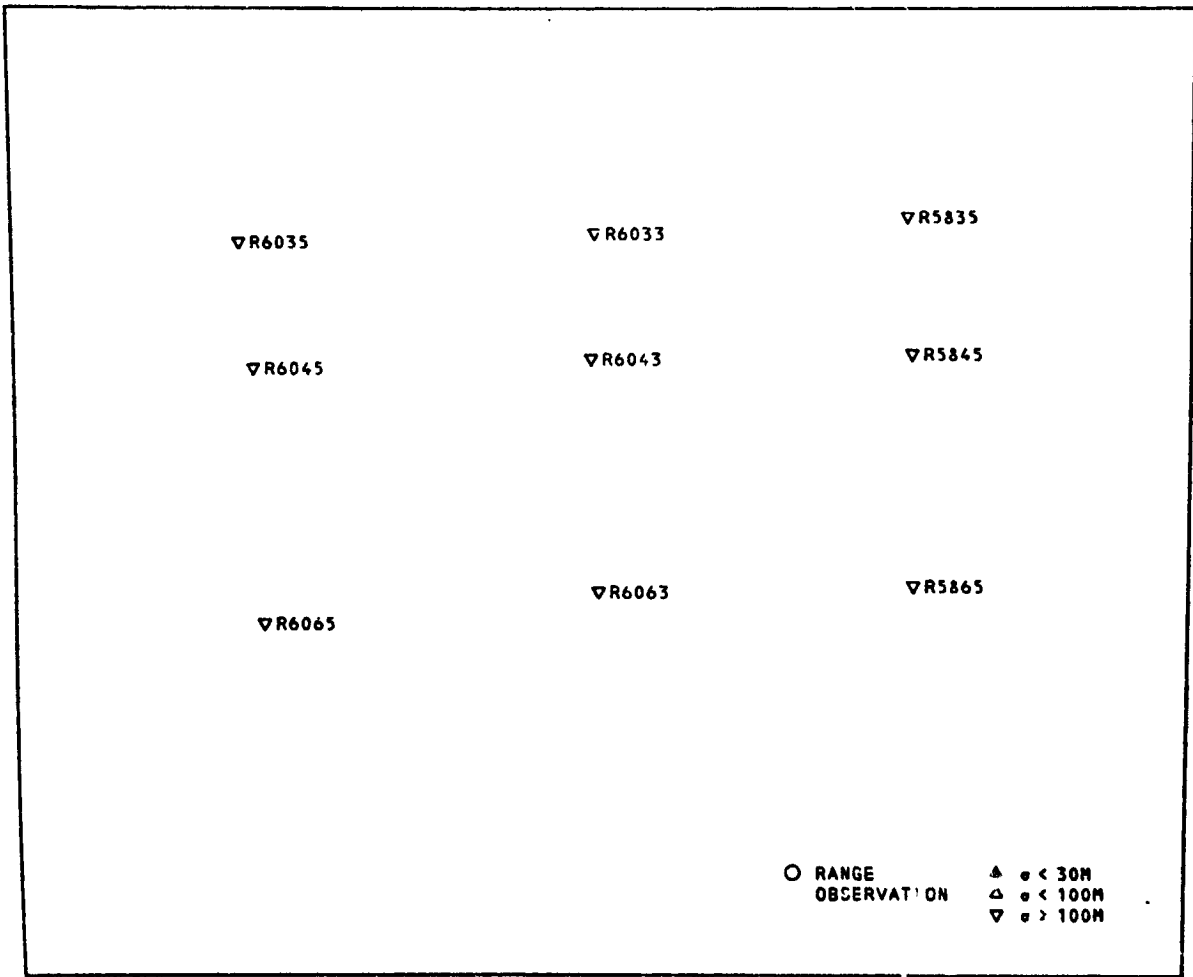
A-324



MAP SHEET 76B

TERRAIN POINTS ON MAP SHEET 76B

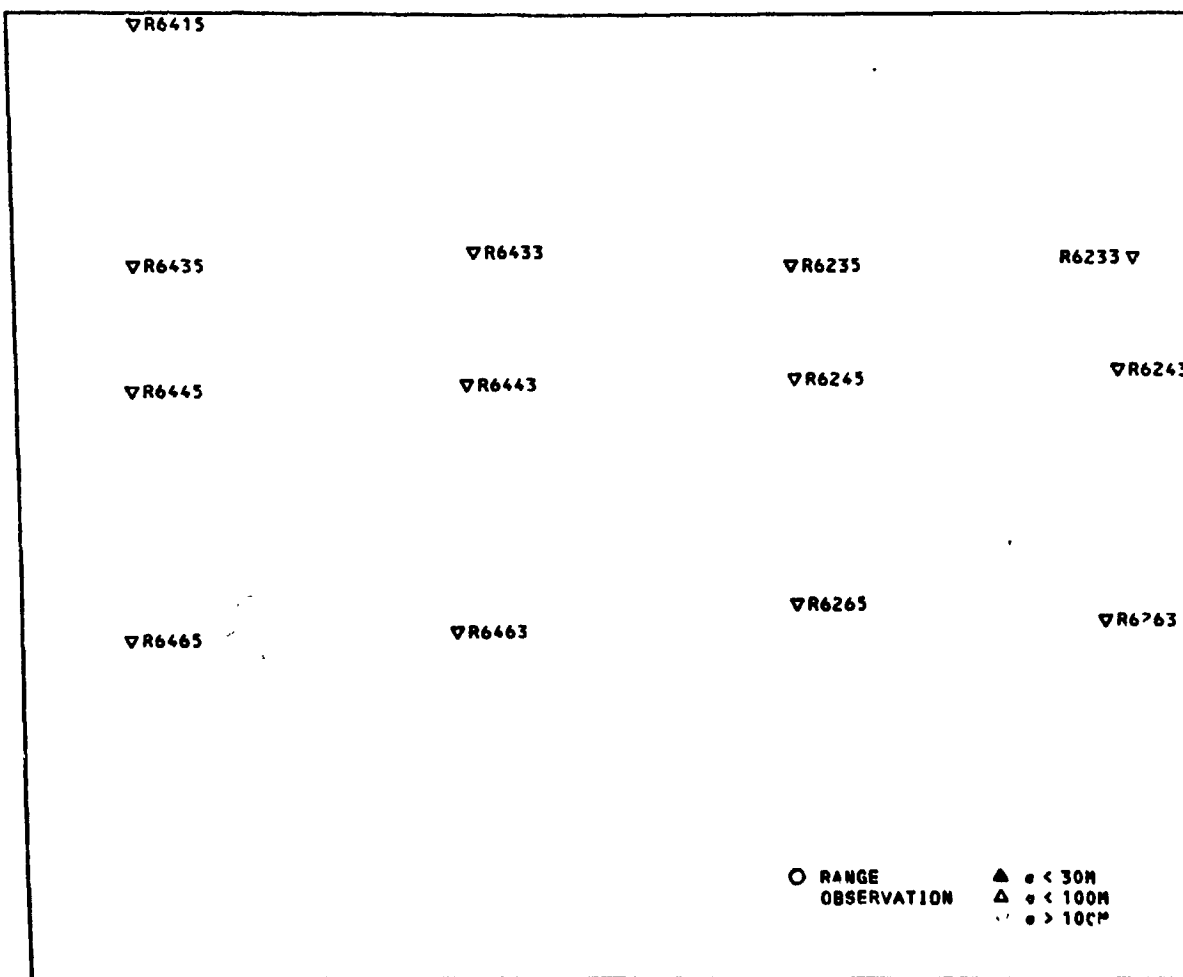
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R6015	X = 1635888	333	LAT. = - 7 51 30.7	18.4
	Y = -528588	1125	LONG. = - 17 54 24.0	139.0
	Z = -237286	163	RAD. = 1735465.3	190.6
R6013	X = 1660048	280	LAT. = - 7 40 42.2	17.9
	Y = -451209	986	LONG. = - 15 12 21.3	121.4
	Z = -231930	160	RAD. = 1735840.4	168.6
R5815	X = 1679492	237	LAT. = - 7 36 10.8	16.7
	Y = -373376	853	LONG. = - 12 32 1.9	104.7
	Z = -229655	152	RAD. = 1735755.0	155.7



MAP SHEET 76C

TERRAIN POINTS ON MAP SHEET 76C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R6035	X = 1625139 Y = -530425 Z = -299270	356 1128 70	LAT. = - 9 55 46.9 LONG. = - 18 4 33.7 RAD. = 1735508.9	6.6 140.9 192.7
R6045	X = 1620540 Y = -525389 Z = -330419	365 1119 88	LAT. = -10 58 35.6 LONG. = - 17 57 46.8 RAD. = 1735327.2	9.8 140.6 192.2
R6065	X = 1608820 Y = -519160 Z = -393121	390 1107 202	LAT. = -13 5 28.4 LONG. = - 17 53 4.8 RAD. = 1735619.2	24.8 141.2 191.2
R6033	X = 1651436 Y = -444034 Z = -297294	297 973 67	LAT. = - 9 51 43.7 LONG. = - 15 2 58.6 RAD. = 1735738.6	6.4 121.1 169.8
R6043	X = 1645901 Y = -443457 Z = -328255	308 972 84	LAT. = -10 54 .2 LONG. = - 15 4 45.1 RAD. = 1735913.4	10.0 121.7 169.8
R6063	X = 1634155 Y = -438556 Z = -385383	331 964 183	LAT. = -12 49 53.0 LONG. = - 15 1 20.7 RAD. = 1735314.2	23.2 122.2 169.1
R5835	X = 1670893 Y = -367234 Z = -293140	253 843 64	LAT. = - 9 43 23.4 LONG. = - 12 23 44.1 RAD. = 1735706.1	6.3 104.5 157.6
R5845	X = 1665007 Y = -364566 Z = -326944	264 839 81	LAT. = -10 51 30.4 LONG. = - 12 21 1.6 RAD. = 1735526.0	10.4 104.6 157.7
R5865	X = 1653250 Y = -361493 Z = -383825	286 834 176	LAT. = -12 46 43.7 LONG. = - 12 20 2.2 RAD. = 1735291.2	23.0 105.3 156.2



MAP SHEET 76D

TERRAIN POINTS ON MAP SHEET 76D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R6445	X = 1489216 Y = -826218 Z = -334565	685 1717 98	LAT. = -11 6 51.1 LONG. = - 29 1 17.6 RAD. = 1735607.3	8.1 219.0 388.2
R6465	X = 1477010 Y = -821021 Z = -395763	716 1705 227	LAT. = -13 10 51.6 LONG. = - 29 4 5.7 RAD. = 1735587.0	23.5 221.1 390.1
R6415	X = 1504002 Y = -831305 Z = -244220	649 1727 201	LAT. = - 8 5 18.5 LONG. = - 28 55 50.4 RAD. = 1735722.7	25.1 216.4 387.8
R6435	X = 1494865 Y = -828058 Z = -303694	671 1720 88	LAT. = -10 4 37.4 LONG. = - 28 59 .9 RAD. = 1735664.3	9.3 218.0 387.5
R6433	X = 1534912 Y = -752016 Z = -300301	570 1560 85	LAT. = - 9 57 53.2 LONG. = - 26 6 7.7 RAD. = 1735414.4	8.6 196.8 319.5
R6443	X = 1528509 Y = -751252 Z = -332995	585 1559 94	LAT. = -11 3 45.9 LONG. = - 26 10 25.8 RAD. = 1735397.4	8.1 198.0 320.8
R6463	X = 1515709 Y = -748202 Z = -393775	616 1552 217	LAT. = -13 6 49.2 LONG. = - 26 16 20.7 RAD. = 1735580.8	23.4 200.2 323.5
R6235	X = 1567834 Y = -678693 Z = -303668	489 1412 77	LAT. = -10 4 44.0 LONG. = - 23 24 25.5 RAD. = 1735206.6	7.2 177.6 265.5
R6245	X = 1563344 Y = -675949 Z = -331687	499 1406 92	LAT. = -11 1 11.7 LONG. = - 23 22 56.6 RAD. = 1735213.7	8.6 178.0 265.3
R6265	X = 1552977 Y = -670645 Z = -387019	523 1396 197	LAT. = -12 53 12.7 LONG. = - 23 21 24.7 RAD. = 1735305.4	22.2 179.0 265.5
R6233	X = 1600517 Y = -598959 Z = -301704	413 1256 73	LAT. = -10 0 43.9 LONG. = - 20 31 2.2 RAD. = 1735348.1	6.8 157.5 221.5
R6243	X = 1594378 Y = -600725 Z = -329438	426 1260 88	LAT. = -10 56 36.3 LONG. = - 20 38 43.0 RAD. = 1735350.4	8.9 158.8 222.9

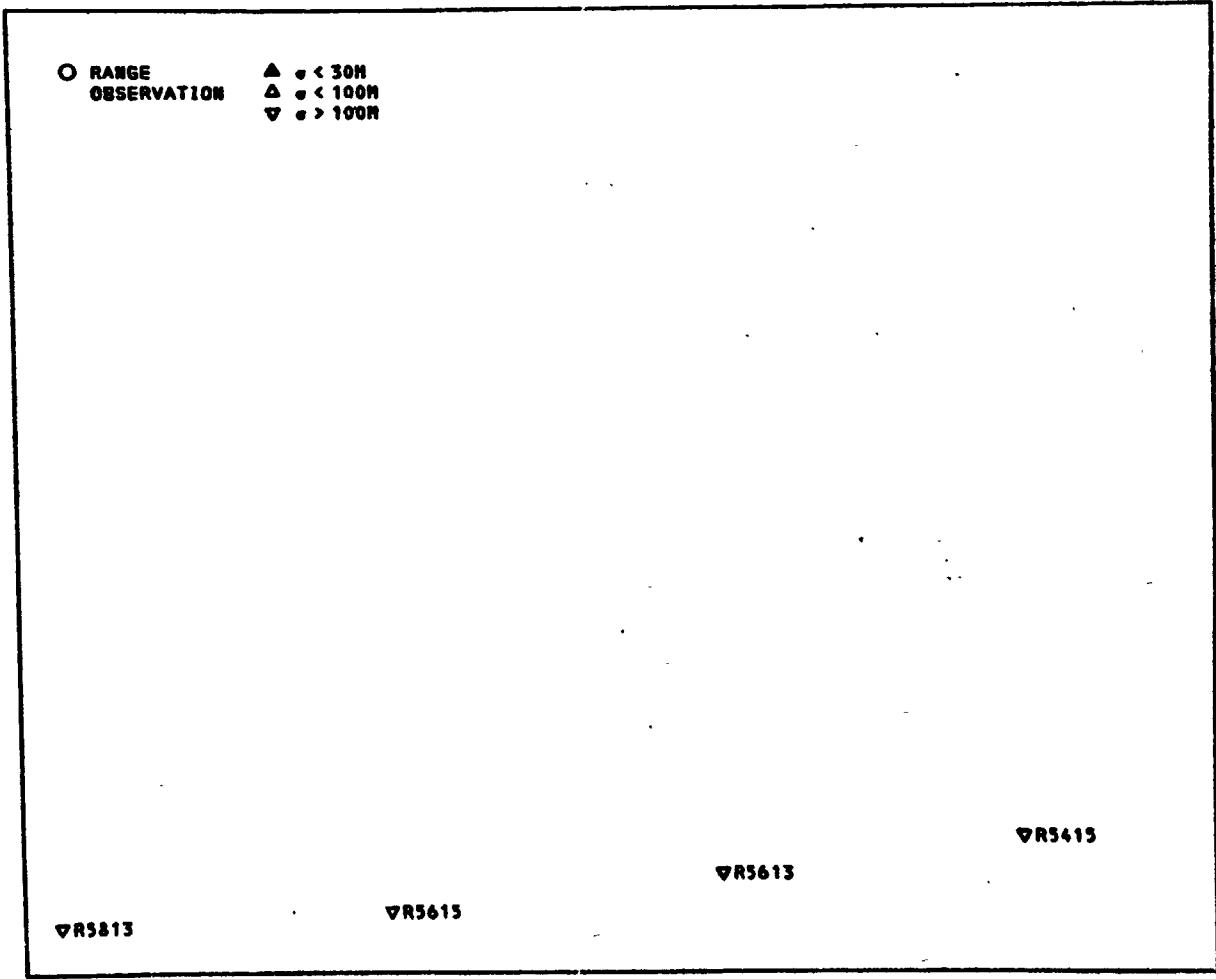
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C-5

A-330

TERRAIN POINTS ON MAP SHEET 76D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R6263	X = 1581237 Y = -598147 Z = -390767	455 1255 202	LAT. = -13 0 53.7 LONG. = - 20 43 13.8 RAD. = 1735162.0	23.7 160.6 223.9

○ RANGE
OBSERVATION ▲ ● < 30M
 ▲ ● < 100M
 ▼ ● > 100M



MAP SHEET 77A

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TERRAIN POINTS ON MAP SHEET 77A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R5813	X = 1695954	201	LAT. = - 7 36 35.7	14.8
	Y = -289723	719	LONG. = - 9 41 39.7	88.0
	Z = -229870	138	RAD. = 1735811.4	149.2
R5615	X = 1710008	182	LAT. = - 7 29 23.3	15.4
	Y = -207131	597	LONG. = - 6 54 23.5	72.6
	Z = -226461	145	RAD. = 1737329.5	162.3
R5613	X = 1720033	142	LAT. = - 7 10 40.8	12.9
	Y = -123260	482	LONG. = - 4 5 56.1	58.3
	Z = -217175	121	RAD. = 1738065.0	133.8
R5415	X = 1723970	126	LAT. = - 6 52 26.9	12.6
	Y = -47613	388	LONG. = - 1 34 55.2	46.6
	Z = -207913	118	RAD. = 1737114.7	130.3

○ RANGE
OBSERVATION ▲ ● < 30M
 ▲ ● < 100M
 ▼ ● > 100M

▽R5413

▽R5215

▽G7015

▽R5213

▽G7014

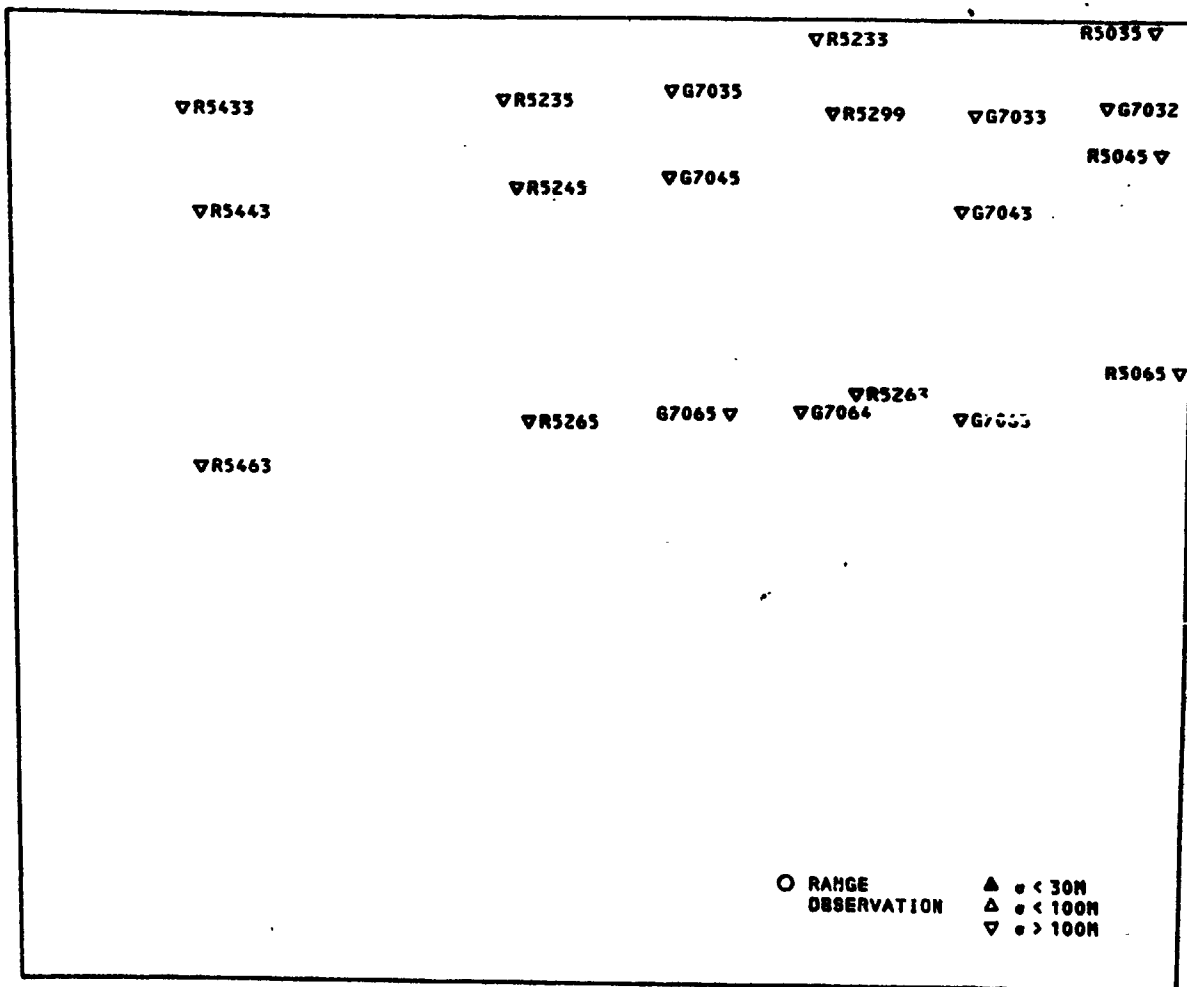
▽G7013

▽R5015

MAP SHEET 77B

TERRAIN POINTS ON MAP SHEET 77B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R5413	X = 1726728	110	LAT. = - 6 41 2.2	11.5
	Y = 36570	293	LONG. = 1 12 47.8	34.8
	Z = -202399	108	RAD. = 1738934.5	122.7
R5215	X = 1721951	99	LAT. = - 6 33 29.3	9.9
	Y = 122683	210	LONG. = 4 4 30.8	24.6
	Z = -198464	93	RAD. = 1737686.7	114.1
G7015	X = 1716621	111	LAT. = - 6 46 33.5	9.6
	Y = 168651	172	LONG. = 5 36 39.9	20.0
	Z = -204947	92	RAD. = 1737018.5	126.1
R5213	X = 1715638	88	LAT. = - 6 8 49.7	9.4
	Y = 198713	150	LONG. = 6 36 24.5	17.3
	Z = -186012	87	RAD. = 1737095.7	102.0
G7014	X = 1714189	98	LAT. = - 6 52 27.9	7.9
	Y = 201787	151	LONG. = 6 42 49.4	17.4
	Z = -208090	76	RAD. = 1738522.9	112.4
G7013	X = 1708592	100	LAT. = - 6 55 19.8	7.5
	Y = 243134	122	LONG. = 8 5 55.9	14.0
	Z = -209522	73	RAD. = 1738476.4	111.5
R5015	X = 1705092	74	LAT. = - 5 54 35.0	7.7
	Y = 282885	102	LONG. = 9 25 11.7	11.8
	Z = -178909	70	RAD. = 1737634.2	83.7



MAP SHEET 77C

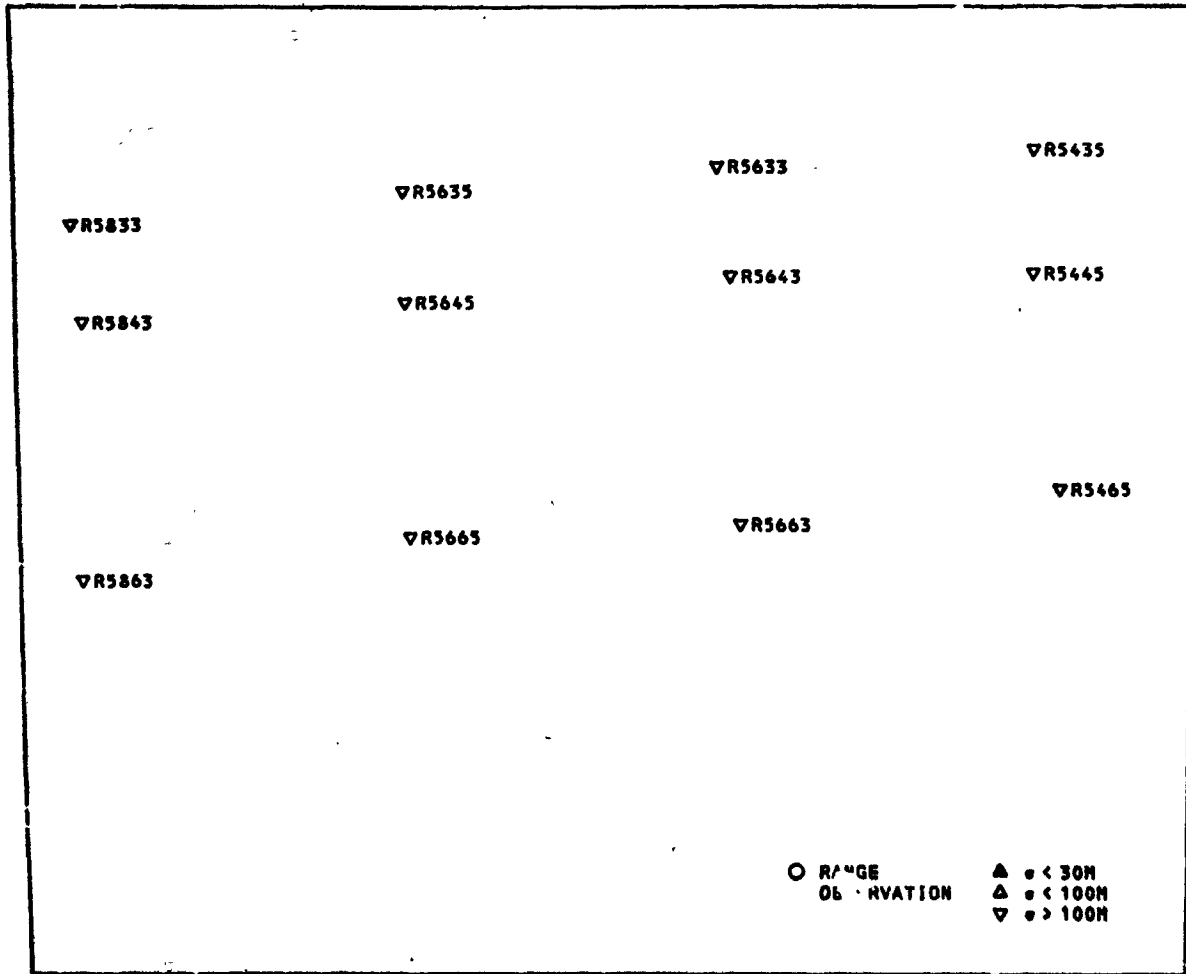
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TERRAIN POINTS ON MAP SHEET 77C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R5433	X = 1718061 Y = 43979 Z = -265076	118 285 47	LAT. = - 8 46 5.0 LONG. = 1 27 58.8 RAD. = 1738945.9	4.9 34.0 124.5
R5443	X = 1715215 Y = 48071 Z = -291050	121 281 44	LAT. = - 9 37 36.9 LONG. = 1 36 19.3 RAD. = 1740397.9	6.0 33.5 123.1
R5463	X = 1701230 Y = 47589 Z = -353669	136 281 101	LAT. = -11 44 22.1 LONG. = 1 36 8.4 RAD. = 1738254.8	14.5 33.8 123.5
R5235	X = 1715296 Y = 125585 Z = -262600	104 207 43	LAT. = - 8 40 52.0 LONG. = 4 11 14.8 RAD. = 1739819.0	4.6 24.3 113.4
R5245	X = 1709341 Y = 128600 Z = -284053	109 205 41	LAT. = - 9 24 32.1 LONG. = 4 18 8.8 RAD. = 1737547.7	5.4 24.1 115.6
R5265	X = 1696859 Y = 130913 Z = -341432	120 203 81	LAT. = -11 20 38.3 LONG. = 4 24 41.9 RAD. = 1735812.7	11.7 23.9 116.0
G7035	X = 1712536 Y = 168198 Z = -260132	113 172 46	LAT. = - 8 35 47.0 LONG. = 5 36 33.7 RAD. = 1740327.2	4.8 20.0 122.6
G7045	X = 1708932 Y = 167449 Z = -281651	117 173 42	LAT. = - 9 18 54.1 LONG. = 5 35 46.5 RAD. = 1740061.8	5.5 20.1 122.8
R5233	X = 1710543 Y = 204746 Z = -246851	90 146 44	LAT. = - 8 9 15.6 LONG. = 6 49 32.3 RAD. = 1740348.7	4.6 16.8 100.6
R5299	X = 1706760 Y = 208663 Z = -265388	93 143 38	LAT. = - 8 46 26.3 LONG. = 6 58 12.8 RAD. = 1739827.6	4.4 16.5 101.1
G7064	X = 1693301 Y = 199710 Z = -339022	132 149 80	LAT. = -11 14 44.7 LONG. = 6 43 35.3 RAD. = 1738414.9	11.8 17.4 124.5
G7065	X = 1695557 Y = 181952 Z = -339799	130 162 81	LAT. = -11 16 9.2 LONG. = 6 7 30.2 RAD. = 1738816.3	11.9 18.8 123.4

TERRAIN POINTS ON MAP SHEET 77C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R5263	X = 1692520 Y = 213635 Z = -334433	103 140 67	LAT. = -11 5 29.6 LONG. = 7 11 38.4 RAD. = 1738421.8	9.6 16.1 101.2
G7033	X = 1700117 Y = 243752 Z = -265296	106 122 41	LAT. = -8 46 51.1 LONG. = 8 9 32.8 RAD. = 1737871.1	4.7 14.0 112.5
G7043	X = 1696956 Y = 240134 Z = -289162	109 124 42	LAT. = -9 34 36.2 LONG. = 8 3 15.7 RAD. = 1738084.8	5.9 14.2 112.1
G7063	X = 1688209 Y = 239433 Z = -340412	116 125 75	LAT. = -11 17 25.0 LONG. = 8 4 20.0 RAD. = 1738751.5	10.9 14.3 110.5
R5035	X = 1696697 Y = 288505 Z = -244321	78 100 40	LAT. = -8 4 47.1 LONG. = 9 39 .8 RAD. = 1738306.0	4.3 11.5 84.2
G7032	X = 1695424 Y = 276515 Z = -263097	109 105 41	LAT. = -8 42 27.3 LONG. = 9 15 47.1 RAD. = 1737856.2	4.7 12.2 112.6
R5045	X = 1691405 Y = 289856 Z = -274709	80 99 36	LAT. = -9 5 41.2 LONG. = 9 43 27.6 RAD. = 1737910.6	4.5 11.5 84.5
R5065	X = 1681113 Y = 293848 Z = -328224	86 98 53	LAT. = -10 53 11.6 LONG. = 9 54 53.2 RAD. = 1737877.3	7.5 11.3 84.1

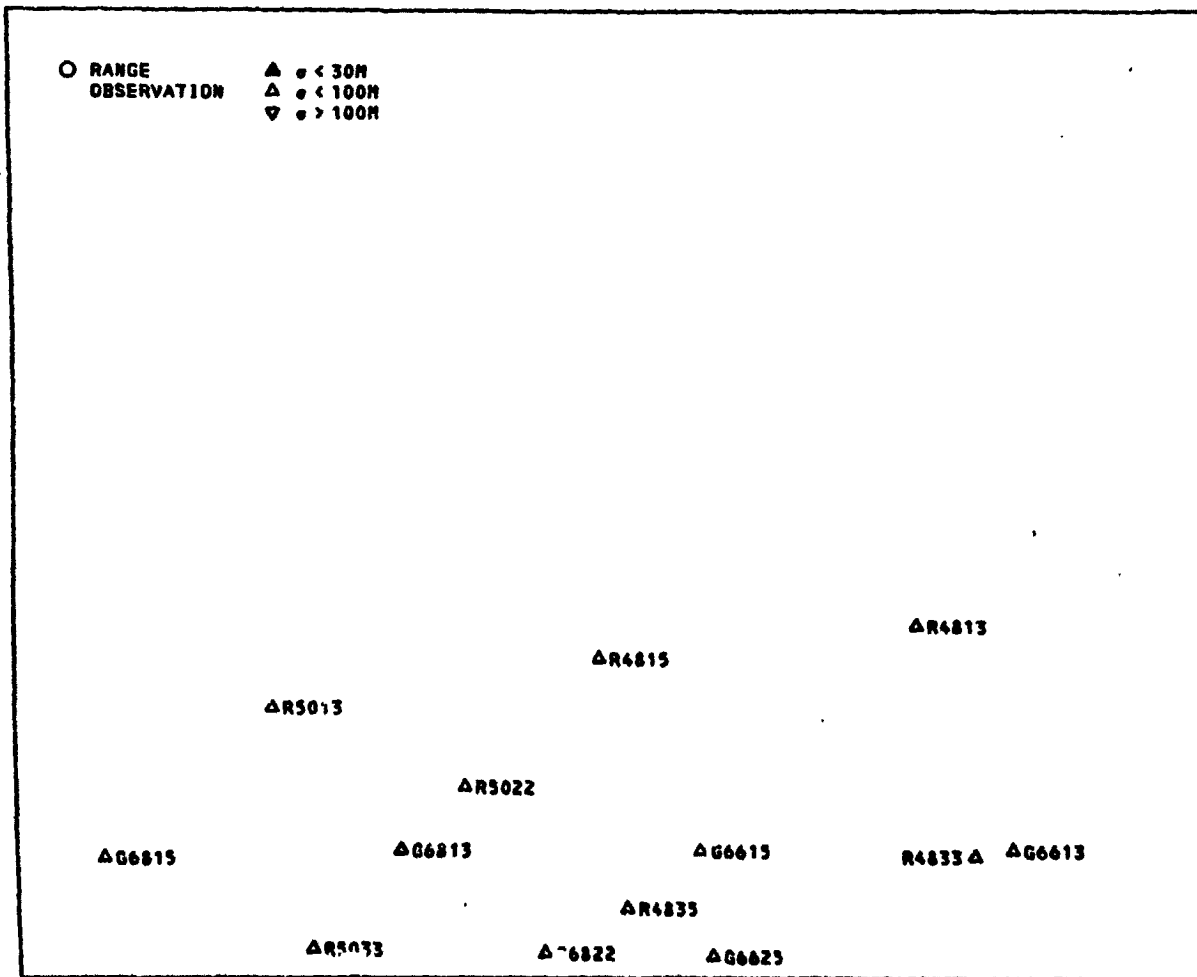


MAP SHEET 77D

TERRAIN POINTS ON MAP SHEET 77D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R5833	X = 1686863 Y = -282971 Z = -295422	217 709 59	LAT. = - 9 47 57.6 LONG. = - 9 31 21.7 RAD. = 1735757.0	6.4 87.5 151.4
R5843	X = 1682990 Y = -279866 Z = -319474	223 704 72	LAT. = -10 36 21.7 LONG. = - 9 26 29.0 RAD. = 1735755.0	9.5 87.3 151.4
R5863	X = 1669718 Y = -278732 Z = -382730	246 702 169	LAT. = -12 44 23.3 LONG. = - 9 28 38.0 RAD. = 1735549.3	22.7 88.2 149.1
R5635	X = 1701330 Y = -200163 Z = -287353	181 587 55	LAT. = - 9 31 20.2 LONG. = - 6 42 36.2 RAD. = 1736997.8	5.9 71.9 142.4
R5645	X = 1695456 Y = -199042 Z = -314620	190 585 65	LAT. = -10 26 33.0 LONG. = - 6 41 44.6 RAD. = 1735849.5	8.9 72.1 143.7
R5665	X = 1683926 Y = -196902 Z = -372264	208 582 145	LAT. = -12 23 2.8 LONG. = - 6 40 9.6 RAD. = 1735787.1	19.9 72.5 141.6
R5633	X = 1709666 Y = -120540 Z = -281291	156 479 51	LAT. = - 9 19 13.6 LONG. = - 4 1 58.7 RAD. = 1736839.8	5.6 58.3 137.1
R5643	X = 1705394 Y = -117062 Z = -308428	162 474 58	LAT. = -10 13 40.2 LONG. = - 3 55 36.3 RAD. = 1737009.2	8.2 58.0 137.0
R5663	X = 1692098 Y = -113551 Z = -369134	180 470 134	LAT. = -12 16 46.5 LONG. = - 3 50 21.0 RAD. = 1735612.0	18.8 58.0 136.5
R5435	X = 1713973 Y = -40647 Z = -277039	137 379 47	LAT. = - 9 10 44.8 LONG. = - 1 21 30.7 RAD. = 1736693.9	5.3 45.9 133.0
R5445	X = 1708741 Y = -40612 Z = -307600	144 379 56	LAT. = -10 12 7.2 LONG. = - 1 21 41.5 RAD. = 1736681.3	8.1 46.0 132.7
R5465	X = 1699989 Y = -33198 Z = -361014	154 371 117	LAT. = -11 59 13.8 LONG. = - 1 7 7.5 RAD. = 1738216.2	16.5 45.2 129.4

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MAP SHEET 78A

TERRAIN POINTS ON MAP SHEET 78A

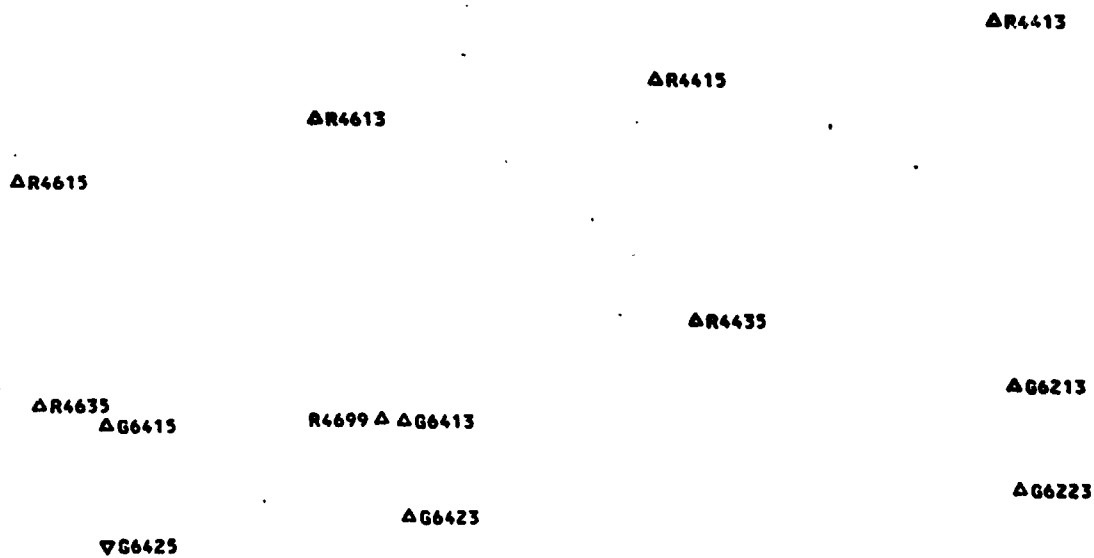
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6815	X = 1694518	72	LAT. = - 6 59 45.9	5.5
	Y = 321109	89	LONG. = 10 43 48.9	10.3
	Z = -211643	52	RAD. = 1737612.2	79.3
R5013	X = 1690286	65	LAT. = - 5 45 32.1	5.9
	Y = 363696	79	LONG. = 12 8 35.2	9.3
	Z = -174370	54	RAD. = 1737741.6	68.2
R5033	X = 1681598	65	LAT. = - 7 45 36.3	4.1
	Y = 371753	76	LONG. = 12 27 57.4	9.0
	Z = -234690	37	RAD. = 1738117.6	67.5
R5022	X = 1677821	72	LAT. = - 6 25 3.4	5.7
	Y = 410931	71	LONG. = 13 45 43.0	8.6
	Z = -194298	53	RAD. = 1738303.0	75.1
G6813	X = 1679274	64	LAT. = - 6 56 23.1	5.1
	Y = 394540	74	LONG. = 13 13 18.0	8.7
	Z = -209962	47	RAD. = 1737730.6	67.9
R4815	X = 1672467	59	LAT. = - 5 21 25.0	5.2
	Y = 445069	70	LONG. = 14 54 6.9	8.4
	Z = -162319	46	RAD. = 1738270.8	60.6
G6822	X = 1667869	64	LAT. = - 7 47 35.7	4.0
	Y = 429323	69	LONG. = 14 26 6.1	8.4
	Z = -235711	36	RAD. = 1738293.3	64.4
G6615	X = 1659910	56	LAT. = - 6 56 44.6	4.0
	Y = 468157	67	LONG. = 15 45 1.6	8.1
	Z = -210104	36	RAD. = 1737416.4	56.0
R4835	X = 1663138	59	LAT. = - 7 25 15.3	3.9
	Y = 449896	68	LONG. = 15 8 12.5	8.3
	Z = -224407	35	RAD. = 1737467.4	58.0
G6625	X = 1655695	56	LAT. = - 7 49 10.1	3.7
	Y = 470210	67	LONG. = 15 51 15.5	8.1
	Z = -236367	33	RAD. = 1737323.9	56.0
R4813	X = 1649566	59	LAT. = - 5 5 10.4	5.0
	Y = 522342	67	LONG. = 17 34 14.2	8.0
	Z = -154005	45	RAD. = 1737132.0	59.8
G6613	X = 1637139	54	LAT. = - 6 56 28.7	3.8
	Y = 543816	64	LONG. = 18 22 30.6	7.7
	Z = -210021	34	RAD. = 1737834.8	54.2

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TERRAIN POINTS ON MAP SHEET 78A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R4833	X = 1639865 Y = 534815 Z = -211569	60 66 35	LAT. = - 6 59 34.2 LONG. = 18 3 46.4 RAD. = 1737798.9	4.0 8.0 19.8

○ RANGE
OBSERVATION ▲ ● < 30M
 ▲ ● < 100M
 ▼ ● > 100M



MAP SHEET 78B

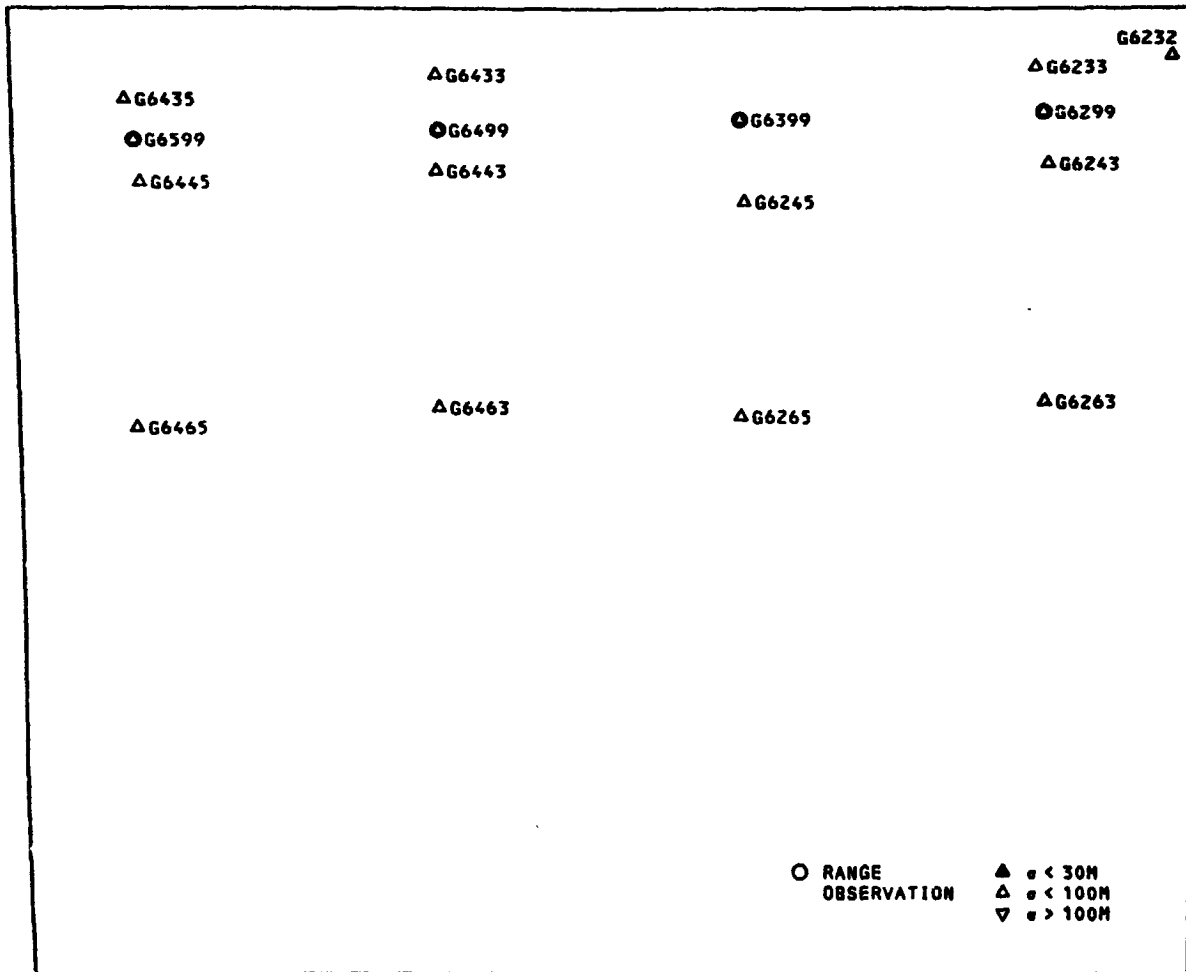
TERRAIN POINTS ON MAP SHEET 78B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R4615	X = 1623578 Y = 599119 Z = -144739	57 64 45	LAT. = - 4 46 51.1 LONG. = 20 15 16.7 RAD. = 1736634.7	5.0 7.6 59.3
R4635	X = 1618148 Y = 601876 Z = -200938	64 63 40	LAT. = - 6 38 19.1 LONG. = 20 24 10.3 RAD. = 1738112.1	4.4 7.6 65.0
G6415	X = 1610642 Y = 617011 Z = -206110	54 61 37	LAT. = - 6 48 52.2 LONG. = 20 57 39.7 RAD. = 1737052.8	4.1 7.3 55.2
G6425	X = 1607934 Y = 615569 Z = -236085	127 74 48	LAT. = - 7 48 27.9 LONG. = 20 56 54.4 RAD. = 1737847.4	4.8 12.1 110.2
R4613	X = 1595674 Y = 669856 Z = -129224	55 61 45	LAT. = - 4 16 13.5 LONG. = 22 46 20.8 RAD. = 1735390.8	5.1 7.1 58.5
R4699	X = 1582874 Y = 681406 Z = -204577	89 59 38	LAT. = - 6 46 12.0 LONG. = 23 17 28.4 RAD. = 1735 12.0	4.2 7.7 86.1
G6413	X = 1580499 Y = 686570 Z = -204984	48 56 30	LAT. = - 6 47 1.8 LONG. = 23 28 48.7 RAD. = 1735330.9	3.4 6.6 49.2
G6423	X = 1577349 Y = 686129 Z = -228857	65 75 49	LAT. = - 7 34 42.8 LONG. = 23 30 30.6 RAD. = 1735275.1	5.1 7.6 79.9
R4415	X = 1560260 Y = 749009 Z = -119953	52 57 42	LAT. = - 3 57 53.0 LONG. = 25 38 36.7 RAD. = 1734881.7	4.7 6.5 55.0
R4435	X = 1551306 Y = 755195 Z = -180352	65 76 34	LAT. = - 5 58 2.9 LONG. = 25 57 26.7 RAD. = 1734761.5	3.9 7.4 79.2
R4413	X = 1522107 Y = 825703 Z = -105795	49 52 41	LAT. = - 3 29 46.2 LONG. = 28 28 43.2 RAD. = 1734873.4	4.6 6.0 51.3
G6213	X = 1513031 Y = 825674 Z = -196956	44 47 28	LAT. = - 6 31 7.3 LONG. = 28 37 18.1 RAD. = 1734875.8	3.2 5.7 44.1

TERRAIN POINTS ON MAP SHEET 78B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6223	X = 1509654 Y = 825212 Z = -222875	40 47 24	LAT. = - 7 22 52.1 LONG. = 28 39 43.4 RAD. = 1734850.2	2.8 5.6 40.1

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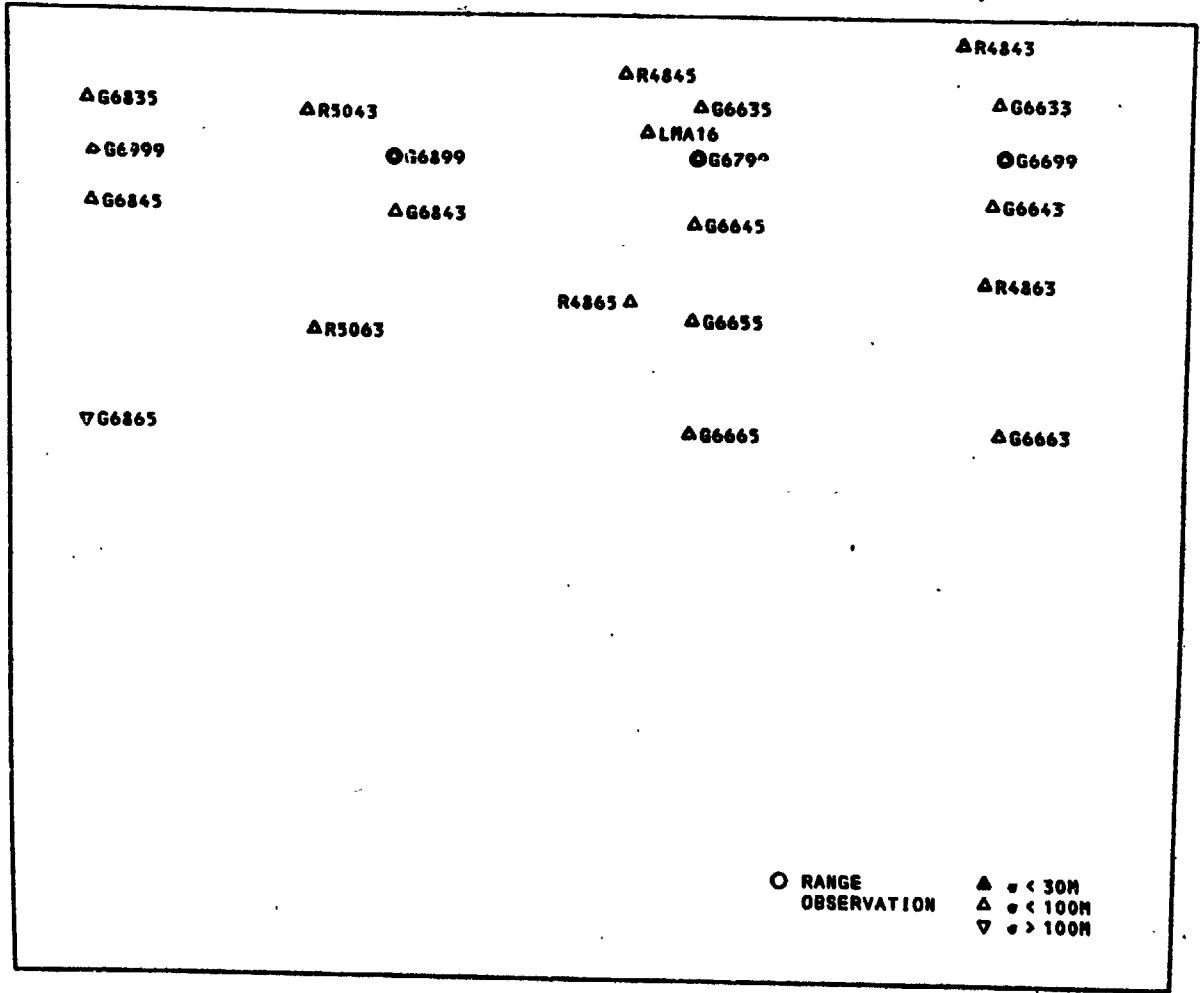
MAP SHEET 78C

TERRAIN POINTS ON MAP SHEET 78C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6435	X = 1604798	51	LAT. = - 8 44 49.4	3.4
	Y = 614457	60	LONG. = 20 57 4.4	7.2
	Z = -264398	29	RAD. = 1738631.7	50.6
G6465	X = 1589396	58	LAT. = -11 27 9.8	4.9
	Y = 609801	63	LONG. = 20 59 24.9	7.5
	Z = -344887	37	RAD. = 1736946.5	56.7
G6599	X = 1603217	49	LAT. = - 9 4 52.8	3.7
	Y = 616146	59	LONG. = 21 1 21.6	7.4
	Z = -274531	32	RAD. = 1739341.5	46.0
G6445	X = 1600832	56	LAT. = - 9 25 51.8	3.8
	Y = 616599	62	LONG. = 21 3 55.4	7.4
	Z = -284951	32	RAD. = 1738981.2	56.2
G6433	X = 1572834	49	LAT. = - 8 32 40.6	3.3
	Y = 686173	56	LONG. = 23 34 12.0	6.6
	Z = -257823	28	RAD. = 1735256.1	49.3
G6499	X = 1570550	47	LAT. = - 8 59 59.1	3.7
	Y = 685610	53	LONG. = 23 34 59.7	6.6
	Z = -271412	31	RAD. = 1735036.4	44.5
G6443	X = 1569369	53	LAT. = - 9 20 17.9	3.8
	Y = 684433	57	LONG. = 23 33 46.8	6.7
	Z = -281547	30	RAD. = 1735118.6	54.1
G6463	X = 1561679	57	LAT. = -11 17 55.6	4.9
	Y = 681214	59	LONG. = 23 34 1.7	6.8
	Z = -340413	36	RAD. = 1737462.3	56.1
G6399	X = 1538803	42	LAT. = - 8 55 7.7	3.3
	Y = 755226	49	LONG. = 26 8 28.6	6.1
	Z = -269003	28	RAD. = 1735120.4	38.7
G6245	X = 1536278	52	LAT. = - 9 36 6.0	3.6
	Y = 755259	54	LONG. = 26 10 46.1	6.3
	Z = -289596	30	RAD. = 1736212.1	53.0
G6265	X = 1526142	55	LAT. = -11 22 48.8	4.8
	Y = 749191	55	LONG. = 26 8 48.0	6.3
	Z = -342193	36	RAD. = 1734212.6	53.6
G6233	X = 1505723	42	LAT. = - 8 28 56.2	3.1
	Y = 822696	47	LONG. = 28 39 4.6	5.7
	Z = -255888	25	RAD. = 1734793.6	41.3

TERRAIN POINTS ON MAP SHEET 78C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6299	X = 1503323	40	LAT. = - 8 51 35.9	3.0
	Y = 823539	45	LONG. = 28 42 52.1	5.7
	Z = -267197	25	RAD. = 1734817.5	36.4
G6243	X = 1501082	44	LAT. = - 9 17 12.8	3.4
	Y = 823646	50	LONG. = 28 45 13.1	5.8
	Z = -279982	27	RAD. = 1734943.9	44.4
G6263	X = 1492327	51	LAT. = -11 15 16.4	4.7
	Y = 817960	51	LONG. = 28 43 39.3	5.9
	Z = -338648	35	RAD. = 1735160.3	50.3
G6232	X = 1489608	44	LAT. = - 8 23 36.1	3.3
	Y = 852877	48	LONG. = 29 47 36.1	5.6
	Z = -253266	26	RAD. = 1735071.4	45.6



MAP SHEET 78D

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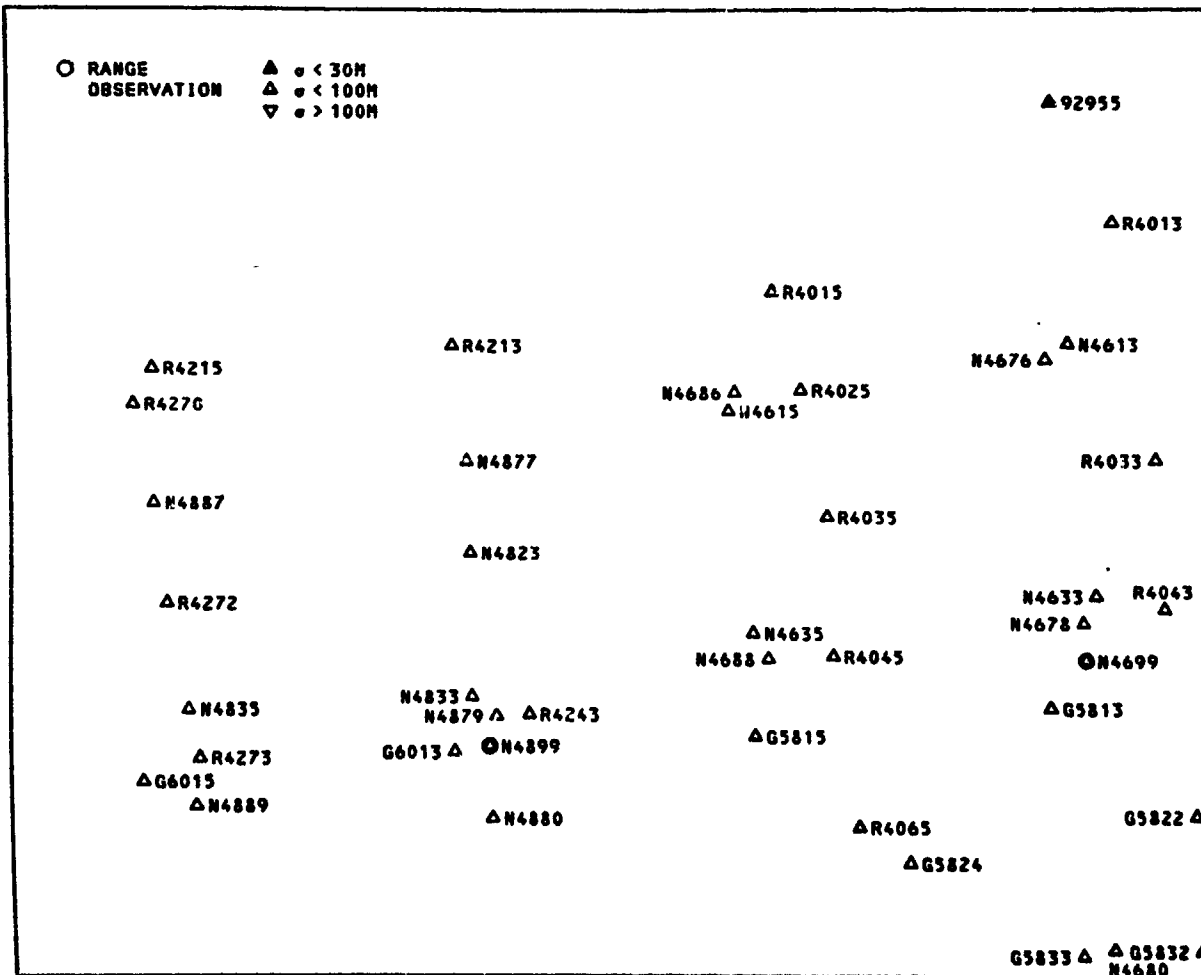
TERRAIN POINTS ON MAP SHEET 78D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6835	X = 1687811	74	LAT. = - 8 44 35.2	4.1
	Y = 318046	90	LONG. = 10 40 17.5	10.4
	Z = -264140	36	RAD. = 1737708.3	79.4
G6999	X = 1685659	75	LAT. = - 9 10 29.9	4.2
	Y = 319154	90	LONG. = 10 43 16.3	10.3
	Z = -277098	35	RAD. = 1737840.0	79.4
G6845	X = 1683984	95	LAT. = - 9 35 45.0	5.6
	Y = 318319	91	LONG. = 10 42 15.0	10.4
	Z = -289741	41	RAD. = 1738124.7	95.8
G6865	X = 1673894	83	LAT. = -11 24 33.0	7.4
	Y = 314999	92	LONG. = 10 39 26.8	10.6
	Z = -343724	53	RAD. = 1737611.1	81.1
R5043	X = 1676712	68	LAT. = - 8 49 .5	4.2
	Y = 372677	77	LONG. = 12 31 52.4	9.1
	Z = -266419	35	RAD. = 1738168.2	68.4
R5063	X = 1666900	71	LAT. = -10 38 7.8	5.7
	Y = 372573	77	LONG. = 12 35 57.2	9.2
	Z = -320744	43	RAD. = 1737884.7	68.3
G6899	X = 1669446	53	LAT. = - 9 11 25.4	3.8
	Y = 393953	68	LONG. = 13 16 39.5	8.5
	Z = -277523	33	RAD. = 1737603.9	51.1
G6843	X = 1667239	69	LAT. = - 9 39 3.8	4.6
	Y = 393898	77	LONG. = 13 17 34.2	9.1
	Z = -291326	37	RAD. = 1737731.9	70.3
R4845	X = 1658145	58	LAT. = - 8 29 1.8	3.7
	Y = 451685	67	LONG. = 15 14 16.3	8.2
	Z = -256346	32	RAD. = 1737578.3	57.2
G6635	X = 1652070	56	LAT. = - 8 45 20.0	3.7
	Y = 469845	67	LONG. = 15 52 32.3	8.1
	Z = -264531	31	RAD. = 1737834.1	55.9
LMA16	X = 1654345	55	LAT. = - 8 58 .0	3.5
	Y = 456579	66	LONG. = 15 25 43.8	8.1
	Z = -270795	30	RAD. = 1737426.7	54.1
G6799	X = 1650248	52	LAT. = - 9 10 41.4	3.7
	Y = 468691	65	LONG. = 15 51 18.8	8.1
	Z = -277182	31	RAD. = 1737762.5	49.4

TERRAIN POINTS ON MAP SHEET 78D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6645	X = 1647826 Y = 467337 Z = -293573	59 68 33	LAT. = - 9 43 33.1 LONG. = 15 50 1.5 RAD. = 1737791.8	4.0 8.2 58.7
R4865	X = 1648554 Y = 450931 Z = -312966	60 68 34	LAT. = -10 22 36.5 LONG. = 15 17 52.8 RAD. = 1737531.5	4.3 8.3 57.4
G6655	X = 1643789 Y = 465930 Z = -317445	57 67 33	LAT. = -10 31 31.6 LONG. = 15 49 31.1 RAD. = 1737786.9	4.2 8.2 55.9
G6665	X = 1637931 Y = 463828 Z = -345191	61 68 38	LAT. = -11 27 45.8 LONG. = 15 48 39.7 RAD. = 1736983.9	4.9 8.3 58.9
R4843	X = 1636937 Y = 534077 Z = -248470	60 66 33	LAT. = - 8 12 40.7 LONG. = 18 4 11.1 RAD. = 1739694.7	4.0 8.0 59.0
G6633	X = 1632040 Y = 542434 Z = -263105	56 64 32	LAT. = - 8 41 52.4 LONG. = 18 23 6.1 RAD. = 1739831.6	3.7 7.7 55.8
G6699	X = 1628625 Y = 543032 Z = -276241	50 62 30	LAT. = - 9 8 27.5 LONG. = 18 26 23.7 RAD. = 1738853.8	3.6 7.7 47.5
G6643	X = 1627783 Y = 539606 Z = -288079	53 63 30	LAT. = - 9 32 9.3 LONG. = 18 20 24.8 RAD. = 1738919.6	3.7 7.7 52.2
R4863	X = 1626306 Y = 537507 Z = -307904	62 65 39	LAT. = -10 11 27.0 LONG. = 18 17 20.9 RAD. = 1740284.2	5.0 8.0 58.7
G6663	X = 1615844 Y = 538708 Z = -344672	60 65 37	LAT. = -11 26 23.2 LONG. = 18 26 16.5 RAD. = 1737802.3	4.8 7.9 57.5

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



MAP SHEET 79A



TERRAIN POINTS ON MAP SHEET 79A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R4215	X = 1482617 Y = 897313 Z = -89715	47 49 40	LAT. = - 2 57 48.4 LONG. = 31 10 59.8 RAD. = 1735330.6	4.6 5.6 50.2
R4270	X = 1484693 Y = 892910 Z = -98652	47 50 38	LAT. = - 3 15 32.4 LONG. = 31 1 23.4 RAD. = 1735319.2	4.4 5.6 50.2
N4887	X = 1481487 Y = 896843 Z = -123455	56 76 57	LAT. = - 4 4 39.2 LONG. = 31 11 21.6 RAD. = 1736194.9	6.3 6.8 78.7
R4272	X = 1477888 Y = 898531 Z = -148514	48 48 29	LAT. = - 4 54 27.9 LONG. = 31 17 56.0 RAD. = 1735962.6	3.3 5.6 49.9
N4835	X = 1472317 Y = 901485 Z = -174903	39 46 25	LAT. = - 5 47 6.1 LONG. = 31 28 43.4 RAD. = 1735219.2	2.9 5.3 41.9
R4273	X = 1469679 Y = 903061 Z = -187035	49 48 27	LAT. = - 6 11 18.0 LONG. = 31 34 8.8 RAD. = 1735067.6	3.3 5.5 50.2
G6015	X = 1476417 Y = 890475 Z = -192825	40 45 26	LAT. = - 6 22 52.5 LONG. = 31 5 43.9 RAD. = 1734916.4	3.0 5.3 40.5
N4889	X = 1469249 Y = 901637 Z = -198906	62 74 30	LAT. = - 6 34 55.1 LONG. = 31 32 10.5 RAD. = 1735282.4	3.7 6.4 79.8
R4213	X = 1442225 Y = 961677 Z = -84188	43 47 37	LAT. = - 2 46 49.8 LONG. = 33 41 43.4 RAD. = 1735489.0	4.2 5.2 46.9
N4877	X = 1439208 Y = 964012 Z = -113158	45 46 38	LAT. = - 3 44 15.1 LONG. = 33 48 54.0 RAD. = 1735926.9	4.3 5.2 48.8
N4823	X = 1437784 Y = 964108 Z = -136117	38 42 24	LAT. = - 4 29 45.3 LONG. = 33 50 38.0 RAD. = 1736449.2	2.8 4.9 39.1
N4833	X = 1434314 Y = 962093 Z = -172056	44 42 25	LAT. = - 5 41 20.8 LONG. = 33 51 8.9 RAD. = 1735650.6	2.9 5.0 44.5

TERRAIN POINTS ON MAP SHEET 79A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6013	X = 1435153	44	LAT. = - 6 8 46.8	2.9
	Y = 957231	43	LONG. = 33 42 10.2	5.1
	Z = -185771	25	RAD. = 1735069.4	44.7
R4243	X = 1425671	46	LAT. = - 5 50 8.4	2.9
	Y = 973837	44	LONG. = 34 20 9.4	5.0
	Z = -176460	25	RAD. = 1735521.5	48.3
N4879	X = 1430519	46	LAT. = - 5 51 .2	3.1
	Y = 967035	46	LONG. = 34 3 31.7	5.1
	Z = -176918	27	RAD. = 1735753.7	48.9
N4899	X = 1430427	37	LAT. = - 6 5 51.9	2.9
	Y = 964851	38	LONG. = 34 0 1.6	5.1
	Z = -184325	25	RAD. = 1735233.2	31.6
N4880	X = 1429650	46	LAT. = - 6 41 40.5	3.2
	Y = 965160	46	LONG. = 34 1 24.2	5.1
	Z = -202469	26	RAD. = 1736786.8	48.3
R4015	X = 1396222	39	LAT. = - 2 20 9.9	4.2
	Y = 1028602	45	LONG. = 36 22 45.2	4.8
	Z = -70747	36	RAD. = 1735644.7	45.0
R4025	X = 1391449	35	LAT. = - 3 9 12.3	3.1
	Y = 1034072	39	LONG. = 36 37 6.0	4.3
	Z = -95511	27	RAD. = 1736248.7	38.3
N4686	X = 1400598	74	LAT. = - 3 10 20.6	7.5
	Y = 1020135	50	LONG. = 36 4 4.7	5.4
	Z = -96037	66	RAD. = 1735388.2	79.9
N4615	X = 1401296	39	LAT. = - 3 19 28.2	3.9
	Y = 1018737	46	LONG. = 36 1 1.3	4.6
	Z = -100637	34	RAD. = 1735391.8	47.3
R4035	X = 1385548	36	LAT. = - 4 12 4.5	2.7
	Y = 1037886	41	LONG. = 36 50 10.1	4.3
	Z = -127167	24	RAD. = 1735834.8	41.4
N4635	X = 1394774	40	LAT. = - 5 9 49.4	2.8
	Y = 1021584	41	LONG. = 36 13 13.5	4.5
	Z = -156237	25	RAD. = 1735925.2	44.0
R4045	X = 1382314	35	LAT. = - 5 21 21.7	2.5
	Y = 1037480	38	LONG. = 36 53 22.7	4.2
	Z = -162038	21	RAD. = 1735918.3	38.3

TERRAIN POINTS ON MAP SHEET 79A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N4688	X = 1392005	77	LAT. = - 5 22 38.7	3.7
	Y = 1024274	48	LONG. = 36 20 47.9	5.6
	Z = -162679	34	RAD. = 1735880.0	79.4
G5815	X = 1392353	34	LAT. = - 6 1 5.3	2.6
	Y = 1020412	39	LONG. = 36 14 11.6	4.4
	Z = -181987	22	RAD. = 1735801.3	36.5
R4065	X = 1374541	37	LAT. = - 6 46 8.6	3.0
	Y = 1040018	38	LONG. = 37 6 44.0	4.3
	Z = -204590	24	RAD. = 1735758.5	38.4
G5824	X = 1366062	36	LAT. = - 7 4 2.5	3.0
	Y = 1049648	41	LONG. = 37 32 16.0	4.2
	Z = -213584	24	RAD. = 1735944.6	40.3
92955	X = 1355694	21	LAT. = - 0 46 12.1	2.1
	Y = 1085531	23	LONG. = 38 41 5.8	2.5
	Z = -23343	18	RAD. = 1736902.1	23.3
N4613	X = 1350100	36	LAT. = - 2 46 4.7	3.5
	Y = 1086612	38	LONG. = 38 49 42.4	3.9
	Z = -83790	31	RAD. = 1735083.8	41.3
N4676	X = 1353376	40	LAT. = - 2 53 47.5	4.6
	Y = 1082283	45	LONG. = 38 38 56.4	4.7
	Z = -87680	40	RAD. = 1735123.1	46.4
N4678	X = 1343649	41	LAT. = - 5 4 49.6	3.4
	Y = 1087005	43	LONG. = 38 58 21.6	4.6
	Z = -153651	29	RAD. = 1735102.9	46.2
N4699	X = 1343013	31	LAT. = - 5 23 14.0	2.5
	Y = 1087324	30	LONG. = 38 59 39.0	3.9
	Z = -162954	21	RAD. = 1735658.5	28.0
G5813	X = 1347663	30	LAT. = - 5 47 10.1	2.3
	Y = 1079752	34	LONG. = 38 42 6.6	3.8
	Z = -174986	20	RAD. = 1735707.0	32.0
G5833	X = 1336681	32	LAT. = - 7 49 51.2	2.8
	Y = 1081653	36	LONG. = 38 58 48.3	3.9
	Z = -236487	23	RAD. = 1735688.4	34.5
R4013	X = 1345364	36	LAT. = - 1 45 52.3	4.2
	Y = 1096986	41	LONG. = 39 11 35.5	4.2
	Z = -53478	36	RAD. = 1736733.0	42.7

TERRAIN POINTS ON MAP SHEET 79A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R4033	X = 1335326	33	LAT. = - 3 43 48.1	2.6
	Y = 1103179	38	LONG. = 39 33 42.6	3.8
	Z = -112920	23	RAD. = 1735756.3	39.4
N4633	X = 1342760	37	LAT. = - 4 51 15.2	2.5
	Y = 1090380	36	LONG. = 39 4 41.2	3.9
	Z = -146898	22	RAD. = 1735947.6	40.6
R4043	X = 1331574	34	LAT. = - 4 57 45.1	2.5
	Y = 1103181	38	LONG. = 39 38 27.8	3.8
	Z = -150145	21	RAD. = 1735696.1	39.4
G5822	X = 1322475	35	LAT. = - 6 40 36.4	3.2
	Y = 1106654	37	LONG. = 39 55 22.0	3.7
	Z = -201864	25	RAD. = 1736194.7	39.2
N4680	X = 1332059	43	LAT. = - 7 46 51.8	4.5
	Y = 1087742	43	LONG. = 39 14 4.7	4.6
	Z = -234998	35	RAD. = 1735738.6	45.6
G5832	X = 1318374	39	LAT. = - 7 47 16.6	3.7
	Y = 1105140	47	LONG. = 39 58 18.3	4.1
	Z = -235284	28	RAD. = 1736318.1	48.4

TERRAIN POINTS ON MAP SHEET 79B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92920	X = 1322431 Y = 1124652 Z = -24501	20 22 15	LAT. = - 0 48 30.9 LONG. = 40 22 45.3 RAD. = 1736164.1	1.8 2.3 22.2
92799	X = 1310455 Y = 1135925 Z = -68116	21 24 18	LAT. = - 2 14 57.3 LONG. = 40 55 9.5 RAD. = 1735585.8	2.2 2.5 23.5
92796	X = 1293088 Y = 1158299 Z = -19561	20 21 13	LAT. = - 0 38 44.0 LONG. = 41 51 9.9 RAD. = 1736120.6	1.6 2.3 21.5
R3815	X = 1291148 Y = 1159562 Z = -36609	33 39 35	LAT. = - 1 12 30.6 LONG. = 41 55 35.7 RAD. = 1735796.3	4.1 3.7 40.7
N4415	X = 1305244 Y = 1141910 Z = -71095	37 43 41	LAT. = - 2 20 51.0 LONG. = 41 10 53.4 RAD. = 1735705.8	4.7 4.3 45.0
N4485	X = 1306379 Y = 1139457 Z = -84166	42 78 54	LAT. = - 2 46 46.9 LONG. = 41 5 44.8 RAD. = 1735532.7	6.1 5.7 76.8
N4435	X = 1295416 Y = 1148034 Z = -130217	34 35 21	LAT. = - 4 18 8.1 LONG. = 41 32 53.7 RAD. = 1735811.8	2.4 3.4 39.4
N4599	X = 1295292 Y = 1145824 Z = -152688	28 29 24	LAT. = - 5 2 44.4 LONG. = 41 29 46.4 RAD. = 1736089.8	2.8 3.8 25.1
N4487	X = 1295514 Y = 1143344 Z = -163050	47 75 27	LAT. = - 5 23 26.5 LONG. = 41 25 46.9 RAD. = 1735562.6	3.4 5.1 76.4
G5615	X = 1296691 Y = 1140686 Z = -173077	29 34 21	LAT. = - 5 43 22.5 LONG. = 41 20 15.9 RAD. = 1735663.9	2.5 3.5 33.9
N4489	X = 1285985 Y = 1145193 Z = -224173	51 74 49	LAT. = - 7 25 2.0 LONG. = 41 41 8.3 RAD. = 1736513.2	6.7 4.8 74.9
G5635	X = 1290504 Y = 1140605 Z = -224710	33 33 22	LAT. = - 7 26 .1 LONG. = 41 28 18.0 RAD. = 1736915.3	2.6 3.6 35.1

TERRAIN POINTS ON MAP SHEET 79B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92786	X = 1277625 Y = 1174007 Z = -51991	19 20 13	LAT. = - 1 42 58.6 LONG. = 42 34 47.4 RAD. = 1735892.5	1.6 2.3 20.1
R3835	X = 1285540 Y = 1161665 Z = -101968	30 35 22	LAT. = - 3 22 4.8 LONG. = 42 6 8.0 RAD. = 1735649.1	2.5 3.3 37.0
R3845	X = 1281604 Y = 1164190 Z = -122105	33 35 21	LAT. = - 4 2 2.3 LONG. = 42 15 5.6 RAD. = 1735729.4	2.5 3.4 30.1
G5624	X = 1270149 Y = 1165771 Z = -200384	27 29 20	LAT. = - 6 37 47.0 LONG. = 42 32 47.0 RAD. = 1735642.1	2.5 3.1 29.5
G5634	X = 1267319 Y = 1163786 Z = -228025	56 59 33	LAT. = - 7 32 57.1 LONG. = 42 33 41.2 RAD. = 1735652.8	3.5 4.1 75.5
N4413	X = 1250889 Y = 1201716 Z = -64687	31 33 27	LAT. = - 2 8 8.5 LONG. = 43 51 5.1 RAD. = 1735808.1	3.2 3.0 38.0
92752	X = 1249205 Y = 1202900 Z = -71226	25 28 18	LAT. = - 2 21 6.7 LONG. = 43 55 5.4 RAD. = 1735670.9	2.2 2.5 31.0
N4475	X = 1257584 Y = 1194050 Z = -72963	33 40 35	LAT. = - 2 24 33.3 LONG. = 43 30 55.8 RAD. = 1735683.2	4.0 3.5 43.7
N4477	X = 1245717 Y = 1199234 Z = -149603	35 38 23	LAT. = - 4 56 41.3 LONG. = 43 54 39.0 RAD. = 1735613.2	2.8 3.4 43.5
G5613	X = 1247578 Y = 1194938 Z = -169327	32 34 26	LAT. = - 5 35 53.1 LONG. = 43 45 55.3 RAD. = 1735799.4	3.0 3.5 37.0
G5623	X = 1242543 Y = 1194679 Z = -202376	31 31 22	LAT. = - 6 41 46.6 LONG. = 43 52 29.8 RAD. = 1735548.5	2.7 3.3 33.5
G5633	X = 1237949 Y = 1195104 Z = -225873	28 30 22	LAT. = - 7 28 42.1 LONG. = 43 59 28.1 RAD. = 1735456.7	2.8 3.1 30.9

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TERRAIN POINTS ON MAP SHEET 79B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R3813	X = 1236162 Y = 1218378 Z = -27026	31 36 32	LAT. = - 0 53 31.5 LONG. = 44 35 5.6 RAD. = 1735877.3	3.8 3.3 38.3
92751	X = 1243332 Y = 1210556 Z = -44423	20 20 13	LAT. = - 1 27 59.0 LONG. = 44 14 5.1 RAD. = 1735884.4	1.5 2.2 21.3
R3875	X = 1233663 Y = 1220389 Z = -44449	35 68 40	LAT. = - 1 28 2.3 LONG. = 44 41 24.4 RAD. = 1735871.4	4.6 4.9 64.9
92731	X = 1231091 Y = 1220555 Z = -87152	19 21 13	LAT. = - 2 52 40.8 LONG. = 44 45 17.5 RAD. = 1735780.6	1.6 2.3 20.9
92733	X = 1239008 Y = 1209944 Z = -117522	25 39 23	LAT. = - 3 52 56.1 LONG. = 44 19 12.1 RAD. = 1735775.7	2.9 2.9 37.7
N4433	X = 1244223 Y = 1204080 Z = -122387	32 32 20	LAT. = - 4 2 35.5 LONG. = 44 3 38.3 RAD. = 1735764.7	2.3 3.0 37.5
N4499	X = 1243964 Y = 1201637 Z = -142171	25 24 21	LAT. = - 4 41 57.1 LONG. = 44 0 30.4 RAD. = 1735393.7	2.5 3.0 23.4
N4479	X = 1231496 Y = 1204891 Z = -209458	39 37 30	LAT. = - 6 55 53.9 LONG. = 44 22 27.7 RAD. = 1735574.6	3.9 3.4 43.4
92748	X = 1226769 Y = 1228099 Z = -12105	20 19 12	LAT. = - 0 23 58.3 LONG. = 45 1 51.8 RAD. = 1735896.0	1.5 2.2 20.2
R3876	X = 1224105 Y = 1228130 Z = -78446	38 63 28	LAT. = - 2 35 25.1 LONG. = 45 5 38.5 RAD. = 1735768.0	3.2 4.3 64.8
R3877	X = 1223208 Y = 1227539 Z = -99072	39 63 26	LAT. = - 3 16 19.2 LONG. = 45 6 4.5 RAD. = 1735772.4	3.1 4.3 64.8
N4432	X = 1219370 Y = 1229436 Z = -117673	62 36 23	LAT. = - 3 53 15.6 LONG. = 45 14 7.8 RAD. = 1735575.8	2.7 4.1 62.4

TERRAIN POINTS ON MAP SHEET 79B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92710	X = 1207098 Y = 1239655 Z = -135761	20 22 15	LAT. = - 4 29 10.9 LONG. = 45 45 44.5 RAD. = 1735586.2	1.8 2.3 21.9
G5612	X = 1220824 Y = 1222428 Z = -166798	31 27 20	LAT. = - 5 30 52.7 LONG. = 45 2 15.4 RAD. = 1735674.0	2.4 3.0 32.4
R3879	X = 1214255 Y = 1228650 Z = -168454	43 64 45	LAT. = - 5 34 11.0 LONG. = 45 20 15.4 RAD. = 1735618.9	6.0 4.1 64.9
N4452	X = 1206583 Y = 1234624 Z = -179924	38 35 34	LAT. = - 5 57 .5 LONG. = 45 39 29.2 RAD. = 1735659.1	4.3 3.8 38.6
D305E	X = 1192826 Y = 1260962 Z = -9250	20 25 18	LAT. = - 0 18 19.1 LONG. = 46 35 26.0 RAD. = 1735783.0	2.2 2.4 24.4
92725	X = 1192837 Y = 1261000 Z = -9276	21 18 13	LAT. = - 0 18 22.3 LONG. = 46 35 28.2 RAD. = 1735819.3	1.5 2.2 20.8
92726	X = 1204279 Y = 1249908 Z = -25492	23 20 14	LAT. = - 0 50 29.2 LONG. = 46 3 54.5 RAD. = 1735859.0	1.6 2.3 23.4
N4281	X = 1187002 Y = 1265184 Z = -53117	43 68 56	LAT. = - 1 45 13.5 LONG. = 46 49 34.0 RAD. = 1735651.9	6.5 4.2 73.9
N4286	X = 1204406 Y = 1248386 Z = -59986	32 38 34	LAT. = - 1 58 50.0 LONG. = 46 1 38.0 RAD. = 1735701.6	3.9 3.3 41.5
92706	X = 1188451 Y = 1262230 Z = -80742	19 19 12	LAT. = - 2 39 59.4 LONG. = 46 43 27.8 RAD. = 1735557.5	1.4 2.1 19.9
N4288	X = 1196869 Y = 1251041 Z = -120021	33 37 23	LAT. = - 3 57 55.8 LONG. = 46 16 3.9 RAD. = 1735512.1	2.7 3.2 41.5
N4399	X = 1190849 Y = 1255455 Z = -131441	23 22 19	LAT. = - 4 20 37.8 LONG. = 46 30 46.2 RAD. = 1735386.0	2.2 2.8 21.5

TERRAIN POINTS ON MAP SHEET 79B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G5415	X = 1196825	30	LAT. = - 4 56 30.2	2.5
	Y = 1247976	29	LONG. = 46 11 55.0	2.9
	Z = -149506	21	RAD. = 1735565.1	33.9
92577	X = 1186312	24	LAT. = - 5 18 49.4	2.3
	Y = 1256296	25	LONG. = 46 38 28.1	2.6
	Z = -160709	19	RAD. = 1735351.3	26.6
G5425	X = 1190793	30	LAT. = - 6 19 12.2	2.6
	Y = 1248282	28	LONG. = 46 21 .7	3.1
	Z = -191071	22	RAD. = 1735713.8	31.1
N4290	X = 1183126	36	LAT. = - 6 34 3.5	3.8
	Y = 1254390	36	LONG. = 46 40 28.7	3.2
	Z = -198524	29	RAD. = 1735711.5	41.2
G5435	X = 1185577	40	LAT. = - 7 16 34.9	3.0
	Y = 1248641	33	LONG. = 46 29 2.6	3.4
	Z = -219849	24	RAD. = 1735808.1	42.9
G5599	X = 1183522	37	LAT. = - 7 37 17.2	2.9
	Y = 1248684	37	LONG. = 46 32 4.8	3.4
	Z = -230212	24	RAD. = 1735781.0	44.5
R3615	X = 1179057	30	LAT. = - 0 32 1.1	3.6
	Y = 1273645	35	LONG. = 47 12 30.7	3.2
	Z = -16166	31	RAD. = 1735686.3	37.7
92703	X = 1165876	23	LAT. = - 0 46 48.7	1.7
	Y = 1285432	19	LONG. = 47 47 32.0	2.3
	Z = -23632	14	RAD. = 1735557.8	22.5
R3690	X = 1177185	31	LAT. = - 0 48 12.2	3.4
	Y = 1275191	34	LONG. = 47 17 18.8	3.2
	Z = -24336	29	RAD. = 1735646.5	37.7
92705	X = 1175850	21	LAT. = - 2 4 30.4	1.5
	Y = 1274941	19	LONG. = 47 18 55.2	2.2
	Z = -62843	12	RAD. = 1735525.2	21.8
92572	X = 1163165	48	LAT. = - 2 22 17.6	3.7
	Y = 1285971	49	LONG. = 47 52 14.1	3.1
	Z = -71812	33	RAD. = 1735462.9	64.1
R3692	X = 1167187	32	LAT. = - 2 44 2.5	2.6
	Y = 1281516	33	LONG. = 47 40 23.4	3.2
	Z = -82776	22	RAD. = 1735356.1	37.9

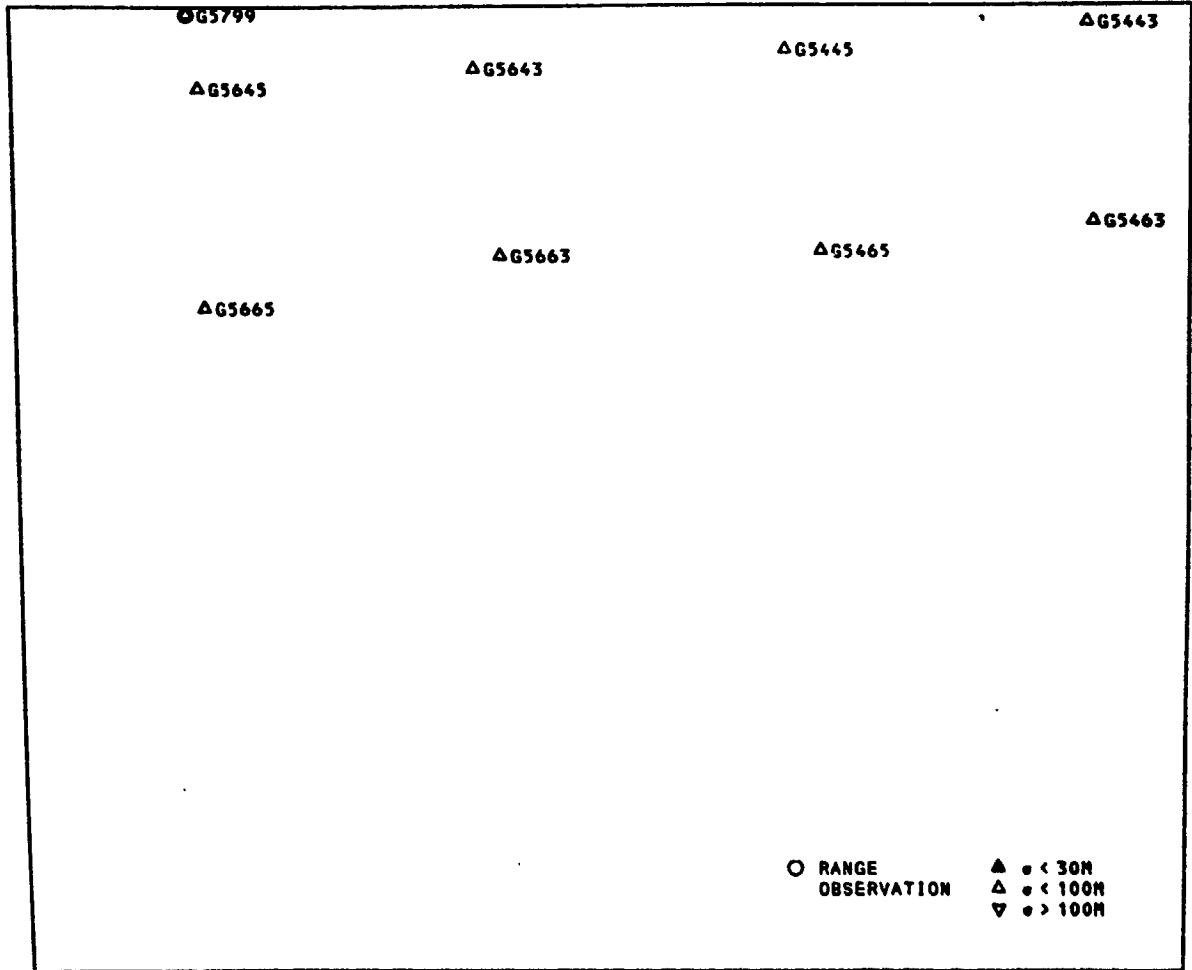
TERRAIN POINTS ON MAP SHEET 79B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R3645	X = 1159247	29	LAT. = - 3 22 22.6	2.2
	Y = 1287339	28	LONG. = 47 59 49.2	2.8
	Z = -102101	18	RAD. = 1735373.1	33.5
N4283	X = 1178581	47	LAT. = - 4 7 57.4	3.1
	Y = 1267669	65	LONG. = 47 5 8.5	3.9
	Z = -125063	27	RAD. = 1735418.5	73.8
92575	X = 1179466	35	LAT. = - 4 20 18.8	2.5
	Y = 1266045	36	LONG. = 47 1 39.4	2.9
	Z = -131275	20	RAD. = 1735293.1	43.1
E2755	X = 1179058	20	LAT. = - 4 20 58.8	2.2
	Y = 1266388	25	LONG. = 47 2 42.9	2.4
	Z = -131610	17	RAD. = 1735292.2	24.3
G5434	X = 1160318	54	LAT. = - 6 55 58.4	3.5
	Y = 1273726	60	LONG. = 47 40 3.5	3.8
	Z = -209509	34	RAD. = 1735687.4	76.7
C1466	X = 1148408	17	LAT. = - 1 21 30.7	1.3
	Y = 1300354	17	LONG. = 48 33 2.4	2.0
	Z = -41143	11	RAD. = 1735354.8	16.9
92569	X = 1148515	34	LAT. = - 1 22 17.1	5.0
	Y = 1300647	56	LONG. = 48 33 15.9	3.1
	Z = -41540	43	RAD. = 1735654.4	60.9
N4276	X = 1148476	31	LAT. = - 1 51 3.4	3.7
	Y = 1299687	38	LONG. = 48 32 3.8	3.2
	Z = -56050	32	RAD. = 1735316.8	41.1
R3687	X = 1150588	43	LAT. = - 2 55 2.8	3.1
	Y = 1296114	59	LONG. = 48 24 13.9	3.7
	Z = -88326	25	RAD. = 1735386.5	65.1
N4233	X = 1139237	28	LAT. = - 3 23 3.0	2.2
	Y = 1304923	31	LONG. = 48 52 41.1	2.7
	Z = -102434	18	RAD. = 1735274.3	34.4
N4278	X = 1140330	32	LAT. = - 3 43 36.4	2.6
	Y = 1303093	36	LONG. = 48 48 39.6	3.1
	Z = -112790	23	RAD. = 1735259.4	41.0
92495	X = 1136012	20	LAT. = - 3 55 27.8	1.5
	Y = 1306352	25	LONG. = 48 59 22.5	2.2
	Z = -118762	13	RAD. = 1735275.6	26.3

TERRAIN POINTS ON MAP SHEET 79B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R3694	X = 1155070	35	LAT. = - 4 49 1.8	3.4
	Y = 1286723	32	LONG. = 48 5 10.3	3.2
	Z = -145720	27	RAD. = 1735246.1	37.8
G5413	X = 1136965	23	LAT. = - 4 52 23.0	2.0
	Y = 1302511	25	LONG. = 48 52 56.0	2.6
	Z = -147404	17	RAD. = 1735209.9	25.5
92947	X = 1152441	30	LAT. = - 5 4 48.2	3.1
	Y = 1288166	30	LONG. = 48 10 58.8	2.8
	Z = -153652	25	RAD. = 1735251.9	34.1
G5433	X = 1130381	31	LAT. = - 7 3 48.2	2.5
	Y = 1299530	28	LONG. = 48 58 55.1	3.1
	Z = -213414	21	RAD. = 1735536.0	33.2
83066	X = 1132359	19	LAT. = - 0 32 27.5	2.2
	Y = 1315262	26	LONG. = 49 16 24.9	2.4
	Z = -16387	18	RAD. = 1735632.4	24.6
C1454	X = 1135701	17	LAT. = - 0 35 5.9	1.3
	Y = 1312333	16	LONG. = 49 7 36.8	2.0
	Z = -17720	11	RAD. = 1735612.2	15.9
92493	X = 1128022	23	LAT. = - 3 13 40.7	1.9
	Y = 1314941	22	LONG. = 49 22 31.3	2.5
	Z = -97709	16	RAD. = 1735237.4	24.4
92485	X = 1123893	19	LAT. = - 5 4 39.1	1.6
	Y = 1313281	22	LONG. = 49 26 36.3	2.2
	Z = -153584	13	RAD. = 1735347.9	22.4
92487	X = 1132442	20	LAT. = - 5 46 19.7	2.2
	Y = 1303268	26	LONG. = 49 0 42.5	2.4
	Z = -174527	18	RAD. = 1735335.8	24.6
N4263	X = 1119659	26	LAT. = - 6 17 45.9	2.4
	Y = 1312119	27	LONG. = 49 31 30.6	2.8
	Z = -190312	19	RAD. = 1735370.3	29.5
N4280	X = 1125882	35	LAT. = - 6 20 57.9	3.9
	Y = 1306657	36	LONG. = 49 15 .5	3.2
	Z = -191926	30	RAD. = 1735453.7	40.7
G5499	X = 1127557	28	LAT. = - 7 23 21.3	2.8
	Y = 1300376	26	LONG. = 49 4 17.1	3.4
	Z = -223210	23	RAD. = 1735565.3	25.8

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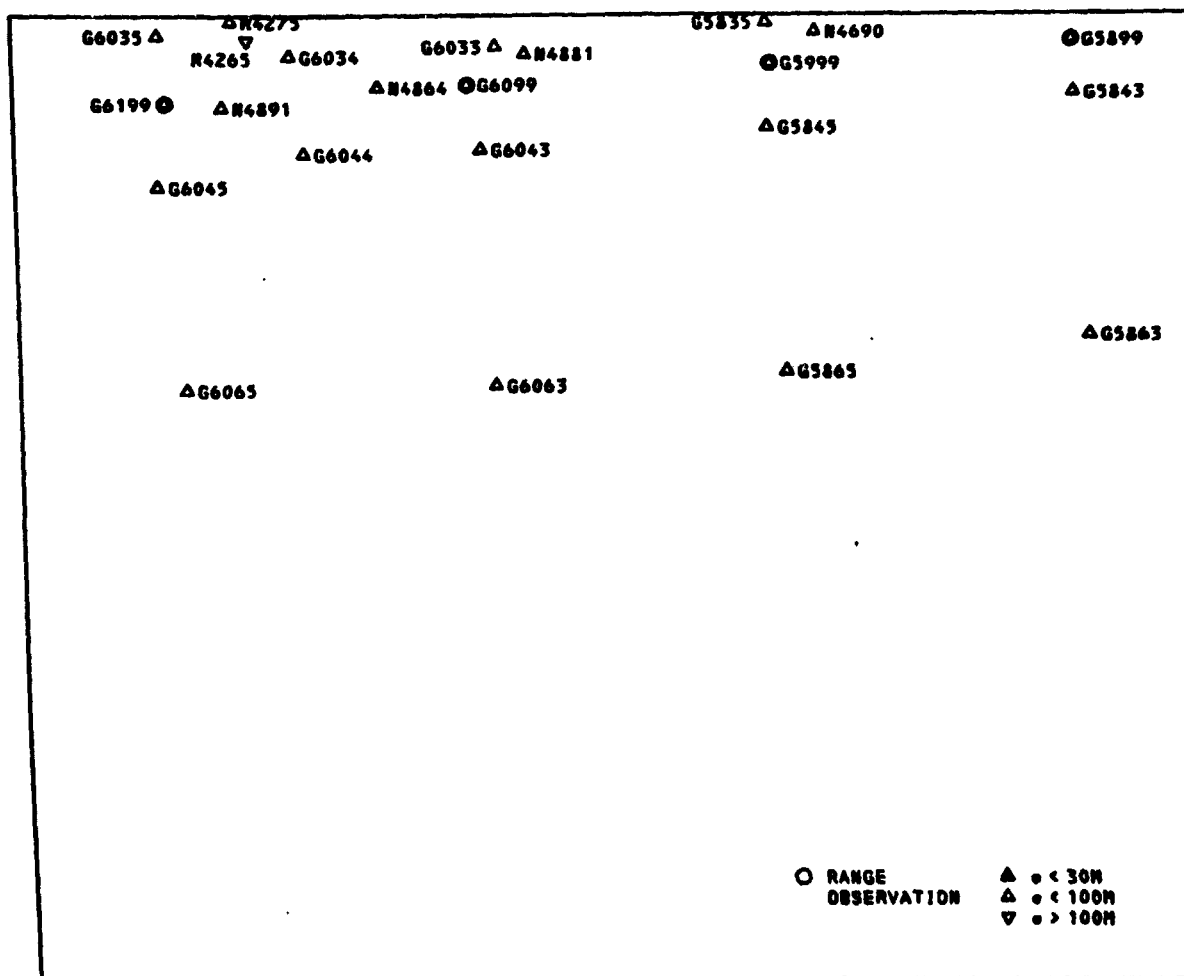


MAP SHEET 79C

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TERRAIN POINTS ON MAP SHEET 79C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G5799	X = 1287034	31	LAT. = - 8 3 52.1	3.0
	Y = 1138033	31	LONG. = 41 29 2.6	3.9
	Z = -243423	26	RAD. = 1735174.3	28.8
G5645	X = 1283308	40	LAT. = - 8 40 46.4	3.2
	Y = 1138338	40	LONG. = 41 34 26.9	3.9
	Z = -261871	26	RAD. = 1735300.9	45.4
G5665	X = 1276680	41	LAT. = -10 30 13.4	4.4
	Y = 1133862	41	LONG. = 41 36 33.7	3.9
	Z = -316581	32	RAD. = 1736599.3	44.7
G5643	X = 1236545	38	LAT. = - 8 31 8.4	3.1
	Y = 1190954	40	LONG. = 43 55 26.5	3.6
	Z = -257160	25	RAD. = 1735956.8	45.2
G5663	X = 1225473	41	LAT. = -10 4 25.5	4.3
	Y = 1189298	41	LONG. = 44 8 30.3	3.6
	Z = -303379	32	RAD. = 1734431.4	45.8
G5445	X = 1180901	38	LAT. = - 8 22 5.4	3.0
	Y = 1246928	38	LONG. = 46 33 28.2	3.4
	Z = -252624	24	RAD. = 1735849.5	44.5
G5465	X = 1169004	41	LAT. = -10 2 11.1	4.3
	Y = 1247485	38	LONG. = 46 51 36.6	3.4
	Z = -302572	31	RAD. = 1736185.4	44.2
G5443	X = 1124428	36	LAT. = - 8 8 30.0	2.9
	Y = 1299151	37	LONG. = 49 7 24.6	3.4
	Z = -245807	23	RAD. = 1735670.2	42.9
G5463	X = 1117997	38	LAT. = - 9 47 9.2	4.1
	Y = 1294760	39	LONG. = 49 11 24.3	3.4
	Z = -295046	30	RAD. = 1735907.3	42.8



MAP SHEET 79D

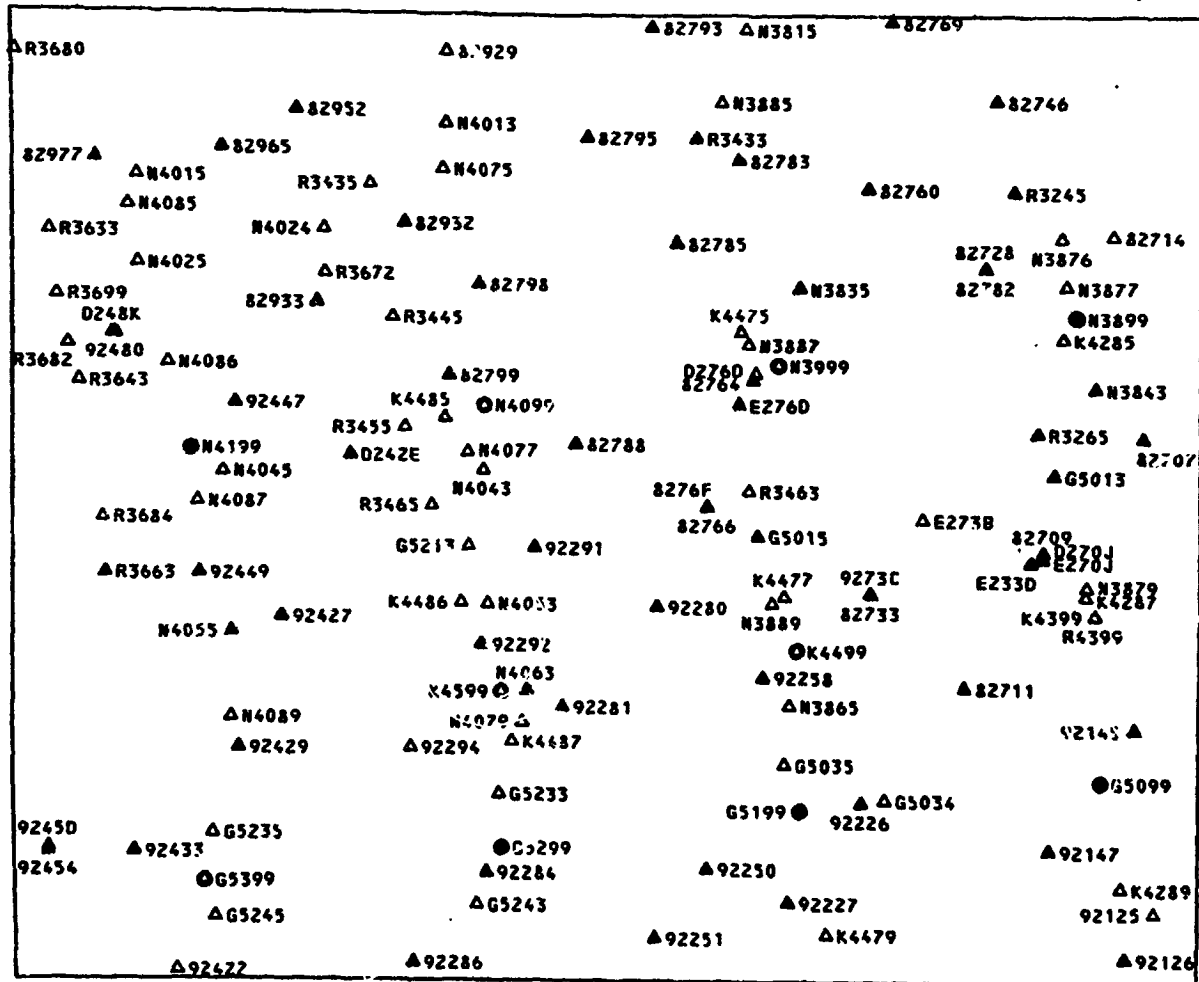
TERRAIN POINTS ON MAP SHEET 79D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R4275	X = 1460454 Y = 906863 Z = -243037	51 47 34	LAT. = - 8 2 48.5 LONG. = 31 50 17.0 RAD. = 1736200.7	4.4 5.5 49.6
G6035	X = 1468508 Y = 890088 Z = -246345	40 44 24	LAT. = - 8 9 49.8 LONG. = 31 13 14.8 RAD. = 1734778.8	2.9 5.2 39.5
R4265	X = 1457540 Y = 909909 Z = -247628	227 113 107	LAT. = - 8 12 3.1 LONG. = 31 58 32.1 RAD. = 1735994.1	16.6 6.8 230.1
G6199	X = 1465627 Y = 890222 Z = -263190	38 42 26	LAT. = - 8 43 32.6 LONG. = 31 16 28.2 RAD. = 1734884.9	3.1 5.4 34.9
N4891	X = 1458668 Y = 902834 Z = -264405	68 74 50	LAT. = - 8 45 43.5 LONG. = 31 45 18.7 RAD. = 1735722.3	7.0 6.2 79.4
G6045	X = 1464001 Y = 886784 Z = -283839	41 46 27	LAT. = - 9 24 56.3 LONG. = 31 12 15.9 RAD. = 1735007.2	3.4 5.4 41.9
G6065	X = 1452683 Y = 887144 Z = -334087	50 49 34	LAT. = -11 6 16.2 LONG. = 31 24 43.7 RAD. = 1734625.2	4.7 5.6 49.5
G6034	X = 1451507 Y = 918800 Z = -251747	42 44 25	LAT. = - 8 20 13.7 LONG. = 32 20 1.3 RAD. = 1736215.3	3.2 5.1 42.3
G6044	X = 1445646 Y = 919059 Z = -275886	48 47 28	LAT. = - 9 8 55.9 LONG. = 32 26 45.2 RAD. = 1735129.9	3.7 5.2 49.1
G6099	X = 1427332 Y = 956923 Z = -259179	37 39 25	LAT. = - 8 34 36.8 LONG. = 33 50 20.3 RAD. = 1737858.6	3.0 5.0 34.3
N4864	X = 1439152 Y = 937465 Z = -259661	48 44 26	LAT. = - 8 35 48.9 LONG. = 33 4 49.0 RAD. = 1737073.3	3.4 5.2 48.3
G6043	X = 1421668 Y = 957107 Z = -274978	46 48 33	LAT. = - 9 6 54.9 LONG. = 33 56 58.4 RAD. = 1735744.0	4.2 5.5 47.4

TERRAIN POINTS ON MAP SHEET 79D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6033	X = 1424644 Y = 963824 Z = -249713	42 41 25	LAT. = - 8 15 37.3 LONG. = 34 4 47.3 RAD. = 1738080.8	3.1 5.0 41.0
N4881	X = 1420469 Y = 970047 Z = -251604	48 45 32	LAT. = - 8 19 18.6 LONG. = 34 19 45.9 RAD. = 1738398.1	4.2 5.1 47.5
G6063	X = 1410420 Y = 953433 Z = -333020	49 47 34	LAT. = -11 4 4.9 LONG. = 34 3 30.2 RAD. = 1734710.5	4.7 5.2 48.7
G5835	X = 1383446 Y = 1018618 Z = -243480	43 45 28	LAT. = - 8 3 59.1 LONG. = 36 21 49.8 RAD. = 1735162.2	3.2 4.8 48.5
N4690	X = 1375883 Y = 1028390 Z = -245850	87 47 46	LAT. = - 8 8 42.3 LONG. = 36 46 33.2 RAD. = 1735247.1	6.5 6.1 80.2
G5999	X = 1381642 Y = 1018608 Z = -253692	36 37 27	LAT. = - 8 24 25.4 LONG. = 36 23 57.4 RAD. = 1735182.1	3.2 4.8 32.5
G5845	X = 1380294 Y = 1016606 Z = -269520	80 48 31	LAT. = - 8 56 6.0 LONG. = 36 22 19.8 RAD. = 1735321.4	3.8 5.8 79.8
G5865	X = 1368467 Y = 1013604 Z = -329683	47 46 34	LAT. = -10 57 23.5 LONG. = 36 31 36.5 RAD. = 1734585.2	4.7 4.8 48.5
G5899	X = 1336093 Y = 1079685 Z = -247963	35 33 26	LAT. = - 8 12 49.7 LONG. = 38 56 28.9 RAD. = 1735612.4	3.1 4.4 31.1
G5843	X = 1334199 Y = 1078836 Z = -260951	41 43 26	LAT. = - 8 38 51.7 LONG. = 38 57 32.7 RAD. = 1735531.3	3.2 4.3 46.9
G5863	X = 1323208 Y = 1075321 Z = -320822	44 44 33	LAT. = -10 39 22.2 LONG. = 39 5 58.0 RAD. = 1734970.6	4.6 4.3 47.0

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.



○ RANGE OBSERVATION
▲ < 30M
△ < 100M
▽ > 100M

MAP SHEET 80A

TERRAIN POINTS ON MAP SHEET 80A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R3680	X = 1114780 Y = 1330096 Z = -10097	29 35 29	LAT. = - 0 20 .0 LONG. = 50 1 58.7 RAD. = 1735508.8	3.4 3.2 36.8
82977	X = 1099007 Y = 1342597 Z = -36375	19 18 13	LAT. = - 1 12 3.7 LONG. = 50 41 50.4 RAD. = 1735426.6	1.5 2.2 18.7
N4085	X = 1092281 Y = 1347583 Z = -48147	29 38 31	LAT. = - 1 35 23.6 LONG. = 50 58 24.8 RAD. = 1735332.1	3.6 3.2 40.3
R3633	X = 1107710 Y = 1334806 Z = -54604	37 33 26	LAT. = - 1 48 11.1 LONG. = 50 18 42.8 RAD. = 1735427.4	3.0 3.0 43.6
R3699	X = 1105889 Y = 1335398 Z = -70702	31 33 22	LAT. = - 2 20 6.2 LONG. = 50 22 14.4 RAD. = 1735303.2	2.6 3.1 36.9
D248K	X = 1094575 Y = 1343952 Z = -80435	20 49 21	LAT. = - 2 39 25.1 LONG. = 50 50 20.8 RAD. = 1735157.5	2.7 3.7 41.7
92480	X = 1093940 Y = 1344506 Z = -80506	17 17 11	LAT. = - 2 39 33.3 LONG. = 50 52 .9 RAD. = 1735189.0	1.3 2.0 17.2
R3682	X = 1103396 Y = 1336737 Z = -83012	31 33 22	LAT. = - 2 44 30.9 LONG. = 50 27 44.6 RAD. = 1735292.4	2.6 3.1 37.0
R3643	X = 1100954 Y = 1338252 Z = -92277	28 28 18	LAT. = - 3 2 53.1 LONG. = 50 33 23.5 RAD. = 1735377.1	2.1 2.7 32.5
R3684	X = 1094727 Y = 1340323 Z = -126348	33 33 26	LAT. = - 4 10 32.6 LONG. = 50 45 33.5 RAD. = 1735181.6	3.2 3.1 37.1
R3663	X = 1093760 Y = 1340026 Z = -140284	22 22 16	LAT. = - 4 38 11.9 LONG. = 50 46 40.4 RAD. = 1735413.8	1.9 2.5 22.9
92450	X = 1100037 Y = 1324483 Z = -208606	20 26 16	LAT. = - 6 54 30.0 LONG. = 50 17 20.4 RAD. = 1734316.2	2.1 2.4 24.6

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92454	X = 1099914 Y = 1324377 Z = -209528	21 26 18	LAT. = - 6 56 21.2 LONG. = 50 17 23.6 RAD. = 1734268.5	2.2 2.5 24.7
82965	X = 1073881 Y = 1362972 Z = -33748	17 17 11	LAT. = - 1 6 51.1 LONG. = 51 45 56.0 RAD. = 1735526.2	1.4 2.0 16.9
N4015	X = 1090612 Y = 1349191 Z = -40720	25 32 23	LAT. = - 1 20 40.4 LONG. = 51 2 59.4 RAD. = 1735340.8	2.7 2.7 33.7
N4025	X = 1090116 Y = 1348740 Z = -62688	25 32 20	LAT. = - 2 4 12.8 LONG. = 51 3 11.5 RAD. = 1735332.9	2.3 2.7 33.4
N4086	X = 1083256 Y = 1352639 Z = -87620	31 37 24	LAT. = - 2 53 40.2 LONG. = 51 18 38.3 RAD. = 1735152.6	2.7 3.1 40.4
92447	X = 1069529 Y = 1362858 Z = -97596	22 21 17	LAT. = - 3 13 27.7 LONG. = 51 52 34.5 RAD. = 1735165.8	1.9 2.2 24.3
N4199	X = 1077863 Y = 1355348 Z = -109032	21 21 18	LAT. = - 3 36 9.8 LONG. = 51 30 21.4 RAD. = 1735121.3	2.1 2.7 18.8
N4045	X = 1071349 Y = 1360073 Z = -114750	24 30 18	LAT. = - 3 47 30.8 LONG. = 51 46 19.2 RAD. = 1735152.9	2.1 2.7 30.5
N4087	X = 1076047 Y = 1355719 Z = -122319	32 36 22	LAT. = - 4 2 32.5 LONG. = 51 33 38.3 RAD. = 1735169.7	2.6 3.1 40.3
92449	X = 1075119 Y = 1355096 Z = -140258	20 20 13	LAT. = - 4 38 8.3 LONG. = 51 34 18.7 RAD. = 1735464.8	1.5 2.1 22.0
N4055	X = 1068022 Y = 1359053 Z = -154940	22 27 18	LAT. = - 5 7 20.0 LONG. = 51 50 15.7 RAD. = 1735425.3	2.1 2.6 27.5
N4089	X = 1066629 Y = 1357332 Z = -176211	34 36 28	LAT. = - 5 49 41.9 LONG. = 51 50 19.5 RAD. = 1735252.1	3.7 3.1 40.1

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92429	X = 1064742 Y = 1357933 Z = -183877	18 22 13	LAT. = - 6 4 56.7 LONG. = 51 54 .1.3 RAD. = 1735358.5	1.6 2.1 21.8
G5235	X = 1068381 Y = 1351987 Z = -205064	27 34 20	LAT. = - 6 47 11.5 LONG. = 51 40 59.3 RAD. = 1735326.0	2.4 3.0 35.7
92433	X = 1083731 Y = 1338997 Z = -209678	18 23 15	LAT. = - 6 56 23.9 LONG. = 51 0 52.8 RAD. = 1735324.4	1.9 2.2 21.7
G5399	X = 1069260 Y = 1349461 Z = -217049	26 31 26	LAT. = - 7 11 6.1 LONG. = 51 36 29.1 RAD. = 1735359.5	3.2 3.9 23.1
G5245	X = 1066471 Y = 1350402 Z = -226011	27 35 20	LAT. = - 7 28 57.7 LONG. = 51 42 1.1 RAD. = 1735519.7	2.5 3.0 35.6
92422	X = 1072870 Y = 1342731 Z = -239419	24 39 21	LAT. = - 7 55 49.2 LONG. = 51 22 27.9 RAD. = 1735308.7	2.8 3.1 36.4
82952	X = 1058798 Y = 1375041 Z = -24213	19 20 13	LAT. = - 0 47 57.7 LONG. = 52 24 11.9 RAD. = 1735620.0	1.5 2.1 21.1
N4024	X = 1052660 Y = 1378517 Z = -53957	34 34 23	LAT. = - 1 46 54.6 LONG. = 52 38 2.5 RAD. = 1735313.6	2.6 2.8 42.7
R3672	X = 1052276 Y = 1378297 Z = -65014	55 46 25	LAT. = - 2 8 49.6 LONG. = 52 38 22.9 RAD. = 1735284.7	3.0 3.8 63.8
82933	X = 1053733 Y = 1376793 Z = -72319	16 16 11	LAT. = - 2 23 18.7 LONG. = 52 34 16.5 RAD. = 1735263.9	1.3 1.9 16.2
D242E	X = 1045963 Y = 1380815 Z = -110564	18 26 16	LAT. = - 3 39 7.4 LONG. = 52 51 22.2 RAD. = 1735774.4	2.0 2.4 24.3
92427	X = 1057820 Y = 1367102 Z = -151091	19 21 12	LAT. = - 4 59 43.5 LONG. = 52 16 6.4 RAD. = 1735159.5	1.4 2.1 21.7

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82929	X = 1027896 Y = 1397557 Z = -9383	24 27 14	LAT. = - 0 18 35.5 LONG. = 53 39 56.6 RAD. = 1734884.6	1.6 2.2 30.9
N4013	X = 1027939 Y = 1397251 Z = -27385	24 31 22	LAT. = - 0 54 16.1 LONG. = 53 39 30.8 RAD. = 1734853.8	2.6 2.6 32.7
N4075	X = 1028452 Y = 1396816 Z = -38839	29 37 30	LAT. = - 1 16 57.7 LONG. = 53 38 11.1 RAD. = 1735026.7	3.5 3.1 39.7
R3435	X = 1043603 Y = 1385976 Z = -42586	37 33 25	LAT. = - 1 24 22.0 LONG. = 53 1 16.5 RAD. = 1735468.5	2.9 2.9 42.8
82932	X = 1036525 Y = 1391164 Z = -52448	19 24 14	LAT. = - 1 43 53.9 LONG. = 53 18 39.7 RAD. = 1735648.1	1.7 2.2 23.5
82798	X = 1020626 Y = 1401548 Z = -67705	16 16 11	LAT. = - 2 14 10.6 LONG. = 53 56 14.7 RAD. = 1735107.7	1.3 1.9 16.0
R3445	X = 1038260 Y = 1388590 Z = -75977	27 28 18	LAT. = - 2 30 32.8 LONG. = 53 12 51.3 RAD. = 1735494.0	2.1 2.6 31.3
82799	X = 1026041 Y = 1396349 Z = -90464	16 16 11	LAT. = - 2 59 18.8 LONG. = 53 41 29.3 RAD. = 1735146.4	1.2 1.9 15.6
N4099	X = 1018731 Y = 1401409 Z = -97994	22 19 19	LAT. = - 3 14 14.0 LONG. = 53 59 7.3 RAD. = 1735328.0	2.3 2.7 17.8
K4485	X = 1026494 Y = 1395331 Z = -101112	30 80 54	LAT. = - 3 20 26.2 LONG. = 53 39 34.0 RAD. = 1735183.2	5.9 5.3 75.4
R3455	X = 1034902 Y = 1389240 Z = -103659	27 27 18	LAT. = - 3 25 27.6 LONG. = 53 18 57.8 RAD. = 1735440.8	2.3 2.6 31.4
N4077	X = 1021577 Y = 1398358 Z = -109859	30 36 22	LAT. = - 3 37 47.4 LONG. = 53 50 59.4 RAD. = 1735250.2	2.6 3.0 39.5

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N4043	X = 1018324	24	LAT. = - 3 46 32.1	2.4
	Y = 1400512	42	LONG. = 53 58 43.6	3.1
	Z = -114271	21	RAD. = 1735360.7	40.3
R3465	X = 1028433	28	LAT. = - 4 4 6.1	2.5
	Y = 1392237	27	LONG. = 53 32 49.4	2.7
	Z = -123111	20	RAD. = 1735267.9	31.5
G5213	X = 1020719	28	LAT. = - 4 24 26.4	2.7
	Y = 1397155	27	LONG. = 53 50 57.4	2.9
	Z = -133362	24	RAD. = 1735423.7	30.8
K4486	X = 1021442	32	LAT. = - 4 52 21.0	3.4
	Y = 1395077	79	LONG. = 53 47 21.5	5.0
	Z = -147395	32	RAD. = 1735312.3	75.1
92292	X = 1016686	19	LAT. = - 5 13 19.8	1.4
	Y = 1397468	20	LONG. = 53 57 48.1	2.0
	Z = -157950	12	RAD. = 1735371.5	21.7
92294	X = 1029779	21	LAT. = - 6 4 47.8	1.9
	Y = 1384676	39	LONG. = 53 21 43.0	2.7
	Z = -183805	18	RAD. = 1735383.8	38.9
G5243	X = 1013350	24	LAT. = - 7 22 35.3	2.4
	Y = 1390919	34	LONG. = 53 55 29.6	2.7
	Z = -222789	19	RAD. = 1735271.9	33.9
92286	X = 1025215	17	LAT. = - 7 51 25.6	1.7
	Y = 1379872	23	LONG. = 53 23 18.4	2.2
	Z = -237220	13	RAD. = 1735335.0	21.8
82795	X = 998479	19	LAT. = - 1 0 59.8	1.6
	Y = 1418155	24	LONG. = 54 51 6.5	2.2
	Z = -30777	14	RAD. = 1734666.8	24.4
82788	X = 999217	16	LAT. = - 3 33 32.7	1.3
	Y = 1414631	16	LONG. = 54 45 53.0	1.9
	Z = -107723	11	RAD. = 1735287.2	16.6
92291	X = 1006990	17	LAT. = - 4 25 7.8	1.4
	Y = 1407041	19	LONG. = 54 24 34.1	2.0
	Z = -133708	12	RAD. = 1735416.7	18.9
N4053	X = 1015979	24	LAT. = - 4 52 53.9	2.2
	Y = 1399102	30	LONG. = 54 0 51.0	2.6
	Z = -147676	18	RAD. = 1735369.5	30.8

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N4063	X = 1006713	22	LAT. = - 5 36 17.0	2.0
	Y = 1403374	23	LONG. = 54 20 46.2	2.4
	Z = -169489	16	RAD. = 1735412.0	24.9
K4599	X = 1011945	25	LAT. = - 5 36 49.1	2.7
	Y = 1399557	21	LONG. = 54 7 52.7	3.1
	Z = -169757	23	RAD. = 1735399.4	19.6
92281	X = 999115	19	LAT. = - 5 44 15.9	1.5
	Y = 1408656	20	LONG. = 54 39 11.3	2.1
	Z = -173527	13	RAD. = 1735700.0	21.6
N4079	X = 1007085	34	LAT. = - 5 51 49.1	4.0
	Y = 1402115	36	LONG. = 54 18 42.4	3.1
	Z = -177289	31	RAD. = 1735390.1	39.5
K4487	X = 1008895	36	LAT. = - 6 1 29.6	3.4
	Y = 1400084	75	LONG. = 54 13 25.0	4.3
	Z = -182139	26	RAD. = 1735303.6	74.8
G5233	X = 1010965	25	LAT. = - 6 27 28.5	2.2
	Y = 1397291	32	LONG. = 54 6 48.9	2.7
	Z = -195217	18	RAD. = 1735679.3	33.8
G5299	X = 1009302	21	LAT. = - 6 54 20.2	2.2
	Y = 1396123	21	LONG. = 54 8 8.3	2.7
	Z = -208646	18	RAD. = 1735333.5	20.0
92284	X = 1011898	18	LAT. = - 7 6 43.2	1.6
	Y = 1393159	30	LONG. = 54 0 28.2	2.4
	Z = -214836	14	RAD. = 1735219.1	28.8
82793	X = 985249	20	LAT. = - 0 6 1.3	1.7
	Y = 1427945	23	LONG. = 55 23 42.8	2.1
	Z = -3038	14	RAD. = 1734864.0	24.4
N3885	X = 970354	28	LAT. = - 0 43 30.3	3.6
	Y = 1437934	38	LONG. = 55 59 15.1	3.0
	Z = -21954	31	RAD. = 1734855.6	39.7
R3433	X = 975608	22	LAT. = - 1 1 19.0	2.1
	Y = 1434154	27	LONG. = 55 46 25.8	2.5
	Z = -30941	18	RAD. = 1734810.6	27.7
82785	X = 979307	20	LAT. = - 1 53 41.1	1.5
	Y = 1430868	25	LONG. = 55 36 42.1	2.0
	Z = -57361	13	RAD. = 1734853.0	27.2

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
8276F	X = 971181 Y = 1433110 Z = -123322	19 27 19	LAT. = - 4 4 28.6 LONG. = 55 52 31.9 RAD. = 1735570.3	2.3 2.6 25.0
82766	X = 971160 Y = 1433088 Z = -123325	16 16 11	LAT. = - 4 4 29.3 LONG. = 55 52 32.5 RAD. = 1735540.5	1.3 1.9 16.7
92280	X = 980655 Y = 1424227 Z = -148417	16 16 11	LAT. = - 4 54 20.4 LONG. = 55 27 2.0 RAD. = 1735549.7	1.3 1.9 16.6
92250	X = 966157 Y = 1425700 Z = -213709	18 20 12	LAT. = - 7 4 24.9 LONG. = 55 52 32.2 RAD. = 1735440.0	1.4 2.0 21.7
92251	X = 975735 Y = 1416140 Z = -230885	17 20 12	LAT. = - 7 38 47.6 LONG. = 55 25 57.9 RAD. = 1735171.8	1.5 2.0 20.9
N3815	X = 965439 Y = 1441612 Z = -3643	23 32 24	LAT. = - 0 7 13.1 LONG. = 56 11 24.0 RAD. = 1735030.7	2.9 2.6 32.6
82783	X = 966447 Y = 1440198 Z = -36441	21 24 13	LAT. = - 1 12 13.1 LONG. = 56 8 10.8 RAD. = 1734796.1	1.6 2.0 27.3
N3835	X = 953419 Y = 1448309 Z = -68600	20 23 16	LAT. = - 2 15 56.1 LONG. = 56 38 35.5 RAD. = 1735313.5	1.9 2.3 23.8
K4475	X = 965386 Y = 1439542 Z = -79643	28 38 37	LAT. = - 2 37 51.1 LONG. = 56 9 12.2 RAD. = 1735106.8	4.2 3.1 41.2
N3887	X = 963729 Y = 1440520 Z = -82637	29 37 22	LAT. = - 2 43 47.2 LONG. = 56 13 .8 RAD. = 1735136.9	2.6 3.0 39.6
N3999	X = 957277 Y = 1444611 Z = -87847	22 21 22	LAT. = - 2 54 6.7 LONG. = 56 28 9.8 RAD. = 1735222.6	2.6 3.0 17.8
D276D	X = 962039 Y = 1441463 Z = -89879	20 41 17	LAT. = - 2 58 7.9 LONG. = 56 16 50.4 RAD. = 1735342.6	1.9 2.7 40.4

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TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82764	X = 962522	19	LAT. = - 3 1 33.5	1.6
	Y = 1441057	24	LONG. = 56 15 35.8	2.1
	Z = -91608	14	RAD. = 1735363.6	24.7
E2760	X = 965452	23	LAT. = - 3 13 51.4	2.2
	Y = 1438684	19	LONG. = 56 8 8.9	2.3
	Z = -97806	19	RAD. = 1735360.4	23.7
R3463	X = 962297	27	LAT. = - 3 56 34.2	2.9
	Y = 1438971	31	LONG. = 56 13 40.0	2.7
	Z = -119314	23	RAD. = 1735191.4	33.6
G5015	X = 960098	20	LAT. = - 4 19 4.2	1.9
	Y = 1439555	25	LONG. = 56 17 56.6	2.4
	Z = -130647	16	RAD. = 1735273.8	24.9
K4477	X = 953768	30	LAT. = - 4 49 11.7	2.7
	Y = 1442282	37	LONG. = 56 31 25.3	3.0
	Z = -145803	23	RAD. = 1735254.8	41.0
N3889	X = 956136	31	LAT. = - 4 52 37.2	3.5
	Y = 1440309	37	LONG. = 56 25 19.8	3.0
	Z = -147510	27	RAD. = 1735063.4	39.6
K4499	X = 950349	23	LAT. = - 5 15 46.0	2.4
	Y = 1443063	20	LONG. = 56 57 57.2	2.7
	Z = -159159	20	RAD. = 1735202.2	19.8
92258	X = 956453	16	LAT. = - 5 29 17.6	1.4
	Y = 1436655	18	LONG. = 56 20 46.7	1.9
	Z = -165829	11	RAD. = 1733862.7	18.4
N3865	X = 950491	38	LAT. = - 5 43 23.8	2.9
	Y = 1439869	32	LONG. = 56 34 12.9	3.1
	Z = -172915	23	RAD. = 1733942.4	40.8
G5035	X = 950657	28	LAT. = - 6 12 31.3	2.2
	Y = 1437945	30	LONG. = 56 31 49.6	2.6
	Z = -187527	18	RAD. = 1733955.0	34.2
G5199	X = 947565	22	LAT. = - 6 35 32.5	2.2
	Y = 1440320	21	LONG. = 56 39 34.9	2.6
	Z = -199248	18	RAD. = 1735540.4	21.2
92227	X = 948454	17	LAT. = - 7 21 8.8	1.4
	Y = 1436336	19	LONG. = 56 33 43.4	1.9
	Z = -222096	12	RAD. = 1735497.9	19.8

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

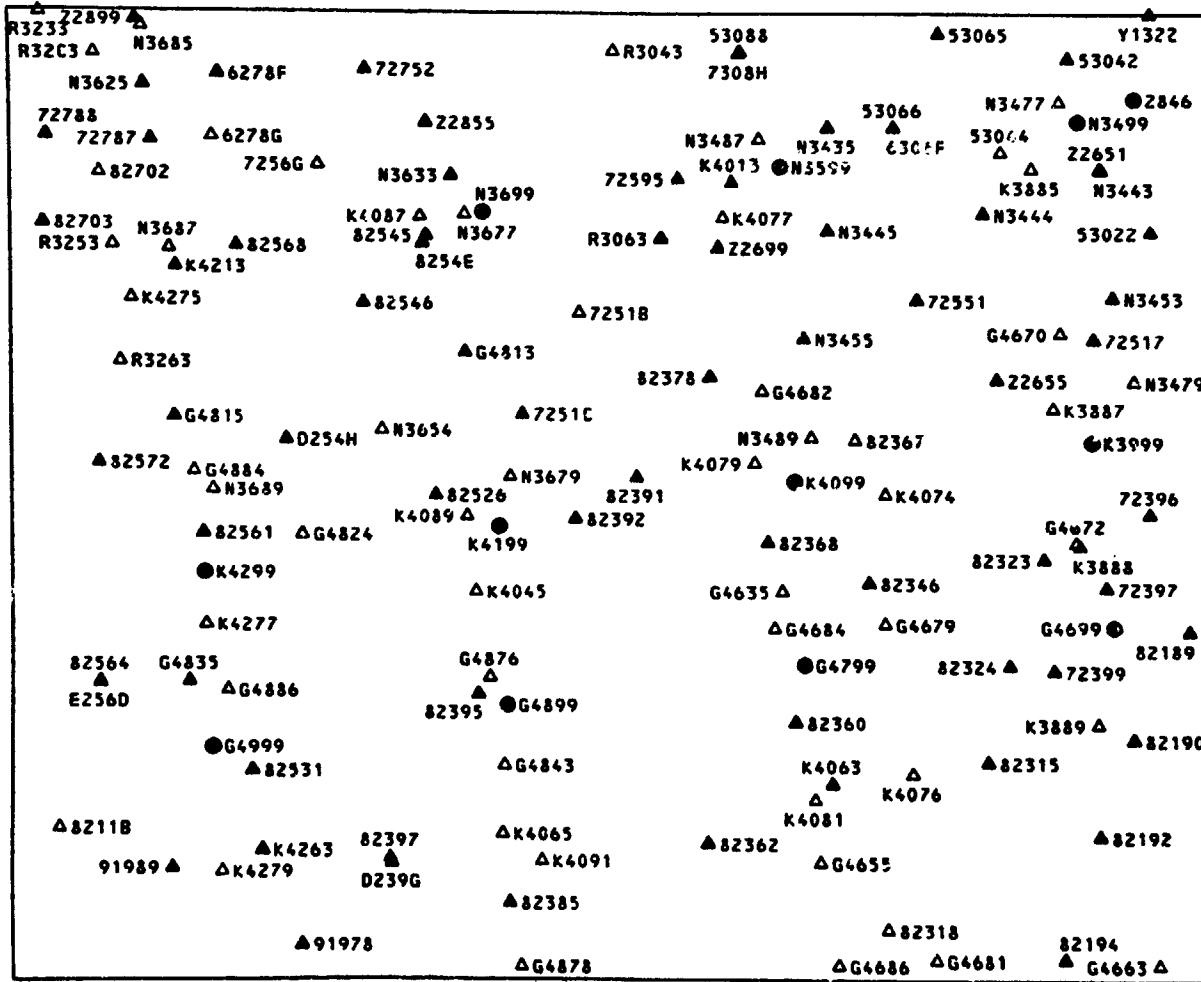
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K4479	X = 939674	33	LAT. = - 7 36 39.2	3.8
	Y = 1440600	38	LONG. = 56 53 3.8	3.1
	Z = -229826	29	RAD. = 1735262.4	41.0
82769	X = 934545	25	LAT. = - 0 3 12.1	2.1
	Y = 1461937	24	LONG. = 57 24 40.4	2.1
	Z = -1616	18	RAD. = 1735118.4	29.6
82760	X = 939182	17	LAT. = - 1 26 31.2	1.5
	Y = 1458534	21	LONG. = 57 13 17.8	2.0
	Z = -43669	13	RAD. = 1735307.5	21.5
E273B	X = 925263	37	LAT. = - 4 10 41.6	3.1
	Y = 1462650	26	LONG. = 57 40 58.1	3.0
	Z = -126436	28	RAD. = 1735350.9	38.7
9273C	X = 935545	28	LAT. = - 4 47 44.8	4.0
	Y = 1454578	31	LONG. = 57 15 7.1	2.3
	Z = -145099	36	RAD. = 1735539.1	39.2
82733	X = 935535	16	LAT. = - 4 47 46.7	1.4
	Y = 1454583	17	LONG. = 57 15 8.4	1.9
	Z = -145115	11	RAD. = 1735539.1	17.7
G5034	X = 929584	29	LAT. = - 6 29 55.1	2.5
	Y = 1452238	46	LONG. = 57 22 35.4	2.8
	Z = -196414	20	RAD. = 1735425.1	48.7
92226	X = 934574	16	LAT. = - 6 31 42.0	1.4
	Y = 1448979	18	LONG. = 57 10 42.5	1.9
	Z = -197315	12	RAD. = 1735482.5	17.6
82746	X = 912015	24	LAT. = - 0 42 33.6	2.2
	Y = 1476256	20	LONG. = 58 17 33.7	2.3
	Z = -21484	18	RAD. = 1735385.5	24.7
R3245	X = 907777	22	LAT. = - 1 27 46.8	2.0
	Y = 1477864	26	LONG. = 58 26 23.0	2.4
	Z = -44296	17	RAD. = 1734965.1	27.8
N3876	X = 897391	29	LAT. = - 1 50 39.3	2.7
	Y = 1483970	37	LONG. = 58 50 15.6	3.0
	Z = -55840	23	RAD. = 1735106.7	39.6
82728	X = 913656	18	LAT. = - 2 5 42.1	1.5
	Y = 1473637	22	LONG. = 58 12 3.8	1.9
	Z = -63429	13	RAD. = 1735049.1	23.5

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82782	X = 913637 Y = 1473844 Z = -63525	50 62 69	LAT. = - 2 5 52.9 LONG. = 58 12 18.7 RAD. = 1735218.5	7.9 3.5 76.1
N3877	X = 896272 Y = 1484130 Z = -67915	29 36 22	LAT. = - 2 14 35.6 LONG. = 58 52 19.4 RAD. = 1735096.1	2.6 3.0 39.6
N3899	X = 893887 Y = 1485181 Z = -75489	20 20 18	LAT. = - 2 29 36.9 LONG. = 58 57 27.0 RAD. = 1735078.4	2.2 2.5 18.3
K4285	X = 896668 Y = 1483339 Z = -81041	59 57 59	LAT. = - 2 40 36.9 LONG. = 58 50 50.3 RAD. = 1735187.4	6.6 4.1 76.6
R3265	X = 901199 Y = 1478821 Z = -104653	23 26 19	LAT. = - 3 27 29.5 LONG. = 58 38 30.2 RAD. = 1734942.1	2.4 2.4 27.7
G5013	X = 897247 Y = 1480556 Z = -115168	22 25 19	LAT. = - 3 48 21.4 LONG. = 58 46 59.8 RAD. = 1735039.9	2.2 2.4 26.5
82709	X = 898991 Y = 1477979 Z = -134561	21 27 18	LAT. = - 4 26 52.0 LONG. = 58 41 22.7 RAD. = 1735140.8	2.0 2.4 27.7
D270J	X = 899060 Y = 1477974 Z = -134636	34 32 16	LAT. = - 4 27 .6 LONG. = 58 41 15.4 RAD. = 1735178.6	2.1 2.5 40.8
E270J	X = 898889 Y = 1477841 Z = -136064	24 19 19	LAT. = - 4 29 51.7 LONG. = 58 41 24.6 RAD. = 1735087.6	2.2 2.3 24.1
E233D	X = 901260 Y = 1476320 Z = -136994	23 19 19	LAT. = - 4 31 42.6 LONG. = 58 35 48.8 RAD. = 1735096.2	2.2 2.3 24.0
82711	X = 914442 Y = 1465808 Z = -168373	18 28 19	LAT. = - 5 33 58.8 LONG. = 58 2 31.5 RAD. = 1735841.3	2.4 2.5 24.4
92147	X = 893902 Y = 1473204 Z = -208805	18 21 13	LAT. = - 6 54 32.5 LONG. = 58 45 6.1 RAD. = 1735796.5	1.5 2.0 21.5

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82714	X = 886424 Y = 1490885 Z = -55167	37 29 24	LAT. = - 1 49 18.2 LONG. = 59 15 57.2 RAD. = 1735375.8	2.7 2.9 40.4
N3843	X = 889195 Y = 1486905 Z = -93336	22 24 17	LAT. = - 3 5 1.5 LONG. = 59 7 11.4 RAD. = 1735011.4	2.0 2.4 25.8
82707	X = 878548 Y = 1492560 Z = -105717	16 18 11	LAT. = - 3 29 34.8 LONG. = 59 31 5.4 RAD. = 1735153.1	1.3 1.8 18.4
N3879	X = 889089 Y = 1482972 Z = -143026	31 37 29	LAT. = - 4 43 43.2 LONG. = 59 3 21.5 RAD. = 1734975.6	3.7 3.0 39.7
K4287	X = 889224 Y = 1482787 Z = -145353	62 56 29	LAT. = - 4 48 19.8 LONG. = 59 2 56.3 RAD. = 1735080.7	3.2 4.3 76.5
K4399	X = 887015 Y = 1483743 Z = -150138	32 38 28	LAT. = - 4 57 49.7 LONG. = 59 7 41.0 RAD. = 1735175.0	3.3 3.6 40.1
R4399	X = 887114 Y = 1483586 Z = -150142	31 37 31	LAT. = - 4 57 51.0 LONG. = 59 7 21.3 RAD. = 1735091.0	3.9 3.0 39.7
92145	X = 877023 Y = 1486662 Z = -178464	15 16 11	LAT. = - 5 54 10.8 LONG. = 59 27 44.9 RAD. = 1735276.4	1.3 1.8 16.2
G5099	X = 883553 Y = 1481346 Z = -191508	22 20 18	LAT. = - 6 20 8.2 LONG. = 59 11 9.3 RAD. = 1735433.1	2.2 2.6 19.5
K4289	X = 878245 Y = 1482472 Z = -218009	68 56 41	LAT. = - 7 12 39.1 LONG. = 59 21 24.1 RAD. = 1736826.0	5.8 4.8 74.5
92125	X = 870296 Y = 1485312 Z = -223987	27 31 25	LAT. = - 7 24 47.5 LONG. = 59 37 57.0 RAD. = 1736011.9	2.6 2.3 38.8
92126	X = 875440 Y = 1480176 Z = -235340	16 18 12	LAT. = - 7 47 33.2 LONG. = 59 23 53.1 RAD. = 1735713.4	1.4 1.9 18.1



○ RANGE
 OBSERVATION ▲ ● < 30M
 ▲ ● < 100M
 ▼ ● > 100M

MAP SHEET 80B

TERRAIN POINTS ON MAP SHEET 80B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R3233	X = 861087 Y = 1506959 Z = -576	24 31 20	LAT. = - 0 1 8.5 LONG. = 60 15 21.7 RAD. = 1735625.3	2.4 2.5 33.0
R32C3	X = 849526 Y = 1513919 Z = -10670	61 54 26	LAT. = - 0 21 7.7 LONG. = 60 42 4.7 RAD. = 1736018.5	3.1 4.3 12.8
72788	X = 859929 Y = 1507530 Z = -31062	18 26 17	LAT. = - 1 1 31.2 LONG. = 60 17 54.9 RAD. = 1735825.2	2.0 2.1 25.9
82702	X = 848060 Y = 1513821 Z = -40389	41 29 20	LAT. = - 1 20 .3 LONG. = 60 44 31.0 RAD. = 1735652.6	2.3 3.3 41.8
82703	X = 860274 Y = 1506350 Z = -52939	19 18 14	LAT. = - 1 44 52.8 LONG. = 60 16 9.7 RAD. = 1735501.0	1.6 2.0 20.6
R3253	X = 844864 Y = 1515003 Z = -58275	51 40 23	LAT. = - 1 53 26.7 LONG. = 60 51 11.2 RAD. = 1735633.8	2.8 3.9 55.5
R3263	X = 842708 Y = 1514604 Z = -87446	52 41 30	LAT. = - 2 53 17.6 LONG. = 60 54 32.2 RAD. = 1735462.2	3.8 4.0 55.3
82572	X = 846739 Y = 1510407 Z = -112800	17 20 12	LAT. = - 3 43 37.9 LONG. = 60 43 29.6 RAD. = 1735229.3	1.4 1.8 21.1
82564	X = 844679 Y = 1507175 Z = -167711	15 16 11	LAT. = - 5 32 39.6 LONG. = 60 43 55.4 RAD. = 1735853.6	1.3 1.8 16.2
E2560	X = 844820 Y = 1507349 Z = -167870	42 24 28	LAT. = - 5 32 55.9 LONG. = 60 43 50.9 RAD. = 1736088.5	3.0 3.7 39.8
8211B	X = 852279 Y = 1499739 Z = -204078	23 41 30	LAT. = - 6 44 49.6 LONG. = 60 23 27.9 RAD. = 1737021.2	4.0 2.3 39.4
Z2899	X = 840247 Y = 1518863 Z = -2283	14 20 15	LAT. = - 0 4 31.3 LONG. = 61 2 53.8 RAD. = 1735789.2	1.7 1.9 18.8

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N3685	X = 838819	26	LAT. = - 0 7 39.8	3.4
	Y = 1519503	38	LONG. = 61 5 59.1	3.0
	Z = -3869	29	RAD. = 1735661.3	39.0
6278F	X = 822001	16	LAT. = - 0 30 58.6	1.9
	Y = 1528469	24	LONG. = 61 43 44.1	2.1
	Z = -15639	16	RAD. = 1735554.3	23.2
N3625	X = 838440	22	LAT. = - 0 36 26.6	2.0
	Y = 1519466	27	LONG. = 61 6 36.5	2.4
	Z = -18398	17	RAD. = 1735539.2	28.0
6278G	X = 823366	23	LAT. = - 1 1 58.9	3.9
	Y = 1527903	36	LONG. = 61 40 49.4	2.1
	Z = -31296	32	RAD. = 1735914.3	38.0
72787	X = 836737	14	LAT. = - 1 3 35.0	1.4
	Y = 1520179	17	LONG. = 61 10 14.7	1.7
	Z = -32098	12	RAD. = 1735541.3	16.2
82568	X = 817678	15	LAT. = - 1 55 43.4	1.5
	Y = 1530165	19	LONG. = 61 52 52.3	1.9
	Z = -58425	12	RAD. = 1735919.1	18.2
N3687	X = 832418	27	LAT. = - 1 57 1.0	2.5
	Y = 1521692	37	LONG. = 61 19 11.3	2.9
	Z = -59063	21	RAD. = 1735497.9	39.1
K4213	X = 830911	22	LAT. = - 2 6 12.5	2.4
	Y = 1522231	26	LONG. = 61 22 19.4	2.5
	Z = -63697	20	RAD. = 1735413.0	27.2
K4275	X = 840580	30	LAT. = - 2 22 7.5	4.1
	Y = 1516707	40	LONG. = 61 0 15.0	3.6
	Z = -71731	36	RAD. = 1735546.5	41.0
G4815	X = 830512	20	LAT. = - 3 20 31.6	2.1
	Y = 1520271	26	LONG. = 61 21 9.2	2.4
	Z = -101163	19	RAD. = 1735283.1	25.4
G4884	X = 825570	29	LAT. = - 3 47 38.4	6.0
	Y = 1521839	79	LONG. = 61 31 15.5	4.7
	Z = -114814	54	RAD. = 1735149.1	77.4
N3689	X = 821338	29	LAT. = - 3 56 48.4	3.4
	Y = 1523900	37	LONG. = 61 40 35.8	2.9
	Z = -119438	27	RAD. = 1735261.8	39.2

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82561	X = 823213 Y = 1522204 Z = -130397	16 18 12	LAT. = - 4 18 32.8 LONG. = 61 35 43.1 RAD. = 1735450.4	1.4 1.8 18.9
K4299	X = 822767 Y = 1522041 Z = -140236	19 20 17	LAT. = - 4 38 1.8 LONG. = 61 36 20.7 RAD. = 1735863.1	2.0 2.4 19.2
K4277	X = 821803 Y = 1521149 Z = -153255	32 39 26	LAT. = - 5 3 55.8 LONG. = 61 37 11.3 RAD. = 1735724.8	3.1 3.5 40.9
G4835	X = 824866 Y = 1517830 Z = -167452	22 28 17	LAT. = - 5 32 11.7 LONG. = 61 28 41.2 RAD. = 1735584.2	2.0 2.4 29.7
G4886	X = 816317 Y = 1522338 Z = -169724	31 78 29	LAT. = - 5 36 41.6 LONG. = 61 47 55.1 RAD. = 1735711.1	3.2 4.3 76.9
G4999	X = 819361 Y = 1519813 Z = -183903	21 20 18	LAT. = - 6 4 46.9 LONG. = 61 40 12.1 RAD. = 1736376.6	2.1 2.5 19.0
91989	X = 825993 Y = 1510457 Z = -213724	15 16 11	LAT. = - 7 4 36.6 LONG. = 61 19 40.7 RAD. = 1734768.3	1.3 1.0 16.3
K4279	X = 815113 Y = 1516559 Z = -214717	34 41 33	LAT. = - 7 6 31.2 LONG. = 61 44 35.1 RAD. = 1735069.2	4.3 3.5 41.2
72752	X = 789550 Y = 1546608 Z = -14431	16 24 13	LAT. = - 0 28 34.1 LONG. = 62 57 19.8 RAD. = 1736546.7	1.6 1.9 24.5
7256G	X = 799820 Y = 1540416 Z = -38199	17 44 17	LAT. = - 1 15 38.8 LONG. = 62 33 38.2 RAD. = 1736103.0	2.1 3.1 38.7
82546	X = 789523 Y = 1545453 Z = -72757	16 17 13	LAT. = - 2 24 2.4 LONG. = 62 56 20.2 RAD. = 1736969.7	1.5 1.8 18.1
0254H	X = 805315 Y = 1533420 Z = -106963	22 20 17	LAT. = - 3 32 2.0 LONG. = 62 17 33.5 RAD. = 1735324.1	2.0 2.2 24.3

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G4824	X = 800947 Y = 1533719 Z = -130704	21 33 18	LAT. = - 4 19 11.7 LONG. = 62 25 31.0 RAD. = 1735193.3	2.1 2.5 33.5
82531	X = 810112 Y = 1523653 Z = -189772	15 17 11	LAT. = - 6 16 32.7 LONG. = 62 0 3.0 RAD. = 1736033.9	1.3 1.8 17.3
K4263	X = 807319 Y = 1523414 Z = -209753	24 28 18	LAT. = - 6 56 11.2 LONG. = 62 4 44.7 RAD. = 1736821.7	2.4 2.4 29.3
91978	X = 796174 Y = 1523617 Z = -233073	14 16 11	LAT. = - 7 43 15.6 LONG. = 62 24 37.6 RAD. = 1734826.8	1.3 1.8 16.0
Z2855	X = 775335 Y = 1552430 Z = -27589	14 20 14	LAT. = - 0 54 39.2 LONG. = 63 27 39.4 RAD. = 1735495.7	1.6 1.8 18.5
N3633	X = 769385 Y = 1555088 Z = -40805	18 23 15	LAT. = - 1 20 50.1 LONG. = 63 40 33.4 RAD. = 1735487.6	1.8 2.2 22.7
N3699	X = 762215 Y = 1558449 Z = -49877	18 18 16	LAT. = - 1 38 48.5 LONG. = 63 56 14.6 RAD. = 1735575.9	1.9 2.3 17.1
N3677	X = 766228 Y = 1556457 Z = -50511	26 38 21	LAT. = - 1 40 3.9 LONG. = 63 47 22.0 RAD. = 1735573.7	2.5 2.9 39.0
K4087	X = 776651 Y = 1551895 Z = -51072	26 84 57	LAT. = - 1 41 8.6 LONG. = 63 24 51.0 RAD. = 1736137.6	6.5 5.6 75.5
82545	X = 775399 Y = 1552655 Z = -55874	22 25 18	LAT. = - 1 50 38.3 LONG. = 63 27 44.5 RAD. = 1736405.4	2.1 2.5 25.6
8254E	X = 776330 Y = 1552598 Z = -57794	22 20 19	LAT. = - 1 54 24.8 LONG. = 63 26 2.5 RAD. = 1736833.2	2.2 2.2 24.3
G4813	X = 765618 Y = 1555463 Z = -85021	23 27 22	LAT. = - 2 48 27.3 LONG. = 63 47 34.9 RAD. = 1735760.4	2.5 2.5 29.2

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N3654	X = 783882	28	LAT. = - 3 27 15.1	2.7
	Y = 1544779	39	LONG. = 63 5 41.9	2.9
	Z = -104561	23	RAD. = 1735438.3	41.7
82526	X = 771572	21	LAT. = - 3 59 33.1	1.8
	Y = 1550671	23	LONG. = 63 32 46.7	2.0
	Z = -120888	16	RAD. = 1736236.8	27.1
K4089	X = 764226	27	LAT. = - 4 9 57.0	3.1
	Y = 1553888	81	LONG. = 63 48 40.8	4.8
	Z = -126126	26	RAD. = 1736236.6	75.1
K4045	X = 761302	24	LAT. = - 4 47 29.5	2.1
	Y = 1553030	31	LONG. = 63 53 8.6	2.5
	Z = -144980	18	RAD. = 1735656.5	33.5
82395	X = 759696	16	LAT. = - 5 38 30.0	1.3
	Y = 1551039	18	LONG. = 63 54 16.1	1.8
	Z = -170611	12	RAD. = 1735502.2	19.0
82397	X = 778277	15	LAT. = - 7 0 5.8	1.3
	Y = 1537656	16	LONG. = 63 9 14.3	1.8
	Z = -211655	11	RAD. = 1736346.1	16.1
D239G	X = 777843	18	LAT. = - 7 2 24.6	1.6
	Y = 1537707	23	LONG. = 63 10 3.3	2.0
	Z = -212815	13	RAD. = 1736338.9	24.1
7251B	X = 740191	17	LAT. = - 2 29 3.1	2.1
	Y = 1569353	43	LONG. = 64 44 56.1	3.1
	Z = -75279	17	RAD. = 1736783.4	38.2
7251C	X = 752436	17	LAT. = - 3 19 14.1	2.3
	Y = 1561720	25	LONG. = 64 16 30.9	2.3
	Z = -100579	19	RAD. = 1736446.1	23.4
N3679	X = 754904	28	LAT. = - 3 50 15.4	3.5
	Y = 1559650	37	LONG. = 64 10 19.3	2.8
	Z = -116231	28	RAD. = 1736633.8	38.4
82392	X = 739627	17	LAT. = - 4 11 23.7	1.6
	Y = 1566183	17	LONG. = 64 43 15.3	1.9
	Z = -126887	14	RAD. = 1736686.2	19.1
K4199	X = 756934	18	LAT. = - 4 15 1.8	1.9
	Y = 1557344	17	LONG. = 64 4 42.0	2.2
	Z = -128692	16	RAD. = 1736326.9	16.7

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G4876	X = 757130	28	LAT. = - 5 30 3.3	2.7
	Y = 1552537	40	LONG. = 64 0 10.0	3.0
	Z = -166349	23	RAD. = 1735306.9	42.4
G4899	X = 752927	20	LAT. = - 5 44 2.6	2.0
	Y = 1553820	20	LONG. = 64 8 48.5	2.4
	Z = -173377	17	RAD. = 1735314.5	19.2
G4843	X = 753018	23	LAT. = - 6 13 56.1	2.3
	Y = 1552176	30	LONG. = 64 7 13.0	2.5
	Z = -188399	19	RAD. = 1735448.2	30.3
K4065	X = 752963	23	LAT. = - 6 47 54.3	2.7
	Y = 1550841	30	LONG. = 64 6 9.1	2.5
	Z = -205522	21	RAD. = 1736174.1	29.9
K4091	X = 743713	32	LAT. = - 7 1 15.7	7.6
	Y = 1554842	81	LONG. = 64 26 14.1	3.9
	Z = -212268	55	RAD. = 1736576.9	74.2
82385	X = 750315	15	LAT. = - 7 22 3.4	1.4
	Y = 1549655	18	LONG. = 64 9 52.5	1.8
	Z = -222626	12	RAD. = 1736077.2	18.3
G4878	X = 746625	30	LAT. = - 7 53 36.1	3.7
	Y = 1548732	41	LONG. = 64 15 42.7	3.0
	Z = -238371	28	RAD. = 1735753.9	42.1
R3043	X = 732747	21	LAT. = - 0 18 50.0	2.0
	Y = 1573510	31	LONG. = 65 1 46.9	2.4
	Z = -9510	17	RAD. = 1735783.3	31.5
72595	X = 717999	13	LAT. = - 1 22 30.3	1.3
	Y = 1580896	20	LONG. = 65 34 25.6	1.7
	Z = -41679	11	RAD. = 1736804.5	19.3
K4077	X = 707361	25	LAT. = - 1 41 47.1	3.7
	Y = 1584911	40	LONG. = 65 56 54.0	3.0
	Z = -51403	32	RAD. = 1736359.3	40.1
R3063	X = 721172	19	LAT. = - 1 52 3.7	1.9
	Y = 1577780	23	LONG. = 65 26 8.8	2.1
	Z = -56570	16	RAD. = 1735706.8	23.9
Z2699	X = 708822	13	LAT. = - 1 56 42.2	1.6
	Y = 1585165	19	LONG. = 65 54 27.8	1.7
	Z = -58971	13	RAD. = 1737428.0	17.7

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82378	X = 709494 Y = 1582006 Z = -91356	19 20 15	LAT. = - 3 0 58.2 LONG. = 65 50 41.4 RAD. = 1736223.3	1.8 2.2 20.6
82391	X = 725963 Y = 1573672 Z = -116502	21 21 18	LAT. = - 3 50 45.1 LONG. = 65 14 7.0 RAD. = 1736961.9	2.1 2.2 23.8
82362	X = 705397 Y = 1572353 Z = -207877	15 18 11	LAT. = - 6 52 41.0 LONG. = 65 50 16.1 RAD. = 1735826.0	1.3 1.7 18.7
53088	X = 703462 Y = 1586872 Z = -9783	14 22 13	LAT. = - 0 19 22.5 LONG. = 66 5 32.1 RAD. = 1735833.2	1.6 1.9 20.9
7308H	X = 703727 Y = 1586702 Z = -10105	18 22 13	LAT. = - 0 20 .8 LONG. = 66 4 55.1 RAD. = 1735786.8	1.5 1.9 23.3
N3435	X = 683044 Y = 1595381 Z = -28719	21 29 17	LAT. = - 0 56 53.1 LONG. = 66 49 20.5 RAD. = 1735688.6	2.0 2.3 30.0
N3487	X = 699369 Y = 1589268 Z = -31767	25 36 21	LAT. = - 1 2 53.2 LONG. = 66 14 52.0 RAD. = 1736 4.6	2.5 2.8 37.5
N3599	X = 694262 Y = 1591237 Z = -38503	18 17 16	LAT. = - 1 16 13.8 LONG. = 66 25 41.5 RAD. = 1736524 2	1.9 2.2 16.5
K4013	X = 705960 Y = 1587370 Z = -42516	17 23 15	LAT. = - 1 24 6.9 LONG. = 66 1 24.9 RAD. = 1737795.1	1.8 2.1 22.6
N3445	X = 683363 Y = 1596273 Z = -54665	20 24 17	LAT. = - 1 48 11.5 LONG. = 66 49 27.4 RAD. = 1737256.9	2.0 2.2 25.3
N3455	X = 688016 Y = 1591893 Z = -81725	18 30 17	LAT. = - 2 41 53.0 LONG. = 66 37 33.6 RAD. = 1736135.8	2.0 2.4 28.6
G4682	X = 696722 Y = 1585657 Z = -94775	27 41 34	LAT. = - 3 7 55.7 LONG. = 66 16 47.3 RAD. = 1734563.7	3.9 3.0 42.7

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N3489	X = 685084	28	LAT. = - 3 30 57.3	3.6
	Y = 1590313	37	LONG. = 66 41 39.6	2.8
	Z = -106392	29	RAD. = 1734864.1	38.4
K4079	X = 698196	26	LAT. = - 3 43 49.6	2.6
	Y = 1584749	40	LONG. = 66 13 22.9	2.9
	Z = -112911	22	RAD. = 1735412.4	40.6
K4099	X = 688493	17	LAT. = - 3 52 39.5	1.8
	Y = 1587714	16	LONG. = 66 33 23.8	2.1
	Z = -117300	15	RAD. = 1734536.4	16.1
82368	X = 694242	14	LAT. = - 4 23 3.3	1.4
	Y = 1584131	17	LONG. = 66 20 4.9	1.7
	Z = -132605	12	RAD. = 1734654.8	16.6
G4635	X = 690356	27	LAT. = - 4 47 33.5	2.4
	Y = 1584645	32	LONG. = 66 27 34.2	2.7
	Z = -144922	20	RAD. = 1734558.8	35.9
G4684	X = 691851	27	LAT. = - 5 5 49.4	2.7
	Y = 1583244	41	LONG. = 66 23 43.7	3.0
	Z = -154113	23	RAD. = 1734667.1	42.5
G4799	X = 684748	22	LAT. = - 5 23 53.4	2.3
	Y = 1585898	20	LONG. = 66 38 47.8	2.6
	Z = -163233	20	RAD. = 1735107.2	19.9
82360	X = 686584	15	LAT. = - 5 52 28.4	1.6
	Y = 1584459	19	LONG. = 66 34 18.4	1.7
	Z = -177674	14	RAD. = 1735936.3	20.3
K4063	X = 677495	22	LAT. = - 6 23 1.1	2.4
	Y = 1586927	28	LONG. = 66 52 52.5	2.3
	Z = -193046	19	RAD. = 1736261.0	28.9
K4081	X = 681299	29	LAT. = - 6 30 55.9	4.1
	Y = 1584825	40	LONG. = 66 44 15.5	2.9
	Z = -197020	31	RAD. = 1736276.4	40.1
G4655	X = 678820	29	LAT. = - 7 1 58.0	5.2
	Y = 1582503	83	LONG. = 66 46 58.5	4.3
	Z = -212429	37	RAD. = 1735003.9	76.7
G4686	X = 673195	30	LAT. = - 7 52 53.2	4.0
	Y = 1581274	42	LONG. = 66 56 20.8	3.0
	Z = -237910	30	RAD. = 1734998.8	42.3

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
53065	X = 657463 Y = 1606709 Z = -5041	17 30 16	LAT. = - 0 9 58.9 LONG. = 67 44 44.5 RAD. = 1736029.2	1.9 2.3 28.7
53066	X = 667784 Y = 1601966 Z = -28699	12 18 11	LAT. = - 0 56 50.4 LONG. = 67 22 15.8 RAD. = 1735815.1	1.3 1.6 17.3
6306F	X = 667681 Y = 1602024 Z = -28770	16 23 13	LAT. = - 0 56 58.8 LONG. = 67 22 29.7 RAD. = 1735830.6	1.5 1.8 23.9
72551	X = 661012 Y = 1601720 Z = -71943	16 23 13	LAT. = - 2 22 39.1 LONG. = 67 34 28.6 RAD. = 1734249.5	1.5 1.9 23.2
82367	X = 674847 Y = 1594497 Z = -107053	16 34 19	LAT. = - 3 32 16.9 LONG. = 67 3 36.8 RAD. = 1734733.8	2.4 2.3 31.2
K4074	X = 667486 Y = 1596969 Z = -120699	33 75 26	LAT. = - 3 59 20.4 LONG. = 67 18 59.5 RAD. = 1735055.3	3.1 3.5 75.7
82346	X = 670304 Y = 1593468 Z = -142802	15 19 13	LAT. = - 4 43 20.1 LONG. = 67 11 8.0 RAD. = 1734600.7	1.5 1.8 18.9
G4679	X = 666371 Y = 1594667 Z = -153054	32 75 28	LAT. = - 5 3 38.8 LONG. = 67 19 16.2 RAD. = 1735061.6	3.2 3.7 76.2
K4076	X = 658616 Y = 1594783 Z = -190567	36 76 50	LAT. = - 6 18 9.2 LONG. = 67 33 37.0 RAD. = 1735921.6	6.8 3.4 74.7
82318	X = 662482 Y = 1588020 Z = -229189	23 36 16	LAT. = - 7 35 13.2 LONG. = 67 21 19.2 RAD. = 1735862.0	1.8 2.1 39.5
G4681	X = 650958 Y = 1592334 Z = -236725	38 76 47	LAT. = - 7 50 7.0 LONG. = 67 45 53.6 RAD. = 1736466.0	6.7 3.4 74.3
53042	X = 627324 Y = 1619846 Z = -11288	15 25 14	LAT. = - 0 22 20.4 LONG. = 68 49 47.7 RAD. = 1737113.7	1.6 1.8 24.8

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

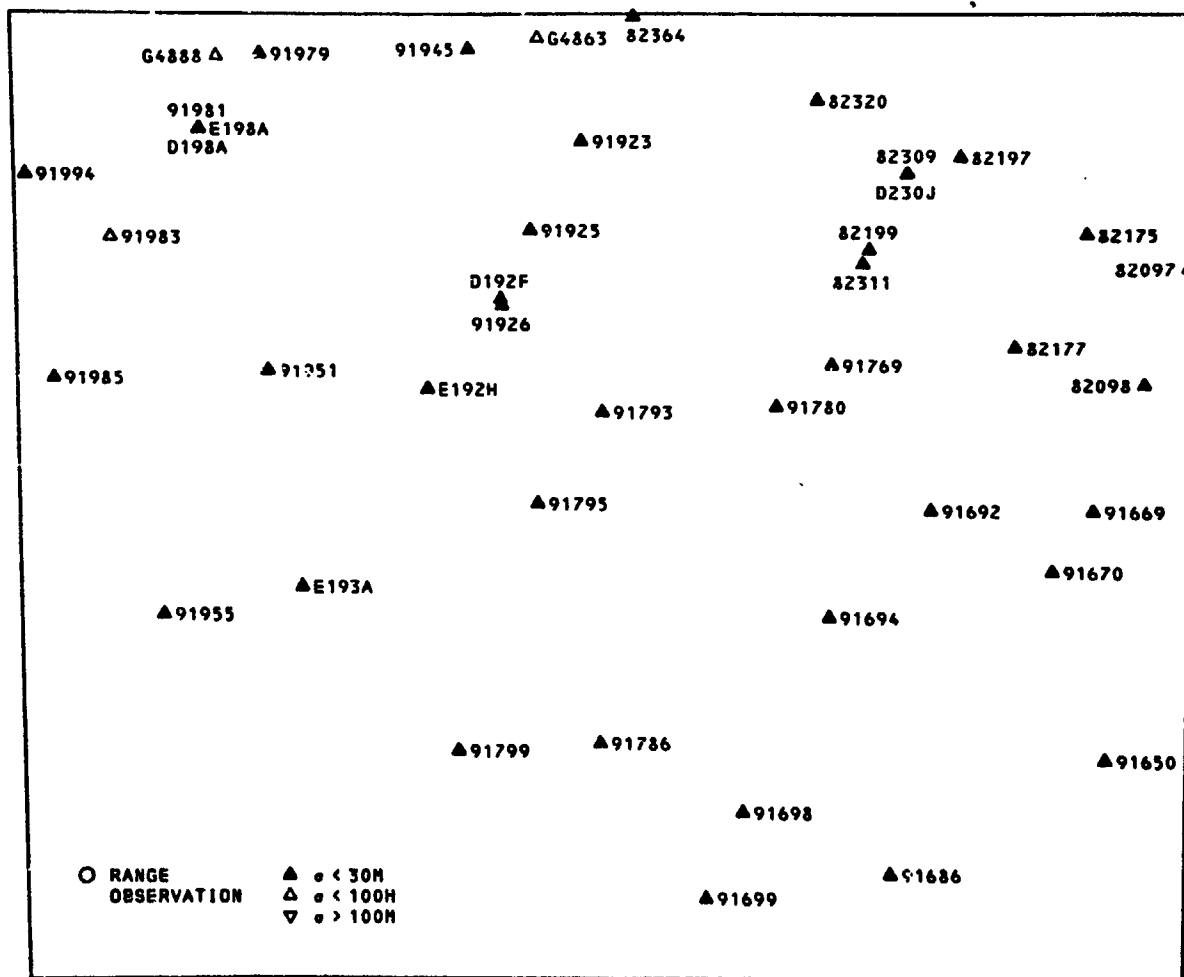
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N3477	X = 629295 Y = 1618921 Z = -22227	24 36 21	LAT. = - 0 43 59.3 LONG. = 68 45 29.8 RAD. = 1737070.2	2.5 2.7 37.4
N3499	X = 624870 Y = 1620621 Z = -27048	19 18 18	LAT. = - 0 53 31.8 LONG. = 68 54 52.7 RAD. = 1737126.2	2.2 2.4 17.3
53044	X = 642782 Y = 1613242 Z = -34867	18 40 21	LAT. = - 1 9 .8 LONG. = 68 16 32.3 RAD. = 1736932.3	2.6 3.1 35.6
K3885	X = 635743 Y = 1616380 Z = -39043	24 39 32	LAT. = - 1 17 15.8 LONG. = 68 31 46.7 RAD. = 1737348.1	3.7 2.9 39.8
N3444	X = 645644 Y = 1608297 Z = -50223	19 22 16	LAT. = - 1 39 35.8 LONG. = 68 7 38.0 RAD. = 1733781.7	1.9 2.1 23.6
G4670	X = 628206 Y = 1617665 Z = -80314	48 62 60	LAT. = - 2 38 59.3 LONG. = 68 46 36.3 RAD. = 1737220.1	6.8 3.8 73.9
Z2655	X = 642685 Y = 1610986 Z = -91915	13 19 13	LAT. = - 3 2 .5 LONG. = 68 15 3.6 RAD. = 1736884.3	1.6 1.7 17.8
K3887	X = 628995 Y = 1615149 Z = -99104	25 40 22	LAT. = - 3 16 20.7 LONG. = 68 43 20.4 RAD. = 1736134.5	2.6 2.8 40.5
G4672	X = 622036 Y = 1613828 Z = -132651	51 65 35	LAT. = - 4 23 8.9 LONG. = 68 55 16.6 RAD. = 1734636.7	3.8 4.0 76.6
K3888	X = 621069 Y = 1614129 Z = -133429	26 40 23	LAT. = - 4 24 41.8 LONG. = 68 57 17.1 RAD. = 1734630.0	2.8 2.8 41.3
82323	X = 629735 Y = 1611134 Z = -136816	14 17 13	LAT. = - 4 31 20.1 LONG. = 68 39 4.4 RAD. = 1735234.3	1.5 1.7 16.4
82324	X = 637128 Y = 1607017 Z = -163558	16 24 15	LAT. = - 5 24 17.4 LONG. = 68 22 24.0 RAD. = 1736429.3	1.8 2.1 23.2

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
72399	X = 626630	14	LAT. = - 5 26 42.8	1.9
	Y = 1610894	25	LONG. = 68 44 39.1	2.0
	Z = -164766	15	RAD. = 1736315.7	22.8
82315	X = 641295	20	LAT. = - 6 12 9.2	1.8
	Y = 1602989	22	LONG. = 68 11 43.9	1.9
	Z = -187637	17	RAD. = 1736675.5	26.4
82194	X = 620635	14	LAT. = - 7 49 42.0	1.3
	Y = 1604237	18	LONG. = 68 50 59.7	1.6
	Z = -236492	12	RAD. = 1736287.0	18.6
Y1322	X = 607965	12	LAT. = - 0 0 10.2	1.1
	Y = 1626767	15	LONG. = 69 30 28.8	1.5
	Z = -85	9	RAD. = 1736661.4	14.6
2846	X = 611811	13	LAT. = - 0 42 16.2	1.2
	Y = 1625889	13	LONG. = 69 22 44.5	1.6
	Z = -21361	10	RAD. = 1737321.2	12.8
Z2651	X = 619520	13	LAT. = - 1 17 36.0	1.3
	Y = 1621731	18	LONG. = 69 5 33.2	1.6
	Z = -39194	11	RAD. = 1736476.8	17.5
N3443	X = 619170	19	LAT. = - 1 17 50.3	1.8
	Y = 1621927	21	LONG. = 69 6 20.4	2.1
	Z = -39316	15	RAD. = 1736538.5	22.6
53022	X = 607523	13	LAT. = - 1 48 37.0	1.3
	Y = 1626652	18	LONG. = 69 31 13.1	1.6
	Z = -54881	11	RAD. = 1737266.1	17.5
N3453	X = 615451	18	LAT. = - 2 21 6.2	1.9
	Y = 1621035	26	LONG. = 69 12 35.9	2.2
	Z = -71210	16	RAD. = 1735397.3	25.4
72517	X = 620305	16	LAT. = - 2 42 1.6	1.8
	Y = 1620400	23	LONG. = 69 3 9.6	2.0
	Z = -81838	15	RAD. = 1737000.8	22.2
N3479	X = 610435	28	LAT. = - 3 2 46.9	3.5
	Y = 1623207	36	LONG. = 69 23 25.3	2.8
	Z = -92292	28	RAD. = 1736649.0	37.6
K3999	X = 619998	22	LAT. = - 3 32 46.8	2.3
	Y = 1619015	17	LONG. = 69 2 44.7	2.5
	Z = -107443	19	RAD. = 1736994.7	16.8

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
72396	X = 605902	13	LAT. = - 4 8 40.1	1.5
	Y = 1623327	27	LONG. = 69 31 55.5	2.0
	Z = -125554	12	RAD. = 1737259.6	24.7
72397	X = 614820	14	LAT. = - 4 45 21.0	1.5
	Y = 1616393	20	LONG. = 69 10 29.7	1.8
	Z = -143877	13	RAD. = 1735347.3	19.2
G4699	X = 612673	23	LAT. = - 5 4 41.8	2.3
	Y = 1616310	20	LONG. = 69 14 25.7	2.7
	Z = -153607	19	RAD. = 1735344.7	20.9
82189	X = 595323	12	LAT. = - 5 7 2.5	1.2
	Y = 1624418	15	LONG. = 69 52 22.5	1.5
	Z = -154933	10	RAD. = 1736993.7	14.7
K3889	X = 615431	27	LAT. = - 5 53 11.7	3.9
	Y = 1612894	41	LONG. = 69 6 52.8	2.9
	Z = -177989	30	RAD. = 1735471.9	40.8
82190	X = 606760	13	LAT. = - 6 0 34.2	1.3
	Y = 1615377	16	LONG. = 69 24 47.0	1.6
	Z = -181654	11	RAD. = 1735107.2	15.5
82192	X = 613874	14	LAT. = - 6 48 38.5	1.4
	Y = 1610632	16	LONG. = 69 8 10.4	1.6
	Z = -205859	12	RAD. = 1735901.7	17.4
G4663	X = 598308	29	LAT. = - 7 52 18.9	4.2
	Y = 1612295	40	LONG. = 69 38 26.0	2.9
	Z = -237773	31	RAD. = 1736088.1	39.4



MAP SHEET 80C

TERRAIN POINTS ON MAP SHEET 80C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
91994	X = 852563 Y = 1482273 Z = -280908	16 23 12	LAT. = - 9 19 44.6 LONG. = 60 37.2 RAD. = 173289.2	1.5 2.0 22.6
91983	X = 832678 Y = 1490467 Z = -296376	19 31 16	LAT. = - 9 50 53.1 LONG. = 60 48 33.3 RAD. = 1732825.2	1.8 2.5 30.7
91985	X = 844426 Y = 1480885 Z = -331873	16 30 13	LAT. = -11 0 59.3 LONG. = 60 18 26.8 RAD. = 1736725.2	1.7 2.4 26.7
G4888	X = 812123 Y = 1509726 Z = -251696	33 89 47	LAT. = - 8 21 9.3 LONG. = 61 43 22.7 RAD. = 1732676.2	6.8 4.5 81.0
91981	X = 814933 Y = 1505298 Z = -269610	30 29 15	LAT. = - 8 57 3.4 LONG. = 61 34 11.7 RAD. = 1732837.8	1.6 2.4 37.3
E198A	X = 814896 Y = 1505272 Z = -269609	18 23 14	LAT. = - 8 57 4.0 LONG. = 61 34 14.1 RAD. = 1732797.7	1.6 2.1 24.0
D198A	X = 814925 Y = 1505236 Z = -269649	18 53 20	LAT. = - 8 57 9.0 LONG. = 61 34 9.0 RAD. = 1732786.5	3.0 4.0 42.5
91955	X = 814626 Y = 1482948 Z = -390024	17 26 16	LAT. = -12 58 50.9 LONG. = 61 13 7.5 RAD. = 1736338.1	2.1 2.3 23.3
91979	X = 802474 Y = 1515210 Z = -251050	18 19 14	LAT. = - 8 19 48.2 LONG. = 62 5 37.5 RAD. = 1732874.1	1.6 1.9 21.7
91951	X = 796822 Y = 1507488 Z = -330157	16 21 12	LAT. = -10 57 30.1 LONG. = 62 8 24.4 RAD. = 1736792.5	1.5 1.9 21.1
E193A	X = 784373 Y = 1501302 Z = -383309	16 26 16	LAT. = -12 45 3.3 LONG. = 62 24 52.7 RAD. = 1736685.4	2.2 2.2 22.9
91945	X = 757187 Y = 1543777 Z = -250000	15 16 12	LAT. = - 8 17 42.2 LONG. = 63 51 60.0 RAD. = 1737251.6	1.3 1.8 16.5

TERRAIN POINTS ON MAP SHEET 80C (CONTINUED)

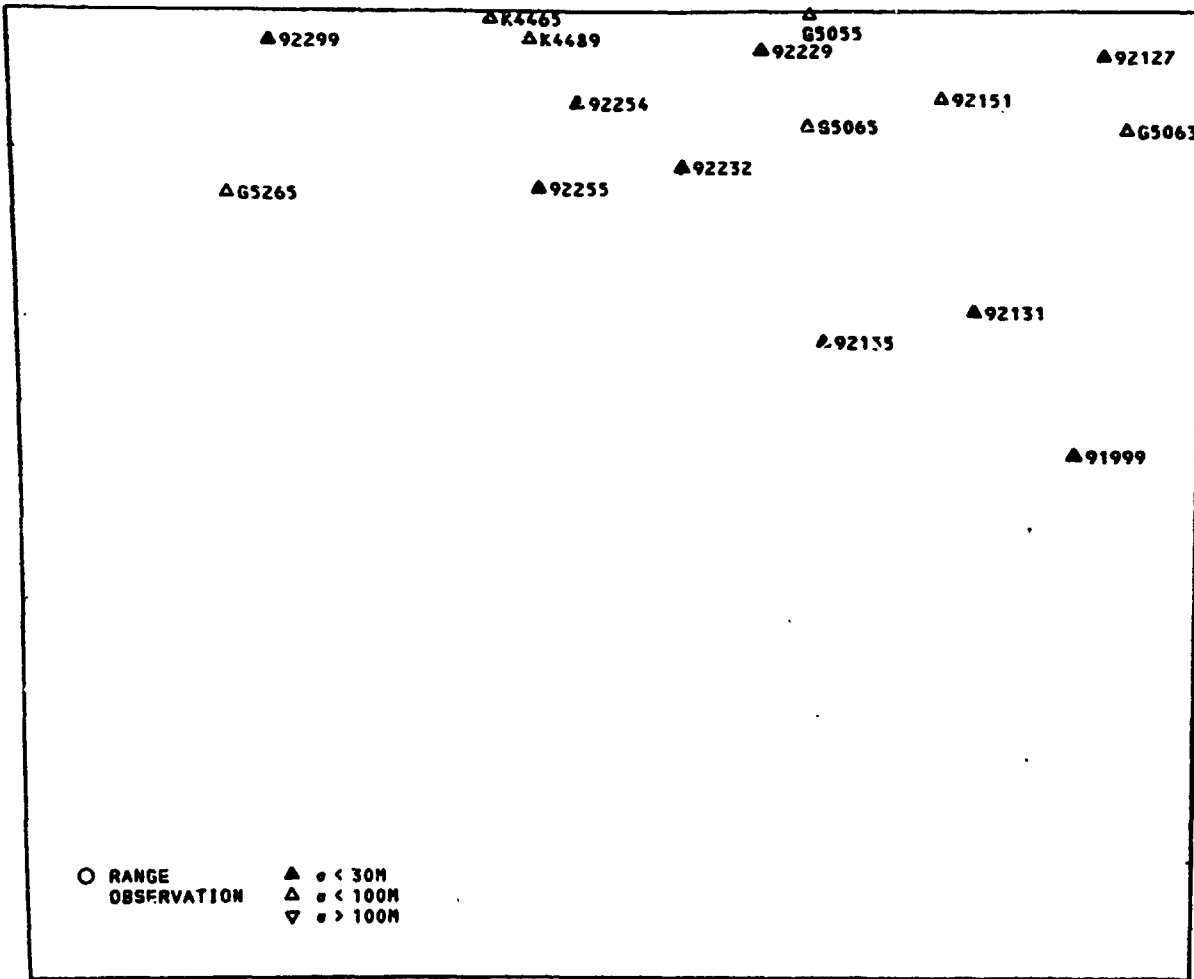
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E192H	X = 760052 Y = 1524836 Z = -334653	17 23 13	LAT. = -11 6 45.2 LONG. = 63 30 22.0 RAD. = 1736316.4	1.6 2.0 23.0
91799	X = 744116 Y = 1509102 Z = -423119	16 26 15	LAT. = -14 6 55.7 LONG. = 63 45 10.0 RAD. = 1734972.3	2.1 2.2 23.5
G4863	X = 740901 Y = 1550063 Z = -247634	31 41 30	LAT. = - 8 12 7.3 LONG. = 64 27 11.1 RAD. = 1735786.1	4.0 3.0 42.1
91923	X = 729327 Y = 1551635 Z = -273361	14 15 10	LAT. = - 9 3 32.6 LONG. = 64 49 28.9 RAD. = 1736149.5	1.2 1.7 15.3
91925	X = 739176 Y = 1542122 Z = -295318	14 16 11	LAT. = - 9 47 51.6 LONG. = 64 23 25.7 RAD. = 1735434.8	1.3 1.7 16.3
D192F	X = 745145 Y = 1537209 Z = -312512	16 27 17	LAT. = -10 22 1.1 LONG. = 64 8 19.4 RAD. = 1736639.0	2.3 2.1 23.6
91926	X = 744646 Y = 1537021 Z = -314093	16 20 13	LAT. = -10 25 14.1 LONG. = 64 9 3.8 RAD. = 1736543.7	1.4 1.8 20.9
91793	X = 719340 Y = 1542619 Z = -340164	17 22 15	LAT. = -11 18 6.1 LONG. = 64 59 59.5 RAD. = 1735751.4	1.6 2.0 23.3
91795	X = 732456 Y = 1531843 Z = -362823	16 21 13	LAT. = -12 3 42.2 LONG. = 64 26 42.2 RAD. = 1736282.1	1.5 1.9 21.1
91786	X = 712229 Y = 1525366 Z = -421284	15 30 14	LAT. = -14 2 59.0 LONG. = 64 58 15.8 RAD. = 1735364.7	2.0 2.3 26.5
82364	X = 719319 Y = 1561338 Z = -242352	14 16 10	LAT. = - 8 1 28.6 LONG. = 65 13 50.9 RAD. = 1736067.7	1.2 1.7 15.5
91699	X = 684685 Y = 1529217 Z = -459453	15 26 15	LAT. = -15 20 4.5 LONG. = 65 52 48.8 RAD. = 1737353.4	2.2 2.1 22.3

TERRAIN POINTS ON MAP SHEET 80C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82320	X = 675368 Y = 1577773 Z = -263239	19 21 17	LAT. = - 8 43 12.4 LONG. = 66 49 35.7 RAD. = 1736313.1	1.8 2.0 24.0
91769	X = 666796 Y = 1567494 Z = -328434	14 17 12	LAT. = -10 54 47.5 LONG. = 66 57 20.2 RAD. = 1734797.6	1.4 1.7 16.9
91780	X = 679520 Y = 1561545 Z = -338993	14 17 11	LAT. = -11 15 28.3 LONG. = 66 28 53.2 RAD. = 1736423.6	1.3 1.7 16.7
91694	X = 662595 Y = 1556481 Z = -390759	15 21 12	LAT. = -13 0 24.6 LONG. = 66 56 25.9 RAD. = 1736190.4	1.4 1.8 20.6
91698	X = 678232 Y = 1537503 Z = -438516	14 22 13	LAT. = -14 37 30.9 LONG. = 66 11 47.4 RAD. = 1736724.2	1.8 1.9 20.4
82309	X = 653191 Y = 1583963 Z = -281285	14 19 12	LAT. = - 9 19 23.4 LONG. = 67 35 23.4 RAD. = 1736294.6	1.5 1.8 17.8
D230J	X = 653228 Y = 1583959 Z = -281308	18 23 15	LAT. = - 9 19 25.9 LONG. = 67 35 19.1 RAD. = 1736308.7	1.8 2.1 23.3
82199	X = 660962 Y = 1577821 Z = -300306	13 15 10	LAT. = - 9 57 24.3 LONG. = 67 16 14.8 RAD. = 1736828.8	1.2 1.6 15.2
82311	X = 661801 Y = 1575943 Z = -303645	17 26 17	LAT. = -10 4 24.0 LONG. = 67 13 13.9 RAD. = 1736023.5	2.2 2.3 22.9
91692	X = 641174 Y = 1571489 Z = -364508	14 17 11	LAT. = -12 7 15.2 LONG. = 67 48 15.6 RAD. = 1735956.9	1.3 1.7 16.9
91686	X = 641856 Y = 1547753 Z = -453309	14 23 13	LAT. = -15 8 18.5 LONG. = 67 28 34.1 RAD. = 1735802.2	1.8 1.8 20.8
82197	X = 640987 Y = 1589459 Z = -277219	13 16 11	LAT. = - 9 11 17.6 LONG. = 68 2 13.4 RAD. = 1736114.8	1.2 1.6 15.8

TERRAIN POINTS ON MAP SHEET 80C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82177	X = 624764	13	LAT. = -10 45 57.9	1.3
	Y = 1587543	16	LONG. = 68 31 5.9	1.6
	Z = -324401	11	RAD. = 1736622.8	15.9
91670	X = 611270	13	LAT. = -12 37 42.1	1.3
	Y = 1579899	17	LONG. = 68 50 54.0	1.6
	Z = -379541	11	RAD. = 1736025.2	16.9
82175	X = 609825	15	LAT. = - 9 49 45.8	1.4
	Y = 1598115	17	LONG. = 69 6 49.1	1.7
	Z = -296360	12	RAD. = 1735997.5	18.0
82097	X = 585597	13	LAT. = -10 6 42.5	1.3
	Y = 1606173	16	LONG. = 69 58 6.8	1.6
	Z = -304888	11	RAD. = 1736569.2	16.5
82098	X = 593925	12	LAT. = -11 4 20.8	1.2
	Y = 1598011	15	LONG. = 69 36 41.9	1.7
	Z = -333620	10	RAD. = 1737149.2	14.9
91669	X = 602938	13	LAT. = -12 7 26.0	1.4
	Y = 1586774	18	LONG. = 69 11 39.7	1.7
	Z = -364645	12	RAD. = 1736189.3	18.2
91650	X = 594400	14	LAT. = -14 11 22.8	1.4
	Y = 1574605	21	LONG. = 69 19 8.1	1.7
	Z = -425557	12	RAD. = 1736027.4	20.7



MAP SHEET 80D

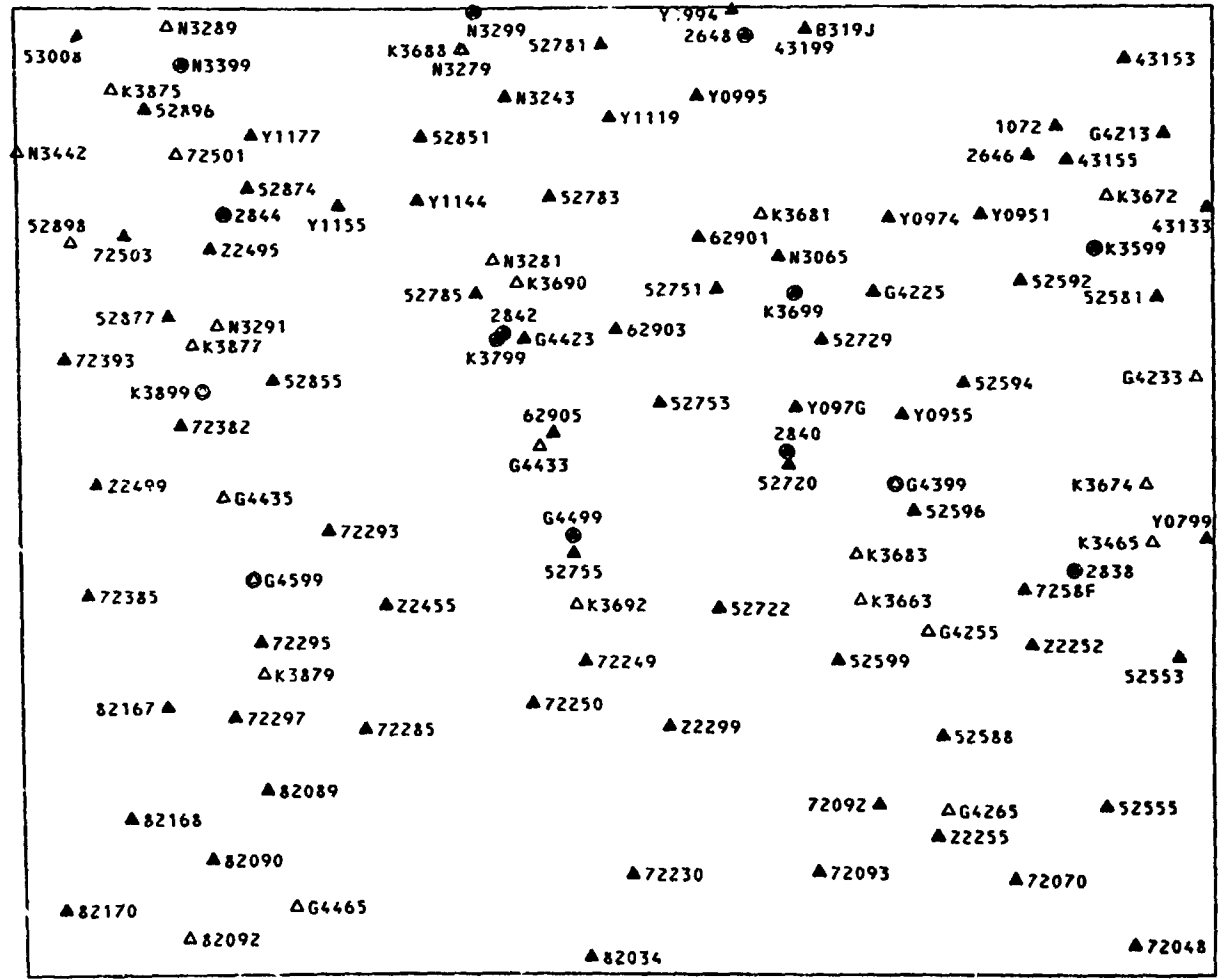
TERRAIN POINTS ON MAP SHEET 80D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G5265	X = 1058792 Y = 1345128 Z = -286446	36 38 29	LAT. = - 9 29 57.8 LONG. = 51 47 33.4 RAD. = 1735644.1	4.0 3.2 41.8
92299	X = 1053457 Y = 1356619 Z = -248857	19 26 16	LAT. = - 8 14 38.3 LONG. = 52 10 10.4 RAD. = 1735545.2	2.1 2.4 24.0
K4465	X = 1009110 Y = 1390649 Z = -243392	30 36 23	LAT. = - 8 3 45.4 LONG. = 54 2 2.0 RAD. = 1735352.3	3.1 2.8 38.3
K4489	X = 1000731 Y = 1395492 Z = -248392	40 79 51	LAT. = - 8 13 50.1 LONG. = 54 21 18.2 RAD. = 1735096.3	7.2 4.2 74.9
92254	X = 989696 Y = 1400763 Z = -264277	17 23 14	LAT. = - 8 45 34.7 LONG. = 54 45 26.1 RAD. = 1735360.7	1.8 2.1 21.7
92255	X = 995978 Y = 1392408 Z = -285465	18 23 15	LAT. = - 9 28 .8 LONG. = 54 25 27.0 RAD. = 1735587.3	2.0 2.2 21.9
92232	X = 966586 Y = 1413824 Z = -280199	17 23 14	LAT. = - 9 17 29.6 LONG. = 55 38 27.0 RAD. = 1735423.9	1.8 2.1 21.3
G5055	X = 942953 Y = 1436558 Z = -242363	29 30 21	LAT. = - 8 1 41.1 LONG. = 56 43 9.1 RAD. = 1735395.8	2.8 2.7 34.1
92229	X = 952423 Y = 1428794 Z = -251263	17 20 12	LAT. = - 8 19 29.4 LONG. = 56 18 46.3 RAD. = 1735423.5	1.5 2.0 20.5
G5065	X = 941074 Y = 1432819 Z = -270024	33 39 28	LAT. = - 8 57 5.8 LONG. = 56 42 11.3 RAD. = 1735368.1	3.9 3.1 41.1
92155	X = 932750 Y = 1427730 Z = -323513	18 26 16	LAT. = -10 44 28.5 LONG. = 56 50 34.9 RAD. = 1735827.7	2.2 2.3 23.7
92151	X = 913615 Y = 1452250 Z = -263441	35 45 16	LAT. = - 8 43 45.5 LONG. = 57 49 33.2 RAD. = 1735835.1	2.4 2.3 52.1

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• TERRAIN POINTS ON MAP SHEET 80D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92131	X = 901596	16	LAT. = -10 29 35.0	2.0
	Y = 1449357	31	LONG. = 58 6 56.3	2.4
	Z = -316141	14	RAD. = 1735931.5	27.2
91999	X = 876741	17	LAT. = -11 40 46.9	2.1
	Y = 1457177	26	LONG. = 58 57 57.3	2.3
	Z = -351549	15	RAD. = 1736556.0	23.6
92127	X = 879938	17	LAT. = - 8 22 23.7	1.4
	Y = 1475124	21	LONG. = 59 10 59.4	1.9
	Z = -252820	12	RAD. = 1736145.2	21.5
G5063	X = 872659	33	LAT. = - 8 59 15.7	4.2
	Y = 1474651	41	LONG. = 59 23 2.7	3.1
	Z = -271017	31	RAD. = 1734813.6	42.3



○ RANGE
 OBSERVATION

▲ ◊ < 30M
 ▲ ◊ < 100M
 ▼ ◊ > 100M

MAP SHEET 81A

TERRAIN POINTS ON MAP SHEET 81A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
53008	X = 578792 Y = 1637225 Z = -7288	11 13 8	LAT. = - 0 14 25.7 LONG. = 70 31 49.7 RAD. = 1736536.8	1.0 1.3 13.0
K3875	X = 571043 Y = 1640068 Z = -20477	23 41 34	LAT. = - 0 40 31.9 LONG. = 70 48 9.9 RAD. = 1736758.9	4.0 2.9 40.3
N3442	X = 593780 Y = 1632445 Z = -35985	21 30 21	LAT. = - 1 11 12.3 LONG. = 70 0 42.6 RAD. = 1737453.7	2.5 2.4 30.3
72503	X = 568464 Y = 1641165 Z = -57140	17 21 15	LAT. = - 1 53 3.4 LONG. = 70 53 42.1 RAD. = 1737768.2	1.7 1.8 22.5
52898	X = 581292 Y = 1636672 Z = -58824	17 41 20	LAT. = - 1 56 23.2 LONG. = 70 26 47.9 RAD. = 1737831.0	2.5 2.9 36.5
72393	X = 582487 Y = 1634391 Z = -88097	12 20 10	LAT. = - 2 54 23.9 LONG. = 70 23 3.3 RAD. = 1737322.1	1.2 1.5 19.2
22499	X = 574630 Y = 1635859 Z = -119587	13 19 13	LAT. = - 3 56 44.0 LONG. = 70 38 42.4 RAD. = 1737969.0	1.6 1.6 17.6
72385	X = 576316 Y = 1632716 Z = -147410	13 26 12	LAT. = - 4 51 58.5 LONG. = 70 33 28.8 RAD. = 1737708.6	1.5 1.9 23.7
82168	X = 564947 Y = 1631056 Z = -203044	15 23 15	LAT. = - 6 42 31.9 LONG. = 70 53 43.9 RAD. = 1738026.4	1.7 2.0 22.7
82170	X = 579545 Y = 1621639 Z = -225468	16 21 14	LAT. = - 7 27 32.9 LONG. = 70 20 2.5 RAD. = 1736785.1	1.6 1.7 22.8
N3289	X = 557850 Y = 1645590 Z = -4650	24 37 21	LAT. = - 0 9 12.0 LONG. = 71 16 24.6 RAD. = 1737580.3	2.5 2.7 37.8
N3399	X = 554063 Y = 1645423 Z = -14016	18 18 16	LAT. = - 0 27 45.1 LONG. = 71 23 24.4 RAD. = 1736260.1	1.9 2.1 17.3

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
52896	X = 563173 Y = 1642941 Z = -25342	15 22 13	LAT. = - 0 50 9.5 LONG. = 71 4 44.8 RAD. = 1736969.1	1.6 1.7 21.8
Y1177	X = 537575 Y = 1651650 Z = -31918	11 15 9	LAT. = - 1 3 9.9 LONG. = 71 58 15.9 RAD. = 1737226.1	1.1 1.4 14.4
72501	X = 555257 Y = 1644262 Z = -36634	20 35 30	LAT. = - 1 12 33.4 LONG. = 71 20 25.8 RAD. = 1735871.9	3.5 1.9 37.0
52874	X = 538673 Y = 1651350 Z = -45153	14 18 12	LAT. = - 1 29 20.6 LONG. = 71 56 1.0 RAD. = 1737574.5	1.4 1.6 18.2
2844	X = 544399 Y = 1649412 Z = -51687	12 13 10	LAT. = - 1 42 16.1 LONG. = 71 44 3.1 RAD. = 1737700.1	1.2 1.5 12.8
22495	X = 547560 Y = 1647712 Z = -60461	13 17 10	LAT. = - 1 59 39.5 LONG. = 71 37 3.2 RAD. = 1737363.7	1.2 1.5 17.3
52877	X = 557720 Y = 1643837 Z = -77506	11 15 9	LAT. = - 2 33 23.5 LONG. = 71 15 32.4 RAD. = 1737601.0	1.1 1.4 15.1
N3291	X = 545594 Y = 1647041 Z = -79647	26 37 29	LAT. = - 2 37 41.9 LONG. = 71 40 19.9 RAD. = 1736882.2	3.5 2.8 38.1
K3877	X = 551876 Y = 1645605 Z = -84616	25 38 22	LAT. = - 2 47 27.7 LONG. = 71 27 37.5 RAD. = 1737741.1	2.6 2.8 39.6
K3899	X = 548842 Y = 1644534 Z = -96151	30 23 27	LAT. = - 3 10 27.7 LONG. = 71 32 39.2 RAD. = 1736365.4	3.2 3.8 19.0
72382	X = 553804 Y = 1641486 Z = -104669	14 20 11	LAT. = - 3 27 27.2 LONG. = 71 21 24.0 RAD. = 1735549.1	1.3 1.6 20.6
G4435	X = 543814 Y = 1645445 Z = -122768	21 35 20	LAT. = - 4 3 7.9 LONG. = 71 42 41.2 RAD. = 1737324.0	2.3 2.7 34.1

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G4599	X = 536223	23	LAT. = - 4 43 47.6	2.6
	Y = 1645748	21	LONG. = 71 57 11.4	2.8
	Z = -143215	22	RAD. = 1736817.0	19.8
82167	X = 556730	13	LAT. = - 5 47 16.9	1.3
	Y = 1637105	16	LONG. = 71 13 6.2	1.6
	Z = -175279	11	RAD. = 1738040.4	15.7
72297	X = 539723	13	LAT. = - 5 52 30.4	1.6
	Y = 1640357	23	LONG. = 71 47 14.5	1.7
	Z = -177697	12	RAD. = 1735986.0	21.1
82090	X = 544904	13	LAT. = - 7 2 56.2	1.3
	Y = 1636079	16	LONG. = 71 34 46.0	1.6
	Z = -213229	11	RAD. = 1737567.9	15.9
82092	X = 549196	39	LAT. = - 7 42 2.4	2.8
	Y = 1629131	29	LONG. = 71 22 13.9	3.6
	Z = -232467	27	RAD. = 1734855.7	40.1
Y1155	X = 515367	12	LAT. = - 1 38 22.4	1.7
	Y = 1654960	19	LONG. = 72 42 10.8	1.6
	Z = -49614	14	RAD. = 1734058.6	18.3
52855	X = 532470	12	LAT. = - 3 4 59.8	1.2
	Y = 1652409	16	LONG. = 72 8 20.6	1.4
	Z = -93515	10	RAD. = 1738598.9	15.7
72293	X = 517587	15	LAT. = - 4 19 46.9	1.4
	Y = 1651622	23	LONG. = 72 36 .0	1.6
	Z = -131043	11	RAD. = 1735777.8	23.7
72295	X = 533820	12	LAT. = - 5 15 12.4	1.3
	Y = 1644222	19	LONG. = 72 0 47.7	1.5
	Z = -158951	11	RAD. = 1735999.9	18.5
K3879	X = 532889	28	LAT. = - 5 31 2.0	3.9
	Y = 1643694	40	LONG. = 72 2 13.9	2.9
	Z = -166904	30	RAD. = 1735960.4	40.5
72285	X = 508036	12	LAT. = - 5 58 24.3	1.5
	Y = 1650061	21	LONG. = 72 53 13.1	1.6
	Z = -180653	11	RAD. = 1735925.9	19.9
82089	X = 531942	13	LAT. = - 6 28 41.5	1.3
	Y = 1642394	16	LONG. = 72 3 13.6	1.6
	Z = -196032	11	RAD. = 1737483.0	16.0

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G4465	X = 524440 Y = 1641350 Z = -225036	28 41 31	LAT. = - 7 26 26.5 LONG. = 72 16 49.5 RAD. = 1737730.3	4.1 3.0 40.2
N3299	X = 462379 Y = 1666762 Z = -945	17 18 16	LAT. = - 0 1 52.3 LONG. = 73 51 32.3 RAD. = 1735161.2	1.9 2.1 17.7
K3688	X = 485795 Y = 1665695 Z = -10343	24 41 33	LAT. = - 0 20 29.5 LONG. = 73 44 26.9 RAD. = 1735120.7	3.9 2.9 41.3
N3279	X = 485135 Y = 1665907 Z = -10598	24 38 21	LAT. = - 0 20 59.8 LONG. = 73 45 49.3 RAD. = 1735141.1	2.5 2.7 38.5
52851	X = 496074 Y = 1664527 Z = -32349	13 19 11	LAT. = - 1 4 1.2 LONG. = 73 24 16.3 RAD. = 1737177.8	1.3 1.5 19.0
Y1144	X = 496016 Y = 1661082 Z = -48365	14 32 18	LAT. = - 1 35 53.2 LONG. = 73 22 25.8 RAD. = 1734233.5	2.2 2.1 29.1
52785	X = 482056 Y = 1665947 Z = -71854	12 16 10	LAT. = - 2 22 20.9 LONG. = 73 51 42.3 RAD. = 1735776.4	1.2 1.4 15.9
Z2455	X = 504072 Y = 1656076 Z = -149822	12 19 13	LAT. = - 4 56 47.4 LONG. = 73 4 15.4 RAD. = 1737562.2	1.6 1.6 17.4
52781	X = 451682 Y = 1676619 Z = -9323	11 14 9	LAT. = - 0 18 27.5 LONG. = 74 55 20.8 RAD. = 1736420.2	1.1 1.3 14.1
N3243	X = 475033 Y = 1669735 Z = -22519	22 26 18	LAT. = - 0 44 35.5 LONG. = 74 7 9.0 RAD. = 1736139.1	2.1 2.4 28.3
Y1119	X = 449688 Y = 1676911 Z = -27650	10 13 8	LAT. = - 0 54 44.7 LONG. = 74 59 18.5 RAD. = 1736379.2	1.0 1.2 12.7
52783	X = 464487 Y = 1672838 Z = -47630	13 17 11	LAT. = - 1 34 17.4 LONG. = 74 28 54.9 RAD. = 1736779.8	1.2 1.5 17.8

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N3281	X = 478047 Y = 1667658 Z = -63432	25 37 28	LAT. = - 2 5 38.5 LONG. = 74 0 16.7 RAD. = 1735982.2	3.4 2.7 38.0
K3690	X = 472411 Y = 1669990 Z = -69095	25 39 22	LAT. = - 2 16 47.6 LONG. = 74 12 17.0 RAD. = 1736897.1	2.6 2.8 40.5
2842	X = 475526 Y = 1667916 Z = -81617	12 13 10	LAT. = - 2 41 39.4 LONG. = 74 5 13.3 RAD. = 1736297.7	1.2 1.5 12.3
G'423	X = 470616 Y = 1670037 Z = -83072	18 23 17	LAT. = - 2 44 28.0 LONG. = 74 15 43.9 RAD. = 1737067.6	2.0 2.2 22.7
K3799	X = 477083 Y = 1667526 Z = -83159	18 18 17	LAT. = - 2 44 42.0 LONG. = 74 2 2.6 RAD. = 1736423.3	2.0 2.2 17.1
62905	X = 463072 Y = 1670148 Z = -106666	15 22 13	LAT. = - 3 31 18.4 LONG. = 74 30 11.6 RAD. = 1736435.1	1.5 1.7 22.4
G4433	X = 466732 Y = 1669940 Z = -110054	23 31 18	LAT. = - 3 37 54.2 LONG. = 74 23 5.4 RAD. = 1737425.9	2.1 2.4 32.9
G4499	X = 458233 Y = 1670384 Z = -132303	20 21 18	LAT. = - 4 22 4.6 LONG. = 74 39 34.4 RAD. = 1737142.2	2.1 2.3 21.0
52755	X = 458107 Y = 1670310 Z = -136856	11 18 10	LAT. = - 4 31 4.5 LONG. = 74 39 46.5 RAD. = 1737390.5	1.3 1.4 17.2
K3692	X = 457369 Y = 1669711 Z = -149742	27 40 28	LAT. = - 4 56 36.6 LONG. = 74 40 52.4 RAD. = 1737683.3	3.6 2.9 40.2
72249	X = 455096 Y = 1669511 Z = -164046	12 16 10	LAT. = - 5 24 55.8 LONG. = 74 45 7.5 RAD. = 1738186.2	1.2 1.4 16.2
72250	X = 467762 Y = 1664839 Z = -174679	12 19 10	LAT. = - 5 46 4.6 LONG. = 74 18 23.3 RAD. = 1738103.5	1.3 1.5 18.7

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82034	X = 452254	13	LAT. = - 7 51 42.8	1.3
	Y = 1661618	16	LONG. = 74 46 27.3	1.5
	Z = -237789	11	RAD. = 1738404.8	16.0
Y0995	X = 428494	11	LAT. = - 0 44 19.8	1.1
	Y = 1684292	14	LONG. = 75 43 35.1	1.3
	Z = -22412	9	RAD. = 1738088.2	14.2
62901	X = 427796	13	LAT. = - 1 54 28.9	1.4
	Y = 1682011	16	LONG. = 75 43 48.6	1.5
	Z = -57818	12	RAD. = 1736523.0	16.2
52751	X = 423088	12	LAT. = - 2 20 5.7	1.2
	Y = 1681327	16	LONG. = 75 52 31.5	1.4
	Z = -70693	10	RAD. = 1735183.7	16.0
62903	X = 447697	11	LAT. = - 2 39 55.0	1.1
	Y = 1674163	15	LONG. = 75 1 42.7	1.3
	Z = -80673	9	RAD. = 1734866.6	14.3
52753	X = 436948	11	LAT. = - 3 16 27.9	1.1
	Y = 1676126	16	LONG. = 75 23 19.7	1.3
	Z = -99099	9	RAD. = 1734975.8	15.7
52722	X = 422208	11	LAT. = - 4 58 25.6	1.1
	Y = 1677940	15	LONG. = 75 52 34.6	1.3
	Z = -150579	9	RAD. = 1736782.8	14.7
Z2299	X = 474025	12	LAT. = - 5 57 11.8	1.6
	Y = 1672758	18	LONG. = 75 27 15.9	1.5
	Z = -180211	12	RAD. = 1737519.1	17.0
72230	X = 442557	13	LAT. = - 7 10 31.8	1.7
	Y = 1667036	21	LONG. = 75 7 56.3	1.6
	Z = -217141	13	RAD. = 1738395.0	20.2
Y0994	X = 419293	12	LAT. = - 0 1 30.2	1.2
	Y = 1684284	18	LONG. = 76 1 14.5	1.4
	Z = -759	10	RAD. = 1735690.2	17.6
B319J	X = 401884	14	LAT. = - 0 11 12.1	1.4
	Y = 1690273	21	LONG. = 76 37 31.9	1.6
	Z = -5661	12	RAD. = 1737402.1	21.5
43199	X = 401885	12	LAT. = - 0 11 12.6	1.3
	Y = 1690291	15	LONG. = 76 37 32.3	1.4
	Z = -5666	11	RAD. = 1737419.3	15.0

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2648	X = 416169	12	LAT. = - 0 14 2.7	1.2
	Y = 1685547	13	LONG. = 76 7 50.9	1.4
	Z = -7093	10	RAD. = 1736178.1	12.4
K3681	X = 412422	23	LAT. = - 1 43 .0	2.7
	Y = 1684698	41	LONG. = 76 14 39.3	2.8
	Z = -51982	23	RAD. = 1735224.0	41.3
N3065	X = 408096	20	LAT. = - 2 4 1.8	2.1
	Y = 1685509	27	LONG. = 76 23 22.1	2.2
	Z = -62596	18	RAD. = 1735339.3	27.1
K3699	X = 404090	21	LAT. = - 2 21 52.8	2.3
	Y = 1686284	16	LONG. = 76 31 26.9	2.5
	Z = -71606	19	RAD. = 1735502.3	16.3
52729	X = 397383	12	LAT. = - 2 45 14.0	1.5
	Y = 1687086	23	LONG. = 76 44 45.3	1.5
	Z = -83372	12	RAD. = 1735258.5	22.8
Y097G	X = 403620	12	LAT. = - 3 18 48.0	1.2
	Y = 1684331	17	LONG. = 76 31 27.1	1.4
	Z = -100272	10	RAD. = 1734916.0	17.1
2840	X = 405626	12	LAT. = - 3 40 36.1	1.2
	Y = 1683152	13	LONG. = 76 27 2.0	1.4
	Z = -111253	10	RAD. = 1734909.1	12.4
52720	X = 405173	10	LAT. = - 3 47 7.0	1.0
	Y = 1683054	14	LONG. = 76 27 51.7	1.2
	Z = -114536	9	RAD. = 1734921.8	14.2
52599	X = 393021	10	LAT. = - 5 24 24.7	1.0
	Y = 1684941	14	LONG. = 76 52 12.8	1.2
	Z = -153759	9	RAD. = 1737903.7	14.0
72093	X = 396 40	14	LAT. = - 7 9 26.9	1.5
	Y = 1677722	21	LONG. = 76 41 31.6	1.6
	Z = -216493	12	RAD. = 1737556.2	21.4
Y0974	X = 381712	10	LAT. = - 1 45 4.7	1.0
	Y = 1695491	13	LONG. = 77 18 44.4	1.2
	Z = -53138	8	RAD. = 1738740.4	12.5
G4225	X = 384541	23	LAT. = - 2 21 29.6	2.4
	Y = 1690970	26	LONG. = 77 11 18.0	2.6
	Z = -71415	20	RAD. = 1735612.8	27.4

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
52594	X = 362887 Y = 1696238 Z = -94245	10 14 9	LAT. = - 3 6 35.7 LONG. = 77 55 27.8 RAD. = 1737179.1	1.1 1.2 13.7
Y0955	X = 377530 Y = 1691122 Z = -102093	10 15 9	LAT. = - 3 22 19.0 LONG. = 77 24 55.8 RAD. = 1735755.4	1.1 1.3 14.5
G4399	X = 379060 Y = 1689967 Z = -119515	29 20 27	LAT. = - 3 56 50.9 LONG. = 77 21 28.1 RAD. = 1736075.7	3.2 3.4 21.0
52596	X = 375071 Y = 1692930 Z = -126384	11 15 10	LAT. = - 4 10 7.4 LONG. = 77 30 28.1 RAD. = 1738580.9	1.1 1.3 15.1
K3683	X = 388313 Y = 1685574 Z = -137022	26 41 29	LAT. = - 4 31 45.4 LONG. = 77 1 36.7 RAD. = 1735143.0	3.7 2.8 41.3
K3663	X = 387767 Y = 1687758 Z = -148748	32 42 24	LAT. = - 4 54 33.8 LONG. = 77 3 38.5 RAD. = 1738106.7	3.1 3.0 44.4
G4255	X = 371145 Y = 1690500 Z = -156511	39 53 29	LAT. = - 5 10 1.7 LONG. = 77 37 2.3 RAD. = 1737825.0	3.9 3.6 56.7
52588	X = 366715 Y = 1686944 Z = -182353	12 16 11	LAT. = - 6 1 47.2 LONG. = 77 44 8.2 RAD. = 1735947.3	1.3 1.4 15.9
72092	X = 381894 Y = 1682331 Z = -199459	13 22 12	LAT. = - 6 35 42.8 LONG. = 77 12 37.5 RAD. = 1736624.9	1.4 1.6 21.5
G4265	X = 364997 Y = 1684892 Z = -200946	27 42 32	LAT. = - 6 38 54.2 LONG. = 77 46 36.0 RAD. = 1735644.8	4.2 2.9 40.7
22255	X = 367288 Y = 1683751 Z = -207292	12 19 12	LAT. = - 6 51 31.8 LONG. = 77 41 40.0 RAD. = 1735766.8	1.6 1.5 17.5
1072	X = 339998 Y = 1702347 Z = -29986	13 21 12	LAT. = - 0 59 22.5 LONG. = 78 42 19.1 RAD. = 1736227.0	1.4 1.6 21.6

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2646	X = 347163	12	LAT. = - 1 13 44.3	1.2
	Y = 1702761	17	LONG. = 78 28 34.8	1.4
	Z = -37281	10	RAD. = 1738190.5	17.2
43155	X = 337382	11	LAT. = - 1 15 52.6	1.2
	Y = 1703043	16	LONG. = 78 47 40.1	1.3
	Z = -38326	10	RAD. = 1736563.4	15.8
Y0951	X = 358197	10	LAT. = - 1 43 11.9	1.0
	Y = 1697392	13	LONG. = 78 4 26.9	1.2
	Z = -52094	8	RAD. = 1735619.1	13.2
52592	X = 349002	12	LAT. = - 2 16 4.5	1.3
	Y = 1701487	23	LONG. = 78 24 30.6	1.6
	Z = -68787	11	RAD. = 1738272.7	21.9
2838	X = 334873	11	LAT. = - 4 39 38.5	1.2
	Y = 1698000	12	LONG. = 78 50 36.7	1.4
	Z = -141095	10	RAD. = 1736448.4	12.2
7258F	X = 347192	17	LAT. = - 4 49 22.4	1.9
	Y = 1695911	20	LONG. = 78 25 48.4	1.8
	Z = -146060	17	RAD. = 1737236.3	21.6
22252	X = 344824	11	LAT. = - 5 16 43.5	1.2
	Y = 1693942	17	LONG. = 78 29 38.0	1.4
	Z = -159719	10	RAD. = 1736045.2	17.1
72070	X = 347964	11	LAT. = - 7 13 4.5	1.2
	Y = 1686476	17	LONG. = 78 20 31.1	1.4
	Z = -218086	10	RAD. = 1735753.8	16.6
43153	X = 323503	10	LAT. = - 0 26 4	1.0
	Y = 1707118	13	LONG. = 79 16 10.4	1.2
	Z = -13144	9	RAD. = 1737550.1	13.1
G4213	X = 313756	16	LAT. = - 1 2 46.6	1.9
	Y = 1708144	24	LONG. = 79 35 30.5	2.0
	Z = -31717	16	RAD. = 1737010.6	23.8
K3672	X = 327801	46	LAT. = - 1 33 45.1	3.3
	Y = 1705415	68	LONG. = 79 7 11.2	4.3
	Z = -47372	29	RAD. = 1737278.8	73.8
43133	X = 302864	9	LAT. = - 1 39 31.5	1.0
	Y = 1709314	13	LONG. = 79 57 8.5	1.1
	Z = -50271	8	RAD. = 1736665.9	13.4

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K3599	X = 330708	17	LAT. = - 1 59 38.6	1.9
	Y = 1704458	17	LONG. = 79 1 10.5	2.0
	Z = -60450	16	RAD. = 1737296.5	16.6
52581	X = 315356	9	LAT. = - 2 23 51.1	1.0
	Y = 1707050	13	LONG. = 79 32 7.4	1.1
	Z = -72682	8	RAD. = 1737451.8	12.4
G4233	X = 305446	18	LAT. = - 3 3 31.4	2.1
	Y = 1706265	33	LONG. = 79 51 2.7	2.2
	Z = -92625	17	RAD. = 1735862.3	32.4
K3674	X = 317426	52	LAT. = - 3 56 45.9	5.1
	Y = 1702864	70	LONG. = 79 26 27.0	5.0
	Z = -119489	39	RAD. = 1736313.3	74.8
Y0799	X = 302443	10	LAT. = - 4 23 54.0	1.1
	Y = 1704824	14	LONG. = 79 56 24.5	1.2
	Z = -133177	9	RAD. = 1736558.0	14.2
K3465	X = 315877	25	LAT. = - 4 25 34.9	3.8
	Y = 1702586	40	LONG. = 79 29 22.4	2.7
	Z = -134044	30	RAD. = 1736820.7	39.1
52553	X = 308662	10	LAT. = - 5 22 43.9	1.0
	Y = 1700429	15	LONG. = 79 42 42.1	1.2
	Z = -162721	9	RAD. = 1735860.0	14.5
52555	X = 325908	10	LAT. = - 6 36 49.6	1.1
	Y = 1692940	4	LONG. = 79 6 11.9	1.2
	Z = -199896	9	RAD. = 1735575.4	14.0
72048	X = 318285	12	LAT. = - 7 45 19.1	1.3
	Y = 1690070	19	LONG. = 79 20 4.6	1.4
	Z = -234214	11	RAD. = 1735655.2	18.8

TERRAIN POINTS ON MAP SHEET 81B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2208	X = 276030	11	LAT. = - 0 31 44.2	1.2
	Y = 1712395	12	LONG. = 80 50 34.6	1.3
	Z = -16013	10	RAD. = 1734574.1	11.7
X0551	X = 289196	11	LAT. = - 0 54 8.3	1.2
	Y = 1711496	18	LONG. = 80 24 33.1	1.3
	Z = -27338	10	RAD. = 1735972.5	17.4
1070	X = 271275	13	LAT. = - 2 4 51.7	1.4
	Y = 1711487	13	LONG. = 80 59 36.3	1.5
	Z = -62966	12	RAD. = 1733996.1	12.6
2644	X = 276150	11	LAT. = - 2 13 4.9	1.2
	Y = 1710518	12	LONG. = 80 49 45.0	1.3
	Z = -67108	10	RAD. = 1733964.6	11.9
5254H	X = 277771	13	LAT. = - 2 56 59.3	1.3
	Y = 1711027	29	LONG. = 80 46 44.2	1.8
	Z = -89323	11	RAD. = 1735727.3	27.8
Y0796	X = 290328	9	LAT. = - 3 0 29.2	1.0
	Y = 1708876	13	LONG. = 80 21 28.2	1.1
	Z = -91088	8	RAD. = 1735754.9	13.1
G4299	X = 299253	21	LAT. = - 3 31 47.7	2.3
	Y = 1706706	19	LONG. = 80 3 17.6	2.4
	Z = -106887	19	RAD. = 1736036.5	19.1
G4243	X = 291259	19	LAT. = - 4 2 1.2	2.3
	Y = 1708174	32	LONG. = 80 19 25.0	2.2
	Z = -122194	19	RAD. = 1737129.9	31.8
5255K	X = 293088	15	LAT. = - 4 8 8.6	1.6
	Y = 1707959	21	LONG. = 80 15 46.1	1.8
	Z = -125303	14	RAD. = 1737448.2	21.5
B255K	X = 293084	13	LAT. = - 4 8 14.4	1.8
	Y = 1707878	22	LONG. = 80 15 45.0	1.6
	Z = -125347	15	RAD. = 1737371.1	21.5
6255K	X = 293115	16	LAT. = - 4 9 14.6	1.9
	Y = 1707910	20	LONG. = 80 15 42.0	1.8
	Z = -125351	17	RAD. = 1737408.2	22.1
52531	X = 280994	11	LAT. = - 5 42 15.3	1.2
	Y = 1705534	15	LONG. = 80 38 39.6	1.3
	Z = -172659	10	RAD. = 1737128.4	15.4

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Z2095	X = 274119 Y = 1705671 Z = -178018	11 17 10	LAT. = - 5 53 .0 LONG. = 80 52 12.2 RAD. = 1736705.2	1.2 1.3 17.0
G4753	X = 294989 Y = 1700507 Z = -184243	28 80 51	LAT. = - 6 5 36.1 LONG. = 80 9 31.5 RAD. = 1735709.8	6.9 4.2 72.6
Z2099	X = 293850 Y = 1693914 Z = -238561	11 19 12	LAT. = - 7 54 .0 LONG. = 80 9 31.0 RAD. = 1735685.6	1.6 1.4 17.4
42995	X = 243447 Y = 1716653 Z = -14557	10 14 9	LAT. = - 0 28 51.7 LONG. = 81 55 42.3 RAD. = 1733890.3	1.0 1.2 13.9
42997	X = 257155 Y = 1714758 Z = -40819	9 13 8	LAT. = - 1 20 54.8 LONG. = 81 28 16.1 RAD. = 1734413.8	1.0 1.1 13.1
K3499	X = 255897 Y = 1714318 Z = -49019	15 14 14	LAT. = - 1 37 11.7 LONG. = 81 30 36.4 RAD. = 1734004.8	1.7 1.8 14.2
G4222	X = 269682 Y = 1711996 Z = -53867	16 24 15	LAT. = - 1 46 48.9 LONG. = 81 2 53.0 RAD. = 1733944.0	1.8 1.9 23.9
Y0793	X = 268684 Y = 1712103 Z = -57583	11 17 10	LAT. = - 1 54 10.9 LONG. = 81 4 52.2 RAD. = 1734013.5	1.2 1.3 17.5
42999	X = 270213 Y = 1712794 Z = -71875	10 14 9	LAT. = - 2 22 24.9 LONG. = 81 2 5.3 RAD. = 1735466.8	1.0 1.2 13.8
52526	X = 243227 Y = 1713258 Z = -111499	9 15 9	LAT. = - 3 41 12.1 LONG. = 81 55 11.4 RAD. = 1734025.8	1.1 1.1 14.5
5252F	X = 243188 Y = 1713279 Z = -111565	12 17 13	LAT. = - 3 41 19.9 LONG. = 81 55 16.5 RAD. = 1734044.5	1.5 1.4 17.6
G4242	X = 256211 Y = 1710943 Z = -116090	19 34 20	LAT. = - 3 50 20.3 LONG. = 81 28 60.0 RAD. = 1733911.3	2.5 2.2 33.2

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2836	X = 263775	11	LAT. = - 5 41 55.6	1.2
	Y = 1707475	12	LONG. = 81 13 5.6	1.3
	Z = -172413	10	RAD. = 1736310.5	12.3
52511	X = 260158	9	LAT. = - 7 28 41.9	1.1
	Y = 1703306	14	LONG. = 81 18 57.3	1.1
	Z = -226181	9	RAD. = 1737840.7	14.1
G4035	X = 220682	18	LAT. = - 2 36 17.4	2.1
	Y = 1717946	33	LONG. = 82 40 48.2	2.1
	Z = 78799	17	RAD. = 1733854.0	32.7
42988	X = 235707	9	LAT. = - 2 41 9.7	1.0
	Y = 1715945	14	LONG. = 82 10 43.1	1.1
	Z = -81258	8	RAD. = 1733963.4	13.7
G4199	X = 218716	18	LAT. = - 3 8 9.0	2.1
	Y = 1717530	16	LONG. = 82 44 34.1	2.1
	Z = -94856	17	RAD. = 1733996.6	15.8
Y0773	X = 234361	10	LAT. = - 3 12 44.3	1.1
	Y = 1715521	14	LONG. = 82 13 15.0	1.2
	Z = -97176	10	RAD. = 1734180.2	14.6
G4045	X = 215693	18	LAT. = - 3 44 9.0	2.4
	Y = 1716815	33	LONG. = 82 50 20.9	2.1
	Z = -112981	19	RAD. = 1733996.2	32.5
52506	X = 229447	9	LAT. = - 5 19 27.4	1.0
	Y = 1711309	12	LONG. = 82 21 48 6	1.0
	Z = -160912	8	RAD. = 1734104.6	12.3
52386	X = 215646	11	LAT. = - 7 3 29.6	1.2
	Y = 1710169	15	LONG. = 82 48 47.3	1.3
	Z = -213423	11	RAD. = 1736873.6	15.4
42973	X = 208532	9	LAT. = - 0 59 57.4	1.0
	Y = 20700	13	LONG. = 83 5 24.0	1.1
	Z = -30233	8	RAD. = 1733553.9	13.1
K3399	X = 181661	15	LAT. = - 1 11 34.6	1.8
	Y = 1723853	14	LONG. = 83 59 3.6	1.8
	Z = -36096	15	RAD. = 1733773.8	13.7
2206	X = 210842	12	LAT. = - 1 30 45.8	1.4
	Y = 1720146	12	LONG. = 83 0 43.2	1.5
	Z = -45766	12	RAD. = 1733623.9	11.5

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT J.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42953	X = 187422 Y = 1722317 Z = -74034	8 12 8	LAT. = - 2 26 48.9 LONG. = 83 47 22.3 RAD. = 1734065.2	.9 1.0 12.3
1068	X = 202215 Y = 1719556 Z = -95934	15 22 14	LAT. = - 3 10 17.1 LONG. = 83 17 34.7 RAD. = 1734061.3	1.7 1.7 21.8
2642	X = 204900 Y = 1719120 Z = -97020	11 12 10	LAT. = - 3 12 26.8 LONG. = 83 12 11.0 RAD. = 1734004.0	1.2 1.3 11.6
42955	X = 199103 Y = 1719509 Z = -101712	8 12 8	LAT. = - 3 21 46.1 LONG. = 83 23 42.3 RAD. = 1733983.2	.9 1.0 12.4
52383	X = 193806 Y = 1714528 Z = -171029	10 16 10	LAT. = - 5 39 38.8 LONG. = 83 33 2.9 RAD. = 1733902.3	1.2 1.2 16.4
G4065	X = 208670 Y = 1712905 Z = -175839	24 41 31	LAT. = - 5 49 6.6 LONG. = 83 3 15.6 RAD. = 1734504.5	4.0 2.8 39.1
22049	X = 187312 Y = 1713849 Z = -183044	11 17 11	LAT. = - 6 3 37.5 LONG. = 83 45 45.8 RAD. = 1733744.4	1.3 1.3 17.7
52384	X = 203880 Y = 1711966 Z = -185741	9 15 9	LAT. = - 6 8 56.4 LONG. = 83 12 30.8 RAD. = 1734040.2	1.2 1.2 14.9
2834	X = 191921 Y = 1711370 Z = -201716	11 13 10	LAT. = - 6 40 51.0 LONG. = 83 36 4.7 RAD. = 1733871.4	1.2 1.3 12.5
G4013	X = 152710 Y = 1727134 Z = -411	15 23 15	LAT. = - 0 0 48.9 LONG. = 84 56 49.7 RAD. = 1733872.1	1.8 1.8 23.0
42949	X = 159279 Y = 1726502 Z = -18443	9 13 8	LAT. = - 0 36 34.0 LONG. = 84 43 44.7 RAD. = 1733932.0	1.0 1.0 12.8
N2863	X = 170818 Y = 1725284 Z = -27478	16 26 16	LAT. = - 0 54 28.9 LONG. = 84 20 44.4 RAD. = 1733937.7	1.9 1.9 25.3

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y0745	X = 180349 Y = 1724421 Z = -28174	12 17 13	LAT. = - 0 55 51.4 LONG. = 84 1 45.9 RAD. = 1734055.5	1.6 1.3 17.2
926	X = 162786 Y = 1726177 Z = -30215	12 12 12	LAT. = - 0 59 54.2 LONG. = 84 36 45.7 RAD. = 1734099.1	1.4 1.5 11.7
42951	X = 175709 Y = 1724443 Z = -43229	9 12 8	LAT. = - 1 25 43.0 LONG. = 84 10 55.3 RAD. = 1733910.3	.9 1.0 12.3
G4044	X = 180251 Y = 1721390 Z = -104330	18 33 20	LAT. = - 3 26 58.3 LONG. = 84 1 19.9 RAD. = 1733942.7	2.5 2.1 32.9
42922	X = 154 Y = 17223 Z = 8545	9 14 9	LAT. = - 3 55 11.8 LONG. = 84 53 16.1 RAD. = 1734061.9	1.1 1.1 13.9
Y0718	X = 172074 Y = 1720650 Z = -128469	10 15 10	LAT. = - 4 14 55.8 LONG. = 84 17 20.8 RAD. = 1733998.1	1.1 1.1 14.7
52381	X = 179041 Y = 1719074 Z = -141876	9 14 9	LAT. = - 4 41 33.7 LONG. = 84 3 14.8 RAD. = 1734185.7	1.1 1.1 13.8
62446	X = 161053 Y = 1715690 Z = -190254	9 13 8	LAT. = - 6 18 .9 LONG. = 84 38 14.3 RAD. = 1733703.1	1.0 1.0 12.4
Y0599	X = 162608 Y = 1714003 Z = -204973	9 15 9	LAT. = - 6 47 21.3 LONG. = 84 34 49.9 RAD. = 1733857.5	1.2 1.2 14.2
5244G	X = 166792 Y = 1713157 Z = -209257	13 22 12	LAT. = - 6 55 53.6 LONG. = 84 26 21.3 RAD. = 1733930.3	1.5 1.5 22.0
B244G	X = 166840 Y = 1713092 Z = -209317	13 24 16	LAT. = - 6 56 1.6 LONG. = 84 26 13.8 RAD. = 1733879.3	2.1 1.7 21.8
42929	X = 138938 Y = 1727068 Z = -64783	8 13 8	LAT. = - 2 8 28.6 LONG. = 85 24 2.2 RAD. = 1733857.9	.9 1.0 12.3

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2204	X = 148408	11	LAT. = - 2 19 23.0	1.2
	Y = 1726270	12	LONG. = 85 5 10.9	1.3
	Z = -70288	10	RAD. = 1734062.9	11.7
G4099	X = 138259	22	LAT. = - 2 43 56.4	2.6
	Y = 1726398	15	LONG. = 85 25 16.4	2.6
	Z = -82655	22	RAD. = 1733896.3	14.7
42920	X = 148804	9	LAT. = - 3 7 12.2	1.0
	Y = 1724856	15	LONG. = 85 4 9.4	1.1
	Z = -94370	8	RAD. = 1733832.5	14.9
G4043	X = 138320	19	LAT. = - 3 12 58.8	2.9
	Y = 1725541	43	LONG. = 85 25 1.0	2.4
	Z = -97277	23	RAD. = 1733806.7	42.1
42854	X = 128292	8	LAT. = - 4 5 35.2	.9
	Y = 1724610	12	LONG. = 85 44 44.4	1.0
	Z = -123754	8	RAD. = 1733797.6	12.0
2640	X = 133068	12	LAT. = - 4 11 42.8	1.3
	Y = 1724058	12	LONG. = 85 35 11.4	1.4
	Z = -126838	11	RAD. = 1733831.7	11.5
1066	X = 133100	12	LAT. = - 4 15 40.4	1.4
	Y = 1723886	12	LONG. = 85 35 6.0	1.5
	Z = -128829	12	RAD. = 1733809.7	12.3
X0266	X = 144644	10	LAT. = - 5 10 56.3	1.1
	Y = 1721097	15	LONG. = 85 11 45.8	1.2
	Z = -156646	9	RAD. = 1734253.0	14.9
G4063	X = 127085	23	LAT. = - 5 19 16.4	3.9
	Y = 1722194	41	LONG. = 85 46 46.7	2.7
	Z = -160842	30	RAD. = 1734350.9	39.1
B2641	X = 142691	10	LAT. = - 5 29 54.3	1.1
	Y = 1720091	14	LONG. = 85 15 28.3	1.1
	Z = -166147	9	RAD. = 1733977.7	14.4
2832	X = 120275	11	LAT. = - 7 37 16.7	1.2
	Y = 1715282	13	LONG. = 85 59 20.5	1.3
	Z = -230080	10	RAD. = 1734818.9	12.6
Z1894	X = 131932	11	LAT. = - 7 44 22.0	1.3
	Y = 1713185	18	LONG. = 85 35 46.8	1.3
	Z = -233522	11	RAD. = 1734053.2	17.6

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G4022	X = 97081	14	LAT. = - 0 31 11.0	1.7
	Y = 1730819	21	LONG. = 86 47 22.7	1.7
	Z = -15725	14	RAD. = 1733610.4	20.8
X0268	X = 113821	12	LAT. = - 0 31 14.6	1.5
	Y = 1729830	18	LONG. = 86 14 7.5	1.4
	Z = -15756	13	RAD. = 1733642.1	18.6
K3299	X = 107355	15	LAT. = - 0 45 48.3	1.8
	Y = 1730264	14	LONG. = 86 26 58.6	1.8
	Z = -23100	15	RAD. = 1733744.8	13.6
42849	X = 95821	9	LAT. = - 1 59 9.3	1.0
	Y = 1730155	13	LONG. = 86 49 48.1	1.1
	Z = -60084	9	RAD. = 1733848.1	13.5
924	X = 94013	12	LAT. = - 2 4 26.9	1.4
	Y = 1730205	12	LONG. = 86 53 23.4	1.4
	Z = -62754	12	RAD. = 1733893.1	11.7
42851	X = 102960	8	LAT. = - 2 28 40.2	.9
	Y = 1729064	12	LONG. = 86 35 32.1	.9
	Z = -74955	8	RAD. = 1733747.9	12.0
G4042	X = 96846	18	LAT. = - 2 58 51.0	2.5
	Y = 1728708	33	LONG. = 86 47 36.7	2.1
	Z = -90159	20	RAD. = 1733764.2	32.8
2202	X = 92805	11	LAT. = - 3 6 19.8	1.2
	Y = 1729059	12	LONG. = 86 55 39.6	1.3
	Z = -93944	10	RAD. = 1734094.9	12.1
42853	X = 119651	8	LAT. = - 3 33 59.2	.9
	Y = 1726288	12	LONG. = 86 2 6.3	1.0
	Z = -107852	8	RAD. = 1733787.0	12.0
X0244	X = 105685	11	LAT. = - 5 31 8.5	1.7
	Y = 1722653	20	LONG. = 86 29 21.4	1.3
	Z = -166763	13	RAD. = 1733929.6	18.8
X02D4	X = 105691	11	LAT. = - 5 31 24.5	1.6
	Y = 1722602	17	LONG. = 86 29 20.4	1.3
	Z = -166893	14	RAD. = 1733891.9	17.7
B261J	X = 110007	22	LAT. = - 5 58 25.5	2.7
	Y = 1721298	37	LONG. = 86 20 35.6	2.9
	Z = -180486	20	RAD. = 1734227.3	34.1

A-422

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
62289	X = 92148 Y = 1718413 Z = -213328	9 13 8	LAT. = - 7 3 59.7 LONG. = 86 55 49.9 RAD. = 1734054.1	1.0 1.0 12.7
B229K	X = 95445 Y = 1717094 Z = -226116	10 16 10	LAT. = - 7 29 25.5 LONG. = 86 49 6.5 RAD. = 1734546.3	1.3 1.2 16.0
6229K	X = 95444 Y = 1717103 Z = -226136	14 21 17	LAT. = - 7 29 27.7 LONG. = 86 49 6.7 RAD. = 1734557.6	1.9 1.6 22.5
Y0555	X = 95370 Y = 1716558 Z = -233182	9 14 9	LAT. = - 7 43 26.7 LONG. = 86 49 11.9 RAD. = 1734946.7	1.2 1.1 14.0
V3444	X = 64028 Y = 1732458 Z = -3453	11 19 16	LAT. = - 0 6 50.9 LONG. = 87 53 .4 RAD. = 1733644.7	1.9 1.3 19.2
V344D	X = 63975 Y = 1732458 Z = -3913	15 38 41	LAT. = - 0 7 45.5 LONG. = 87 53 6.7 RAD. = 1733643.4	4.8 1.8 38.3
42847	X = 83400 Y = 1731542 Z = -18252	9 14 9	LAT. = - 0 36 11.6 LONG. = 87 14 33.0 RAD. = 1733645.0	1.0 1.0 13.9
42838	X = 75863 Y = 1730693 Z = -71695	8 12 8	LAT. = - 2 22 11.6 LONG. = 87 29 24.4 RAD. = 1733837.7	.9 .9 12.4
42829	X = 73909 Y = 1730284 Z = -83497	8 13 8	LAT. = - 2 45 36.8 LONG. = 87 33 14.8 RAD. = 1733873.6	.9 1.0 12.8
2638	X = 61938 Y = 1725500 Z = -158507	11 11 11	LAT. = - 5 14 42.7 LONG. = 87 56 39. RAD. = 1733871.6	1.4 1.4 11.3
1064	X = 64574 Y = 1724870 Z = -163287	12 22 12	LAT. = - 5 24 14.8 LONG. = 87 51 21.7 RAD. = 1733784.2	1.4 1.5 22.1
42811	X = 61640 Y = 1724934 Z = -165342	8 12 8	LAT. = - 5 28 18.5 LONG. = 87 57 12.3 RAD. = 1733936.5	1.0 1.0 12.4

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

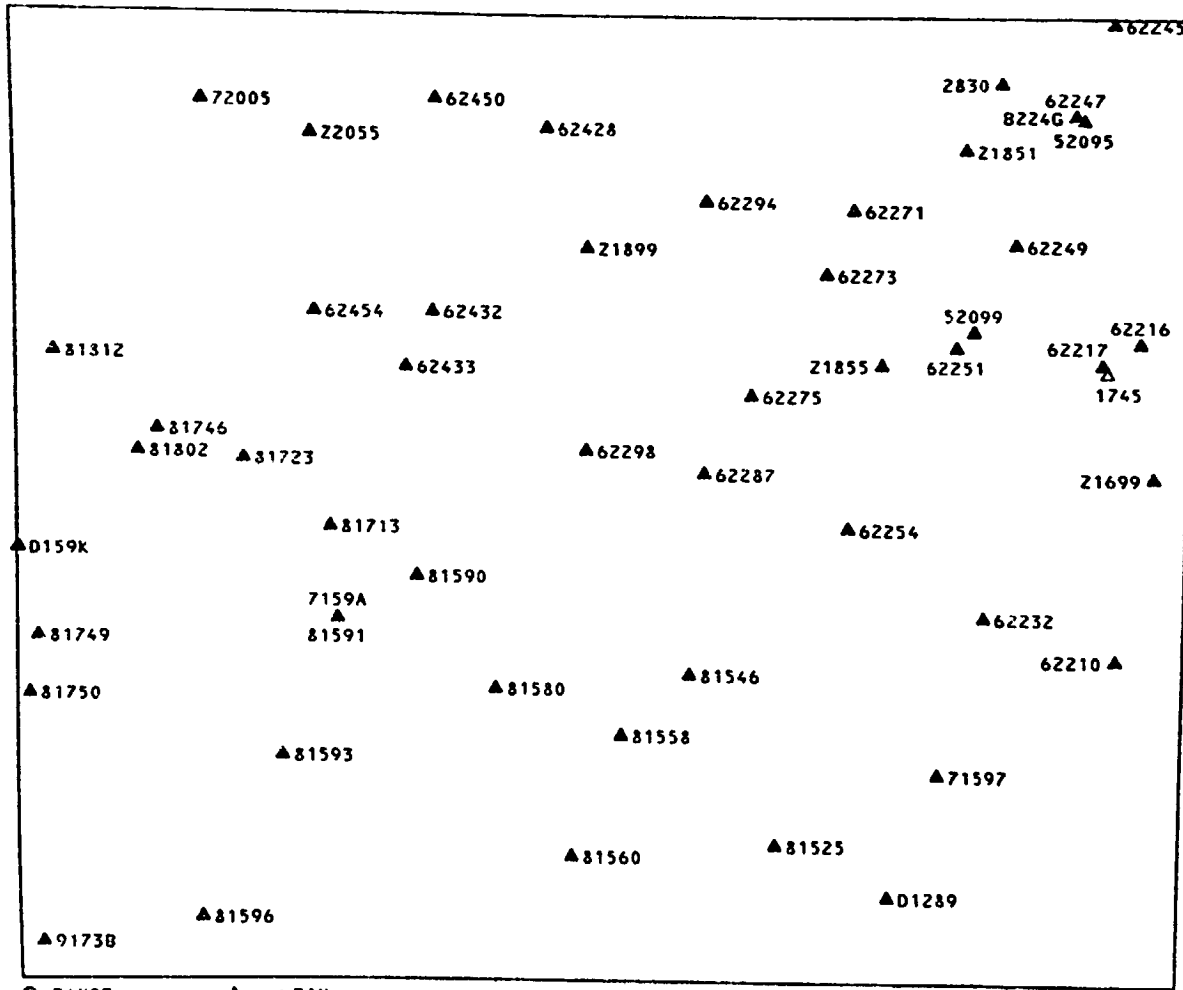
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
X0211	X = 69186 Y = 1722630 Z = -185604	9 16 9	LAT. = - 6 8 40.8 LONG. = 87 42 .3 RAD. = 1733980.5	1.2 1.1 15.3
42835	X = 43221 Y = 1733132 Z = -6218	8 12 8	LAT. = - 0 12 19.8 LONG. = 88 34 17.3 RAD. = 1733681.9	.9 1.0 12.4
K3199	X = 32534 Y = 1733367 Z = -11374	14 13 14	LAT. = - 0 22 33.2 LONG. = 88 55 29.0 RAD. = 1733709.3	1.7 1.7 12.8
516	X = 39220 Y = 1733176 Z = -18647	12 12 12	LAT. = - 0 36 58.6 LONG. = 88 42 13.2 RAD. = 1733720.4	1.4 1.4 11.5
42826	X = 55183 Y = 1732450 Z = -38031	8 14 8	LAT. = - 1 15 25.0 LONG. = 88 10 32.2 RAD. = 1733746.3	1.0 1.0 13.6
G3835	X = 60080 Y = 1731748 Z = -58560	18 32 17	LAT. = - 1 56 8.1 LONG. = 88 0 46.9 RAD. = 1733779.5	2.1 2.1 32.3
G3999	X = 57283 Y = 1731514 Z = -70198	17 14 17	LAT. = - 2 19 13.1 LONG. = 88 6 18.7 RAD. = 1733883.0	2.0 2.1 13.9
B280E	X = 32441 Y = 1731245 Z = -87325	14 22 18	LAT. = - 2 53 13.5 LONG. = 88 55 35.4 RAD. = 1733749.9	2.1 1.6 22.3
42805	X = 32490 Y = 1731306 Z = -87386	8 12 8	LAT. = - 2 53 20.3 LONG. = 88 55 29.7 RAD. = 1733814.4	1.0 1.0 12.5
G3845	X = 54893 Y = 1730960 Z = -90210	18 32 19	LAT. = - 2 58 54.5 LONG. = 88 11 1.0 RAD. = 1734178.1	2.4 2.1 32.0
B280G	X = 32159 Y = 1730192 Z = -108008	14 22 16	LAT. = - 3 34 17. LONG. = 88 56 6.6 RAD. = 1733857.7	1.8 1.6 22.3
42807	X = 32199 Y = 1730243 Z = -108056	9 13 9	LAT. = - 3 34 22.6 LONG. = 88 56 1.9 RAD. = 1733913.0	1.0 1.0 13.4

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2200	X = 38503	12	LAT. = - 3 53 45.4	1.4
	Y = 1729362	14	LONG. = 88 43 28.5	1.4
	Z = -117802	11	RAD. = 1733797.6	14.3
42809	X = 51451	8	LAT. = - 4 35 59.2	.9
	Y = 1727477	12	LONG. = 88 17 38.4	1.0
	Z = -139044	8	RAD. = 1733827.6	12.4
G3865	X = 48532	23	LAT. = - 5 4 5.1	4.1
	Y = 1726383	41	LONG. = 88 23 23.1	2.7
	Z = -153166	32	RAD. = 1733843.7	39.3
Y0522	X = 51363	9	LAT. = - 7 58 59.2	1.1
	Y = 1717281	14	LONG. = 88 17 12.6	1.1
	Z = -240940	9	RAD. = 1734861.2	14.2
G3824	X = 29359	14	LAT. = - 0 8 42.6	1.7
	Y = 1733387	21	LONG. = 89 1 46.8	1.7
	Z = -4392	14	RAD. = 1733641.2	20.6
42803	X = 7001	9	LAT. = - 1 38 57.0	1.1
	Y = 1733113	16	LONG. = 89 46 6.8	1.1
	Z = -49899	9	RAD. = 1733845.4	16.3
4280C	X = 6991	14	LAT. = - 1 39 5.7	2.4
	Y = 1733091	29	LONG. = 89 46 8.0	1.7
	Z = -49972	21	RAD. = 1733825.6	29.3
G3844	X = 16190	18	LAT. = - 2 40 40.9	2.5
	Y = 1731819	33	LONG. = 89 27 51.8	2.1
	Z = -81009	20	RAD. = 1733788.6	32.6
922	X = 25997	12	LAT. = - 3 12 17.9	1.4
	Y = 1730687	12	LONG. = 89 0 21.8	1.4
	Z = -96922	12	RAD. = 1733594.2	11.7
42682	X = 1964	8	LAT. = - 3 27 17.0	1.0
	Y = 1730800	13	LONG. = 89 56 5.9	1.0
	Z = -104487	9	RAD. = 1733951.9	13.4
42684	X = 12072	8	LAT. = - 4 10 52.5	1.0
	Y = 1729107	13	LONG. = 89 30 0.0	1.0
	Z = -126412	8	RAD. = 1733763.7	13.0
42686	X = 21682	9	LAT. = - 5 4 3.5	1.1
	Y = 1726886	15	LONG. = 89 16 50.3	1.1
	Z = -153149	9	RAD. = 1733798.9	15.0

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
21845	X = 23996	11	LAT. = - 6 17 2.2	1.6
	Y = 1723147	17	LONG. = 89 12 7.8	1.3
	Z = -189767	15	RAD. = 1733730.8	17.8
B2452	X = 12454	9	LAT. = - 7 36 3.2	1.1
	Y = 1719056	15	LONG. = 89 35 5.7	1.1
	Z = -229404	9	RAD. = 1734370.3	14.5
52093	X = 15419	10	LAT. = - 7 57 3.0	1.2
	Y = 1717512	15	LONG. = 89 29 8.2	1.2
	Z = -239887	10	RAD. = 1734252.4	15.0



○ RANGE
OBSERVATION

▲ ◦ < 30M
△ ◦ < 100M
▽ ◦ > 100M

MAP SHEET 81C

7-6

TERRAIN POINTS ON MAP SHEET 81C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81812	X = 286859	11	LAT. = -10 43 30.3	1.3
	Y = 1682046	16	LONG. = 80 19 18.4	1.4
	Z = -325760	11	RAD. = 1737149.2	15.8
D159K	X = 293780	15	LAT. = -12 26 26.7	2.0
	Y = 1667541	21	LONG. = 80 0 30.3	1.8
	Z = -373542	20	RAD. = 1733935.9	23.4
81749	X = 288051	12	LAT. = -13 10 6.4	1.4
	Y = 1663794	17	LONG. = 80 10 40.0	1.4
	Z = -395064	13	RAD. = 1734144.6	18.4
81750	X = 289675	14	LAT. = -13 38 41.5	1.6
	Y = 1660258	23	LONG. = 80 6 10.4	1.7
	Z = -409123	14	RAD. = 1734287.0	23.3
9173B	X = 284986	15	LAT. = -15 41 44.2	2.2
	Y = 1649583	18	LONG. = 80 11 53.5	1.8
	Z = -470407	21	RAD. = 1738857.2	21.4
72005	X = 251060	12	LAT. = - 8 43 5.9	1.4
	Y = 1699173	18	LONG. = 81 35 42.4	1.5
	Z = -263395	11	RAD. = 1737698.5	17.0
81746	X = 260608	12	LAT. = -11 26 42.7	1.4
	Y = 1683160	16	LONG. = 81 11 55.0	1.4
	Z = -344827	12	RAD. = 1737771.5	16.0
81802	X = 265295	15	LAT. = -11 37 35.5	1.9
	Y = 1681396	20	LONG. = 81 2 1.2	1.7
	Z = -350232	19	RAD. = 1737854.3	22.5
81723	X = 238708	12	LAT. = -11 40 56.6	1.4
	Y = 1684070	18	LONG. = 81 55 56.5	1.5
	Z = -351695	12	RAD. = 1736882.6	17.7
81596	X = 245546	11	LAT. = -15 29 23.3	1.4
	Y = 1656417	18	LONG. = 81 34 4.5	1.4
	Z = -464064	12	RAD. = 1737632.6	18.0
Z2055	X = 223771	11	LAT. = - 8 59 5.1	1.6
	Y = 1701992	19	LONG. = 82 30 35.7	1.4
	Z = -271420	12	RAD. = 1737964.2	17.2
62454	X = 221931	13	LAT. = -10 27 21.3	1.9
	Y = 1694132	24	LONG. = 82 32 12.3	1.7
	Z = -315312	14	RAD. = 1737457.7	21.8

TERRAIN POINTS ON MAP SHEET 81C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81713	X = 216553 Y = 1683647 Z = -368384	12 18 12	LAT. = -12 14 38.8 LONG. = 82 40 14.8 RAD. = 1737028.5	1.5 1.5 17.2
7159A	X = 214015 Y = 1678446 Z = -390817	13 24 15	LAT. = -13 0 20.8 LONG. = 82 44 .8 RAD. = 1736583.2	2.1 1.7 21.6
81591	X = 214029 Y = 1678369 Z = -390859	12 17 15	LAT. = -13 0 27.7 LONG. = 82 43 57.8 RAD. = 1736520.1	1.6 1.4 18.2
81593	X = 226814 Y = 1668781 Z = -424529	13 22 15	LAT. = -14 8 53.5 LONG. = 82 15 36.0 RAD. = 1736807.4	1.6 1.6 22.8
62450	X = 192470 Y = 1707962 Z = -262878	10 14 9	LAT. = - 8 41 44.7 LONG. = 83 34 13.7 RAD. = 1738759.1	1.1 1.2 14.0
62432	X = 191858 Y = 1697967 Z = -315412	12 23 11	LAT. = -10 27 29.4 LONG. = 83 33 12.0 RAD. = 1737637.8	1.4 1.6 22.0
62433	X = 198357 Y = 1694599 Z = -329050	11 19 11	LAT. = -10 54 57.5 LONG. = 83 19 25.6 RAD. = 1737608.9	1.4 1.4 18.1
81590	X = 194245 Y = 1683125 Z = -380470	11 16 12	LAT. = -12 39 22.8 LONG. = 83 25 .4 RAD. = 1736490.5	1.4 1.4 16.3
62428	X = 163691 Y = 1707588 Z = -269707	9 14 9	LAT. = - 8 56 6.7 LONG. = 84 31 27.5 RAD. = 1736488.3	1.1 1.1 13.9
21899	X = 152886 Y = 1705648 Z = -299755	11 18 12	LAT. = - 9 55 42.7 LONG. = 84 52 40.7 RAD. = 1738522.8	1.6 1.4 17.1
62298	X = 151832 Y = 1694137 Z = -349394	12 23 12	LAT. = -11 36 28.3 LONG. = 84 52 43.3 RAD. = 1736441.2	1.5 1.5 21.6
81580	X = 173445 Y = 1678832 Z = -407864	12 18 12	LAT. = -13 35 8.0 LONG. = 84 6 5.6 RAD. = 1736350.6	1.5 1.4 17.9

TERRAIN POINTS ON MAP SHEET 81C (CONTINUED)

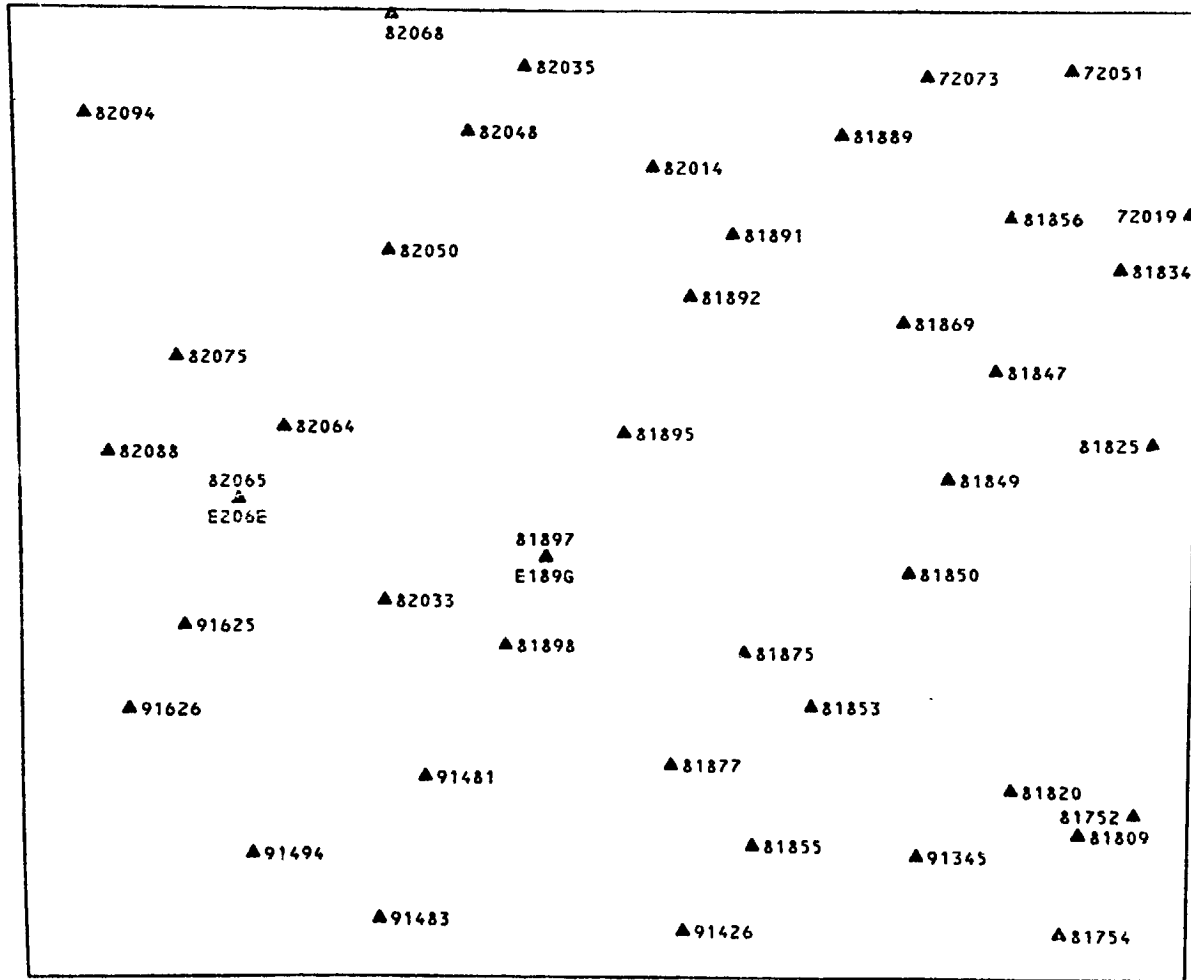
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81560	X = 153018	11	LAT. = -14 58 20.7	1.5
	Y = 1670502	17	LONG. = 84 45 58.7	1.4
	Z = -448618	14	RAD. = 1736446.9	18.0
62294	X = 122741	9	LAT. = - 9 32 16.1	1.1
	Y = 1710285	14	LONG. = 85 53 42.4	1.1
	Z = -288103	9	RAD. = 1738719.4	13.7
62287	X = 121727	10	LAT. = -11 47 39.4	1.3
	Y = 1696881	17	LONG. = 85 53 48.8	1.3
	Z = -355231	11	RAD. = 1737933.2	16.6
81546	X = 124243	11	LAT. = -13 27 49.4	1.4
	Y = 1684100	16	LONG. = 85 46 50.5	1.4
	Z = -404285	12	RAD. = 1736397.6	16.4
81558	X = 141232	10	LAT. = -13 58 15.1	1.4
	Y = 1679477	14	LONG. = 85 11 35.3	1.3
	Z = -419308	12	RAD. = 1736781.6	14.5
62273	X = 91840	10	LAT. = -10 8 18.4	1.2
	Y = 1707951	16	LONG. = 86 55 19.3	1.2
	Z = -305856	10	RAD. = 1737550.0	15.6
62275	X = 110299	11	LAT. = -11 8 46.5	1.3
	Y = 1701234	20	LONG. = 86 17 25.6	1.4
	Z = -335899	11	RAD. = 1737581.7	19.5
81525	X = 101570	11	LAT. = -14 52 14.7	1.4
	Y = 1675232	16	LONG. = 86 31 49.4	1.3
	Z = -445646	12	RAD. = 1736467.4	15.8
62271	X = 85179	10	LAT. = - 9 36 14.5	1.3
	Y = 1709948	16	LONG. = 87 8 53.6	1.2
	Z = -289699	12	RAD. = 1736405.4	16.9
21855	X = 77370	11	LAT. = -10 53 23.3	1.6
	Y = 1705187	18	LONG. = 87 24 7.4	1.4
	Z = -328390	12	RAD. = 1738243.4	17.1
62254	X = 85010	11	LAT. = -12 14 53.3	1.4
	Y = 1695201	19	LONG. = 87 7 45.1	1.3
	Z = -368469	11	RAD. = 1736865.6	18.0
71597	X = 61074	12	LAT. = -14 16 50.6	1.5
	Y = 1681911	18	LONG. = 87 55 13.4	1.5
	Z = -428394	14	RAD. = 1736685.0	18.6

TERRAIN POINTS ON MAP SHEET 81C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D1289	X = 72847 Y = 1673260 Z = -457985	11 15 12	LAT. = -15 17 37.0 LONG. = 87 30 25.8 RAD. = 1736334.3	1.5 1.4 15.5
2830	X = 48183 Y = 1717558 Z = -258169	10 17 11	LAT. = - 8 32 41.7 LONG. = 88 23 35.1 RAD. = 1737520.6	1.2 1.3 17.0
Z1851	X = 57028 Y = 1714854 Z = -274863	10 17 10	LAT. = - 9 6 4.2 LONG. = 88 5 43.1 RAD. = 1737678.1	1.3 1.3 17.0
62249	X = 44063 Y = 1712804 Z = -298525	9 15 10	LAT. = - 9 53 .9 LONG. = 88 31 34.9 RAD. = 1739182.8	1.1 1.1 15.2
52099	X = 54181 Y = 1706982 Z = -319922	14 23 15	LAT. = -10 36 36.0 LONG. = 88 10 55.2 RAD. = 1737548.5	2.0 1.7 21.6
62251	X = 58543 Y = 1706120 Z = -323831	9 15 10	LAT. = -10 44 27.7 LONG. = 88 2 5.1 RAD. = 1737567.1	1.2 1.1 14.8
62232	X = 50223 Y = 1691165 Z = -389843	10 18 11	LAT. = -12 58 31.4 LONG. = 88 17 56.3 RAD. = 1736243.0	1.4 1.3 17.7
62245	X = 20373 Y = 1717075 Z = -242855	8 12 8	LAT. = - 8 2 58.9 LONG. = 89 19 12.8 RAD. = 1734284.1	1.0 1.0 12.2
62247	X = 29499 Y = 1715564 Z = -266048	10 19 12	LAT. = - 8 48 50.0 LONG. = 89 0 53.6 RAD. = 1736320.9	1.3 1.2 19.6
B2246	X = 29501 Y = 1715517 Z = -266060	13 23 15	LAT. = - 8 48 52.2 LONG. = 89 0 53.3 RAD. = 1736276.8	2.0 1.6 21.5
52095	X = 27427 Y = 1715426 Z = -267081	12 22 12	LAT. = - 8 50 54.3 LONG. = 89 5 2.5 RAD. = 1736309.8	1.5 1.5 21.5
62216	X = 12104 Y = 1707907 Z = -322506	11 17 13	LAT. = -10 41 34.9 LONG. = 89 35 38.2 RAD. = 1738132.4	1.4 1.3 18.0

TERRAIN POINTS ON MAP SHEET 81C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
62217	X = 21602	9	LAT. = -10 52 25.5	1.1
	Y = 1706699	14	LONG. = 89 16 29.5	1.1
	Z = -327874	10	RAD. = 1738042.2	14.5
1745	X = 20421	12	LAT. = -10 56 37.0	1.5
	Y = 1706523	35	LONG. = 89 18 51.9	1.4
	Z = -329996	14	RAD. = 1738256.2	35.4
21699	X = 8230	11	LAT. = -11 48 38.9	1.7
	Y = 1699353	19	LONG. = 89 43 21.1	1.4
	Z = -355352	12	RAD. = 1736128.5	17.3
62210	X = 16979	10	LAT. = -13 19 14.9	1.4
	Y = 1689183	18	LONG. = 89 25 26.8	1.2
	Z = -399974	11	RAD. = 1735974.8	17.7



○ RANGE
OBSERVATION

▲ ◦ < 30M
▲ ◦ < 100M
▼ ◦ > 100M

MAP SHEET 81D

TERRAIN POINTS ON MAP SHEET 81D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82094	X = 569666 Y = 1618090 Z = -267513	14 19 13	LAT. = - 8 51 48.8 LONG. = 70 36 17.4 RAD. = 1736172.8	1.4 1.6 19.7
82088	X = 560558 Y = 1605982 Z = -350872	13 16 11	LAT. = -11 39 18.5 LONG. = 70 45 31.6 RAD. = 1736812.0	1.3 1.5 15.6
91626	X = 551513 Y = 1594055 Z = -413911	13 18 11	LAT. = -13 47 14.1 LONG. = 70 54 55.2 RAD. = 1736807.6	1.4 1.7 16.9
82075	X = 545768 Y = 1616881 Z = -327546	15 29 13	LAT. = -10 51 54.6 LONG. = 71 20 53.6 RAD. = 1737656.9	1.6 1.8 28.8
82065	X = 528747 Y = 1613929 Z = -362330	14 25 14	LAT. = -12 2 35.4 LONG. = 71 51 37.6 RAD. = 1736554.7	1.9 2.0 22.9
E206E	X = 528764 Y = 1613893 Z = -362340	19 20 19	LAT. = -12 2 37.4 LONG. = 71 51 34.3 RAD. = 1736529.3	2.1 2.1 23.1
91625	X = 539670 Y = 1602581 Z = -393386	14 17 12	LAT. = -13 5 45.7 LONG. = 71 23 20.5 RAD. = 1736163.6	1.4 1.7 17.7
91494	X = 519587 Y = 1594953 Z = -448948	14 20 12	LAT. = -14 58 59.9 LONG. = 71 57 21.5 RAD. = 1736490.8	1.4 1.7 20.6
82064	X = 518800 Y = 1621370 Z = -344627	12 17 11	LAT. = -11 26 39.9 LONG. = 72 15 23.6 RAD. = 1736882.6	1.3 1.5 16.4
82068	X = 497679 Y = 1648036 Z = -243169	14 18 13	LAT. = - 8 2 23.6 LONG. = 73 11 47.6 RAD. = 1738631.1	1.5 1.7 17.2
82048	X = 477727 Y = 1647993 Z = -271723	16 18 14	LAT. = - 8 57 55.4 LONG. = 73 50 2.3 RAD. = 1737221.4	1.5 1.7 19.4
82050	X = 495578 Y = 1636960 Z = -301087	15 22 14	LAT. = - 9 59 2.6 LONG. = 73 9 24.1 RAD. = 1736631.4	1.5 1.7 23.3

TERRAIN POINTS ON MAP SHEET 81D (CONTINUED)

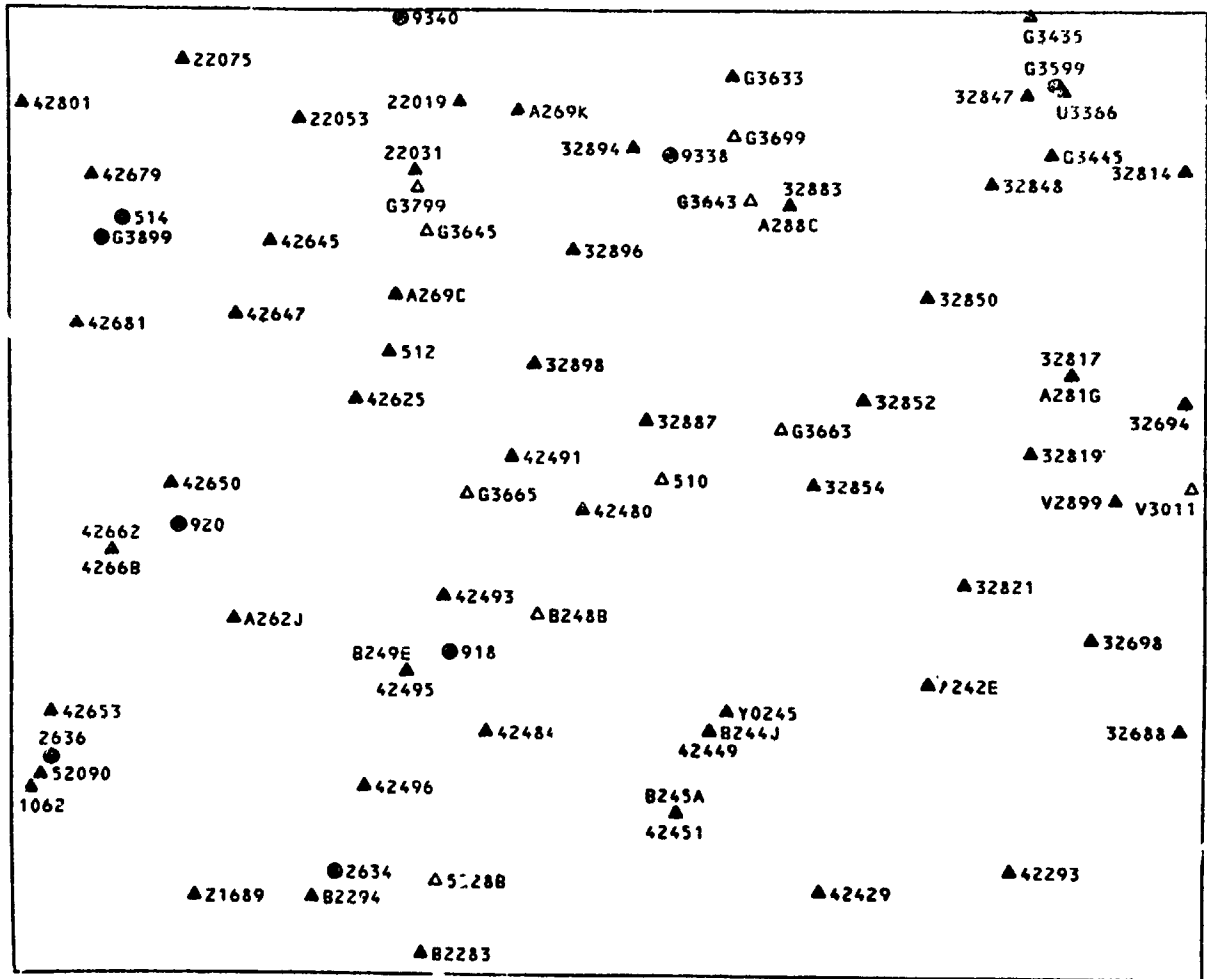
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82033	X = 492161	12	LAT. = -12 53 16.8	1.3
	Y = 1619888	16	LONG. = 73 5 59.8	1.5
	Z = -387376	11	RAD. = 1756755.9	15.6
91481	X = 479635	13	LAT. = -14 21 2.1	1.4
	Y = 1613361	16	LONG. = 73 26 36.1	1.6
	Z = -430612	12	RAD. = 1737357.6	16.4
91483	X = 488129	15	LAT. = -15 31 21.3	1.6
	Y = 1600235	22	LONG. = 73 2 11.1	1.9
	Z = -464681	14	RAD. = 1736361.3	21.6
82035	X = 464636	13	LAT. = - 8 27 42.4	1.3
	Y = 1654874	16	LONG. = 74 19 1.1	1.5
	Z = -255714	11	RAD. = 1737781.4	15.9
81897	X = 453608	12	LAT. = -12 31 31.0	1.4
	Y = 1634960	18	LONG. = 74 29 37.3	1.5
	Z = -376939	11	RAD. = 1738084.9	18.1
E189G	X = 453690	17	LAT. = -12 31 49.5	2.1
	Y = 1634905	19	LONG. = 74 29 26.0	1.9
	Z = -377091	20	RAD. = 1738087.2	22.5
81898	X = 461934	12	LAT. = -13 15 29.8	1.2
	Y = 1626286	15	LONG. = 74 8 35.6	1.4
	Z = -398346	10	RAD. = 1736913.5	14.7
82014	X = 432486	14	LAT. = - 9 17 39.6	1.5
	Y = 1660518	19	LONG. = 75 24 5.4	1.7
	Z = -280818	13	RAD. = 1738741.5	19.8
81892	X = 420798	13	LAT. = -10 21 57.4	1.5
	Y = 1653741	17	LONG. = 75 43 26.1	1.5
	Z = -312141	13	RAD. = 1734751.3	18.6
81895	X = 436226	14	LAT. = -11 29 55.1	1.5
	Y = 1646949	22	LONG. = 75 9 53.2	1.7
	Z = -346588	13	RAD. = 1738636.8	22.5
81877	X = 419589	13	LAT. = -14 14 44.1	1.4
	Y = 1630462	16	LONG. = 75 34 6.4	1.5
	Z = -427438	12	RAD. = 1736998.7	16.0
91426	X = 413985	12	LAT. = -15 36 56.2	1.4
	Y = 1620934	16	LONG. = 75 40 22.7	1.5
	Z = -467591	11	RAD. = 1737081.8	15.8

TERRAIN POINTS ON MAP SHEET 81D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81891	X = 411439	14	LAT. = - 9 50 58.9	1.8
	Y = 1660627	18	LONG. = 76 5 4.4	1.6
	Z = -297042	16	RAD. = 1736433.0	19.9
81875	X = 403328	13	LAT. = -13 19 .9	1.3
	Y = 1641573	17	LONG. = 76 11 45.9	1.5
	Z = -400119	12	RAD. = 1737104.5	17.8
81853	X = 386091	12	LAT. = -13 45 43.2	1.3
	Y = 1642425	17	LONG. = 76 46 17.2	1.4
	Z = -413228	11	RAD. = 1737061.8	16.5
81855	X = 398416	11	LAT. = -14 54 34.8	1.3
	Y = 1630653	15	LONG. = 76 16 11.9	1.4
	Z = -446949	11	RAD. = 1737103.6	14.5
72073	X = 365386	12	LAT. = - 8 32 40.7	1.5
	Y = 1679389	20	LONG. = 77 43 31.4	1.5
	Z = -258227	12	RAD. = 1737969.4	19.0
81889	X = 385898	13	LAT. = - 9 1 47.9	1.5
	Y = 1672007	17	LONG. = 77 0 13.5	1.6
	Z = -272702	13	RAD. = 1737495.3	17.3
81869	X = 369042	13	LAT. = -10 34 43.7	1.5
	Y = 1669822	17	LONG. = 77 32 15.3	1.6
	Z = -319384	12	RAD. = 1739684.8	16.7
81849	X = 355628	12	LAT. = -11 52 28.5	1.4
	Y = 1663070	17	LONG. = 77 55 47.2	1.5
	Z = -357599	13	RAD. = 1737857.5	17.8
81850	X = 364009	12	LAT. = -12 39 7.4	1.4
	Y = 1655847	19	LONG. = 77 36 6.2	1.5
	Z = -380582	13	RAD. = 1737577.5	19.2
91345	X = 357622	16	LAT. = -14 59 36.4	2.1
	Y = 1638768	19	LONG. = 77 41 22.4	1.8
	Z = -449235	20	RAD. = 1736452.4	22.3
72051	X = 329767	11	LAT. = - 8 29 34.3	1.3
	Y = 1685512	19	LONG. = 78 55 48.1	1.4
	Z = -256459	11	RAD. = 1736510.1	18.6
81856	X = 343302	12	LAT. = - 9 42 23.6	1.3
	Y = 1678433	16	LONG. = 78 26 25.2	1.4
	Z = -293041	11	RAD. = 1738063.7	15.6

TERRAIN POINTS ON MAP SHEET 81D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81847	X = 345309	11	LAT. = -10 58 42.2	1.3
	Y = 1670303	15	LONG. = 78 19 10.4	1.4
	Z = -330872	11	RAD. = 1737419.9	15.2
81820	X = 335709	12	LAT. = -14 27 .4	1.4
	Y = 1648035	17	LONG. = 78 29 10.4	1.5
	Z = -433402	12	RAD. = 1736823.8	17.8
81754	X = 321419	11	LAT. = -15 37 58.6	1.3
	Y = 1641161	16	LONG. = 78 55 8.3	1.4
	Z = -467963	11	RAD. = 1736579.8	15.8
72019	X = 299379	11	LAT. = - 9 40 31.8	1.5
	Y = 1686175	20	LONG. = 79 55 55.6	1.4
	Z = -291977	12	RAD. = 1737257.9	18.8
81834	X = 315967	12	LAT. = -10 8 1.2	1.4
	Y = 1680795	16	LONG. = 79 21 12.3	1.4
	Z = -305677	12	RAD. = 1737338.9	16.0
81825	X = 305738	12	LAT. = -11 34 48.8	1.5
	Y = 1673472	18	LONG. = 79 38 47.1	1.5
	Z = -348589	13	RAD. = 1736519.1	18.5
81752	X = 305241	11	LAT. = -14 38 47.1	1.3
	Y = 1652821	16	LONG. = 79 32 11.7	1.4
	Z = -439262	11	RAD. = 1737222.2	15.8
81809	X = 318416	11	LAT. = -14 48 50.5	1.3
	Y = 1648323	15	LONG. = 79 3 59.5	1.4
	Z = -443997	11	RAD. = 1736516.3	15.2



○ RANGE
 OBSERVATION

▲ ○ < 30M
 ▲ △ ○ < 100:1
 ▼ ○ > 100H

MAP SHEET 82A

TERRAIN POINTS ON MAP SHEET 82A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42801	X = -3292 Y = 1733555 Z = -23830	8 12 8	LAT. = - 0 47 15.2 LONG. = 90 6 31.7 RAD. = 1733721.6	.9 .9 11.5
42679	X = -20892 Y = 1733110 Z = -41694	9 16 10	LAT. = - 1 22 40.9 LONG. = 90 41 26.3 RAD. = 1733737.1	1.1 1.1 16.0
514	X = -28746 Y = 1732723 Z = -52424	12 11 12	LAT. = - 1 43 57.8 LONG. = 90 57 1.7 RAD. = 1733753.9	1.4 1.4 11.0
G3899	X = -23495 Y = 1732639 Z = -57418	17 14 17	LAT. = - 1 53 52.3 LONG. = 90 46 36.8 RAD. = 1733749.1	2.0 2.1 13.8
42681	X = -17088 Y = 1732005 Z = -79054	9 16 9	LAT. = - 2 36 47.6 LONG. = 90 33 55.0 RAD. = 1733892.3	1.1 1.1 16.0
42662	X = -25672 Y = 1728272 Z = -135884	8 13 9	LAT. = - 4 29 42.3 LONG. = 90 51 3.6 RAD. = 1733795.6	1.0 1.0 12.7
4266B	X = -25655 Y = 1728217 Z = -135889	12 22 12	LAT. = - 4 29 43.4 LONG. = 90 51 1.8 RAD. = 1733741.4	1.4 1.5 21.8
42653	X = -10026 Y = 1725425 Z = -176484	8 12 8	LAT. = - 5 50 24.3 LONG. = 90 19 58.6 RAD. = 1734455.9	1.0 1.0 12.5
2636	X = -10130 Y = 1724635 Z = -187631	10 11 10	LAT. = - 6 12 32.2 LONG. = 90 20 11.6 RAD. = 1734841.0	1.2 1.2 11.3
52090	X = -7439 Y = 1724238 Z = -192033	8 13 9	LAT. = - 6 21 17.8 LONG. = 90 14 49.9 RAD. = 1734914.5	1.0 1.0 13.4
1062	X = -4929 Y = 1723680 Z = -195354	12 22 12	LAT. = - 6 27 57.6 LONG. = 90 9 49.8 RAD. = 1734722.1	1.4 1.4 21.7
22075	X = -44025 Y = 1733113 Z = -12671	8 14 8	LAT. = - 0 25 7.6 LONG. = 91 27 18.5 RAD. = 1733718.3	1.0 1.0 13.7

TERRAIN POINTS ON MAP SHEET 82A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42647	X = -57433 Y = 1731434 Z = -76559	9 15 9	LAT. = - 2 31 49.5 LONG. = 91 53 59.5 RAD. = 1734077.5	1.1 1.1 15.4
42650	X = -40829 Y = 1729540 Z = -119098	8 12 8	LAT. = - 3 56 17.3 LONG. = 91 21 8.4 RAD. = 1734116.4	1.0 .9 12.2
920	X = -42655 Y = 1729480 Z = -129548	12 12 12	LAT. = - 4 16 56.9 LONG. = 91 24 46.2 RAD. = 1734849.3	1.4 1.4 12.1
A262J	X = -56545 Y = 1727676 Z = -153118	14 22 15	LAT. = - 5 3 43.2 LONG. = 91 52 28.5 RAD. = 1735369.7	2.0 1.6 21.6
21689	X = -45971 Y = 1724339 Z = -222835	11 16 14	LAT. = - 7 21 39.3 LONG. = 91 31 37.8 RAD. = 1739285.3	1.5 1.3 16.8
22053	X = -73676 Y = 1732161 Z = -27387	8 12 8	LAT. = - 0 54 18.0 LONG. = 92 26 8.0 RAD. = 1733943.1	.9 .9 12.3
42645	X = -66249 Y = 1731860 Z = -58206	8 12 8	LAT. = - 1 55 24.7 LONG. = 92 11 26.4 RAD. = 1734104.0	1.0 1.0 12.4
42625	X = -88045 Y = 1729093 Z = -97772	10 17 10	LAT. = - 3 13 55.9 LONG. = 92 54 53.9 RAD. = 1734091.3	1.1 1.1 17.0
42496	X = -89427 Y = 1721955 Z = -194897	10 16 10	LAT. = - 6 26 55.8 LONG. = 92 58 22.4 RAD. = 1735254.9	1.1 1.2 16.5
2634	X = -81723 Y = 1719709 Z = -216167	12 12 12	LAT. = - 7 9 23.4 LONG. = 92 43 14.6 RAD. = 1735167.6	1.4 1.4 11.8
B2294	X = -75697 Y = 1719239 Z = -222490	8 13 8	LAT. = - 7 22 .1 LONG. = 92 31 15.9 RAD. = 1735227.9	1.0 1.0 12.9
9340	X = -99686 Y = 1732587 Z = -1979	11 11 11	LAT. = - 0 3 55.2 LONG. = 93 17 34.6 RAD. = 1735454.0	1.3 1.3 11.3

TERRAIN POINTS ON MAP SHEET 82A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
22019	X = -114835	11	LAT. = - 0 45 48.1	1.3
	Y = 1732590	23	LONG. = 93 47 31.1	1.2
	Z = -23136	11	RAD. = 1736545.9	22.8
22031	X = -103577	9	LAT. = - 1 20 3.5	1.1
	Y = 1734944	14	LONG. = 93 24 59.5	1.1
	Z = -40483	9	RAD. = 1738504.9	13.7
G3799	X = -104164	38	LAT. = - 1 28 32.3	3.1
	Y = 1734232	70	LONG. = 93 26 14.1	4.2
	Z = -44755	26	RAD. = 1737934.1	71.6
G3645	X = -106374	19	LAT. = - 1 50 20.4	2.3
	Y = 1731029	34	LONG. = 93 30 59.3	2.4
	Z = -55684	19	RAD. = 1735188.4	33.8
A269C	X = -98305	12	LAT. = - 2 21 53.6	1.4
	Y = 1729706	22	LONG. = 93 15 10.1	1.4
	Z = -71550	12	RAD. = 1733973.6	21.7
512	X = -96767	12	LAT. = - 2 50 17.7	1.4
	Y = 1730172	21	LONG. = 93 12 4.2	1.4
	Z = -85911	12	RAD. = 1735004.3	21.5
G3665	X = -116519	22	LAT. = - 4 0 51.9	3.8
	Y = 1730263	39	LONG. = 93 51 9.3	2.6
	Z = -121705	30	RAD. = 1738447.5	37.5
42493	X = -110184	9	LAT. = - 4 51 51.8	1.2
	Y = 1725090	14	LONG. = 93 39 16.6	1.1
	Z = -147111	11	RAD. = 1734853.6	14.4
918	X = -111625	14	LAT. = - 5 19 39.1	1.6
	Y = 1724412	13	LONG. = 93 42 13.4	1.7
	Z = -161141	14	RAD. = 1735518.1	12.4
B249E	X = -100561	13	LAT. = - 5 29 31.9	1.9
	Y = 1724603	21	LONG. = 93 20 13.6	1.6
	Z = -166104	17	RAD. = 1735499.1	22.0
42495	X = -100541	9	LAT. = - 5 29 36.5	1.2
	Y = 1724591	15	LONG. = 93 20 11.4	1.1
	Z = -166143	11	RAD. = 1735490.6	15.3
5228B	X = -107174	15	LAT. = - 7 13 32.8	3.8
	Y = 1716021	37	LONG. = 93 34 25.5	1.9
	Z = -217992	36	RAD. = 1733128.5	40.1

TERRAIN POINTS ON MAP SHEET 82A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
B2283	X = -103344 Y = 1716453 Z = -236430	8 13 9	LAT. = - 7 49 43.5 LONG. = 93 26 43.8 RAD. = 1735739.4	1.0 1.0 15.5
A269K	X = -129762 Y = 1732998 Z = -25365	12 21 15	LAT. = - 0 50 10.3 LONG. = 94 16 55.7 RAD. = 1738034.7	1.8 1.5 20.8
32896	X = -143386 Y = 1728372 Z = -60265	8 13 8	LAT. = - 1 59 24.5 LONG. = 94 44 32.7 RAD. = 1735356.5	1.0 1.0 13.0
32898	X = -133614 Y = 1729154 Z = -88884	9 13 9	LAT. = - 2 56 1.9 LONG. = 94 25 6.7 RAD. = 1736584.4	1.1 1.1 13.2
42491	X = -127954 Y = 1731214 Z = -112397	18 26 16	LAT. = - 3 42 16.5 LONG. = 94 13 37.3 RAD. = 1739571.2	1.8 2.0 27.0
42480	X = -145749 Y = 1728082 Z = -125726	13 24 16	LAT. = - 4 8 47.6 LONG. = 94 49 15.6 RAD. = 1738769.1	1.8 1.6 24.9
B248B	X = -133819 Y = 1723338 Z = -151779	16 37 36	LAT. = - 5 1 5.4 LONG. = 94 26 24.6 RAD. = 1735176.6	3.9 2.0 38.6
42484	X = -120524 Y = 1721421 Z = -181066	9 14 9	LAT. = - 5 59 23.9 LONG. = 94 0 17.9 RAD. = 1735108.2	1.1 1.1 14.6
32894	X = -158750 Y = 1728910 Z = -34613	9 15 9	LAT. = - 1 8 31.6 LONG. = 95 14 46.5 RAD. = 1736528.4	1.0 1.1 14.9
9338	X = -168326 Y = 1729473 Z = -36294	13 11 13	LAT. = - 1 11 47.6 LONG. = 95 33 32.3 RAD. = 1738024.2	1.5 1.6 11.2
32887	X = -162053 Y = 1727918 Z = -103256	11 15 10	LAT. = - 3 24 17.6 LONG. = 95 21 28.1 RAD. = 1738569.1	1.2 1.2 15.1
510	X = -165889 Y = 1726586 Z = -118099	15 38 14	LAT. = - 3 53 42.3 LONG. = 95 29 17.0 RAD. = 1738553.2	1.7 2.0 37.1

TERRAIN POINTS ON MAP SHEET 82A (CONTINUED)

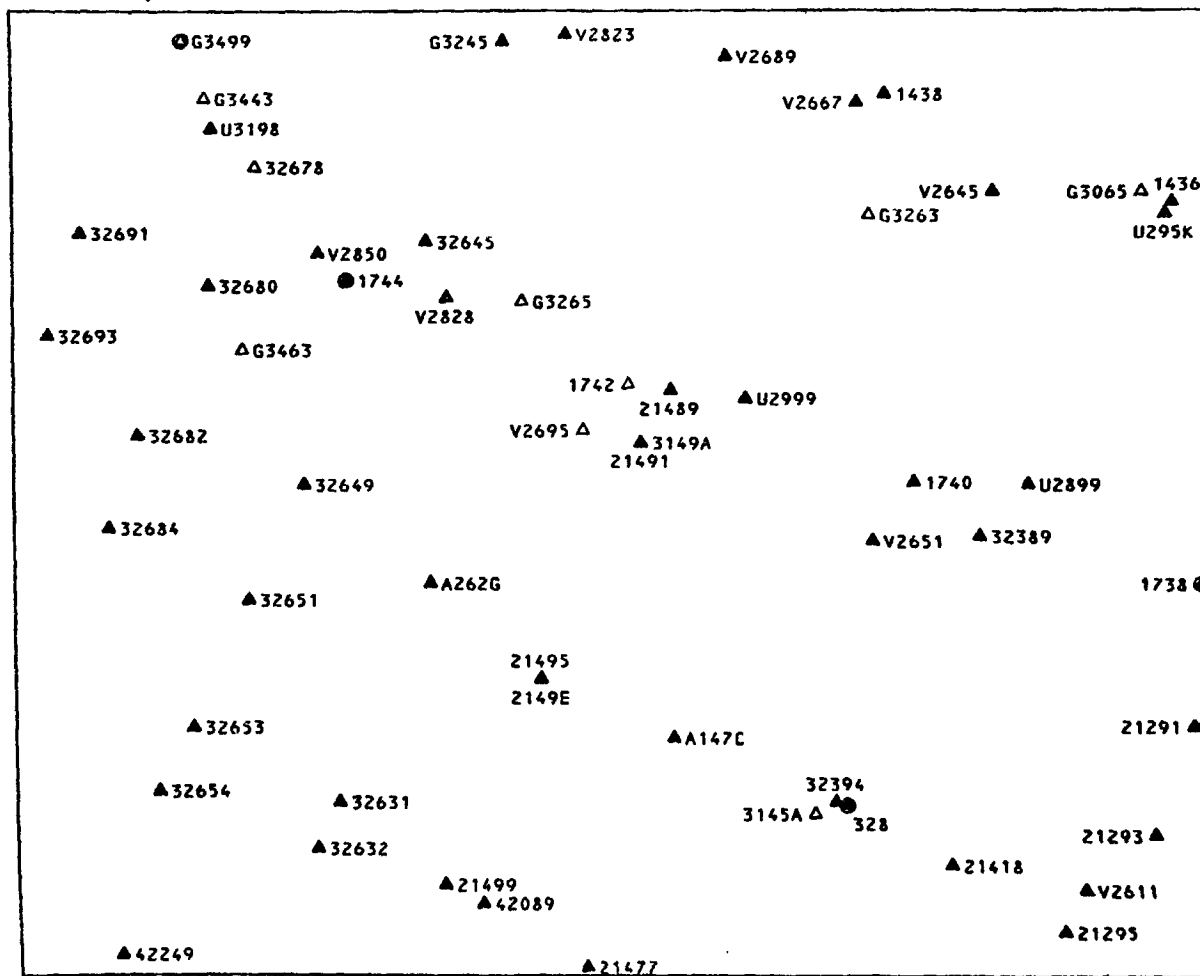
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
B244J	X = -177142 Y = 1719034 Z = -181025	13 22 19	LAT. = - 5 58 48.0 LONG. = 95 53 .3 RAD. = 1737592.3	2.1 1.7 22.6
42449	X = -177117 Y = 1719060 Z = -181061	10 16 10	LAT. = - 5 58 52.1 LONG. = 95 52 57.0 RAD. = 1737618.9	1.2 1.3 15.7
B245A	X = -168490 Y = 1716992 Z = -201347	13 22 17	LAT. = - 6 39 24.0 LONG. = 95 36 16.4 RAD. = 1736948.3	1.8 1.6 22.4
42451	X = -168455 Y = 1717003 Z = -201391	9 13 9	LAT. = - 6 39 29.2 LONG. = 95 36 12.1 RAD. = 1736961.2	1.0 1.0 13.5
G3633	X = -183996 Y = 1727080 Z = -16573	19 29 17	LAT. = - 0 32 48.1 LONG. = 96 4 52.1 RAD. = 1736933.0	2.0 2.2 29.8
G3699	X = -184453 Y = 1727381 Z = -31673	22 39 22	LAT. = - 1 2 40.2 LONG. = 96 5 42.2 RAD. = 1737490.0	2.6 2.6 39.2
G3643	X = -188553 Y = 1727572 Z = -47930	82 90 53	LAT. = - 1 34 47.5 LONG. = 96 13 43.7 RAD. = 1738492.2	6.5 8.6 96.7
32883	X = -198089 Y = 1724550 Z = -49025	11 21 11	LAT. = - 1 37 3.8 LONG. = 96 33 9.1 RAD. = 1736582.0	1.3 1.3 21.4
A288C	X = -198096 Y = 1724549 Z = -49068	13 22 17	LAT. = - 1 37 8.9 LONG. = 96 33 9.9 RAD. = 1736582.9	2.0 1.6 21.8
G3663	X = -195886 Y = 1723565 Z = -105264	22 40 30	LAT. = - 3 28 21.4 LONG. = 96 29 2.1 RAD. = 1737851.9	3.7 2.7 38.3
32854	X = -203998 Y = 1721432 Z = -119227	9 13 9	LAT. = - 3 56 4.3 LONG. = 96 45 29.9 RAD. = 1737572.7	1.0 1.0 12.8
Y0245	X = -181791 Y = 1720272 Z = -176244	13 17 15	LAT. = - 5 49 2.8 LONG. = 96 1 56.6 RAD. = 1738805.7	1.7 1.5 17.6

TERRAIN POINTS ON MAP SHEET 82A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42429	X = -204155 Y = 1712104 Z = -221025	9 14 9	LAT. = - 7 18 17.1 LONG. = 96 47 59.9 RAD. = 1738341.1	1.1 1.1 13.6
32850	X = -232036 Y = 1718234 Z = -71883	9 13 8	LAT. = - 2 22 26.7 LONG. = 97 41 27.2 RAD. = 1735319.7	1.0 1.0 13.5
32852	X = -216588 Y = 1721165 Z = -97841	10 15 10	LAT. = - 3 13 41.2 LONG. = 97 10 20.3 RAD. = 1737495.8	1.3 1.1 15.2
A242E	X = -231730 Y = 1713543 Z = -169035	12 22 12	LAT. = - 5 34 59.9 LONG. = 97 42 5.9 RAD. = 1737383.2	1.5 1.5 21.6
G3435	X = -257940 Y = 1717193 Z = -1266	17 27 16	LAT. = - 0 2 30.3 LONG. = 98 32 33.2 RAD. = 1736457.8	1.9 2.0 27.2
G3599	X = -264074 Y = 1715009 Z = -18388	17 15 16	LAT. = - 0 36 25.7 LONG. = 98 45 12.8 RAD. = 1735318.5	1.9 2.0 15.4
U3366	X = -266077 Y = 1714653 Z = -20306	14 21 16	LAT. = - 0 40 13.8 LONG. = 98 49 14.5 RAD. = 1735293.9	1.9 1.5 21.5
32847	X = -256996 Y = 1715842 Z = -21032	9 15 9	LAT. = - 0 41 40.3 LONG. = 98 31 6.0 RAD. = 1735108.7	1.0 1.1 14.5
G3445	X = -263025 Y = 1714507 Z = -36025	17 28 18	LAT. = - 1 11 23.3 LONG. = 98 43 18.5 RAD. = 1734939.2	2.2 2.0 27.7
32848	X = -248172 Y = 1716573 Z = -43336	9 15 9	LAT. = - 1 25 52.6 LONG. = 98 13 35.4 RAD. = 1734961.2	1.0 1.1 15.5
32817	X = -268607 Y = 1716442 Z = -91244	11 20 11	LAT. = - 3 0 22.9 LONG. = 98 53 38.8 RAD. = 1739726.8	1.4 1.2 20.0
A281G	X = -268571 Y = 1716485 Z = -91275	13 21 16	LAT. = - 3 0 26.5 LONG. = 98 53 33.9 RAD. = 1739764.7	1.8 1.6 21.2

TERRAIN POINTS ON MAP SHEET 82A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
32819	X = -258184 Y = 1715945 Z = -110954	9 14 9	LAT. = - 3 39 30.8 LONG. = 98 33 23.9 RAD. = 1738803.8	1.1 1.1 14.1
32821	X = -241123 Y = 1715262 Z = -144046	11 19 11	LAT. = - 4 45 13.9 LONG. = 98 0 6.9 RAD. = 1738106.7	1.3 1.3 18.5
42293	X = -251577 Y = 1706289 Z = -215551	10 15 10	LAT. = - 7 7 25.2 LONG. = 98 23 14.4 RAD. = 1738153.0	1.2 1.2 14.8
32814	X = -296497 Y = 1713337 Z = -40103	10 18 9	LAT. = - 1 19 16.4 LONG. = 99 49 4.5 RAD. = 1739265.2	1.1 1.2 17.9
32694	X = -296262 Y = 1710265 Z = -98071	9 13 9	LAT. = - 3 14 1.9 LONG. = 99 49 39.3 RAD. = 1738504.1	1.0 1.1 13.5
V3011	X = -297977 Y = 1709854 Z = -119522	12 33 24	LAT. = - 3 56 21.8 LONG. = 99 53 8.4 RAD. = 1739734.7	3.1 1.6 31.3
V2899	X = -278977 Y = 1711591 Z = -122674	13 19 15	LAT. = - 4 2 46.7 LONG. = 99 15 26.6 RAD. = 1738511.1	1.8 1.4 19.5
32698	X = -272664 Y = 1709678 Z = -157628	10 14 10	LAT. = - 5 12 8.1 LONG. = 99 3 41.0 RAD. = 1738445.0	1.2 1.2 13.7
32688	X = -294476 Y = 1704908 Z = -180280	11 15 10	LAT. = - 5 56 55.3 LONG. = 99 47 58.6 RAD. = 1739519.2	1.2 1.3 15.5



○ RANGE
OBSERVATION

▲ ○ < 30M
△ ○ < 100M
▽ ○ > 100M

MAP SHEET 82B

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TERRAIN POINTS ON MAP SHEET 82B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
32691	X = -318857 Y = 1710006 Z = -55915	10 15 9	LAT. = - 1 50 28.0 LONG. = 100 33 44.5 RAD. = 1740378.1	1.1 1.2 15.1
32693	X = -310007 Y = 1708343 Z = -81655	10 15 9	LAT. = - 2 41 33.4 LONG. = 100 17 7.2 RAD. = 1738162.0	1.1 1.2 15.1
32684	X = -324884 Y = 1705087 Z = -130251	10 14 9	LAT. = - 4 17 29.1 LONG. = 100 47 15.8 RAD. = 1740642.2	1.1 1.2 14.0
42249	X = -324723 Y = 1693191 Z = -236988	13 21 13	LAT. = - 7 49 36.6 LONG. = 100 51 23.2 RAD. = 1740260.1	1.5 1.5 21.1
G3499	X = -344550 Y = 1704528 Z = -7331	23 18 22	LAT. = - 0 14 29.5 LONG. = 101 25 39.6 RAD. = 1739018.2	2.6 2.7 17.5
G3443	X = -349908 Y = 1701960 Z = -21909	28 42 26	LAT. = - 0 43 20.7 LONG. = 101 37 3.5 RAD. = 1737695.0	3.2 2.7 44.5
U3198	X = -351320 Y = 1701191 Z = -29452	14 20 14	LAT. = - 0 58 16.8 LONG. = 101 40 6.1 RAD. = 1737338.2	1.7 1.5 21.0
32680	X = -350600 Y = 1701920 Z = -69181	11 19 10	LAT. = - 2 16 47.6 LONG. = 101 38 24.9 RAD. = 1739033.6	1.2 1.3 19.3
G3463	X = -358960 Y = 1699881 Z = -85362	23 40 32	LAT. = - 2 48 46.3 LONG. = 101 55 25.9 RAD. = 1739463.7	3.9 2.8 38.5
32682	X = -332536 Y = 1705022 Z = -106896	10 15 9	LAT. = - 3 31 16.7 LONG. = 101 2 9.8 RAD. = 1740432.8	1.1 1.2 15.2
32651	X = -359277 Y = 1696386 Z = -148251	11 15 10	LAT. = - 4 53 12.1 LONG. = 101 57 28.6 RAD. = 1740339.9	1.2 1.2 15.2
32653	X = -344248 Y = 1694365 Z = -179940	11 14 10	LAT. = - 5 56 29.6 LONG. = 101 29 4.5 RAD. = 1738320.2	1.2 1.3 14.2

TERRAIN POINTS ON MAP SHEET 82B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
32654	X = -335242 Y = 1694541 Z = -195893	10 14 10	LAT. = - 6 28 11.9 LONG. = 101 11 26.5 RAD. = 1738456.5	1.1 1.2 14.0
32678	X = -362260 Y = 1698556 Z = -39216	20 38 29	LAT. = - 1 17 36.7 LONG. = 102 2 21.8 RAD. = 1737199.6	3.5 2.5 37.1
V2850	X = -377747 Y = 1694303 Z = -60973	11 16 10	LAT. = - 2 0 42.0 LONG. = 102 34 7.0 RAD. = 1736972.4	1.2 1.3 16.5
1744	X = -384183 Y = 1690558 Z = -67721	12 13 11	LAT. = - 2 14 13.2 LONG. = 102 48 11.4 RAD. = 1734983.6	1.3 1.4 13.2
32649	X = -373906 Y = 1695404 Z = -119292	11 15 9	LAT. = - 3 55 50.3 LONG. = 102 26 13.1 RAD. = 1740238.9	1.1 1.2 15.1
32631	X = -380499 Y = 1686540 Z = -198968	11 15 10	LAT. = - 6 33 53.3 LONG. = 102 42 48.9 RAD. = 1740340.8	1.2 1.3 15.1
32632	X = -374613 Y = 1686716 Z = -210645	11 15 10	LAT. = - 6 57 3.1 LONG. = 102 31 19.0 RAD. = 1740608.0	1.2 1.3 15.1
32645	X = -404555 Y = 1687840 Z = -58020	13 20 16	LAT. = - 1 54 52.6 LONG. = 103 28 43.9 RAD. = 1736615.7	1.8 1.7 20.0
V2828	X = -409507 Y = 1686426 Z = -72184	12 17 10	LAT. = - 2 22 54.5 LONG. = 103 38 55.3 RAD. = 1736933.8	1.3 1.4 17.5
A262G	X = -404929 Y = 1686714 Z = -144106	13 21 18	LAT. = - 4 44 56.3 LONG. = 103 29 58.2 RAD. = 1740614.4	2.0 1.7 21.4
21499	X = -406073 Y = 1678076 Z = -219580	16 21 14	LAT. = - 7 14 53.0 LONG. = 103 36 12.1 RAD. = 1740416.6	1.8 1.7 21.6
42089	X = -415170 Y = 1674823 Z = -224206	11 14 10	LAT. = - 7 24 11.8 LONG. = 103 55 20.5 RAD. = 1740019.3	1.2 1.3 14.3

TERRAIN POINTS ON MAP SHEET 82B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V2823	X = -440175 Y = 1682617 Z = -5912	11 17 10	LAT. = - 0 11 41.2 LONG. = 104 39 36.5 RAD. = 1739249.5	1.2 1.3 16.7
G3245	X = -425063 Y = 1688040 Z = -7741	19 28 19	LAT. = - 0 15 17.3 LONG. = 104 8 1.5 RAD. = 1740752.2	2.3 2.2 28.2
G3265	X = -428849 Y = 1684078 Z = -73176	25 41 33	LAT. = - 2 24 40.2 LONG. = 104 17 12.0 RAD. = 1739363.7	4.0 2.9 40.0
V2695	X = -443622 Y = 1679989 Z = -105683	24 31 13	LAT. = - 3 28 50.0 LONG. = 104 47 31.3 RAD. = 1740785.0	1.5 2.2 34.7
21495	X = -431651 Y = 1678061 Z = -168047	12 17 11	LAT. = - 5 32 22.4 LONG. = 104 25 32.0 RAD. = 1740819.3	1.3 1.4 17.5
2149E	X = -431693 Y = 1678089 Z = -168270	27 32 19	LAT. = - 5 32 48.4 LONG. = 104 25 36.0 RAD. = 1740878.3	2.6 2.5 34.8
21477	X = -439970 Y = 1666217 Z = -240083	11 15 10	LAT. = - 7 55 51.8 LONG. = 104 47 29.5 RAD. = 1739969.5	1.2 1.3 15.0
V2689	X = -479042 Y = 1670648 Z = -11582	12 18 11	LAT. = - 0 22 54.6 LONG. = 105 59 59.1 RAD. = 1738010.3	1.3 1.4 17.5
1742	X = -454490 Y = 1676380 Z = -94093	14 35 12	LAT. = - 3 6 3.1 LONG. = 105 10 8.6 RAD. = 1739444.0	1.5 2.0 33.7
21489	X = -464948 Y = 1673988 Z = -95542	14 22 18	LAT. = - 3 8 51.7 LONG. = 105 31 21.3 RAD. = 1739983.1	2.0 1.7 22.0
21491	X = -456823 Y = 1672933 Z = -108621	14 22 17	LAT. = - 3 35 2.6 LONG. = 105 16 23.6 RAD. = 1737582.3	1.9 1.7 22.4
3149A	X = -456823 Y = 1672933 Z = -108621	14 22 17	LAT. = - 3 35 2.6 LONG. = 105 16 23.6 RAD. = 1737582.3	1.9 1.7 22.4

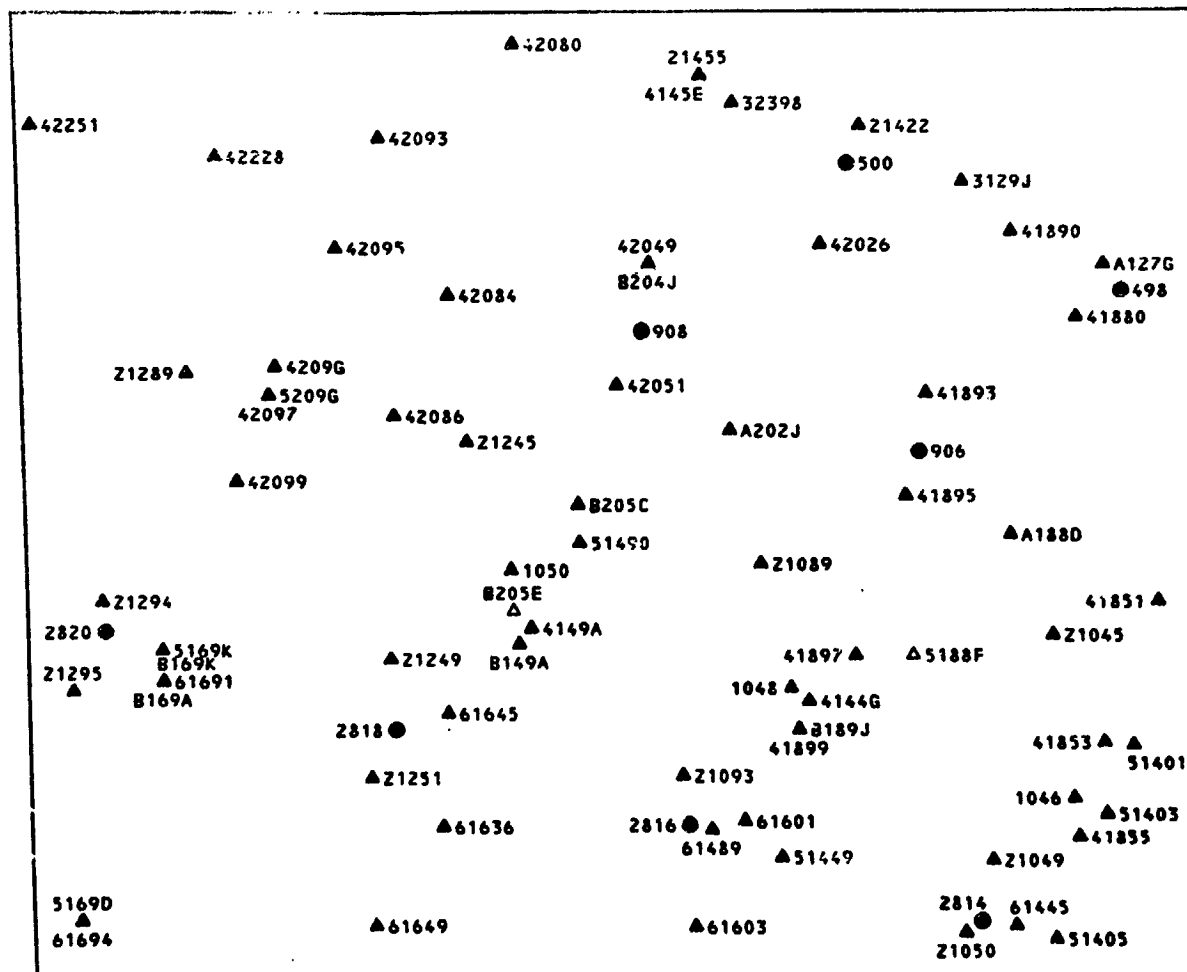
TERRAIN POINTS ON MAP SHEET 82B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A147C	X = -463714 Y = 1667648 Z = -182946	14 21 18	LAT. = - 6 2 .1 LONG. = 105 32 21.7 RAD. = 1740560.0	1.9 1.7 21.7
U2999	X = -483387 Y = 1669046 Z = -97657	16 21 15	LAT. = - 3 13 .1 LONG. = 106 9 7.3 RAD. = 1740377.2	1.9 1.7 21.7
32394	X = -502208 Y = 1653500 Z = -198733	11 14 10	LAT. = - 6 33 37.1 LONG. = 106 53 41.3 RAD. = 1739473.5	1.2 1.4 14.3
328	X = -504867 Y = 1652383 Z = -199681	17 14 14	LAT. = - 6 35 32.8 LONG. = 106 59 23.8 RAD. = 1739290.8	1.7 2.0 14.2
3145A	X = -497092 Y = 1654786 Z = -201808	15 38 14	LAT. = - 6 39 42.7 LONG. = 106 43 12.2 RAD. = 1739581.7	1.8 2.1 36.4
1438	X = -517556 Y = 1659311 Z = -21034	14 22 11	LAT. = - 0 41 36.0 LONG. = 107 19 23.7 RAD. = 1738280.5	1.4 1.6 22.0
V2667	X = -510621 Y = 1660942 Z = -23182	12 18 11	LAT. = - 0 45 51.6 LONG. = 107 5 20.1 RAD. = 1737814.3	1.3 1.5 17.6
G3263	X = -513759 Y = 1661050 Z = -51431	26 45 33	LAT. = - 1 41 39.6 LONG. = 107 11 12.2 RAD. = 1739448.2	4.0 3.2 43.8
1740	X = -523552 Y = 1655021 Z = -118628	14 21 11	LAT. = - 3 54 34.2 LONG. = 107 33 15.6 RAD. = 1739906.7	1.3 1.6 21.0
V2651	X = -513637 Y = 1657945 Z = -133453	14 20 11	LAT. = - 4 23 48.1 LONG. = 107 12 47.3 RAD. = 1740808.3	1.4 1.6 20.8
21418	X = -529632 Y = 1642938 Z = -214608	12 15 10	LAT. = - 7 5 12.8 LONG. = 107 52 3.7 RAD. = 1739485.9	1.2 1.4 14.8
V2645	X = -543542 Y = 1651236 Z = -45443	13 17 11	LAT. = - 1 29 50.7 LONG. = 108 13 12.5 RAD. = 1738989.5	1.3 1.5 17.3

TERRAIN POINTS ON MAP SHEET 82B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
U2899	X = -550598	18	LAT. = - 3 55 24.6	1.9
	Y = 1644605	21	LONG. = 108 30 36.2	1.8
	Z = -118949	15	RAD. = 1738399.6	22.5
32389	X = -539287	14	LAT. = - 4 21 15.0	2.0
	Y = 1649223	22	LONG. = 108 6 26.9	1.9
	Z = -132117	18	RAD. = 1740178.5	21.7
V2611	X = -561586	16	LAT. = - 7 17 25.5	1.9
	Y = 1632552	20	LONG. = 108 58 58.2	1.7
	Z = -220869	15	RAD. = 1740513.8	20.7
21295	X = -556148	13	LAT. = - 7 38 11.4	1.4
	Y = 1632738	18	LONG. = 108 48 36.0	1.6
	Z = -231264	12	RAD. = 1740291.9	18.2
G3065	X = -578771	28	LAT. = - 1 29 40.8	4.4
	Y = 1639481	49	LONG. = 109 26 38.8	3.4
	Z = -45366	37	RAD. = 1739232.9	47.9
1436	X = -585826	15	LAT. = - 1 34 41.7	1.4
	Y = 1636462	22	LONG. = 109 41 47.4	1.7
	Z = -47891	12	RAD. = 1738819.1	22.4
U295K	X = -584058	15	LAT. = - 1 40 32.0	1.4
	Y = 1636952	22	LONG. = 109 38 10.3	1.7
	Z = -50841	12	RAD. = 1738770.2	22.4
1738	X = -589699	15	LAT. = - 4 44 57.3	1.6
	Y = 1626499	15	LONG. = 109 55 42.5	1.8
	Z = -143737	13	RAD. = 1736060.4	14.6
21291	X = -587529	15	LAT. = - 5 55 51.3	1.8
	Y = 1624961	22	LONG. = 109 52 41.6	1.8
	Z = -179505	17	RAD. = 1737213.0	23.0
21293	X = -578194	13	LAT. = - 6 49 57.2	1.2
	Y = 1627727	16	LONG. = 109 33 21.0	1.5
	Z = -206972	10	RAD. = 1739724.6	15.9

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR



○ RANGE
OBSERVATION

▲ ● < 30M
▲ ● < 100M
▼ ● > 100M

MAP SHEET 82C

0

TERRAIN POINTS ON MAP SHEET 82C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42251	X = -302341	12	LAT. = - 8 55 11.6	1.4
	Y = 1692752	18	LONG. = 100 7 36.3	1.4
	Z = -269884	11	RAD. = 1740591.4	17.8
Z1294	X = -313426	12	LAT. = -12 52 48.8	1.4
	Y = 1668191	18	LONG. = 100 38 27.2	1.5
	Z = -388136	12	RAD. = 1741191.0	18.2
2820	X = -313531	15	LAT. = -13 7 42.0	1.5
	Y = 1665676	14	LONG. = 100 39 36.3	1.7
	Z = -395305	13	RAD. = 1740414.9	14.4
Z1295	X = -304586	12	LAT. = -13 37 9.2	1.4
	Y = 1662726	19	LONG. = 100 22 50.3	1.5
	Z = -409550	12	RAD. = 1739299.0	18.5
5169D	X = -302977	16	LAT. = -15 31 .5	2.0
	Y = 1648508	23	LONG. = 100 24 50.7	1.7
	Z = -465358	14	RAD. = 1739520.6	21.8
61694	X = -302957	13	LAT. = -15 31 2.5	1.6
	Y = 1648479	22	LONG. = 100 24 49.0	1.6
	Z = -465367	14	RAD. = 1739492.1	22.1
42228	X = -347968	11	LAT. = - 9 11 25.6	1.2
	Y = 1682438	15	LONG. = 101 41 7.3	1.3
	Z = -277969	10	RAD. = 1740386.3	15.0
Z1289	X = -337490	12	LAT. = -10 58 59.6	1.7
	Y = 1672513	18	LONG. = 101 24 29.9	1.6
	Z = -331138	16	RAD. = 1738059.5	18.9
42099	X = -348184	10	LAT. = -11 53 12.4	1.2
	Y = 1663520	14	LONG. = 101 49 18.0	1.3
	Z = -357746	10	RAD. = 1736810.7	14.3
5169K	X = -327568	14	LAT. = -13 17 1.8	1.5
	Y = 1661616	21	LONG. = 101 9 7.8	1.6
	Z = -399845	14	RAD. = 1740156.6	21.7
B169K	X = -327374	15	LAT. = -13 32 31.4	1.9
	Y = 1659621	22	LONG. = 101 9 31.7	1.6
	Z = -407431	14	RAD. = 1739975.5	21.4
61691	X = -327393	11	LAT. = -13 32 32.7	1.3
	Y = 1659645	16	LONG. = 101 9 33.4	1.4
	Z = -407449	12	RAD. = 1740006.1	15.9

TERRAIN POINTS ON MAP SHEET 82C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
8169A	X = -327394	15	LAT. = -13 32 36.5	1.9
	Y = 1659612	22	LONG. = 101 9 34.3	1.6
	Z = -407474	14	RAD. = 1739981.1	21.4
42095	X = -376112	11	LAT. = - 9 57 12.4	1.2
	Y = 1669127	15	LONG. = 102 41 55.0	1.3
	Z = -300259	10	RAD. = 1737123.9	14.7
4209G	X = -359391	14	LAT. = -10 56 4.1	2.7
	Y = 1666808	25	LONG. = 102 10 3.5	1.7
	Z = -329417	26	RAD. = 1736642.5	28.4
5209G	X = -357402	14	LAT. = -11 10 18.2	2.1
	Y = 1665717	21	LONG. = 102 6 35.9	1.7
	Z = -336454	20	RAD. = 1736534.4	22.5
42097	X = -357379	11	LAT. = -11 10 22.6	1.3
	Y = 1665754	16	LONG. = 102 6 32.3	1.4
	Z = -336498	11	RAD. = 1736573.1	16.3
21251	X = -377191	14	LAT. = -14 21 11.8	1.4
	Y = 1641005	18	LONG. = 102 56 41.3	1.6
	Z = -430862	12	RAD. = 1738048.3	18.6
61649	X = -375418	14	LAT. = -15 34 41.6	1.6
	Y = 1631187	21	LONG. = 102 57 39.4	1.7
	Z = -466656	15	RAD. = 1737664.9	21.8
42093	X = -388343	11	LAT. = - 9 2 18.6	1.3
	Y = 1671786	15	LONG. = 103 4 38.8	1.3
	Z = -273017	11	RAD. = 1737877.1	15.2
42084	X = -403191	12	LAT. = -10 20 50.6	1.3
	Y = 1660215	16	LONG. = 103 39 1.0	1.4
	Z = -311942	11	RAD. = 1736717.0	15.7
42086	X = -388135	12	LAT. = -11 20 57.8	1.3
	Y = 1657531	17	LONG. = 103 10 45.1	1.4
	Z = -341693	12	RAD. = 1736321.7	17.4
21245	X = -405765	13	LAT. = -11 33 50.6	1.8
	Y = 1652074	18	LONG. = 103 47 57.3	1.6
	Z = -348089	17	RAD. = 1736421.6	19.0
21249	X = -383543	13	LAT. = -13 22 7.5	1.4
	Y = 1645181	18	LONG. = 103 7 22.9	1.6
	Z = -401474	13	RAD. = 1736349.0	18.8

TERRAIN POINTS ON MAP SHEET 82C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
61645	X = -396812	11	LAT. = -13 49 13.3	1.3
	Y = 1638770	15	LONG. = 103 36 41.8	1.4
	Z = -414788	11	RAD. = 1736397.2	15.2
2818	X = -383668	13	LAT. = -13 57 18.2	1.4
	Y = 1640929	14	LONG. = 103 9 36.0	1.6
	Z = -418760	12	RAD. = 1736435.3	14.2
61636	X = -394142	12	LAT. = -14 45 32.2	1.3
	Y = 1634722	16	LONG. = 103 33 20.4	1.4
	Z = -443000	11	RAD. = 1738939.7	16.2
42080	X = -422383	12	LAT. = - 8 16 .9	1.3
	Y = 1666272	18	LONG. = 104 13 27.4	1.4
	Z = -249757	12	RAD. = 1737023.3	18.7
B205C	X = -432341	14	LAT. = -12 5 4.8	1.6
	Y = 1642147	22	LONG. = 104 44 59.9	1.7
	Z = -363567	15	RAD. = 1736590.7	22.5
51490	X = -432184	11	LAT. = -12 24 9.9	1.2
	Y = 1640413	14	LONG. = 104 45 35.2	1.3
	Z = -373061	11	RAD. = 1736925.7	14.6
1050	X = -414768	14	LAT. = -12 37 53.2	1.6
	Y = 1642945	22	LONG. = 104 10 6.6	1.7
	Z = -379740	14	RAD. = 1736520.8	22.5
B205E	X = -414768	24	LAT. = -12 58 6.3	1.8
	Y = 1640583	34	LONG. = 104 11 17.0	2.3
	Z = -389693	17	RAD. = 1736492.6	38.0
4149A	X = -418777	17	LAT. = -13 6 45.7	2.2
	Y = 1638556	23	LONG. = 104 20 11.7	1.8
	Z = -393955	16	RAD. = 1736502.8	22.2
B149A	X = -415599	14	LAT. = -13 14 43.5	1.6
	Y = 1638427	23	LONG. = 104 13 59.8	1.7
	Z = -397874	13	RAD. = 1736510.8	22.6
21455	X = -468326	19	LAT. = - 8 31 37.5	3.2
	Y = 1654344	38	LONG. = 105 48 22.3	1.9
	Z = -257790	23	RAD. = 1738574.1	36.7
4145E	X = -468357	14	LAT. = - 8 31 56.8	1.9
	Y = 1654377	21	LONG. = 105 48 24.8	1.7
	Z = -257961	18	RAD. = 1738638.9	22.1

TERRAIN POINTS ON MAP SHEET 82C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42049	X = -453122	15	LAT. = -10 5 18.6	1.9
	Y = 1648629	23	LONG. = 105 22 5.3	1.7
	Z = -304202	18	RAD. = 1736616.2	25.9
B204J	X = -453120	14	LAT. = -10 5 20.5	2.2
	Y = 1648589	21	LONG. = 105 22 6.4	1.8
	Z = -304211	20	RAD. = 1736579.4	22.5
908	X = -450441	14	LAT. = -10 38 48.5	1.5
	Y = 1646008	13	LONG. = 105 18 16.8	1.7
	Z = -320811	13	RAD. = 1736421.0	13.3
42051	X = -443498	11	LAT. = -11 5 46.8	1.2
	Y = 1645449	15	LONG. = 105 5 4.2	1.4
	Z = -334232	10	RAD. = 1736636.1	15.0
Z1093	X = -453471	14	LAT. = -14 20 7.8	1.4
	Y = 1620277	18	LONG. = 105 38 7.7	1.6
	Z = -429984	13	RAD. = 1736611.3	18.8
2816	X = -454447	13	LAT. = -14 44 29.1	1.4
	Y = 1618236	14	LONG. = 105 41 10.6	1.6
	Z = -442258	12	RAD. = 1738045.8	14.1
61489	X = -459991	14	LAT. = -14 46 55.3	2.1
	Y = 1616667	20	LONG. = 105 52 57.7	1.8
	Z = -443532	20	RAD. = 1738368.0	22.1
61603	X = -454504	11	LAT. = -15 34 58.1	1.3
	Y = 1613124	15	LONG. = 105 44 7.4	1.4
	Z = -467386	11	RAD. = 1739883.3	14.9
32398	X = -476146	11	LAT. = - 8 45 27.5	1.2
	Y = 1651781	14	LONG. = 106 4 49.0	1.4
	Z = -264820	10	RAD. = 1739317.4	14.5
42026	X = -494879	13	LAT. = - 9 55 47.1	1.3
	Y = 1637353	18	LONG. = 106 49 1.5	1.5
	Z = -299446	12	RAD. = 1736519.3	18.9
A202J	X = -470761	17	LAT. = -11 28 15.3	2.0
	Y = 1635983	22	LONG. = 106 3 12.2	1.8
	Z = -345451	15	RAD. = 1737063.9	22.4
Z1089	X = -476264	13	LAT. = -12 34 44.5	1.7
	Y = 1627411	18	LONG. = 106 18 43.9	1.7
	Z = -378375	16	RAD. = 1737371.8	18.9

TERRAIN POINTS ON MAP SHEET 82C (CONTINUED)

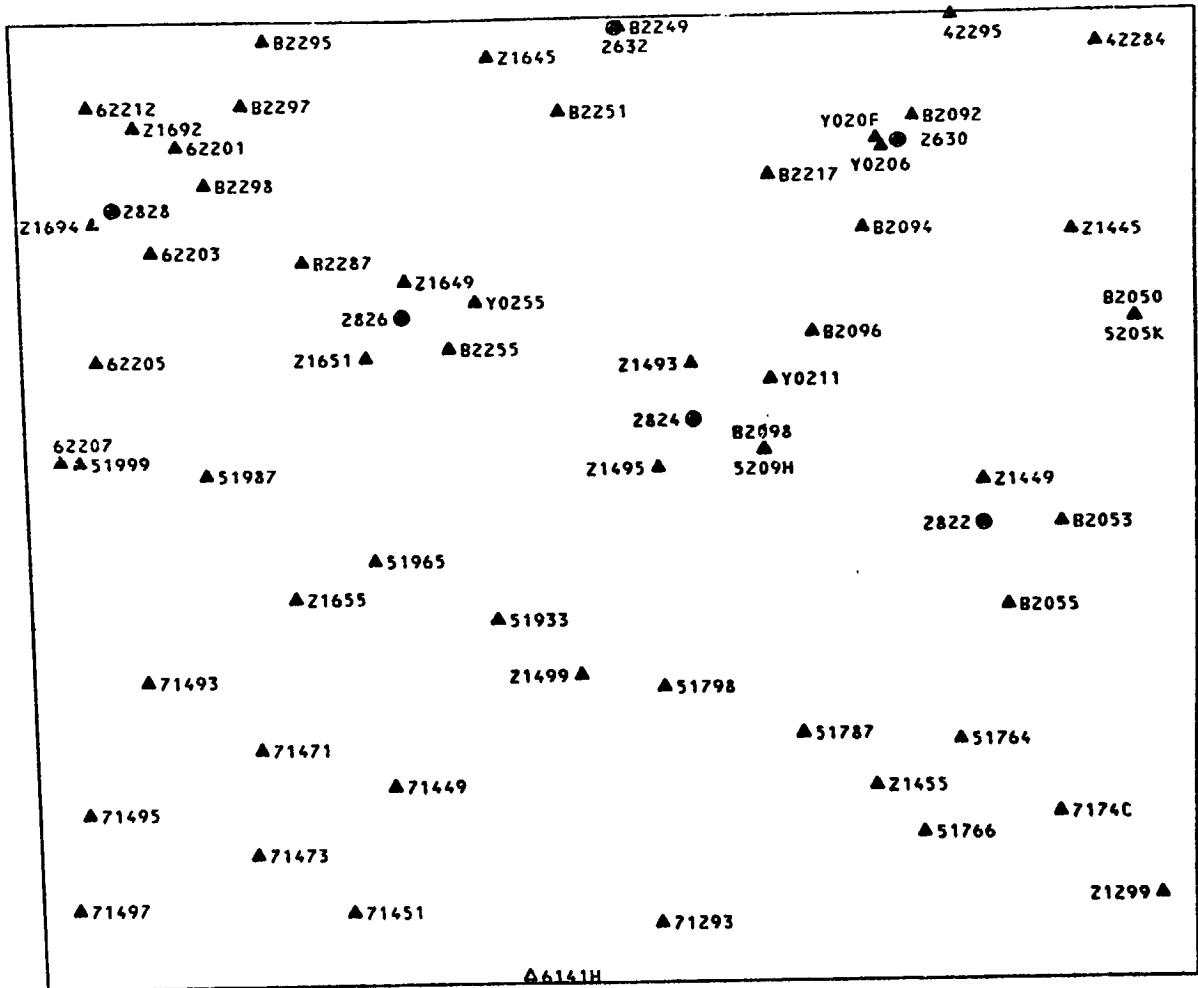
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1048	X = -481278 Y = 1617740 Z = -408548	15 22 14	LAT. = -13 36 25.7 LONG. = 106 34 3.9 RAD. = 1736554.4	1.6 1.7 22.7
4144G	X = -485465 Y = 1615779 Z = -411810	17 22 14	LAT. = -13 43 1.3 LONG. = 106 43 22.9 RAD. = 1736664.8	2.0 1.8 22.4
B189J	X = -482581 Y = 1614917 Z = -418735	15 22 14	LAT. = -13 57 6.9 LONG. = 106 38 15.2 RAD. = 1736715.0	1.6 1.7 22.6
41899	X = -482563 Y = 1614900 Z = -418780	18 23 15	LAT. = -13 57 12.7 LONG. = 106 38 13.8 RAD. = 1736705.3	2.1 1.9 22.4
61601	X = -468276 Y = 1615166 Z = -441500	12 16 12	LAT. = -14 42 36.7 LONG. = 106 10 5.4 RAD. = 1738667.9	1.4 1.5 15.8
51449	X = -476926 Y = 1611768 Z = -450617	14 21 14	LAT. = -15 0 26.9 LONG. = 106 29 1.0 RAD. = 1740203.7	1.6 1.7 21.5
21422	X = -506527 Y = 1641474 Z = -270488	12 15 11	LAT. = - 8 56 53.5 LONG. = 107 8 57.2 RAD. = 1739014.1	1.2 1.4 15.7
500	X = -502675 Y = 1639492 Z = -279540	14 14 13	LAT. = - 9 15 30.9 LONG. = 107 2 44.8 RAD. = 1737458.0	1.5 1.7 14.2
41893	X = -518479 Y = 1623364 Z = -336256	12 15 11	LAT. = -11 9 43.1 LONG. = 107 42 45.8 RAD. = 1737008.8	1.3 1.5 15.5
906	X = -515936 Y = 1620916 Z = -350543	14 14 13	LAT. = -11 38 39.1 LONG. = 107 39 22.4 RAD. = 1736789.6	1.6 1.7 13.6
41895	X = -512049 Y = 1619785 Z = -361441	13 17 13	LAT. = -12 0 40.8 LONG. = 107 32 34.3 RAD. = 1736818.0	1.4 1.6 17.1
5188F	X = -511467 Y = 1611351 Z = -400702	17 30 34	LAT. = -13 20 3.3 LONG. = 107 36 36.7 RAD. = 1737415.8	3.3 2.0 36.4

TERRAIN POINTS ON MAP SHEET 82C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
41897	X = -497564 Y = 1614899 Z = -400620	12 15 11	LAT. = -13 20 14.7 LONG. = 107 7 28.3 RAD. = 1736653.6	1.3 1.4 15.2
3129J	X = -531025 Y = 1633200 Z = -284512	18 21 14	LAT. = -9 24 24.0 LONG. = 108 0 41.8 RAD. = 1740769.2	1.9 1.9 22.3
41890	X = -542411 Y = 1627631 Z = -297005	14 21 17	LAT. = -9 49 17.5 LONG. = 108 25 50.6 RAD. = 1741150.0	1.8 1.8 21.3
41880	X = -556784 Y = 1618333 Z = -318231	14 18 12	LAT. = -10 32 .6 LONG. = 108 59 8.4 RAD. = 1740770.5	1.4 1.6 18.5
A188D	X = -537814 Y = 1613067 Z = -371897	18 22 14	LAT. = -12 20 14.1 LONG. = 108 26 20.2 RAD. = 1740556.2	2.0 1.9 21.9
Z1045	X = -545835 Y = 1602646 Z = -396128	13 17 17	LAT. = -13 10 7.6 LONG. = 108 48 28.8 RAD. = 1738771.3	1.8 1.7 18.4
Z1049	X = -527949 Y = 1596308 Z = -451571	14 17 13	LAT. = -15 2 .8 LONG. = 108 18 2.5 RAD. = 1740932.2	1.4 1.6 17.9
2814	X = -523438 Y = 1591950 Z = -465851	13 14 12	LAT. = -15 32 7.0 LONG. = 108 12 3.7 RAD. = 1739342.1	1.4 1.7 14.4
61445	X = -531926 Y = 1589265 Z = -467034	13 15 12	LAT. = -15 34 18.2 LONG. = 108 30 19.3 RAD. = 1739778.9	1.4 1.6 15.7
Z1050	X = -519388 Y = 1592271 Z = -468607	14 18 12	LAT. = -15 37 52.3 LONG. = 108 3 57.5 RAD. = 1739161.9	1.4 1.7 18.1
51405	X = -541175 Y = 1584934 Z = -470288	15 20 15	LAT. = -15 41 6.2 LONG. = 108 51 8.9 RAD. = 1739556.6	1.6 1.8 21.3
A127G	X = -563841 Y = 1617626 Z = -304992	16 21 13	LAT. = -10 5 42.1 LONG. = 109 12 59.6 RAD. = 1740015.0	1.5 1.8 22.0

TERRAIN POINTS ON MAP SHEET 82C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
498	X = -567599	15	LAT. = -10 18 46.6	1.5
	Y = 1614771	14	LONG. = 109 22 .5	1.5
	Z = -311454	13	RAD. = 1739729.0	14.3
41851	X = -571710	12	LAT. = -12 53 19.1	1.3
	Y = 1596488	15	LONG. = 109 42 9.7	1.5
	Z = -388028	11	RAD. = 1739595.9	15.2
41853	X = -556484	13	LAT. = -14 3 37.4	1.4
	Y = 1592559	16	LONG. = 109 15 39.0	1.6
	Z = -422502	11	RAD. = 1739087.5	16.7
51401	X = -563503	14	LAT. = -14 4 51.6	2.0
	Y = 1590154	20	LONG. = 109 30 46.1	1.9
	Z = -423162	20	RAD. = 1739308.1	21.5
1046	X = -548637	15	LAT. = -14 31 18.2	1.6
	Y = 1592997	21	LONG. = 109 0 14.4	1.8
	Z = -436408	14	RAD. = 1740429.2	21.4
51403	X = -556078	13	LAT. = -14 39 22.5	1.4
	Y = 1588926	16	LONG. = 109 17 18.9	1.6
	Z = -440264	12	RAD. = 1740040.9	16.1
41855	X = -549148	12	LAT. = -14 50 43.4	1.3
	Y = 1590394	15	LONG. = 109 2 57.5	1.5
	Z = -445970	11	RAD. = 1740634.0	14.7



○ RANGE
OBSERVATION ▲ ◦ < 30M
 ▲ ◦ < 100M
 ▼ ◦ > 100M

MAP SHEET 82D

TERRAIN POINTS ON MAP SHEET 82D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
62212	X = -18826	9	LAT. = - 8 41 21.8	1.1
	Y = 1718910	14	LONG. = 90 37 39.0	1.1
	Z = -262720	9	RAD. = 1738973.5	13.7
2828	X = -24380	10	LAT. = - 9 31 56.4	1.3
	Y = 1712705	12	LONG. = 90 48 56.0	1.3
	Z = -287631	11	RAD. = 1736860.9	12.3
Z1694	X = -19260	10	LAT. = - 9 38 56.7	1.3
	Y = 1711720	17	LONG. = 90 38 40.8	1.3
	Z = -291043	11	RAD. = 1736393.4	17.1
62205	X = -18849	11	LAT. = -10 47 43.1	1.3
	Y = 1708066	21	LONG. = 90 37 56.1	1.3
	Z = -325705	11	RAD. = 1738944.9	20.3
62207	X = -8831	10	LAT. = -11 37 6.4	1.3
	Y = 1701988	18	LONG. = 90 17 50.3	1.2
	Z = -349944	11	RAD. = 1737613.6	17.2
51999	X = -13669	14	LAT. = -11 37 59.6	2.0
	Y = 1702389	23	LONG. = 90 27 36.1	1.7
	Z = -350491	15	RAD. = 1738147.7	21.4
71493	X = -28840	11	LAT. = -13 27 58.1	1.4
	Y = 1688411	18	LONG. = 90 58 42.9	1.3
	Z = -404355	11	RAD. = 1736394.8	18.0
71495	X = -12700	11	LAT. = -14 33 28.6	1.5
	Y = 1680957	19	LONG. = 90 25 58.3	1.3
	Z = -436552	12	RAD. = 1736765.2	17.9
71497	X = -9126	11	LAT. = -15 20 50.8	1.4
	Y = 1675886	16	LONG. = 90 18 43.2	1.3
	Z = -459970	12	RAD. = 1737886.7	15.6
B2297	X = -58082	8	LAT. = - 8 41 20.6	1.0
	Y = 1718305	13	LONG. = 91 56 9.5	1.0
	Z = -262751	9	RAD. = 1739248.4	12.9
Z1692	X = -30387	10	LAT. = - 8 51 43.6	1.3
	Y = 1718568	16	LONG. = 91 0 46.7	1.2
	Z = -267998	11	RAD. = 1739604.1	16.7
62201	X = -41173	9	LAT. = - 9 1 19.1	1.2
	Y = 1718186	14	LONG. = 91 22 21.8	1.1
	Z = -272888	10	RAD. = 1740209.1	13.4

TERRAIN POINTS ON MAP SHEET 82D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
B2298	X = -48007 Y = 1717046 Z = -282595	9 15 10	LAT. = - 9 20 33.0 LONG. = 91 36 5.5 RAD. = 1740808.0	1.3 1.1 14.7
62203	X = -33737 Y = 1710323 Z = -298361	11 16 11	LAT. = - 9 53 37.0 LONG. = 91 7 48.2 RAD. = 1736479.8	1.3 1.3 16.2
51987	X = -45888 Y = 1700941 Z = -354123	9 14 10	LAT. = -11 45 23.0 LONG. = 91 32 43.2 RAD. = 1738019.1	1.2 1.1 14.0
71471	X = -57166 Y = 1683811 Z = -421339	11 19 11	LAT. = -14 2 27.0 LONG. = 91 56 40.1 RAD. = 1736667.2	1.4 1.3 18.2
71473	X = -55099 Y = 1677238 Z = -446797	11 19 12	LAT. = -14 54 31.9 LONG. = 91 52 53.5 RAD. = 1736602.8	1.6 1.3 18.4
B2295	X = -64292 Y = 1720693 Z = -246842	9 14 9	LAT. = - 8 9 29.0 LONG. = 92 8 23.3 RAD. = 1739496.6	1.1 1.1 14.0
B2287	X = -72248 Y = 1711135 Z = -301853	9 17 10	LAT. = - 9 59 44.2 LONG. = 92 25 3.8 RAD. = 1739056.8	1.2 1.1 17.1
Z1651	X = -87597 Y = 1704970 Z = -325678	11 17 11	LAT. = -10 48 1.0 LONG. = 92 56 28.0 RAD. = 1738004.9	1.3 1.3 17.2
51965	X = -87957 Y = 1693102 Z = -375437	10 15 11	LAT. = -12 29 11.2 LONG. = 92 58 25.8 RAD. = 1736456.8	1.3 1.2 15.3
Z1655	X = -67400 Y = 1691866 Z = -384478	11 19 13	LAT. = -12 47 35.7 LONG. = 92 16 52.8 RAD. = 1736311.0	1.7 1.4 17.8
71451	X = -78857 Y = 1671510 Z = -460757	13 22 14	LAT. = -15 23 41.0 LONG. = 92 42 3.8 RAD. = 1735644.7	1.6 1.6 22.4
Z1649	X = -98076 Y = 1706832 Z = -306704	11 17 11	LAT. = -10 10 13.6 LONG. = 93 17 19.2 RAD. = 1736940.5	1.3 1.3 17.4

TERRAIN POINTS ON MAP SHEET 82D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y0255	X = -115969 Y = 1706014 Z = -312208	12 19 12	LAT. = -10 20 50.1 LONG. = 93 53 19.7 RAD. = 1738219.7	1.7 1.4 17.7
2826	X = -97114 Y = 1705234 Z = -315374	11 13 11	LAT. = -10 27 41.7 LONG. = 93 15 34.2 RAD. = 1736869.0	1.3 1.3 12.7
B2255	X = -108871 Y = 1703960 Z = -323654	10 14 11	LAT. = -10 44 .2 LONG. = 93 39 20.9 RAD. = 1737839.1	1.3 1.2 14.4
71449	X = -90832 Y = 1680885 Z = -430871	11 18 12	LAT. = -14 21 26.3 LONG. = 93 5 35.4 RAD. = 1737605.8	1.4 1.3 18.0
Z1645	X = -121106 Y = 1716857 Z = -251548	11 16 14	LAT. = - 8 18 54.3 LONG. = 94 2 5.7 RAD. = 1739408.0	1.5 1.3 17.2
B2251	X = -138642 Y = 1712227 Z = -265192	9 15 9	LAT. = - 8 46 33.0 LONG. = 94 37 45.3 RAD. = 1738179.9	1.2 1.1 14.9
51933	X = -118516 Y = 1688271 Z = -390272	11 16 12	LAT. = -12 59 7.3 LONG. = 94 0 56.0 RAD. = 1736841.1	1.4 1.3 15.7
Z1499	X = -139151 Y = 1684488 Z = -404231	12 18 12	LAT. = -13 27 .4 LONG. = 94 43 20.4 RAD. = 1737891.2	1.7 1.4 17.5
6141H	X = -122624 Y = 1666856 Z = -477394	28 39 18	LAT. = -15 56 27.7 LONG. = 94 12 26.8 RAD. = 1738203.3	2.9 3.2 36.8
B2249	X = -154515 Y = 1711737 Z = -244130	9 14 10	LAT. = - 8 5 4.0 LONG. = 95 9 28.8 RAD. = 1735948.3	1.1 1.1 14.2
2632	X = -153279 Y = 1711768 Z = -244264	12 12 12	LAT. = - 8 5 21.0 LONG. = 95 7 .7 RAD. = 1735888.5	1.4 1.5 12.0
Z1493	X = -169892 Y = 1697440 Z = -327822	11 17 12	LAT. = -10 52 39.9 LONG. = 95 42 55.9 RAD. = 1737133.8	1.3 1.3 17.4

TERRAIN POINTS ON MAP SHEET 82D (CONTINUED)

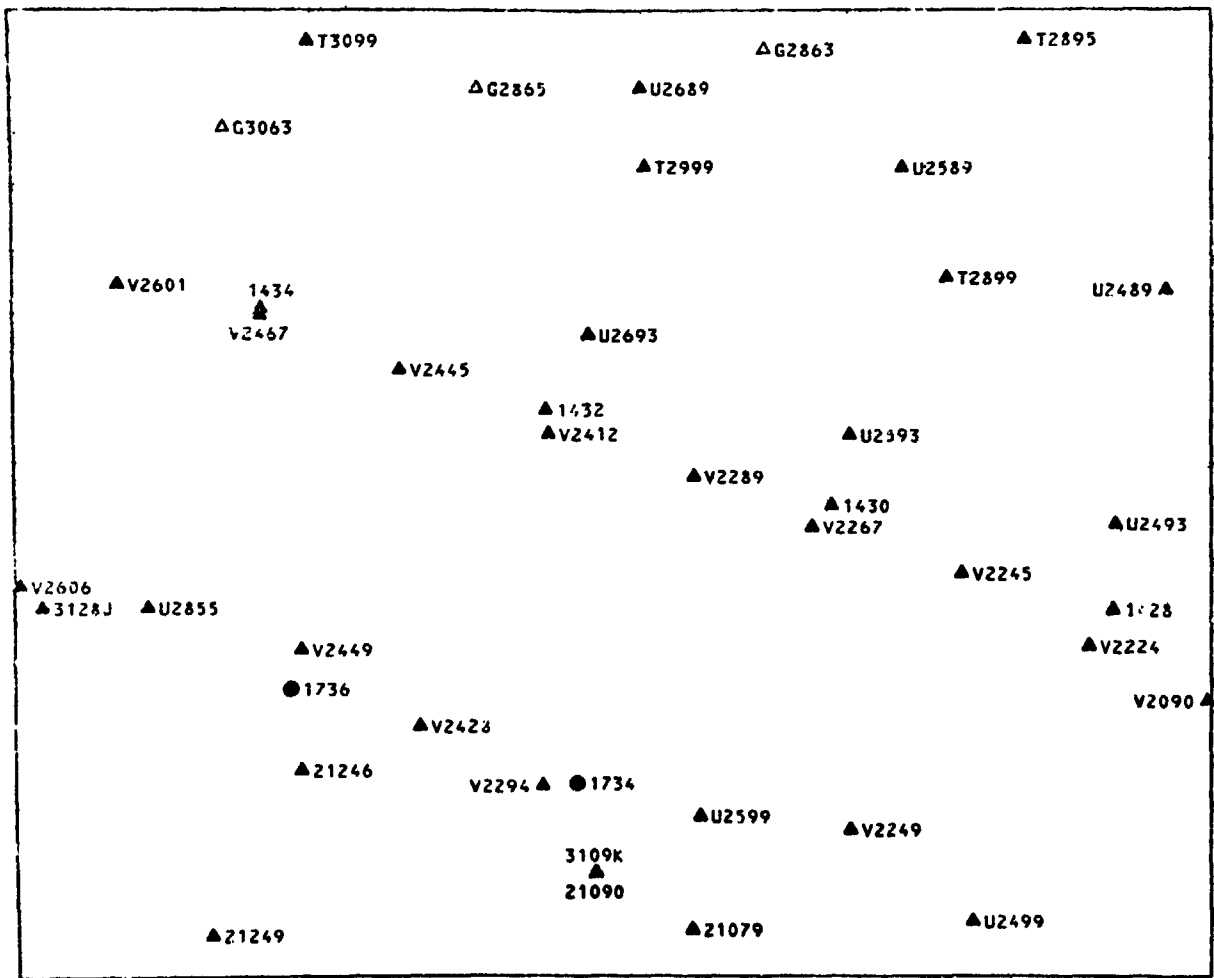
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2824	X = -170037	11	LAT. = -11 20 28.3	1.3
	Y = 1694641	13	LONG. = 95 43 47.1	1.3
	Z = -341597	11	RAD. = 1737069.0	13.4
21495	X = -160724	11	LAT. = -11 44 17.9	1.3
	Y = 1693499	17	LONG. = 95 25 17.4	1.3
	Z = -353469	11	RAD. = 1737444.1	17.4
51798	X = -160307	11	LAT. = -13 33 33.2	1.4
	Y = 1683139	17	LONG. = 95 26 26.1	1.4
	Z = -407764	11	RAD. = 1739231.2	16.4
71293	X = -156926	11	LAT. = -15 30 35.3	1.4
	Y = 1668450	18	LONG. = 95 22 23.3	1.4
	Z = -465053	12	RAD. = 1739144.8	17.8
B2217	X = -190852	9	LAT. = - 9 19 36.2	1.1
	Y = 1703515	13	LONG. = 96 23 32.8	1.1
	Z = -281528	9	RAD. = 1737137.0	13.5
B2096	X = -200720	10	LAT. = -10 37 48.2	1.2
	Y = 1697286	15	LONG. = 96 44 40.0	1.2
	Z = -320780	10	RAD. = 1738955.6	15.6
Y0211	X = -189932	12	LAT. = -11 0 56.6	2.6
	Y = 1696821	30	LONG. = 96 23 12.4	1.4
	Z = -332375	18	RAD. = 1739468.4	26.9
B2098	X = -187613	9	LAT. = -11 36 7.6	1.2
	Y = 1693570	14	LONG. = 96 19 17.1	1.1
	Z = -349832	10	RAD. = 1739471.8	14.0
5209H	X = -187688	15	LAT. = -11 36 7.7	1.7
	Y = 1693617	21	LONG. = 96 19 25.5	1.8
	Z = -349845	15	RAD. = 1739527.4	21.4
51787	X = -194718	11	LAT. = -13 57 25.7	1.3
	Y = 1677982	16	LONG. = 96 37 9.0	1.3
	Z = -419834	12	RAD. = 1740632.3	16.2
42295	X = -238179	9	LAT. = - 8 1 23.1	1.1
	Y = 1705573	14	LONG. = 97 56 59.2	1.1
	Z = -242736	9	RAD. = 1739146.3	14.0
B2092	X = -227509	10	LAT. = - 8 51 22.5	1.4
	Y = 1701608	16	LONG. = 97 36 55.5	1.3
	Z = -267493	12	RAD. = 1737464.5	16.4

TERRAIN POINTS ON MAP SHEET 82D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y020F	X = -218382 Y = 1702618 Z = -273016	12 24 26	LAT. = - 9 2 13.4 LONG. = 97 18 32.3 RAD. = 1738142.0	2.7 1.5 26.9
2630	X = -223798 Y = 1701438 Z = -273506	12 15 12	LAT. = - 9 3 19.7 LONG. = 97 29 36.1 RAD. = 1737751.7	1.4 1.5 14.4
Y0206	X = -219688 Y = 1702023 Z = -275040	13 29 12	LAT. = - 9 6 18.6 LONG. = 97 21 17.1 RAD. = 1738042.6	1.5 1.7 27.6
B2094	X = -213909 Y = 1696736 Z = -294670	9 13 9	LAT. = - 9 46 34.9 LONG. = 97 11 7.5 RAD. = 1735367.2	1.1 1.1 13.3
51764	X = -234042 Y = 1670800 Z = -421373	11 16 11	LAT. = -14 1 23.9 LONG. = 97 58 26.3 RAD. = 1738937.1	1.3 1.3 16.5
Z1455	X = -212653 Y = 1671638 Z = -432512	12 19 13	LAT. = -14 23 42.7 LONG. = 97 14 59.3 RAD. = 1739730.6	1.7 1.4 17.6
51766	X = -224136 Y = 1667518 Z = -444257	10 15 11	LAT. = -14 47 27.6 LONG. = 97 39 19.5 RAD. = 1740176.9	1.3 1.2 14.8
Z1445	X = -267024 Y = 1693029 Z = -296367	12 17 16	LAT. = - 9 48 36.9 LONG. = 98 57 46.2 RAD. = 1739391.3	1.7 1.5 17.9
Z1449	X = -242720 Y = 1685949 Z = -358105	11 17 12	LAT. = -11 52 22.3 LONG. = 98 11 32.6 RAD. = 1740567.8	1.3 1.4 17.4
B2053	X = -261879 Y = 1680261 Z = -368621	10 15 10	LAT. = -12 13 50.1 LONG. = 98 51 31.1 RAD. = 1740040.0	1.2 1.2 14.7
2822	X = -242307 Y = 1683585 Z = -368792	11 13 11	LAT. = -12 14 .2 LONG. = 98 11 23.8 RAD. = 1740453.5	1.3 1.4 13.6
B2055	X = -247621 Y = 1677519 Z = -388771	10 15 10	LAT. = -12 54 46.8 LONG. = 98 23 48.8 RAD. = 1739692.4	1.2 1.2 14.6

TERRAIN POINTS ON MAP SHEET 82D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
7174C	X = -258441	14	LAT. = -14 38 7.5	2.1
	Y = 1662478	20	LONG. = 98 50 10.3	1.7
	Z = -439355	21	RAD. = 1738867.1	21.7
42284	X = -274222	10	LAT. = - 8 15 47.1	1.2
	Y = 1698534	15	LONG. = 99 10 15.8	1.2
	Z = -249866	10	RAD. = 1738576.2	14.8
82050	X = -282082	11	LAT. = -10 32 15.4	1.3
	Y = 1687236	16	LONG. = 99 29 28.5	1.3
	Z = -318213	10	RAD. = 1739998.6	15.6
5205K	X = -282111	13	LAT. = -10 32 26.8	1.9
	Y = 1687147	20	LONG. = 99 29 33.7	1.6
	Z = -318295	18	RAD. = 1739932.1	21.6
21299	X = -282775	13	LAT. = -15 19 6.6	1.8
	Y = 1653071	20	LONG. = 99 42 25.6	1.5
	Z = -459380	13	RAD. = 1738860.7	18.7



○ RANGE
OBSERVATION ▲ $\sigma < 30M$
 ▲ $\sigma < 100M$
 ▼ $\sigma > 100M$

MAP SHEET 83A

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

A-467

TERRAIN POINTS ON MAP SHEET 83A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V2601	X = -619346 Y = 1624219 Z = -68714	13 17 11	LAT. = - 2 15 49.3 LONG. = 110 52 22.1 RAD. = 1739654.6	1.3 1.6 17.4
V2606	X = -592831 Y = 1625317 Z = -144297	14 17 11	LAT. = - 4 46 4.0 LONG. = 110 2 21.6 RAD. = 1736066.2	1.3 1.6 17.7
3128J	X = -597795 Y = 1622973 Z = -149703	15 23 20	LAT. = - 4 56 48.9 LONG. = 110 13 13.6 RAD. = 1736032.9	2.3 1.9 23.5
G3063	X = -645095 Y = 1615500 Z = -29374	30 48 35	LAT. = - 0 58 2.7 LONG. = 111 46 3.5 RAD. = 1739784.5	4.3 3.6 47.9
U2355	X = -624184 Y = 1617325 Z = -149938	18 21 15	LAT. = - 4 56 35.5 LONG. = 111 6 12.3 RAD. = 1740065.1	1.9 1.9 21.5
21249	X = -635390 Y = 1603802 Z = -231971	17 20 14	LAT. = - 7 39 30.9 LONG. = 111 36 44.5 RAD. = 1740607.5	1.8 1.8 20.7
T3099	X = -664140 Y = 1605104 Z = -7745	15 16 11	LAT. = - 0 15 19.7 LONG. = 112 28 41.5 RAD. = 1737095.0	1.3 1.7 16.2
1434	X = -652757 Y = 1610150 Z = -74709	16 21 12	LAT. = - 2 27 43.8 LONG. = 112 4 3.1 RAD. = 1739037.0	1.4 1.8 21.6
V2467	X = -652548 Y = 1610006 Z = -76354	14 18 11	LAT. = - 2 30 59.9 LONG. = 112 3 47.1 RAD. = 1738898.1	1.3 1.7 17.5
V2449	X = -658992 Y = 1600300 Z = -160343	15 17 11	LAT. = - 5 17 35.6 LONG. = 112 22 53.5 RAD. = 1738085.4	1.3 1.7 17.6
1736	X = -655894 Y = 1599902 Z = -170082	17 15 13	LAT. = - 5 37 3.8 LONG. = 112 17 29.8 RAD. = 1737472.3	1.6 2.0 15.1
21246	X = -658251 Y = 1598866 Z = -190641	13 16 11	LAT. = - 6 17 30.6 LONG. = 112 22 36.8 RAD. = 1739543.3	1.2 1.6 15.8

TERRAIN POINTS ON MAP SHEET 83A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2865	X = -702860 Y = 1587696 Z = -19653	33 50 37	LAT. = - 0 38 54.6 LONG. = 113 52 42.8 RAD. = 1736426.8	4.4 3.8 50.5
V2445	X = -684774 Y = 1595762 Z = -90059	14 18 12	LAT. = - 2 58 7.9 LONG. = 113 13 30.6 RAD. = 1738816.1	1.4 1.7 17.7
V2428	X = -686422 Y = 1588303 Z = -179685	15 18 11	LAT. = - 5 55 43.5 LONG. = 113 22 21.7 RAD. = 1739588.9	1.4 1.7 18.0
U2693	X = -727874 Y = 1575182 Z = -81432	16 22 13	LAT. = - 2 41 12.7 LONG. = 114 48 4.0 RAD. = 1737132.7	1.5 1.9 22.0
1432	X = -717654 Y = 1578920 Z = -100174	17 21 12	LAT. = - 3 18 20.3 LONG. = 114 26 34.2 RAD. = 1737253.9	1.4 1.9 22.0
V2412	X = -718247 Y = 1578488 Z = -106271	15 18 11	LAT. = - 3 30 23.9 LONG. = 114 27 59.7 RAD. = 1737468.6	1.3 1.8 18.0
1734	X = -722432 Y = 1571637 Z = -194154	17 15 14	LAT. = - 6 24 15.8 LONG. = 114 41 12.3 RAD. = 1740587.6	1.6 2.1 15.4
V2294	X = -714186 Y = 1574696 Z = -194664	17 20 12	LAT. = - 6 25 24.4 LONG. = 114 23 46.1 RAD. = 1740006.6	1.4 1.9 21.4
3109K	X = -725058 Y = 1566548 Z = -216524	16 22 21	LAT. = - 7 8 58.2 LONG. = 114 50 11.4 RAD. = 1739731.1	2.2 2.0 23.1
21090	X = -725031 Y = 1566556 Z = -216583	17 21 12	LAT. = - 7 9 5.2 LONG. = 114 50 8.1 RAD. = 1739734.8	1.5 1.9 21.5
U2689	X = -741764 Y = 1573133 Z = -19539	16 22 17	LAT. = - 0 38 37.1 LONG. = 115 14 41.4 RAD. = 1739351.2	2.0 2.0 21.7
T2999	X = -742365 Y = 1571957 Z = -39358	15 16 11	LAT. = - 1 17 49.0 LONG. = 115 16 45.4 RAD. = 1738880.0	1.3 1.8 16.3

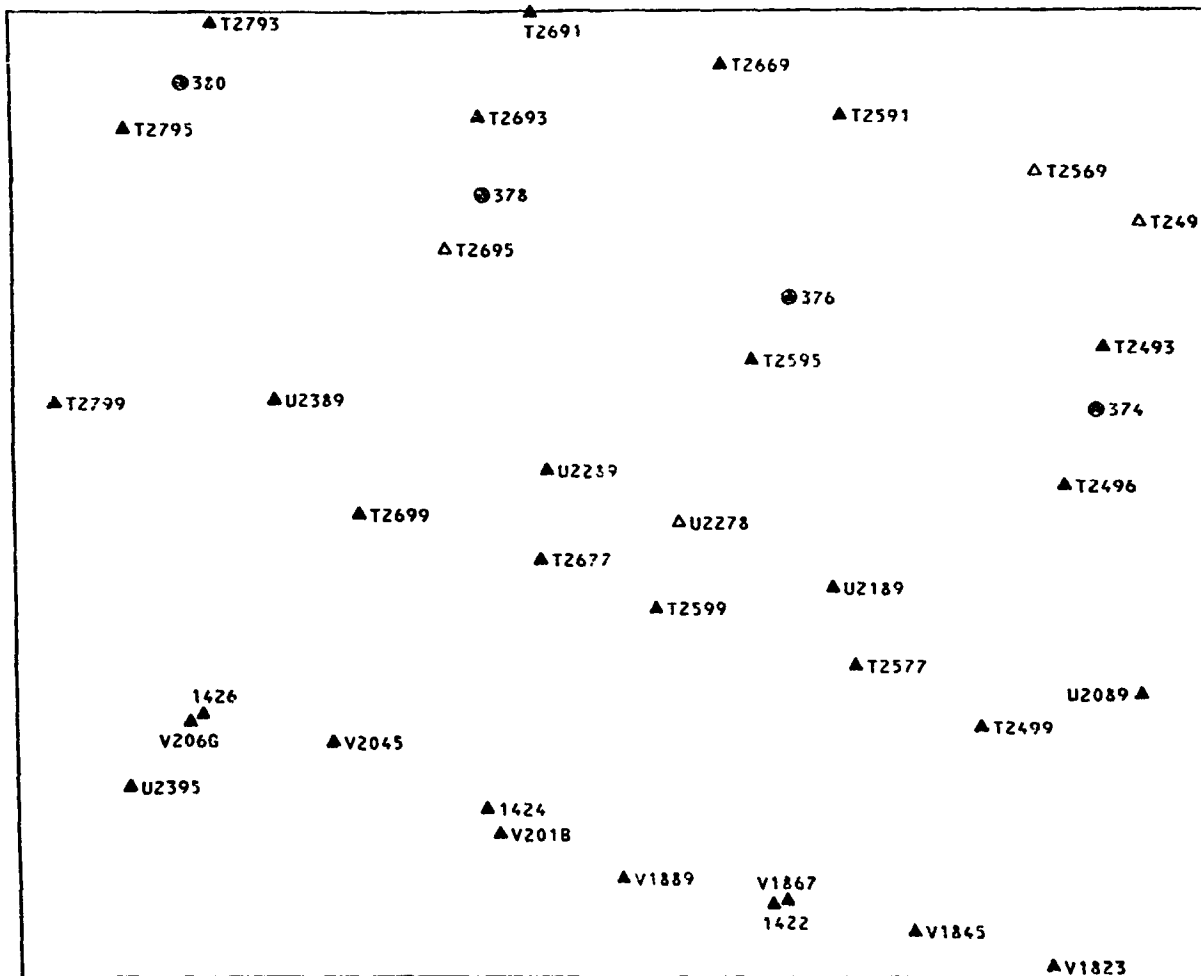
TERRAIN POINTS ON MAP SHEET 83A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V2289	X = -752438 Y = 1564621 Z = -117161	15 18 12	LAT. = - 3 51 38.4 LONG. = 115 40 59.7 RAD. = 1740094.2	1.4 1.8 18.0
U2599	X = -749808 Y = 1556505 Z = -202285	20 21 16	LAT. = - 6 40 40.8 LONG. = 115 43 16.6 RAD. = 1739493.9	2.0 2.0 22.1
21079	X = -746475 Y = 1554528 Z = -230606	16 18 12	LAT. = - 7 37 .3 LONG. = 115 39 .1 RAD. = 1739816.2	1.4 1.8 19.1
G2863	X = -770219 Y = 1559015 Z = -9943	34 49 37	LAT. = - 0 19 39.5 LONG. = 116 17 28.7 RAD. = 1738925.9	4.4 3.9 49.4
U2593	X = -788081 Y = 1547174 Z = -106867	17 21 13	LAT. = - 3 31 19.1 LONG. = 116 59 34.2 RAD. = 1739609.1	1.5 2.0 22.0
1430	X = -783188 Y = 1548154 Z = -124502	17 21 12	LAT. = - 4 6 16.2 LONG. = 116 50 3.0 RAD. = 1739444.3	1.4 2.0 22.0
V2267	X = -778762 Y = 1550155 Z = -129885	15 18 12	LAT. = - 4 16 54.6 LONG. = 116 40 26.0 RAD. = 1739632.2	1.3 1.8 18.0
V2249	X = -783470 Y = 1538428 Z = -205591	16 18 11	LAT. = - 6 47 27.7 LONG. = 116 59 17.6 RAD. = 1738635.3	1.3 1.9 18.4
U2589	X = -801095 Y = 1542931 Z = -39678	17 22 18	LAT. = - 1 18 26.8 LONG. = 117 26 18.6 RAD. = 1738954.4	2.1 2.0 22.2
T2899	X = -810845 Y = 1537627 Z = -67387	16 17 11	LAT. = - 2 13 12.0 LONG. = 117 48 15.3 RAD. = 1739628.1	1.3 1.9 16.5
V2245	X = -811946 Y = 1531731 Z = -141590	16 22 17	LAT. = - 4 40 8.9 LONG. = 117 55 38.4 RAD. = 1739397.2	2.0 2.0 22.0
T2895	X = -829034 Y = 1528979 Z = -7470	19 21 13	LAT. = - 0 14 45.8 LONG. = 118 28 1.9 RAD. = 1739290.2	1.6 2.1 22.7

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TERRAIN POINTS ON MAP SHEET 83A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V2224	X = -839716 Y = 1515860 Z = -159919	16 18 12	LAT. = - 5 16 21.2 LONG. = 118 59 3.9 RAD. = 1740266.9	1.4 1.9 18.5
U2499	X = -809216 Y = 1521236 Z = -228305	21 21 16	LAT. = - 7 32 51.5 LONG. = 118 0 38.2 RAD. = 1738134.7	2.0 2.1 23.2
U2489	X = -858855 Y = 1510307 Z = -70308	18 22 18	LAT. = - 2 19 2.3 LONG. = 119 37 30.9 RAD. = 1738850.5	2.1 2.1 23.0
U2493	X = -845495 Y = 1512326 Z = -128945	19 22 13	LAT. = - 4 15 22.4 LONG. = 119 12 29.6 RAD. = 1737417.7	1.5 2.1 23.3
1428	X = -844023 Y = 1510682 Z = -150399	19 22 13	LAT. = - 4 58 2.0 LONG. = 119 11 32.0 RAD. = 1736995.8	1.5 2.1 23.3
V2090	X = -864597 Y = 1499488 Z = -173398	17 21 17	LAT. = - 5 43 14.5 LONG. = 119 58 3.1 RAD. = 1739557.7	1.9 2.0 21.8



○ RANGE
OBSERVATION ▲ ◻ < 30H
 ▲ ◻ < 100H
 ▼ ◻ > 100H

MAP SHEET 83B

TERRAIN POINTS ON MAP SHEET 83B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T2795	X = -894049 Y = 1491364 Z = -29206	21 21 13	LAT. = - 0 57 44.2 LONG. = 120 56 31.2 RAD. = 1739064.2	1.6 2.2 23.1
T2799	X = -877192 Y = 1498242 Z = -98177	22 21 17	LAT. = - 3 14 11.7 LONG. = 120 20 53.3 RAD. = 1738917.3	2.1 2.3 23.3
U2395	X = -889555 Y = 1483872 Z = -194784	20 21 13	LAT. = - 6 25 25.3 LONG. = 120 56 31.0 RAD. = 1741013.3	1.5 2.1 23.0
T2793	X = -912733 Y = 1479027 Z = -2825	20 22 13	LAT. = - 0 5 35.3 LONG. = 121 40 46.0 RAD. = 1737990.3	1.6 2.2 23.2
380	X = -906383 Y = 1483431 Z = -17549	19 18 13	LAT. = - 0 34 42.1 LONG. = 121 25 30.4 RAD. = 1738506.4	1.6 2.2 17.6
1426	X = -906617 Y = 1476007 Z = -176564	19 21 13	LAT. = - 5 49 12.2 LONG. = 121 33 35.1 RAD. = 1741185.3	1.5 2.1 22.9
V206G	X = -903675 Y = 1477424 Z = -178560	19 21 13	LAT. = - 5 53 11.3 LONG. = 121 27 8.3 RAD. = 1741061.0	1.5 2.1 22.9
U2389	X = -924224 Y = 1467827 Z = -97443	19 23 18	LAT. = - 3 12 55.2 LONG. = 122 11 48.3 RAD. = 1737297.3	2.1 2.2 23.5
T2699	X = -942497 Y = 1456679 Z = -126473	18 17 12	LAT. = - 4 10 9.2 LONG. = 122 54 12.9 RAD. = 1739600.5	1.4 2.1 17.7
V2045	X = -933325 Y = 1455722 Z = -183520	17 18 13	LAT. = - 6 3 28.9 LONG. = 122 39 56.3 RAD. = 1738937.3	1.5 2.0 18.6
T2693	X = -970209 Y = 1442304 Z = -26688	20 21 14	LAT. = - 0 52 46.6 LONG. = 123 55 40.6 RAD. = 1738464.3	1.6 2.2 22.6
378	X = -970533 Y = 1441188 Z = -46142	19 18 13	LAT. = - 1 31 16.4 LONG. = 123 57 26.4 RAD. = 1738127.3	1.6 2.2 17.7

TERRAIN POINTS ON MAP SHEET 83B (CONTINUED)

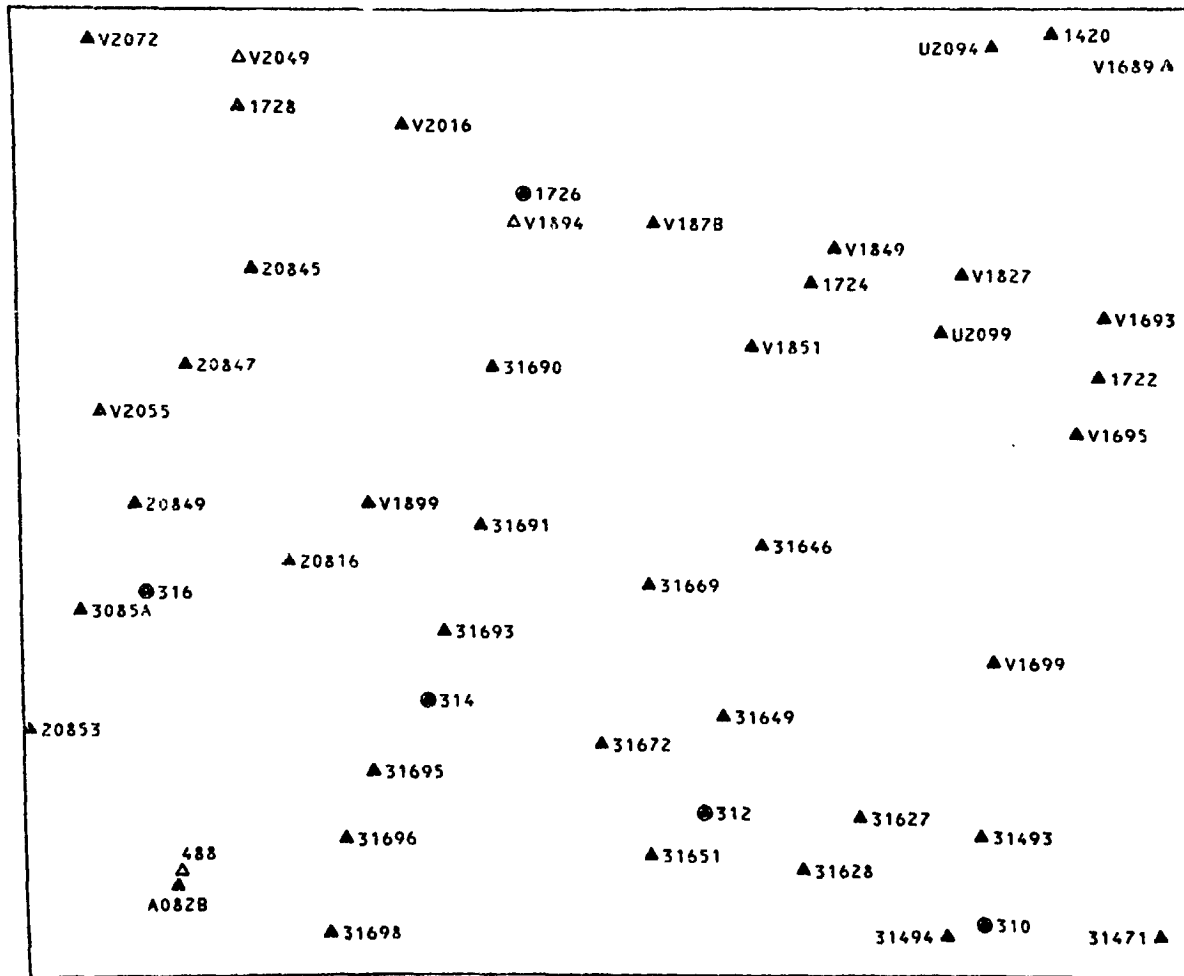
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T2695	X = -962345 Y = 1446072 Z = -59840	22 34 16	LAT. = - 1 58 23.0 LONG. = 123 38 36.0 RAD. = 1738048.5	1.9 2.5 34.5
1424	X = -966195 Y = 1434588 Z = -200452	20 21 14	LAT. = - 6 36 38.7 LONG. = 123 57 36.9 RAD. = 1741193.5	1.6 2.3 22.3
T2691	X = -982758 Y = 1436741 Z = -544	19 19 13	LAT. = - 0 1 4.5 LONG. = 124 22 22.4 RAD. = 1740700.7	1.5 2.2 19.5
U2289	X = -981145 Y = 1428171 Z = -115285	19 22 19	LAT. = - 3 48 23.4 LONG. = 124 29 19.9 RAD. = 1736550.8	2.1 2.2 23.1
T2677	X = -979189 Y = 1428350 Z = -137707	18 18 12	LAT. = - 4 32 47.5 LONG. = 124 25 55.7 RAD. = 1737227.0	1.4 2.1 17.9
V2018	X = -968497 Y = 1431931 Z = -206754	19 21 13	LAT. = - 6 49 12.7 LONG. = 124 4 21.9 RAD. = 1741022.8	1.5 2.2 22.3
T2669	X = -1020695 Y = 1407201 Z = -13713	20 19 13	LAT. = - 0 27 7.0 LONG. = 125 57 17.2 RAD. = 1738454.0	1.6 2.2 20.3
U2278	X = -1008659 Y = 1409359 Z = -128507	23 32 29	LAT. = - 4 14 26.1 LONG. = 125 35 26.8 RAD. = 1737872.2	3.2 2.4 35.6
T2599	X = -1002711 Y = 1411457 Z = -149940	18 18 12	LAT. = - 4 56 58.5 LONG. = 125 23 25.1 RAD. = 1737850.5	1.4 2.1 18.1
V1889	X = -992781 Y = 1412593 Z = -217622	17 18 13	LAT. = - 7 11 1.8 LONG. = 125 5 59.4 RAD. = 1740227.6	1.4 2.1 18.8
T2591	X = -1046395 Y = 1390517 Z = -26527	19 18 13	LAT. = - 0 52 23.9 LONG. = 126 57 44.2 RAD. = 1740455.0	1.5 2.2 19.0
376	X = -1033682 Y = 1395616 Z = -72043	19 18 15	LAT. = - 2 22 31.3 LONG. = 126 31 33.7 RAD. = 1738226.7	1.7 2.3 17.9

TERRAIN POINTS ON MAP SHEET 83B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T2595	X = -1025458 Y = 1400721 Z = -87824	21 21 13	LAT. = - 2 53 46.2 LONG. = 126 12 27.3 RAD. = 1738187.4	1.6 2.2 22.6
U2189	X = -1041592 Y = 1388013 Z = -145196	19 21 18	LAT. = - 4 46 57.9 LONG. = 126 53 6.9 RAD. = 1741429.3	2.0 2.2 22.4
V1867	X = -1026611 Y = 1388017 Z = -223248	18 19 13	LAT. = - 7 22 5.4 LONG. = 126 29 15.1 RAD. = 1740793.3	1.4 2.1 19.0
1422	X = -1023709 Y = 1390028 Z = -224109	20 21 13	LAT. = - 7 23 48.3 LONG. = 126 22 13.5 RAD. = 1740799.5	1.5 2.2 22.4
T2577	X = -1045337 Y = 1383265 Z = -164825	18 18 12	LAT. = - 5 25 49.7 LONG. = 127 4 42.3 RAD. = 1741642.5	1.4 2.1 17.9
V1845	X = -1052008 Y = 1368360 Z = -230987	18 19 13	LAT. = - 7 37 20.7 LONG. = 127 33 12.3 RAD. = 1741402.8	1.5 2.1 19.3
T2569	X = -1083890 Y = 1358987 Z = -40475	31 22 19	LAT. = - 1 20 1.8 LONG. = 128 34 29.5 RAD. = 1738764.4	2.3 2.7 31.0
T2496	X = -1088881 Y = 1353516 Z = -119444	21 21 13	LAT. = - 3 56 .3 LONG. = 128 48 58.0 RAD. = 1741245.5	1.6 2.3 22.4
T2499	X = -1067776 Y = 1360581 Z = -179808	19 18 12	LAT. = - 5 56 7.1 LONG. = 128 7 28.6 RAD. = 1738866.3	1.4 2.2 18.4
V1823	X = -1079063 Y = 1346158 Z = -239735	20 19 15	LAT. = - 7 54 39.3 LONG. = 128 42 54.8 RAD. = 1741836.0	1.6 2.2 21.2
T2491	X = -1105692 Y = 1344828 Z = -53298	32 21 19	LAT. = - 1 45 12.5 LONG. = 129 25 35.0 RAD. = 1741826.4	2.3 2.8 30.5
T2493	X = -1097753 Y = 1349067 Z = -84622	21 21 14	LAT. = - 2 47 7.7 LONG. = 129 8 8.5 RAD. = 1741322.2	1.6 2.3 22.4

TERRAIN POINTS ON MAP SHEET 83B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
374	X = -1095805 Y = 1349352 Z = -100210	19 18 13	LAT. = - 3 17 58.0 LONG. = 129 4 47.8 RAD. = 1741143.9	1.6 2.3 18.0
U2089	X = -1098922 Y = 1335643 Z = -171390	20 22 19	LAT. = - 5 39 32.5 LONG. = 129 26 47.0 RAD. = 1738087.2	2.1 2.3 23.3



○ RANGE
OBSERVATION ▲ ◦ < 30M
 ▼ ◦ < 100M
 ▲ ◦ > 100M

MAP SHEET 83C

TERRAIN POINTS ON MAP SHEET 83C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V2072	X = -878012	18	LAT. = - 8 15 7.5	1.4
	Y = 1481825	18	LONG. = 120 38 51.4	2.0
	Z = -249802	12	RAD. = 1740434.6	19.2
V2055	X = -871978	21	LAT. = -11 19 23.8	2.0
	Y = 1469012	20	LONG. = 120 41 33.3	2.1
	Z = -342077	15	RAD. = 1742228.3	21.5
20849	X = -876354	18	LAT. = -12 5 38.1	1.8
	Y = 1460203	19	LONG. = 120 58 13.6	2.0
	Z = -364901	18	RAD. = 1741649.1	22.1
3085A	X = -859563	17	LAT. = -12 58 26.6	1.4
	Y = 1459357	18	LONG. = 120 29 53.2	2.0
	Z = -390211	13	RAD. = 1738055.4	19.6
20853	X = -844553	16	LAT. = -13 57 15.1	1.4
	Y = 1460085	16	LONG. = 120 2 46.5	1.9
	Z = -419121	12	RAD. = 1738039.5	16.5
V2049	X = -910303	28	LAT. = - 8 23 47.3	1.8
	Y = 1462052	25	LONG. = 121 54 26.0	2.4
	Z = -254216	17	RAD. = 1740940.1	33.5
1728	X = -908761	18	LAT. = - 8 47 48.1	1.5
	Y = 1460504	20	LONG. = 121 53 27.2	2.1
	Z = -266192	13	RAD. = 1740625.4	21.6
20845	X = -906797	18	LAT. = -10 8 31.1	1.5
	Y = 1452182	19	LONG. = 121 58 56.0	2.1
	Z = -306256	13	RAD. = 1739226.4	19.4
20847	X = -891656	16	LAT. = -10 56 20.1	1.4
	Y = 1459514	16	LONG. = 121 25 18.7	2.0
	Z = -330562	12	RAD. = 1741982.7	16.2
316	X = -875051	17	LAT. = -12 49 14.6	1.6
	Y = 1453273	16	LONG. = 121 3 11.4	2.1
	Z = -386054	14	RAD. = 1739757.0	15.3
488	X = -873454	31	LAT. = -15 7 34.6	1.9
	Y = 1435145	27	LONG. = 121 19 31.5	2.6
	Z = -454138	20	RAD. = 1740345.9	36.9
A082B	X = -872195	16	LAT. = -15 15 2.7	1.4
	Y = 1434853	18	LONG. = 121 17 38.1	2.0
	Z = -457811	14	RAD. = 1740436.8	19.8

TERRAIN POINTS ON MAP SHEET 83C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V1899	X = -925972 Y = 1427954 Z = -364457	22 20 15	LAT. = -12 5 13.7 LONG. = 122 57 42.6 RAD. = 1740489.8	2.0 2.2 22.0
20816	X = -906450 Y = 1435291 Z = -378354	17 21 22	LAT. = -12 33 53.2 LONG. = 122 16 27.2 RAD. = 1739213.4	2.2 2.2 23.0
31695	X = -917298 Y = 1413395 Z = -429845	17 18 13	LAT. = -14 18 40.4 LONG. = 122 59 1.4 RAD. = 1738932.5	1.4 2.0 19.6
31696	X = -908954 Y = 1413644 Z = -446119	16 16 12	LAT. = -14 51 57.7 LONG. = 122 44 25.7 RAD. = 1738853.3	1.3 1.9 16.4
31698	X = -902292 Y = 1411303 Z = -469245	16 16 12	LAT. = -15 38 57.3 LONG. = 122 35 31.5 RAD. = 1739568.4	1.3 1.9 16.4
V2016	X = -943648 Y = 1438041 Z = -270912	18 18 12	LAT. = - 8 57 3.2 LONG. = 123 16 22.9 RAD. = 1741214.5	1.4 2.0 18.9
31691	X = -948278 Y = 1410076 Z = -369594	16 17 12	LAT. = -12 16 14.7 LONG. = 123 55 15.2 RAD. = 1739006.7	1.4 2.0 16.8
31693	X = -937437 Y = 1410770 Z = -395779	17 19 15	LAT. = -13 9 6.2 LONG. = 123 36 12.5 RAD. = 1739454.6	1.5 2.0 19.5
314	X = -931309 Y = 1409412 Z = -412550	17 16 14	LAT. = -13 43 25.3 LONG. = 123 27 21.2 RAD. = 1738958.8	1.6 2.2 15.5
1726	X = -967849 Y = 1418600 Z = -288147	18 16 13	LAT. = - 9 31 29.6 LONG. = 124 18 14.4 RAD. = 1741317.5	1.5 2.1 16.2
V1894	X = -965556 Y = 1419405 Z = -295400	30 25 15	LAT. = - 9 45 48.9 LONG. = 124 13 32.3 RAD. = 1741915.3	1.6 2.5 33.7
31690	X = -954493 Y = 1413254 Z = -330204	18 21 22	LAT. = -10 57 29.6 LONG. = 124 2 4.4 RAD. = 1737060.2	2.3 2.2 23.1

TERRAIN POINTS ON MAP SHEET 83C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31672	X = -966212 Y = 1382338 Z = -423308	17 19 15	LAT. = -14 5 22.9 LONG. = 124 57 8.5 RAD. = 1738853.9	1.5 2.1 19.9
V187B	X = -994163 Y = 1398309 Z = -295636	22 21 15	LAT. = - 9 46 36.4 LONG. = 125 24 42.8 RAD. = 1740984.5	1.9 2.3 22.6
31669	X = -981230 Y = 1382386 Z = -384208	17 17 12	LAT. = -12 46 11.4 LONG. = 125 22 2.9 RAD. = 1738222.6	1.4 2.1 17.6
512	X = -986056 Y = 1364868 Z = -440425	18 16 14	LAT. = -14 39 29.7 LONG. = 125 50 47.1 RAD. = 1740444.4	1.6 2.2 15.7
31651	X = -973582 Y = 1370908 Z = -450902	18 18 13	LAT. = -15 0 41.3 LONG. = 125 22 52.8 RAD. = 1740851.4	1.4 2.1 19.7
V1849	X = -1029919 Y = 1369517 Z = -301746	19 21 13	LAT. = - 9 59 13.0 LONG. = 126 56 39.5 RAD. = 1739931.2	1.5 2.2 22.3
1724	X = -1024610 Y = 1372627 Z = -310558	20 21 13	LAT. = -10 16 35.7 LONG. = 126 44 23.4 RAD. = 1740798.2	1.5 2.2 22.2
V1851	X = -1010165 Y = 1378211 Z = -325866	21 20 13	LAT. = -10 47 46.4 LONG. = 126 14 22.9 RAD. = 1739565.3	1.5 2.2 22.4
31646	X = -1007552 Y = 1369830 Z = -375343	18 21 20	LAT. = -12 26 50.1 LONG. = 126 20 8.3 RAD. = 1741401.7	2.1 2.3 22.5
31649	X = -992535 Y = 1365861 Z = -416672	17 19 15	LAT. = -13 51 45.8 LONG. = 126 0 17.7 RAD. = 1739056.2	1.0 2.1 20.0
31628	X = -1004217 Y = 1347720 Z = -454518	19 21 19	LAT. = -15 7 57.4 LONG. = 126 41 26.3 RAD. = 1741088.2	1.9 2.3 22.7
U2099	X = -1048423 Y = 1349012 Z = -322501	23 21 15	LAT. = -10 41 22.0 LONG. = 127 51 12.9 RAD. = 1738686.9	2.0 2.3 23.2

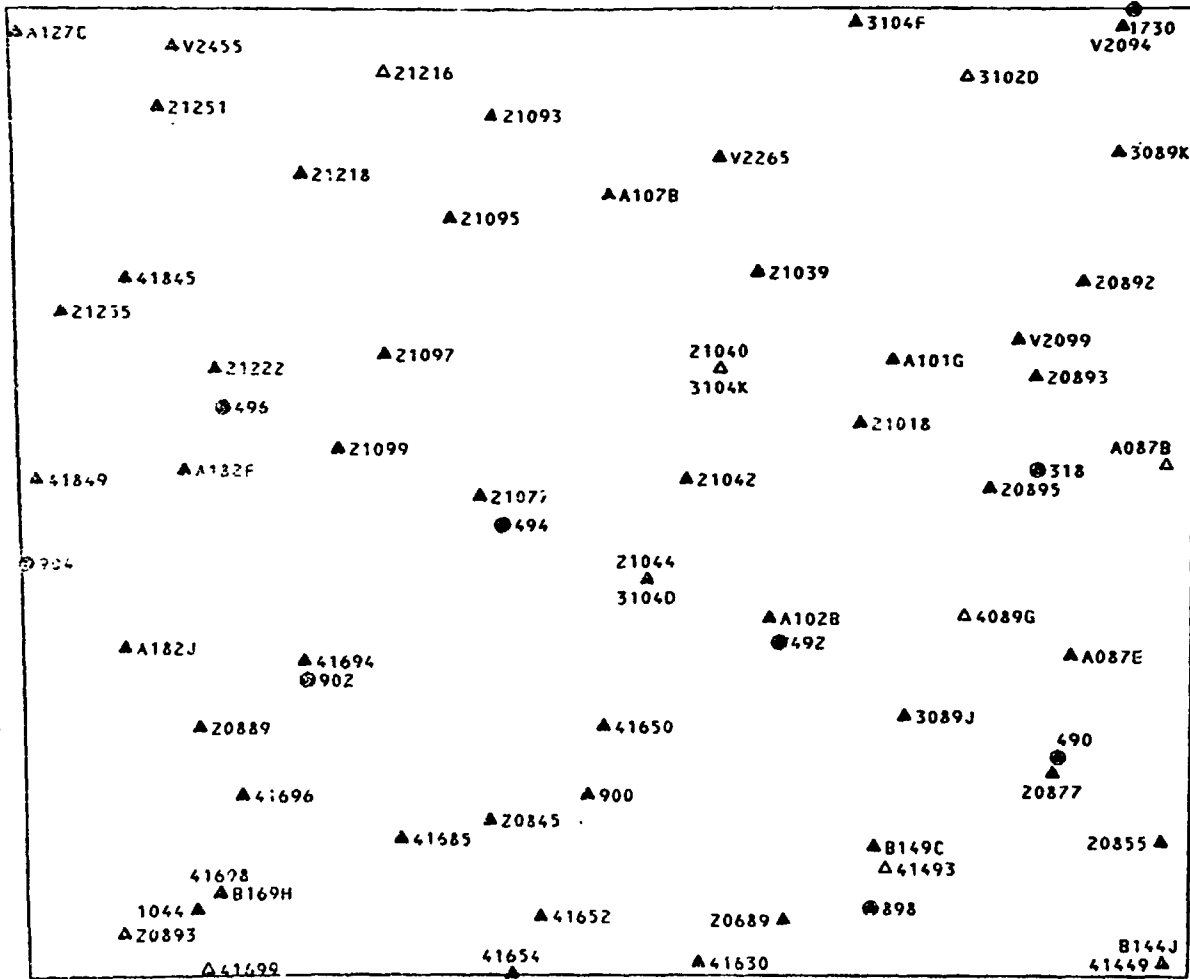
TERRAIN POINTS ON MAP SHEET 83C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31627	X = -1017653 Y = 1341383 Z = -441701	17 19 15	LAT. = -14 41 58.2 LONG. = 127 11 10.0 RAD. = 1740696.9	1.6 2.2 20.1
31494	X = -1030320 Y = 1321517 Z = -470169	18 18 14	LAT. = -15 40 23.2 LONG. = 127 56 30.2 RAD. = 1740409.6	1.5 2.2 19.9
1420	X = -1079400 Y = 1343868 Z = -248827	21 21 13	LAT. = - 8 12 51.6 LONG. = 128 46 17.6 RAD. = 1741551.5	1.5 2.3 22.7
U2094	X = -1067023 Y = 1352433 Z = -251998	21 20 13	LAT. = - 8 19 20.5 LONG. = 128 16 20.0 RAD. = 1741009.9	1.5 2.3 22.8
V1827	X = -1052981 Y = 1346657 Z = -307798	19 19 12	LAT. = -10 12 25.5 LONG. = 128 1 21.5 RAD. = 1736949.6	1.4 2.2 20.1
V1699	X = -1049731 Y = 1327815 Z = -403734	23 21 15	LAT. = -13 24 56.5 LONG. = 128 19 43.9 RAD. = 1740123.4	2.0 2.3 22.8
31493	X = -1041165 Y = 1321423 Z = -446164	18 19 15	LAT. = -14 51 12.1 LONG. = 128 14 6.0 RAD. = 1740472.7	1.6 2.2 20.0
310	X = -1038169 Y = 1316110 Z = -467299	18 17 14	LAT. = -15 34 36.8 LONG. = 128 16 1.0 RAD. = 1740203.9	1.6 2.3 16.2
V1689	X = -1100966 Y = 1324475 Z = -256604	19 19 14	LAT. = - 8 28 26.6 LONG. = 129 44 5.8 RAD. = 1741322.7	1.5 2.2 19.6
V1693	X = -1080038 Y = 1322863 Z = -318506	19 19 12	LAT. = -10 33 52.5 LONG. = 129 13 46.5 RAD. = 1737208.9	1.4 2.2 19.9
1722	X = -1078436 Y = 1322831 Z = -333495	21 21 13	LAT. = -11 3 22.8 LONG. = 129 11 19.0 RAD. = 1739001.5	1.5 2.3 22.8
V1695	X = -1074507 Y = 1326272 Z = -347954	21 21 13	LAT. = -11 31 18.7 LONG. = 129 0 48.2 RAD. = 1742020.7	1.5 2.3 22.3

TERRAIN POINTS ON MAP SHEET 83C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31471	X = -1071930 Y = 1287715 Z = -469970	18 19 16	LAT. = -15 40 7.4 LONG. = 129 46 29.8 RAD. = 1740148.7	1.6 2.3 20.4

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR



○ RANGE
OBSERVATION ▲ ◦ < 30M
 △ ◦ < 100M
 ▽ ◦ > 100M

MAP SHEET 83D

TERRAIN POINTS ON MAP SHEET 83D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A127C	X = -589826 Y = 1614812 Z = -247658	15 22 18	LAT. = - 8 11 50.9 LONG. = 110 3 54.8 RAD. = 1736906.7	2.0 1.9 23.1
41845	X = -612087 Y = 1599809 Z = -308925	15 21 19	LAT. = -10 13 24.6 LONG. = 110 56 12.7 RAD. = 1740538.4	2.1 1.9 21.5
21255	X = -595996 Y = 1603896 Z = -317143	13 15 11	LAT. = -10 30 2.2 LONG. = 110 23 4.8 RAD. = 1740193.7	1.2 1.5 15.0
41349	X = -586307 Y = 1598164 Z = -358433	13 15 12	LAT. = -11 53 25.0 LONG. = 110 8 46.4 RAD. = 1739643.4	1.3 1.5 15.8
904	X = -582071 Y = 1595720 Z = -379245	15 14 13	LAT. = -12 35 10.3 LONG. = 110 2 25.6 RAD. = 1740389.4	1.5 1.8 14.3
A182J	X = -603237 Y = 1582207 Z = -400032	18 22 14	LAT. = -13 17 31.4 LONG. = 110 52 12.0 RAD. = 1739913.9	1.9 1.9 22.0
Z0893	X = -595460 Y = 1566338 Z = -469510	14 17 13	LAT. = -15 39 7.8 LONG. = 110 48 53.4 RAD. = 1740238.0	1.4 1.7 17.9
V2455	X = -626974 Y = 1602145 Z = -251244	17 21 16	LAT. = - 8 18 30.1 LONG. = 111 22 19.5 RAD. = 1738703.1	2.0 1.8 21.0
21251	X = -622722 Y = 1602887 Z = -266504	14 18 12	LAT. = - 8 48 34.7 LONG. = 111 13 52.2 RAD. = 1740130.5	1.4 1.6 18.3
21222	X = -630744 Y = 1586723 Z = -330903	13 16 11	LAT. = -10 58 3.7 LONG. = 111 40 42.6 RAD. = 1739259.7	1.3 1.6 16.4
496	X = -631879 Y = 1584435 Z = -340615	16 15 15	LAT. = -11 17 32.7 LONG. = 111 44 32.3 RAD. = 1739460.5	1.8 2.0 14.4
A182F	X = -621644 Y = 1586136 Z = -356352	16 21 13	LAT. = -11 48 52.3 LONG. = 111 24 4.9 RAD. = 1740475.9	1.6 1.8 21.8

TERRAIN POINTS ON MAP SHEET 83D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
20889	X = -617720 Y = 1568772 Z = -418873	14 17 17	LAT. = -13 57 8.2 LONG. = 111 29 33.1 RAD. = 1737262.7	1.8 1.8 18.6
41696	X = -625962 Y = 1561064 Z = -435408	13 15 12	LAT. = -14 30 50.9 LONG. = 111 51 .0 RAD. = 1737333.8	1.3 1.6 15.1
41698	X = -619218 Y = 1560222 Z = -459717	13 15 12	LAT. = -15 18 57.4 LONG. = 111 38 49.4 RAD. = 1740420.8	1.3 1.6 15.3
B169H	X = -619338 Y = 1560230 Z = -459763	16 21 15	LAT. = -15 19 1.0 LONG. = 111 39 2.7 RAD. = 1740482.9	1.6 1.9 22.5
1044	X = -613130 Y = 1560706 Z = -463617	16 21 14	LAT. = -15 27 19.3 LONG. = 111 26 51.3 RAD. = 1739733.2	1.6 1.9 22.5
41699	X = -613990 Y = 1556567 Z = -478114	20 41 22	LAT. = -15 56 47.1 LONG. = 111 31 36.6 RAD. = 1740252.3	3.6 2.1 36.6
21218	X = -655297 Y = 1587548 Z = -283126	14 18 13	LAT. = - 9 21 39.7 LONG. = 112 25 46.3 RAD. = 1740656.3	1.4 1.7 18.6
21099	X = -656929 Y = 1568927 Z = -350335	16 19 12	LAT. = -11 38 18.3 LONG. = 112 43 10.8 RAD. = 1736612.4	1.5 1.8 19.6
41694	X = -644737 Y = 1564188 Z = -403146	14 17 12	LAT. = -13 24 10.4 LONG. = 112 24 2.9 RAD. = 1739223.4	1.4 1.7 17.3
902	X = -644639 Y = 1562346 Z = -407549	16 15 15	LAT. = -13 33 26.4 LONG. = 112 25 17.5 RAD. = 1738556.9	1.8 2.0 14.4
21216	X = -676079 Y = 1582215 Z = -257840	22 33 21	LAT. = - 8 31 21.3 LONG. = 113 8 13.1 RAD. = 1739818.2	2.9 2.0 27 3
21095	X = -689342 Y = 1570826 Z = -294151	15 18 13	LAT. = - 9 43 43.4 LONG. = 113 41 37.7 RAD. = 1740463.0	1.4 1.7 18.8

TERRAIN POINTS ON MAP SHEET 83D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
21097	X = -669720	14	LAT. = -10 51 36.6	1.3
	Y = 1568324	16	LONG. = 113 7 26.0	1.6
	Z = -327166	12	RAD. = 1736433.5	16.5
21077	X = -690601	16	LAT. = -12 2 8.2	1.4
	Y = 1556342	18	LONG. = 113 55 42.4	1.8
	Z = -363022	12	RAD. = 1740952.1	18.6
20845	X = -684373	14	LAT. = -14 43 10.7	1.7
	Y = 1538290	18	LONG. = 113 59 2.1	1.8
	Z = -4423 6	17	RAD. = 1740788.8	18.5
41685	X = -662675	13	LAT. = -14 52 14.1	1.3
	Y = 1545124	15	LONG. = 113 12 48.9	1.6
	Z = -446418	11	RAD. = 1739493.1	14.5
21093	X = -700622	18	LAT. = - 8 52 49.7	2.0
	Y = 1569629	21	LONG. = 114 3 15.0	1.9
	Z = -268572	15	RAD. = 1739751.9	21.5
494	X = -695060	15	LAT. = -12 16 19.4	1.6
	Y = 1552493	15	LONG. = 114 7 5.9	1.9
	Z = -370005	13	RAD. = 1740760.5	14.5
41650	X = -712814	14	LAT. = -13 56 39.1	1.3
	Y = 1530249	16	LONG. = 114 58 36.6	1.7
	Z = -419151	12	RAD. = 1739383.0	15.9
900	X = -706167	18	LAT. = -14 30 35.3	1.8
	Y = 1525889	22	LONG. = 114 50 3.3	2.2
	Z = -435139	16	RAD. = 1736765.4	22.8
41652	X = -692053	13	LAT. = -15 30 51.9	1.3
	Y = 1524344	15	LONG. = 114 25 5.1	1.7
	Z = -464719	11	RAD. = 1737390.6	15.0
41654	X = -684299	17	LAT. = -15 59 26.6	1.7
	Y = 1525282	17	LONG. = 114 9 46.1	2.0
	Z = -479074	15	RAD. = 1739040.5	18.1
V2265	X = -752722	19	LAT. = - 9 14 6.0	1.8
	Y = 1543777	21	LONG. = 115 59 35.4	2.0
	Z = -279253	14	RAD. = 1740063.3	22.0
A1078	X = -726297	16	LAT. = - 9 32 35.3	2.2
	Y = 1554352	22	LONG. = 115 2 42.5	2.0
	Z = -288432	21	RAD. = 1739744.2	22.5

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TERRAIN POINTS ON MAP SHEET 83D (CONTINUED)

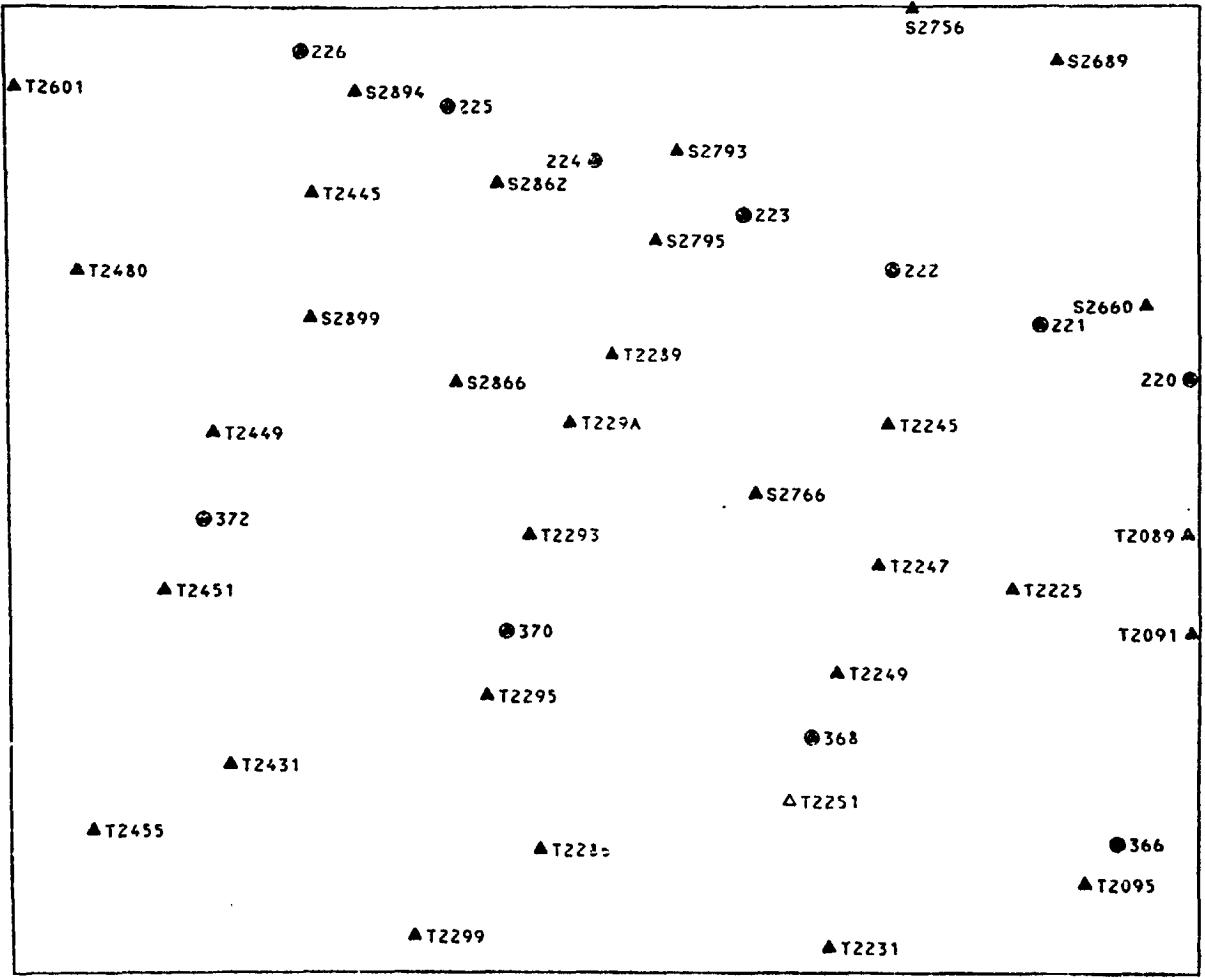
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
21040	X = -748068	32	LAT. = -10 58 50.7	1.8
	Y = 1534024	29	LONG. = 115 59 46.4	2.7
	Z = -331155	18	RAD. = 1738533.8	37.9
3104K	X = -748073	19	LAT. = -10 58 51.9	1.9
	Y = 1534042	39	LONG. = 115 59 46.0	2.3
	Z = -331168	15	RAD. = 1738554.0	38.1
21042	X = -738352	16	LAT. = -11 53 42.4	1.4
	Y = 1534010	18	LONG. = 115 42 9.1	1.8
	Z = -358612	12	RAD. = 1739814.1	19.1
21044	X = -726868	23	LAT. = -12 43 24.0	3.3
	Y = 1533586	39	LONG. = 115 21 33.8	2.2
	Z = -383189	21	RAD. = 1739843.7	37.8
3104D	X = -726863	17	LAT. = -12 43 26.1	1.4
	Y = 1533567	17	LONG. = 115 21 34.1	1.9
	Z = -383203	12	RAD. = 1739828.2	18.6
41630	X = -726684	14	LAT. = -15 53 44.3	1.4
	Y = 1504151	16	LONG. = 115 47 9.8	1.8
	Z = -475714	12	RAD. = 1736906.5	15.7
21039	X = -759077	15	LAT. = -10 11 1.4	1.5
	Y = 1534762	18	LONG. = 116 18 59.4	1.8
	Z = -307575	14	RAD. = 1739625.3	19.2
A102B	X = -754043	17	LAT. = -13 2 47.7	1.6
	Y = 1518239	21	LONG. = 116 24 41.7	2.0
	Z = -392815	14	RAD. = 1740096.2	22.5
492	X = -755050	16	LAT. = -13 14 48.5	1.6
	Y = 1515040	15	LONG. = 116 29 25.0	2.0
	Z = -398493	14	RAD. = 1739035.5	15.1
Z0689	X = -747487	15	LAT. = -15 32 41.9	1.8
	Y = 1497786	18	LONG. = 116 31 19.2	1.9
	Z = -465642	17	RAD. = 1737504.7	19.5
3104F	X = -784883	17	LAT. = - 8 7 7.0	2.3
	Y = 1531361	23	LONG. = 117 8 13.0	2.1
	Z = -245475	21	RAD. = 1738207.2	23.7
A101G	X = -788509	17	LAT. = -10 54 28.0	2.2
	Y = 1516994	22	LONG. = 117 27 52.8	2.3
	Z = -329473	21	RAD. = 1741139.9	22.3

TERRAIN POINTS ON MAP SHEET 83D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
21018	X = -779694 Y = 1518118 Z = -345144	16 21 18	LAT. = -11 25 59.1 LONG. = 117 11 4.9 RAD. = 1741186.9	1.9 2.0 22.3
3089J	X = -781107 Y = 1496237 Z = -416432	17 19 12	LAT. = -13 51 33.7 LONG. = 117 34 .1 RAD. = 1738467.3	1.5 1.9 19.7
B149C	X = -771578 Y = 1494670 Z = -448756	16 21 20	LAT. = -14 56 16.4 LONG. = 117 18 13.2 RAD. = 1740905.9	2.1 2.1 22.3
41493	X = -773595 Y = 1492362 Z = -454057	28 27 22	LAT. = -15 6 57.3 LONG. = 117 24 3.1 RAD. = 1741195.3	2.0 2.5 36.1
898	X = -769252 Y = 1492011 Z = -463718	18 15 15	LAT. = -15 26 33.3 LONG. = 117 16 29.1 RAD. = 1741516.6	1.8 2.2 15.2
3102D	X = -810109 Y = 1517854 Z = -259067	20 33 34	LAT. = - 8 33 46.9 LONG. = 118 5 23.0 RAD. = 1739906.0	3.6 2.3 37.3
V2099	X = -815184 Y = 1499780 Z = -323861	20 21 15	LAT. = -10 44 33.4 LONG. = 118 31 32.4 RAD. = 1737455.8	2.1 2.1 22.2
20893	X = -818732 Y = 1496659 Z = -333034	16 18 15	LAT. = -11 2 46.3 LONG. = 118 40 49.4 RAD. = 1738166.5	1.6 1.9 19.5
318	X = -817585 Y = 1493751 Z = -356332	17 16 13	LAT. = -11 49 8.0 LONG. = 118 41 36.7 RAD. = 1739744.6	1.6 2.1 15.3
20895	X = -805842 Y = 1497088 Z = -360596	17 20 13	LAT. = -11 58 28.2 LONG. = 118 17 32.6 RAD. = 1738011.2	1.5 2.0 20.6
4089G	X = -796678 Y = 1493249 Z = -391614	24 28 38	LAT. = -13 1 41.1 LONG. = 118 4 50.9 RAD. = 1737196.0	3.8 2.3 38.1
A087E	X = -819156 Y = 1478410 Z = -401333	17 23 18	LAT. = -13 21 27.0 LONG. = 118 59 23.7 RAD. = 1737176.4	1.8 2.1 24.5

TERRAIN POINTS ON MAP SHEET 83D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
490	X = -813431 Y = 1474707 Z = -425929	17 16 14	LAT. = -14 11 33.4 LONG. = 118 52 50.2 RAD. = 1737195.1	1.6 2.1 15.7
20877	X = -811867 Y = 1474556 Z = -429907	17 19 12	LAT. = -14 19 37.0 LONG. = 118 50 11.3 RAD. = 1737314.8	1.5 1.9 19.7
1730	X = -847993 Y = 1500488 Z = -242573	17 16 12	LAT. = - 8 0 40.7 LONG. = 119 28 21.8 RAD. = 1740516.5	1.5 2.0 15.8
V2094	X = -845312 Y = 1501495 Z = -246763	18 20 13	LAT. = - 8 8 59.6 LONG. = 119 22 43.2 RAD. = 1740669.5	1.5 2.0 21.6
3089K	X = -840402 Y = 1494438 Z = -277422	17 22 21	LAT. = - 9 11 28.1 LONG. = 119 21 4.8 RAD. = 1736831.4	2.2 2.1 23.4
20892	X = -830238 Y = 1493611 Z = -309433	16 16 11	LAT. = -10 15 49.4 LONG. = 119 4 4.4 RAD. = 1736640.2	1.3 1.9 16.4
A087B	X = -846159 Y = 1478849 Z = -355237	24 28 37	LAT. = -11 46 37.9 LONG. = 119 46 37.4 RAD. = 1740452.5	3.7 2.3 37.4
20855	X = -834412 Y = 1459337 Z = -447111	16 16 12	LAT. = -14 53 39.3 LONG. = 119 45 35.4 RAD. = 1739487.2	1.4 1.9 16.9
B144J	X = -831325 Y = 1452744 Z = -476424	23 26 36	LAT. = -15 53 18.2 LONG. = 119 46 48.5 RAD. = 1740271.8	3.4 2.3 36.3
41449	X = -831510 Y = 1452776 Z = -476659	18 20 15	LAT. = -15 53 41.0 LONG. = 119 47 6.3 RAD. = 1740451.4	1.6 2.1 22.1



○ RANGE
 OBSERVATION

▲ ◦ < 30M
 ▲ ◦ < 100M
 ▼ ◦ > 100M

MAP SHEET 84A

TERRAIN POINTS ON MAP SHEET 84A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T2601	X = -1120543 Y = 1331640 Z = -20032	20 23 18	LAT. = - 0 39 34.0 LONG. = 130 4 47.3 RAD. = 1740483.9	2.1 2.4 22.6
T2480	X = -1131296 Y = 1320479 Z = -66170	21 19 13	LAT. = - 2 10 45.5 LONG. = 130 35 15.7 RAD. = 1740078.2	1.5 2.3 20.2
T2455	X = -1125145 Y = 1308610 Z = -206307	19 18 12	LAT. = - 6 49 .9 LONG. = 130 41 20.4 RAD. = 1738094.7	1.5 2.2 18.6
T2449	X = -1156185 Y = 1296752 Z = -107067	21 21 14	LAT. = - 3 31 35.5 LONG. = 131 43 12.8 RAD. = 1740629.9	1.6 2.3 22.5
372	X = -1153566 Y = 1297754 Z = -128743	20 18 13	LAT. = - 4 14 25.8 LONG. = 131 38 1.3 RAD. = 1741107.5	1.6 2.3 18.6
T2451	X = -1144598 Y = 1302988 Z = -146640	22 21 14	LAT. = - 4 49 58.6 LONG. = 131 17 50.6 RAD. = 1740513.6	1.6 2.3 22.6
T2431	X = -1153177 Y = 1287967 Z = -190194	19 18 13	LAT. = - 6 16 41.6 LONG. = 131 50 22.5 RAD. = 1739209.4	1.5 2.2 18.5
226	X = -1175174 Y = 1283611 Z = -11004	22 19 14	LAT. = - 0 21 44.2 LONG. = 132 28 29.3 RAD. = 1740348.5	1.7 2.4 20.9
S2894	X = -1185445 Y = 1274350 Z = -21210	27 22 14	LAT. = - 0 41 53.5 LONG. = 132 55 48.2 RAD. = 1740602.3	1.7 2.4 28.1
T2445	X = -1175343 Y = 1279926 Z = -46724	20 18 13	LAT. = - 1 32 24.7 LONG. = 132 33 39.4 RAD. = 1738340.1	1.5 2.3 19.2
S2899	X = -1176421 Y = 1281847 Z = -78210	28 21 18	LAT. = - 2 34 25.8 LONG. = 132 32 39.5 RAD. = 1741613.0	2.1 2.5 27.9
225	X = -1203425 Y = 1258864 Z = -24862	22 19 14	LAT. = - 0 49 4.4 LONG. = 133 42 36.7 RAD. = 1741719.8	1.7 2.4 20.7

TERRAIN POINTS ON MAP SHEET 84A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2866	X = -1202277 Y = 1254927 Z = -94409	29 21 18	LAT. = - 3 6 34.0 LONG. = 133 46 21.1 RAD. = 1740466.8	2.2 2.6 28.3
T2299	X = -1184947 Y = 1253742 Z = -233275	24 21 16	LAT. = - 7 42 3.8 LONG. = 133 23 2.9 RAD. = 1740800.3	2.0 2.4 23.2
224	X = -1229631 Y = 1231833 Z = -38678	22 19 14	LAT. = - 1 16 22.9 LONG. = 134 56 55.5 RAD. = 1740948.4	1.7 2.4 20.4
S2862	X = -1210352 Y = 1247866 Z = -44356	28 22 14	LAT. = - 1 27 41.7 LONG. = 134 7 32.5 RAD. = 1738990.2	1.7 2.5 28.6
T229A	X = -1224203 Y = 1235811 Z = -104748	29 20 17	LAT. = - 3 26 45.7 LONG. = 134 43 46.7 RAD. = 1742662.6	2.1 2.6 27.4
T2293	X = -1212927 Y = 1239288 Z = -132674	22 21 14	LAT. = - 4 22 30.6 LONG. = 134 23 2.8 RAD. = 1739146.4	1.6 2.4 23.3
370	X = -1206560 Y = 1241455 Z = -156703	20 18 14	LAT. = - 5 10 19.9 LONG. = 134 11 .1 RAD. = 1738261.5	1.6 2.4 18.5
T2295	X = -1203859 Y = 1245781 Z = -173267	22 21 14	LAT. = - 5 42 41.2 LONG. = 134 1 10.5 RAD. = 1741053.7	1.6 2.4 23.0
T2286	X = -1208560 Y = 1231735 Z = -211407	20 18 13	LAT. = - 6 59 4.2 LONG. = 134 27 21.2 RAD. = 1738528.0	1.5 2.3 18.9
S2793	X = -1243527 Y = 1216268 Z = -36256	27 22 15	LAT. = - 1 11 38.6 LONG. = 135 38 5.7 RAD. = 1739821.7	1.7 2.4 28.0
S2795	X = -1240760 Y = 1221428 Z = -58902	27 21 14	LAT. = - 1 56 15.4 LONG. = 135 26 59.5 RAD. = 1742079.7	1.6 2.5 27.4
T2289	X = -1231492 Y = 1228217 Z = -87503	21 19 13	LAT. = - 2 52 48.5 LONG. = 135 4 34.6 RAD. = 1741477.8	1.5 2.3 20.1

TERRAIN POINTS ON MAP SHEET 84A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
223	X = -1256068	22	LAT. = - 1 43 33.6	1.6
	Y = 1204994	19	LONG. = 136 11 19.9	2.4
	Z = -52450	14	RAD. = 1741398.2	20.6
S2766	X = -1254979	29	LAT. = - 4 2 14.5	2.2
	Y = 1200083	21	LONG. = 136 16 51.4	2.6
	Z = -122561	17	RAD. = 1740744.9	27.8
T2249	X = -1266784	22	LAT. = - 5 31 30.9	1.6
	Y = 1182813	21	LONG. = 136 57 47.9	2.4
	Z = -167654	14	RAD. = 1741233.9	22.7
368	X = -1260802	22	LAT. = - 6 3 17.0	1.7
	Y = 1186192	19	LONG. = 136 44 47.2	2.6
	Z = -183617	15	RAD. = 1740801.0	18.9
T2251	X = -1255276	34	LAT. = - 6 34 59.0	1.7
	Y = 1188879	22	LONG. = 136 33 21.9	2.8
	Z = -199524	15	RAD. = 1740391.6	33.0
T2231	X = -1258087	20	LAT. = - 7 47 30.3	1.5
	Y = 1177875	18	LONG. = 136 53 9.5	2.4
	Z = -235826	13	RAD. = 1739478.5	19.2
S2756	X = -1286764	25	LAT. = - 0 1 7.3	2.4
	Y = 1174893	23	LONG. = 137 36 7.4	2.4
	Z = -568	20	RAD. = 1742450.8	27.2
222	X = -1279686	21	LAT. = - 2 10 47.5	1.6
	Y = 1175427	19	LONG. = 137 25 54.0	2.4
	Z = -66140	14	RAD. = 1738850.1	20.2
T2245	X = -1278565	20	LAT. = - 3 27 50.0	1.5
	Y = 1175881	18	LONG. = 137 23 44.3	2.3
	Z = -105145	13	RAD. = 1740252.9	19.4
T2247	X = -1274942	20	LAT. = - 4 37 49.0	1.5
	Y = 1176017	18	LONG. = 137 18 40.7	2.3
	Z = -140477	13	RAD. = 1740180.6	19.4
S2689	X = -1311029	24	LAT. = - 0 26 55.0	2.4
	Y = 1146976	23	LONG. = 138 49 6.2	2.4
	Z = -13639	20	RAD. = 1741992.2	26.5
221	X = -1306848	22	LAT. = - 2 38 .3	1.6
	Y = 1149142	19	LONG. = 138 40 26.7	2.4
	Z = -80040	14	RAD. = 1742063.8	20.4

TERRAIN POINTS ON MAP SHEET 84A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T2225	X = -1295906 Y = 1149013 Z = -146257	21 19 13	LAT. = - 4 49 37.2 LONG. = 138 26 17.7 RAD. = 1738101.1	1.5 2.4 20.4
S2660	X = -1324794 Y = 1129073 Z = -75401	26 21 15	LAT. = - 2 28 49.4 LONG. = 139 33 37.0 RAD. = 1742289.2	1.7 2.4 26.3
220	X = -1330197 Y = 1119336 Z = -93667	22 19 14	LAT. = - 3 5 2.5 LONG. = 139 55 12.0 RAD. = 1741008.4	1.6 2.4 20.1
T2089	X = -1325955 Y = 1116335 Z = -132547	21 19 13	LAT. = - 4 22 22.5 LONG. = 139 54 20.3 RAD. = 1738369.9	1.5 2.4 19.7
T2091	X = -1327102 Y = 1116299 Z = -157570	21 19 13	LAT. = - 5 11 30.3 LONG. = 139 55 51.5 RAD. = 1741307.0	1.5 2.4 19.9
366	X = -1311379 Y = 1127170 Z = -210236	21 19 14	LAT. = - 6 55 54.8 LONG. = 139 19 11.8 RAD. = 1741961.0	1.6 2.5 18.9
T2095	X = -1304193 Y = 1131725 Z = -220216	23 20 14	LAT. = - 7 16 3.9 LONG. = 139 2 59.7 RAD. = 1740751.7	1.6 2.5 22.8

TERRAIN POINTS ON MAP SHEET 84R

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2656	X = -1335300 Y = 1117195 Z = -30415	25 23 20	LAT. = - 1 0 3.0 LONG. = 140 4 55.4 RAD. = 1741286.2	2.3 2.4 26.6
S2589	X = -1361333 Y = 1084770 Z = -44585	25 23 20	LAT. = - 1 28 2.0 LONG. = 141 27 2.3 RAD. = 1741246.7	2.3 2.5 26.8
219	X = -1352888 Y = 1089000 Z = -107210	26 23 14	LAT. = - 3 31 56.7 LONG. = 141 10 4.3 RAD. = 1740034.8	1.6 2.5 27.2
S2562	X = -1365520 Y = 1075114 Z = -128472	27 21 14	LAT. = - 4 13 39.6 LONG. = 141 47 8.2 RAD. = 1742704.8	1.6 2.5 26.5
T206J	X = -1345614 Y = 1088061 Z = -177797	30 20 17	LAT. = - 5 51 58.5 LONG. = 141 2 27.8 RAD. = 1739588.3	2.2 2.7 27.7
364	X = -1360183 Y = 1065830 Z = -236277	21 19 14	LAT. = - 7 47 9.2 LONG. = 141 55 4.8 RAD. = 1744110.0	1.6 2.5 19.3
S2556	X = -1382203 Y = 1057295 Z = -56801	25 23 20	LAT. = - 1 52 10.2 LONG. = 142 35 11.0 RAD. = 1741144.4	2.3 2.5 26.9
218	X = -1376353 Y = 1059321 Z = -120787	22 19 14	LAT. = - 3 58 41.6 LONG. = 142 24 57.8 RAD. = 1741005.3	1.6 2.5 20.5
S2495	X = -1382559 Y = 1049822 Z = -136908	27 20 14	LAT. = - 4 28 47.3 LONG. = 142 47 21.9 RAD. = 1741290.6	1.6 2.6 26.2
T2045	X = -1376673 Y = 1052495 Z = -158754	21 19 13	LAT. = - 5 14 3.6 LONG. = 142 36 4.8 RAD. = 1740165.7	1.5 2.4 20.1
T2047	X = -1373475 Y = 1052981 Z = -185096	21 19 13	LAT. = - 6 6 16.7 LONG. = 142 31 27.3 RAD. = 1740535.5	1.5 2.4 20.0
S2489	X = -1405704 Y = 1023765 Z = -72879	25 22 19	LAT. = - 2 23 59.2 LONG. = 143 56 3.8 RAD. = 1740520.1	2.2 2.5 26.4

TERRAIN POINTS ON MAP SHEET 84B (CONTINUED)

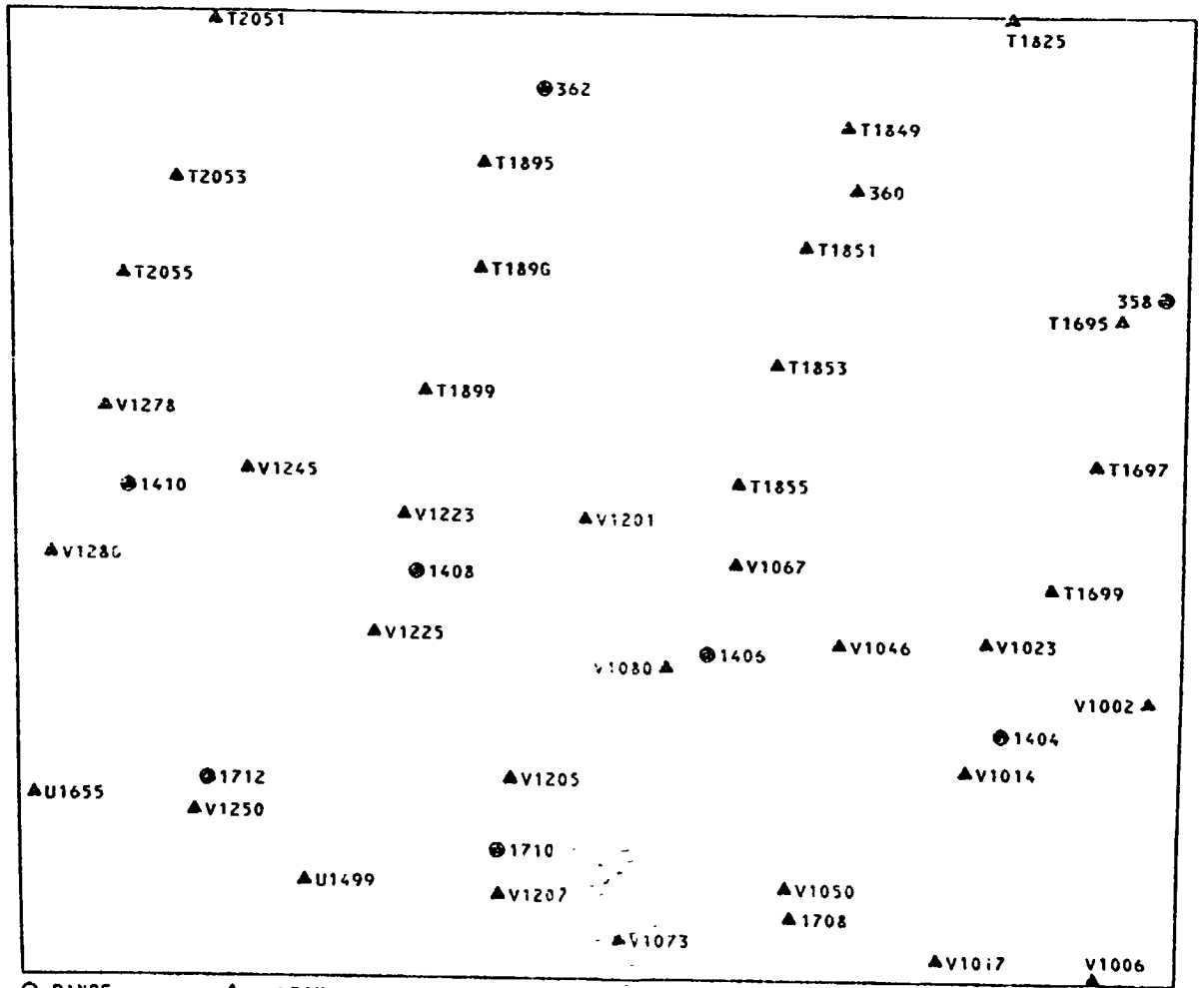
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2493	X = -1389661 Y = 1042604 Z = -115181	26 21 15	LAT. = - 3 47 35.2 LONG. = 143 7 14.3 RAD. = 1741105.2	1.7 2.5 26.2
217	X = -1398161 Y = 1028256 Z = -134247	22 19 14	LAT. = - 4 25 23.0 LONG. = 143 40 4.6 RAD. = 1740743.1	1.6 2.5 20.7
T2014	X = -1394025 Y = 1023381 Z = -204967	22 19 13	LAT. = - 6 45 33.7 LONG. = 143 43 .8 RAD. = 1741443.0	1.5 2.5 20.9
S2471	X = -1409859 Y = 1011690 Z = -126539	27 21 15	LAT. = - 4 10 14.5 LONG. = 144 20 14.8 RAD. = 1739894.1	1.7 2.5 26.9
216	X = -1418771 Y = 996327 Z = -147608	23 20 14	LAT. = - 4 51 59.7 LONG. = 144 55 18.1 RAD. = 1739933.0	1.7 2.6 20.8
S2473	X = -1403279 Y = 1018615 Z = -148378	28 20 14	LAT. = - 4 53 27.1 LONG. = 144 1 29.2 RAD. = 1740339.7	1.6 2.6 26.8
T1891	X = -1414367 Y = 991812 Z = -213175	22 19 13	LAT. = - 7 2 5.7 LONG. = 144 57 37.1 RAD. = 1740565.5	1.5 2.5 20.5
T1893	X = -1405059 Y = 999623 Z = -237021	34 22 20	LAT. = - 7 49 35.4 LONG. = 144 34 12.8 RAD. = 1740578.8	2.1 2.9 33.3
S2456	X = -1425124 Y = 994632 Z = -81838	25 22 20	LAT. = - 2 41 46.0 LONG. = 145 5 16.0 RAD. = 1739818.9	2.3 2.5 26.9
S2395	X = -1423183 Y = 987381 Z = -163374	28 20 14	LAT. = - 5 23 17.1 LONG. = 145 14 51.8 RAD. = 1739845.6	1.6 2.6 26.5
T1889	X = -1419786 Y = 990143 Z = -182785	22 19 13	LAT. = - 6 1 40.8 LONG. = 145 6 30.7 RAD. = 1740570.9	1.5 2.5 20.5
T1880	X = -1428107 Y = 967565 Z = -224328	23 19 13	LAT. = - 7 24 33.9 LONG. = 145 52 54.3 RAD. = 1739538.7	1.5 2.5 21.4

TERRAIN POINTS ON MAP SHEET 84B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2379	X = -1452615 Y = 950593 Z = -112184	25 23 18	LAT. = - 3 41 50.7 LONG. = 146 47 57.2 RAD. = 1739627.0	2.0 2.6 26.8
215	X = -1438378 Y = 963788 Z = -160887	23 20 14	LAT. = - 5 18 31.6 LONG. = 146 10 33.1 RAD. = 1738879.7	1.6 2.6 21.0
S2373	X = -1444640 Y = 952282 Z = -176172	28 21 14	LAT. = - 5 48 49.3 LONG. = 146 36 28.1 RAD. = 1739213.2	1.6 2.6 27.3
S2356	X = -1467366 Y = 929085 Z = -114368	26 23 20	LAT. = - 3 46 3.2 LONG. = 147 39 34.0 RAD. = 1740528.8	2.2 2.6 27.0
S2360	X = -1453124 Y = 943004 Z = -156826	27 21 15	LAT. = - 5 10 22.6 LONG. = 147 1 6.5 RAD. = 1739374.0	1.7 2.6 27.2
214	X = -1458843 Y = 931761 Z = -174214	27 22 14	LAT. = - 5 44 49.4 LONG. = 147 26 1.3 RAD. = 1739756.1	1.6 2.6 27.3
T1845	X = -1463306 Y = 918563 Z = -206994	22 20 14	LAT. = - 6 49 54.8 LONG. = 147 52 56.0 RAD. = 1740077.0	1.6 2.6 21.2
T1847	X = -1454000 Y = 928256 Z = -234099	22 20 13	LAT. = - 7 43 41.4 LONG. = 147 26 42.8 RAD. = 1740855.4	1.5 2.6 20.7
S2289	X = -1483213 Y = 901373 Z = -126136	26 22 20	LAT. = - 4 9 23.9 LONG. = 148 42 44.1 RAD. = 1740202.2	2.3 2.6 26.9
S2293	X = -1472201 Y = 912524 Z = -171308	27 21 15	LAT. = - 5 38 54.1 LONG. = 148 12 28.3 RAD. = 1740523.3	1.7 2.6 26.7
213	X = -1476693 Y = 898050 Z = -187226	27 22 14	LAT. = - 6 10 57.4 LONG. = 148 41 38.9 RAD. = 1738438.2	1.6 2.6 27.4
T1823	X = -1475987 Y = 896059 Z = -216078	23 20 13	LAT. = - 7 7 58.5 LONG. = 148 44 18.3 RAD. = 1740158.3	1.5 2.6 21.8

TERRAIN POINTS ON MAP SHEET 84B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
32272	X = -1481808	28	LAT. = - 6 22 30.1	1.6
	Y = 884587	21	LONG. = 149 9 51.5	2.7
	Z = -192813	14	RAD. = 1736498.1	27.4
212	X = -1493068	23	LAT. = - 6 36 51.9	1.6
	Y = 863466	20	LONG. = 149 57 30.6	2.7
	Z = -200002	14	RAD. = 1736325.7	21.3



○ RANGE
OBSERVATION ▲ ◊ < 30M
 ▲ ◊ < 100M
 ▼ ◊ > 100M

MAP SHEET 84C

TERRAIN POINTS ON MAP SHEET 84C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T2055	X = -1330719 Y = 1079763 Z = -307568	25 20 15	LAT. = -10 10 30.0 LONG. = 140 56 37.2 RAD. = 1741062.3	2.0 2.6 23.2
V1278	X = -1321429 Y = 1078459 Z = -340135	21 19 15	LAT. = -11 16 40.0 LONG. = 140 46 51.7 RAD. = 1739235.4	1.6 2.4 21.1
1410	X = -1323211 Y = 1072701 Z = -360027	21 19 14	LAT. = -11 56 3.4 LONG. = 140 58 8.4 RAD. = 1741032.4	1.6 2.5 19.2
V1280	X = -1308786 Y = 1086536 Z = -377090	21 19 13	LAT. = -12 29 57.9 LONG. = 140 18 3.6 RAD. = 1742319.2	1.5 2.4 20.9
U1655	X = -1292443 Y = 1079497 Z = -435295	25 21 15	LAT. = -14 29 36.3 LONG. = 140 7 48.4 RAD. = 1739311.6	2.0 2.6 23.7
T2051	X = -1354868 Y = 1068336 Z = -244657	23 21 14	LAT. = - 8 4 14.0 LONG. = 141 44 37.0 RAD. = 1742660.7	1.6 2.5 22.9
T2053	X = -1343072 Y = 1072045 Z = -283712	20 18 13	LAT. = - 9 22 29.1 LONG. = 141 24 10.7 RAD. = 1741727.7	1.5 2.4 19.1
V1245	X = -1342916 Y = 1049360 Z = -355751	21 19 15	LAT. = -11 47 26.1 LONG. = 141 59 44.8 RAD. = 1741016.8	1.6 2.5 21.3
1712	X = -1321622 Y = 1046467 Z = -431477	21 19 14	LAT. = -14 21 24.8 LONG. = 141 37 39.5 RAD. = 1740100.8	1.6 2.6 18.9
V1250	X = -1316937 Y = 1047054 Z = -439147	23 21 14	LAT. = -14 37 43.4 LONG. = 141 30 46.6 RAD. = 1738819.6	1.6 2.6 23.6
U1499	X = -1332669 Y = 1023801 Z = -456658	26 21 16	LAT. = -15 12 7.8 LONG. = 142 28 2.4 RAD. = 1741467.9	2.1 2.6 24.0
T1899	X = -1373204 Y = 1015218 Z = -336079	26 21 16	LAT. = -11 8 .3 LONG. = 143 31 27.3 RAD. = 1740489.8	2.0 2.6 23.9

TERRAIN POINTS ON MAP SHEET 84C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V1223	X = -1365326 Y = 1016078 Z = -366720	22 20 15	LAT. = -12 9 35.5 LONG. = 143 20 35.9 RAD. = 1740980.4	1.6 2.5 21.7
1408	X = -1364559 Y = 1011658 Z = -380623	21 19 14	LAT. = -12 37 47.0 LONG. = 143 26 50.9 RAD. = 1740789.6	1.6 2.6 19.3
V1225	X = -1354956 Y = 1017980 Z = -395650	22 20 14	LAT. = -13 8 26.5 LONG. = 143 4 56.7 RAD. = 1740323.8	1.5 2.5 21.7
362	X = -1400693 Y = 997704 Z = -260743	23 20 15	LAT. = - 8 37 17.8 LONG. = 144 32 16.8 RAD. = 1739350.8	1.8 2.7 19.8
T1895	X = -1390097 Y = 1008957 Z = -279363	25 21 14	LAT. = - 9 14 16.0 LONG. = 144 1 37.9 RAD. = 1740232.5	1.6 2.6 23.9
T189G	X = -1388685 Y = 1008921 Z = -306238	22 21 19	LAT. = -10 6 56.3 LONG. = 144 0 1.8 RAD. = 1743602.6	2.0 2.6 23.8
V1201	X = -1393096 Y = 979055 Z = -367780	22 20 16	LAT. = -12 11 18.2 LONG. = 144 54 2.9 RAD. = 1741989.0	1.6 2.5 22.0
V1205	X = -1369369 Y = 985464 Z = -431532	22 20 13	LAT. = -14 20 51.6 LONG. = 144 15 33.8 RAD. = 1741416.7	1.5 2.5 21.8
1710	X = -1364180 Y = 985863 Z = -449069	21 19 14	LAT. = -14 56 20.1 LONG. = 144 8 42.7 RAD. = 1742003.2	1.6 2.6 19.3
V1207	X = -1361767 Y = 983855 Z = -459891	23 20 13	LAT. = -15 18 33.9 LONG. = 144 9 9.0 RAD. = 1741804.0	1.6 2.6 21.8
1406	X = -1404527 Y = 949003 Z = -400827	22 19 14	LAT. = -13 18 14.6 LONG. = 145 57 14.9 RAD. = 1741828.3	1.6 2.6 19.7
V1080	X = -1397743 Y = 956972 Z = -404154	22 20 14	LAT. = -13 25 8.8 LONG. = 145 36 8.3 RAD. = 1741499.7	1.5 2.6 22.1

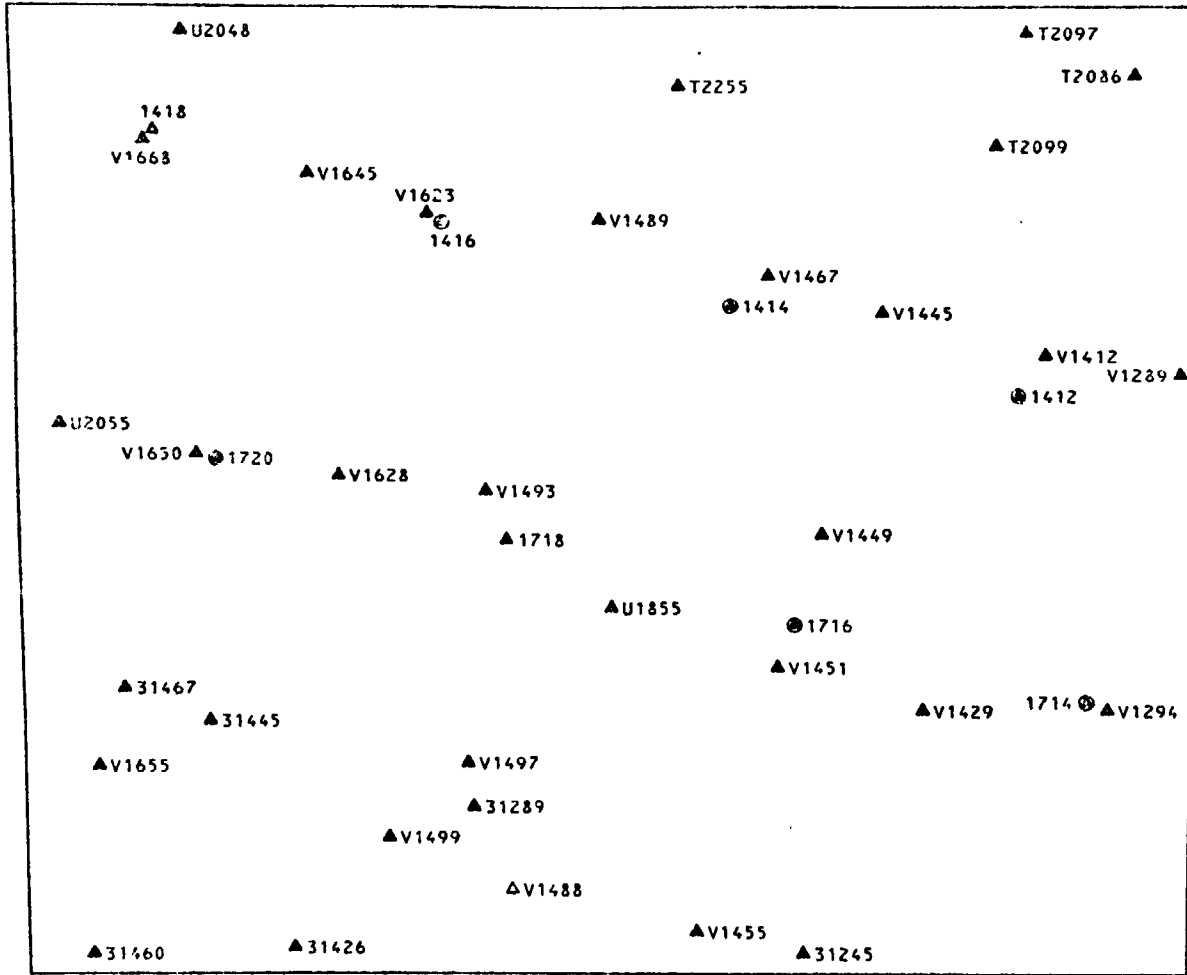
TERRAIN POINTS ON MAP SHEET 84C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V1073	X = -1376630 Y = 956772 Z = -470485	23 20 14	LAT. = -15 40 34.8 LONG. = 145 12 1.0 RAD. = 1741228.8	1.6 2.6 22.3
T1851	X = -1435022 Y = 940162 Z = -300367	25 21 14	LAT. = -9 55 51.0 LONG. = 146 46 8.3 RAD. = 1741669.8	1.6 2.6 23.7
T1853	X = -1427344 Y = 943611 Z = -329663	21 19 13	LAT. = -10 54 19.3 LONG. = 146 31 53.4 RAD. = 1742524.1	1.5 2.5 20.2
T1855	X = -1416113 Y = 947554 Z = -358984	22 19 13	LAT. = -11 53 50.5 LONG. = 146 12 45.4 RAD. = 1741293.6	1.5 2.5 20.3
V1067	X = -1412510 Y = 945742 Z = -378803	22 20 15	LAT. = -12 33 45.2 LONG. = 146 11 45.0 RAD. = 1741581.0	1.6 2.6 22.1
V1050	X = -1403788 Y = 924290 Z = -457973	23 20 14	LAT. = -15 14 31.1 LONG. = 146 38 17.1 RAD. = 1742030.4	1.5 2.6 22.4
1708	X = -1403344 Y = 922520 Z = -465317	24 22 15	LAT. = -15 29 11.6 LONG. = 146 40 48.6 RAD. = 1742681.1	1.6 2.7 24.3
T1849	X = -1444187 Y = 93761 Z = -270272	24 21 15	LAT. = -8 55 52.9 LONG. = 147 6 52.9 RAD. = 1740871.1	1.6 2.6 23.8
360	X = -1443982 Y = 930759 Z = -286002	24 21 14	LAT. = -9 27 6.4 LONG. = 147 11 42.2 RAD. = 1741607.1	1.6 2.6 23.7
V1046	X = -1423599 Y = 921233 Z = -398485	22 20 15	LAT. = -13 13 28.6 LONG. = 147 5 32.9 RAD. = 1741865.0	1.6 2.6 22.6
V1017	X = -1420763 Y = 889809 Z = -475022	23 21 14	LAT. = -15 49 13.8 LONG. = 147 56 29.5 RAD. = 1742404.5	1.6 2.7 22.5
T1825	X = -1468718 Y = 900770 Z = -242931	23 20 13	LAT. = -8 1 32.4 LONG. = 148 28 44.6 RAD. = 1739980.9	1.5 2.6 21.7

TERRAIN POINTS ON MAP SHEET 84C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T1699	X = -1454944 Y = 877928 Z = -384403	22 20 13	LAT. = -12 44 47.4 LONG. = 148 53 34.1 RAD. = 1742236.2	1.5 2.6 20.7
V1023	X = -1442877 Y = 889763 Z = -397690	23 21 15	LAT. = -13 12 10.8 LONG. = 148 20 22.4 RAD. = 1741185.9	1.6 2.6 22.6
1404	X = -1440393 Y = 883447 Z = -419815	22 20 14	LAT. = -13 57 9.5 LONG. = 148 28 39.5 RAD. = 1741107.5	1.6 2.7 20.1
V1014	X = -1433498 Y = 889796 Z = -428984	23 21 14	LAT. = -14 15 56.2 LONG. = 148 10 17.2 RAD. = 1740885.3	1.5 2.6 22.6
358	X = -1479303 Y = 860711 Z = -311651	23 21 15	LAT. = -10 19 12.6 LONG. = 149 48 27.5 RAD. = 1739622.6	1.8 2.9 20.6
T1695	X = -1472510 Y = 869355 Z = -317207	25 21 14	LAT. = -10 30 32.5 LONG. = 149 26 34.2 RAD. = 1739162.1	1.6 2.7 24.3
T1697	X = -1465246 Y = 871445 Z = -353587	22 20 13	LAT. = -11 43 2.4 LONG. = 149 15 29.6 RAD. = 1741088.1	1.5 2.6 20.8
V1002	X = -1462345 Y = 853558 Z = -411946	23 21 16	LAT. = -13 40 25.9 LONG. = 149 43 41.7 RAD. = 1742617.3	1.6 2.7 22.9
V1006	X = -1439922 Y = 854835 Z = -478928	24 21 14	LAT. = -15 57 38.7 LONG. = 149 18 13.6 RAD. = 1741691.8	1.6 2.7 22.8

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR



○ RANGE
OBSERVATION ▲ ◻ < 30M
 △ ◻ < 100M
 ▽ ◻ > 100M

MAP SHEET 84D

TERRAIN POINTS ON MAP SHEET 84D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
U2055	X = -1104924 Y = 1300239 Z = -345423	23 21 15	LAT. = -11 26 39.3 LONG. = 130 21 26.6 RAD. = 1740917.7	2.0 2.4 23.1
31467	X = -1106003 Y = 1278471 Z = -409995	18 17 13	LAT. = -13 37 58.1 LONG. = 130 51 46.8 RAD. = 1739490.2	1.4 2.2 17.4
V1655	X = -1098088 Y = 1279847 Z = -429174	23 20 15	LAT. = -14 16 42.7 LONG. = 130 37 44.6 RAD. = 1740113.6	2.0 2.4 22.5
31460	X = -1088100 Y = 1271793 Z = -474604	19 19 16	LAT. = -15 49 52.1 LONG. = 130 32 56.8 RAD. = 1739732.2	1.6 2.3 20.4
U2048	X = -1140145 Y = 1291736 Z = -248233	21 21 14	LAT. = - 8 11 54.6 LONG. = 131 25 59.1 RAD. = 1740727.2	1.6 2.3 22.9
1418	X = -1132248 Y = 1294123 Z = -272800	21 21 13	LAT. = - 9 0 53.3 LONG. = 131 10 59.4 RAD. = 1741022.4	1.5 2.3 22.8
V1668	X = -1130072 Y = 1295593 Z = -275197	19 19 13	LAT. = - 9 5 39.8 LONG. = 131 5 46.8 RAD. = 1741079.7	1.4 2.2 19.6
V1650	X = -1129262 Y = 1276234 Z = -352660	21 20 14	LAT. = -11 41 31.5 LONG. = 131 30 13.2 RAD. = 1740222.4	1.5 2.4 22.3
1720	X = -1132717 Y = 1272668 Z = -353810	19 18 13	LAT. = -11 43 54.0 LONG. = 131 40 12.5 RAD. = 1740089.9	1.5 2.4 17.5
31445	X = -1119626 Y = 1261485 Z = -417562	19 22 22	LAT. = -13 54 17.2 LONG. = 131 35 25.9 RAD. = 1737603.0	2.3 2.5 23.6
V1645	X = -1157683 Y = 1264270 Z = -282885	19 19 14	LAT. = - 9 22 14.0 LONG. = 132 28 48.5 RAD. = 1737421.4	1.5 2.3 20.1
V1628	X = -1155389 Y = 1251108 Z = -357969	21 19 12	LAT. = -11 52 14.7 LONG. = 132 43 20.0 RAD. = 1740212.0	1.5 2.3 20.2

TERRAIN POINTS ON MAP SHEET 84D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31426	X = -1127457 Y = 1239445 Z = -473640	20 20 21	LAT. = -15 47 4.7 LONG. = 132 17 28.1 RAD. = 1741183.1	2.0 2.4 24.6
V1623	X = -1181245 Y = 1245297 Z = -293430	20 19 13	LAT. = - 9 42 4.2 LONG. = 133 29 16.6 RAD. = 1741323.1	1.5 2.3 19.9
1416	X = -1183689 Y = 1242355 Z = -295668	20 18 13	LAT. = - 9 46 34.5 LONG. = 133 36 53.1 RAD. = 1741259.2	1.5 2.4 18.0
V1493	X = -1181498 Y = 1224518 Z = -361789	21 19 12	LAT. = -12 0 12.4 LONG. = 133 58 32.3 RAD. = 1739619.0	1.4 2.3 20.4
V1497	X = -1167767 Y = 1217286 Z = -428563	23 21 14	LAT. = -14 15 18.1 LONG. = 133 48 38.1 RAD. = 1740440.3	1.8 2.4 23.2
31289	X = -1166247 Y = 1213765 Z = -439010	20 21 23	LAT. = -14 37 3.5 LONG. = 133 51 22.4 RAD. = 1739565.0	2.3 2.5 23.9
V1499	X = -1150100 Y = 1227935 Z = -446701	24 21 15	LAT. = -14 52 10.3 LONG. = 133 7 31.2 RAD. = 1740716.8	2.0 2.5 23.3
V1489	X = -1210374 Y = 1212398 Z = -294820	21 22 20	LAT. = - 9 45 52.1 LONG. = 134 57 7.7 RAD. = 1738341.9	2.1 2.5 23.6
1718	X = -1183013 Y = 1218572 Z = -373688	22 21 14	LAT. = -12 24 32.3 LONG. = 134 9 6.2 RAD. = 1738988.5	1.6 2.4 23.3
V1488	X = -1169159 Y = 1202926 Z = -459057	36 26 19	LAT. = -15 18 17.0 LONG. = 134 11 4.1 RAD. = 1739165.8	3.0 2.8 34.9
T2255	X = -1230352 Y = 1203661 Z = -261982	20 18 13	LAT. = - 8 39 16.0 LONG. = 135 37 41.8 RAD. = 1741034.7	1.5 2.3 19.1
U1855	X = -1200162 Y = 1198033 Z = -390669	25 20 15	LAT. = -12 58 23.9 LONG. = 135 3 3.1 RAD. = 1740199.2	2.0 2.5 23.4

TERRAIN POINTS ON MAP SHEET 84D (CONTINUED)

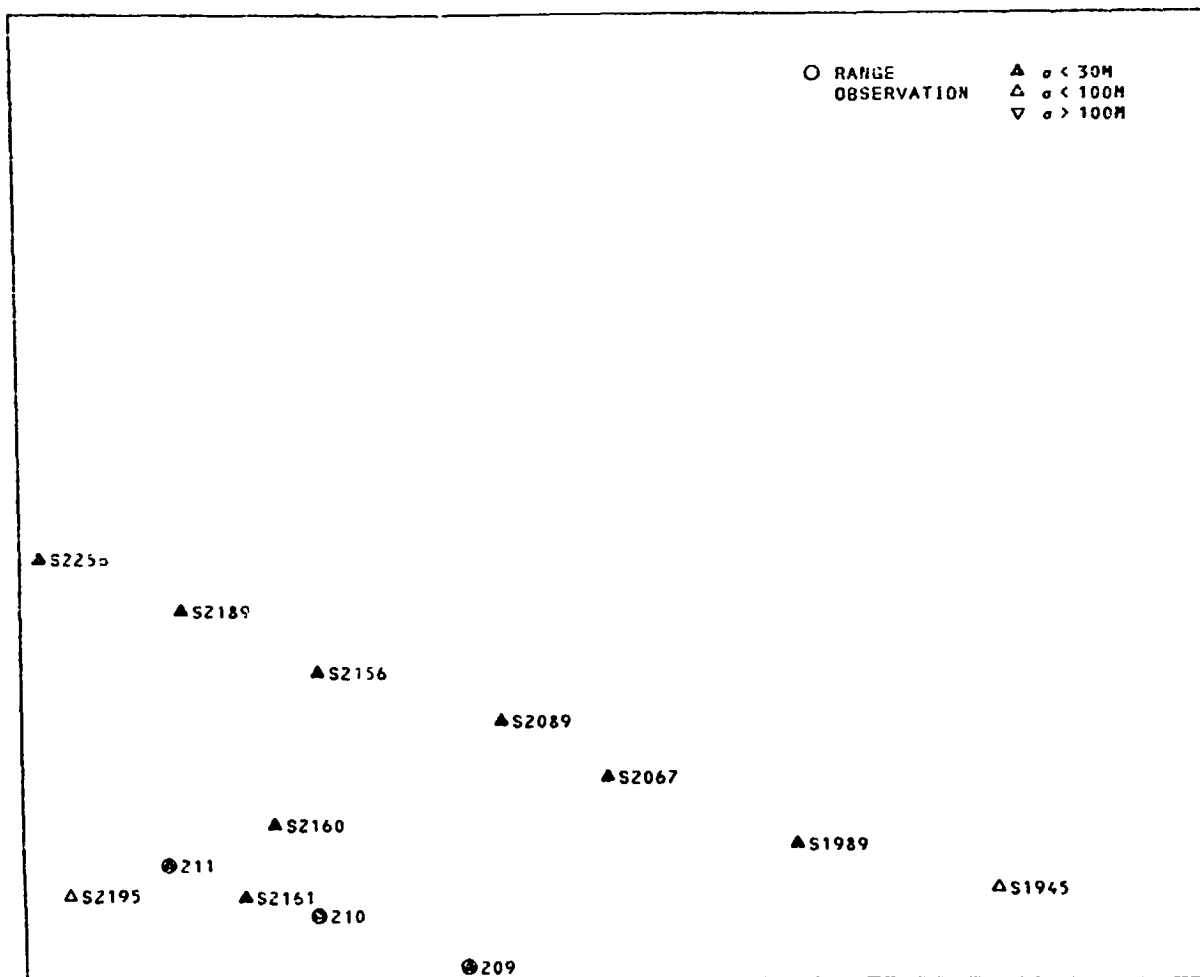
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V1455	X = -1201142 Y = 1168923 Z = -469585	24 20 15	LAT. = -15 39 5.5 LONG. = 135 46 43.8 RAD. = 1740584.1	2.0 2.5 22.9
V1467	X = -1240867 Y = 1182117 Z = -309165	21 20 16	LAT. = -10 13 33.4 LONG. = 136 23 20.3 RAD. = 1741474.7	1.7 2.4 22.4
1414	X = -1233204 Y = 1187982 Z = -316529	20 18 13	LAT. = -10 28 22.9 LONG. = 136 4 12.1 RAD. = 1741344.9	1.5 2.4 18.0
V1449	X = -1239069 Y = 1161558 Z = -372419	21 19 13	LAT. = -12 22 4.8 LONG. = 136 50 57.5 RAD. = 1738736.8	1.4 2.4 20.6
1716	X = -1231963 Y = 1164248 Z = -394965	20 18 14	LAT. = -13 6 59.3 LONG. = 136 37 7.3 RAD. = 1740460.2	1.6 2.5 17.9
V1451	X = -1226187 Y = 1164616 Z = -405001	21 19 13	LAT. = -13 28 4.7 LONG. = 136 28 30.9 RAD. = 1738933.8	1.5 2.4 20.6
31245	X = -1216288 Y = 1146277 Z = -473937	19 18 13	LAT. = -15 49 54.5 LONG. = 136 41 50.5 RAD. = 1737216.9	1.5 2.4 17.9
V1445	X = -1259001 Y = 1159488 Z = -318237	20 19 14	LAT. = -10 31 58.2 LONG. = 137 21 22.5 RAD. = 1740910.5	1.6 2.4 20.6
V1429	X = -1251391 Y = 1137935 Z = -416281	24 20 13	LAT. = -13 49 35.4 LONG. = 137 43 7.0 RAD. = 1741885.1	1.6 2.5 23.0
T2097	X = -1291368 Y = 1140595 Z = -248751	20 19 13	LAT. = - 8 12 48.6 LONG. = 138 33 31.0 RAD. = 1741194.2	1.5 2.4 19.3
T2099	X = -1283936 Y = 1143508 Z = -277035	20 19 13	LAT. = - 9 9 12.1 LONG. = 138 18 39.1 RAD. = 1741507.8	1.5 2.4 19.4
V1412	X = -1285847 Y = 1127959 Z = -328919	20 19 14	LAT. = -10 53 6.0 LONG. = 138 44 32.7 RAD. = 1741804.2	1.5 2.4 20.5

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TERRAIN POINTS ON MAP SHEET 84D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1412	X = -1280015 Y = 1131950 Z = -338831	20 18 14	LAT. = -11 12 57.4 LONG. = 138 30 46.3 RAD. = 1741997.5	1.6 2.5 18.5
T2086	X = -1308646 Y = 1119230 Z = -259428	20 19 13	LAT. = - 8 34 3.2 LONG. = 139 27 39.7 RAD. = 1741416.7	1.5 2.4 19.4
V1289	X = -1306808 Y = 1101460 Z = -333446	20 19 15	LAT. = -11 2 23.4 LONG. = 139 52 25.3 RAD. = 1741306.5	1.6 2.4 20.8
1714	X = -1276454 Y = 1105149 Z = -413211	21 19 15	LAT. = -13 45 7.2 LONG. = 139 6 50.8 RAD. = 1738227.1	1.7 2.7 18.5
V1284	X = -1279315 Y = 1100847 Z = -415073	22 21 14	LAT. = -13 49 .1 LONG. = 139 17 17.2 RAD. = 1738043.9	1.6 2.5 25.5

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR



MAP SHEET 85A

TERRAIN POINTS ON MAP SHEET 85A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2256	X = -1501510 Y = 861348 Z = -136057	26 23 21	LAT. = - 4 29 38.9 LONG. = 150 9 32.7 RAD. = 1736365.3	2.3 2.7 27.5
S2195	X = -1498660 Y = 851910 Z = -220513	45 21 15	LAT. = - 7 17 22.3 LONG. = 150 23 2.5 RAD. = 1737917.6	1.7 3.4 40.8
S2189	X = -1518504 Y = 829348 Z = -149395	27 23 20	LAT. = - 4 56 5.7 LONG. = 151 21 30.0 RAD. = 1736661.2	2.3 2.7 7.6
211	X = -1512255 Y = 830582 Z = -213200	23 21 14	LAT. = - 7 2 39.7 LONG. = 151 13 22.5 RAD. = 1738457.7	1.6 2.7 21.6
S2161	X = -1522257 Y = 813823 Z = -221539	28 22 14	LAT. = - 7 18 48.2 LONG. = 151 52 5.8 RAD. = 1740335.8	1.6 2.8 27.6
S2156	X = -1536469 Y = 799513 Z = -165335	27 23 20	LAT. = - 5 27 9.9 LONG. = 152 30 34.1 RAD. = 1739912.1	2.2 2.7 27.7
S2160	X = -1527638 Y = 807914 Z = -203467	28 22 16	LAT. = - 6 42 54.1 LONG. = 152 7 38.0 RAD. = 1740057.5	1.7 2.7 27.7
210	X = -1530778 Y = 797158 Z = -226259	24 21 14	LAT. = - 7 28 7.8 LONG. = 152 29 27.0 RAD. = 1740626.5	1.6 2.7 21.8
209	X = -1546389 Y = 762226 Z = -238950	24 21 14	LAT. = - 7 53 27.1 LONG. = 153 45 39.6 RAD. = 1740518.5	1.6 2.8 22.4
S2089	X = -1557075 Y = 757356 Z = -177653	26 23 20	LAT. = - 5 51 29.2 LONG. = 154 3 42.8 RAD. = 1740583.2	2.2 2.8 27.1
S2067	X = -1566753 Y = 732009 Z = -191664	27 23 20	LAT. = - 6 19 27.8 LONG. = 154 57 26.5 RAD. = 1739909.9	2.2 2.8 27.8
S1989	X = -1585980 Y = 687854 Z = -208613	27 23 19	LAT. = - 6 52 51.2 LONG. = 156 33 11.5 RAD. = 1741262.8	2.1 2.9 27.7

TERRAIN POINTS ON MAP SHEET 85A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S1945	X = -1601505 Y = 639710 Z = -219139	28 25 21	LAT. = - 7 14 30.5 LONG. = 158 13 34.0 RAD. = 1738410.2	2.2 3.0 29.3

TERRAIN POINTS ON MAP SHEET 85C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
204	X = -1609118 Y = 580683 Z = -299821	26 23 15	LAT. = - 9 56 27.3 LONG. = 160 9 25.1 RAD. = 1736762.9	1.7 3.0 24.4
T1412	X = -1606156 Y = 581145 Z = -316101	25 23 15	LAT. = -10 29 5.2 LONG. = 160 6 31.3 RAD. = 1737062.0	1.6 2.9 24.6
T1291	X = -1608824 Y = 557128 Z = -351839	25 23 14	LAT. = -11 40 33.6 LONG. = 160 53 57.4 RAD. = 1738533.2	1.6 3.0 24.1
S1788	X = -1606988 Y = 562716 Z = -369053	31 24 17	LAT. = -12 13 47.0 LONG. = 160 42 5.0 RAD. = 1742200.3	2.1 3.0 28.6
T1293	X = -1601318 Y = 564461 Z = -383831	26 24 16	LAT. = -12 44 18.2 LONG. = 160 34 57.2 RAD. = 1740735.8	1.7 3.0 26.0
350	X = -1597038 Y = 563837 Z = -401156	24 23 15	LAT. = -13 19 31.7 LONG. = 160 33 15.6 RAD. = 1740508.2	1.7 3.0 22.9
S1778	X = -1631913 Y = 536625 Z = -252950	29 25 21	LAT. = - 8 22 34.9 LONG. = 161 47 51.0 RAD. = 1736401.3	2.3 3.0 29.9
203	X = -1619961 Y = 543766 Z = -311639	26 23 15	LAT. = -10 20 8.5 LONG. = 161 26 41.4 RAD. = 1736972.8	1.7 3.0 24.7
T1289	X = -1615345 Y = 550472 Z = -323225	25 23 15	LAT. = -10 43 29.5 LONG. = 161 10 55.5 RAD. = 1736903.4	1.6 3.0 24.0
S1755	X = -1618335 Y = 527909 Z = -378995	31 24 16	LAT. = -12 33 6.2 LONG. = 161 56 .2 RAD. = 1743941.8	2.1 3.1 29.0
T1284	X = -1604677 Y = 529877 Z = -426699	25 24 15	LAT. = -14 10 15.4 LONG. = 161 43 35.0 RAD. = 1742937.0	1.7 3.0 24.4
202	X = -1630903 Y = 506931 Z = -323475	26 24 15	LAT. = -10 43 29.7 LONG. = 162 43 59.7 RAD. = 1738234.3	1.7 3.1 24.5

TERRAIN POINTS ON MAP SHEET 85C (CONTINUED)

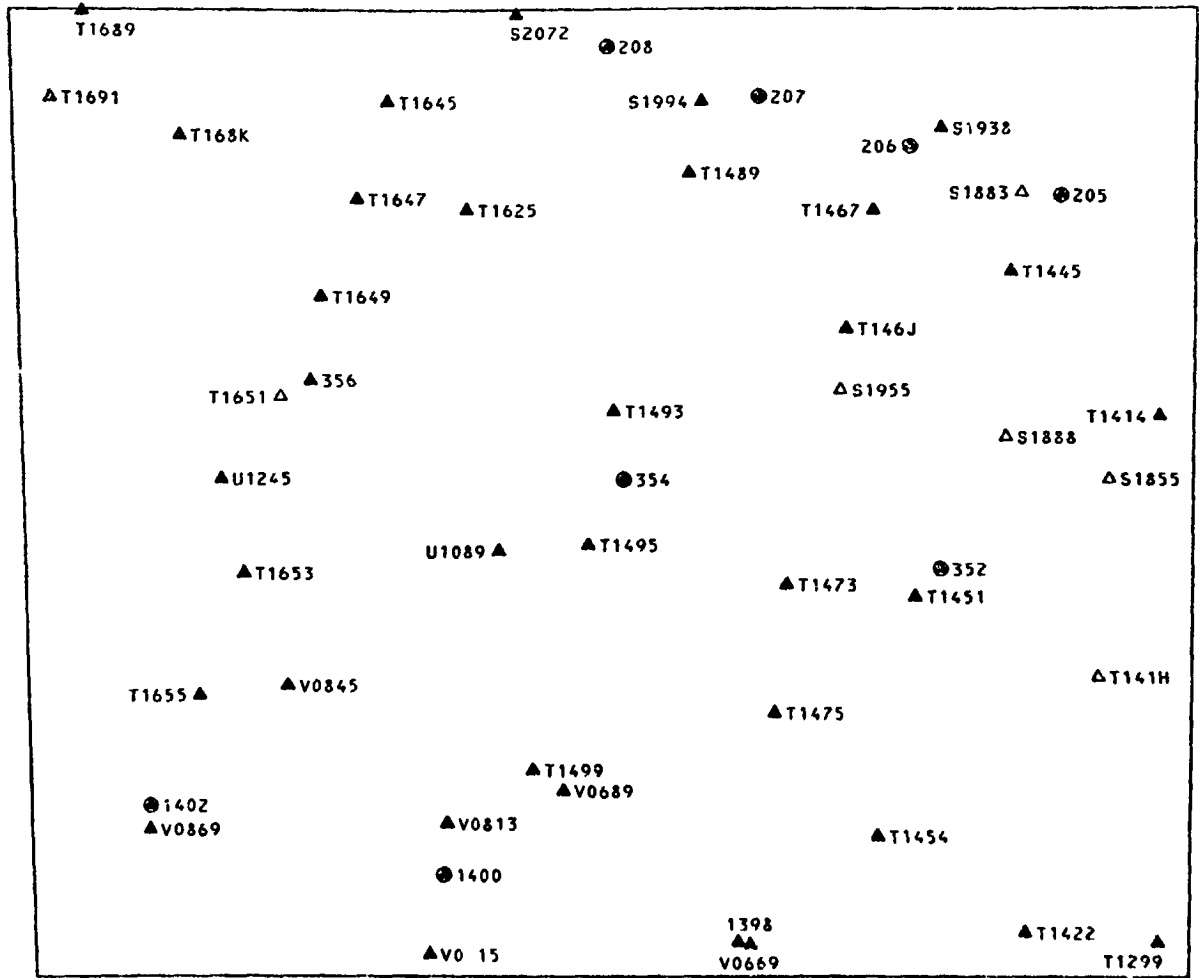
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S1683	X = -1640750 Y = 477498 Z = -333623	30 25 16	LAT. = -11 2 50.0 LONG. = 163 46 25.4 RAD. = 1741082.3	1.7 3.1 29.5
T1245	X = -1638845 Y = 477241 Z = -351969	25 24 15	LAT. = -11 39 4.3 LONG. = 163 45 50.9 RAD. = 1742829.3	1.6 3.0 24.9
T1248	X = -1627499 Y = 477508 Z = -383891	25 24 14	LAT. = -12 45 11.8 LONG. = 163 38 54.0 RAD. = 1739004.8	1.6 3.0 24.4
T1249	X = -1617266 Y = 486779 Z = -407658	27 25 16	LAT. = -13 34 11.7 LONG. = 163 14 55.7 RAD. = 1737437.1	1.8 3.1 26.9
348	X = -1615755 Y = 485793 Z = -421969	25 24 15	LAT. = -14 2 29.8 LONG. = 163 15 57.9 RAD. = 1739171.3	1.7 3.1 23.6
T1251	X = -1609483 Y = 483256 Z = -439831	26 25 16	LAT. = -14 39 18.1 LONG. = 163 7 27.2 RAD. = 1738470.4	1.7 3.1 25.8
S1678	X = -1657535 Y = 451462 Z = -278625	38 27 34	LAT. = - 9 12 44.8 LONG. = 164 45 50.3 RAD. = 1740365.8	3.5 3.2 41.5
201	X = -1643733 Y = 470567 Z = -335669	27 25 16	LAT. = -11 6 26.3 LONG. = 164 1 28.8 RAD. = 1742402.2	1.8 3.2 26.1
S1661	X = -1646747 Y = 442881 Z = -341139	31 25 16	LAT. = -11 18 45.8 LONG. = 164 56 48.8 RAD. = 1739049.6	1.8 3.2 30.8
S1666	X = -1628251 Y = 460172 Z = -403979	34 25 17	LAT. = -13 25 41.3 LONG. = 164 13 8.0 RAD. = 1739595.4	2.3 3.2 30.9
T1229	X = -1615514 Y = 459939 Z = -445638	26 24 16	LAT. = -14 51 31.1 LONG. = 164 6 29.8 RAD. = 1737821.0	1.7 3.1 25.4
200	X = -1646901 Y = 431392 Z = -345890	26 25 15	LAT. = -11 29 4.1 LONG. = 165 19 17.8 RAD. = 1737245.9	1.8 3.2 25.5

TERRAIN POINTS ON MAP SHEET 85C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T1092	X = -1634745 Y = 408305 Z = -426109	27 26 16	LAT. = -14 11 31.0 LONG. = 165 58 34.8 RAD. = 1738008.3	1.8 3.2 27.5
346	X = -1629982 Y = 406600 Z = -441697	25 25 16	LAT. = -14 43 52.0 LONG. = 165 59 36.1 RAD. = 1737026.5	1.8 3.2 24.4
T1095	X = -1624843 Y = 412689 Z = -455639	26 25 15	LAT. = -15 12 18.6 LONG. = 165 44 56.3 RAD. = 1737248.4	1.7 3.2 25.6
S1582	X = -1657211 Y = 390085 Z = -343060	31 26 17	LAT. = -11 23 33.8 LONG. = 166 45 16.1 RAD. = 1736722.4	1.8 3.2 31.6
199	X = -1652949 Y = 393100 Z = -356645	27 26 16	LAT. = -11 51 17.2 LONG. = 166 37 21.2 RAD. = 1736077.7	1.9 3.3 26.5
T1089	X = -1651084 Y = 394122 Z = -366361	26 25 15	LAT. = -12 10 45.1 LONG. = 166 34 28.0 RAD. = 1736556.8	1.7 3.1 25.5
S1588	X = -1638800 Y = 406057 Z = -415423	33 25 17	LAT. = -13 49 23.3 LONG. = 166 5 1.3 RAD. = 1738713.4	2.3 3.2 31.2
T1093	X = -1634571 Y = 407220 Z = -426824	27 26 16	LAT. = -14 13 5.8 LONG. = 166 0 38.5 RAD. = 1737765.6	1.8 3.2 27.5
T1084	X = -1628655 Y = 383222 Z = -461423	27 26 16	LAT. = -15 25 4.8 LONG. = 166 45 33.1 RAD. = 1735593.9	1.8 3.2 27.1
S1578	X = -1668125 Y = 378121 Z = -299947	30 27 23	LAT. = -9 56 47.0 LONG. = 167 13 42.1 RAD. = 1736543.9	2.4 3.3 31.8
S1549	X = -1662719 Y = 355998 Z = -352675	31 26 17	LAT. = -11 43 2.6 LONG. = 167 54 54.3 RAD. = 1736591.3	1.8 3.3 31.5
198	X = -1660131 Y = 355063 Z = -367645	27 26 16	LAT. = -12 13 9.0 LONG. = 167 55 39.6 RAD. = 1737028.1	1.8 3.3 26.0

TERRAIN POINTS ON MAP SHEET 85C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T107S	X = -1656839 Y = 364730 Z = -370699	27 26 16	LAT. = -12 19 32.9 LONG. = 167 35 6.6 RAD. = 1736537.1	1.7 3.2 26.8
S155S	X = -1644325 Y = 367681 Z = -423167	33 26 17	LAT. = -14 5 53.2 LONG. = 167 23 44.4 RAD. = 1737257.2	2.2 3.3 31.3
T1049	X = -1647515 Y = 331171 Z = -442592	27 26 15	LAT. = -14 45 18.5 LONG. = 168 38 3.4 RAD. = 1737777.1	1.7 3.3 26.2
344	X = -1643293 Y = 326885 Z = -459991	28 27 16	LAT. = -15 21 6.5 LONG. = 168 44 53.4 RAD. = 1737485.8	1.8 3.4 28.4
T1051	X = -1634573 Y = 339950 Z = -477110	29 26 16	LAT. = -15 56 54.4 LONG. = 168 15 5.0 RAD. = 1736383.7	1.8 3.4 28.5
T1052	X = -1635040 Y = 336620 Z = -477644	27 27 16	LAT. = -15 58 2.5 LONG. = 168 21 59.6 RAD. = 1736321.2	1.8 3.4 28.5
S1478	X = -1683229 Y = 309178 Z = -318567	30 27 23	LAT. = -10 32 40.8 LONG. = 169 35 30.7 RAD. = 1740785.7	2.4 3.3 31.3
197	X = -1667920 Y = 317124 Z = -378770	27 26 16	LAT. = -12 34 35.2 LONG. = 169 14 5.2 RAD. = 1739537.4	1.8 3.3 26.4
T104E	X = -1665350 Y = 319173 Z = -386339	32 27 16	LAT. = -12 50 6.6 LONG. = 169 9 2.0 RAD. = 1739114.9	1.8 3.3 31.5
T104S	X = -1665368 Y = 319188 Z = -386401	27 27 20	LAT. = -12 50 13.2 LONG. = 169 9 .6 RAD. = 1739147.9	2.1 3.3 28.4
T1027	X = -1654650 Y = 297624 Z = -451580	28 27 15	LAT. = -15 2 6.2 LONG. = 169 48 11.4 RAD. = 1740795.3	1.8 3.3 27.3
T1029	X = -1644488 Y = 305022 Z = -479457	28 27 17	LAT. = -15 59 44.5 LONG. = 169 29 31.5 RAD. = 1739901.8	1.8 3.4 28.2



○ RANGE
OBSERVATION

▲ ● < 30M
 ▲ ● < 100M
 ▼ ● > 100M

MAP SHEET 85D

TERRAIN POINTS ON MAP SHEET 85D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T1689	X = -1502730 Y = 846580 Z = -242832	23 20 13	LAT. = - 8 0 50.3 LONG. = 150 36 17.1 RAD. = 1741798.6	1.5 2.6 21.3
T1691	X = -1493085 Y = 850994 Z = -263651	23 20 13	LAT. = - 8 43 18.9 LONG. = 150 19 7.4 RAD. = 1738679.6	1.5 2.6 21.3
T168K	X = -1509463 Y = 822979 Z = -273252	30 21 15	LAT. = - 9 1 51.4 LONG. = 151 24 .7 RAD. = 1740815.5	2.0 2.8 27.7
U1245	X = -1497670 Y = 806564 Z = -357737	24 23 20	LAT. = -11 52 35.3 LONG. = 151 41 43.8 RAD. = 1738256.4	2.1 2.8 25.4
T1653	X = -1493904 Y = 798714 Z = -380497	23 21 14	LAT. = -12 39 33.3 LONG. = 151 52 7.9 RAD. = 1736223.0	1.5 2.7 21.5
T1655	X = -1482188 Y = 805613 Z = -410240	22 20 13	LAT. = -13 40 4.5 LONG. = 151 28 28.6 RAD. = 1736142.9	1.5 2.7 21.0
1402	X = -1473681 Y = 816101 Z = -438174	22 21 15	LAT. = -14 34 48.7 LONG. = 151 1 22.9 RAD. = 1740618.7	1.7 2.8 20.7
V0869	X = -1472715 Y = 815683 Z = -444176	23 21 14	LAT. = -14 46 48.0 LONG. = 151 1 10.4 RAD. = 1741126.1	1.6 2.7 25.1
T1647	X = -1528517 Y = 782342 Z = -289377	23 21 13	LAT. = - 9 33 57.6 LONG. = 152 53 42.8 RAD. = 1741310.8	1.5 2.7 21.8
T1649	X = -1520195 Y = 788892 Z = -313429	25 22 15	LAT. = -10 22 14.0 LONG. = 152 34 24.0 RAD. = 1741143.6	1.7 2.8 24.6
356	X = -1515022 Y = 789596 Z = -334050	25 22 15	LAT. = -11 3 48.4 LONG. = 152 28 20.8 RAD. = 1740788.1	1.6 2.8 24.6
T1651	X = -1510243 Y = 795757 Z = -337942	30 29 15	LAT. = -11 11 52.4 LONG. = 152 12 53.8 RAD. = 1740192.0	1.8 3.0 33.7

TERRAIN POINTS ON MAP SHEET 85D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V0845	X = -1493094 Y = 786067 Z = -408000	23 21 14	LAT. = -13 35 34.7 LONG. = 152 14 4.6 RAD. = 1736000.0	1.5 2.7 21.5
T1645	X = -1536200 Y = 777240 Z = -265357	23 21 14	LAT. = - 8 45 43.6 LONG. = 153 9 46.3 RAD. = 1741960.2	1.5 2.7 22.4
T1625	X = -1538485 Y = 755820 Z = -291811	24 21 14	LAT. = - 9 39 41.0 LONG. = 153 50 10.4 RAD. = 1738779.4	1.6 2.8 22.9
V0313	X = -1505520 Y = 747547 Z = -442201	24 22 15	LAT. = -14 44 20.7 LONG. = 153 35 38.0 RAD. = 1738090.5	1.6 2.8 24.0
1400	X = -1502260 Y = 747261 Z = -454637	23 21 15	LAT. = -15 9 39.8 LONG. = 153 33 11.3 RAD. = 1738355.4	1.7 2.9 21.2
V0815	X = -1496470 Y = 748695 Z = -474061	24 22 14	LAT. = -15 49 4.2 LONG. = 153 25 15.1 RAD. = 1739166.1	1.6 2.8 23.9
S2072	X = -1550511 Y = 747198 Z = -243139	29 22 15	LAT. = - 8 2 26.4 LONG. = 154 16 13.4 RAD. = 1738248.2	1.6 2.8 28.1
T1495	X = -1536359 Y = 721728 Z = -374297	24 22 14	LAT. = -12 26 6.5 LONG. = 154 50 15.0 RAD. = 1738214.4	1.6 2.8 22.7
U1089	X = -1527152 Y = 742553 Z = -376029	25 23 20	LAT. = -12 29 9.8 LONG. = 154 4 9.9 RAD. = 1739246.1	2.1 2.9 25.9
T1499	X = -1522043 Y = 731169 Z = -430352	27 22 16	LAT. = -14 17 53.6 LONG. = 154 20 27.6 RAD. = 1742534.7	2.0 2.9 24.7
V0689	X = -1523146 Y = 723319 Z = -435129	23 21 14	LAT. = -14 28 11.7 LONG. = 154 35 51.7 RAD. = 1741407.8	1.5 2.8 21.9
208	X = -1558501 Y = 725629 Z = -251088	24 22 14	LAT. = - 8 18 34.2 LONG. = 155 2 .9 RAD. = 1737385.3	1.6 2.8 22.6

TERRAIN POINTS ON MAP SHEET 35D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S1994	X = -1567011	29	LAT. = - 8 45 58.2	1.6
	Y = 703474	23	LONG. = 155 49 24.2	2.9
	Z = -264871	15	RAD. = 1737975.0	28.4
T1489	X = -1562987	24	LAT. = - 9 21 25.1	1.6
	Y = 704968	22	LONG. = 155 43 22.0	2.8
	Z = -282530	14	RAD. = 1737737.3	22.6
T1493	X = -1544325	26	LAT. = -11 19 40.8	1.7
	Y = 717926	23	LONG. = 155 4 2.0	2.9
	Z = -341167	15	RAD. = 1736880.1	25.4
354	X = -1542777	23	LAT. = -11 53 27.4	1.7
	Y = 714513	22	LONG. = 155 8 58.3	2.9
	Z = -358008	15	RAD. = 1737486.1	21.5
207	X = -1573994	24	LAT. = - 8 43 25.8	1.6
	Y = 690670	22	LONG. = 156 18 29.1	2.9
	Z = -263754	14	RAD. = 1738979.6	23.0
S1955	X = -1568966	31	LAT. = -11 9 2.3	2.3
	Y = 666081	23	LONG. = 156 59 49.5	2.9
	Z = -335974	17	RAD. = 1737295.4	29.4
T1473	X = -1554143	24	LAT. = -12 45 51.3	1.6
	Y = 674640	22	LONG. = 156 32 5.1	2.9
	Z = -383814	15	RAD. = 1737184.9	23.4
T1475	X = -1548105	24	LAT. = -13 49 57.5	1.6
	Y = 675367	22	LONG. = 156 25 50.0	2.9
	Z = -415707	15	RAD. = 1737571.2	23.1
1398	X = -1529366	26	LAT. = -15 47 59.9	1.7
	Y = 677568	23	LONG. = 156 6 17.3	3.0
	Z = -470710	16	RAD. = 1737707.7	26.4
V0669	X = -1530402	25	LAT. = -15 44 9.5	1.6
	Y = 674830	23	LONG. = 156 12 17.8	2.9
	Z = -471274	15	RAD. = 1737706.6	24.6
S1938	X = -1589112	29	LAT. = - 8 59 3.4	1.7
	Y = 646848	24	LONG. = 157 51 4.4	2.9
	Z = -271261	15	RAD. = 1737029.8	29.5
206	X = -1586364	26	LAT. = - 9 8 2.8	1.8
	Y = 654279	23	LONG. = 157 35 12.5	3.0
	Z = -275905	15	RAD. = 1738032.3	23.9

TERRAIN POINTS ON MAP SHEET 85D (CONTINUED)

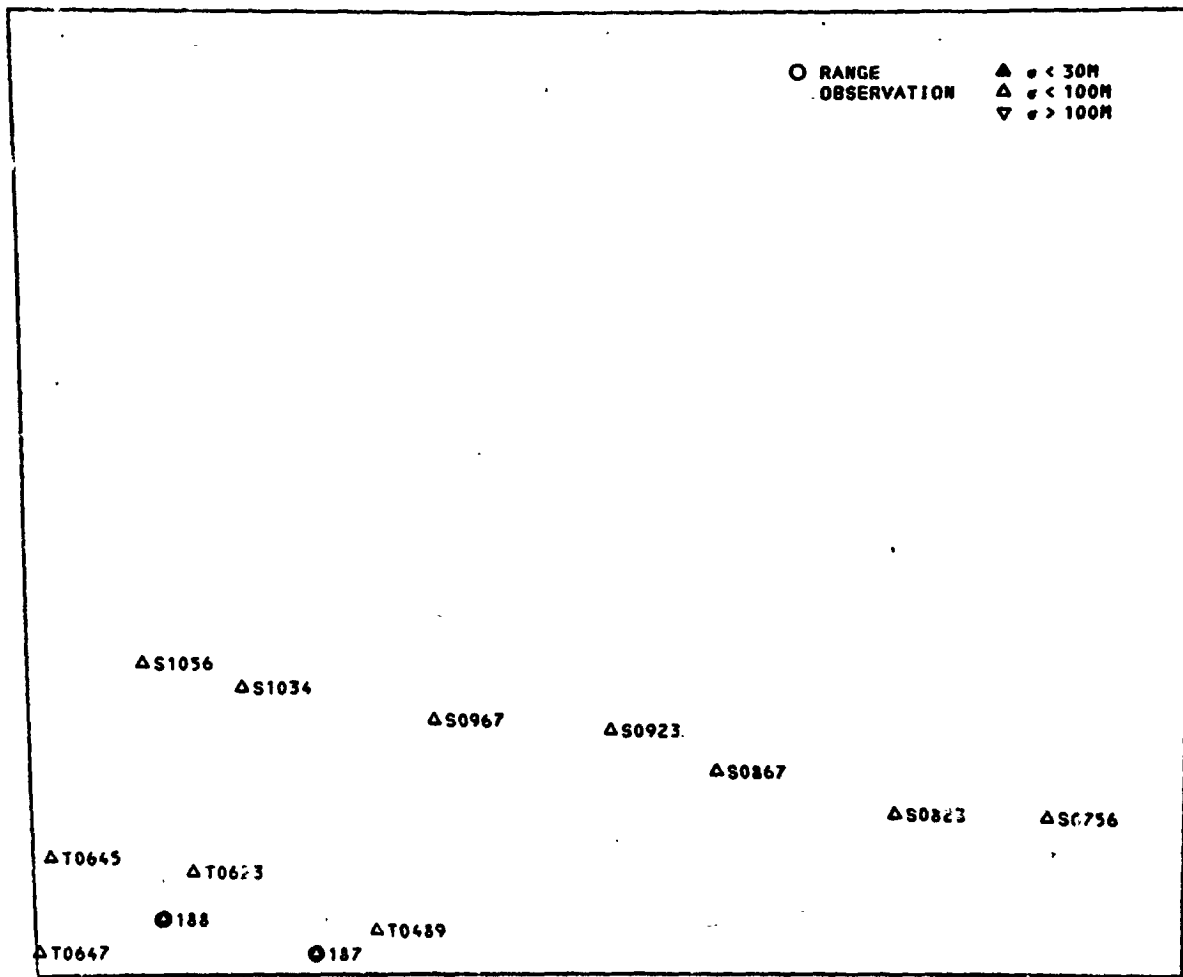
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T1467	X = -1580933 Y = 661993 Z = -291922	24 22 14	LAT. = - 9 39 57.6 LONG. = 157 16 45.2 RAD. = 1738620.8	1.6 2.8 23.8
T146J	X = -1572543 Y = 666034 Z = -320974	31 23 16	LAT. = -10 38 40.1 LONG. = 157 2 43.6 RAD. = 1737676.1	2.0 2.9 29.3
352	X = -1569173 Y = 638780 Z = -379728	24 23 15	LAT. = -12 37 59.1 LONG. = 157 50 59.0 RAD. = 1736242.5	1.7 3.0 22.1
T1451	X = -1566948 Y = 644721 Z = -386899	26 23 15	LAT. = -12 51 44.7 LONG. = 157 38 7.0 RAD. = 1738011.1	1.7 3.0 25.8
T1454	X = -1552499 Y = 648978 Z = -445974	23 22 14	LAT. = -14 50 39.2 LONG. = 157 18 50.5 RAD. = 1740780.8	1.5 2.9 22.2
S1883	X = -1594451 Y = 626905 Z = -287228	45 24 18	LAT. = - 9 31 1.5 LONG. = 158 32 10.6 RAD. = 1737176.8	1.8 3.3 43.7
205	X = -1599105 Y = 618010 Z = -288119	25 23 15	LAT. = - 9 32 24.1 LONG. = 158 52 11.5 RAD. = 1738414.9	1.7 3.0 23.7
T1445	X = -1592996 Y = 629181 Z = -307254	25 24 19	LAT. = -10 10 12.9 LONG. = 158 26 51.4 RAD. = 1740088.9	2.0 3.0 25.8
S1888	X = -1583814 Y = 626815 Z = -347751	31 24 17	LAT. = -11 32 19.8 LONG. = 158 24 29.4 RAD. = 1738474.3	2.2 3.0 29.3
T1422	X = -1558116 Y = 611002 Z = -468495	24 23 14	LAT. = -15 38 18.1 LONG. = 158 35 16.1 RAD. = 1737969.1	1.6 3.0 23.2
T1414	X = -1600037 Y = 591405 Z = 342948	26 23 15	LAT. = -11 22 2.8 LONG. = 159 42 52.9 RAD. = 1739968.6	1.6 3.0 24.9
S1855	X = -1593204 Y = 602275 Z = -358481	31 23 17	LAT. = -11 53 8.0 LONG. = 159 17 31.4 RAD. = 1740558.4	2.2 3.0 28.9

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TERRAIN POINTS ON MAP SHEET 85D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T141H	X = -1584457	25	LAT. = -13 31 31.2	2.1
	Y = 601721	24	LONG. = 159 12 17.9	3.0
	Z = -407694	21	RAD. = 1743211.2	26.3
T1299	X = -1569228	24	LAT. = -15 43 8.1	1.6
	Y = 579475	23	LONG. = 159 43 55.7	3.0
	Z = -470800	14	RAD. = 1737792.0	23.2

C



MAP SHEET 86C

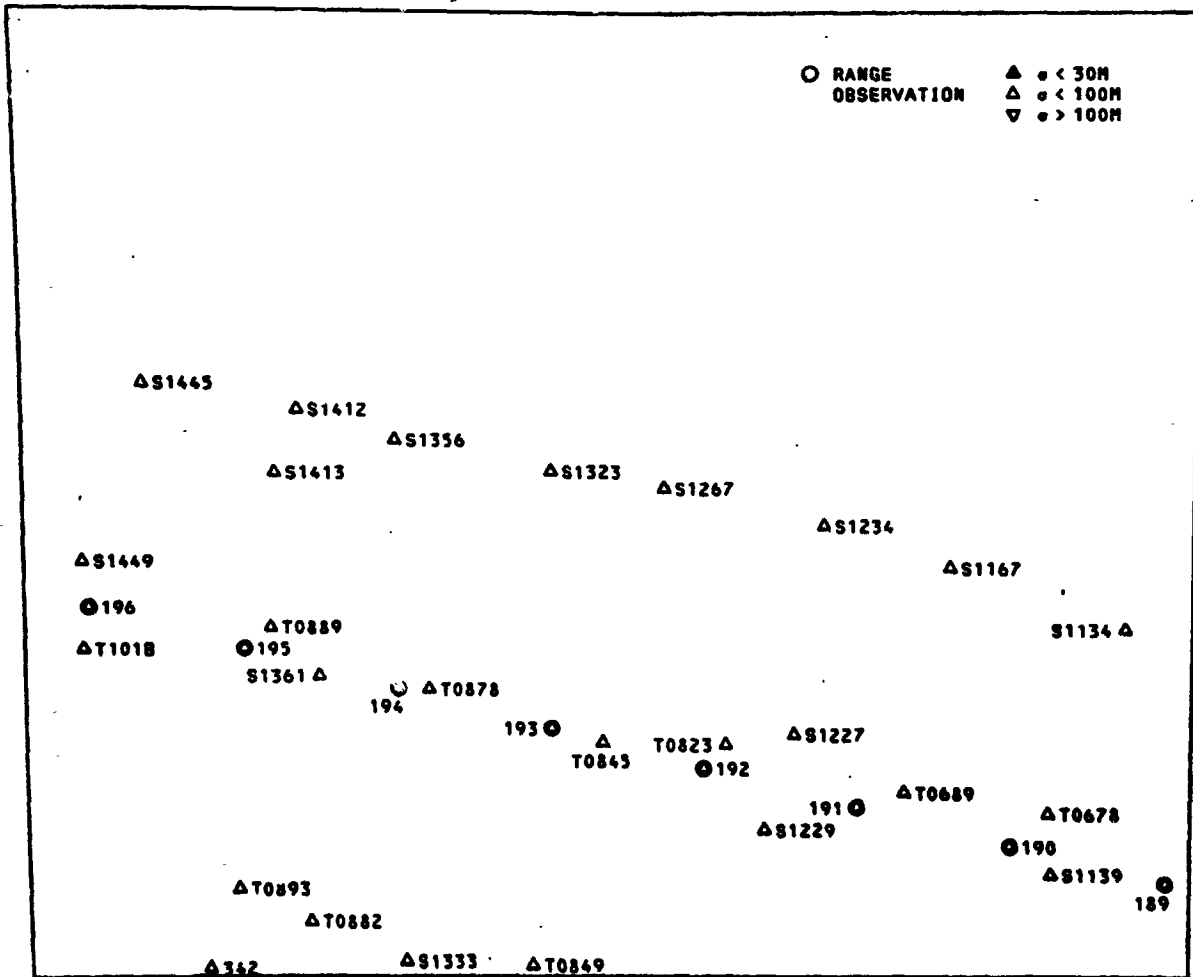
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TERRAIN POINTS ON MAP SHEET 86C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T0645	X = -1680696 Y = -4603 Z = -450827	30 33 18	LAT. = -15 0 55.5 LONG. = 180 9 25.0 RAD. = 1740116.5	1.9 4.0 30.7
T0647	X = -1673381 Y = -760 Z = -473628	30 33 17	LAT. = -15 48 12.4 LONG. = 180 1 33.7 RAD. = 1739117.4	1.9 4.0 30.6
S1056	X = -1694514 Y = -29635 Z = -403890	32 33 25	LAT. = -13 24 15.9 LONG. = 181 0 7.0 RAD. = 1742235.3	2.6 4.1 34.9
S1034	X = -1692332 Y = -54777 Z = -409979	33 34 26	LAT. = -13 36 39.9 LONG. = 181 51 14.0 RAD. = 1742145.1	2.7 4.1 36.0
T0623	X = -1678298 Y = -40811 Z = -454311	31 34 19	LAT. = -15 8 33.1 LONG. = 181 23 34.7 RAD. = 1739180.6	2.0 4.1 32.8
188	X = -1675642 Y = -32667 Z = -465815	29 34 17	LAT. = -15 31 57.7 LONG. = 181 7 .6 RAD. = 1739490.4	1.9 4.1 29.5
T0489	X = -1675691 Y = -87423 Z = -469586	31 35 18	LAT. = -15 38 4.1 LONG. = 182 59 11.4 RAD. = 1742438.9	2.0 4.2 32.1
187	X = -1674835 Y = -71580 Z = -475183	29 34 17	LAT. = -15 49 33.4 LONG. = 182 26 50.1 RAD. = 1742411.0	1.9 4.2 29.8
S0967	X = -1687203 Y = -103958 Z = -417956	34 35 27	LAT. = -13 53 16.8 LONG. = 183 31 33.1 RAD. = 1741306.3	2.7 4.3 36.8
S0923	X = -1681050 Y = -148960 Z = -420030	35 36 29	LAT. = -13 58 34.2 LONG. = 185 3 49.8 RAD. = 1739121.8	2.9 4.4 38.8
S0867	X = -1679415 Y = -175956 Z = -430949	36 37 29	LAT. = -14 19 .7 LONG. = 185 58 52.2 RAD. = 1742730.9	2.9 4.5 40.2
S0823	X = -1672397 Y = -220862 Z = -441632	37 38 29	LAT. = -14 40 14.5 LONG. = 187 31 23.2 RAD. = 1743769.5	2.9 4.5 40.9

TERRAIN POINTS ON MAP SHEET 86C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S0756	X = -1662859 Y = -258366 Z = -441345	38 39 32	LAT. = -14 41 44.8 LONG. = 188 49 54.1 RAD. = 1739723.9	3.1 4.6 42.7



MAP SHEET 86D

TERRAIN POINTS ON MAP SHEET 86D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S1449	X = -1677131 Y = 280750 Z = -378335	31 27 17	LAT. = -12 32 36.1 LONG. = 170 29 48.6 RAD. = 1742047.0	1.8 3.4 31.4
196	X = -1674984 Y = 278926 Z = -389758	27 27 16	LAT. = -12 55 38.5 LONG. = 170 32 44.2 RAD. = 1742205.8	1.8 3.4 26.5
T101B	X = -1672374 Y = 279995 Z = -399957	31 27 16	LAT. = -13 16 18.9 LONG. = 170 29 43.8 RAD. = 1742182.0	1.8 3.4 31.3
S1445	X = -1687824 Y = 266489 Z = -334110	30 28 22	LAT. = -11 3 48.6 LONG. = 171 1 39.7 RAD. = 1741090.2	2.3 3.4 31.7
195	X = -1677302 Y = 239893 Z = -399598	27 28 16	LAT. = -13 16 12.2 LONG. = 171 51 38.1 RAD. = 1740853.0	1.8 3.4 27.0
T0895	X = -1658396 Y = 239503 Z = -37376	27 28 15	LAT. = -15 16 3.5 LONG. = 171 46 55.1 RAD. = 1735903.0	1.7 3.4 27.2
342	X = -1651925 Y = 246291 Z = -476755	29 28 17	LAT. = -15 55 53.1 LONG. = 171 31 12.2 RAD. = 1736896.8	1.8 3.5 29.3
S1412	X = -1692145 Y = 227961 Z = -340691	30 28 23	LAT. = -11 17 3.3 LONG. = 172 19 38.9 RAD. = 1741089.5	2.4 3.5 31.7
S1413	X = -1688264 Y = 233158 Z = -356252	30 28 21	LAT. = -11 48 21.8 LONG. = 172 8 12.8 RAD. = 1741119.9	2.1 3.5 31.7
T0889	X = -1677231 Y = 233082 Z = -393825	27 28 16	LAT. = -13 5 33.5 LONG. = 172 5 18.1 RAD. = 1738542.2	1.8 3.4 27.4
S1361	X = -1675721 Y = 220508 Z = -405696	33 28 17	LAT. = -13 29 51.0 LONG. = 172 30 12.7 RAD. = 1738175.3	1.8 3.5 32.9
T0882	X = -1657176 Y = 221076 Z = -464880	29 28 16	LAT. = -15 32 21.2 LONG. = 172 24 4.7 RAD. = 1735287.3	1.8 3.5 28.7

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TERRAIN POINTS ON MAP SHEET 86D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S1356	X = -1694392 Y = 203125 Z = -348362	31 29 23	LAT. = -11 32 15.3 LONG. = 173 9 50.3 RAD. = 1741717.5	2.4 3.5 32.4
194	X = -1678748 Y = 200803 Z = -409208	28 28 16	LAT. = -13 36 20.9 LONG. = 173 10 44.4 RAD. = 1739531.0	1.8 3.5 27.4
T0878	X = -1680270 Y = 193141 Z = -409627	28 28 17	LAT. = -13 36 51.9 LONG. = 173 26 34.2 RAD. = 1740231.4	1.8 3.5 28.8
S1333	X = -1657531 Y = -196907 Z = -474569	36 29 18	LAT. = -15 52 15.9 LONG. = 173 13 31.0 RAD. = 1735337.9	2.4 3.7 34.0
S1323	X = -1693542 Y = 163092 Z = -355528	31 29 25	LAT. = -11 48 10.7 LONG. = 174 29 57.2 RAD. = 1738126.2	2.5 3.6 33.5
193	X = -1680389 Y = 161943 Z = -419022	28 29 15	LAT. = -13 56 29.8 LONG. = 174 29 43.0 RAD. = 1739414.0	1.8 3.6 27.7
T0845	X = -1678963 Y = 148768 Z = -422185	28 29 17	LAT. = -14 3 42.5 LONG. = 174 56 11.0 RAD. = 1737610.1	1.8 3.6 28.5
T0849	X = -1661380 Y = 165162 Z = -475745	28 29 16	LAT. = -15 54 17.8 LONG. = 174 19 21.8 RAD. = 1736028.8	1.8 3.6 28.4
S1267	X = -1697277 Y = 134529 Z = -360157	31 30 25	LAT. = -11 56 38.0 LONG. = 175 28 5.3 RAD. = 1740276.0	2.6 3.7 33.4
192	X = -1681265 Y = 123108 Z = -428932	28 30 16	LAT. = -14 16 32.2 LONG. = 175 48 43.5 RAD. = 1739479.6	1.8 3.7 27.9
S1234	X = -1698278 Y = 93694 Z = -369534	32 31 26	LAT. = -12 15 28.0 LONG. = 176 50 31.9 RAD. = 1740541.0	2.6 3.7 33.8
191	X = -1687795 Y = 100488 Z = -421358	32 31 19	LAT. = -13 59 36.9 LONG. = 176 35 33.9 RAD. = 1742496.5	1.9 3.8 33.3

TERRAIN POINTS ON MAP SHEET 86D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T0823	X = -1683128 Y = 117694 Z = -423085	29 30 18	LAT. = -14 4 37.2 LONG. = 176 0 .2 RAD. = 1739475.0	1.9 3.7 29.9
S1229	X = -1681897 Y = 107699 Z = -444864	33 30 17	LAT. = -14 47 11.7 LONG. = 176 20 9.9 RAD. = 1743066.8	1.8 3.8 33.1
S1167	X = -1697658 Y = 61405 Z = -379960	32 31 26	LAT. = -12 36 27.8 LONG. = 177 55 42.5 RAD. = 1740741.6	2.6 3.8 34.2
T0689	X = -1685530 Y = 72433 Z = -435594	28 31 17	LAT. = -14 28 37.9 LONG. = 177 32 21.6 RAD. = 1742411.6	1.8 3.8 29.2
191	X = -1684256 Y = 84349 Z = -439324	28 31 17	LAT. = -14 36 6.7 LONG. = 177 7 58.7 RAD. = 1742652.9	1.8 3.8 28.2
T0678	X = -1682008 Y = 35793 Z = -439725	30 32 18	LAT. = -14 38 51.6 LONG. = 178 46 51.4 RAD. = 1738904.6	1.9 3.9 31.0
190	X = -1679296 Y = 45245 Z = -447603	28 32 17	LAT. = -14 55 10.5 LONG. = 178 27 24.0 RAD. = 1738514.3	1.9 3.9 28.6
S1139	X = -1677182 Y = 34901 Z = -454317	34 32 18	LAT. = -15 9 12.6 LONG. = 178 48 28.4 RAD. = 1737975.8	1.9 4.0 35.4
S1134	X = -1694245 Y = 17212 Z = -394880	32 32 25	LAT. = -13 7 8.9 LONG. = 179 25 4.6 RAD. = 1739739.3	2.6 3.9 35.0
189	X = -1677984 Y = 6286 Z = -456844	28 33 17	LAT. = -15 13 47.9 LONG. = 179 47 7.2 RAD. = 1739072.9	1.9 4.0 29.0

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○ RANGE
OBSERVATION ▲ ◊ < 30M
 △ ◊ < 100M
 ▽ ◊ > 100M

△S0689

△S0667

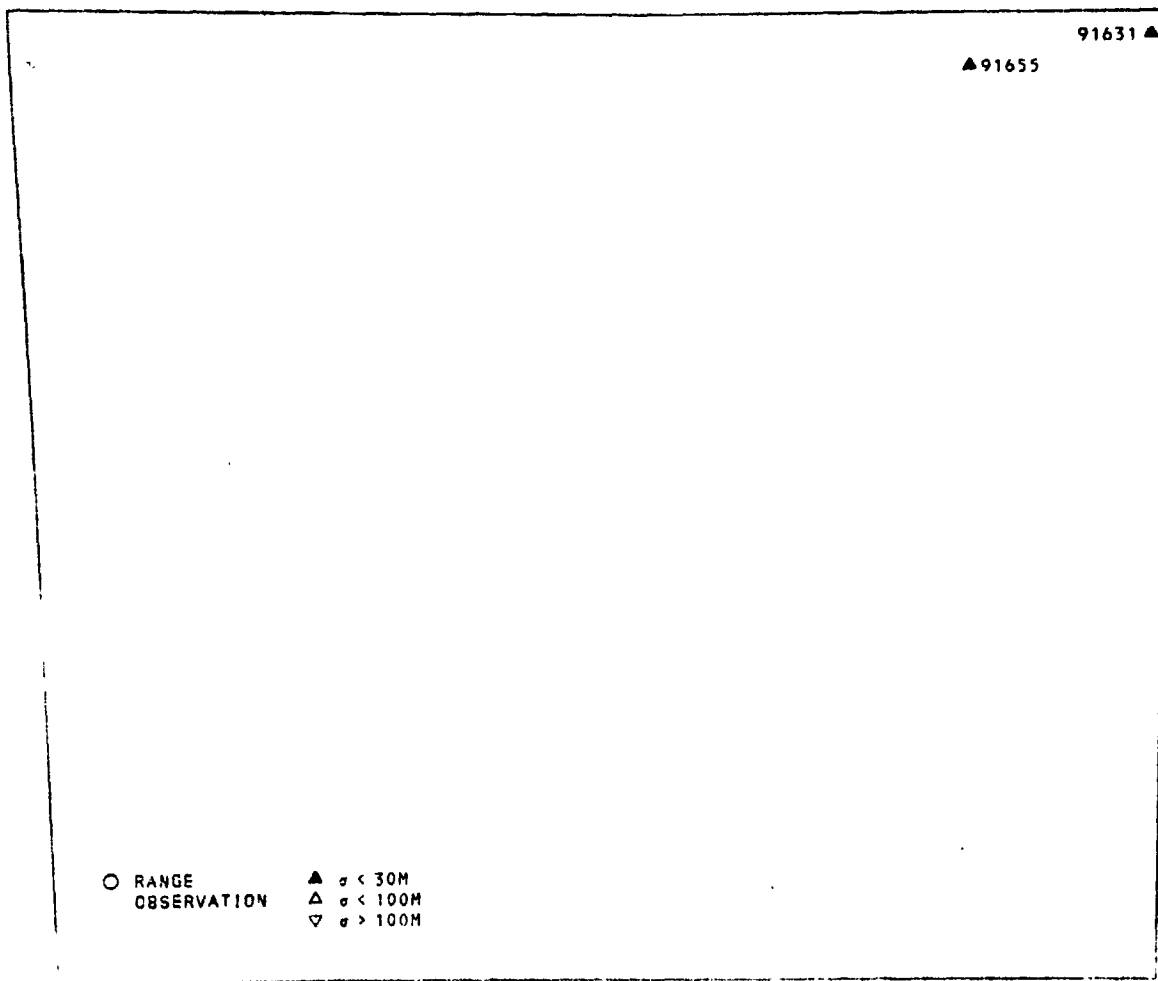
△S0578

MAP SHEET 87D

TERRAIN POINTS ON MAP SHEET 87D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S0689	X = -1653979 Y = -294457 Z = -444795	39 40 34	LAT. = -14 49 46.0 LONG. = 190 5 40.5 RAD. = 1737870.2	3.3 4.7 44.6
S0667	X = -1649484 Y = -330519 Z = -456231	39 40 30	LAT. = -15 10 25.0 LONG. = 191 19 50.5 RAD. = 1743039.6	3.0 4.9 42.8
S0578	X = -1636137 Y = -381768 Z = -459021	37 41 27	LAT. = -15 16 51.6 LONG. = 193 8 2.8 RAD. = 1741663.5	2.8 4.9 40.4

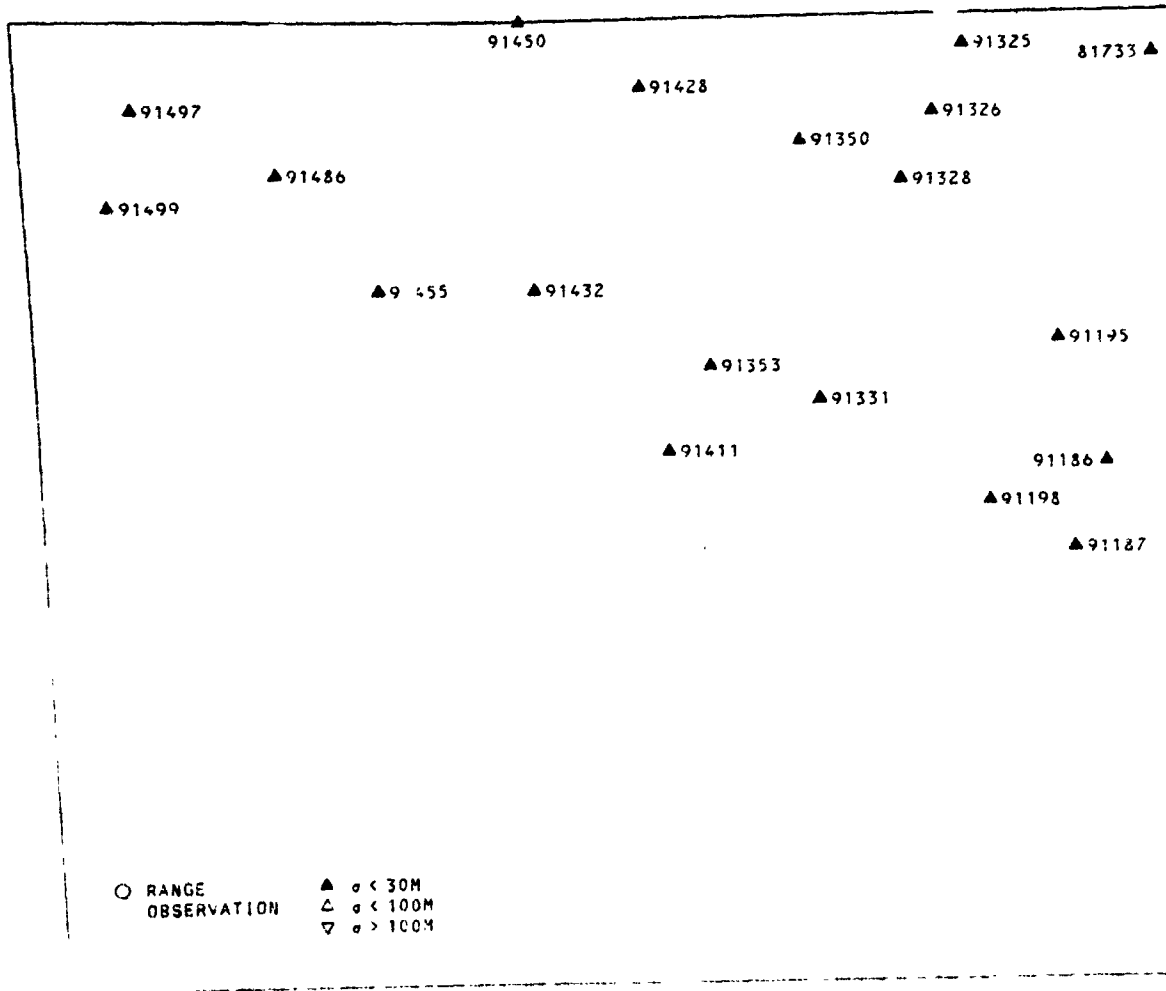
A-532



MAP SHEET 000

TERRAIN POINTS ON MAP SHEET 98B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
91655	X = 616547	15	LAT. = -16 26 40.3	2.2
	Y = 1546915	26	LONG. = 68 16 10.2	2.1
	Z = -491518	15	RAD. = 1736279.5	22.6
91631	X = 574662	14	LAT. = -16 11 29.3	1.9
	Y = 1565244	24	LONG. = 69 50 23.4	1.9
	Z = -484155	14	RAD. = 1736269.2	21.7

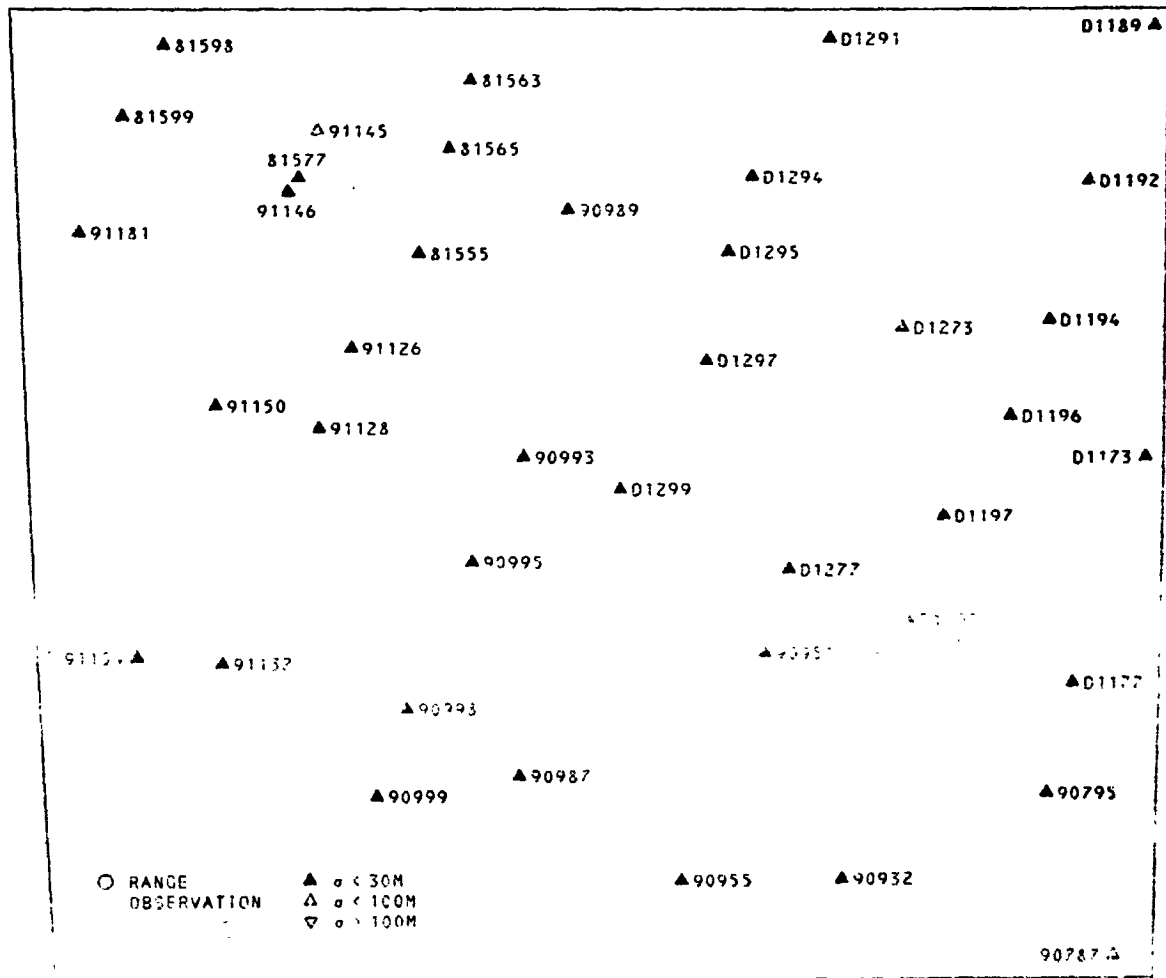


TERRAIN POINTS ON MAP SHEET 99A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
91497	X = 542232 Y = 1572037 Z = -499534	13 23 13	LAT. = -16 43 12.0 LONG. = 70 58 10.2 RAD. = 1736332.2	1.8 1.8 20.6
91499	X = 546731 Y = 1562992 Z = -522418	15 26 15	LAT. = -17 30 37.2 LONG. = 70 43 13.0 RAD. = 1736312.0	2.2 2.0 22.5
91486	X = 507653 Y = 1578581 Z = -515028	13 23 13	LAT. = -17 15 16.2 LONG. = 72 10 22.2 RAD. = 1736341.4	1.8 1.8 20.8
91455	X = 481540 Y = 1578663 Z = -543579	14 25 14	LAT. = -18 13 45.0 LONG. = 73 2 12.2 RAD. = 1737681.0	2.0 2.0 22.0
91450	X = 450912 Y = 1607877 Z = -479050	13 20 13	LAT. = -16 0 24.2 LONG. = 74 20 3.8 RAD. = 1737261.5	1.4 1.6 20.1
91432	X = 443330 Y = 1589552 Z = -544033	13 22 13	LAT. = -18 14 42.7 LONG. = 74 23 1.2 RAD. = 1737674.9	1.8 1.7 20.1
91428	X = 420249 Y = 1611008 Z = -495331	14 20 13	LAT. = -16 34 5.8 LONG. = 75 22 46.6 RAD. = 1737040.3	1.5 1.7 20.2
91353	X = 398602 Y = 1593340 Z = -562130	13 24 13	LAT. = -18 53 37.1 LONG. = 75 57 17.0 RAD. = 1735974.1	1.9 1.8 21.6
91411	X = 407455 Y = 1583254 Z = -582286	14 26 15	LAT. = -19 35 53.0 LONG. = 75 34 23.5 RAD. = 1735992.4	2.2 2.0 22.2
91350	X = 379953 Y = 1617240 Z = -508939	13 20 13	LAT. = -17 1 57.7 LONG. = 76 46 43.5 RAD. = 1737483.2	1.5 1.6 20.1
91331	X = 371441 Y = 1598406 Z = -571023	12 22 13	LAT. = -19 11 11.5 LONG. = 76 55 3.7 RAD. = 1737508.5	1.8 1.7 20.2
91326	X = 347616 Y = 1625929 Z = -502378	12 17 12	LAT. = -16 48 44.0 LONG. = 77 55 55.6 RAD. = 1736912.2	1.4 1.5 16.6

TERRAIN POINTS ON MAP SHEET 99A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
91328	X = 354325	12	LAT. = -17 21 19.1	1.5
	Y = 1619375	20	LONG. = 77 39 28.8	1.6
	Z = -518597	13	RAD. = 1736912.2	20.1
91325	X = 341370	12	LAT. = -16 15 10.5	1.4
	Y = 1633158	17	LONG. = 78 11 37.5	1.5
	Z = -486402	12	RAD. = 1737908.4	16.6
91198	X = 327310	12	LAT. = -20 2 54.0	1.9
	Y = 1597578	22	LONG. = 78 25 17.6	1.6
	Z = -595107	13	RAD. = 1735955.4	20.1
81733	X = 293860	11	LAT. = -16 21 6.0	1.3
	Y = 1638534	16	LONG. = 79 49 56.9	1.4
	Z = -488415	12	RAD. = 1734847.3	16.0
91195	X = 312905	12	LAT. = -18 42 32.2	1.5
	Y = 1614100	20	LONG. = 79 1 44.0	1.6
	Z = -556800	12	RAD. = 1735873.4	20.1
91115	X = 299133	12	LAT. = -19 44 6.1	1.7
	Y = 1605920	22	LONG. = 79 36 54.6	1.6
	Z = -588819	13	RAD. = 1735476.2	20.1
91187	X = 305060	12	LAT. = -20 26 35.3	1.9
	Y = 1595079	24	LONG. = 79 10 22.4	1.7
	Z = -605348	13	RAD. = 1733142.9	20.8



TERRAIN POINTS ON MAP SHEET 99B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81599	X = 262350 Y = 1642772 Z = -504572	11 16 11	LAT. = -16 52 21.8 LONG. = 80 55 35.4 RAD. = 1738424.8	1.4 1.4 15.6
91181	X = 272388 Y = 1631188 Z = -531732	11 17 12	LAT. = -17 49 26.2 LONG. = 80 31 11.3 RAD. = 1737155.6	1.4 1.4 16.5
91154	X = 255806 Y = 1594636 Z = -629815	12 23 14	LAT. = -21 18 16.0 LONG. = 80 53 11.3 RAD. = 1733484.0	2.0 1.6 20.4
81598	X = 252245 Y = 1648515 Z = -487391	11 15 11	LAT. = -16 17 28.2 LONG. = 81 18 1.6 RAD. = 1737463.6	1.3 1.3 15.1
91150	X = 237990 Y = 1623579 Z = -572922	12 20 13	LAT. = -19 14 47.0 LONG. = 81 39 38.8 RAD. = 1738070.5	1.5 1.5 19.6
	X = 234958 Y = 1599598 Z = -632255	14 25 15	LAT. = -21 21 31.0 LONG. = 81 33 37.3 RAD. = 1735991.4	2.2 1.2 21.9
91145	X = 213659 Y = 1648601 Z = -508087	15 27 36	LAT. = -16 59 42.2 LONG. = 82 36 56.3 RAD. = 1738300.4	3.4 1.9 34.4
81577	X = 218386 Y = 1644764 Z = -519315	11 16 11	LAT. = -17 22 46.8 LONG. = 82 26 12.1 RAD. = 1738571.2	1.4 1.4 15.9
	X = 220376 Y = 1642789 Z = -522542	14 19 18	LAT. = -17 29 52.3 LONG. = 82 20 32.6 RAD. = 1737990.8	1.9 1.7 21.4
91126	X = 204343 Y = 1632803 Z = -559562	11 17 12	LAT. = -18 46 49.7 LONG. = 82 51 59.8 RAD. = 1738076.6	1.4 1.4 16.6
91128	X = 211948 Y = 1624359 Z = -578014	12 20 13	LAT. = -19 26 7.5 LONG. = 82 33 57.5 RAD. = 1737114.1	1.5 1.5 19.8
	X = 195729 Y = 1593141 Z = -663513	14 25 15	LAT. = -22 27 32.0 LONG. = 82 59 45.2 RAD. = 1736852.8	2.2 1.9 21.6

TERRAIN POINTS ON MAP SHEET 99B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81563	X = 175574 Y = 1656307 Z = -495976	11 18 12	LAT. = -16 34 56.7 LONG. = 83 56 56.6 RAD. = 1737864.3	1.4 1.4 17.7
81565	X = 180647 Y = 1650959 Z = -512289	10 14 11	LAT. = -17 8 33.8 LONG. = 83 45 20.0 RAD. = 1738027.6	1.3 1.3 14.4
81555	X = 187460 Y = 1638980 Z = -536212	10 15 11	LAT. = -18 0 23.0 LONG. = 83 28 30.3 RAD. = 1734623.7	1.3 1.3 14.8
90995	X = 172969 Y = 1617195 Z = -609253	12 20 13	LAT. = -20 32 9.1 LONG. = 83 53 42.3 RAD. = 1736786.9	1.6 1.5 19.9
90998	X = 188600 Y = 1601819 Z = -643161	12 22 13	LAT. = -21 44 25.3 LONG. = 83 17 5.5 RAD. = 1736390.1	1.9 1.6 19.9
90989	X = 150420 Y = 1647256 Z = -526309	14 19 21	LAT. = -17 39 7.4 LONG. = 84 46 56.9 RAD. = 1735841.0	2.2 1.7 21.9
90993	X = 160760 Y = 1628823 Z = -585319	12 19 14	LAT. = -19 40 39.9 LONG. = 84 21 48.0 RAD. = 1738248.0	1.5 1.5 19.6
90987	X = 160012 Y = 1598098 Z = -658611	12 23 13	LAT. = -22 17 49.7 LONG. = 84 16 56.1 RAD. = 1735883.5	2.0 1.6 20.0
D1297	X = 115234 Y = 1641388 Z = -563077	10 15 11	LAT. = -18 53 28.8 LONG. = 85 59 2.8 RAD. = 1739105.8	1.3 1.3 14.5
D1299	X = 136319 Y = 1627306 Z = -592518	11 16 12	LAT. = -19 56 33.9 LONG. = 85 12 41.5 RAD. = 1737177.3	1.4 1.4 15.9
90955	X = 118944 Y = 1591909 Z = -683204	14 24 15	LAT. = -23 10 11.8 LONG. = 85 43 36.9 RAD. = 1736401.9	2.2 1.8 21.6
D1294	X = 104490 Y = 1656409 Z = -519499	10 15 12	LAT. = -17 22 49.8 LONG. = 86 23 25.6 RAD. = 1739105.9	1.3 1.3 15.1

TERRAIN POINTS ON MAP SHEET 99B (CONTINUED)

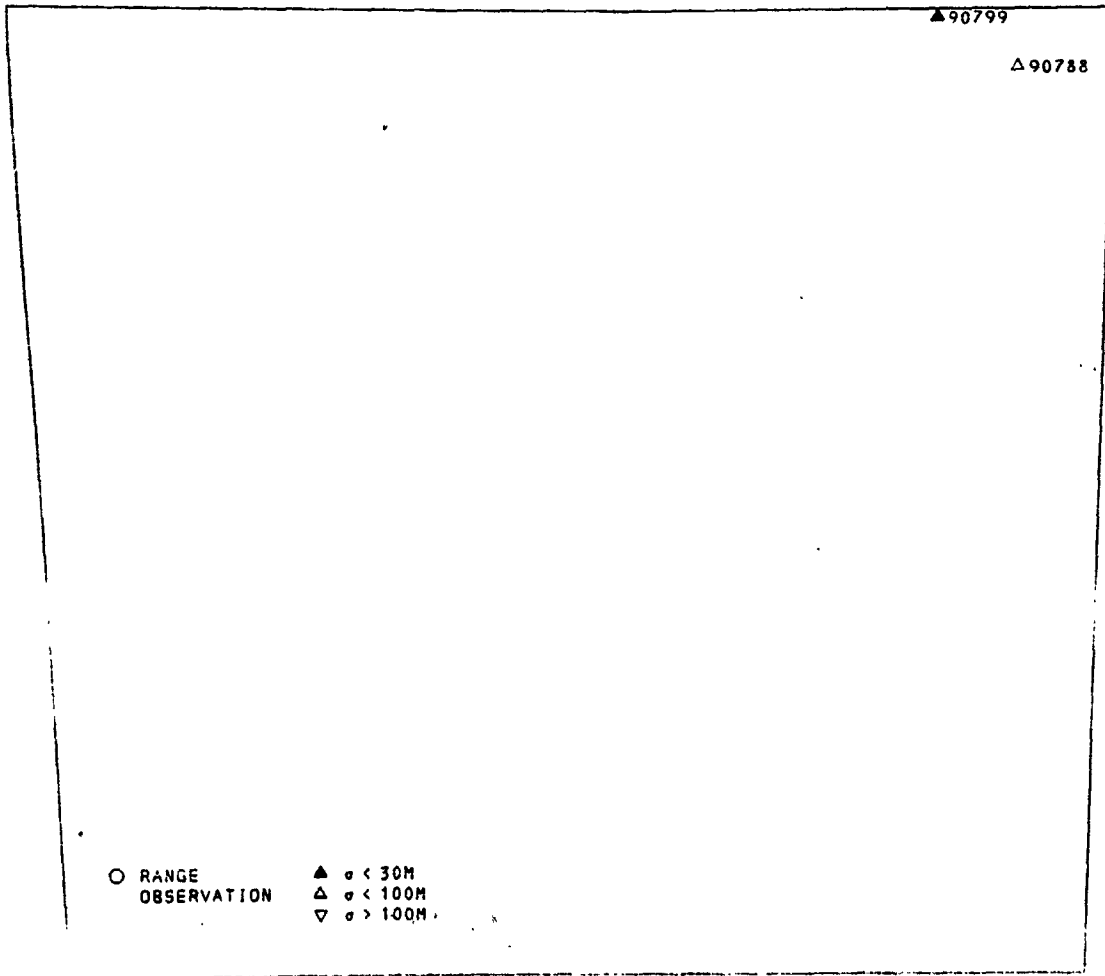
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D1295	X = 110171	10	LAT. = -18 0 4.5	1.4
	Y = 1649497	15	LONG. = 86 10 43.9	1.3
	Z = -537188	12	RAD. = 1738260.4	14.9
D1277	X = 93672	11	LAT. = -20 36 39.2	1.5
	Y = 1623463	18	LONG. = 86 41 51.9	1.4
	Z = -611587	13	RAD. = 1737367.5	18.1
90951	X = 99384	12	LAT. = -21 17 43.7	1.6
	Y = 1615031	20	LONG. = 86 28 43.1	1.5
	Z = -630718	13	RAD. = 1736665.9	19.8
D1291	X = 85077	11	LAT. = -16 14 24.2	1.5
	Y = 1663563	17	LONG. = 87 4 20.5	1.4
	Z = -485204	14	RAD. = 1734964.8	18.2
D1273	X = 66288	11	LAT. = -18 37 41.6	1.4
	Y = 1644408	15	LONG. = 87 41 29.8	1.3
	Z = -554757	12	RAD. = 1736729.1	15.9
D1199	X = 63685	11	LAT. = -21 1 27.7	1.5
	Y = 1613522	17	LONG. = 87 44 43.1	1.4
	Z = -622553	12	RAD. = 1735296.2	16.5
90932	X = 78523	13	LAT. = -23 10 9.2	2.0
	Y = 1593789	23	LONG. = 87 10 45.9	1.7
	Z = -682913	14	RAD. = 1735712.5	20.8
D1194	X = 29293	11	LAT. = -18 33 48.1	1.4
	Y = 1646442	15	LONG. = 88 58 50.6	1.3
	Z = -553005	12	RAD. = 1737079.1	15.8
D1196	X = 38068	10	LAT. = -19 21 10.3	1.4
	Y = 1638801	15	LONG. = 88 38 54.0	1.3
	Z = -575758	12	RAD. = 1737429.3	15.1
D1197	X = 55436	10	LAT. = -20 10 25.7	1.5
	Y = 1626934	16	LONG. = 88 2 54.5	1.3
	Z = -598098	12	RAD. = 1734275.1	15.4
D1189	X = 3741	10	LAT. = -16 8 33.7	1.3
	Y = 1669227	14	LONG. = 89 52 17.7	1.2
	Z = 483147	11	RAD. = 1737746.3	14.1
D1192	X = 1552	12	LAT. = -17 24 57.9	1.5
	Y = 1659120	18	LONG. = 89 19 13.2	1.4
	Z = -520484	15	RAD. = 1738956.4	18.9

TERRAIN POINTS ON MAP SHEET 99B (CONTINUED)

POINT NO.	CARTESIAN POSITION			STD DEV	SPHERICAL POSITION			STD DEV
	X =	Y =	Z =		LAT. =	LONG. =	RAD. =	
D1173	X =	4558		11	LAT. =	-19 41 35.6		1.5
	Y =	1632920		16	LONG. =	89 50 24.3		1.4
	Z =	-584454		13	RAD. =	1734368.7		16.4
D1177	X =	21746		11	LAT. =	-21 33 8.3		1.5
	Y =	1616122		17	LONG. =	89 13 44.8		1.4
	Z =	-638370		12	RAD. =	1737768.5		17.1
90795	X =	27702		13	LAT. =	-22 27 57.4		1.8
	Y =	1604137		22	LONG. =	89 0 38.3		1.7
	Z =	-663437		15	RAD. =	1736136.9		21.8
90787	X =	10084		15	LAT. =	-23 48 32.8		2.5
	Y =	1590565		36	LONG. =	89 38 12.3		1.9
	Z =	-701839		15	RAD. =	1738555.4		32.4

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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MAP SHEET 990

TERRAIN POINTS ON MAP SHEET 99C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
90799	X = 44125	14	LAT. = -24 4 13.0	2.2
	Y = 1586460	24	LONG. = 88 24 24.5	1.8
	Z = -708944	15	RAD. = 1738218.8	21.5
90788	X = 23358	19	LAT. = -24 29 .0	3.1
	Y = 1581201	40	LONG. = 89 9 13.2	2.5
	Z = -720118	17	RAD. = 1737617.2	34.3

TERRAIN POINTS ON MAP SHEET 100A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D1153	X = -20910 Y = 1621148 Z = -626213	11 16 12	LAT. = -21 7 7.8 LONG. = 90 44 19.0 RAD. = 1738015.8	1.5 1.3 15.4
D1155	X = -8916 Y = 1611634 Z = -647037	11 17 12	LAT. = -21 52 26.9 LONG. = 90 19 1.1 RAD. = 1736692.4	1.5 1.4 16.6
D1147	X = -56170 Y = 1648164 Z = -548412	12 17 14	LAT. = -18 23 39.9 LONG. = 91 57 6.9 RAD. = 1737917.3	1.5 1.5 18.1
D1149	X = -43581 Y = 1639231 Z = -574838	12 17 15	LAT. = -19 19 5.5 LONG. = 91 31 22.5 RAD. = 1737647.0	1.6 1.6 18.2
8114J	X = -43534 Y = 1639187 Z = -574825	16 23 16	LAT. = -19 19 5.8 LONG. = 91 31 16.7 RAD. = 1737599.9	1.9 2.0 22.8
D1151	X = -33387 Y = 1632217 Z = -594840	10 15 12	LAT. = -20 1 11.1 LONG. = 91 10 18.5 RAD. = 1737550.0	1.4 1.3 15.2
D1122	X = -51571 Y = 1601670 Z = -664350	11 19 13	LAT. = -22 31 2.9 LONG. = 91 50 39.1 RAD. = 1734752.9	1.6 1.5 18.5
90751	X = -41323 Y = 1592898 Z = -685780	12 21 14	LAT. = -23 17 9.7 LONG. = 91 29 9.7 RAD. = 1734740.8	1.7 1.5 20.3
71442	X = -75878 Y = 1668144 Z = -487752	11 16 12	LAT. = -16 16 57.3 LONG. = 92 36 15.8 RAD. = 1739644.8	1.4 1.4 16.5
D1145	X = -62819 Y = 1659185 Z = -512126	14 20 22	LAT. = -17 8 30.7 LONG. = 92 10 5.8 RAD. = 1737559.5	2.2 1.8 22.6
7114E	X = -62365 Y = 1659273 Z = -512979	24 39 16	LAT. = -17 10 5.0 LONG. = 92 9 9.0 RAD. = 1737879.3	2.6 2.9 36.9
D1118	X = -71819 Y = 1624962 Z = -608433	11 16 13	LAT. = -20 30 32.4 LONG. = 92 31 50.5 RAD. = 1736620.0	1.5 1.4 16.5

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TERRAIN POINTS ON MAP SHEET 100A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D0999	X = -75314 Y = 1595165 Z = -677588	11 18 13	LAT. = -22 59 30.1 LONG. = 92 42 11.3 RAD. = 1734748.0	1.6 1.4 17.3
D0994	X = -110472 Y = 1624298 Z = -608516	11 15 13	LAT. = -20 29 39.2 LONG. = 93 53 27.0 RAD. = 1738056.5	1.5 1.4 15.9
D0996	X = -98351 Y = 1614782 Z = -634936	10 15 12	LAT. = -21 25 43.6 LONG. = 93 29 7.4 RAD. = 1737911.6	1.4 1.3 15.1
D0998	X = -86505 Y = 1603281 Z = -657467	10 15 12	LAT. = -22 16 5.3 LONG. = 93 5 18.2 RAD. = 1735009.2	1.5 1.3 15.1
D0989	X = -139265 Y = 1642429 Z = -539993	11 15 12	LAT. = -18 8 19.9 LONG. = 94 50 47.9 RAD. = 1734520.1	1.4 1.3 14.7
70991	X = -123420 Y = 1635828 Z = -576439	11 17 14	LAT. = -19 21 38.5 LONG. = 94 18 52.8 RAD. = 1738805.9	1.5 1.4 17.7
90593	X = -130487 Y = 1595244 Z = -676405	11 17 13	LAT. = -22 54 32.5 LONG. = 94 40 34.4 RAD. = 1737629.3	1.5 1.4 17.2
71295	X = -153964 Y = 1659753 Z = -487130	13 22 14	LAT. = -16 17 25.8 LONG. = 95 17 59.2 RAD. = 1736600.4	1.6 1.6 22.2
71294	X = -149135 Y = 1650834 Z = -510965	11 16 13	LAT. = -17 7 57.5 LONG. = 95 9 43.3 RAD. = 1734525.7	1.5 1.4 16.1
90589	X = -149013 Y = 1613676 Z = -620068	11 16 13	LAT. = -20 56 18.1 LONG. = 95 16 33.4 RAD. = 1735119.4	1.5 1.4 16.2
D0897	X = -149805 Y = 1590897 Z = -678522	11 16 13	LAT. = -22 59 36.6 LONG. = 95 46 18.2 RAD. = 1737009.6	1.6 1.4 16.1
D0899	X = -146546 Y = 1581576 Z = -701635	12 18 13	LAT. = -23 49 58.4 LONG. = 95 17 37.7 RAD. = 1736419.3	1.7 1.5 17.2

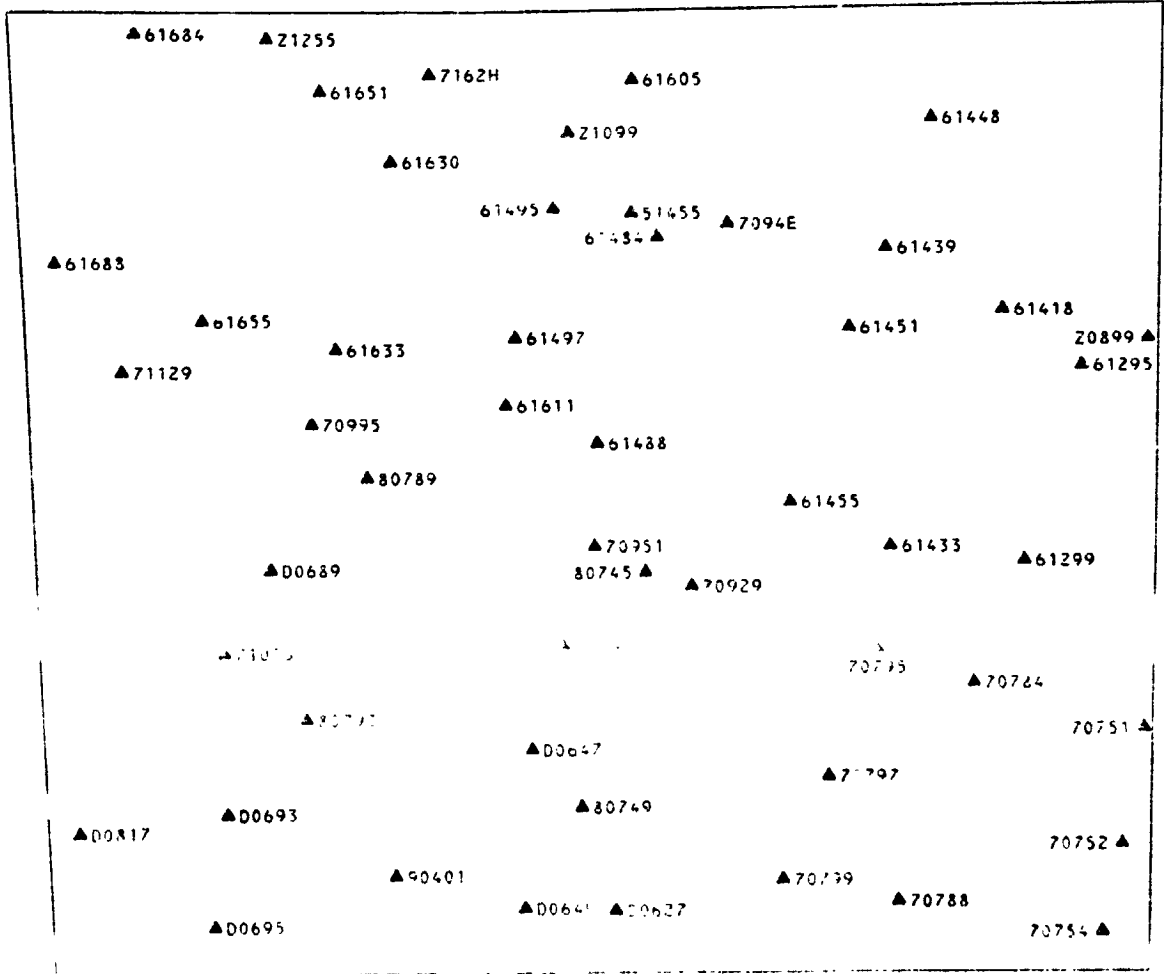
TERRAIN POINTS ON MAP SHEET 100A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
71273	X = -188384	12	LAT. = -16 43 31.3	1.6
	Y = 1651144	19	LONG. = 96 30 32.0	1.4
	Z = -499383	12	RAD. = 1735265.8	18.5
D0893	X = -187577	11	LAT. = -21 15 34.2	1.4
	Y = 1607963	15	LONG. = 96 39 13.6	1.4
	Z = -629851	13	RAD. = 1737078.5	15.1
D0895	X = -171490	11	LAT. = -22 7 47.7	1.5
	Y = 1598829	16	LONG. = 96 7 19.7	1.4
	Z = -653919	12	RAD. = 1735878.5	15.7
71251	X = -222027	12	LAT. = -17 14 51.3	1.5
	Y = 1643937	18	LONG. = 97 41 30.1	1.4
	Z = -515014	12	RAD. = 1736969.9	18.1
80989	X = -226338	14	LAT. = -18 7 47.3	2.3
	Y = 1634517	20	LONG. = 97 53 1.8	1.8
	Z = -540291	23	RAD. = 1736315.1	23.0
D0839	X = -208294	11	LAT. = -18 56 51.4	1.5
	Y = 1628497	15	LONG. = 97 17 10.9	1.4
	Z = -563527	15	RAD. = 1735313.1	15.0
D0890	X = -201543	11	LAT. = -19 31 2.7	1.4
	Y = 1623574	15	LONG. = 97 4 34.5	1.3
	Z = -579910	12	RAD. = 1735773.6	14.7
9087A	X = -221005	17	LAT. = -21 26 58.1	3.8
	Y = 1602450	24	LONG. = 97 51 9.1	2.1
	Z = -635550	41	RAD. = 1737991.2	34.6
90489	X = -220286	14	LAT. = -21 50 17.1	2.2
	Y = 1597223	18	LONG. = 97 51 0.3	1.8
	Z = -646137	22	RAD. = 1736091.3	21.6
D0873	X = -211954	11	LAT. = -22 17 52.1	1.5
	Y = 1593040	17	LONG. = 97 34 43.3	1.4
	Z = -659039	13	RAD. = 1736960.7	17.1
90491	X = -212746	14	LAT. = -22 29 12.7	2.0
	Y = 1590551	19	LONG. = 97 37 6.4	1.8
	Z = -664264	20	RAD. = 1736767.5	21.5
71049	X = -2033763	10	LAT. = 15 04 9.6	1.1
	Y = 1652311	18	LONG. = 98 3 9.1	1.4
	Z = -491228	12	RAD. = 1739564.0	17.7

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TERRAIN POINTS ON MAP SHEET A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	GEODESIC POSITION	STD DEV
D0851	X = -247180 Y = 1583770 Z = -669493	11 15 13	LAT. = -22 40 6.9 LONG. = 98 52 14.2 RAD. = 1737137.1	1.5 1.4 15.3
D0853	X = -233105 Y = 1573481 Z = -697916	11 16 13	LAT. = -23 41 23.9 LONG. = 98 25 36.6 RAD. = 1737027.8	1.6 1.4 15.8
61698	X = -276253 Y = 1636162 Z = -520425	12 19 12	LAT. = -17 24 48.2 LONG. = 99 35 .8 RAD. = 1739018.5	1.5 1.4 18.2
71151	X = -280202 Y = 1623253 Z = -557733	12 16 13	LAT. = -18 42 18.7 LONG. = 99 47 37.5 RAD. = 1739117.2	1.5 1.5 16.9
D0845	X = -280482 Y = 1609321 Z = -593189	11 15 13	LAT. = -19 57 25.5 LONG. = 99 53 11.6 RAD. = 1737945.9	1.5 1.4 15.4
71155	X = -256256 Y = 1609197 Z = -697340	16 23 15	LAT. = -20 19 58.9 LONG. = 99 2 53.1 RAD. = 1737754.6	2.2 1.3 21.7
D0847	X = -270707 Y = 1603195 Z = -614578	11 16 13	LAT. = -20 42 22.8 LONG. = 99 35 3 4 RAD. = 1738166.4	1.5 1.4 15.7
D0849	X = -255352 Y = 1590607 Z = -652035	11 15 13	LAT. = -22 2 7.6 LONG. = 99 7 13.1 RAD. = 1737925.1	1.5 1.4 15.7



TERRAIN POINTS ON MAP SHEET 100B

POINT	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
61688	X = -295159 Y = 1626185 Z = -538863	12 18 12	LAT. = -18 3 28.8 LONG. = 100 17 14.7 RAD. = 1738381.6	1.5 1.5 17.7
71129	X = -308604 Y = 1612930 Z = -564592	13 18 16	LAT. = -18 58 23.6 LONG. = 100 49 53.7 RAD. = 1736532.1	1.7 1.6 20.0
00817	X = -285784 Y = 1576910 Z = -673914	11 16 14	LAT. = -22 48 26.7 LONG. = 100 16 20.0 RAD. = 1738527.9	1.5 1.5 16.7
61684	X = -320809 Y = 1639262 Z = -484487	11 15 12	LAT. = -16 10 29.2 LONG. = 101 4 22.9 RAD. = 1739202.9	1.4 1.4 15.4
61655	X = -330275 Y = 1614480 Z = -553133	16 23 15	LAT. = -18 33 16.7 LONG. = 101 33 41.4 RAD. = 1738270.1	2.1 1.8 22.0
	X = -327102 Y = 1581271 Z = -512211	16 21 15	LAT. = -21 19 21.0 LONG. = 101 39 51.5 RAD. = 1732552.3	2.2 1.9 21.7
00693	X = -323198 Y = 1570739 Z = -669714	12 15 14	LAT. = -22 39 59.0 LONG. = 101 37 37.2 RAD. = 1737870.4	1.5 1.5 16.1
00695	X = -316592 Y = 1560086 Z = -695454	11 16 13	LAT. = -23 35 57.5 LONG. = 101 28 17.0 RAD. = 1737168.8	1.5 1.5 15.7
	X = -355319 Y = 1632019 Z = -403100	15 19 15	LAT. = -16 13 10.8 LONG. = 102 12 51.0 RAD. = 1739230.3	1.8 1.7 18.5
61651	X = -364887 Y = 1623945 Z = -498012	12 15 12	LAT. = -16 39 27.3 LONG. = 102 39 48.9 RAD. = 1737341.6	1.4 1.4 15.5
61633	X = -363234 Y = 1606472 Z = -560809	13 18 12	LAT. = -18 48 13.1 LONG. = 102 44 26.6 RAD. = 1739884.1	1.5 1.5 17.6
00035	X = -341111 Y = 1601020 Z = -578314	11 21 11	LAT. = -19 25 29.9 LONG. = 102 30 21.9 RAD. = 1733915.0	1.7 1.7 21.8

TERRAIN POINTS ON MAP SHEET 100B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
80789	X = -367543 Y = 1593120 Z = -590998	14 20 23	LAT. = -19 52 24.9 LONG. = 102 59 28.3 RAD. = 1738504.9	2.3 1.9 22.8
D0689	X = -340985 Y = 1590550 Z = -612522	14 19 22	LAT. = -20 38 1.0 LONG. = 102 6 .1 RAD. = 1738189.4	2.2 1.9 22.3
80793	X = -345768 Y = 1575648 Z = -647904	14 21 17	LAT. = -21 52 55.8 LONG. = 102 22 37.5 RAD. = 1738390.3	1.8 1.8 22.5
7162H	X = -392364 Y = 1618302 Z = -494012	14 20 22	LAT. = -16 31 26.6 LONG. = 103 37 43.0 RAD. = 1736921.7	2.2 1.8 22.4
61630	X = -391398 Y = 1617035 Z = -515762	12 16 12	LAT. = -17 14 46.6 LONG. = 103 16 16.9 RAD. = 1739620.0	1.4 1.5 15.8
20499	X = -363563 Y = 1556311 Z = -684622	14 17 22	LAT. = -23 11 19.4 LONG. = 103 8 53.7 RAD. = 1758574.1	2.2 1.9 21.5
21099	X = -426213 Y = 1609470 Z = -509580	15 19 13	LAT. = -17 1 2.8 LONG. = 104 49 56.5 RAD. = 1741184.1	1.8 1.7 18.3
61495	X = -420454 Y = 1603536 Z = -527449	15 21 14	LAT. = -17 38 58.8 LONG. = 104 41 32.8 RAD. = 1739630.0	1.6 1.7 21.6
61497	X = -407642 Y = 1594783 Z = -557729	16 23 14	LAT. = -18 43 9.6 LONG. = 104 20 18.1 RAD. = 1737994.1	1.9 1.6 22.0
61611	X = -404067 Y = 1591808 Z = -574460	13 18 12	LAT. = -19 16 45.9 LONG. = 104 14 35.5 RAD. = 1739863.7	1.6 1.6 17.6
D0645	X = -411533 Y = 1566692 Z = -630810	12 15 13	LAT. = -21 16 38.2 LONG. = 104 43 3.9 RAD. = 1738334.3	1.5 1.6 15.7
D0647	X = -400775 Y = 1559287 Z = -655157	13 16 13	LAT. = -22 8 35.8 LONG. = 104 24 51.8 RAD. = 1738168.1	1.6 1.6 15.6

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TERRAIN POINTS ON MAP SHEET 100B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
80749	X = -411322 Y = 1550585 Z = -668439	15 21 17	LAT. = -22 37 13.4 LONG. = 104 51 23.9 RAD. = 1737904.2	1.8 1.9 22.6
D0649	X = -394404 Y = 1544764 Z = -691937	12 16 14	LAT. = -23 27 39.3 LONG. = 104 19 21.3 RAD. = 1737994.8	1.5 1.6 16.2
61605	X = -442773 Y = 1607666 Z = -496528	12 16 12	LAT. = -16 34 53.9 LONG. = 105 23 53.9 RAD. = 1739878.5	1.4 1.5 16.6
51455	X = -439376 Y = 1597935 Z = -528639	17 23 15	LAT. = -17 41 31.3 LONG. = 105 22 27.8 RAD. = 1739513.4	2.1 1.8 21.6
61484	X = -444880 Y = 1593038 Z = -533965	12 15 12	LAT. = -17 53 30.6 LONG. = 105 36 11.5 RAD. = 1738047.2	1.4 1.5 15.6
61480	X = -425644 Y = 1580707 Z = -585566	13 17 13	LAT. = -19 35 53.0 LONG. = 105 3 6.8 RAD. = 1739009.7	1.5 1.6 17.5
70479	X = -422084 Y = 1573692 Z = -607743	15 21 14	LAT. = -20 27 20.9 LONG. = 105 0 50.8 RAD. = 1738968.8	1.7 1.8 21.4
80745	X = -433754 Y = 1567611 Z = -613771	15 20 23	LAT. = -20 40 27.0 LONG. = 105 27 59.8 RAD. = 1738465.0	2.3 2.0 22.8
70479	X = -444500 Y = 1563197 Z = -617103	14 18 16	LAT. = -20 47 33.4 LONG. = 105 52 23.8 RAD. = 1738385.0	1.7 1.7 20.5
00627	X = -416723 Y = 1539201 Z = -692737	13 18 16	LAT. = -23 28 52.3 LONG. = 105 8 56.7 RAD. = 1738586.1	1.6 1.7 19.3
7094E	X = -461740 Y = 1587417 Z = -530334	16 20 22	LAT. = -17 47 8.8 LONG. = 106 13 6.3 RAD. = 1736188.4	2.2 2.1 22.2
61455	X = -470699 Y = 1563474 Z = -597450	13 18 13	LAT. = -20 5 52.5 LONG. = 106 45 17.7 RAD. = 1738665.0	1.6 1.6 17.8

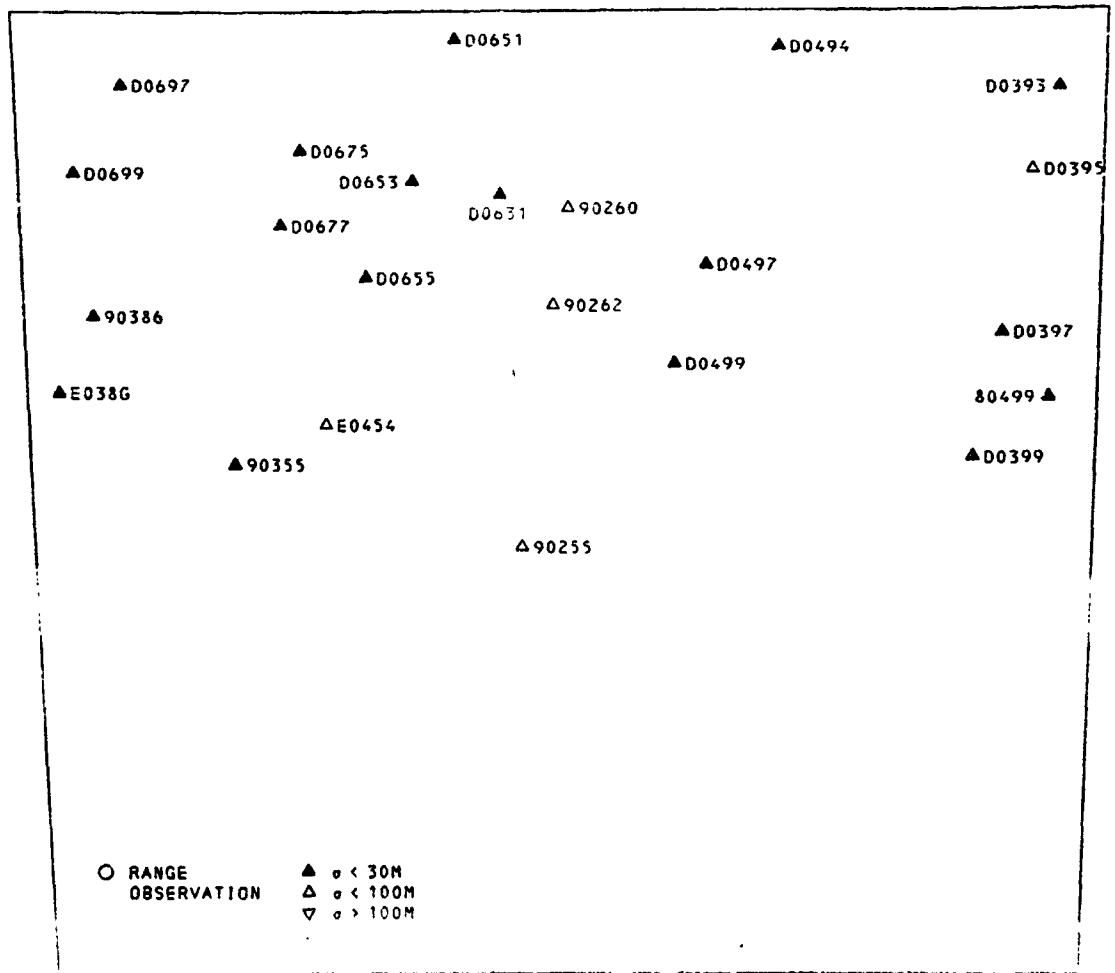
TERRAIN POINTS ON MAP SHEET 100B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
70799	X = -458184 Y = 1529770 Z = -685418	13 16 13	LAT. = -23 13 47.0 LONG. = 106 40 24.9 RAD. = 1737793.3	1.5 1.6 15.7
61448	X = -513251 Y = 1579749 Z = -505502	12 15 11	LAT. = -16 55 35.7 LONG. = 107 59 55.2 RAD. = 1736250.1	1.3 1.5 15.0
61439	X = -499476 Y = 1573593 Z = -536329	12 15 11	LAT. = -17 59 48.6 LONG. = 107 36 36.1 RAD. = 1735892.0	1.4 1.5 15.0
61451	X = -488627 Y = 1570343 Z = -555241	12 15 12	LAT. = -18 39 19.3 LONG. = 107 17 2.5 RAD. = 1735807.0	1.4 1.5 15.2
61433	X = -453803 Y = 1551907 Z = -607971	14 17 13	LAT. = -20 28 16.9 LONG. = 107 39 2.2 RAD. = 1738357.3	1.5 1.7 17.6
70795	X = -487076 Y = 1544404 Z = -632335	17 20 15	LAT. = -21 19 25.7 LONG. = 107 32 4.7 RAD. = 1738393.5	3.1 2.6 36.3
70795	X = -488146 Y = 1544404 Z = -632335	15 21 15	LAT. = -21 19 32.3 LONG. = 107 32 25.5 RAD. = 1738768.9	1.7 1.9 21.4
70797	X = -472281 Y = 1535997 Z = -661558	13 16 13	LAT. = -22 22 33.8 LONG. = 107 5 28.9 RAD. = 1737813.3	1.6 1.7 16.0
70788	X = -485278 Y = 1513667 Z = -690398	14 17 14	LAT. = -23 24 51.9 LONG. = 107 43 15.2 RAD. = 1737331.3	1.6 1.8 18.2
61418	X = -526042 Y = 1559681 Z = -551300	13 15 12	LAT. = -18 31 2.5 LONG. = 108 38 16.7 RAD. = 1735873.4	1.4 1.6 15.8
61299	X = -526076 Y = 1541699 Z = -612149	14 17 13	LAT. = -20 35 43.8 LONG. = 108 50 28.5 RAD. = 1740206.4	1.5 1.7 17.6
70784	X = -510529 Y = 1534171 Z = -640336	14 17 15	LAT. = -21 36 21.0 LONG. = 108 23 57.3 RAD. = 1739007.1	1.6 1.7 18.1

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TERRAIN POINTS ON MAP SHEET 100B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
20899	X = -559840	16	LAT. = -18 45 40.2	1.9
	Y = 1545720	19	LONG. = 109 54 35.0	1.8
	Z = -558413	13	RAD. = 1736230.8	18.6
61295	X = -543462	16	LAT. = -18 58 54.3	1.7
	Y = 1548863	22	LONG. = 109 20 5.5	1.9
	Z = -564608	14	RAD. = 1735831.7	23.0
70751	X = -549861	14	LAT. = -21 59 18.4	1.6
	Y = 1516634	17	LONG. = 109 55 41.9	1.8
	Z = -651411	15	RAD. = 1739788.0	17.9
70752	X = -540372	13	LAT. = -22 56 31.6	1.5
	Y = 1505813	16	LONG. = 109 44 27.2	1.7
	Z = -677183	13	RAD. = 1737254.1	16.2
70754	X = -532895	14	LAT. = -23 40 25.4	1.7
	Y = 1498860	18	LONG. = 109 34 19.3	1.8
	Z = -697430	14	RAD. = 1736942.3	18.3



MAP SHEET 1000

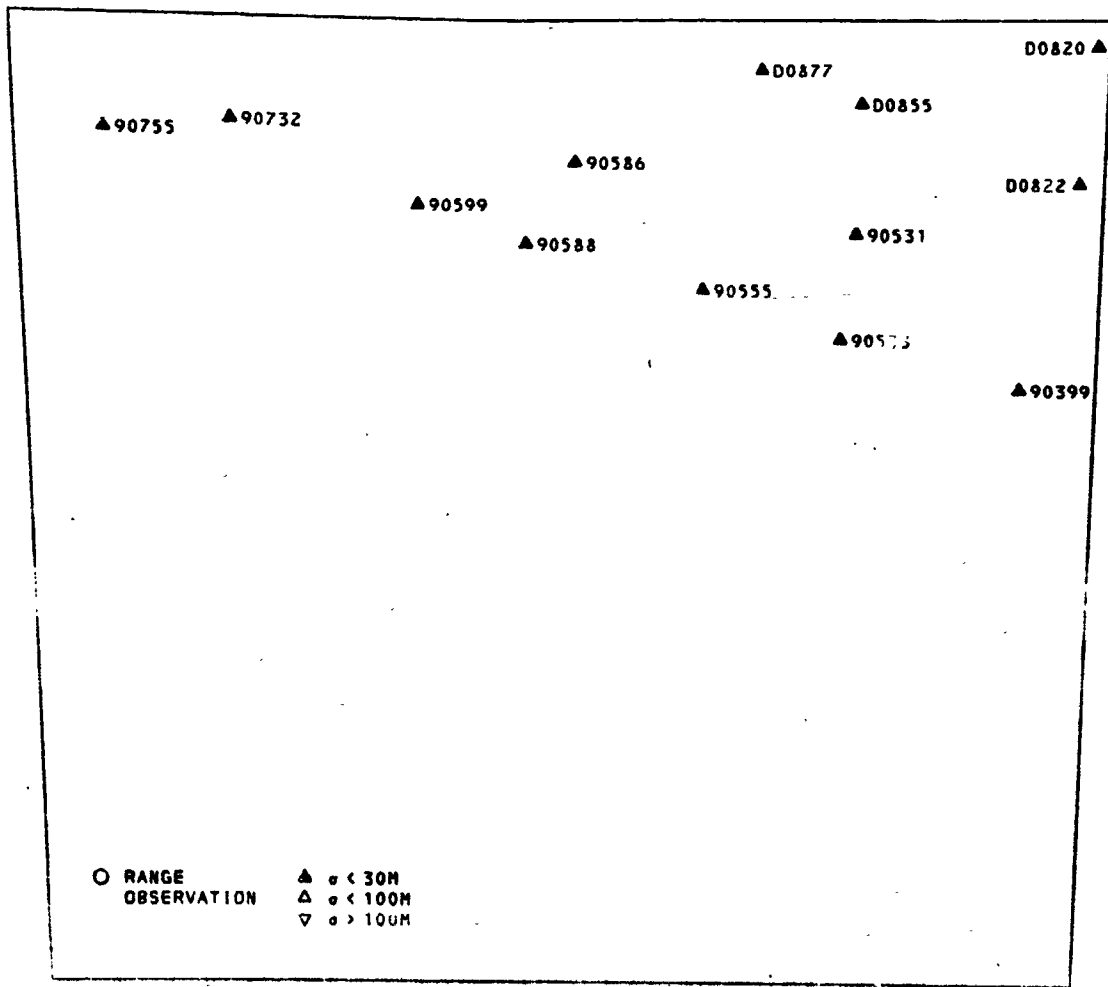
A-550

TERRAIN POINTS ON MAP SHEET 100C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D0697	X = -300393 Y = 1549707 Z = -722974	12 17 13	LAT. = -24 36 27.7 LONG. = 100 58 12.3 RAD. = 1736237.1	1.6 1.5 16.3
D0699	X = -286297 Y = 1543652 Z = -743457	12 17 13	LAT. = -25 20 23.0 LONG. = 100 30 25.6 RAD. = 1737111.7	1.7 1.6 17.0
90386	X = -286379 Y = 1524934 Z = -774660	14 22 15	LAT. = -26 31 53.3 LONG. = 100 38 10.1 RAD. = 1734224.6	2.0 1.8 20.7
E038G	X = -275802 Y = 1518451 Z = -791836	17 25 17	LAT. = -27 9 41.4 LONG. = 100 17 40.7 RAD. = 1734579.1	2.5 2.2 22.3
90355	X = -317607 Y = 1503406 Z = -809072	14 23 15	LAT. = -27 46 6.5 LONG. = 101 55 43.8 RAD. = 1736577.6	2.3 1.8 20.5
D0675	X = -343343 Y = 1533654 Z = -732309	12 17 13	LAT. = -25 9 47.0 LONG. = 102 37 8.0 RAD. = 1736398.7	1.6 1.6 17.1
D0677	X = -336299 Y = 1526884 Z = -755333	13 19 14	LAT. = -25 47 8.4 LONG. = 102 25 16.3 RAD. = 1736375.6	1.7 1.6 18.3
E0454	X = -341402 Y = 1502775 Z = -800186	16 41 18	LAT. = -27 26 24.7 LONG. = 102 47 57.4 RAD. = 1736429.3	3.4 2.2 34.8
D0653	X = -370660 Y = 1525658 Z = -746075	12 17 13	LAT. = -25 25 .6 LONG. = 103 39 19.8 RAD. = 1738289.5	1.6 1.6 16.2
D0655	X = -356050 Y = 1516837 Z = -767299	13 19 14	LAT. = -26 13 7.7 LONG. = 103 12 36.0 RAD. = 1736753.9	1.8 1.7 18.0
D0651	X = -385073 Y = 1536747 Z = -713258	12 17 13	LAT. = -24 14 16.9 LONG. = 104 4 2.3 RAD. = 1737414.6	1.6 1.6 16.8
D0631	X = -391491 Y = 1517361 Z = -748569	14 21 14	LAT. = -25 32 .5 LONG. = 104 28 2.1 RAD. = 1736664.4	1.8 1.8 20.3

TERRAIN POINTS ON MAP SHEET 100C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
90262	X = -401111 Y = 1502059 Z = -773401	17 36 19	LAT. = -26 26 54.9 LONG. = 104 57 5.1 RAD. = 1736438.9	2.2 2.5 35.7
90255	X = -385679 Y = 1476536 Z = -827119	18 46 21	LAT. = -28 27 26.3 LONG. = 104 38 20.0 RAD. = 1735808.9	3.9 2.4 38.1
90260	X = -408107 Y = 1512245 Z = -751921	17 33 22	LAT. = -25 38 35.7 LONG. = 105 6 9.2 RAD. = 1737475.6	2.0 2.5 34.7
D0497	X = -439954 Y = 1496802 Z = -764775	15 19 14	LAT. = -26 6 51.2 LONG. = 106 22 46.6 RAD. = 1737485.4	1.9 1.8 18.4
D0499	X = -429077 Y = 1487828 Z = -786822	17 25 16	LAT. = -26 56 11.5 LONG. = 106 5 13.6 RAD. = 1736901.9	2.4 2.1 22.4
D0494	X = -464633 Y = 1519903 Z = -716047	14 10 14	LAT. = -24 18 17.2 LONG. = 107 2 23.9 RAD. = 1739707.8	1.6 1.7 18.1
D0399	X = -496625 Y = 1453346 Z = -806805	18 25 16	LAT. = -27 42 48.7 LONG. = 108 51 57.2 RAD. = 1734873.5	2.5 2.1 23.4
D0393	X = -529723 Y = 1488692 Z = -724810	14 18 15	LAT. = -24 38 27.8 LONG. = 109 35 13.7 RAD. = 1738436.5	1.6 1.8 18.8
D0395	X = -520993 Y = 1482981 Z = -744052	26 28 22	LAT. = -25 19 52.5 LONG. = 109 21 25.7 RAD. = 1739046.0	2.0 2.7 35.6
D0397	X = -507546 Y = 1464691 Z = -778939	15 20 14	LAT. = -26 40 45.9 LONG. = 109 6 44.2 RAD. = 1734839.6	1.9 1.9 19.4
D0499	X = -516362 Y = 1453884 Z = -793448	19 26 16	LAT. = -27 12 55.8 LONG. = 109 33 10.9 RAD. = 1734925.8	2.5 2.2 24.2



MAP SHEET 100D



TERRAIN POINTS ON MAP SHEET 1000

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
90755	X = -22180 Y = 1575724 Z = -732652	14 24 15	LAT. = -24 56 4.1 LONG. = 90 48 23.2 RAD. = 1737866.1	2.2 1.9 21.5
90732	X = -53468 Y = 1573209 Z = -728905	13 22 14	LAT. = -24 50 48.5 LONG. = 91 56 47.5 RAD. = 1734689.6	2.0 1.7 20.3
90599	X = -100047 Y = 1564915 Z = -749398	13 22 14	LAT. = -25 32 35.1 LONG. = 93 39 28.9 RAD. = 1737977.8	2.1 1.6 19.4
90588	X = -127132 Y = 1558089 Z = -758050	13 22 14	LAT. = -25 52 9.8 LONG. = 94 39 52.9 RAD. = 1737366.9	2.1 1.7 19.9
90586	X = -140373 Y = 1566978 Z = -739916	13 21 14	LAT. = -25 11 17.0 LONG. = 95 7 8.4 RAD. = 1738562.7	1.9 1.6 19.6
90577	X = -188166 Y = 1572412 Z = -717771	13 21 14	LAT. = -24 24 57.4 LONG. = 95 51 31.0 RAD. = 1736440.6	1.8 1.7 19.1
90555	X = -171051 Y = 1546521 Z = -767164	13 22 14	LAT. = -26 14 44.4 LONG. = 96 18 41.3 RAD. = 1734798.5	2.1 1.7 20.2
D0855	X = -213055 Y = 1563665 Z = -725706	12 17 13	LAT. = -24 41 44.4 LONG. = 97 45 32.4 RAD. = 1736976.9	1.6 1.5 16.6
90531	X = -210580 Y = 1552219 Z = -755570	13 21 14	LAT. = -25 46 43.2 LONG. = 97 44 3.4 RAD. = 1737357.1	1.9 1.6 19.8
90533	X = -205656 Y = 1539341 Z = -779523	17 27 15	LAT. = -26 39 14.2 LONG. = 97 36 34.7 RAD. = 1737676.5	2.4 2.0 24.6
D0820	X = -272277 Y = 1560578 Z = -712589	12 17 13	LAT. = -24 13 9.6 LONG. = 99 53 43.8 RAD. = 1737043.5	1.6 1.5 16.7
D0822	X = -266449 Y = 1546653 Z = -743743	12 19 14	LAT. = -25 21 21.2 LONG. = 99 46 28.8 RAD. = 1736745.6	1.7 1.6 18.7

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TERRAIN POINTS ON MAP SHEET 100D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
90399	X = -249647 Y = 1526193 Z = -790095	13 22 15	LAT. = -27 3 45.0 LONG. = 99 17 23.6 RAD. = 1736617.4	2.1 1.7 19.9



▲ 0.50M
 △ 0.100M
 ● 0.00M

MAP SHEET 101A

TERRAIN POINTS OF MAP SHEET 101A

POINT	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
61289	X = -582622 Y = 1566892 Z = -482753	13 18 16	LAT. = -16 6 27.4 LONG. = 110 23 48.5 RAD. = 1740014.0	1.6 1.7 19.0
2812	X = -592179 Y = 1561277 Z = -489358	14 14 12	LAT. = -16 20 2.0 LONG. = 110 46 16.7 RAD. = 1740038.7	1.4 1.7 14.2
Z0895	X = -587856 Y = 1560409 Z = -497311	14 18 12	LAT. = -16 36 24.7 LONG. = 110 38 34.8 RAD. = 1740048.6	1.4 1.7 17.9
61280	X = -594113 Y = 1551815 Z = -515926	13 15 11	LAT. = -17 14 56.3 LONG. = 110 56 57.7 RAD. = 1739908.2	1.3 1.5 15.4
61232	X = -582170 Y = 1547458 Z = -535817	14 16 12	LAT. = -17 57 23.5 LONG. = 110 37 .6 RAD. = 1738001.6	1.4 1.6 16.8
	X = -575995 Y = 1574703 Z = -570713	13 17 11	LAT. = -19 22 57.3 LONG. = 111 34 17.3 RAD. = 1737400.0	1.4 1.6 11.6
61277	X = -560959 Y = 1521605 Z = -625547	14 17 13	LAT. = -21 7 26.2 LONG. = 110 14 13.4 RAD. = 1738539.2	1.5 1.7 17.7
70740	X = -569820 Y = 1506390 Z = -656828	14 17 16	LAT. = -22 11 12.8 LONG. = 110 43 12.3 RAD. = 1739347.1	1.7 1.8 18.6
	X = -605406 Y = 1470617 Z = -486174	15 17 11	LAT. = -16 13 3.4 LONG. = 111 14 40.1 RAD. = 1740416.7	1.8 1.9 19.7
61255	X = -592046 Y = 1506105 Z = -640507	15 18 13	LAT. = -21 35 35.7 LONG. = 111 27 34.7 RAD. = 1740436.8	1.6 1.8 17.7
61236	X = -646687 Y = 1534506 Z = -505365	13 16 12	LAT. = -16 52 56.0 LONG. = 112 51 7.2 RAD. = 1740203.0	1.3 1.6 16.3
	X = -611433 Y = 1571333 Z = -539109	17 17 13	LAT. = -16 44 11.1 LONG. = 112 3 33.4 RAD. = 1739817.4	1.5 1.7 18.3

TRANSFORM POINTS TO MAP SHEET NO. 700 111-60

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
20854	X = -632665	16	LAT. = -19 5 57.8	1.8
	Y = 1516763	19	LONG. = 112 38 30.4	1.8
	Z = -569066	13	RAD. = 1739158.3	18.6
61250	X = -616331	13	LAT. = -19 29 7.4	1.5
	Y = 1519086	18	LONG. = 112 5 1.1	1.8
	Z = -580056	13	RAD. = 1738951.1	17.6
61229	X = -632982	16	LAT. = -20 4 17.4	1.6
	Y = 1504724	19	LONG. = 112 48 53.0	1.8
	Z = -596468	13	RAD. = 1737997.3	19.0
70596	X = -605836	14	LAT. = -23 31 11.4	1.6
	Y = 1473087	17	LONG. = 112 21 21.2	1.9
	Z = -696536	14	RAD. = 1738443.0	17.6
1042	X = -675862	16	LAT. = -16 22 37.1	1.6
	Y = 1525745	21	LONG. = 113 53 31.2	1.9
	Z = -490408	14	RAD. = 1739306.6	22.1
2810	X = -662868	14	LAT. = -16 31 30.1	1.5
	Y = 1522221	15	LONG. = 113 5 30.1	1.8
	Z = -494831	13	RAD. = 1739175.0	18.0
61223	X = -658702	14	LAT. = -17 1 46.6	1.4
	Y = 1527210	15	LONG. = 113 19 51.8	1.8
	Z = -509433	13	RAD. = 1739476.8	14.6
61225	X = -667088	13	LAT. = -17 6 54.8	1.3
	Y = 1521535	15	LONG. = 113 40 26.8	1.7
	Z = -511581	12	RAD. = 1738329.6	15.0
61226	X = -650497	15	LAT. = -17 23 43.6	1.5
	Y = 1522260	13	LONG. = 113 11 11.1	1.7
	Z = -520331	12	RAD. = 1739461.1	17.7
61225	X = -657257	14	LAT. = -18 3 17.7	1.4
	Y = 1516785	16	LONG. = 113 25 41.4	1.7
	Z = -530865	12	RAD. = 1738677.5	16.6
61226	X = -646943	14	LAT. = -18 18 32.0	1.4
	Y = 1515548	17	LONG. = 113 7 47.6	1.7
	Z = -560947	12	RAD. = 1739843.2	17.6
61227	X = -601711	13	LAT. = -20 22 34.9	1.4
	Y = 1490081	15	LONG. = 112 54 47.2	1.7
	Z = -605521	12	RAD. = 1739185.6	15.2

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

POINTS ON MAP SHEET 1019 (CONTINUED)

POINT NO.	CARTESIAN COORDINATES	SVC DEL.	GEOGRAPHICAL POSITION	STD. DEV.
61211	X = -634274 Y = 1475941 Z = -664261	14 17 13	LAT. = -22 27 53.3 LONG. = 113 15 18.8 RAD. = 1738375.6	1.6 1.8 16.4
614-5	X = -639692 Y = 1469149 Z = -674599	16 22 25	LAT. = -22 49 51.8 LONG. = 113 31 44.7 RAD. = 1738588.1	2.4 2.3 25.4
61205	X = -688350 Y = 1489531 Z = -577398	14 17 12	LAT. = -19 23 9.5 LONG. = 114 48 10.2 RAD. = 1739515.9	1.4 1.8 16.8
61201	X = -707515 Y = 1499849 Z = -522856	14 15 12	LAT. = -17 29 57.7 LONG. = 115 15 15.8 RAD. = 1738822.4	1.4 1.7 15.9
2893	X = -724167 Y = 1489734 Z = -528381	15 15 13	LAT. = -17 41 31.8 LONG. = 115 55 28.6 RAD. = 1738652.1	1.5 1.9 15.2
61000	X = -718017 Y = 1480745 Z = -553417	16 18 15	LAT. = -18 2 35.0 LONG. = 115 44 52.2 RAD. = 1738555.5	1.5 1.9 19.0
61000	X = -720124 Y = 1480508 Z = -563263	15 17 14	LAT. = -18 53 14.0 LONG. = 115 56 18.3 RAD. = 1740042.8	1.5 1.9 18.7
61000	X = -712011 Y = 1478681 Z = -575869	19 22 14	LAT. = -19 20 7.3 LONG. = 115 42 41.9 RAD. = 1739276.2	2.1 2.1 22.4
61000	X = -708302 Y = 1478314 Z = -585498	14 17 14	LAT. = -19 40 10.3 LONG. = 115 37 12.6 RAD. = 1739475.8	1.4 1.8 16.2
20699	X = -695589 Y = 1476412 Z = -600324	17 20 14	LAT. = -20 11 42.3 LONG. = 115 13 36.4 RAD. = 1738972.0	1.9 1.9 19.1
61000	X = -694763 Y = 1476083 Z = -602116	14 16 12	LAT. = -20 58 24.4 LONG. = 115 20 48.3 RAD. = 1738068.8	1.5 1.8 15.9
61000	X = -694119 Y = 1475717 Z = -603118	14 14 15	LAT. = -20 9 22.3 LONG. = 115 44 42.7 RAD. = 1737053.1	1.5 1.9 15.4

TERRAIN POINTS ON MAP SHEET 101A (CONTINUED)

POINT NO.	CARTESIAN POSITION:	STD DEV	SPHERICAL POSITION	STD DEV
70540	X = -674459 Y = 1439207 Z = -704248	16 19 15	LAT. = -23 53 51.3 LONG. = 115 6 33.5 RAD. = 1738441.0	1.7 2.1 19.1
41496	X = -756670 Y = 1490883 Z = -487952	15 15 13	LAT. = -16 16 35.9 LONG. = 116 55 17.9 RAD. = 1740974.8	1.4 1.8 16.0
41497	X = -747732 Y = 1486793 Z = -509785	14 16 12	LAT. = -17 1 51.0 LONG. = 116 41 54.8 RAD. = 1740556.7	1.4 1.8 16.2
1040	X = -738141 Y = 1489084 Z = -515210	17 21 14	LAT. = -17 13 23.5 LONG. = 116 22 3.7 RAD. = 1740018.9	1.6 2.0 22.3
20693	X = -728122 Y = 1492159 Z = -516803	15 18 14	LAT. = -17 17 22.4 LONG. = 116 0 38.8 RAD. = 1738903.2	1.5 1.9 19.0
61072	X = -734844 Y = 1483897 Z = -535659	14 15 12	LAT. = -17 55 33.0 LONG. = 115 20 42.8 RAD. = 1740563.7	1.3 1.7 15.1
61062	X = -718078 Y = 1452123 Z = -629340	15 16 13	LAT. = -21 13 50.2 LONG. = 116 18 45.0 RAD. = 1737920.0	1.5 1.9 16.4
61045	X = -763780 Y = 1463071 Z = -548833	14 15 12	LAT. = -18 23 38.2 LONG. = 117 33 58.7 RAD. = 1739296.8	1.3 1.8 15.5
61049	X = -742469 Y = 1453831 Z = -597651	16 18 13	LAT. = -20 6 29.0 LONG. = 117 3 12.1 RAD. = 1738411.1	1.5 1.6 19.3
20655	X = -758840 Y = 1439582 Z = -609688	18 19 13	LAT. = -20 32 19.0 LONG. = 117 47 41.5 RAD. = 1737801.2	1.8 2.0 19.4
61030	X = -757522 Y = 1425178 Z = -642104	15 16 13	LAT. = -21 41 39.9 LONG. = 117 59 30.8 RAD. = 1737029.1	1.5 1.9 16.3
A143E	X = -783558 Y = 1472778 Z = -497902	21 22 13	LAT. = -16 37 5.5 LONG. = 118 3 51.1 RAD. = 1740960.6	2.1 2.1 22.5

TERRAIN POINTS ON MAP SHEET 101A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
20649	X = -790065 Y = 1454415 Z = -537577	16 18 14	LAT. = -17 59 35.9 LONG. = 118 30 41.9 RAD. = 1740262.5	1.5 2.0 19.0
1038	X = -799618 Y = 1449427 Z = -538879	18 21 15	LAT. = -18 1 54.8 LONG. = 118 53 4.5 RAD. = 1740867.4	1.6 2.1 22.2
2806	X = -789285 Y = 1450035 Z = -548799	15 15 13	LAT. = -18 23 15.8 LONG. = 118 33 37.4 RAD. = 1739755.9	1.5 2.0 15.3
B1018	X = -794165 Y = 1443766 Z = -559445	30 28 17	LAT. = -18 45 11.4 LONG. = 118 48 49.2 RAD. = 1740154.0	1.8 2.7 36.2
61012	X = -794371 Y = 1443693 Z = -559467	21 22 15	LAT. = -18 45 12.5 LONG. = 118 49 15.2 RAD. = 1740194.8	2.1 2.2 22.1
	X = -779299 Y = 1443739 Z = -555452	16 18 15	LAT. = -18 57 27.8 LONG. = 118 13 21.1 RAD. = 1740545.0	1.5 2.0 18.9
51010	X = -786170 Y = 1439624 Z = -581020	15 18 14	LAT. = -19 30 17.9 LONG. = 118 38 19.3 RAD. = 1740161.8	1.5 1.9 18.9
61016	X = -770743 Y = 1432266 Z = -612828	15 17 12	LAT. = -20 38 43.8 LONG. = 118 17 9.4 RAD. = 1738099.7	1.4 1.9 16.6
	X = -776194 Y = 1428751 Z = -656100	15 16 13	LAT. = -22 12 34.7 LONG. = 118 51 13.9 RAD. = 1737523.4	1.4 1.9 15.9
70505	X = -752338 Y = 1403579 Z = -694779	17 21 17	LAT. = -23 34 14.9 LONG. = 118 11 31.0 RAD. = 1737459.2	1.8 2.2 22.9
60399	X = -758593 Y = 1398795 Z = -697279	17 18 14	LAT. = -23 39 46.0 LONG. = 118 28 18.5 RAD. = 1737322.7	1.8 2.1 17.9
20649	X = -7814244 Y = 1460385 Z = -541964	15 18 17	LAT. = -16 4 29.3 LONG. = 119 7 55.3 RAD. = 1740520.5	1.8 2.0 19.3

TERRAIN POINTS ON MAP SHEET 1014 (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
896	X = -828083	16	LAT. = -16 20 51.6	1.6
	Y = 1450633	15	LONG. = 119 43 10.4	2.1
	Z = -489953	14	RAD. = 1740721.0	14.9
41452	X = -819355	15	LAT. = -17 2 21.5	1.3
	Y = 1448532	16	LONG. = 119 29 40.1	1.8
	Z = -510048	12	RAD. = 1740614.2	15.9
41453	X = -805981	14	LAT. = -17 52 20.4	1.3
	Y = 1447801	15	LONG. = 119 6 15.8	1.8
	Z = -534321	12	RAD. = 1741043.8	15.6
60890	X = -819595	15	LAT. = -19 10 42.2	1.4
	Y = 1420258	16	LONG. = 119 59 17.4	1.9
	Z = -570337	12	RAD. = 1736131.9	16.2
60893	X = -798641	15	LAT. = -20 48 5.0	1.4
	Y = 1415124	17	LONG. = 119 26 19.3	1.9
	Z = -617298	12	RAD. = 1738234.6	17.0

TERRAIN POINTS ON MAP SHEET 101B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
41430	X = -842960 Y = 1425903 Z = -524594	15 16 12	LAT. = -17 34 22.8 LONG. = 120 35 26.0 RAD. = 1737521.3	1.4 1.9 16.7
60871	X = -828856 Y = 1390011 Z = -629409	15 16 12	LAT. = -21 15 6.4 LONG. = 120 48 26.5 RAD. = 1736458.6	1.4 1.9 16.0
60874	X = -814013 Y = 1381050 Z = -667657	15 17 13	LAT. = -22 36 38.6 LONG. = 120 30 56.8 RAD. = 1736572.3	1.5 2.0 16.6
20490	X = -871754 Y = 1415428 Z = -504245	16 28 24	LAT. = -16 52 27.5 LONG. = 121 37 43.2 RAD. = 1737139.9	2.3 2.6 28.7
41407	X = -872583 Y = 1402696 Z = -534056	15 15 12	LAT. = -17 54 55.3 LONG. = 121 53 5.1 RAD. = 1736137.4	1.3 1.9 15.4
41409	X = -865389 Y = 1399475 Z = -553393	15 16 12	LAT. = -18 36 17.0 LONG. = 121 43 52.6 RAD. = 1736153.9	1.4 2.0 15.1
20493	X = -851056 Y = 1408088 Z = -553874	17 29 16	LAT. = 18 36 19.1 LONG. = 121 2 56.4 RAD. = 1736025.3	1.6 2.4 28.9
1036	X = -855933 Y = 1402251 Z = -561070	19 21 15	LAT. = -18 51 22.6 LONG. = 121 23 59.5 RAD. = 1736009.0	1.6 2.2 22.8
2304	X = -849505 Y = 1404127 Z = -566329	16 17 14	LAT. = -19 2 20.4 LONG. = 121 10 27.0 RAD. = 1736075.4	1.0 2.1 15.2
4086G	X = -848473 Y = 1402552 Z = -571749	22 22 15	LAT. = -19 13 42.1 LONG. = 121 10 18.5 RAD. = 1736075.2	2.0 2.3 22.9
60867	X = -850585 Y = 1399370 Z = -576753	15 16 12	LAT. = -19 24 7.1 LONG. = 121 7 33.6 RAD. = 1735196.0	1.3 1.9 16.7
60869	X = -843360 Y = 1396342 Z = -595672	15 16 12	LAT. = -20 3 36.3 LONG. = 121 7 51.8 RAD. = 1736620.6	1.4 1.9 16.7

TERRAIN POINTS ON MAP SHEET 101B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
60849	X = -856831 Y = 1373963 Z = -627822	16 17 12	LAT. = -21 11 33.5 LONG. = 121 56 54.5 RAD. = 1736690.7	1.4 2.0 17.2
60851	X = -839090 Y = 1368166 Z = -663635	15 16 13	LAT. = -22 27 51.9 LONG. = 121 31 14.2 RAD. = 1736767.7	1.5 2.0 16.3
60853	X = -833688 Y = 1362696 Z = -683211	15 16 13	LAT. = -23 9 19.1 LONG. = 121 27 28.8 RAD. = 1737455.8	1.5 2.0 16.2
41417	X = -885154 Y = 1411082 Z = -495363	15 16 13	LAT. = -16 33 42.2 LONG. = 122 5 58.3 RAD. = 1737824.7	1.4 1.9 16.7
894	X = -883632 Y = 1403612 Z = -514107	17 16 14	LAT. = -17 13 17.9 LONG. = 122 11 31.6 RAD. = 1736444.3	1.6 2.2 15.2
	X = -897008 Y = 1383391 Z = -546193	15 15 12	LAT. = -18 7 42.7 LONG. = 122 55 52.3 RAD. = 1736119.7	1.3 1.2 10.0
60845	X = -880103 Y = 1378980 Z = -582605	15 16 13	LAT. = -19 36 9.7 LONG. = 122 32 49.7 RAD. = 1736546.9	1.1 2.0 16.9
60830	X = -862461 Y = 1341795 Z = -688848	16 18 13	LAT. = -23 21 27.3 LONG. = 122 43 53.6 RAD. = 1737458.8	1.6 2.1 17.8
31676	X = -929548 Y = 1389007 Z = -480327	17 16 14	LAT. = -16 2 2.3 LONG. = 123 47 26.7 RAD. = 1739015.5	1.6 2.2 15.5
31676	X = -930210 Y = 1384329 Z = -487506	17 18 13	LAT. = -16 17 37.0 LONG. = 123 53 57.9 RAD. = 1737618.6	1.4 2.0 19.0
1034	X = -913020 Y = 1357314 Z = -583927	19 21 15	LAT. = -19 38 40.8 LONG. = 123 55 38.6 RAD. = 1736916.1	1.6 2.3 22.8
1034	X = -907195 Y = 1352642 Z = -602959	19 19 14	LAT. = -20 18 40.4 LONG. = 123 52 .3 RAD. = 1737036.7	1.5 2.1 18.1

TEPRAIN POINTS ON MAP SHEET 101B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
4082D	X = -910215 Y = 1350354 Z = -604190	22 22 15	LAT. = -20 21 20.1 LONG. = 123 58 55.9 RAD. = 1736949.5	2.1 2.3 23.0
31654	X = -952295 Y = 1364767 Z = -500406	17 17 12	LAT. = -16 44 8.6 LONG. = 124 54 22.4 RAD. = 1737774.3	1.4 2.1 17.7
8098	X = -943605 Y = 1366082 Z = -508523	16 17 13	LAT. = -17 1 44.6 LONG. = 124 38 3.6 RAD. = 1736423.3	1.4 2.1 16.6
809	X = -943618 Y = 1366078 Z = -508527	18 21 22	LAT. = -17 1 45.0 LONG. = 124 38 5.2 RAD. = 1736428.5	2.2 2.3 23.1
	X = -939821 Y = 1357742 Z = -538323	17 16 14	LAT. = -18 3 22.1 LONG. = 124 41 26.7 RAD. = 1736813.1	1.6 2.3 15.3
	X = -933351 Y = 1357742 Z = -538323	15 16 12	LAT. = -18 27 2.4 LONG. = 123 27 54.3 RAD. = 1736821.5	1.3 2.0 15.7
80993	X = -920814 Y = 1356671 Z = -572318	17 19 13	LAT. = -19 14 29.3 LONG. = 124 9 57.3 RAD. = 1736664.1	1.5 2.1 19.7
8099C	X = -920826 Y = 1356686 Z = -572338	19 21 16	LAT. = -19 14 30.9 LONG. = 124 9 57.6 RAD. = 1736688.7	1.7 2.3 22.8
8099D	X = -939255 Y = 1347268 Z = -579901	16 16 17	LAT. = -19 28 2.6 LONG. = 124 59 18.6 RAD. = 1737331.7	1.4 2.1 16.7
60689	X = -930186 Y = 1340246 Z = -597409	16 16 13	LAT. = -20 6 44.3 LONG. = 124 45 44.1 RAD. = 1737355.5	1.4 2.1 16.7
60691	X = -919531 Y = 1335646 Z = -623632	16 16 13	LAT. = -21 2 9.7 LONG. = 124 32 44.3 RAD. = 1737355.6	1.4 2.1 17.3
60697	X = -939175 Y = 1339233 Z = -648143	17 17 13	LAT. = -21 54 44.8 LONG. = 124 21 1.2 RAD. = 1736763.9	1.4 2.1 18.3



TERRAIN POINTS ON MAP SHEET 101B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
60695	X = -898413 Y = 1324198 Z = -674773	16 17 13	LAT. = -22 51 51.1 LONG. = 124 9 18.9 RAD. = 1736653.7	1.5 2.1 17.1
60696	X = -890704 Y = 1319352 Z = -698480	16 17 13	LAT. = -23 41 27.3 LONG. = 124 1 24.8 RAD. = 1738365.7	1.5 2.1 17.0
B0980	X = -955294 Y = 1343674 Z = -547442	16 16 13	LAT. = -18 22 8.4 LONG. = 125 24 40.2 RAD. = 1737164.2	1.4 2.1 16.9
B0955	X = -935091 Y = 1304996 Z = -665954	22 21 15	LAT. = -22 31 45.6 LONG. = 125 37 24.2 RAD. = 1738074.7	2.1 2.4 22.6
60674	X = -930019 Y = 1294541 Z = -695381	17 18 13	LAT. = -23 34 10.1 LONG. = 125 41 38.6 RAD. = 1739059.2	1.5 2.2 17.7
60673	X = -983305 Y = 1344351 Z = -502140	20 21 15	LAT. = -16 46 32.3 LONG. = 126 10 44.2 RAD. = 1739786.3	1.6 2.3 22.9
31632	X = -979837 Y = 1343541 Z = -508868	33 25 20	LAT. = -17 0 53.7 LONG. = 126 6 11.0 RAD. = 1739002.4	1.8 2.8 37.3
B0947	X = -987292 Y = 1312489 Z = -563965	16 16 13	LAT. = -18 57 6.2 LONG. = 126 57 5.6 RAD. = 1736499.4	1.4 2.1 16.6
60656	X = -974556 Y = 1309733 Z = -590670	16 16 12	LAT. = -19 53 26.6 LONG. = 126 39 8.9 RAD. = 1736102.2	1.3 2.1 16.1
61032	X = -968270 Y = 1308431 Z = -603777	20 21 15	LAT. = -20 21 4.6 LONG. = 126 30 3.3 RAD. = 1736112.3	1.7 2.4 22.9
60650	X = -971497 Y = 1302355 Z = -610399	16 16 12	LAT. = -20 35 7.9 LONG. = 126 42 38.6 RAD. = 1736036.6	1.3 2.1 16.1
60651	X = -960625 Y = 1302462 Z = -628283	25 22 15	LAT. = -21 15 8 LONG. = 126 24 37.3 RAD. = 1736070.6	2.2 2.4 23.2



TERRAIN POINTS ON MAP SHEET 101B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
4066J	X = -957259 Y = 1303230 Z = -637844	29 40 22	LAT. = -21 31 37.4 LONG. = 126 17 53.9 RAD. = 1738274.7	3.9 2.5 37.3
60669	X = -957246 Y = 1305184 Z = -637964	16 17 13	LAT. = -21 31 52.7 LONG. = 126 17 56.2 RAD. = 1738277.2	1.4 2.1 17.3
60671	X = -949599 Y = 1299765 Z = -659910	17 18 13	LAT. = -22 17 29.9 LONG. = 126 9 5.8 RAD. = 1739714.9	1.5 2.2 17.9
60649	X = -960465 Y = 1288603 Z = -668243	18 18 13	LAT. = -22 34 37.3 LONG. = 126 41 56.9 RAD. = 1740557.2	1.5 2.2 19.2
60651	X = -951613 Y = 1278949 Z = -694660	17 19 14	LAT. = -23 32 44.2 LONG. = 126 39 5.0 RAD. = 1738916.1	1.6 2.3 18.7
31495	X = -1018886 Y = 1320252 Z = -499080	17 17 13	LAT. = -16 39 38.0 LONG. = 127 39 31.2 RAD. = 1740768.0	1.4 2.1 17.0
31498	X = -1006863 Y = 1320768 Z = -524990	17 17 12	LAT. = -17 32 32.1 LONG. = 127 19 9.9 RAD. = 1741785.4	1.4 2.1 17.7
B0945	X = -1000759 Y = 1320485 Z = -535374	16 16 12	LAT. = -17 54 25.0 LONG. = 127 9 26.9 RAD. = 1741213.3	1.3 2.1 15.8
390	X = -993895 Y = 1308689 Z = -561115	18 16 14	LAT. = 18 51 9.4 LONG. = 127 12 54.6 RAD. = 1736474.5	1.6 2.4 15.9
B0882	X = -1000715 Y = 1288196 Z = -593933	17 17 13	LAT. = -20 0 24.2 LONG. = 127 50 28.7 RAD. = 1735982.7	1.4 2.2 17.4
60645	X = -985712 Y = 1291166 Z = -612259	17 18 15	LAT. = -20 39 6.9 LONG. = 127 21 32.3 RAD. = 1735972.4	1.5 2.2 19.8
60647	X = -976103 Y = 1288449 Z = -633189	17 17 13	LAT. = -21 23 28.3 LONG. = 127 8 48.6 RAD. = 1736031.4	1.4 2.2 17.7

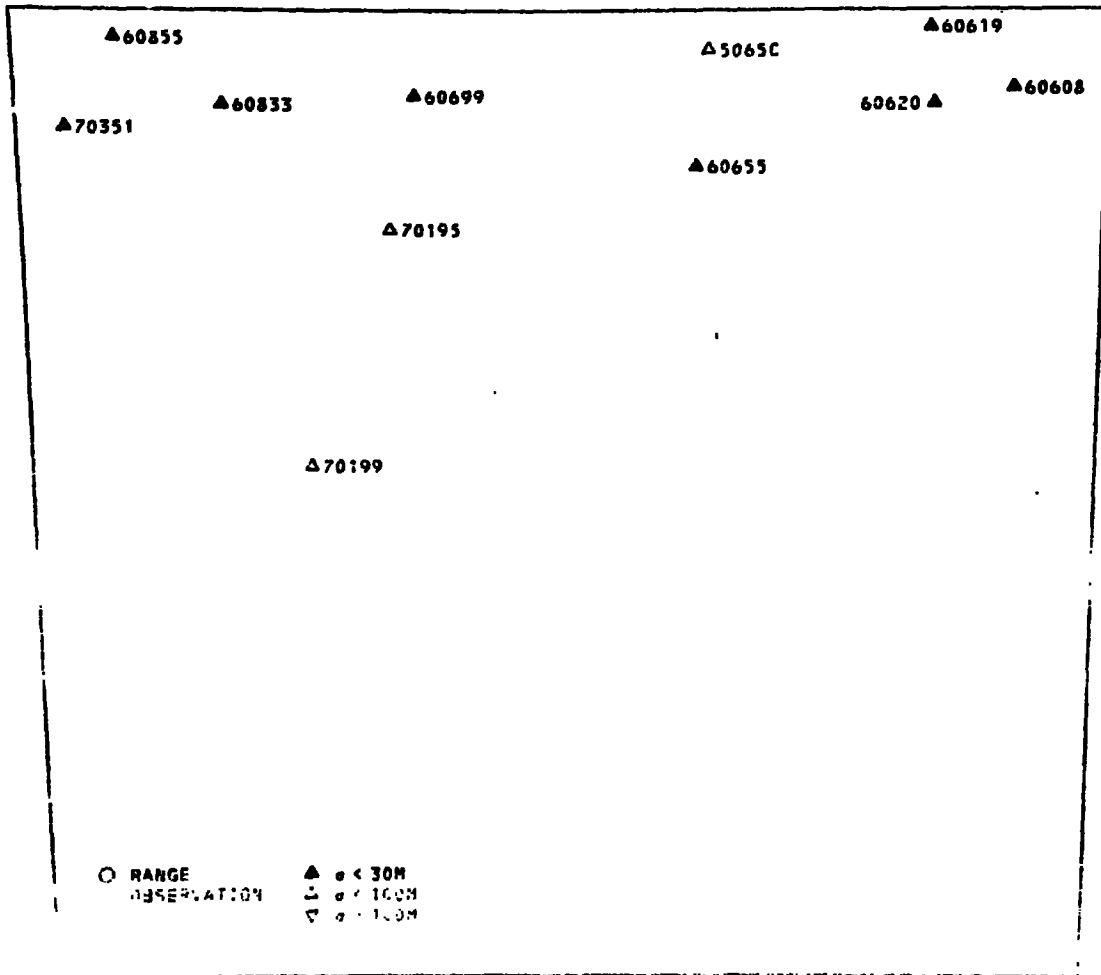
TERRAIN POINTS ON MAP SHEET 1018 (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	GEOMETRICAL POSITION	STD DEV
31475	X = -1041083 Y = 1289235 Z = -525425	20 22 13	LAT. = -17 35 33.1 LONG. = 128 55 17.6 RAD. = 1738405.3	1.6 2.3 23.3
482	X = -1035661 Y = 1291358 Z = -529701	18 17 14	LAT. = -17 44 39.3 LONG. = 128 43 45.9 RAD. = 1738039.9	1.6 2.4 16.0
31477	X = -1030673 Y = 1284689 Z = -549142	17 17 12	LAT. = -18 26 20.7 LONG. = 128 44 21.0 RAD. = 1736165.5	1.4 2.2 17.1
41055	X = -1010128 Y = 1252272 Z = -651817	31 40 20	LAT. = -22 3 16.2 LONG. = 128 53 27.3 RAD. = 1735917.5	3.7 2.6 38.7
60616	X = -1004292 Y = 1243283 Z = -678224	19 19 13	LAT. = -22 59 39.6 LONG. = 128 55 49.4 RAD. = 1736186.5	1.6 2.3 19.1
5107	X = -1057117 Y = 1262643 Z = -551049	17 17 13	LAT. = -18 30 6.2 LONG. = 128 55 15.0 RAD. = 1736499.0	1.4 1.4 17.0
588	X = -1046459 Y = 1256474 Z = -582988	18 17 15	LAT. = -19 37 21.4 LONG. = 129 47 21.7 RAD. = 1735995.3	1.7 2.4 16.0
80848	X = -1041051 Y = 1258153 Z = -589181	17 16 13	LAT. = -19 50 20.8 LONG. = 129 36 21.1 RAD. = 1736050.6	1.4 2.2 16.8
1030	X = -1029538 Y = 1257295 Z = -622674	17 17 15	LAT. = -21 1 13.9 LONG. = 129 6 40.5 RAD. = 1735908.6	1.4 2.4 15.9
50601	X = -1040897 Y = 1240882 Z = -624416	18 18 14	LAT. = -21 4 58.6 LONG. = 129 59 28.2 RAD. = 1735242.8	1.4 2.3 18.7
41055	X = -1024970 Y = 1251232 Z = -650089	17 17 13	LAT. = -21 16 54.5 LONG. = 129 19 19.4 RAD. = 1735891.6	1.7 2.1 16.8

TERRAIN POINTS ON MAP SHEET 101B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
60614	X = -1013631	18	LAT. = -22 2 55.2	1.5
	Y = 1249498	18	LONG. = 129 3 .1	2.3
	Z = -651645	14	RAD. = 1735896.4	19.1
60605	X = -1017085	19	LAT. = -22 53 44.6	1.6
	Y = 1234653	19	LONG. = 129 28 51.9	2.4
	Z = -675571	14	RAD. = 1736441.1	20.6
60607	X = -1007069	20	LAT. = -23 49 7.5	1.7
	Y = 1233191	19	LONG. = 129 14 10.8	2.4
	Z = -702846	13	RAD. = 1740385.4	20.1

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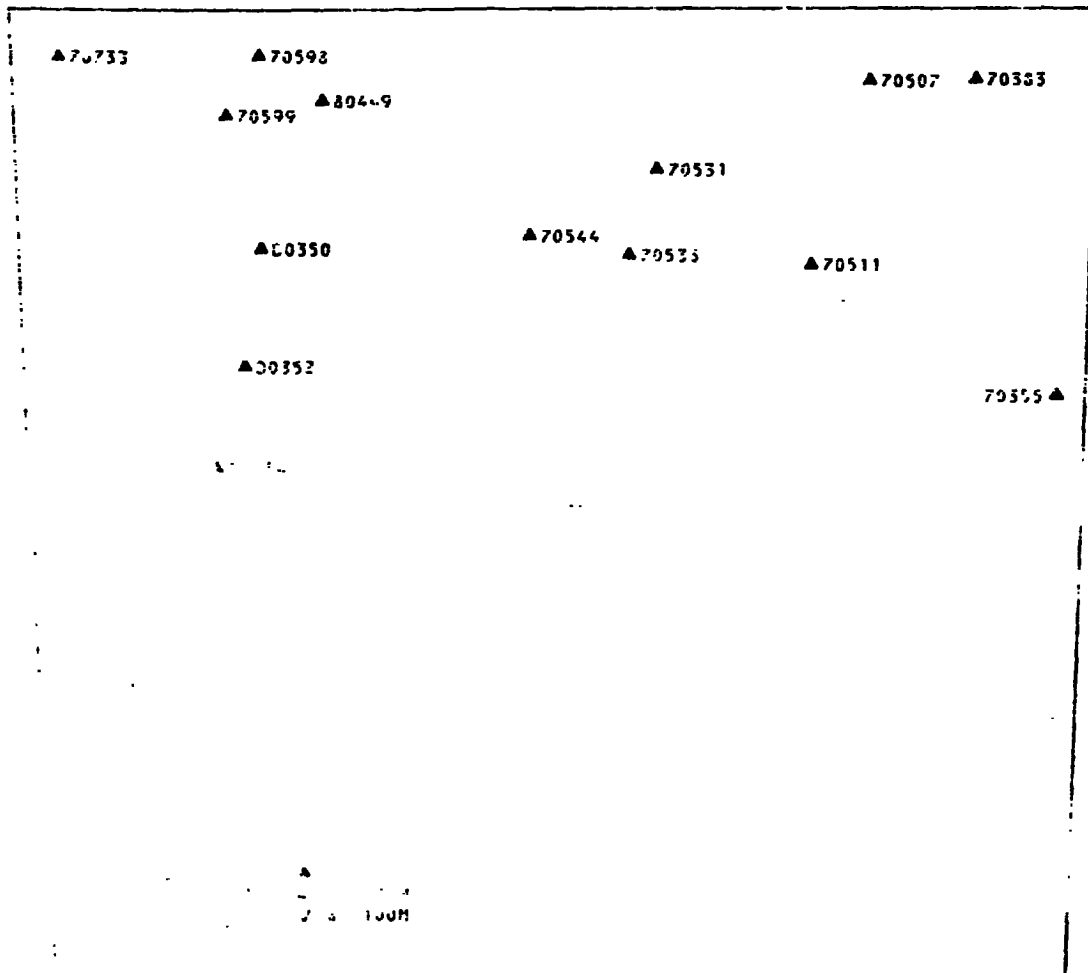


MAP SHEET 101C

TERRAIN DATA MAP SHEET 1000

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
60855	X = -814254	16	LAT. = -24 13 23.0	1.6
	Y = 1359197	17	LONG. = 120 55 28.4	2.1
	Z = -712838	13	RAD. = 1737401.4	17.2
70351	X = -797054	19	LAT. = -24 57 31.0	1.8
	Y = 1356552	21	LONG. = 120 26 12.3	2.3
	Z = -732296	17	RAD. = 1735450.1	23.0
60833	X = -832581	19	LAT. = -24 46 13.5	1.8
	Y = 1338427	20	LONG. = 121 53 2.7	2.2
	Z = -727345	14	RAD. = 1735975.1	21.0
70199	X = -829135	26	LAT. = -27 46 15.7	3.6
	Y = 1295282	40	LONG. = 122 37 26.8	2.6
	Z = -809863	19	RAD. = 1738130.5	36.6
60699	X = -874880	17	LAT. = -24 42 26.5	1.7
	Y = 1314656	19	LONG. = 123 38 35.0	2.2
	Z = -726577	14	RAD. = 1738289.0	18.3
50650	X = -861831	20	LAT. = -25 48 47.3	2.1
	Y = 1275290	26	LONG. = 126 22 3.7	3.1
	Z = -716201	17	RAD. = 1738172.9	34.9
60655	X = -930091	18	LAT. = -25 17 52.0	2.0
	Y = 1268450	26	LONG. = 126 15 2.6	2.6
	Z = -743435	15	RAD. = 1739750.1	23.0
60620	X = -981069	20	LAT. = -24 46 42.3	2.0
	Y = 1236410	21	LONG. = 128 25 52.9	2.4
	Z = -728551	14	RAD. = 1738409.3	20.7
60608	X = -998240	21	LAT. = -24 00 52.1	2.0
	Y = 1225955	22	LONG. = 129 09 15.9	2.5
	Z = -725417	15	RAD. = 1739446.8	22.6

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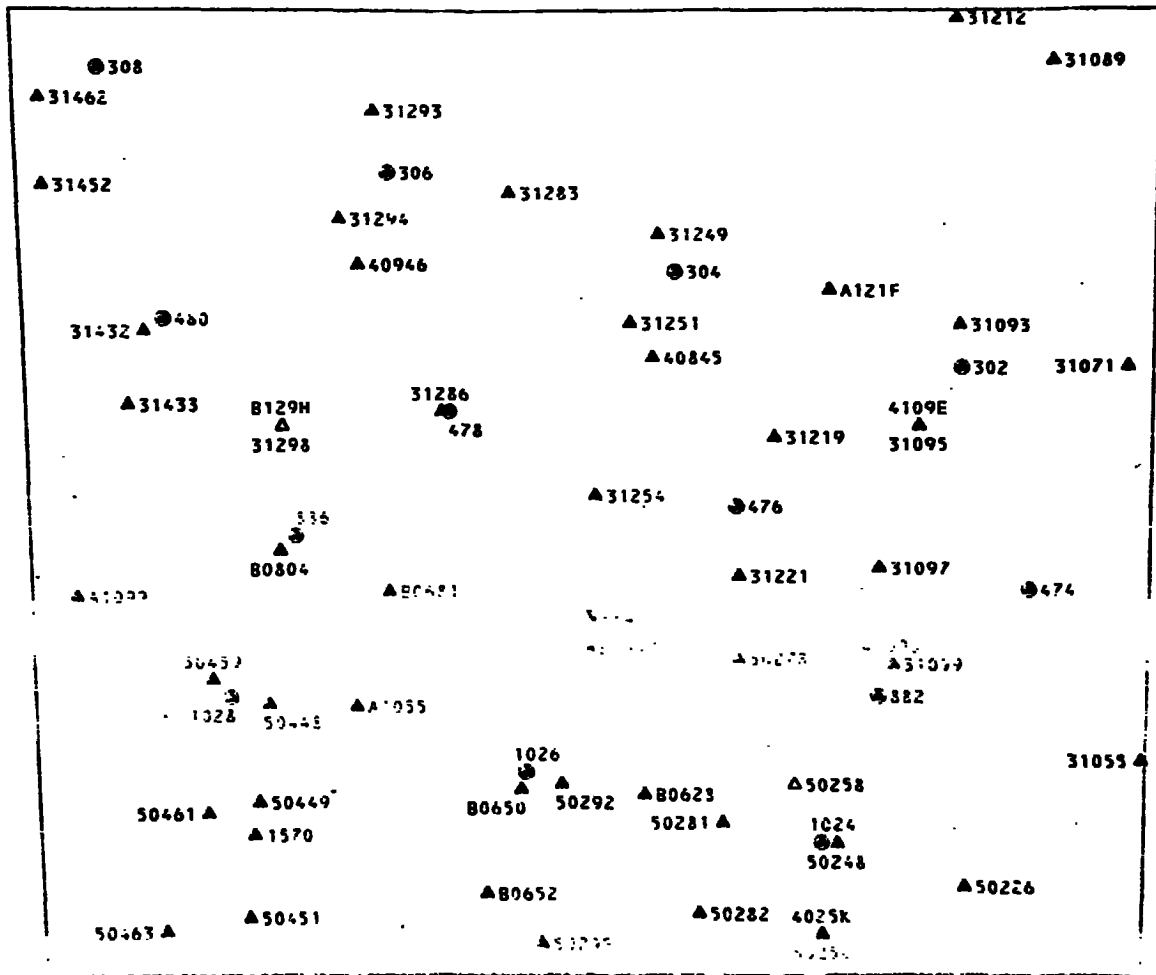
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TERRAIN POINTS ON MAP SHEET 1017

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
70733	X = -552057 Y = 1482020 Z = -716925	14 17 14	LAT. = -24 23 8.2 LONG. = 110 25 49.5 RAD. = 1736418.3	1.6 1.8 17.6
70599	X = -569484 Y = 1461967 Z = -730989	15 18 14	LAT. = -24 52 42.3 LONG. = 111 57 35.7 RAD. = 1737579.5	1.7 1.9 17.8
00354	X = -570215 Y = 1426937 Z = -810138	16 24 15	LAT. = -27 47 55.1 LONG. = 111 46 55.2 RAD. = 1737129.2	2.2 2.0 22.3
70598	X = -599887 Y = 1464146 Z = -717235	15 18 14	LAT. = -24 23 4.2 LONG. = 112 16 47.3 RAD. = 1737243.4	1.7 1.9 17.8
80449	X = -613259 Y = 1454591 Z = -727933	17 22 19	LAT. = -24 45 21.2 LONG. = 112 51 37.4 RAD. = 1738334.9	1.9 2.2 24.6
	X = -591802 Y = 1447000 Z = -717000	15 21 15	LAT. = -25 58 52.0 LONG. = 112 10 35.0 RAD. = 1737000.0	1.7 2.0 17.6
00352	X = -582220 Y = 1435769 Z = -787911	15 23 15	LAT. = -26 57 20.3 LONG. = 112 4 23.1 RAD. = 1738165.1	2.0 2.0 21.8
70544	X = -654743 Y = 1418461 Z = -757811	20 24 15	LAT. = -25 52 35.4 LONG. = 114 46 38.7 RAD. = 1736375.1	2.3 2.2 22.7
00351	X = -687444 Y = 1411039 Z = -743104	21 25 15	LAT. = -25 19 45.2 LONG. = 113 57 52.3 RAD. = 1737070.0	1.7 2.2 21.5
70533	X = -677363 Y = 1406805 Z = -762713	22 26 15	LAT. = -26 2 5.3 LONG. = 115 42 37.3 RAD. = 1737714.4	2.2 2.3 27.6
00355	X = -652187 Y = 1336367 Z = -317520	22 50 19	LAT. = -28 5 2.3 LONG. = 115 11 37.1 RAD. = 1736577.9	3.8 2.8 42.8
70507	X = -619900 Y = 1395615 Z = -723000	15 15 15	LAT. = -26 55 35.0 LONG. = 112 17 17.0 RAD. = 1737717.0	2.0 2.0 22.9

TERRAIN POINTS ON MAP SHEET 1010 (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
70511	X = -718124	18	LAT. = -26 6 56.7	1.9
	Y = 1384628	21	LONG. = 117 24 47.0	2.2
	Z = -764657	15	RAD. = 1737123.4	21.3
70383	X = -763446	18	LAT. = -24 34 56.6	1.8
	Y = 1382664	23	LONG. = 118 54 20.0	2.3
	Z = -722534	17	RAD. = 1736854.7	25.0
70355	X = -766803	22	LAT. = -27 12 4.3	2.4
	Y = 1342246	22	LONG. = 119 44 19.0	2.4
	Z = -794493	16	RAD. = 1738054.1	22.6



31212
31089
31293
31283
31249
31251
40845
31219
31221
31097
31093
31071
31095
4109E
476
474
31079
382
31055
50258
50248
50226
50282
4025K
50254
50451
50461
50463
50449
1570
50448
1026
80650
50292
80623
50281
80652
50275

TERRAIN POINTS ON MAP SHEET 102A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
308	X = -1088904 Y = 1264333 Z = -493390	19 18 15	LAT. = -16 28 20.6 LONG. = 130 44 11.8 RAD. = 1740024.2	1.8 2.5 16.9
3146Z	X = -1076073 Y = 1272353 Z = -500682	17 18 14	LAT. = -16 43 24.5 LONG. = 130 13 20.5 RAD. = 1739971.0	1.4 2.2 18.3
3145Z	X = -1071986 Y = 1267565 Z = -521529	17 17 13	LAT. = -17 26 25.9 LONG. = 130 13 17.0 RAD. = 1740076.8	1.4 2.2 17.5
3143Z	X = -1073480 Y = 1239052 Z = -572715	18 18 14	LAT. = -19 15 23.9 LONG. = 130 54 17.1 RAD. = 1736551.3	1.5 2.3 19.6
A1099	X = -1051224 Y = 1235450 Z = -617886	24 22 15	LAT. = -20 51 7.1 LONG. = 130 23 38.1 RAD. = 1735855.1	2.2 2.5 24.2
	X = -1086252 Y = 1239052 Z = -552309	19 17 15	LAT. = -18 32 39.9 LONG. = 131 11 49.2 RAD. = 1735178.0	1.7 2.3 18.7
3143Z	Y = -1081541 Y = 1241393 Z = -555519	18 18 13	LAT. = -18 38 40.7 LONG. = 131 3 48.3 RAD. = 1737638.3	1.4 2.3 18.3
50459	X = -1073201 Y = 1209041 Z = -638302	18 18 13	LAT. = -21 32 44.3 LONG. = 131 35 37.5 RAD. = 1738094.1	1.4 2.3 18.8
	X = -1075166 Y = 118807 Z = -643071	19 17 16	LAT. = -21 41 29.8 LONG. = 131 15 11.1 RAD. = 1734472.0	1.8 2.6 16.5
50449	X = -1074440 Y = 1193863 Z = -667514	18 18 13	LAT. = -22 34 3.6 LONG. = 131 59 10.4 RAD. = 1739340.6	1.4 2.3 18.1
50451	X = -1064096 Y = 1201961 Z = -670200	18 19 13	LAT. = -22 39 36.2 LONG. = 131 31 6.5 RAD. = 1739591.5	1.5 2.3 18.8
	X = -1071511 Y = 1190799 Z = -675511	19 19 16	LAT. = -22 50 22.8 LONG. = 131 16 4.6 RAD. = 1739793.6	1.7 2.5 22.4

TERRAIN POINTS ON MAP SHEET 102A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
50451	X = -1064284 Y = 1187214 Z = -694167	20 19 14	LAT. = -23 31 37.2 LONG. = 131 52 29.3 RAD. = 1738977.7	1.6 2.4 20.7
50463	X = -1047666 Y = 1200871 Z = -697783	20 20 13	LAT. = -23 38 47.0 LONG. = 131 6 7.8 RAD. = 1739711.2	1.7 2.4 20.7
31294	X = -1125441 Y = 1214772 Z = -529096	23 21 15	LAT. = -17 43 8.2 LONG. = 132 48 50.3 RAD. = 1738456.4	1.7 2.5 23.9
40946	X = -1127149 Y = 1209883 Z = -540448	20 21 21	LAT. = -18 5 57.7 LONG. = 132 58 21.1 RAD. = 1739645.5	2.1 2.5 23.4
B129H	X = -1103889 Y = 1214425 Z = -579007	27 22 36	LAT. = -19 25 59.0 LONG. = 132 16 12.9 RAD. = 1740301.3	3.3 2.7 36.0
50452	X = -1103961 Y = 1214425 Z = -579007	44 23 16	LAT. = -19 26 33.9 LONG. = 132 16 12.9 RAD. = 1740301.3	2.6 3.0 36.0
386	X = -1100033 Y = 1205879 Z = -605373	19 17 15	LAT. = -20 20 56.4 LONG. = 132 22 19.1 RAD. = 1740891.7	1.6 2.5 16.9
B0804	X = -1095986 Y = 1207397 Z = -608903	17 17 13	LAT. = -20 28 34.6 LONG. = 132 13 51.0 RAD. = 1740619.1	1.4 2.3 7.4
50453	X = -1063650 Y = 1187214 Z = -694167	18 17 15	LAT. = -21 45 3.0 LONG. = 131 52 29.3 RAD. = 1738977.7	1.7 2.4 20.7
A1055	X = -1099712 Y = 1183940 Z = -645417	25 22 15	LAT. = -21 46 22.0 LONG. = 132 53 15.8 RAD. = 1740012.2	2.2 2.6 23.8
31295	X = -1137315 Y = 1214421 Z = -503203	22 20 19	LAT. = -16 49 38.4 LONG. = 133 7 19.6 RAD. = 1738251.3	1.8 2.4 24.6
306	X = -1103889 Y = 1214425 Z = -579007	27 22 36	LAT. = -19 25 59.0 LONG. = 132 16 12.9 RAD. = 1740301.3	3.3 2.7 36.0

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TERRAIN POINTS ON MAP SHEET 102A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31286	X = -1133676 Y = 1186559 Z = -575479	18 18 14	LAT. = -19 19 27.4 LONG. = 133 41 39.7 RAD. = 1739057.4	1.4 2.4 18.8
478	X = -1134804 Y = 1185012 Z = -575371	19 18 15	LAT. = -19 19 28.6 LONG. = 133 45 36.5 RAD. = 1738702.2	1.7 2.5 17.3
B0681	X = -1113601 Y = 1185896 Z = -618497	20 20 22	LAT. = -20 48 59.4 LONG. = 133 11 57.3 RAD. = 1740400.9	2.0 2.5 25.6
31283	X = -1160099 Y = 1188241 Z = -523987	22 20 18	LAT. = -17 30 43.8 LONG. = 134 18 48.3 RAD. = 1741352.1	1.7 2.4 24.8
884	X = -1148753 Y = 1149544 Z = -625096	19 18 15	LAT. = -21 2 19.6 LONG. = 134 58 49.0 RAD. = 1741215.2	1.6 2.6 17.2
	X = -1144722 Y = 1149012 Z = -621322	18 18 15	LAT. = -21 17 16.7 LONG. = 134 53 43.9 RAD. = 1740507.1	1.4 2.1 17.7
1026	X = -1124782 Y = 1148061 Z = -659844	19 18 15	LAT. = -22 19 13.8 LONG. = 134 24 47.5 RAD. = 1737403.7	1.7 2.6 16.9
50292	X = -1130842 Y = 1141311 Z = -662924	19 19 13	LAT. = -22 25 16.9 LONG. = 134 44 9.7 RAD. = 1738062.7	1.4 2.4 19.3
	X = -1122695 Y = 1140712 Z = -659927	22 21 14	LAT. = -22 27 54.2 LONG. = 134 31 11.4 RAD. = 1737420.0	1.7 2.6 25.4
B0652	X = -1109990 Y = 1147813 Z = -688445	20 19 13	LAT. = -23 19 25.4 LONG. = 134 2 24.9 RAD. = 1738823.8	1.6 2.5 19.6
50293	X = -1117117 Y = 1135339 Z = -700510	22 21 14	LAT. = -23 44 24.2 LONG. = 134 32 11.5 RAD. = 1740017.0	1.7 2.5 23.3
	X = -1137022 Y = 1142371 Z = -632355	20 19 16	LAT. = -22 5 36.1 LONG. = 133 51 32.4 RAD. = 1737455.0	1.0 2.4 21.0

TERRAIN POINTS ON MAP SHEET 102A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
304	X = -1182589 Y = 1151102 Z = -541667	20 18 15	LAT. = -18 10 15.0 LONG. = 135 46 22.8 RAD. = 1736938.2	1.7 2.6 17.4
31251	X = -1172661 Y = 1157522 Z = -554338	23 21 15	LAT. = -18 35 39.5 LONG. = 135 22 20.1 RAD. = 1738471.1	1.7 2.6 23.9
40845	X = -1175328 Y = 1151982 Z = -562813	20 21 21	LAT. = -18 52 47.1 LONG. = 135 34 29.0 RAD. = 1739315.4	2.1 2.6 23.7
31254	X = -1156650 Y = 1154240 Z = -595530	20 18 13	LAT. = -20 1 27.5 LONG. = 135 3 35.2 RAD. = 1739185.0	1.4 2.4 19.2
B0628	X = -1145597 Y = 1126303 Z = -665659	21 19 14	LAT. = -22 30 23.2 LONG. = 135 29 11.7 RAD. = 1738980.3	1.6 2.5 20.6
31212	X = -1146085 Y = 1125200 Z = -692176	22 19 14	LAT. = -23 29 25.3 LONG. = 135 27 35.1 RAD. = 1739380.0	1.7 2.7 21.2
31219	X = -1192187 Y = 1125200 Z = -581890	19 19 14	LAT. = -19 32 33.7 LONG. = 136 39 20.7 RAD. = 1739534.5	1.4 2.4 19.8
476	X = -1180416 Y = 1127315 Z = -597784	20 18 15	LAT. = -20 6 52.1 LONG. = 136 19 5.4 RAD. = 1738265.5	1.7 2.6 18.0
	X = -1170181 Y = 1127315 Z = -597784	20 18 15	LAT. = -20 6 52.1 LONG. = 136 19 5.4 RAD. = 1738265.5	1.7 2.6 18.0
50278	X = -1170600 Y = 1117358 Z = -633518	20 19 15	LAT. = -21 22 45.4 LONG. = 136 19 59.1 RAD. = 1737854.4	1.5 2.5 21.2
50255	X = -1173614 Y = 1100210 Z = -663370	24 30 21	LAT. = -22 25 33.3 LONG. = 136 50 56.3 RAD. = 1740232.0	1.8 3.0 35.6
	X = -1170181 Y = 1127315 Z = -597784	20 18 15	LAT. = -20 6 52.1 LONG. = 136 19 5.4 RAD. = 1738265.5	1.7 2.6 18.0

TERRAIN POINTS ON MAP SHEET 102A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A121F	X = -1210257 Y = 1122952 Z = -546825	21 22 20	LAT. = -18 19 31.7 LONG. = 137 8 34.5 RAD. = 1739183.6	2.0 2.6 24.1
4109E	X = -1219337 Y = 1100050 Z = -579812	21 21 21	LAT. = -19 26 46.9 LONG. = 137 56 39.0 RAD. = 1741572.5	2.1 2.6 23.7
31095	X = -1219317 Y = 1100105 Z = -579872	21 19 14	LAT. = -19 26 52.8 LONG. = 137 56 32.2 RAD. = 1741613.6	1.5 2.5 21.3
31097	X = -1201775 Y = 1097409 Z = -612606	18 18 13	LAT. = -20 37 38.8 LONG. = 137 35 56.5 RAD. = 1738924.2	1.4 2.4 18.1
4109J	X = -1198589 Y = 1089704 Z = -635680	22 21 16	LAT. = -21 25 33.7 LONG. = 137 43 27.4 RAD. = 1740160.7	1.7 2.7 23.8
31093	X = -1198528 Y = 1089691 Z = -635682	18 18 13	LAT. = -21 25 36.3 LONG. = 137 43 23.4 RAD. = 1740111.9	1.4 2.5 18.1
332	X = -1193747 Y = 1090093 Z = -643056	20 18 15	LAT. = -21 41 31.4 LONG. = 137 55 55.0 RAD. = 1739785.8	1.7 2.7 17.8
1024	X = -1172967 Y = 1090184 Z = -676585	20 20 16	LAT. = -22 54 15.8 LONG. = 137 5 41.6 RAD. = 1738424.9	1.8 2.8 18.8
50247	X = -1175745 Y = 1087401 Z = -676959	19 19 13	LAT. = -22 54 49.9 LONG. = 137 14 7.7 RAD. = 1738704.1	1.5 2.5 19.7
4025K	X = -1166541 Y = 1083816 Z = -697771	25 22 15	LAT. = -23 39 48.9 LONG. = 137 6 19.0 RAD. = 1738493.3	2.1 2.7 24.2
50250	X = -1166521 Y = 1083701 Z = -697781	22 34 16	LAT. = -23 39 54.4 LONG. = 137 6 28.3 RAD. = 1738412.2	1.8 3.1 32.5
31212	X = -1147886 Y = 1114268 Z = -471611	17 18 13	LAT. = 15 3 42.0 LONG. = 138 13 54.7 RAD. = 1740729.1	1.5 2.4 18.0

TERRAIN POINTS ON MAP SHEET 102A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31093	X = -1231408 Y = 1097560 Z = -555485	20 20 16	LAT. = -18 36 39.4 LONG. = 138 17 21.2 RAD. = 1740565.2	1.6 2.5 21.5
302	X = -1229617 Y = 1094913 Z = -565681	20 18 15	LAT. = -18 57 41.4 LONG. = 138 18 59.4 RAD. = 1740915.9	1.7 2.6 17.8
474	X = -1225949 Y = 1068148 Z = -617836	20 19 15	LAT. = -20 48 19.4 LONG. = 138 56 5.8 RAD. = 1739428.4	1.7 2.7 18.3
50226	X = -1195396 Y = 1061707 Z = -687597	22 21 14	LAT. = -23 16 15.5 LONG. = 138 23 22.9 RAD. = 1740397.0	1.8 2.7 22.3
31089	X = -1260834 Y = 1092856 Z = -491727	21 22 23	LAT. = -16 25 13.7 LONG. = 139 4 55.8 RAD. = 1739491.7	2.3 2.7 24.4
31077	X = -1256443 Y = 1063777 Z = -565016	20 20 17	LAT. = -18 57 2.7 LONG. = 138 17 43.1 RAD. = 1739321.0	1.6 2.5 20.0
31055	X = -1233261 Y = 1036092 Z = -658067	20 19 13	LAT. = -22 13 21.7 LONG. = 139 57 56.0 RAD. = 1739962.8	1.5 2.6 20.0

TERRAIN POINTS ON MAP SHEET 1022

POINT NO.	CARTESIAN POSITION	STD DE	SPHERICAL POSITION	STD DEV
V1254	X = -1295627 Y = 1050505 Z = -487507	25 21 15	LAT. = -16 17 31.5 LONG. = 140 57 52.6 RAD. = 1737779.1	1.9 2.6 23.8
31067	X = -1282793 Y = 1057455 Z = -504578	20 18 14	LAT. = -16 53 1.4 LONG. = 140 29 59.8 RAD. = 1737344.9	1.6 2.5 18.6
31049	X = -1272699 Y = 1033590 Z = -580719	21 21 16	LAT. = -19 30 14.5 LONG. = 140 55 8.8 RAD. = 1739340.3	1.6 2.6 22.6
300	X = -1271295 Y = 1034256 Z = -587864	20 19 15	LAT. = -19 43 58.8 LONG. = 140 52 12.4 RAD. = 1741108.9	1.7 2.7 18.5
31051	X = -1264463 Y = 1035797 Z = -595630	20 19 15	LAT. = -20 1 18.4 LONG. = 140 40 37.4 RAD. = 1739688.7	1.5 2.5 20.0
31034	X = -1246123 Y = 1037133 Z = -637127	25 23 17	LAT. = -21 27 17.4 LONG. = 140 13 56.6 RAD. = 1741097.0	1.9 2.7 24.5
880	X = -1238319 Y = 1029111 Z = -660355	20 19 15	LAT. = -22 17 59.4 LONG. = 140 16 17.6 RAD. = 1740279.6	1.7 2.8 18.6
31045	X = -1297946 Y = 1032724 Z = -521302	22 22 22	LAT. = -17 26 50.6 LONG. = 141 29 31.6 RAD. = 1738660.2	2.2 2.7 25.1
31027	X = -1290457 Y = 1012213 Z = -535382	21 20 17	LAT. = -19 39 29.4 LONG. = 141 53 23.3 RAD. = 1741532.3	1.6 2.6 23.1
472	X = -1267914 Y = 1005857 Z = -636031	21 20 16	LAT. = -21 27 15.6 LONG. = 141 34 28.1 RAD. = 1738933.7	1.7 2.8 19.4
31031	X = -1262853 Y = 1011797 Z = -636288	21 20 14	LAT. = -21 27 54.9 LONG. = 141 17 54.2 RAD. = 1738791.6	1.5 2.6 21.7
31040	X = -1235300 Y = 973580 Z = -652741	21 20 14	LAT. = -22 3 31.1 LONG. = 142 48 57.1 RAD. = 1738042.7	1.4 2.7 23.4

TRAIN PRINTS ON MAP SHEET 1039 (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
40494	X = -1276381 Y = 966471 Z = -671556	24 23 17	LAT. = -22 45 21.8 LONG. = 142 52 1.7 RAD. = 1736145.9	1.8 2.9 26.5
878	X = -1276877 Y = 963689 Z = -674303	21 20 16	LAT. = -22 51 21.7 LONG. = 142 57 26.3 RAD. = 1736028.7	1.8 2.9 19.7
31011	X = -1271777 Y = 966699 Z = -680087	23 23 14	LAT. = -23 3 38.7 LONG. = 142 45 39.3 RAD. = 1736215.3	1.7 2.7 23.8
40495	X = -1265136 Y = 964548 Z = -694458	24 22 15	LAT. = -23 34 56.4 LONG. = 142 40 40.3 RAD. = 1735855.7	1.7 2.8 24.5
41211	X = -1334816 Y = 988548 Z = -524487	26 21 16	LAT. = -17 31 27.1 LONG. = 143 28 36.5 RAD. = 1741851.8	2.1 2.7 23.9
	X = -1318391 Y = 971131 Z = -595607	22 20 17	LAT. = -19 55 36.5 LONG. = 143 21 31.1 RAD. = 1741711.1	1.7 2.1 26.1
40430	X = -1308604 Y = 973801 Z = -606300	22 23 23	LAT. = -20 23 23.5 LONG. = 143 20 42.5 RAD. = 1740210.5	2.3 2.9 25.9
278	X = -1309267 Y = 971032 Z = -609568	21 20 16	LAT. = -20 30 12.3 LONG. = 143 26 13.6 RAD. = 1740303.5	1.7 2.8 19.5
	X = -1301946 Y = 971131 Z = -609568	21 20 16	LAT. = -20 32 18.3 LONG. = 143 26 13.6 RAD. = 1740303.5	1.8 2.8 19.5
40590	X = -1336063 Y = 946862 Z = -596728	23 24 22	LAT. = -20 1 18.2 LONG. = 144 40 29.9 RAD. = 1742898.9	2.2 3.0 25.7
	X = -1308521 Y = 942974 Z = -654512	22 21 17	LAT. = -22 5 13.7 LONG. = 144 13 16.8 RAD. = 1740647.2	1.7 2.7 20.3
	X = -1301946 Y = 971131 Z = -609568	21 20 16	LAT. = -20 32 18.3 LONG. = 143 26 13.6 RAD. = 1740303.5	1.8 2.8 19.5

TERRAIN POINTS ON MAP SHEET 102B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V1055	X = -1368629 Y = 929060 Z = -541935	27 22 16	LAT. = -18 8 22.7 LONG. = 145 49 49.3 RAD. = 1740686.4	2.2 2.8 24.7
40445	X = -1345590 Y = 908986 Z = -622074	25 34 37	LAT. = -20 57 40.3 LONG. = 145 57 35.3 RAD. = 1738920.5	3.2 3.7 39.2
30795	X = -1337811 Y = 905831 Z = -645210	24 23 16	LAT. = -21 46 10.3 LONG. = 145 53 53.1 RAD. = 1739702.6	1.6 2.9 25.2
30797	X = -1327387 Y = 909541 Z = -670017	22 22 15	LAT. = -22 36 23.1 LONG. = 145 34 50.2 RAD. = 1743027.1	1.5 2.8 22.9
876	X = -13185.6 Y = 901754 Z = -692146	23 23 17	LAT. = -23 25 35.0 LONG. = 145 37 56.5 RAD. = 1740939.0	1.9 3.1 22.4
	X = -1313124 Y = 902119 Z = -677985	26 25 19	LAT. = -23 38 30.8 LONG. = 145 31 54.0 RAD. = 1740920.7	1.8 2.4 22.4
V1054	X = -1373899 Y = 919392 Z = -522941	26 22 15	LAT. = -17 30 44.9 LONG. = 146 18 22.7 RAD. = 1737847.0	2.0 2.7 25.0
11394	X = -1380709 Y = 904799 Z = -537872	32 24 24	LAT. = -18 2 50.2 LONG. = 146 45 45.3 RAD. = 1736180.5	2.3 3.2 33.8
	X = -1380854 Y = 904799 Z = -537872	32 24 24	LAT. = -18 2 50.2 LONG. = 146 45 45.3 RAD. = 1736180.5	2.3 3.2 33.8
100	X = -1378049 Y = 906553 Z = -542988	26 24 20	LAT. = -18 13 14.4 LONG. = 146 39 39.5 RAD. = 1736575.6	2.2 3.1 26.0
1139E	X = -1375985 Y = 907798 Z = -549971	24 25 26	LAT. = -18 27 .2 LONG. = 146 35 7.5 RAD. = 1737785.6	2.6 3.1 27.6
	X = -1376 . . . Y = 907798 Z = -549987	24 25 26	LAT. = -18 27 .2 LONG. = 146 35 7.5 RAD. = 1737785.6	2.6 3.1 27.6

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

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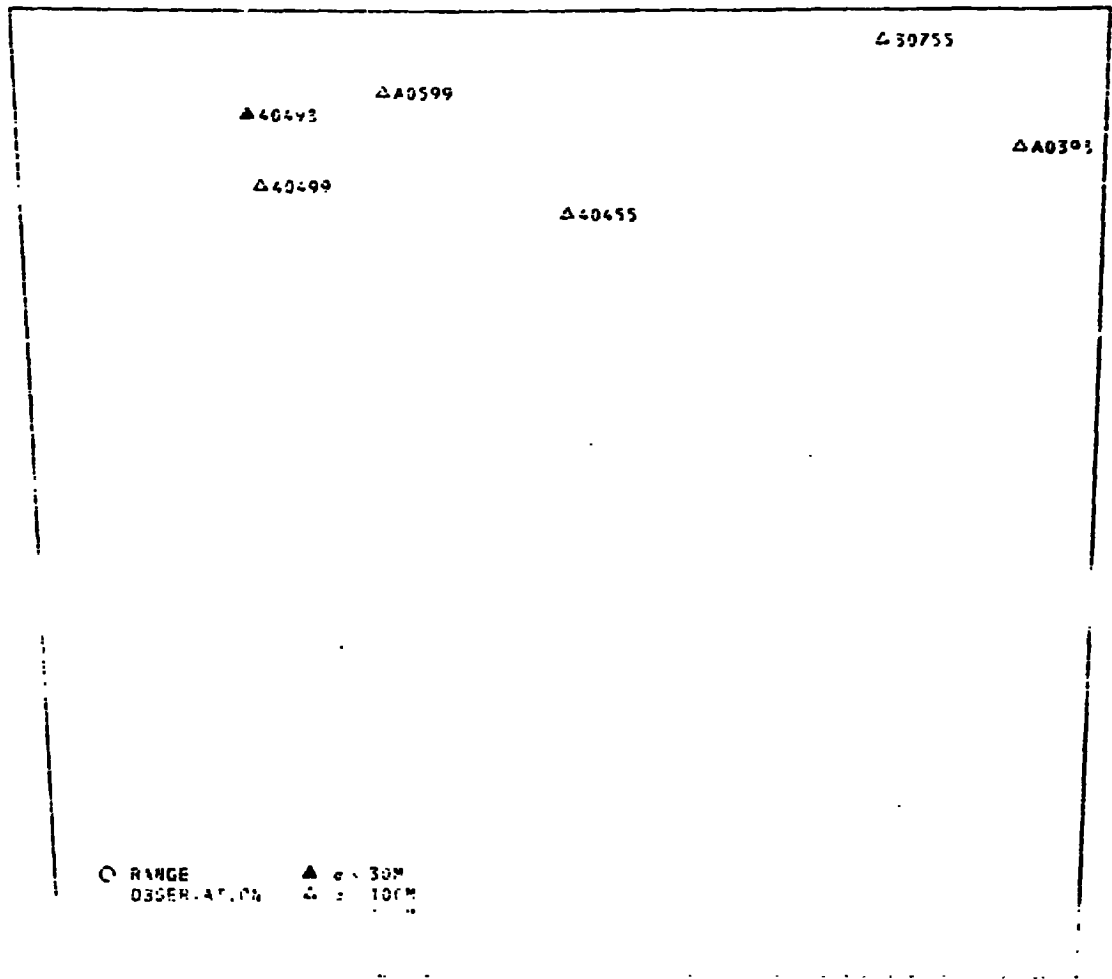
STATION	X	Y	Z	LAT.	LONG.	RAD.	STO	DEV
30789	-1376509	900934	-564390	-18 56 7.5	146 47 41.9	1739251.1	2.2	3.0
30791	-1364577	903931	-584492	-19 39 4.3	146 28 42.6	1738042.7	1.7	2.8
11328	-1365804	888573	-604518	-20 21 22.7	146 57 30.3	1737834.6	1.7	2.9
30793	-1351109	906065	-612567	-20 38 1.8	146 9 13.9	1738300.3	1.7	2.9
236	-1344871	905558	-628313	-21 10 58.1	146 2 45.5	1738818.4	1.8	3.0
30795	-1344087	888573	-604518	-22 42 34.3	146 57 30.3	1737834.6	1.9	2.8
30796	-1340133	881697	-675844	-22 50 43.4	146 39 34.1	1740763.8	1.7	2.9
30797	-1405846	892298	-498030	-16 39 6.4	147 35 47.3	1737997.0	2.2	2.8
30798	-1378634	878065	-591048	-19 12 48.9	147 30 23.6	1738093.1	1.8	2.9
30799	-1351886	876142	-651565	-22 1 15.9	147 3 10.8	1737747.4	1.7	3.0

TERRAIN POINTS IN MAP SHEET 1025 (CONTINUED)

POINT	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V1011	X = -1407594 Y = 856667 Z = -556863	27 22 16	LAT. = -18 40 20.9 LONG. = 148 40 30.6 RAD. = 1739337.1	2.2 2.8 25.1
98	X = -1406870 Y = 853711 Z = -562874	25 24 19	LAT. = -18 52 58.0 LONG. = 148 44 59.9 RAD. = 1739233.5	2.1 3.1 25.1
11351	X = -1401140 Y = 854829 Z = -573237	24 25 19	LAT. = -19 15 7.1 LONG. = 148 36 46.1 RAD. = 1738542.0	1.9 3.1 26.4
11355	X = -1380946 Y = 858739 Z = -613549	27 25 19	LAT. = -20 40 16.6 LONG. = 148 7 28.7 RAD. = 1738070.5	2.2 3.1 27.9
30749	X = -1383096 Y = 837765 Z = -636478	24 25 18	LAT. = -21 29 6.0 LONG. = 148 47 45.6 RAD. = 1737788.8	1.7 3.1 27.6
73	X = -1378321 Y = 831532 Z = -641100	27 27 27	LAT. = -21 49 .6 LONG. = 148 46 53.7 RAD. = 1737400.1	1.8 3.2 28.7
30751	X = -1369865 Y = 840756 Z = -660232	25 25 17	LAT. = -22 19 53.4 LONG. = 143 27 37.6 RAD. = 1737615.3	1.7 3.1 27.2
1706	X = -1437662 Y = 856916 Z = -480793	22 20 15	LAT. = -16 1 39.7 LONG. = 149 12 10.9 RAD. = 1741361.4	1.7 2.8 20.4
11352	X = -1429138 Y = 847590 Z = -471037	27 26 21	LAT. = -17 7 43.7 LONG. = 149 19 43.5 RAD. = 1738693.5	2.5 3.0 29.7
30745	X = -1408681 Y = 836214 Z = -580166	24 25 19	LAT. = -19 30 6.3 LONG. = 149 18 21.6 RAD. = 1737880.8	1.9 3.1 26.4
A0389	X = -1406872 Y = 813902 Z = -615158	27 37 38	LAT. = -20 43 50.4 LONG. = 149 56 59.3 RAD. = 1737856.5	3.3 4.0 41.5
11353	X = -1406872 Y = 810866 Z = -615158	27 37 38	LAT. = -20 43 50.4 LONG. = 149 56 47.0 RAD. = 1737863.1	3.3 4.0 41.5

MERIDIAN POINTS ON MAP SHEET 1028 (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A0393	X = -1382458 Y = 813418 Z = -668953	31 36 24	LAT. = -22 38 19.1 LONG. = 149 31 41.0 RAD. = 1737911.6	2.0 3.7 41.5
466	X = -1376772 Y = 809687 Z = -684695	24 25 19	LAT. = -23 12 13.9 LONG. = 149 32 24.0 RAD. = 1737786.3	2.0 3.4 24.2
50720	X = -1376997 Y = 803187 Z = -696253	32 38 20	LAT. = -23 35 38.0 LONG. = 149 44 43.6 RAD. = 1739539.6	2.2 3.9 41.1
A0395	X = -1370677 Y = 812038 Z = -699212	33 36 19	LAT. = -23 41 45.1 LONG. = 149 21 21.5 RAD. = 1739844.7	2.2 3.7 40.8

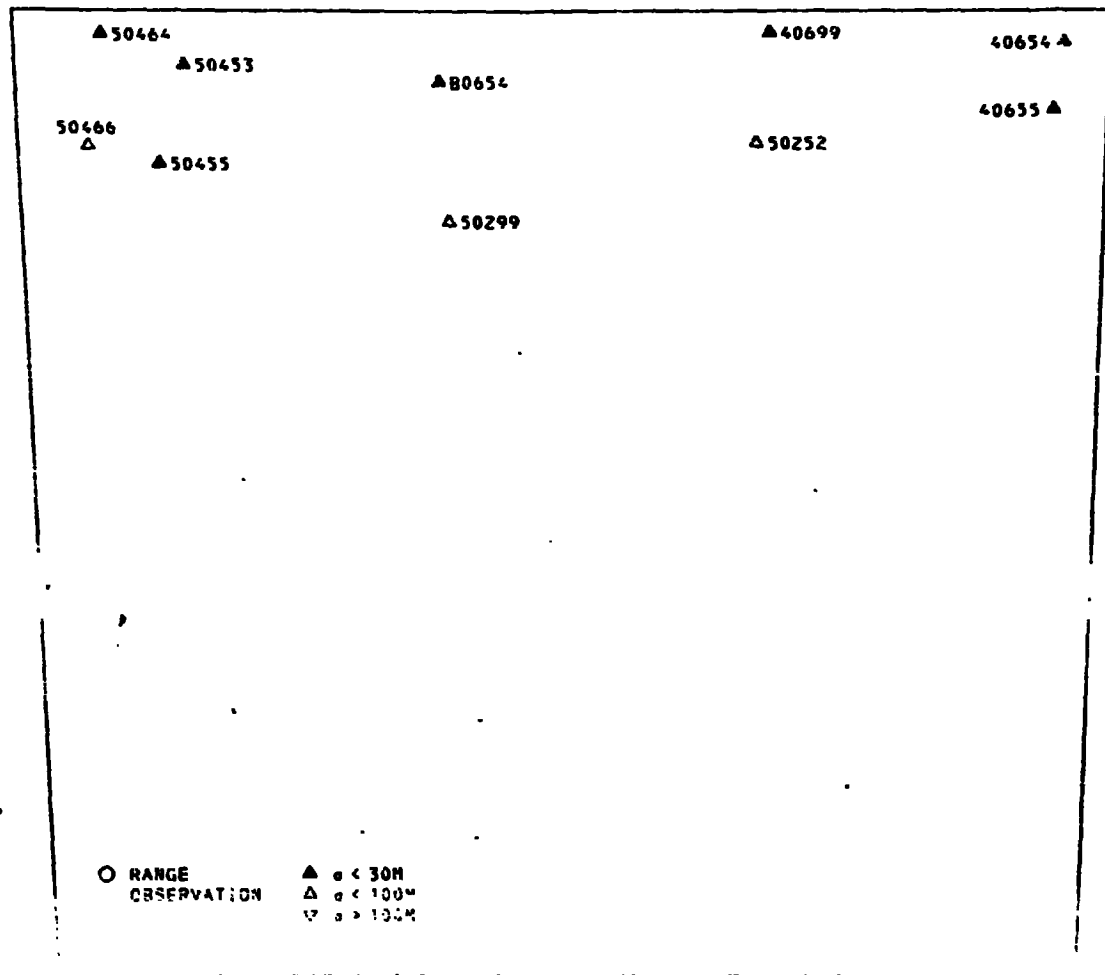


MAP SHEET 1020

1057

TERRAIN POINTS ON MAP SHEET 1020

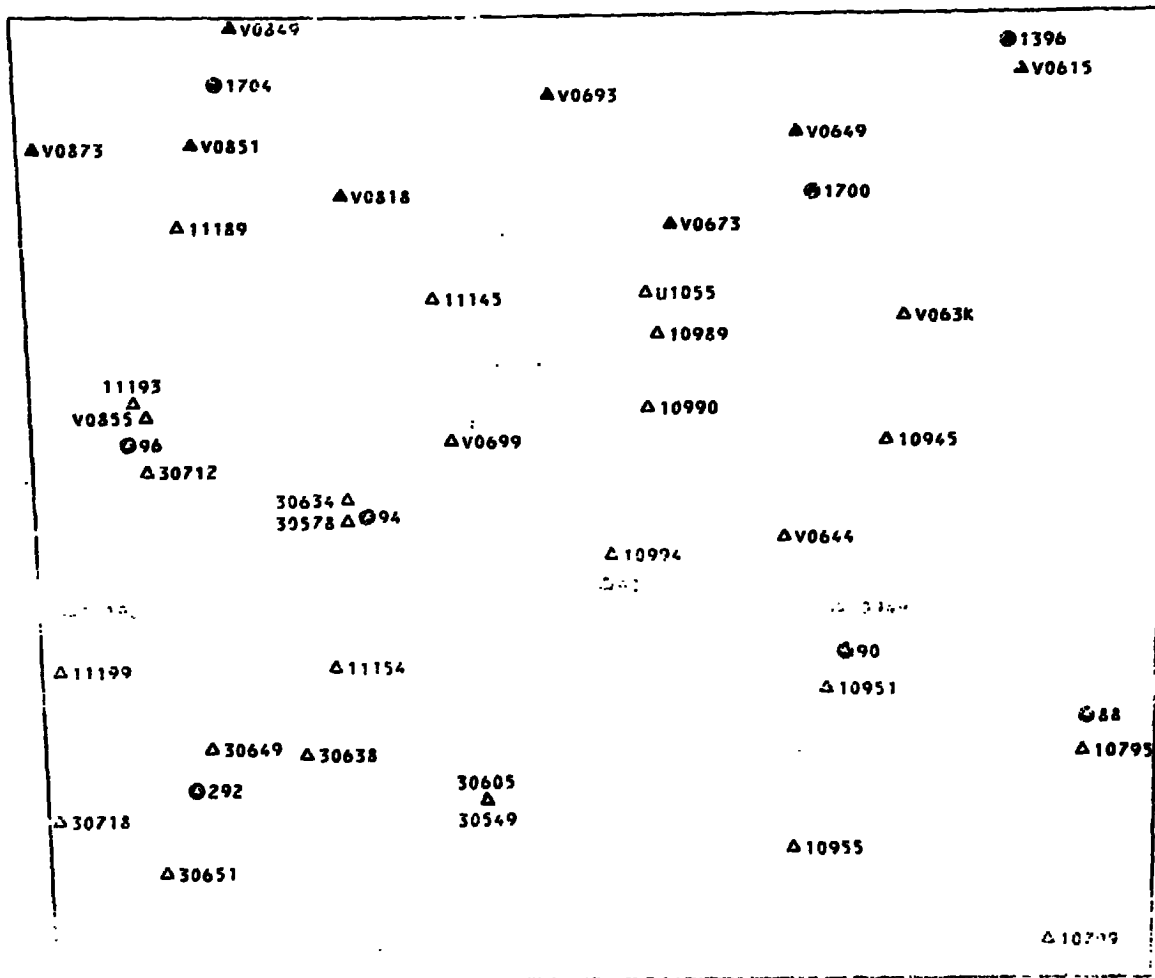
POINT NO.	CARTESIAN POSITION	STC DEV	GEODESIC POSITION	STC DEV
40498	X = -1245301 Y = 968754 Z = -731073	27 23 16	LAT. = -24 51 41.3 LONG. = 142 7 10.9 RAD. = 1738886.8	2.2 2.9 26.1
40499	X = -1241286 Y = 961796 Z = -747421	28 23 17	LAT. = -25 27 11.5 LONG. = 142 13 48.4 RAD. = 1739103.1	2.4 2.9 26.1
A0599	X = -1266479 Y = 941441 Z = -725116	29 23 17	LAT. = -24 40 43.2 LONG. = 143 22 28.6 RAD. = 1736684.2	2.4 3.0 26.9
40455	X = -1284909 Y = 897216 Z = -753895	37 37 19	LAT. = -25 41 25.1 LONG. = 145 4 28.1 RAD. = 1739065.2	3.6 3.3 39.5
30755	X = -1345145 Y = 841758 Z = -714884	30 27 19	LAT. = -24 15 8.3 LONG. = 147 57 45.7 RAD. = 1740410.7	2.6 3.4 29.5
	X = -1354557 Y = 811111 Z = -739851	33 33 17	LAT. = -25 8 8.4 LONG. = 147 57 45.7 RAD. = 1740410.7	3.3 3.4 29.5



MAP SHEET 102D

TERRAIN POINTS ON MAP SHEET 1000

POINT NO.	CARTESIAN COORDINATES	STD DEV.	SPHERICAL COORDINATES	STD DEV.
50464	X = -1037075 Y = 1201874 Z = -713225	21 20 14	LAT. = -24 11 37.6 LONG. = 130 47 25.1 RAD. = 1740320.5	1.8 2.4 20.7
50466	X = -1025778 Y = 1195274 Z = -738293	30 34 18	LAT. = -25 6 50.2 LONG. = 130 38 9.7 RAD. = 1739533.5	3.3 2.7 34.4
50453	X = -1049646 Y = 1184900 Z = -719597	21 19 14	LAT. = -24 26 46.1 LONG. = 131 32 10.3 RAD. = 1738839.6	1.8 2.5 20.8
50451	X = -1037083 Y = 1181103 Z = -741666	23 22 15	LAT. = -25 15 38.5 LONG. = 131 17 6.6 RAD. = 1737991.6	2.2 2.6 22.9
80654	X = -1095022 Y = 1138839 Z = -722399	24 22 15	LAT. = -24 35 13.9 LONG. = 133 52 34.6 RAD. = 1737414.5	2.1 2.7 23.6
50449	X = -1086310 Y = 1126354 Z = -722399	31 27 15	LAT. = -25 44 45.0 LONG. = 133 52 47.3 RAD. = 1737414.5	3.5 2.6 23.6
40644	X = -1158517 Y = 1083477 Z = -712212	26 20 16	LAT. = -24 10 48.3 LONG. = 134 59 11.2 RAD. = 1738772.3	2.2 2.8 24.2
50252	X = -1146535 Y = 1076452 Z = -736455	26 26 16	LAT. = -25 5 34.5 LONG. = 136 48 20.6 RAD. = 1736565.0	2.8 3.1 33.5
50251	X = -1200424 Y = 1070115 Z = -736455	27 26 16	LAT. = -25 15 39.2 LONG. = 134 59 11.2 RAD. = 1736565.0	3.1 3.1 33.5
40655	X = -1199257 Y = 1023904 Z = -729330	27 22 16	LAT. = -24 49 15.7 LONG. = 139 30 35.6 RAD. = 1737382.9	2.3 2.9 25.1



▲ 100M
 ○ OBSERVATION
 ▼ > 100M

MAP SHEET 105A

TERRAIN POINTS ON MAP SHEET 103A

POINT	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V0873	X = -1439219 Y = 826239 Z = -510070	25 21 14	LAT. = -17 5 7.0 LONG. = 150 8 25.3 RAD. = 1736143.0	1.8 2.8 23.8
11193	X = -1434293 Y = 797931 Z = -571133	26 27 20	LAT. = -19 11 11.7 LONG. = 150 54 42.4 RAD. = 1737838.3	2.0 3.4 28.4
96	X = -1430545 Y = 797819 Z = -580895	25 25 19	LAT. = -19 31 35.8 LONG. = 150 51 5.2 RAD. = 1737933.6	2.0 3.4 25.4
11198	X = -1409657 Y = 805193 Z = -620116	28 27 19	LAT. = -20 54 21.6 LONG. = 150 15 54.3 RAD. = 1737818.5	2.2 3.4 28.4
11199	X = -1403425 Y = 804909 Z = -634471	28 26 19	LAT. = -21 24 48.4 LONG. = 150 9 51.7 RAD. = 1737824.9	2.3 3.4 28.4
	X = -1390100 Y = 798508 Z = -619207	27 27 11	LAT. = -22 39 4.2 LONG. = 150 5 31.2 RAD. = 1737795.7	1.9 3.5 21.1
V0849	X = -1474669 Y = 787694 Z = -482135	24 21 14	LAT. = -16 5 11.9 LONG. = 151 53 38.0 RAD. = 1739990.0	1.6 2.8 23.4
1704	X = -1468551 Y = 789333 Z = -495433	23 21 15	LAT. = -16 32 59.0 LONG. = 151 44 32.5 RAD. = 1739293.8	1.7 2.8 21.1
	X = -1460089 Y = 781332 Z = -500731	25 21 14	LAT. = -17 5 11.5 LONG. = 151 29 39.3 RAD. = 1737651.1	1.7 2.8 23.7
11139	X = -1452684 Y = 793232 Z = -529359	31 27 33	LAT. = -17 44 8.3 LONG. = 151 21 48.3 RAD. = 1737737.1	3.1 3.5 36.3
V0855	X = -1434926 Y = 794512 Z = -574512	28 22 17	LAT. = -19 18 13.7 LONG. = 151 1 36.9 RAD. = 1737908.6	2.3 2.9 25.7
	X = -1434926 Y = 794512 Z = -574512	28 22 17	LAT. = -19 18 13.7 LONG. = 151 1 36.9 RAD. = 1737908.6	2.3 2.9 25.7

POINT - CARTESIAN - SPHERICAL POSITION (CONTINUED)

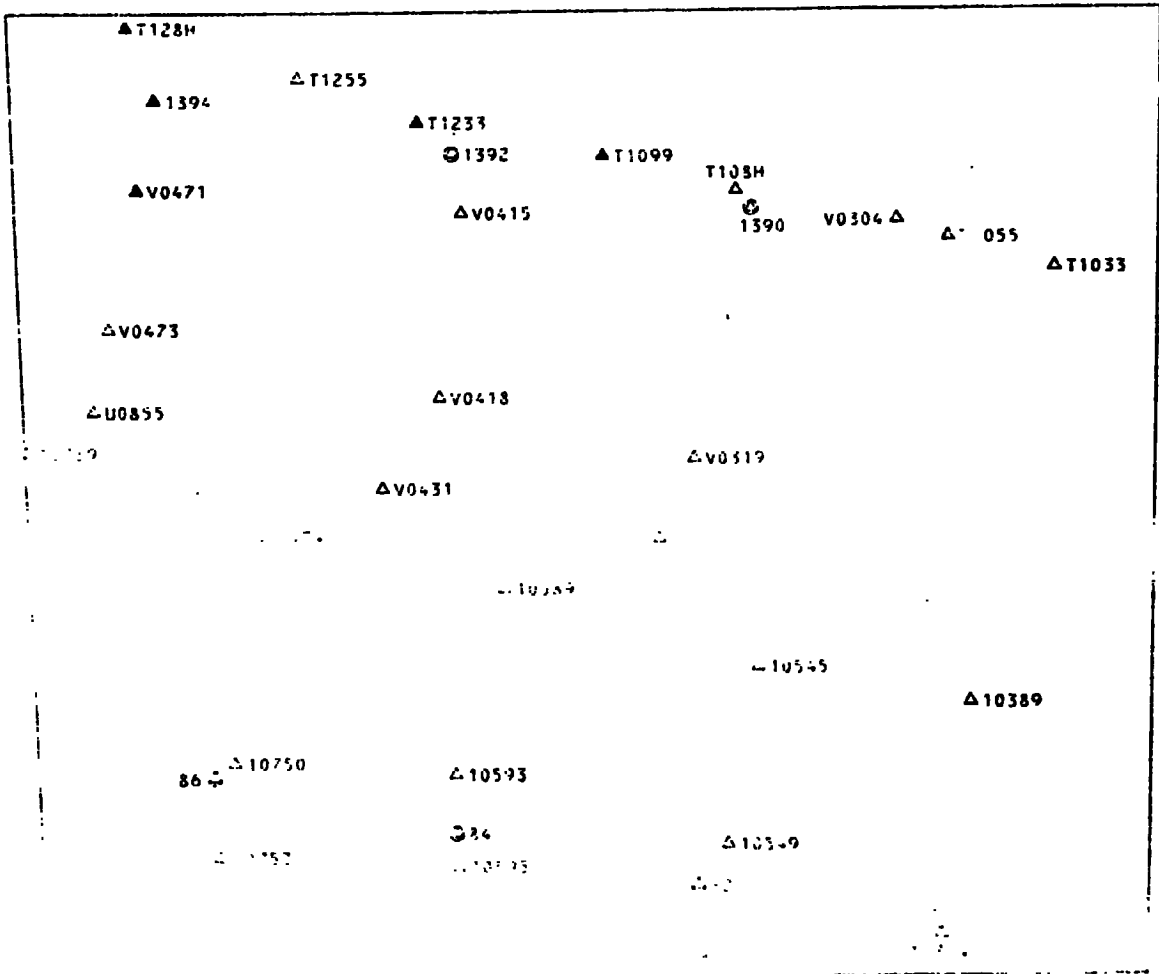
POINT NO.	CARTESIAN POSITION	STR. NO.	SPHERICAL POSITION	STR. NO.
30649	X = -1414024 Y = 767728 Z = -652204	29 37 23	LAT. = -22 3 54.3 LONG. = 151 30 2.8 RAD. = 1736156.9	1.9 4.0 39.7
292	X = -1408505 Y = 769673 Z = -661777	26 27 19	LAT. = -22 24 23.1 LONG. = 151 20 44.7 RAD. = 1736154.7	2.0 3.6 25.5
30651	X = -1399989 Y = 774616 Z = -682216	32 35 19	LAT. = -23 5 33.6 LONG. = 151 2 39.1 RAD. = 1739373.0	2.0 3.8 38.4
V0818	X = -1476266 Y = 758230 Z = -522679	25 22 14	LAT. = -17 28 53.2 LONG. = 152 48 51.7 RAD. = 1739962.4	1.8 2.8 24.0
30634	X = -1452310 Y = 746276 Z = -594502	31 33 21	LAT. = -20 0 22.4 LONG. = 152 48 12.4 RAD. = 1737689.3	2.1 3.7 35.4
	X = -1453219 Y = 741815 Z = -594502	26 27 20	LAT. = -20 8 42.0 LONG. = 152 52 12.5 RAD. = 1737689.3	2.0 3.5 29.1
30578	X = -1450505 Y = 745591 Z = -599676	28 28 20	LAT. = -20 11 17.4 LONG. = 152 47 45.1 RAD. = 1737665.4	2.0 3.5 29.1
11154	X = -1437938 Y = 743788 Z = -634420	25 28 19	LAT. = -21 23 57.1 LONG. = 152 38 57.4 RAD. = 1738785.9	2.0 3.6 26.6
30632	X = -1428832 Y = 747116 Z = -634420	29 28 19	LAT. = -22 7 10.6 LONG. = 152 38 57.4 RAD. = 1738785.9	2.2 3.6 26.6
11145	X = -1479461 Y = 734316 Z = -547613	27 28 23	LAT. = -18 20 34.7 LONG. = 153 36 10.6 RAD. = 1740088.1	2.3 3.6 29.0
V0699	X = -1471484 Y = 725287 Z = -581921	28 23 17	LAT. = -19 31 39.2 LONG. = 153 44 33.9 RAD. = 1740921.8	2.3 3.0 26.2
30665	X = -1469305 Y = 725287 Z = -581921	28 23 17	LAT. = -19 31 39.2 LONG. = 153 44 33.9 RAD. = 1740921.8	2.3 3.0 26.2

MAP SHEET 103A (CONTINUED)

POINT	EASTING	NORTHING	HEIGHT	COORDINATE SYSTEM	HEIGHT
30549	X = -1448300 Y = 706746 Z = -668128	35 30 21	LAT. = -22 31 6.2 LONG. = 153 59 18.2 RAD. = 1744551.1	3.0 3.7 34.2	
V0693	X = -1505564 Y = 713075 Z = -498448	25 22 14	LAT. = -16 39 27.3 LONG. = 154 39 23.5 RAD. = 1738863.9	1.6 2.8 24.2	
V0673	X = -1507878 Y = 680531 Z = -529189	26 23 15	LAT. = -17 44 18.4 LONG. = 155 42 34.4 RAD. = 1736911.0	1.8 2.9 24.9	
U1055	X = -1500937 Y = 684423 Z = -545707	29 23 17	LAT. = -18 18 16.7 LONG. = 155 29 13.8 RAD. = 1737539.3	2.2 3.0 26.5	
10939	X = -1498881 Y = 680285 Z = -555469	28 29 25	LAT. = -18 38 50.7 LONG. = 155 35 18.7 RAD. = 1737233.1	2.4 3.7 30.5	
	X = -1492896 Y = 680285 Z = -555469	28 29 25	LAT. = -19 15 28.4 LONG. = 155 35 18.7 RAD. = 1737233.1	2.7 3.7 30.5	
10944	X = -1477899 Y = 684343 Z = -608319	29 29 20	LAT. = -20 28 52.8 LONG. = 155 9 12.1 RAD. = 1738552.5	2.1 3.7 30.2	
32	X = -1474628 Y = 684685 Z = -615447	27 28 20	LAT. = -20 44 1.3 LONG. = 155 5 38.6 RAD. = 1738418.1	2.1 3.7 27.2	
	X = -1522775 Y = 680285 Z = -555469	29 29 25	LAT. = -18 38 50.7 LONG. = 155 35 18.7 RAD. = 1737233.1	2.4 3.7 30.5	
1710	X = -1524617 Y = 648482 Z = -521573	24 23 17	LAT. = -17 28 27.9 LONG. = 156 57 28.7 RAD. = 1736958.2	1.9 5.1 22.8	
	X = -494059 Y = 643742 Z = 512932	41 37 31	LAT. = -20 20 14.0 LONG. = 156 41 24.2 RAD. = 1734976.7	5.7 3.5 31.5	

TERRAIN POINTS MAP SHEET 107A (CONTINUED)

POINT NO.	CARTESIAN COORDINATES	STD DEV.	SPHERICAL COORDINATES	STD DEV.
V063K	X = -1525045 Y = 623613 Z = -551514	29 24 16	LAT. = -18 30 25.6 LONG. = 157 45 34.7 RAD. = 1737476.0	2.1 3.1 26.9
10945	X = -1512554 Y = 623323 Z = -580518	29 30 24	LAT. = -19 32 13.9 LONG. = 157 36 12.4 RAD. = 1735900.8	2.4 3.9 31.9
10949	X = -1493383 Y = 628858 Z = -619830	30 30 21	LAT. = -20 55 58.2 LONG. = 157 9 51.2 RAD. = 1734890.0	2.2 3.9 31.9
90	X = -1490884 Y = 625540 Z = -630238	28 29 21	LAT. = -21 17 46.2 LONG. = 157 14 17.6 RAD. = 1735291.1	2.2 3.9 28.7
10951	X = -1488109 Y = 629751 Z = -639852	30 31 21	LAT. = -21 36 9.0 LONG. = 157 3 44.8 RAD. = 1737949.2	2.2 3.9 31.5
10952	X = -1554456 Y = 602129 Z = -492799	24 25 15	LAT. = -16 14 4.7 LONG. = 158 39 54.3 RAD. = 1737386.4	1.7 3.0 25.8
V0615	X = -1553113 Y = 602909 Z = -492799	26 24 15	LAT. = -16 28 40.1 LONG. = 158 47 2.7 RAD. = 1737386.4	1.7 3.0 25.8
88	X = -1509110 Y = 567349 Z = -645837	29 30 21	LAT. = -21 49 49.1 LONG. = 159 23 46.6 RAD. = 1736779.3	2.2 4.0 29.7
10795	X = -1508634 Y = 567117 Z = -644334	31 31 21	LAT. = -22 7 21.0 LONG. = 159 21 41.4 RAD. = 1736779.3	2.2 3.7 29.7
10799	X = -1485537 Y = 568391 Z = -697757	33 31 22	LAT. = -23 41 10.9 LONG. = 159 3 44.3 RAD. = 1736880.1	2.6 4.1 32.9



MAP SHEET
OBSERVATION

- ▲ < 30M
- △ < 100M
- > 100M

MAP SHEET 103B

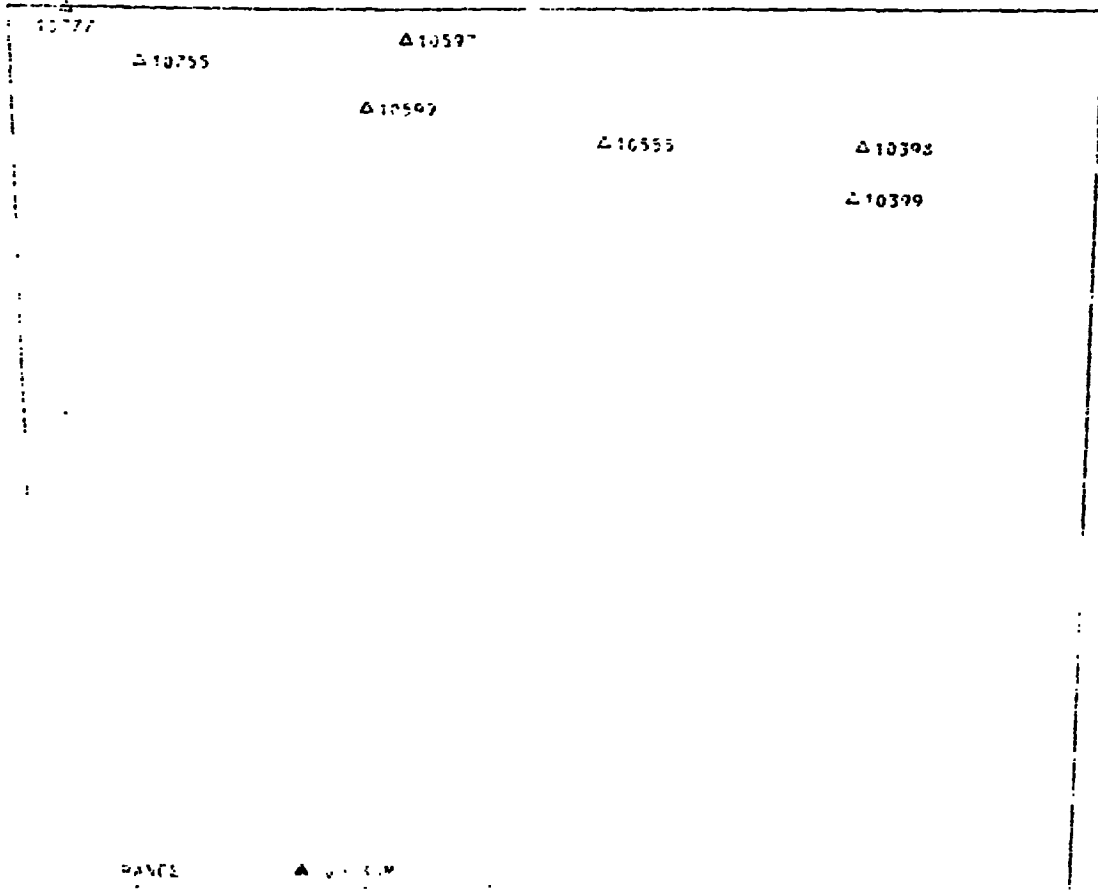
TERRAIN POINTS IN AREA ABOUT 1972

POINT	CARTESIAN	WAVE	CONVERSION	ST.
V0473	X = -1554101	30	LAT. = -18 56 45.4	2.1
	Y = 541823	25	LONG. = 160 46 45.8	3.2
	Z = -554273	16	RAD. = 1735669.3	28.0
U0855	X = -1546255	30	LAT. = -19 17 24.7	2.3
	Y = 543883	25	LONG. = 160 37 15.2	3.2
	Z = -573697	17	RAD. = 1736617.1	28.1
10789	X = -1537303	30	LAT. = -19 37 32.0	2.6
	Y = 559097	32	LONG. = 160 0 51.6	4.1
	Z = -583310	26	RAD. = 1736703.8	32.8
T128H	X = -1580206	27	LAT. = -16 7 12.2	1.8
	Y = 543500	24	LONG. = 161 1 11.0	3.1
	Z = -482960	17	RAD. = 1739451.9	27.6
1394	X = -1576089	28	LAT. = -16 43 30.2	1.8
	Y = 535262	25	LONG. = 161 14 30.4	3.1
	Z = -500168	16	RAD. = 1738024.3	27.7
1477	X = -1567049	28	LAT. = -17 27 51.5	1.8
	Y = 537075	25	LONG. = 161 1 7.4	3.1
	Z = -482960	17	RAD. = 1739451.9	27.6
1711	X = -1523151	32	LAT. = -22 12 58.3	2.3
	Y = 513642	32	LONG. = 161 15 31.4	4.2
	Z = -657158	23	RAD. = 1733041.1	33.2
86	X = -1524844	30	LAT. = -22 20 1.0	2.3
	Y = 508179	32	LONG. = 161 34 6.7	4.2
	Z = -660301	22	RAD. = 1737639.9	30.6
10753	X = -1506232	34	LAT. = -25 53 3.7	2.5
	Y = 511226	32	LONG. = 161 15 8.7	4.2
	Z = -704343	22	RAD. = 1759595.9	34.0
T1251	X = -1509000	34	LAT. = -26 52 59.1	2.1
	Y = 511070	32	LONG. = 161 24 53.0	3.1
	Z = -704359	16	RAD. = 1759112.1	26.3

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T1235	X = -1593641 Y = 471214 Z = -505347	26 24 15	LAT. = -16 54 50.0 LONG. = 163 31 40.5 RAD. = 1736983.1	1.7 3.1 25.3
1392	X = -1593757 Y = 462128 Z = -512836	25 25 15	LAT. = -17 10 25.2 LONG. = 163 49 47.5 RAD. = 1736843.5	1.8 3.2 23.9
V0415	X = -1590038 Y = 458724 Z = -526994	28 25 16	LAT. = -17 39 50.2 LONG. = 163 54 25.9 RAD. = 1736770.5	1.8 3.2 28.0
V0418	X = -1574024 Y = 460835 Z = -570878	30 25 17	LAT. = -19 11 30.3 LONG. = 163 40 52.6 RAD. = 1736612.2	2.1 3.3 28.2
V0431	X = -1562458 Y = 472975 Z = -592308	31 25 17	LAT. = -19 56 31.8 LONG. = 163 9 29.9 RAD. = 1736608.6	2.4 3.3 28.5
	X = -154102	33	LAT. = -22 19 5.8	2.4
	Y = -1535523 Z = -672597	31 33 22	LAT. = -22 48 26.8 LONG. = 163 44 40.8 RAD. = 1735127.7	2.4 4.4 31.6
10595	X = -1532489 Y = 446445 Z = -680343	34 34 23	LAT. = -23 5 6.3 LONG. = 163 45 29.1 RAD. = 1735137.2	2.4 4.4 35.1
	X = -1503084 Y = 415102	37 37	LAT. = -20 46 50.2 LONG. = 163 27 23.6 RAD. = 1733097.4	2.7 3.4 35.0
T1030	X = -1606698 Y = 425778 Z = -514423	26 25 15	LAT. = -17 11 48.6 LONG. = 165 0 27.6 RAD. = 1739941.8	1.8 3.2 25.5
V0314	X = -1583957 Y = 397245 Z = -525579	41 30 19	LAT. = -19 42 20.3 LONG. = 165 56 17.0 RAD. = 1736653.5	3.0 3.5 38.5
	X = -1583957 Y = 397245 Z = -525579	41 30 19	LAT. = -19 42 20.3 LONG. = 165 56 17.0 RAD. = 1736653.5	3.0 3.5 38.5

82	X = -1549954	32	LAT. = -23 14 57.7	2.4
	Y = 388234	34	LONG. = 165 56 16.2	4.5
	Z = -686464	23	RAD. = 1739055.9	32.5
10551	X = -1542189	35	LAT. = -23 49 .8	2.5
	Y = 385258	35	LONG. = 165 57 10.4	4.6
	Z = -701713	23	RAD. = 1737709.7	35.8
T108H	X = -1612179	35	LAT. = -17 29 23.3	1.9
	Y = 392314	30	LONG. = 166 19 23.8	3.5
	Z = -522827	19	RAD. = 1739649.5	37.2
1390	X = -1610785	25	LAT. = -17 38 21.4	1.9
	Y = 388139	26	LONG. = 166 27 7.6	3.3
	Z = -526847	17	RAD. = 1738633.7	24.8
10545	X = -1575307	32	LAT. = -21 26 31.2	2.7
	Y = 378345	35	LONG. = 166 29 41.8	4.5
	Z = -656283	27	RAD. = 1740572.5	35.4
	X = -1554237	37	LAT. = -22 51 35.4	2.4
	Y = 381122	37	LONG. = 166 31 35.4	4.5
	Z = -656283	27	RAD. = 1740572.5	35.4
V0504	X = -1611147	28	LAT. = -17 39 31.4	1.9
	Y = 351869	28	LONG. = 167 44 31.7	3.4
	Z = -529819	20	RAD. = 1738971.2	35.6
T1055	X = -1620396	28	LAT. = -17 53 7.1	1.9
	Y = 339059	26	LONG. = 168 10 54.1	3.1
	Z = -534240	16	RAD. = 1739556.7	26.9
80	X = -1555533	33	LAT. = -23 39 31.4	2.5
	Y = 327377	35	LONG. = 168 3 26.6	4.7
	Z = -613701	13	RAD. = 1738655.6	33.6
10724	X = -1588127	35	LAT. = -23 59 31.4	2.5
	Y = 317192	30	LONG. = 168 7 25.9	4.7
	Z = -613701	13	RAD. = 1738655.6	33.6



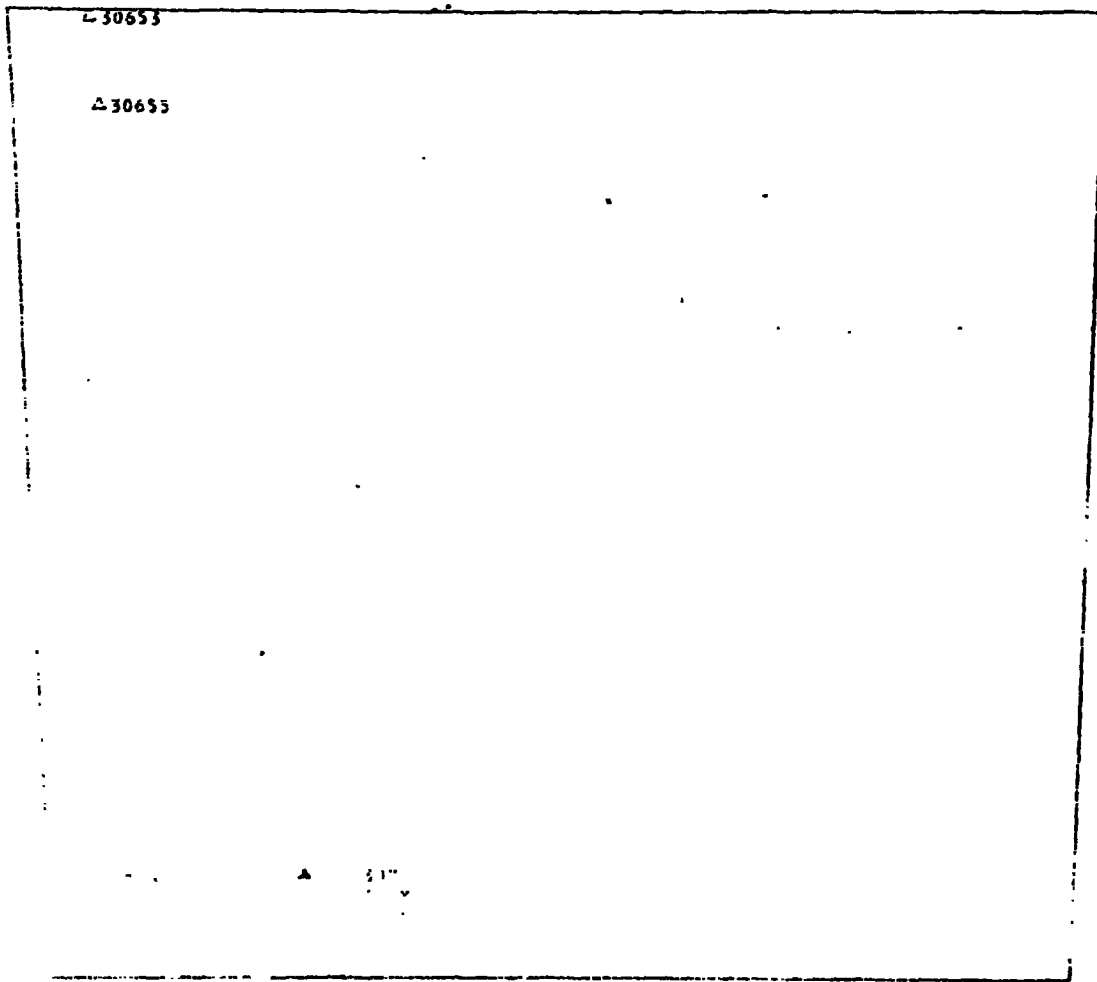
PANTS

▲ V. C. M.

MAP SHEET 1050

SHEET 1000

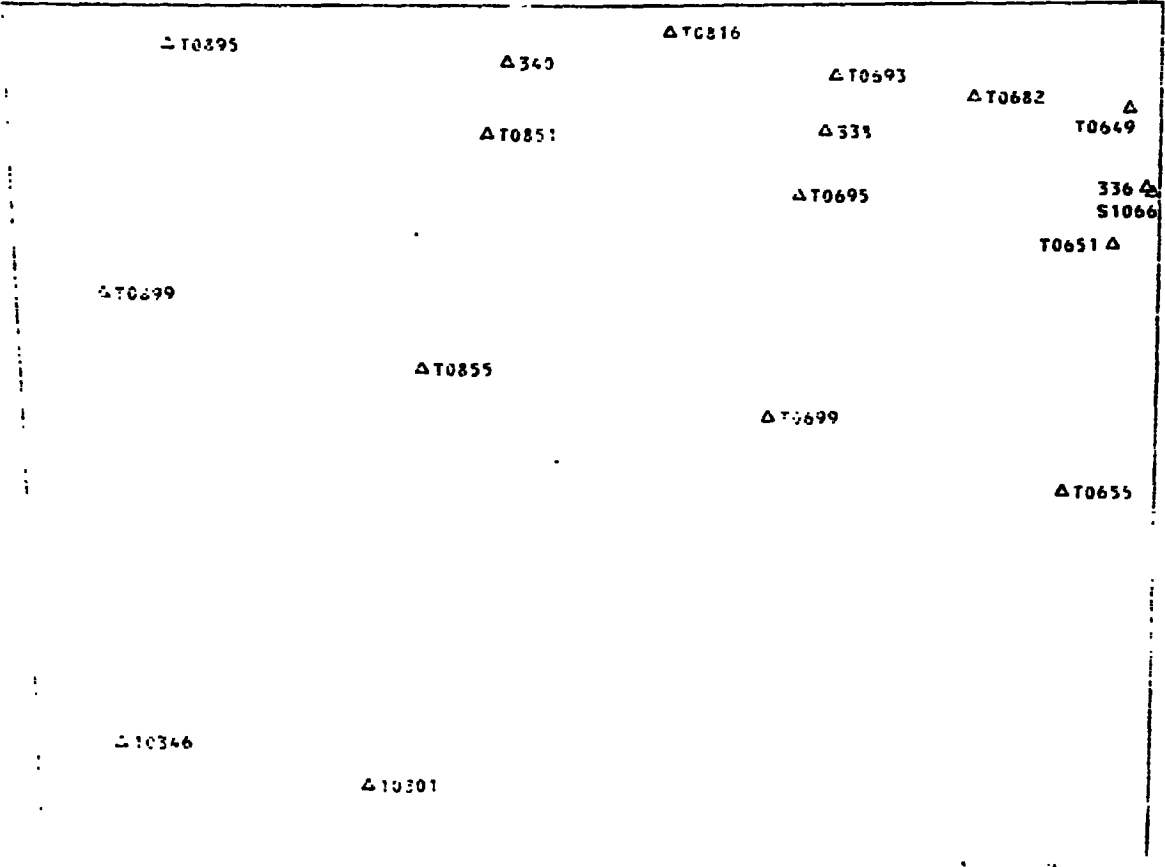
POINT	CARTESIAN	STD	SPHERICAL	STD
10777	X = -1498484 Y = 529996 Z = -708004	42 34 23	LAT. = -24 0 36.3 LONG. = 160 31 18.9 RAD. = 1740006.0	3.2 4.2 40.1
10755	X = -1496363 Y = 510391 Z = -718531	35 32 22	LAT. = -24 26 26.3 LONG. = 161 9 58.1 RAD. = 1736631.6	2.7 4.3 34.5
10597	X = -1520953 Y = 446934 Z = -714454	45 34 23	LAT. = -24 15 37.5 LONG. = 163 37 28.3 RAD. = 1738819.6	2.9 4.7 42.9
10599	X = -1510146 Y = 454328 Z = -729715	35 33 23	LAT. = -24 49 51.6 LONG. = 163 15 21.8 RAD. = 1737653.7	2.7 4.4 34.9
10555	X = -1522812 Y = 395268 Z = -737558	36 35 23	LAT. = -25 7 2.6 LONG. = 165 26 57.0 RAD. = 1737579.7	2.8 4.6 36.0
10550	X = -1536215 Y = 331177 Z = -749367	37 36 24	LAT. = -25 8 31.3 LONG. = 167 30 4.3 RAD. = 1736173.1	2.7 4.7 37.2
10399	X = -1550488 Y = 332193 Z = -749367	38 36 24	LAT. = -25 34 13.5 LONG. = 167 45 14.0 RAD. = 1736173.1	2.8 4.8 37.2



MAP SHEET 103D

1944 FEB 1950

POINT	EASTING	ORTHO	HEIGHT	STG
30653	X = -1388172	34	LAT. = -24 5 41.8	2.5
	Y = 777664	35	LONG. = 150 44 31.7	3.6
	Z = -710480	17	RAD. = 1742573.9	37.4
30655	X = -1379366	30	LAT. = -24 47 4.5	3.1
	Y = 771189	36	LONG. = 150 47 27.3	3.7
	Z = -729690	18	RAD. = 1740641.3	38.4



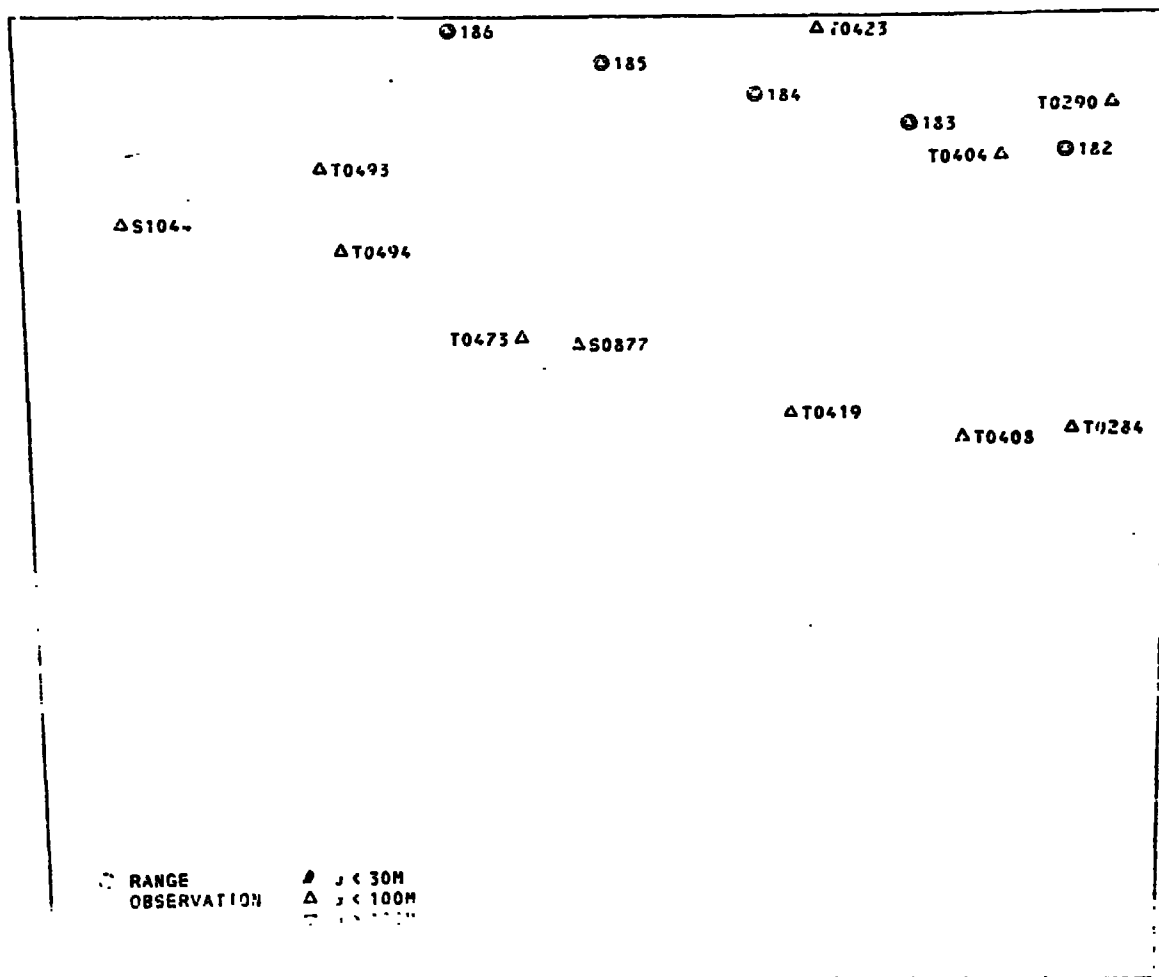
MAP SHEET 104A

FORMATION POINTS ON MAP SHEET 1044

POINT	CARTESIAN COORDINATES	SIC	SPHERICAL COORDINATES	STD DEV
T0899	X = -1627367 Y = 264980 Z = -547302	31 28 17	LAT. = -18 21 47.0 LONG. = 170 45 6.6 RAD. = 1737261.5	2.3 3.6 29.2
10346	X = -1588153 Y = 258704 Z = -652457	35 38 30	LAT. = -22 4 18.2 LONG. = 170 44 52.8 RAD. = 1737334.4	2.9 4.8 38.6
10349	X = -1569867 Y = 264866 Z = -694215	45 38 33	LAT. = -23 33 34.6 LONG. = 170 25 24.0 RAD. = 1736828.0	2.8 5.1 49.6
T0895	X = -1647731 Y = 249408 Z = -487994	29 28 16	LAT. = -16 19 17.0 LONG. = 171 23 34.0 RAD. = 1736478.7	1.9 3.5 29.3
10301	X = -1593358 Y = 196884 Z = -663316	41 46 44	LAT. = -22 26 54.1 LONG. = 172 57 21.4 RAD. = 1737106.7	3.8 5.7 51.2
-	X = -1632777 Y = - Z = -	32 29 29	LAT. = -18 59 53.9 LONG. = 173 30 57.7 RAD. = 1737111.2	2.4 3.7 29.3
3-1	X = -1655848 Y = - Z = -491890	30 30 17	LAT. = -16 28 3.4 LONG. = 174 12 33.2 RAD. = 1735223.9	1.9 3.7 30.5
T0853	X = -1650209 Y = 169918 Z = -509076	31 30 17	LAT. = -17 3 34.7 LONG. = 174 7 16.0 RAD. = 1735286.6	2.0 3.7 30.5
-	X = -1647300 Y = - Z = -	30 30 17	LAT. = -16 13 14.7 LONG. = 173 44 31.0 RAD. = 1735111.2	1.9 3.7 29.3
10095	X = -1654680 Y = 91007 Z = -525077	31 31 17	LAT. = -17 34 50.8 LONG. = 176 51 6.8 RAD. = 1738376.9	2.0 3.9 30.9
T0639	X = -1636951 Y = 97945 Z = -528028	32 31 18	LAT. = -19 24 59.4 LONG. = 176 34 53.3 RAD. = 1738768.6	2.4 3.9 31.0
-	X = -1632777 Y = - Z = -	32 29 29	LAT. = -18 59 53.9 LONG. = 173 30 57.7 RAD. = 1737111.2	2.4 3.7 29.3

POINT POINTS ON MAP SHEET 14A (CONTINUED)

POINT	CARTESIAN COORDINATES	STD DE	SPHERICAL COORDINATES	STD DEP.
338	X = -1659892 Y = 84698 Z = -509741	31 31 17	LAT. = -17 3 1.6 LONG. = 177 4 44.2 RAD. = 1738462.1	2.0 3.9 30.9
T0632	X = -1664700 Y = 47026 Z = -501964	30 32 17	LAT. = -16 46 24.8 LONG. = 178 22 54.8 RAD. = 1739369.1	1.9 3.9 30.7
T0649	X = -1661321 Y = 7719 Z = -503974	30 32 17	LAT. = -16 52 31.4 LONG. = 179 44 1.7 RAD. = 1736098.2	1.9 4.0 30.8
336	X = -1655148 Y = 3216 Z = -522847	38 35 19	LAT. = -17 31 51.0 LONG. = 179 53 19.2 RAD. = 1735769.4	2.1 4.3 39.0
S1066	X = -1654792 Y = 1804 Z = -524010	38 34 19	LAT. = -17 34 15.7 LONG. = 179 56 15.2 RAD. = 1735778.2	2.6 4.2 36.2
	X = -1650759 Y = 11847 Z = -522134	39 31 17	LAT. = -17 59 58.0 LONG. = 179 59 11.2 RAD. = 1735778.2	2.2 4.7 36.2
T0655	X = -1631195 Y = 23162 Z = -595155	43 33 22	LAT. = -20 2 35.0 LONG. = 179 11 11.2 RAD. = 1736531.5	3.4 4.2 32.8



MAP SHEET 104B

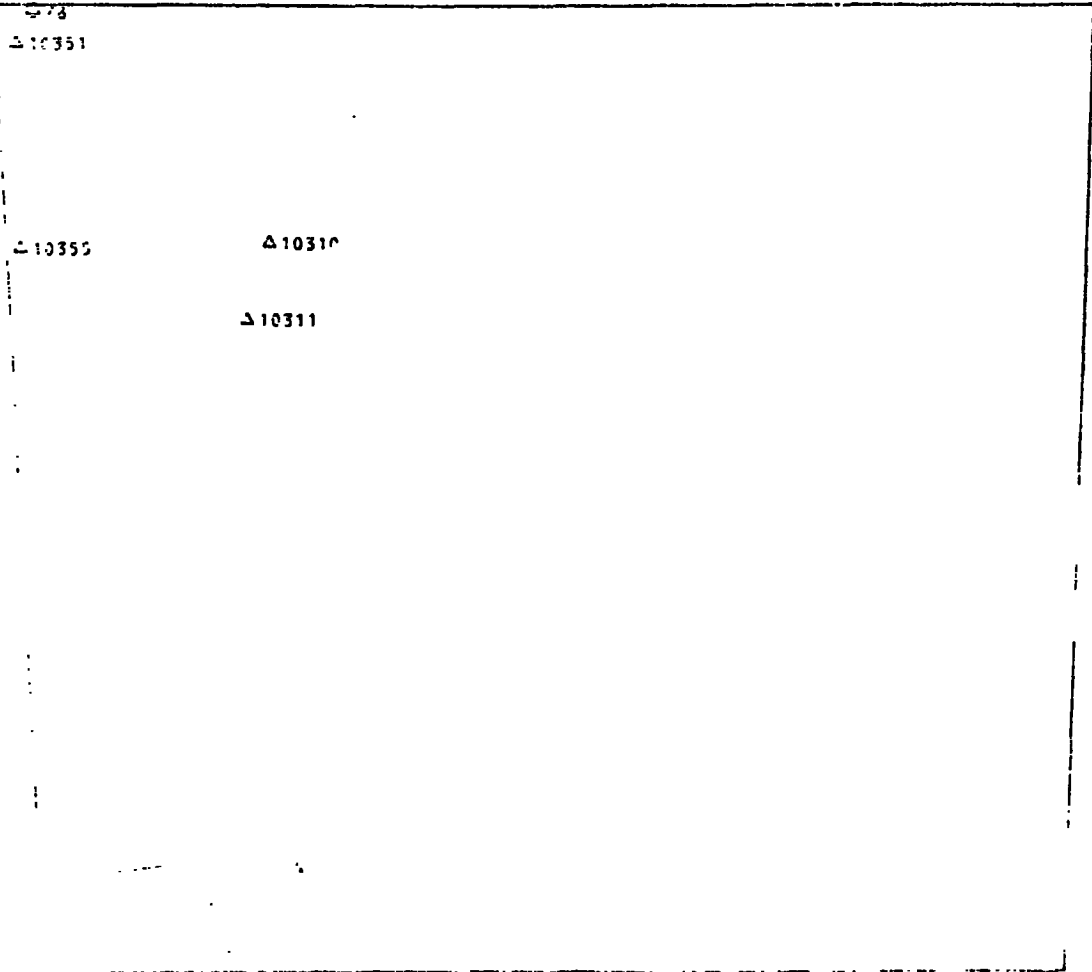
A-218

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TERMINAL POINTS ON MAP SHEET 1043

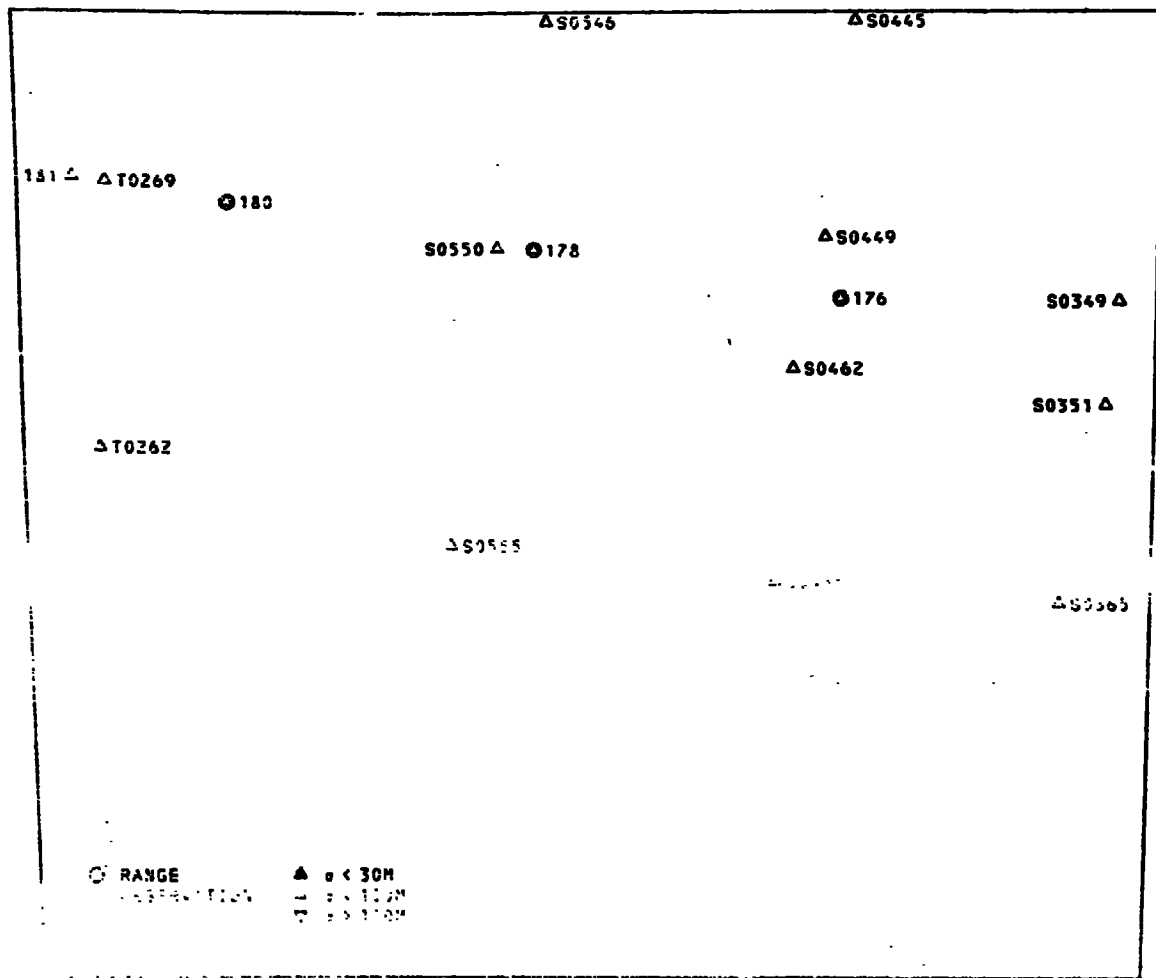
POINT	CARTESIAN COORDINATES	STD DEV	SPHERICAL COORDINATES	STD DEV
S1044	X = -1655375 Y = -25484 Z = -528669	38 35 19	LAT. = -17 42 34.9 LONG. = 180 52 55.1 RAD. = 1737931.6	2.5 4.3 36.9
T0495	X = -1658306 Y = -76305 Z = -515658	32 34 17	LAT. = -17 15 22.1 LONG. = 182 38 4.3 RAD. = 1738305.2	2.0 4.3 32.2
T0474	X = -1651532 Y = -80874 Z = -535370	32 35 18	LAT. = -17 56 26.9 LONG. = 182 48 12.6 RAD. = 1738021.8	2.1 4.3 32.2
186	X = 1668143 Y = -110214 Z = -482901	30 35 18	LAT. = -16 6 41.8 LONG. = 183 46 48.1 RAD. = 1740127.2	2.0 4.3 30.7
T0473	X = -1641871 Y = -125823 Z = -556483	41 36 21	LAT. = -18 40 20.1 LONG. = 184 22 56.0 RAD. = 1738173.4	2.9 4.5 38.7
	X = -1639531 Y = -125823 Z = -556483	43 37 21	LAT. = -18 43 35.0 LONG. = 184 22 56.0 RAD. = 1738173.4	3.0 4.5 38.7
	X = -1663974 Y = -148919 Z = -491310	30 36 18	LAT. = -16 23 16.6 LONG. = 185 6 50.8 RAD. = 1741370.8	2.0 4.4 31.5
T0423	X = -1659875 Y = -203756 Z = -483019	39 38 23	LAT. = -16 6 36.9 LONG. = 186 59 53.8 RAD. = 1740692.3	2.3 4.6 41.8
	X = -1659875 Y = -203756 Z = -483019	39 38 23	LAT. = -16 6 36.9 LONG. = 186 59 53.8 RAD. = 1740692.3	2.3 4.6 41.8
	X = -1659875 Y = -203756 Z = -483019	39 38 23	LAT. = -16 6 36.9 LONG. = 186 59 53.8 RAD. = 1740692.3	2.3 4.6 41.8
T0419	X = -1631705 Y = -193044 Z = -575472	43 39 22	LAT. = -19 18 8.1 LONG. = 186 44 49.9 RAD. = 1740946.8	3.2 4.7 41.3
	X = -1649109 Y = -225639 Z = 505128	39 38 22	LAT. = 16 53 59.4 LONG. = 187 47 33.5 RAD. = 1739711.6	2.2 4.6 33.8
	X = -1649109 Y = -225639 Z = 505128	39 38 22	LAT. = 16 53 59.4 LONG. = 187 47 33.5 RAD. = 1739711.6	2.2 4.6 33.8
	X = -1649109 Y = -225639 Z = 505128	39 38 22	LAT. = 16 53 59.4 LONG. = 187 47 33.5 RAD. = 1739711.6	2.2 4.6 33.8

POINT	COORDINATES	HEIGHT	CONVERSION	STATION
T0408	X = -1621572 Y = -235485 Z = -580742	44 40 22	LAT. = -19 30 54.7 LONG. = 188 15 45.9 RAD. = 1738450.9	3.2 4.8 42.6
T0290	X = -1644480 Y = -276012 Z = -501882	40 40 24	LAT. = -16 45 3.0 LONG. = 189 31 40.1 RAD. = 1741373.4	2.3 4.8 43.8
182	X = -1642985 Y = -264181 Z = -513001	33 39 20	LAT. = -17 8 .1 LONG. = 189 8 4.5 RAD. = 1741367.4	2.2 4.7 34.8
T0284	X = -1622034 Y = -262954 Z = -580039	44 41 22	LAT. = -19 26 31.4 LONG. = 189 12 29.0 RAD. = 1742626.7	3.1 4.9 43.3



MAP SHEET 1041

ID	X	Y	Z	DEPTH	LAT.	LONG.	RAD.	DEPTH
78	X = -1563997	Y = 265983	Z = -707800	34 37 24	LAT. = -24 2 39.0	LONG. = 170 20 53.3	RAD. = 1737185.5	2.6 4.9 34.7
10351	X = -1559621	Y = 269766	Z = -15072	48 33 28	LAT. = -24 18 45.4	LONG. = 170 11 12.1	RAD. = 1736813.4	2.7 5.2 49.6
10355	X = -1538700	Y = 267845	Z = -761607	39 37 24	LAT. = -25 59 43.7	LONG. = 170 7 31.2	RAD. = 1737637.1	3.0 4.9 38.7
10310	X = -1545292	Y = 205568	Z = -758864	55 44 25	LAT. = -25 57 23.4	LONG. = 172 25 21.0	RAD. = 1733799.5	3.9 5.5 52.9
10311	X = -1536130	Y = 210569	Z = -776097	58 43 27	LAT. = -26 35 24.6	LONG. = 172 11 40.8	RAD. = 1733886.1	4.6 5.4 52.7



MAP SHEET 105A

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TERRAIN POINTS ON MAP SHEET 195A

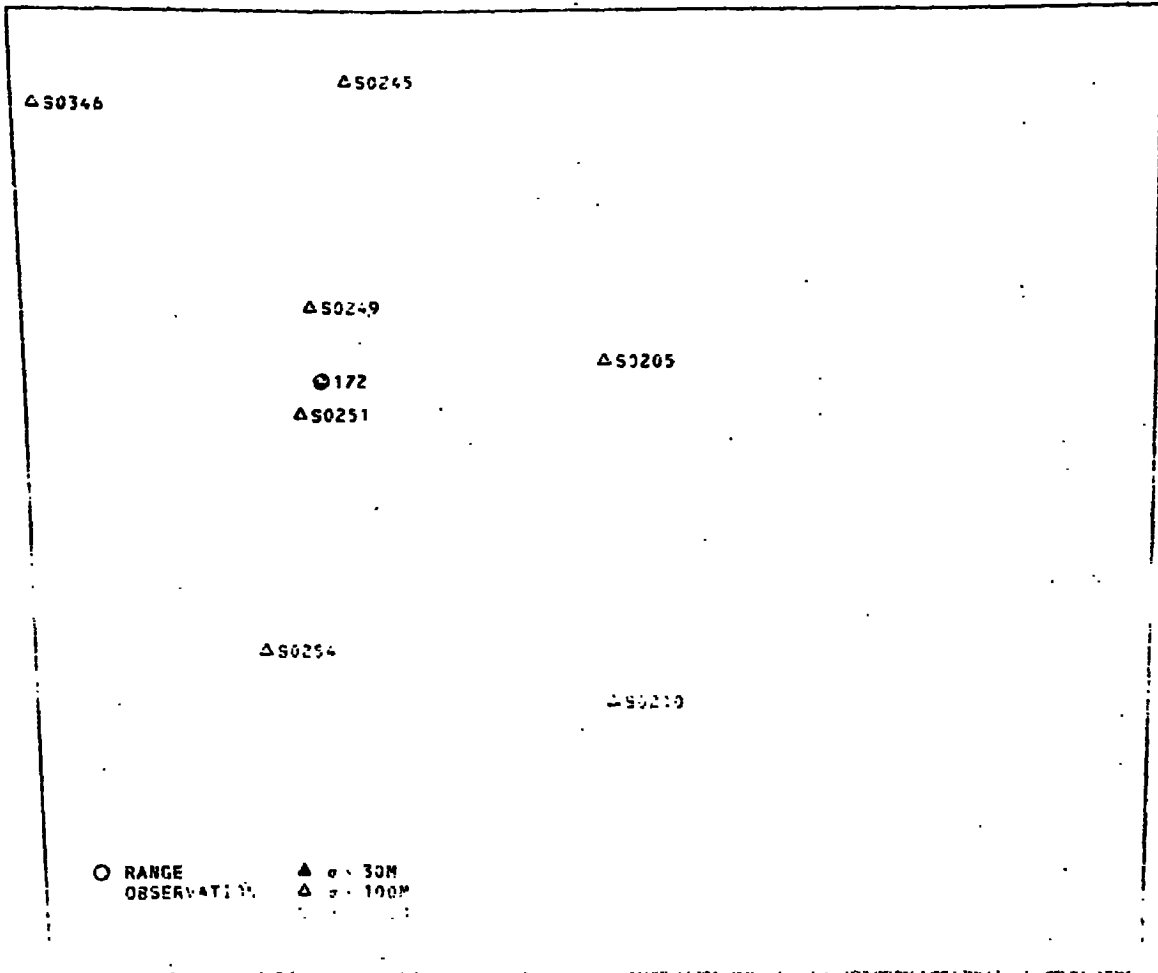
POINT	CARTESIAN COORDINATES	STD DEV	SPHERICAL COORDINATES	STD DEV
181	X = -1631588 Y = -301781 Z = -518610	34 40 21	LAT. = -17 21 24.7 LONG. = 190 28 44.7 RAD. = 1738421.4	2.3 4.8 35.6
T0269	X = -1629515 Y = -309871 Z = -519565	42 40 22	LAT. = -17 23 32.2 LONG. = 190 46 .8 RAD. = 1738185.2	2.3 4.8 43.9
T0262	X = -1609808 Y = -303296 Z = -583381	45 40 23	LAT. = -19 36 7.7 LONG. = 190 40 11.0 RAD. = 1738909.1	3.2 4.9 43.5
180	X = -1621692 Y = -339553 Z = -524676	34 41 21	LAT. = -17 34 17.1 LONG. = 191 49 33.2 RAD. = 1737948.7	2.4 4.9 36.4
S0555	X = -1580892 Y = -387521 Z = -606147	41 42 24	LAT. = -20 25 30.4 LONG. = 193 46 23.6 RAD. = 1736895.4	3.0 5.1 41.0
S0550	X = -1621825 Y = -423627 Z = -537110	38 42 23	LAT. = -16 4 40.0 LONG. = 194 38 18.9 RAD. = 1734468.6	2.6 5.0 40.4
S0550	X = -1602871 Y = -405676 Z = -536024	39 41 23	LAT. = -17 57 44.4 LONG. = 194 12 10.5 RAD. = 1738128.8	2.4 5.1 41.0
178	X = -1600725 Y = -414601 Z = -536434	36 45 24	LAT. = -17 58 25.7 LONG. = 194 31 15.5 RAD. = 1738383.5	2.0 5.4 38.6
S0552	X = -1572706 Y = -475109 Z = -584138	39 44 23	LAT. = -18 57 10.7 LONG. = 196 48 33.7 RAD. = 1737279.1	2.6 5.1 41.5
S0455	X = -1556928 Y = -465806 Z = -614822	40 44 24	LAT. = -20 43 22.4 LONG. = 196 39 22.5 RAD. = 1737528.5	2.9 5.4 41.4
S0445	X = -1599340 Y = -499182 Z = -482711	33 44 23	LAT. = -16 4 20.3 LONG. = 197 20 2.6 RAD. = 1743583.4	2.8 5.3 41.1
	X = -157114 Y = -47114 Z = -53114	33 44 23	LAT. = -16 4 20.3 LONG. = 197 20 2.6 RAD. = 1743583.4	2.8 5.3 41.1

APPENDIX

REF - AIR POINTS ON MAP SHEET 105A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
176	X = -1575151 Y = -488332 Z = -547736	36 44 23	LAT. = -18 22 24.2 LONG. = 197 13 28.6 RAD. = 1737694.5	2.6 5.4 39.0
S0349	X = -1553370 Y = -555407 Z = -548653	42 45 25	LAT. = -18 23 46.3 LONG. = 199 40 28.2 RAD. = 1738520.9	2.6 5.6 44.4
S0351	X = -1545978 Y = -549668 Z = -573254	43 45 24	LAT. = -19 15 29.8 LONG. = 199 34 21.7 RAD. = 1738045.9	2.7 5.6 44.4
S0365	X = -1533181 Y = -533798 Z = -620141	44 45 25	LAT. = -20 54 22.9 LONG. = 199 11 46.6 RAD. = 1737861.0	3.2 5.6 44.4

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MAP SHEET 105B

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TERRAIN POINTS ON MAP SHEET 105B

POINT NO.	CARTESIAN COORDINATE	STD DEV	SPHERICAL POSITION	STD DEV
S0346	X = -1564566 Y = -575097 Z = -502255	41 46 29	LAT. = -16 46 4.7 LONG. = 200 10 56.0 RAD. = 1740937.3	2.9 5.6 44.1
S0245	X = -1538763 Y = -649730 Z = -497419	41 49 29	LAT. = -16 35 .8 LONG. = 202 53 29.4 RAD. = 1742804.6	3.0 6.0 43.9
S0249	X = -1523394 Y = -632431 Z = -550643	42 49 26	LAT. = -18 27 38.6 LONG. = 202 32 44.2 RAD. = 1738938.0	2.7 6.0 44.2
172	X = -1516428 Y = -632199 Z = -568168	39 50 25	LAT. = -19 4 36.0 LONG. = 202 37 52.6 RAD. = 1738403.1	2.7 6.1 41.4
S0251	X = -1515732 Y = -625885 Z = -576047	42 49 25	LAT. = -19 21 18.5 LONG. = 202 26 12.9 RAD. = 1738103.4	2.7 6.1 44.3
S0254	X = -1500456 Y = -603525 Z = -581812	44 49 26	LAT. = -21 19 6.2 LONG. = 202 4 31.8 RAD. = 1738086.7	3.2 6.1 44.3
S0203	X = -1489994 Y = -699881 Z = -564138	54 51 29	LAT. = -18 54 58.8 LONG. = 205 9 37.5 RAD. = 1740162.8	2.8 6.6 54.3
S0210	X = -1461093 Y = -687996 Z = -644298	62 51 29	LAT. = -21 44 58.9 LONG. = 205 12 53.0 RAD. = 1738749.9	4.4 6.8 55.3

APPENDIX B

EXPOSURE STATION
POSITIONS

APPENDIX B

EXPOSURE STATION
POSITIONS

The exposure station positions listed in this appendix are in the True Selenographic Coordinate System and are referred to the center of mass of the Moon as defined by the orbit of revolution 44 of Mission 15. The Eckhardt model for lunar librations, described in an earlier section of this report, was used to transform the stellar orientations into the True Selenographic Coordinate system. The photogrammetric block was adjusted, completely free of orbital constraints, using an assumed position for one terrain point as the only position constraint. Scale was controlled by the altimeter observations and orientation by the stellar attitudes. After adjustment the entire block was translated, but not rotated, to best fit the orbit of revolution 44, thus minimizing the differences between these data and the DMA control net.

Each exposure station position is given in both Cartesian and spherical coordinates. Cartesian coordinates and their standard deviations are in meters. Latitudes and longitudes are given in degrees, minutes, and seconds and their standard deviations are in seconds of arc. Radial distances and their standard deviations are in meters. All frame numbers on Missions 15 and 17 are those assigned by NASA, while frame numbers on Mission 16 are those assigned by DMATC.

EXPOSURE STATIONS
MISSION 15 - REV 4

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0076	X = -1658658 Y = 215138 Z = -759543	36 40 26	LAT. = -24 25 25.9 LONG. = 172 36 34.8 RAD. = 1836936.6	2.6 5.0 37.3
0078	X = -1652762 Y = 280351 Z = -748914	34 36 24	LAT. = -24 4 21.2 LONG. = 170 22 22.1 RAD. = 1836053.1	2.4 4.5 34.7
0080	X = -1644689 Y = 344892 Z = -737324	33 35 24	LAT. = -23 41 24.2 LONG. = 168 9 24.0 RAD. = 1835101.5	2.5 4.4 33.6
0082	X = -1634410 Y = 409070 Z = -724746	32 34 23	LAT. = -23 16 31.8 LONG. = 165 56 54.0 RAD. = 1834091.9	2.3 4.2 32.5
0084	X = -1621924 Y = 472774 Z = -711192	31 32 23	LAT. = -22 49 46.2 LONG. = 163 44 56.9 RAD. = 1833016.2	2.3 4.1 31.6
0086	X = -1607290 Y = 535819 Z = -696686	30 31 22	LAT. = -22 21 10.0 LONG. = 161 33 47.8 RAD. = 1831898.9	2.2 3.9 30.6
0088	X = -1590503 Y = 598154 Z = -681276	30 30 23	LAT. = -21 50 49.5 LONG. = 159 23 23.3 RAD. = 1830743.7	2.4 3.8 29.7
0090	X = -1571598 Y = 659642 Z = -664952	28 28 21	LAT. = -21 18 44.8 LONG. = 157 13 51.2 RAD. = 1829538.5	2.1 3.6 28.7
0092	X = -1550582 Y = 720285 Z = -647725	27 27 20	LAT. = -20 44 57.2 LONG. = 155 5 2.1 RAD. = 1828295.3	2.0 3.5 27.2
0094	X = -1527505 Y = 779885 Z = -629681	27 26 19	LAT. = -20 9 37.5 LONG. = 152 57 10.4 RAD. = 1827017.1	1.9 3.3 26.5
0096	X = -1502347 Y = 838485 Z = -610770	25 25 19	LAT. = -19 32 40.8 LONG. = 150 50 .2 RAD. = 1825690.2	1.9 3.2 25.4

EXPOSURE STATIONS
MISSION 15 - REV 4
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0098	X = -1475151	25	LAT. = -18 54 11.3	1.8
	Y = 895984	23	LONG. = 148 43 34.1	2.9
	Z = -591026	18	RAD. = 1824327.3	25.1
0100	X = -1445979	30	LAT. = -18 14 13.7	2.5
	Y = 952231	27	LONG. = 146 38 1.1	3.7
	Z = -570426	23	RAD. = 1822924.3	26.0

EXPOSURE STATIONS
MISSION 15 - REV 16

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0292	X = -1504959 Y = 822736 Z = -707720	27 26 20	LAT. = -22 25 20.1 LONG. = 151 20 7.1 RAD. = 1855442.3	2.1 3.3 25.5
0294	X = -1471757 Y = 895632 Z = -689631	24 21 16	LAT. = -21 48 55.6 LONG. = 148 40 39.2 RAD. = 1855752.2	1.6 2.8 22.9
0296	X = -1435669 Y = 966707 Z = -670219	22 20 17	LAT. = -21 10 4.5 LONG. = 146 2 44.3 RAD. = 1856033.5	1.7 2.6 22.2
0298	X = -1396749 Y = 1035901 Z = -649440	21 18 16	LAT. = -20 28 43.8 LONG. = 143 26 14.9 RAD. = 1856279.0	1.6 2.5 19.5
0300	X = -1355095 Y = 1103028 Z = -627448	20 17 17	LAT. = -19 45 11.9 LONG. = 140 51 17.7 RAD. = 1856514.3	1.7 2.4 18.5
0302	X = -1310799 Y = 1167969 Z = -604210	20 17 14	LAT. = -18 59 27.2 LONG. = 138 17 52.1 RAD. = 1856721.9	1.5 2.3 17.8
0304	X = -1263935 Y = 1230639 Z = -579782	19 17 13	LAT. = -18 11 36.7 LONG. = 135 45 53.0 RAD. = 1856919.9	1.4 2.3 17.4
0306	X = -1214553 Y = 1290912 Z = -554227	19 17 13	LAT. = -17 21 50.0 LONG. = 133 15 15.5 RAD. = 1857083.7	1.3 2.3 16.9
0308	X = -1162875 Y = 1348551 Z = -527634	19 17 12	LAT. = -16 30 18.0 LONG. = 130 46 18.0 RAD. = 1857220.0	1.2 2.2 16.9
0310	X = -1108902 Y = 1403574 Z = -500006	18 16 11	LAT. = -15 37 1.4 LONG. = 128 18 38.5 RAD. = 1857333.7	1.2 2.1 16.2
0312	X = -1052740 Y = 1455891 Z = -471391	17 16 11	LAT. = -14 42 5.8 LONG. = 125 52 13.1 RAD. = 1857441.5	1.2 2.1 15.6

EXPOSURE STATIONS
MISSION 15 - REV 16
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0314	X = -994510	17	LAT. = -13 45 38.1	1.4
	Y = 1505353	16	LONG. = 123 27 2.6	2.0
	Z = -441838	13	RAD. = 1857514.2	15.5
0316	X = -934330	15	LAT. = -12 47 48.9	1.4
	Y = 1551855	15	LONG. = 121 3 3.6	1.8
	Z = -411441	13	RAD. = 1857554.7	15.3
0318	X = -872336	15	LAT. = -11 48 41.7	1.6
	Y = 1595325	15	LONG. = 118 40 12.7	1.7
	Z = -380236	15	RAD. = 1857582.3	15.3
0320	X = -808617	15	LAT. = -10 48 28.6	1.7
	Y = 1635672	15	LONG. = 116 18 22.1	1.6
	Z = -348329	15	RAD. = 1857583.8	15.3
0322	X = -743303	14	LAT. = - 9 47 7.7	1.7
	Y = 1672815	15	LONG. = 113 57 27.5	1.5
	Z = -315708	16	RAD. = 1857547.0	15.4
0324	X = -676577	14	LAT. = - 8 44 49.6	1.6
	Y = 1706638	15	LONG. = 111 37 31.0	1.5
	Z = -282471	15	RAD. = 1857460.1	15.3
0326	X = -608614	13	LAT. = - 7 41 49.8	1.3
	Y = 1737145	14	LONG. = 109 18 29.0	1.4
	Z = -248777	12	RAD. = 1857410.9	15.0
0328	X = -539426	14	LAT. = - 6 37 59.5	1.3
	Y = 1764244	14	LONG. = 107 0 4.6	1.5
	Z = -214542	12	RAD. = 1857300.3	14.2
0330	X = -469240	12	LAT. = - 5 33 34.9	1.2
	Y = 1787895	13	LONG. = 104 42 20.9	1.3
	Z = -179929	11	RAD. = 1857183.3	13.7
0332	X = -398071	12	LAT. = - 4 28 33.7	1.1
	Y = 1808088	13	LONG. = 102 24 58.4	1.3
	Z = -144928	10	RAD. = 1857053.8	13.4
0334	X = -376167	11	LAT. = - 3 23 11.8	1.0
	Y = 1824700	13	LONG. = 100 8 4.7	1.2
	Z = -109691	9	RAD. = 1856864.6	12.7

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EXPOSURE STATIONS
MISSION 15 - REV 16
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0336	X = -253657 Y = 1837785 Z = -74251	12 12 9	LAT. = - 2 17 30.9 LONG. = 97 51 30.6 RAD. = 1856693.1	1.0 1.3 12.2
0338	X = -180580 Y = 1847267 Z = -38634	11 11 8	LAT. = - 1 11 32.8 LONG. = 95 34 59.6 RAD. = 1856474.7	.9 1.2 11.1
0340	X = -107200 Y = 1853131 Z = -2960	9 11 7	LAT. = - 0 5 28.9 LONG. = 93 18 38.8 RAD. = 1856231.1	.8 1.0 11.3
0342	X = -33540 Y = 1855383 Z = 32760	10 11 7	LAT. = 1 0 41.0 LONG. = 91 2 8.3 RAD. = 1855975.7	.8 1.1 10.9
0344	X = 40250 Y = 1854013 Z = 68420	11 11 8	LAT. = 2 6 46.7 LONG. = 88 45 22.8 RAD. = 1855712.1	.8 1.3 11.4
0346	X = 113961 Y = 1849001 Z = 103995	12 12 8	LAT. = 3 12 47.0 LONG. = 86 28 23.1 RAD. = 1855426.0	.8 1.3 11.8
0348	X = 187411 Y = 1840342 Z = 139311	12 12 8	LAT. = 4 18 24.3 LONG. = 84 11 7.2 RAD. = 1855098.1	.9 1.4 12.3
0350	X = 260369 Y = 1828029 Z = 174307	13 15 9	LAT. = 5 23 33.8 LONG. = 81 53 37.6 RAD. = 1854687.8	1.0 1.4 14.7
0352	X = 332869 Y = 1812254 Z = 208966	12 14 9	LAT. = 6 28 13.0 LONG. = 79 35 31.6 RAD. = 1854381.7	1.0 1.4 14.1
0354	X = 404745 Y = 1792848 Z = 243252	12 15 9	LAT. = 7 32 21.1 LONG. = 77 16 42.3 RAD. = 1853994.5	1.0 1.4 14.4
0356	X = 475807 Y = 1769916 Z = 277031	13 14 9	LAT. = 8 35 43.8 LONG. = 74 57 10.4 RAD. = 1853575.7	1.0 1.4 14.0

EXPOSURE STATIONS
MISSION 15 - REV 16
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0358	X = 545894	14	LAT. = 9 38 21.8	1.1
	Y = 1743541	15	LONG. = 72 36 53.7	1.6
	Z = 310306	10	RAD. = 1853166.4	14.4
0360	X = 614921	13	LAT. = 10 40 .1	1.1
	Y = 1713760	14	LONG. = 70 15 40.8	1.5
	Z = 342937	10	RAD. = 1852756.7	13.7
0362	X = 682729	14	LAT. = 11 40 38.0	1.1
	Y = 1680580	15	LONG. = 67 53 26.7	1.6
	Z = 374902	10	RAD. = 1852301.5	14.7
0364	X = 749238	15	LAT. = 12 40 9.6	1.2
	Y = 1644101	15	LONG. = 65 30 2.3	1.8
	Z = 406158	11	RAD. = 1851861.5	15.1
0366	X = 814352	15	LAT. = 13 38 27.6	1.1
	Y = 1604322	15	LONG. = 63 5 15.8	1.8
	Z = 436629	11	RAD. = 1851395.2	14.7
0368	X = 874353	15	LAT. = 14 32 19.3	1.2
	Y = 1563830	15	LONG. = 60 47 24.0	1.8
	Z = 464647	11	RAD. = 1850932.9	15.2
0370	X = 931774	16	LAT. = 15 23 54.2	1.1
	Y = 1521401	15	LONG. = 58 30 53.4	1.9
	Z = 491358	10	RAD. = 1850485.2	14.2
0372	X = 987644	15	LAT. = 16 14 8.2	1.1
	Y = 1476341	15	LONG. = 56 13 5.6	1.9
	Z = 517243	10	RAD. = 1850017.4	14.7
0374	X = 1041790	17	LAT. = 17 2 54.7	1.2
	Y = 1428770	15	LONG. = 53 54 8.2	2.1
	Z = 542247	11	RAD. = 1849525.1	14.4
0376	X = 1094170	16	LAT. = 17 50 8.4	1.2
	Y = 1378771	15	LONG. = 51 33 54.2	2.0
	Z = 566340	11	RAD. = 1849042.6	14.6
0378	X = 1144620	17	LAT. = 18 35 41.2	1.2
	Y = 1326482	16	LONG. = 49 12 32.9	2.1
	Z = 589456	11	RAD. = 1848558.4	15.1

EXPOSURE STATIONS
MISSION 15 - REV 16
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0380	X = 1193122	17	LAT. = 19 19 26.9	1.2
	Y = 1271941	16	LONG. = 46 49 52.9	2.2
	Z = 611549	12	RAD. = 1848070.9	15.5
0382	X = 1239598	17	LAT. = 20 1 24.0	1.2
	Y = 1215172	16	LONG. = 44 25 47.6	2.2
	Z = 632606	12	RAD. = 1847548.7	15.4
0384	X = 1283976	18	LAT. = 20 41 28.1	1.3
	Y = 1156312	17	LONG. = 42 0 19.0	2.3
	Z = 652615	13	RAD. = 1847040.8	16.4
0386	X = 1326154	19	LAT. = 21 19 30.7	1.3
	Y = 1095500	18	LONG. = 39 33 33.1	2.6
	Z = 671517	13	RAD. = 1846548.3	16.3
0388	X = 1366101	20	LAT. = 21 55 25.4	1.3
	Y = 1032751	19	LONG. = 37 5 19.4	2.6
	Z = 689262	13	RAD. = 1846047.0	17.3
0390	X = 1403660	19	LAT. = 22 29 8.8	1.3
	Y = 968242	18	LONG. = 34 35 52.1	2.4
	Z = 705827	13	RAD. = 1845520.5	17.1
0392	X = 1438788	19	LAT. = 23 0 37.3	1.3
	Y = 902100	19	LONG. = 32 5 13.7	2.5
	Z = 721207	13	RAD. = 1845002.4	17.6
0394	X = 1471478	19	LAT. = 23 29 42.6	1.3
	Y = 834367	18	LONG. = 29 33 15.9	2.5
	Z = 735346	13	RAD. = 1844491.7	17.6
0396	X = 1501641	20	LAT. = 23 56 22.1	1.3
	Y = 765173	19	LONG. = 27 0 5.3	2.6
	Z = 748235	13	RAD. = 1843982.3	17.9
0398	X = 1529212	20	LAT. = 24 20 31.1	1.3
	Y = 694629	20	LONG. = 24 25 46.1	2.7
	Z = 759842	13	RAD. = 1843463.7	17.8
0400	X = 1554140	19	LAT. = 24 42 1.8	1.3
	Y = 622921	20	LONG. = 21 50 29.7	2.7
	Z = 770124	13	RAD. = 1842951.8	18.1

EXPOSURE STATIONS
MISSION 15 - REV 16
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0402	X = 1576414 Y = 550006 Z = 779118	19 20 13	LAT. = 25 0 57.6 LONG. = 19 14 1.4 RAD. = 1842447.5	1.3 2.7 18.2
0404	X = 1595914 Y = 476263 Z = 786748	20 21 14	LAT. = 25 17 8.1 LONG. = 16 36 59.4 RAD. = 1841939.4	1.4 2.8 18.8
0406	X = 1612661 Y = 401730 Z = 793023	20 21 14	LAT. = 25 30 32.0 LONG. = 13 59 17.7 RAD. = 1841452.6	1.3 2.8 19.6
0408	X = 1626586 Y = 326509 Z = 797925	20 22 14	LAT. = 25 41 8.2 LONG. = 11 21 1.1 RAD. = 1840943.9	1.3 2.8 20.2
0410	X = 1637716 Y = 250593 Z = 801471	21 23 14	LAT. = 25 48 55.9 LONG. = 8 41 58.4 RAD. = 1840452.7	1.3 2.9 20.9
0412	X = 1645994 Y = 174226 Z = 803611	20 23 14	LAT. = 25 53 49.4 LONG. = 6 2 31.8 RAD. = 1839956.6	1.3 2.9 20.6
0414	X = 1651411 Y = 97727 Z = 804386	20 23 14	LAT. = 25 55 51.1 LONG. = 3 23 12.1 RAD. = 1839496.5	1.3 3.0 21.0
0416	X = 1653949 Y = 20770 Z = 803756	20 24 14	LAT. = 25 54 58.4 LONG. = 0 43 10.1 RAD. = 1839022.6	1.3 3.0 21.1
0418	X = 1653612 Y = -56032 Z = 801725	20 25 14	LAT. = 25 51 9.8 LONG. = - 1 56 26.5 RAD. = 1838568.6	1.3 3.0 21.5
0420	X = 1650389 Y = -132701 Z = 798324	20 25 14	LAT. = 25 44 29.9 LONG. = - 4 35 49.3 RAD. = 1838127.7	1.4 3.1 22.1
0422	X = 1644298 Y = -209173 Z = 793514	21 26 15	LAT. = 25 34 54.2 LONG. = - 7 14 59.0 RAD. = 1837697.6	1.4 3.1 22.8

EXPOSURE STATIONS
MISSION 15 - REV 16
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0424	X = 1635376 Y = -285067 Z = 787383	21 27 16	LAT. = 25 22 32.7 LONG. = - 9 53 16.9 RAD. = 1837305.2	1.5 3.2 24.5

EXPOSURE STATIONS
MISSION 15 - REV 22

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0466	X = -1470230	25	LAT. = -23 13 45.3	2.4
	Y = 863994	26	LONG. = 149 33 32.3	3.1
	Z = -731925	21	RAD. = 1855741.3	24.3
0468	X = -1434059	23	LAT. = -22 41 15.9	1.7
	Y = 935964	21	LONG. = 146 52 7.7	2.7
	Z = -715911	17	RAD. = 1856093.2	22.2
0470	X = -1395119	21	LAT. = -22 6 14.1	1.8
	Y = 1005981	19	LONG. = 144 12 20.4	2.5
	Z = -698551	17	RAD. = 1856428.9	20.3
0472	X = -1353405	20	LAT. = -21 28 34.7	1.5
	Y = 1074082	18	LONG. = 141 33 50.3	2.4
	Z = -679781	15	RAD. = 1856733.3	19.4
0474	X = -1308988	19	LAT. = -20 48 27.3	1.4
	Y = 1140137	17	LONG. = 138 56 38.2	2.3
	Z = -659671	14	RAD. = 1857021.1	18.3
0476	X = -1262069	19	LAT. = -20 6 1.7	1.5
	Y = 1203876	17	LONG. = 136 21 6.7	2.2
	Z = -638292	15	RAD. = 1857296.6	18.0
0478	X = -1212665	19	LAT. = -19 21 25.3	1.6
	Y = 1265247	17	LONG. = 133 47 3.7	2.2
	Z = -615691	15	RAD. = 1857546.7	17.2
0480	X = -1160835	18	LAT. = -18 34 38.9	1.4
	Y = 1324174	16	LONG. = 131 14 21.7	2.1
	Z = -591857	14	RAD. = 1857759.3	16.6
0482	X = -1106724	17	LAT. = -17 45 50.9	1.3
	Y = 1380511	16	LONG. = 128 43 6.1	2.1
	Z = -566859	13	RAD. = 1857949.7	16.0
0484	X = -1050524	17	LAT. = -16 55 13.5	1.2
	Y = 1434077	16	LONG. = 126 13 27.8	2.1
	Z = -540796	12	RAD. = 1858127.5	15.9
0486	X = -992282	17	LAT. = -16 2 49.8	1.2
	Y = 1484823	16	LONG. = 123 45 14.9	2.1
	Z = -513681	11	RAD. = 1858276.7	15.5

EXPOSURE STATIONS
MISSION 15 - REV 22
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0488	X = -932092	16	LAT. = -15 8 47.5	1.2
	Y = 1532673	16	LONG. = 121 18 20.8	1.9
	Z = -485580	11	RAD. = 1858405.0	15.7
0490	X = -870048	16	LAT. = -14 13 8.9	1.2
	Y = 1577530	16	LONG. = 118 52 40.3	1.9
	Z = -456503	12	RAD. = 1858488.3	15.7
0492	X = -806328	15	LAT. = -13 16 5.8	1.4
	Y = 1619286	15	LONG. = 116 28 16.1	1.7
	Z = -426557	13	RAD. = 1858548.2	15.1
0494	X = -741016	13	LAT. = -12 17 41.5	1.5
	Y = 1657895	14	LONG. = 114 4 58.2	1.5
	Z = -395773	13	RAD. = 1858590.4	14.5
0496	X = -674302	13	LAT. = -11 18 7.3	1.6
	Y = 1693260	14	LONG. = 111 42 49.7	1.4
	Z = -364255	14	RAD. = 1858626.8	14.4
0498	X = -606203	12	LAT. = -10 17 22.2	1.4
	Y = 1725303	14	LONG. = 109 21 34.0	1.3
	Z = -331985	13	RAD. = 1858592.5	14.3
0500	X = -537045	12	LAT. = - 9 15 44.3	1.4
	Y = 1753949	14	LONG. = 107 1 26.9	1.3
	Z = -299143	12	RAD. = 1858559.2	14.1
0502	X = -466730	11	LAT. = - 8 13 6.8	1.2
	Y = 1779211	13	LONG. = 104 41 56.0	1.2
	Z = -265671	11	RAD. = 1858496.1	13.7
0504	X = -395503	13	LAT. = - 7 9 39.4	1.6
	Y = 1801014	13	LONG. = 102 23 8.0	1.4
	Z = -231666	14	RAD. = 1858424.4	13.5
0506	X = -323608	10	LAT. = - 6 5 37.6	1.1
	Y = 1819248	13	LONG. = 100 5 10.5	1.1
	Z = -197270	10	RAD. = 1858306.1	13.4
0508	X = -251111	10	LAT. = - 5 1 2.5	1.1
	Y = 1833945	13	LONG. = 97 47 48.1	1.2
	Z = -162512	10	RAD. = 1858176.4	12.8

EXPOSURE STATIONS
MISSION 15 - REV 22
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0510	X = -178137 Y = 1845048 Z = -127441	10 12 9	LAT. = - 3 55 58.8 LONG. = 95 30 53.1 RAD. = 1858002.9	1.0 1.1 12.3
0512	X = -104784 Y = 1852573 Z = -92094	9 12 8	LAT. = - 2 50 29.0 LONG. = 93 14 14.2 RAD. = 1857817.7	.9 1.0 12.2
0514	X = -31187 Y = 1856482 Z = -56567	10 11 8	LAT. = - 1 44 42.1 LONG. = 90 57 44.7 RAD. = 1857605.6	.9 1.1 10.9
0516	X = 42542 Y = 1856765 Z = -20897	10 11 8	LAT. = - 0 38 40.7 LONG. = 88 41 14.9 RAD. = 1857370.2	.9 1.1 11.5
0518	X = 116174 Y = 1853396 Z = 14815	11 12 8	LAT. = 0 27 25.5 LONG. = 86 24 47.9 RAD. = 1857092.8	.9 1.2 12.3
0520	X = 189627 Y = 1846423 Z = 50505	12 13 8	LAT. = 1 33 31.0 LONG. = 84 8 10.6 RAD. = 1856821.9	.9 1.3 12.7
0522	X = 262543 Y = 1835836 Z = 86059	12 13 9	LAT. = 2 39 24.9 LONG. = 81 51 40.7 RAD. = 1856510.2	1.0 1.3 12.9
0524	X = 334961 Y = 1821645 Z = 121391	12 14 9	LAT. = 3 44 59.1 LONG. = 79 34 51.3 RAD. = 1856158.4	1.0 1.3 14.4
0526	X = 406687 Y = 1803911 Z = 156499	12 14 9	LAT. = 4 50 15.0 LONG. = 77 17 42.8 RAD. = 1855796.6	1.0 1.4 13.7
0528	X = 477666 Y = 1782667 Z = 191336	13 14 9	LAT. = 5 55 8.1 LONG. = 74 59 59.9 RAD. = 1855445.3	1.0 1.5 13.7
0530	X = 547695 Y = 1757922 Z = 225757	14 15 9	LAT. = 6 59 24.5 LONG. = 72 41 42.5 RAD. = 1855053.7	1.0 1.6 14.4

EXPOSURE STATIONS
MISSION 15 - REV 22
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0532	X = 616653 Y = 1729744 Z = 259788	13 14 9	LAT. = 8 3 7.5 LONG. = 70 22 44.0 RAD. = 1854660.3	1.0 1.5 14.0
0534	X = 684376 Y = 1698186 Z = 293260	14 14 9	LAT. = 9 5 59.6 LONG. = 68 3 1.3 RAD. = 1854240.4	1.0 1.5 14.0
0536	X = 750752 Y = 1663259 Z = 326166	14 14 10	LAT. = 10 8 1.8 LONG. = 65 42 24.5 RAD. = 1853764.8	1.1 1.7 14.0
0538	X = 815718 Y = 1625082 Z = 358494	15 15 10	LAT. = 11 9 11.5 LONG. = 63 20 43.5 RAD. = 1853322.6	1.1 1.7 14.4
0540	X = 879146 Y = 1583637 Z = 390133	16 15 10	LAT. = 12 9 18.6 LONG. = 60 57 48.4 RAD. = 1852837.8	1.1 1.8 14.2
0542	X = 940804 Y = 1539088 Z = 420997	16 15 10	LAT. = 13 8 13.0 LONG. = 58 33 49.1 RAD. = 1852334.0	1.1 2.0 14.0
0544	X = 1000641 Y = 1491475 Z = 451049	15 15 10	LAT. = 14 5 50.6 LONG. = 56 8 31.4 RAD. = 1851816.8	1.1 1.8 14.0
0546	X = 1058462 Y = 1440960 Z = 480200	16 15 10	LAT. = 15 2 1.1 LONG. = 53 42 2.6 RAD. = 1851296.5	1.1 1.9 14.2
0548	X = 1114214 Y = 1387588 Z = 508411	16 15 10	LAT. = 15 56 39.3 LONG. = 51 14 9.6 RAD. = 1850771.7	1.1 1.9 14.4
0550	X = 1167660 Y = 1331555 Z = 535594	17 16 11	LAT. = 16 49 35.5 LONG. = 48 45 7.2 RAD. = 1850224.1	1.2 2.0 14.9
0552	X = 1218805 Y = 1272884 Z = 561729	17 16 11	LAT. = 17 40 46.2 LONG. = 46 14 36.1 RAD. = 1849664.3	1.2 2.1 15.4

EXPOSURE STATIONS
MISSION 15 - REV 22
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0554	X = 1267561	17	LAT. = 18 30 1.8	1.2
	Y = 1211706	16	LONG. = 43 42 33.8	2.2
	Z = 586747	11	RAD. = 1849111.7	15.3
0556	X = 1313060	18	LAT. = 19 16 33.0	1.2
	Y = 1149166	17	LONG. = 41 11 30.5	2.3
	Z = 610232	12	RAD. = 1848538.1	15.9
0558	X = 1353710	18	LAT. = 19 58 34.9	1.2
	Y = 1088105	17	LONG. = 38 47 31.7	2.3
	Z = 631335	12	RAD. = 1847995.7	15.8
0560	X = 1392072	19	LAT. = 20 38 41.8	1.2
	Y = 1025157	18	LONG. = 36 22 7.9	2.4
	Z = 651368	12	RAD. = 1847455.0	17.0
0562	X = 1428005	19	LAT. = 21 16 50.0	1.3
	Y = 960500	18	LONG. = 33 55 31.5	2.5
	Z = 670308	12	RAD. = 1846908.5	16.7
0564	X = 1461511	19	LAT. = 21 52 51.6	1.3
	Y = 894200	18	LONG. = 31 27 34.8	2.5
	Z = 688107	13	RAD. = 1846374.7	17.2
0566	X = 1492515	19	LAT. = 22 26 40.2	1.3
	Y = 826340	19	LONG. = 28 58 16.9	2.5
	Z = 704714	13	RAD. = 1845822.1	17.5
0568	X = 1520969	19	LAT. = 22 58 13.1	1.3
	Y = 757048	19	LONG. = 26 27 41.1	2.6
	Z = 720127	13	RAD. = 1845278.1	17.6
0570	X = 1546769	19	LAT. = 23 27 23.6	1.3
	Y = 686516	19	LONG. = 23 56 .6	2.6
	Z = 734297	13	RAD. = 1844720.2	17.8
0572	X = 1569972	19	LAT. = 23 54 12.1	1.3
	Y = 614599	19	LONG. = 21 22 44.1	2.6
	Z = 747244	13	RAD. = 1844158.1	18.0
0574	X = 1590430	19	LAT. = 24 18 28.7	1.3
	Y = 541744	20	LONG. = 18 48 36.9	2.6
	Z = 758905	13	RAD. = 1843608.3	18.2

EXPOSURE STATIONS
MISSION 15 - REV 22
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0576	X = 1608159	20	LAT. = 24 40 8.1	1.3
	Y = 467955	21	LONG. = 16 13 27.7	2.8
	Z = 769250	13	RAD. = 1843068.8	18.8
0578	X = 1623099	20	LAT. = 24 59 11.1	1.3
	Y = 393363	21	LONG. = 13 37 23.3	2.8
	Z = 778292	13	RAD. = 1842531.7	19.3
0580	X = 1635210	20	LAT. = 25 15 31.7	1.3
	Y = 318078	22	LONG. = 11 0 27.4	2.9
	Z = 785983	14	RAD. = 1841969.9	20.1
0582	X = 1644485	20	LAT. = 25 29 6.7	1.3
	Y = 242296	22	LONG. = 8 22 53.7	2.9
	Z = 792320	14	RAD. = 1841414.8	20.4
0584	X = 1650943	20	LAT. = 25 39 51.8	1.3
	Y = 166086	23	LONG. = 5 44 40.8	2.9
	Z = 797286	14	RAD. = 1840886.3	20.9
0586	X = 1654551	20	LAT. = 25 47 49.1	1.3
	Y = 89560	24	LONG. = 3 5 54.2	3.0
	Z = 800904	13	RAD. = 1840382.5	21.0
0588	X = 1655261	20	LAT. = 25 52 53.9	1.3
	Y = 12857	24	LONG. = 0 26 42.1	3.0
	Z = 803120	14	RAD. = 1839852.5	21.4
0590	X = 1653095	20	LAT. = 25 55 6.4	1.3
	Y = -63877	25	LONG. = - 2 12 46.3	3.0
	Z = 803957	14	RAD. = 1839334.5	21.7
0592	X = 1648059	20	LAT. = 25 54 24.7	1.3
	Y = -140534	25	LONG. = - 4 52 26.3	3.1
	Z = 803404	14	RAD. = 1838832.2	22.1
0594	X = 1640166	20	LAT. = 25 50 48.5	1.3
	Y = -216864	26	LONG. = - 7 31 55.2	3.1
	Z = 801456	14	RAD. = 1838343.5	22.7
0596	X = 1629407	20	LAT. = 25 44 18.6	1.4
	Y = -292887	27	LONG. = - 10 11 24.5	3.2
	Z = 798119	15	RAD. = 1837864.5	23.3

EXPOSURE STATIONS
MISSION 15 - REV 22
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0598	X = 1615740 Y = -368662 Z = 793387	22 28 16	LAT. = 25 34 55.1 LONG. = - 12 51 11.1 RAD. = 1837386.7	1.5 3.3 25.3

EXPOSURE STATIONS
MISSION 15 - RE 27

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0876	X = -1404712 Y = 961226 Z = -736942	23 22 18	LAT. = -23 24 38.2 LONG. = 145 36 60.0 RAD. = 1354792.0	2.0 2.8 22.4
0878	X = -1363535 Y = 1030557 Z = -721400	21 19 16	LAT. = -22 53 .3 LONG. = 142 55 5.1 RAD. = 1855180.2	1.6 2.5 19.7
0880	X = -1319711 Y = 1097774 Z = -704476	20 18 15	LAT. = -22 18 45.7 LONG. = 140 14 43.2 RAD. = 1855540.4	1.5 2.4 18.5
0882	X = -1273203 Y = 1162947 Z = -686147	19 17 14	LAT. = -21 41 53.0 LONG. = 137 35 28.8 RAD. = 1855879.5	1.5 2.3 17.8
0884	X = -1224255 Y = 1225748 Z = -666501	18 17 14	LAT. = -21 2 34.5 LONG. = 134 57 54.3 RAD. = 1856201.3	1.5 2.2 17.2
0886	X = -1172924 Y = 1286096 Z = -645554	18 16 15	LAT. = -20 20 54.5 LONG. = 132 21 53.7 RAD. = 1856484.6	1.6 2.1 16.9
0888	X = -1119285 Y = 1343950 Z = -623346	17 15 14	LAT. = -19 36 58.1 LONG. = 129 47 19.0 RAD. = 1856761.0	1.5 2.0 16.0
0890	X = -1063415 Y = 1399200 Z = -599904	17 15 14	LAT. = -18 50 50.4 LONG. = 127 14 7.5 RAD. = 1857013.0	1.5 2.0 15.9
0892	X = -1005513 Y = 1451640 Z = -575317	16 15 13	LAT. = -18 2 43.6 LONG. = 124 42 33.6 RAD. = 1857230.3	1.3 1.9 15.3
0894	X = -945601 Y = 1501287 Z = -549602	16 15 12	LAT. = -17 12 39.8 LONG. = 122 12 18.7 RAD. = 1857440.3	1.3 1.9 15.2
0896	X = -883848 Y = 1547968 Z = -522810	16 15 11	LAT. = -16 20 46.6 LONG. = 119 43 30.7 RAD. = 1857611.7	1.2 1.9 14.9

EXPOSURE STATIONS
MISSION 15 - REV 27
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0898	X = -820403	16	LAT. = -15 27 12.6	1.2
	Y = 1591597	15	LONG. = 117 16 9.3	1.8
	Z = -495012	11	RAD. = 1857762.0	15.1
0902	X = -688805	14	LAT. = -13 35 27.6	1.3
	Y = 1669423	15	LONG. = 112 25 15.9	1.7
	Z = -436603	12	RAD. = 1857968.2	14.4
0904	X = -620915	12	LAT. = -12 37 27.6	1.3
	Y = 1703490	14	LONG. = 110 1 35.8	1.4
	Z = -406090	12	RAD. = 1858042.7	14.3
0906	X = -551853	12	LAT. = -11 38 11.7	1.8
	Y = 1734208	14	LONG. = 107 39 6.8	1.4
	Z = -374782	17	RAD. = 1858085.3	13.6
0908	X = -481618	11	LAT. = -10 37 48.5	1.6
	Y = 1761572	13	LONG. = 105 17 28.1	1.2
	Z = -342763	14	RAD. = 1858111.2	13.3
0910	X = -410537	10	LAT. = - 9 36 20.7	1.3
	Y = 1785464	13	LONG. = 102 56 56.9	1.1
	Z = -310058	12	RAD. = 1858106.0	13.2
0912	X = -338613	10	LAT. = - 8 33 57.8	1.4
	Y = 1805809	13	LONG. = 100 37 12.1	1.1
	Z = -276758	13	RAD. = 1858067.9	13.2
0914	X = -266080	10	LAT. = - 7 30 47.1	1.3
	Y = 1822712	13	LONG. = 98 18 19.4	1.1
	Z = -242936	11	RAD. = 1857981.4	13.4
0916	X = -193068	10	LAT. = - 6 25 58.2	1.1
	Y = 1836034	12	LONG. = 96 0 10.3	1.1
	Z = -208695	10	RAD. = 1857915.7	12.5
0918	X = -119684	10	LAT. = - 5 22 32.1	1.1
	Y = 1845751	12	LONG. = 93 42 36.1	1.1
	Z = -174046	10	RAD. = 1857797.7	12.4
0920	X = -46090	10	LAT. = - 4 17 34.5	1.1
	Y = 1851891	12	LONG. = 91 25 52.5	1.1
	Z = -139057	10	RAD. = 1857676.3	12.1

EXPOSURE STATIONS
MISSION - REV 27
(UNUED)

FRAME NO.	CARTESIAN POSITION	DAY	SPHERICAL POSITION	STD DEV
0922	X = 27720 Y = 1854106 Z = -103726	10 12 9	LAT. = - 3 12 4.1 LONG. = 89 8 36.9 RAD. = 1857511.1	.9 1.1 11.6
0924	X = 101481 Y = 1853303 Z = -68199	11 12 9	LAT. = 2 6 15.5 LONG. = 80 51 56.8 RAD. = 1857332.3	1.0 1.2 11.6
0926	X = 175032 Y = 1848537 Z = -32562	10 12 8	LAT. = - 1 0 16.8 LONG. = 84 35 27.5 RAD. = 1857091.0	.9 1.2 11.7
0928	X = 248243 Y = 1840197 Z = 3154	11 13 8	LAT. = 0 5 50.4 LONG. = 82 19 1.8 RAD. = 1856867.8	.9 1.2 12.6
0930	X = 320917 Y = 1828220 Z = 38835	13 13 8	LAT. = 1 11 54.9 LONG. = 80 2 38.4 RAD. = 1856578.3	.9 1.5 13.0
0932	X = 392912 Y = 1812691 Z = 74406	12 13 8	LAT. = 2 17 50.1 LONG. = 77 46 11.9 RAD. = 1856276.7	.9 1.3 13.0
0934	X = 464150 Y = 1793618 Z = 109818	12 14 9	LAT. = 3 23 31.9 LONG. = 75 29 28.8 RAD. = 1855953.3	.9 1.3 13.6
0936	X = 534481 Y = 1771069 Z = 145055	13 13 9	LAT. = 4 29 .2 LONG. = 73 12 25.2 RAD. = 1855639.1	1.0 1.5 13.1
0938	X = 603775 Y = 1745024 Z = 179991	17 14 10	LAT. = 5 34 2.5 LONG. = 70 54 52.1 RAD. = 1855276.5	1.1 1.9 13.6
0940	X = 671890 Y = 1715581 Z = 214600	13 14 9	LAT. = 6 38 36.9 LONG. = 68 36 45.8 RAD. = 1854914.5	1.0 1.5 13.5
0942	X = 738758 Y = 1682711 Z = 248797	14 14 9	LAT. = 7 42 35.8 LONG. = 66 17 49.7 RAD. = 1854502.3	1.0 1.5 13.0

EXPOSURE STATIONS
MISSION 15 - REV 27
(CONTINUED)

FRAME NO.	CARTESIA. POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0944	X = 804073	15	LAT. = 8 45 49.0	1.1
	Y = 1646609	15	LONG. = 63 58 22.0	1.7
	Z = 282486	10	RAD. = 1854090.6	14.3
0946	X = 867832	15	LAT. = 9 48 2.7	1.1
	Y = 1607279	15	LONG. = 61 38 1.3	1.7
	Z = 315625	10	RAD. = 1853671.2	14.6
0948	X = 929948	15	LAT. = 10 49 43.8	1.1
	Y = 1564720	15	LONG. = 59 16 33.1	1.8
	Z = 348172	10	RAD. = 1853207.5	14.2
0950	X = 990253	15	LAT. = 11 50 14.1	1.1
	Y = 1519068	15	LONG. = 56 54 1.4	1.8
	Z = 380056	10	RAD. = 1852731.1	14.5
0952	X = 1048617	16	LAT. = 12 49 37.0	1.1
	Y = 1470420	15	LONG. = 54 30 20.8	1.9
	Z = 411213	10	RAD. = 1852249.5	14.3
0954	X = 1104870	16	LAT. = 13 47 41.6	1.1
	Y = 1418879	15	LONG. = 52 5 32.6	1.9
	Z = 441540	10	RAD. = 1851732.3	14.2
0956	X = 1158898	16	LAT. = 14 44 18.2	1.1
	Y = 1364614	15	LONG. = 49 39 37.5	2.0
	Z = 470962	10	RAD. = 1851221.7	14.6
0958	X = 1210632	17	LAT. = 15 39 28.4	1.1
	Y = 1307624	16	LONG. = 47 12 20.5	2.1
	Z = 499484	11	RAD. = 1850673.8	15.0
0960	X = 1259969	17	LAT. = 16 32 58.7	1.1
	Y = 1248132	17	LONG. = 44 43 46.5	2.2
	Z = 527011	11	RAD. = 1850160.4	15.4
0962	X = 1300813	18	LAT. = 17 24 46.1	1.2
	Y = 1186121	17	LONG. = 42 13 41.8	2.3
	Z = 553499	11	RAD. = 1849596.2	15.3
0964	X = 1351152	18	LAT. = 18 14 45.6	1.2
	Y = 1121627	17	LONG. = 39 41 55.3	2.3
	Z = 58952	11	RAD. = 1849043.0	16.7

EXPOSURE STATIONS
MISSION 15 - REV 27
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0976	X = 1548010	20	LAT. = 22 15 44.6	1.3
	Y = 722138	19	LONG. = 25 0 31.6	2.6
	Z = 699259	13	RAD. = 1845746.4	18.7
0978	X = 1571438	19	LAT. = 22 48 8.7	1.2
	Y = 651095	19	LONG. = 22 30 20.6	2.5
	Z = 715111	12	RAD. = 1845189.9	17.9
0980	X = 1592177	19	LAT. = 23 18 11.9	1.2
	Y = 578879	20	LONG. = 19 58 48.3	2.7
	Z = 729730	13	RAD. = 1844623.6	18.1
0982	X = 1610151	19	LAT. = 23 45 50.4	1.2
	Y = 505737	20	LONG. = 17 26 13.7	2.7
	Z = 743101	13	RAD. = 1844059.9	18.5
0984	X = 1625379	20	LAT. = 24 11 .7	1.3
	Y = 431662	21	LONG. = 14 52 23.0	2.7
	Z = 755214	13	RAD. = 1843512.2	19.3
0986	X = 1637789	20	LAT. = 24 33 37.3	1.3
	Y = 356815	22	LONG. = 12 17 26.3	2.8
	Z = 766025	14	RAD. = 1842949.5	19.7
0988	X = 1647346	20	LAT. = 24 53 37.8	1.3
	Y = 281375	22	LONG. = 9 41 34.3	2.9
	Z = 775528	14	RAD. = 1842380.0	20.2
0990	X = 1654049	20	LAT. = 25 10 57.1	1.3
	Y = 205465	23	LONG. = 7 4 51.6	2.9
	Z = 783698	13	RAD. = 1841813.4	20.6
0992	X = 1657891	20	LAT. = 25 25 30.1	1.3
	Y = 129187	24	LONG. = 4 27 20.3	3.0
	Z = 790501	14	RAD. = 1841245.0	20.8
0994	X = 1658872	20	LAT. = 25 37 16.8	1.3
	Y = 52677	24	LONG. = 1 49 7.7	3.0
	Z = 795959	13	RAD. = 1840701.4	21.1
0996	X = 1656974	20	LAT. = 25 46 12.1	1.3
	Y = -23820	25	LONG. = 0 49 25.0	3.1
	Z = 800026	14	RAD. = 1840155.0	21.6

EXPOSURE STATIONS
MISSION 15 - REV 27
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0998	X = 1652206	20	LAT. = 25 52 17.1	1.3
	Y = -100224	25	LONG. = - 3 28 16.9	3.1
	Z = 802722	14	RAD. = 1839617.7	22.0
1000	X = 1644550	20	LAT. = 25 55 29.5	1.3
	Y = -176751	25	LONG. = - 6 8 3.9	3.1
	Z = 804036	14	RAD. = 1839092.4	22.2
1002	X = 1634057	20	LAT. = 25 55 48.0	1.3
	Y = -252680	26	LONG. = - 8 47 25.5	3.1
	Z = 803957	14	RAD. = 1838570.1	22.8
1004	X = 1620662	20	LAT. = 25 53 12.8	1.3
	Y = -328484	27	LONG. = - 11 27 28.0	3.2
	Z = 802485	14	RAD. = 1838050.2	23.3
1006	X = 1604500	21	LAT. = 25 47 42.9	1.3
	Y = -403481	27	LONG. = - 14 6 55.4	3.2
	Z = 799625	14	RAD. = 1837557.1	23.9
1008	X = 1585528	21	LAT. = 25 39 19.4	1.4
	Y = -477778	28	LONG. = - 16 46 10.1	3.3
	Z = 795368	15	RAD. = 1837058.0	24.4
1010	X = 1563696	22	LAT. = 25 27 60.0	1.6
	Y = -551639	29	LONG. = - 19 25 54.4	3.4
	Z = 789711	16	RAD. = 1836598.3	25.8

EXPOSURE STATIONS
MISSION 15 - REV 33

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1024	X = -1250986 Y = 1163122 Z = -721682	19 18 15	LAT. = -22 54 12.9 LONG. = 137 5 3.9 RAD. = 1854358.5	1.5 2.3 18.8
1026	X = -1200612 Y = 1225553 Z = -704761	18 17 14	LAT. = -22 19 55.5 LONG. = 134 24 39.7 RAD. = 1854761.1	1.5 2.2 16.8
1028	X = -1147755 Y = 1285685 Z = -686451	17 16 14	LAT. = -21 43 2.2 LONG. = 131 45 21.1 RAD. = 1855139.6	1.5 2.1 16.4
1030	X = -1092590 Y = 1343348 Z = -666761	17 16 14	LAT. = -21 3 35.2 LONG. = 129 7 21.4 RAD. = 1855507.8	1.5 2.0 15.9
1032	X = -1035341 Y = 1395284 Z = -645782	16 16 15	LAT. = -20 21 47.9 LONG. = 126 31 3.4 RAD. = 1855845.7	1.7 1.9 15.7
1034	X = -976075 Y = 1450433 Z = -623566	16 15 13	LAT. = -19 37 48.1 LONG. = 123 56 19.5 RAD. = 1856155.5	1.4 1.8 15.4
1036	X = -914865 Y = 1499765 Z = -600099	15 15 13	LAT. = -18 51 34.8 LONG. = 121 23 .3 RAD. = 1856446.0	1.4 1.8 15.8
1038	X = -851865 Y = 1546168 Z = -575480	15 15 13	LAT. = -18 3 20.4 LONG. = 118 51 9.6 RAD. = 1856741.1	1.4 1.8 15.4
1040	X = -787248 Y = 1589480 Z = -549755	16 15 13	LAT. = -17 13 12.8 LONG. = 116 20 54.9 RAD. = 1856996.9	1.4 1.8 15.5
1042	X = -721073 Y = 1629677 Z = -522972	15 15 11	LAT. = -16 21 17.9 LONG. = 113 52 3.5 RAD. = 1857227.5	1.2 1.7 14.8
1044	X = -653452 Y = 1666711 Z = -495128	14 14 11	LAT. = -15 27 35.8 LONG. = 111 24 29.5 RAD. = 1857437.7	1.1 1.6 14.5

EXPOSURE STATIONS
MISSION 15 - REV 33
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1046	X = -584560 Y = 1700429 Z = -466341	23 17 21	LAT. = -14 32 21.9 LONG. = 108 58 17.5 RAD. = 1857591.1	2.3 2.8 14.8
1048	X = -514543 Y = 1730834 Z = -436620	12 14 11	LAT. = -13 35 35.9 LONG. = 106 33 22.2 RAD. = 1857734.8	1.2 1.4 14.1
1050	X = -443506 Y = 1757841 Z = -406085	11 14 12	LAT. = -12 37 31.9 LONG. = 104 9 37.0 RAD. = 1857850.0	1.3 1.3 14.0
1052	X = -371660 Y = 1781413 Z = -374770	10 14 13	LAT. = -11 38 13.2 LONG. = 101 47 4.9 RAD. = 1857960.4	1.4 1.2 14.3
1054	X = -299062 Y = 1801468 Z = -342706	9 13 15	LAT. = -10 37 44.4 LONG. = 99 25 32.5 RAD. = 1858002.1	1.6 1.1 13.2
1056	X = -225793 Y = 1818074 Z = -309965	9 14 18	LAT. = - 9 36 10.8 LONG. = 97 4 46.2 RAD. = 1858078.4	2.0 1.1 13.7
1058	X = -152196 Y = 1831079 Z = -276657	9 12 15	LAT. = - 8 33 45.8 LONG. = 94 45 5.0 RAD. = 1858104.5	1.4 1.0 12.4
1060	X = -78313 Y = 1840494 Z = -242821	9 12 10	LAT. = - 7 30 32.6 LONG. = 92 26 11.3 RAD. = 1858093.9	1.1 1.0 12.5
1062	X = -4331 Y = 1846296 Z = -208544	9 12 10	LAT. = - 6 26 39.7 LONG. = 90 8 3.8 RAD. = 1858041.5	1.1 1.0 12.3
1064	X = 69759 Y = 1848540 Z = -173821	9 12 9	LAT. = - 5 22 4.9 LONG. = 87 50 19.9 RAD. = 1858004.8	1.0 1.0 12.0
1066	X = 143769 Y = 1847135 Z = -138737	11 12 10	LAT. = - 4 16 57.0 LONG. = 85 32 58.0 RAD. = 1857909.0	1.1 1.3 12.3

EXPOSURE STATIONS
MISSION 15 - REV 33
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1068	X = 217444	11	LAT. = - 3 11 27.4	1.0
	Y = 1842126	12	LONG. = 83 16 4.7	1.2
	Z = -103412	9	RAD. = 1857795.7	12.2
1070	X = 290692	11	LAT. = - 2 5 37.3	.9
	Y = 1833525	13	LONG. = 80 59 28.1	1.2
	Z = -67868	8	RAD. = 1857665.3	12.6
1072	X = 363282	11	LAT. = - 0 59 38.9	1.0
	Y = 1821325	14	LONG. = 78 43 11.2	1.3
	Z = -32228	9	RAD. = 1857481.1	13.7
1074	X = 435155	12	LAT. = 0 6 22.7	.9
	Y = 1805592	13	LONG. = 75 26 59.5	1.3
	Z = 3446	9	RAD. = 1857292.7	13.4
1076	X = 506146	12	LAT. = 1 12 26.1	.9
	Y = 1786321	13	LONG. = 74 10 48.6	1.3
	Z = 39127	8	RAD. = 1857056.0	13.3
1078	X = 576153	13	LAT. = 2 18 19.1	1.0
	Y = 1763602	14	LONG. = 71 54 29.7	1.5
	Z = 74690	9	RAD. = 1856831.5	13.4
1080	X = 645078	13	LAT. = 3 24 3.9	1.0
	Y = 1737432	15	LONG. = 69 37 51.4	1.5
	Z = 110143	9	RAD. = 1856589.9	14.4
1082	X = 712697	14	LAT. = 4 29 30.1	1.0
	Y = 1707859	14	LONG. = 67 20 56.4	1.6
	Z = 145376	9	RAD. = 1856301.0	13.8
1084	X = 778963	14	LAT. = 5 34 37.0	1.0
	Y = 1674922	14	LONG. = 65 3 29.1	1.6
	Z = 180369	9	RAD. = 1855985.2	13.8
1086	X = 843669	15	LAT. = 6 39 6.6	1.1
	Y = 1638737	15	LONG. = 62 45 33.5	1.7
	Z = 214950	10	RAD. = 1855651.2	14.9
1088	X = 906678	16	LAT. = 7 43 .2	1.1
	Y = 1599339	15	LONG. = 60 27 2.7	1.8
	Z = 249116	10	RAD. = 1855265.1	14.2

EXPOSURE STATIONS
MISSION 15 - REV 33
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1090	X = 967971 Y = 1556805 Z = 282000	16 15 10	LAT. = 8 46 13.2 LONG. = 58 7 40.7 RAD. = 1854885.2	1.1 1.8 14.3
1092	X = 1027382 Y = 1511233 Z = 315000	17 16 10	LAT. = 9 48 38.6 LONG. = 55 47 25.8 RAD. = 1854485.1	1.1 2.0 14.9
1094	X = 1084706 Y = 1462722 Z = 348480	16 15 10	LAT. = 10 50 0.8 LONG. = 53 26 26.2 RAD. = 1854072.9	1.1 1.9 14.7
1096	X = 1139966 Y = 1411318 Z = 380345	16 15 10	LAT. = 11 50 25.7 LONG. = 51 4 15.9 RAD. = 1853646.5	1.1 2.0 14.7
1098	X = 1192937 Y = 1357177 Z = 411432	17 16 10	LAT. = 12 49 38.3 LONG. = 48 41 6.1 RAD. = 1853187.6	1.1 2.0 15.5
1100	X = 1243603 Y = 1300357 Z = 441730	17 16 10	LAT. = 13 47 36.2 LONG. = 46 16 40.8 RAD. = 1852728.2	1.1 2.1 14.8
1102	X = 1291828 Y = 1240955 Z = 471173	18 16 11	LAT. = 14 44 12.7 LONG. = 43 50 57.5 RAD. = 1852240.4	1.1 2.2 15.3
1104	X = 1337506 Y = 1179109 Z = 499706	18 17 11	LAT. = 15 30 20.9 LONG. = 41 23 54.7 RAD. = 1851736.2	1.1 2.2 15.6
1106	X = 1380589 Y = 1114886 Z = 527291	18 17 11	LAT. = 16 32 56.0 LONG. = 38 55 20.6 RAD. = 1851224.7	1.2 2.2 15.9
1108	X = 1420787 Y = 1048742 Z = 553711	19 17 12	LAT. = 17 24 32.2 LONG. = 36 25 57.3 RAD. = 1850700.3	1.2 2.3 16.7
1110	X = 1455750 Y = 985238 Z = 577381	20 19 12	LAT. = 18 11 0.9 LONG. = 34 5 23.2 RAD. = 1850208.6	1.2 2.5 17.5

EXPOSURE STATIONS
MISSION 15 - REV 33
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1112	X = 1488215 Y = 920084 Z = 600070	19 19 12	LAT. = 18 55 48.1 LONG. = 31 43 34.7 RAD. = 1849708.6	1.2 2.5 17.1
1113	X = 1503488 Y = 886900 Z = 611021	20 19 12	LAT. = 19 17 31.1 LONG. = 30 32 10.1 RAD. = 1849436.8	1.2 2.5 17.9
1115	X = 1532132 Y = 819458 Z = 632154	19 19 12	LAT. = 19 59 34.0 LONG. = 28 8 24.1 RAD. = 1848934.0	1.2 2.5 17.7
1116	X = 1545450 Y = 785214 Z = 642310	1 19 12	LAT. = 20 19 52.4 LONG. = 26 56 3.4 RAD. = 1848658.5	1.2 2.5 17.6
1118	X = 1570165 Y = 715633 Z = 661840	20 20 12	LAT. = 20 59 3.8 LONG. = 24 30 7.4 RAD. = 1848129.0	1.2 2.7 17.9
1120	X = 1592174 Y = 644846 Z = 680239	19 19 12	LAT. = 21 36 11.8 LONG. = 22 2 54.3 RAD. = 1847584.9	1.2 2.6 17.9
1122	X = 1611448 Y = 572955 Z = 697467	19 20 12	LAT. = 22 11 10.0 LONG. = 19 34 22.8 RAD. = 1847025.3	1.2 2.6 18.1
1124	X = 1627963 Y = 500110 Z = 713506	19 20 12	LAT. = 22 43 53.9 LONG. = 17 4 37.0 RAD. = 1846473.6	1.2 2.6 18.6
1126	X = 1641689 Y = 426377 Z = 728339	20 20 13	LAT. = 23 14 20.3 LONG. = 14 33 32.9 RAD. = 1845919.0	1.2 2.7 19.6
1128	X = 1652612 Y = 351908 Z = 741923	20 22 13	LAT. = 23 42 21.7 LONG. = 12 1 15.7 RAD. = 1845376.6	1.3 2.8 19.8
1130	X = 1660660 Y = 276813 Z = 754261	20 23 13	LAT. = 24 7 58.7 LONG. = 9 27 48.8 RAD. = 1844810.6	1.3 2.9 20.5

EXPOSURE STATIONS
MISSION 15 - REV 33
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1132	X = 1665823 Y = 201248 Z = 765290	20 23 13	LAT. = 24 31 2.2 LONG. = 6 53 18.6 RAD. = 1844216.7	1.3 2.9 20.7
1134	X = 1668141 Y = 125477 Z = 775006	20 23 13	LAT. = 24 51 27.1 LONG. = 4 18 6.1 RAD. = 1843657.2	1.2 2.9 20.8
1136	X = 1667590 Y = 49419 Z = 783385	20 24 13	LAT. = 25 9 11.1 LONG. = 1 41 50.9 RAD. = 1843092.8	1.3 3.0 21.2
1138	X = 1664146 Y = -26774 Z = 790434	20 24 13	LAT. = 25 24 13.9 LONG. = - 0 55 18.2 RAD. = 1842521.0	1.3 3.0 21.5
1140	X = 1657836 Y = -102903 Z = 796122	20 25 13	LAT. = 25 36 29.4 LONG. = - 3 33 6.6 RAD. = 1841960.7	1.3 3.0 21.9
1142	X = 1648661 Y = -178856 Z = 800438	20 25 14	LAT. = 25 45 55.7 LONG. = - 6 11 29.6 RAD. = 1841405.0	1.3 3.1 22.5
1144	X = 1636635 Y = -254469 Z = 803375	20 26 14	LAT. = 25 52 31.2 LONG. = - 8 50 16.0 RAD. = 1840853.6	1.3 3.2 23.0
1146	X = 621765 Y = -329709 Z = 804948	20 27 14	LAT. = 25 56 16.3 LONG. = - 11 29 30.3 RAD. = 1840318.5	1.3 3.2 23.4
1148	X = 1604062 Y = -404363 Z = 805118	21 28 14	LAT. = 25 57 7.6 LONG. = - 14 8 55.4 RAD. = 1839765.6	1.3 3.3 23.9
1150	X = 1583551 Y = -478473 Z = 803885	21 26 14	LAT. = 25 55 2.7 LONG. = - 16 48 44.2 RAD. = 1839239.0	1.3 3.3 24.4
1152	X = 1560375 Y = -551431 Z = 801267	21 29 14	LAT. = 25 50 4.6 LONG. = - 19 27 47.6 RAD. = 1838715.8	1.3 3.3 24.9

EXPOSURE STATIONS
MISSION 15 - REV 33
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1154	X = 1534348	21	LAT. = 25 42 11.6	1.5
	Y = -623841	30	LONG. = - 22 7 33.1	3.4
	Z = 797248	15	RAD. = 1838207.2	25.6
1156	X = 1505616	22	LAT. = 25 31 24.6	1.4
	Y = -695177	30	LONG. = - 24 47 1.8	3.4
	Z = 791831	15	RAD. = 1837701.2	26.6

EXPOSURE STATIONS
MISSION 15 - REV 38

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1568	X = -1194422	18	LAT. = -23 24 6.0	1.6
	Y = 1209505	18	LONG. = 134 38 25.8	2.3
	Z = -735657	15	RAD. = 1852225.1	17.5
1570	X = -1140818	17	LAT. = -22 52 7.8	1.4
	Y = 1269871	16	LONG. = 131 56 8.4	2.2
	Z = -719995	14	RAD. = 1852681.6	16.6
1572	X = -1084976	17	LAT. = -22 17 27.6	1.4
	Y = 1327690	16	LONG. = 129 15 19.4	2.1
	Z = -702903	14	RAD. = 1853107.0	15.8
1574	X = -1026945	16	LAT. = -21 40 12.6	1.5
	Y = 1382932	16	LONG. = 126 35 49.3	2.0
	Z = -684440	14	RAD. = 1853530.9	15.7
1576	X = -966957	15	LAT. = -21 0 30.9	1.4
	Y = 1435376	15	LONG. = 123 57 59.8	1.8
	Z = -664649	13	RAD. = 1853932.9	15.1
1578	X = -905010	15	LAT. = -20 18 26.7	1.4
	Y = 1485022	15	LONG. = 121 21 33.1	1.8
	Z = -643554	14	RAD. = 1854317.6	15.2
1580	X = -841357	15	LAT. = -19 34 7.9	1.5
	Y = 1531695	14	LONG. = 118 46 47.6	1.7
	Z = -621209	14	RAD. = 1854688.5	14.7
1582	X = -775993	14	LAT. = -18 47 36.1	1.4
	Y = 1575378	14	LONG. = 116 13 25.5	1.6
	Z = -597607	13	RAD. = 1855024.6	14.6
1584	X = -709106	14	LAT. = -17 59 5.7	1.3
	Y = 1615942	14	LONG. = 113 41 33.9	1.6
	Z = -572866	12	RAD. = 1855337.3	14.2
1586	X = -640826	14	LAT. = -17 8 39.2	1.3
	Y = 1653337	14	LONG. = 111 11 10.0	1.6
	Z = -547001	12	RAD. = 1855637.5	14.2
1588	X = -571273	14	LAT. = -16 16 23.8	1.2
	Y = 1687468	14	LONG. = 108 42 10.6	1.6
	Z = -520058	11	RAD. = 1855899.6	14.2

EXPOSURE STATIONS
MISSION 15 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1590	X = -500678 Y = 1718265 Z = -492131	13 14 10	LAT. = -15 22 29.9 LONG. = 106 14 43.3 RAD. = 1856153.8	1.1 1.5 14.1
1592	X = -429062 Y = 1745696 Z = -463237	14 14 11	LAT. = -14 27 .7 LONG. = 103 48 31.0 RAD. = 1856377.7	1.2 1.6 14.2
1594	X = -356629 Y = 1769690 Z = -433458	13 15 12	LAT. = -13 30 5.6 LONG. = 101 23 37.2 RAD. = 1856575.1	1.3 1.5 15.3
1596	X = -283472 Y = 1790224 Z = -402798	11 14 12	LAT. = -12 31 45.2 LONG. = 98 59 51.9 RAD. = 1856745.7	1.4 1.3 14.3
1598	X = -209734 Y = 1807254 Z = -371347	10 14 14	LAT. = -11 32 9.4 LONG. = 96 37 10.7 RAD. = 1856893.4	1.6 1.1 14.1
1600	X = -135615 Y = 1820749 Z = -339191	9 13 14	LAT. = -10 31 27.4 LONG. = 94 15 35.0 RAD. = 1857031.9	1.5 1.0 13.3
1602	X = -61296 Y = 1830658 Z = -306409	9 14 14	LAT. = - 9 29 48.0 LONG. = 91 55 3.8 RAD. = 1857135.3	1.6 1.0 14.3
1604	X = 13291 Y = 1837015 Z = -272967	9 13 12	LAT. = - 8 27 6.0 LONG. = 89 35 7.7 RAD. = 1857231.8	1.4 1.0 13.1
1606	X = 87767 Y = 1839707 Z = -239028	9 13 11	LAT. = - 7 23 40.2 LONG. = 87 16 7.2 RAD. = 1857245.1	1.2 1.0 12.5
1608	X = 162115 Y = 1838826 Z = -204587	10 13 11	LAT. = - 6 19 27.4 LONG. = 84 57 42.1 RAD. = 1857260.8	1.2 1.1 13.4
1610	X = 236078 Y = 1834350 Z = -169738	10 13 10	LAT. = - 5 14 42.9 LONG. = 82 39 59.1 RAD. = 1857256.1	1.1 1.2 12.8

EXPOSURE STATIONS
MISSION 15 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1612	X = 309660	13	LAT. = - 4 9 27.4	1.2
	Y = 1826246	13	LONG. = 80 22 35.0	1.5
	Z = -134647	11	RAD. = 1857200.6	12.7
1614	X = 382519	12	LAT. = - 3 3 52.5	1.1
	Y = 1814614	13	LONG. = 78 5 46.9	1.3
	Z = -99286	10	RAD. = 1857149.5	13.2
1616	X = 454626	11	LAT. = - 1 58 .7	1.0
	Y = 1799417	13	LONG. = 75 49 15.1	1.3
	Z = -63737	9	RAD. = 1857053.5	13.1
1618	X = 525823	12	LAT. = - 0 51 59.5	1.0
	Y = 1780704	14	LONG. = 73 32 55.3	1.4
	Z = -28083	9	RAD. = 1856929.3	13.4
1620	X = 595987	13	LAT. = 0 14 9.8	1.0
	Y = 1758512	14	LONG. = 71 16 39.6	1.5
	Z = 7649	9	RAD. = 1856777.9	13.7
1622	X = 665018	13	LAT. = 1 20 16.3	1.0
	Y = 1732897	14	LONG. = 69 0 18.6	1.5
	Z = 43349	9	RAD. = 1856626.3	13.6
1624	X = 732675	14	LAT. = 2 26 16.3	1.0
	Y = 1703892	14	LONG. = 66 43 56.1	1.6
	Z = 78965	9	RAD. = 1856420.7	14.2
1626	X = 799003	14	LAT. = 3 32 8.0	1.0
	Y = 1671518	14	LONG. = 64 27 6.2	1.6
	Z = 114468	9	RAD. = 1856200.9	14.2
1628	X = 853708	15	LAT. = 4 37 35.3	1.1
	Y = 1635929	16	LONG. = 62 10 3.5	1.7
	Z = 149702	10	RAD. = 1855981.0	15.5
1630	X = 926714	16	LAT. = 5 42 39.9	1.1
	Y = 1597110	15	LONG. = 59 52 32.9	1.8
	Z = 184666	10	RAD. = 1855710.7	14.8
1632	X = 987926	16	LAT. = 6 47 13.7	1.1
	Y = 1555163	16	LONG. = 57 34 26.4	1.9
	Z = 219277	10	RAD. = 1855427.8	15.5

EXPOSURE STATIONS
MISSION 15 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1634	X = 1047224	16	LAT. = 7 51 8.7	1.1
	Y = 1510186	17	LONG. = 55 15 39.6	1.9
	Z = 253454	10	RAD. = 1855149.2	16.0
1636	X = 1104436	17	LAT. = 8 54 21.8	1.1
	Y = 1462206	16	LONG. = 52 56 7.7	1.9
	Z = 287151	10	RAD. = 1854799.3	15.1
1638	X = 1159473	17	LAT. = 9 56 0.4	1.1
	Y = 1411383	15	LONG. = 50 35 47.0	2.0
	Z = 320253	10	RAD. = 1854438.4	14.8
1640	X = 1212256	17	LAT. = 10 58 4.2	1.1
	Y = 1357793	16	LONG. = 48 14 27.9	2.0
	Z = 352753	10	RAD. = 1854077.0	14.9
1642	X = 1262633	17	LAT. = 11 58 22.7	1.1
	Y = 1301559	16	LONG. = 45 52 11.0	2.0
	Z = 384549	10	RAD. = 1853692.1	15.1
1644	X = 1310568	18	LAT. = 12 57 37.3	1.1
	Y = 1242700	16	LONG. = 43 28 38.6	2.2
	Z = 415649	10	RAD. = 1853282.2	15.3
1646	X = 1355967	18	LAT. = 13 55 30.4	1.1
	Y = 1181384	17	LONG. = 41 3 50.2	2.2
	Z = 445900	11	RAD. = 1852873.0	15.4
1648	X = 1398684	19	LAT. = 14 52 5.2	1.1
	Y = 1117696	18	LONG. = 38 37 42.7	2.4
	Z = 475323	11	RAD. = 1852429.2	15.8
1650	X = 1438656	19	LAT. = 15 47 9.4	1.2
	Y = 1051800	18	LONG. = 36 10 13.8	2.5
	Z = 503822	11	RAD. = 1851986.2	14.4
1652	X = 1475732	20	LAT. = 16 40 33.2	1.2
	Y = 983831	19	LONG. = 33 41 25.1	2.5
	Z = 531296	12	RAD. = 1851481.8	17.7
1654	X = 1509938	20	LAT. = 17 32 15.3	1.2
	Y = 913949	19	LONG. = 31 11 9.8	2.5
	Z = 557774	12	RAD. = 1851033.8	17.8

EXPOSURE STATIONS
MISSION 15 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1656	X = 1541131	20	LAT. = 18 21 59.9	1.2
	Y = 842189	19	LONG. = 28 39 19.7	2.5
	Z = 583086	12	RAD. = 1850501.5	17.9
1658	X = 1569285	19	LAT. = 19 9 50.6	1.2
	Y = 768719	19	LONG. = 26 5 53.0	2.5
	Z = 607298	12	RAD. = 1849972.2	17.5
1660	X = 1594325	20	LAT. = 19 55 34.4	1.2
	Y = 6937	20	LONG. = 23 30 54.3	2.6
	Z = 630306	12	RAD. = 1849438.5	18.2
1662	X = 1616171	19	LAT. = 20 39 3.9	1.2
	Y = 617408	20	LONG. = 20 54 28.0	2.6
	Z = 652058	12	RAD. = 1848886.3	18.0
1664	X = 1634110	19	LAT. = 21 18 37.9	1.2
	Y = 542979	20	LONG. = 18 22 48.7	2.6
	Z = 671739	12	RAD. = 1848370.1	18.3
1665	X = 1641742	19	LAT. = 21 36 57.3	1.2
	Y = 506625	20	LONG. = 17 8 58.9	2.6
	Z = 680809	12	RAD. = 1848103.4	18.5
1666	X = 1642632	20	LAT. = 21 54 43.9	1.2
	Y = 470102	21	LONG. = 15 54 55.2	2.7
	Z = 689587	13	RAD. = 1847839.8	19.0
1668	X = 1660291	20	LAT. = 22 28 38.3	1.2
	Y = 396390	22	LONG. = 13 25 40.3	2.8
	Z = 706251	13	RAD. = 1847789.9	19.4
1670	X = 1669101	21	LAT. = 23 0 18.3	1.2
	Y = 321988	22	LONG. = 10 55 7.8	2.8
	Z = 721732	13	RAD. = 1846746.3	20.6
1672	X = 1675041	20	LAT. = 23 29 34.3	1.2
	Y = 247052	22	LONG. = 8 23 24.2	2.9
	Z = 735957	13	RAD. = 1846193.3	20.6
1674	X = 1673088	21	LAT. = 23 56 25.9	1.3
	Y = 171799	23	LONG. = 5 50 43.7	2.9
	Z = 748941	14	RAD. = 1845645.3	21.3

EXPOSURE STATIONS
MISSION 15 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1676	X = 1678272	20	LAT. = 24 20 45.3	1.2
	Y = 96158	24	LONG. = 3 16 45.3	3.0
	Z = 760634	13	RAD. = 1845103.7	21.2
1678	X = 1675535	20	LAT. = 24 42 31.0	1.3
	Y = 20356	25	LONG. = 0 41 45.7	3.1
	Z = 771022	13	RAD. = 1844534.0	21.4
1680	X = 1669925	20	LAT. = 25 1 36.4	1.2
	Y = -55436	25	LONG. = - 1 54 4.7	3.0
	Z = 780079	13	RAD. = 1843976.0	21.8
1682	X = 1661429	20	LAT. = 25 18 .8	1.3
	Y = -131220	26	LONG. = - 4 30 57.1	3.1
	Z = 787807	14	RAD. = 1843422.1	22.1
1684	X = 1650047	20	LAT. = 25 31 42.6	1.3
	Y = -206721	27	LONG. = - 7 8 27.3	3.2
	Z = 794200	14	RAD. = 1842862.7	22.7
1686	X = 1635809	20	LAT. = 25 42 34.7	1.3
	Y = -281900	27	LONG. = - 9 46 40.0	3.2
	Z = 799210	14	RAD. = 1842302.1	23.2
1688	X = 1618723	21	LAT. = 25 50 36.8	1.3
	Y = -356688	27	LONG. = - 12 25 35.8	3.2
	Z = 802848	14	RAD. = 1841753.3	23.6
1690	X = 1598843	21	LAT. = 25 55 46.3	1.3
	Y = -430736	28	LONG. = - 15 4 40.0	3.3
	Z = 805092	14	RAD. = 1841196.8	24.3
1692	X = 1576218	21	LAT. = 25 58 1.6	1.3
	Y = -503979	28	LONG. = - 17 43 52.1	3.3
	Z = 805939	14	RAD. = 1840650.5	24.7
1694	X = 1550824	21	LAT. = 25 57 24.5	1.3
	Y = -576423	29	LONG. = - 20 23 22.2	3.3
	Z = 805403	14	RAD. = 1840106.9	25.1
1696	X = 1522709	21	LAT. = 25 53 54.7	1.3
	Y = -647917	29	LONG. = - 23 2 59.7	3.3
	Z = 803486	14	RAD. = 1839572.7	25.7

EXPOSURE STATIONS
MISSION 15 - REV 38
(CONTINUED)

FFAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1698	X = 1491903	22	LAT. = 25 47 27.8	1.4
	Y = -718375	30	LONG. = - 25 42 41.6	3.4
	Z = 800150	14	RAD. = 1839042.4	26.4
1700	X = 1455566	22	LAT. = 25 38 12.4	1.6
	Y = -787390	32	LONG. = - 28 21 42.8	3.6
	Z = 795463	16	RAD. = 1838521.3	27.1
1702	X = 1422709	23	LAT. = 25 26 5.5	1.7
	Y = -855009	33	LONG. = - 31 0 16.9	3.7
	Z = 789398	18	RAD. = 1838012.5	29.2

EXPOSURE STATIONS
MISSION 15 - REV 44

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1714	X = -1020575 Y = 1363477 Z = -724296	16 16 14	LAT. = -23 2 19.6 LONG. = 126 48 54.7 RAD. = 1850742.4	1.4 2.0 16.1
1716	X = -964160 Y = 1412364 Z = -708907	15 15 13	LAT. = -22 30 58.5 LONG. = 124 19 10.8 RAD. = 1851196.0	1.4 1.9 15.6
1718	X = -906083 Y = 1458868 Z = -692287	15 15 14	LAT. = -21 57 18.2 LONG. = 121 50 37.9 RAD. = 1851633.0	1.5 1.8 15.4
1720	X = -846392 Y = 1502931 Z = -674471	14 15 14	LAT. = -21 21 24.6 LONG. = 119 23 11.5 RAD. = 1852050.6	1.5 1.7 15.1
1722	X = -785318 Y = 1544410 Z = -655562	14 15 13	LAT. = -20 43 30.0 LONG. = 116 57 10.4 RAD. = 1852481.8	1.4 1.6 14.9
1724	X = -722944 Y = 1583239 Z = -635530	13 14 13	LAT. = -20 3 33.9 LONG. = 114 32 33.2 RAD. = 1852887.4	1.4 1.6 14.8
1726	X = -659327 Y = 1619385 Z = -614446	13 14 14	LAT. = -19 21 45.1 LONG. = 112 9 12.7 RAD. = 1853284.9	1.5 1.5 14.7
1728	X = -594533 Y = 1652791 Z = -592299	14 14 18	LAT. = -18 38 4.7 LONG. = 109 47 3.8 RAD. = 1853646.2	2.0 1.5 14.8
1730	X = -528790 Y = 1683380 Z = -569137	13 14 14	LAT. = -17 52 38.0 LONG. = 107 26 19.5 RAD. = 1853996.3	1.5 1.5 14.7
1732	X = -461923 Y = 1711194 Z = -544970	15 14 14	LAT. = -17 5 27.6 LONG. = 105 6 23.3 RAD. = 1854332.6	1.6 1.7 14.1
1734	X = -389151 Y = 1737855 Z = -517934	14 14 11	LAT. = -16 12 57.4 LONG. = 102 37 18.5 RAD. = 1854679.0	1.3 1.6 14.5

EXPOSURE STATIONS
MISSION 15 - REV 44
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1736	X = -315715	15	LAT. = -15 18 51.3	1.2
	Y = 1761045	14	LONG. = 100 9 49.8	1.7
	Z = -489926	11	RAD. = 1854988.5	14.5
1738	X = -241602	14	LAT. = -14 23 9.8	1.2
	Y = 1780810	15	LONG. = 97 43 34.0	1.6
	Z = -460957	11	RAD. = 1855299.5	15.3
1740	X = -167051	12	LAT. = -13 26 2.6	1.2
	Y = 1797055	14	LONG. = 95 18 39.1	1.4
	Z = -431099	11	RAD. = 1855574.7	14.4
1742	X = -92086	12	LAT. = -12 27 29.5	1.4
	Y = 1809785	14	LONG. = 92 54 46.2	1.3
	Z = -400352	12	RAD. = 1855824.0	14.3
1744	X = -17035	9	LAT. = -11 27 48.6	1.3
	Y = 1818956	13	LONG. = 90 32 11.6	1.0
	Z = -368880	12	RAD. = 1856061.5	13.4
1745	X = 20552	9	LAT. = -10 57 29.6	1.5
	Y = 1822193	15	LONG. = 89 21 13.7	1.0
	Z = -352842	13	RAD. = 1856153.6	14.5
1746	X = 58090	8	LAT. = -10 26 56.1	1.5
	Y = 1824543	13	LONG. = 88 10 35.2	1.0
	Z = -336647	14	RAD. = 1856249.2	13.3
1748	X = 133082	9	LAT. = - 9 25 4.5	1.3
	Y = 1826573	14	LONG. = 85 49 58.3	1.0
	Z = -303777	11	RAD. = 1856438.0	13.6
1750	X = 207842	9	LAT. = - 8 22 18.1	1.3
	Y = 1825032	14	LONG. = 83 30 10.6	1.1
	Z = -270312	12	RAD. = 1856612.2	14.1
1752	X = 282169	11	LAT. = - 7 18 46.6	1.5
	Y = 1819895	14	LONG. = 81 11 11.9	1.3
	Z = -236342	13	RAD. = 1856742.9	13.7
1754	X = 355983	11	LAT. = - 6 14 30.0	1.2
	Y = 1811166	14	LONG. = 78 52 49.1	1.2
	Z = -201878	10	RAD. = 1856825.6	14.0

EXPOSURE STATIONS
MISSION 15 - REV 44
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1756	X = 429072	12	LAT. = - 5 9 41.1	1.2
	Y = 1798900	14	LONG. = 76 35 4.3	1.3
	Z = -167049	10	RAD. = 1856892.2	13.8
1758	X = 501215	12	LAT. = - 4 4 27.7	1.1
	Y = 1783144	14	LONG. = 74 18 .5	1.4
	Z = -131938	10	RAD. = 1856939.6	13.9
1760	X = 572362	13	LAT. = - 2 58 51.1	1.1
	Y = 1763918	15	LONG. = 72 1 21.4	1.4
	Z = -96567	10	RAD. = 1856968.4	15.0
1762	X = 642390	15	LAT. = - 1 52 59.8	1.2
	Y = 1741302	16	LONG. = 69 45 1.0	1.6
	Z = -61028	11	RAD. = 1857019.5	16.5
1764	X = 711204	14	LAT. = - 0 46 57.0	1.1
	Y = 1715227	15	LONG. = 67 28 44.8	1.6
	Z = -25361	10	RAD. = 1857002.5	14.8
1766	X = 778726	15	LAT. = 0 19 18.6	1.1
	Y = 1685765	16	LONG. = 65 12 20.8	1.7
	Z = 10431	10	RAD. = 1856966.9	16.2
1768	X = 844703	14	LAT. = 1 25 31.4	1.0
	Y = 1652926	15	LONG. = 62 55 52.9	1.6
	Z = 46189	9	RAD. = 1856830.9	14.6
1770	X = 908950	15	LAT. = 2 31 30.3	1.0
	Y = 1616980	15	LONG. = 60 39 30.4	1.7
	Z = 81802	9	RAD. = 1856745.9	14.4
1772	X = 971404	15	LAT. = 3 37 16.0	1.0
	Y = 1577868	15	LONG. = 58 22 54.3	1.7
	Z = 117261	9	RAD. = 1856621.4	14.7
1774	X = 1031973	16	LAT. = 4 42 41.8	1.0
	Y = 1535674	15	LONG. = 56 5 56.0	1.8
	Z = 152492	9	RAD. = 1856479.3	14.7
1776	X = 1090513	16	LAT. = 5 47 42.5	1.1
	Y = 1490476	15	LONG. = 53 48 31.6	1.9
	Z = 187435	11	RAD. = 1856305.3	14.6

EXPOSURE STATIONS
MISSION 15 - REV 44
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1778	X = 1146902 Y = 1442372 Z = 221991	17 16 10	LAT. = 6 52 8.7 LONG. = 51 30 36.1 RAD. = 1856098.2	1.1 2.0 14.9
1780	X = 1201075 Y = 1391435 Z = 256128	17 16 10	LAT. = 7 55 57.6 LONG. = 49 11 58.3 RAD. = 1855875.5	1.1 2.1 14.7
1782	X = 1252877 Y = 1337761 Z = 289769	17 16 10	LAT. = 8 59 2.4 LONG. = 46 52 36.0 RAD. = 1855604.9	1.1 2.0 14.9
1784	X = 1302316 Y = 1281456 Z = 322876	17 16 10	LAT. = 10 1 18.3 LONG. = 44 32 14.7 RAD. = 1855372.0	1.1 2.0 15.2
1786	X = 1349188 Y = 1222613 Z = 355343	18 16 10	LAT. = 11 2 35.8 LONG. = 42 10 56.6 RAD. = 1855089.8	1.1 2.2 15.3
1788	X = 1393424 Y = 1161337 Z = 387163	18 17 10	LAT. = 12 2 54.1 LONG. = 39 48 33.2 RAD. = 1854785.3	1.1 2.3 15.7
1790	X = 1434932 Y = 1097766 Z = 418211	18 17 11	LAT. = 13 1 59.7 LONG. = 37 25 1.4 RAD. = 1854459.7	1.1 2.3 15.7
1792	X = 1473557 Y = 1032065 Z = 448423	18 17 11	LAT. = 13 59 45.8 LONG. = 35 0 23.9 RAD. = 1854097.2	1.1 2.3 16.0
1794	X = 1509337 Y = 964356 Z = 477769	19 18 11	LAT. = 14 56 8.1 LONG. = 32 34 32.2 RAD. = 1853737.7	1.1 2.3 16.6
1796	X = 1542101 Y = 894736 Z = 506154	20 20 12	LAT. = 15 50 56.9 LONG. = 30 7 21.2 RAD. = 1853326.6	1.2 2.6 17.6
1798	X = 1571868 Y = 823342 Z = 533583	20 19 12	LAT. = 16 44 10.4 LONG. = 27 38 43.8 RAD. = 1852936.2	1.2 2.5 18.2

EXPOSURE STATIONS
MISSION 15 - REV 44
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1800	X = 1598532	20	LAT. = 17 35 39.0	1.2
	Y = 750261	20	LONG. = 25 8 33.8	2.6
	Z = 559960	12	RAD. = 1852499.1	17.9
1802	X = 1620614	20	LAT. = 18 22 2.8	1.2
	Y = 680671	21	LONG. = 22 46 58.1	2.7
	Z = 583618	12	RAD. = 1852110.5	18.6
1804	X = 1639707	20	LAT. = 19 6 22.8	1.2
	Y = 610463	20	LONG. = 20 25 13.1	2.6
	Z = 606090	12	RAD. = 1851660.7	18.1
1806	X = 1656037	20	LAT. = 19 48 55.3	1.2
	Y = 539207	20	LONG. = 18 2 7.1	2.6
	Z = 627546	12	RAD. = 1851220.7	18.5
1808	X = 1669566	20	LAT. = 20 29 39.8	1.2
	Y = 466930	21	LONG. = 15 37 29.3	2.6
	Z = 647984	12	RAD. = 1851772.5	18.8
1810	X = 1680225	20	LAT. = 21 8 21.9	1.2
	Y = 393942	21	LONG. = 13 11 42.4	2.7
	Z = 667290	12	RAD. = 1850303.3	19.4
1812	X = 1688018	20	LAT. = 21 44 59.2	1.2
	Y = 320287	22	LONG. = 10 44 37.2	2.8
	Z = 685459	13	RAD. = 1849822.1	20.1
1814	X = 1692941	20	LAT. = 22 19 29.5	1.2
	Y = 246037	22	LONG. = 8 16 8.2	2.8
	Z = 702488	13	RAD. = 1849344.1	20.4
1816	X = 1694953	21	LAT. = 22 51 44.4	1.2
	Y = 171406	23	LONG. = 5 46 28.3	2.9
	Z = 718308	13	RAD. = 1848840.9	21.2
1818	X = 1694057	21	LAT. = 23 21 39.0	1.2
	Y = 96512	24	LONG. = 3 15 38.4	2.9
	Z = 732896	13	RAD. = 1848518.1	21.5
1820	X = 1690260	21	LAT. = 23 49 12.6	1.3
	Y = 21407	24	LONG. = 0 43 32.2	3.0
	Z = 746264	13	RAD. = 1847794.7	21.8

EXPOSURE STATIONS
MISSION 15 - REV 44
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1822	X = 1683586	21	LAT. = 24 14 14.1	1.3
	Y = -53708	25	LONG. = - 1 49 37.8	3.0
	Z = 758335	14	RAD. = 1847273.7	22.6
1824	X = 1674043	20	LAT. = 24 36 43.3	1.3
	Y = -128740	26	LONG. = - 4 23 51.4	3.1
	Z = 769126	13	RAD. = 1846767.2	22.4
1826	X = 1661613	20	LAT. = 24 56 35.8	1.3
	Y = -203504	26	LONG. = - 6 58 56.9	3.1
	Z = 778595	14	RAD. = 1846234.8	22.8
1828	X = 1646292	20	LAT. = 25 13 51.4	1.3
	Y = -278010	27	LONG. = - 9 35 6.5	3.2
	Z = 786756	14	RAD. = 1845685.0	23.2
1830	X = 1628172	21	LAT. = 25 28 19.6	1.3
	Y = -352029	27	LONG. = - 12 12 .7	3.2
	Z = 793548	14	RAD. = 1845151.8	23.6
1832	X = 1607243	21	LAT. = 25 40 4.0	1.3
	Y = -425379	28	LONG. = - 14 49 27.3	3.3
	Z = 798995	14	RAD. = 1844605.9	24.2
1834	X = 1583549	21	LAT. = 25 48 59.0	1.3
	Y = -498020	28	LONG. = - 17 27 29.4	3.3
	Z = 803069	14	RAD. = 1844063.8	24.7
1836	X = 1557080	21	LAT. = 25 55 4.4	1.3
	Y = -569894	29	LONG. = - 20 6 9.8	3.3
	Z = 805768	14	RAD. = 1843513.0	25.1
1838	X = 1527941	21	LAT. = 25 58 17.6	1.3
	Y = -640736	30	LONG. = - 22 45 1.9	3.4
	Z = 807081	14	RAD. = 1842967.0	25.7
1840	X = 1496187	22	LAT. = 25 58 38.2	1.4
	Y = -710433	30	LONG. = - 25 23 58.9	3.4
	Z = 807013	15	RAD. = 1842433.3	26.3
1842	X = 1461739	22	LAT. = 25 56 7.4	1.4
	Y = -779070	31	LONG. = - 28 3 23.4	3.5
	Z = 805565	15	RAD. = 1841892.1	27.1

EXPOSURE STATIONS
MISSION 15 - REV 44
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1844	X = 1424747	22	LAT. = 25 50 41.2	1.4
	Y = -846368	32	LONG. = - 30 42 44.4	3.5
	Z = 802710	15	RAD. = 1841354.4	27.3
1846	X = 1385418	23	LAT. = 25 42 23.9	1.6
	Y = -911950	33	LONG. = - 33 21 17.5	3.7
	Z = 798479	16	RAD. = 1840816.6	28.2
1848	X = 1343680	26	LAT. = 25 31 14.1	2.6
	Y = -975978	37	LONG. = - 35 59 33.6	4.4
	Z = 792853	26	RAD. = 1840280.4	31.2

EXPOSURE STATIONS
MISSION 15 - REV 50

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1854	X = -925355	16	LAT. = -25 29 3.6	1.6
	Y = 1393657	16	LONG. = 123 34 59.6	2.0
	Z = -797366	16	RAD. = 1853200.8	17.4
1856	X = -862893	15	LAT. = -24 49 51.7	1.6
	Y = 1443980	17	LONG. = 120 51 42.0	1.9
	Z = -778375	16	RAD. = 1853518.0	17.0
1858	X = -798781	15	LAT. = -24 7 48.2	1.6
	Y = 1491385	16	LONG. = 118 10 24.0	1.8
	Z = -757857	15	RAD. = 1853814.2	16.0
1860	X = -733079	14	LAT. = -23 22 58.3	1.6
	Y = 1535820	15	LONG. = 115 30 58.1	1.7
	Z = -735833	15	RAD. = 1854076.8	15.7
1862	X = -665995	13	LAT. = -22 35 32.7	1.7
	Y = 1577193	15	LONG. = 112 53 33.7	1.6
	Z = -712388	15	RAD. = 1854342.4	15.2
1864	X = -597542	12	LAT. = -21 45 34.3	1.8
	Y = 1615467	15	LONG. = 110 17 55.9	1.5
	Z = -687515	16	RAD. = 1854579.8	14.7
1866	X = -527864	12	LAT. = -20 53 16.1	1.6
	Y = 1650537	15	LONG. = 107 44 6.0	1.4
	Z = -661305	14	RAD. = 1854787.6	14.9
1868	X = -457197	12	LAT. = -19 58 44.0	1.6
	Y = 1682345	15	LONG. = 105 12 13.0	1.3
	Z = -633805	14	RAD. = 1854999.8	15.0
1870	X = -385617	11	LAT. = -19 2 4.7	1.4
	Y = 1710806	14	LONG. = 102 42 8.1	1.3
	Z = -605043	13	RAD. = 1855164.1	14.6
1872	X = -313285	11	LAT. = -18 3 27.8	1.4
	Y = 1735889	14	LONG. = 100 13 49.2	1.3
	Z = -575101	12	RAD. = 1855316.1	14.7
1874	X = -240377	12	LAT. = -17 3 2.4	1.4
	Y = 1757534	14	LONG. = 97 47 16.8	1.4
	Z = -544050	12	RAD. = 1855450.5	14.7

EXPOSURE STATIONS
MISSION 15 - REV 50
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1876	X = -166989	12	LAT. = -16 0 55.8	1.2
	Y = 1775696	15	LONG. = 95 22 20.5	1.4
	Z = -511941	11	RAD. = 1855549.7	14.7
1878	X = -93301	15	LAT. = -14 57 13.5	1.1
	Y = 1790402	15	LONG. = 92 58 59.1	1.8
	Z = -478837	11	RAD. = 1855674.6	14.8
1880	X = -19367	12	LAT. = -13 52 1.7	1.1
	Y = 1801542	14	LONG. = 90 36 57.4	1.4
	Z = -444766	10	RAD. = 1855732.8	14.3
1882	X = 54526	10	LAT. = -12 45 33.7	1.1
	Y = 1809140	13	LONG. = 88 16 25.3	1.1
	Z = -409863	10	RAD. = 1855787.3	13.4
1884	X = 128313	10	LAT. = -11 37 51.9	1.2
	Y = 1813191	13	LONG. = 85 57 7.7	1.1
	Z = -374153	11	RAD. = 1855832.8	13.5
1886	X = 201910	9	LAT. = -10 29 1.9	1.4
	Y = 1813660	14	LONG. = 83 38 51.2	1.1
	Z = -337687	12	RAD. = 1855845.8	13.9
1888	X = 27507*	9	LAT. = - 9 19 15.0	1.3
	Y = 1810543	14	LONG. = 81 21 40.6	1.1
	Z = -300574	12	RAD. = 1855822.2	13.7
1890	X = 347688	10	LAT. = - 8 8 35.5	1.4
	Y = 1803864	14	LONG. = 79 5 24.9	1.1
	Z = -262867	12	RAD. = 1855778.2	13.9
1892	X = 419673	11	LAT. = - 6 57 7.5	1.2
	Y = 1793660	13	LONG. = 76 49 51.8	1.2
	Z = -224618	11	RAD. = 1855746.5	13.5
1894	X = 490775	12	LAT. = - 5 45 7.1	1.1
	Y = 1779856	14	LONG. = 74 35 3.9	1.3
	Z = -185974	10	RAD. = 1855622.0	13.7
1896	X = 560937	12	LAT. = - 4 32 35.7	1.2
	Y = 1762558	14	LONG. = 72 20 46.5	1.4
	Z = -146976	10	RAD. = 1855495.6	14.0

EXPOSURE STATIONS
MISSION 15 - REV 50
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1898	X = 629954 Y = 1741845 Z = -107684	14 15 10	LAT. = - 3 19 38.0 LONG. = 70 7 1.3 RAD. = 1855387.0	1.1 1.5 14.6
1900	X = 697733 Y = 1717682 Z = -68138	15 16 12	LAT. = - 2 6 17.3 LONG. = 67 53 33.7 RAD. = 1855237.6	1.3 1.7 15.7
1902	X = 764164 Y = 1690139 Z = -28543	18 16 12	LAT. = - 0 52 53.8 LONG. = 65 40 14.9 RAD. = 1855082.2	1.4 2.0 15.6
1904	X = 829170 Y = 1659254 Z = 11239	16 16 10	LAT. = 0 20 49.8 LONG. = 63 26 51.3 RAD. = 1854932.3	1.1 1.8 15.6
1906	X = 892375 Y = 1625093 Z = 50872	16 16 10	LAT. = 1 34 18.3 LONG. = 61 13 40.2 RAD. = 1854682.2	1.1 1.8 15.5
1908	X = 953911 Y = 1587734 Z = 90458	18 17 11	LAT. = 2 47 45.3 LONG. = 59 0 9.2 RAD. = 1854461.6	1.2 2.1 15.7
1910	X = 1013499 Y = 1547262 Z = 129810	19 17 10	LAT. = 4 0 52.2 LONG. = 56 46 26.8 RAD. = 1854198.4	1.1 2.3 14.4
1912	X = 1071036 Y = 1503816 Z = 168899	17 16 10	LAT. = 5 13 37.4 LONG. = 54 32 27.8 RAD. = 1853943.9	1.1 2.1 14.9
1914	X = 1126547 Y = 1457323 Z = 207706	18 16 10	LAT. = 6 26 .9 LONG. = 52 17 43.0 RAD. = 1853664.1	1.1 2.1 15.1
1916	X = 1179749 Y = 1408007 Z = 246053	17 16 10	LAT. = 7 37 45.3 LONG. = 50 2 27.0 RAD. = 1853330.4	1.1 2.0 15.0
1918	X = 1230673 Y = 1355929 Z = 233923	17 16 10	LAT. = 8 48 49.6 LONG. = 47 46 20.6 RAD. = 1853028.8	1.1 2.0 15.1

EXPOSURE STATIONS
MISSION 15 - REV 50
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1920	X = 1279171 Y = 1301205 Z = 321238	18 17 10	LAT. = 9 59 5.1 LONG. = 45 29 21.3 RAD. = 1852729.9	1.1 2.2 15.1
1922	X = 1325171 Y = 1243606 Z = 357986	18 17 11	LAT. = 11 8 34.8 LONG. = 43 11 9.4 RAD. = 1852373.3	1.1 2.3 15.9
1924	X = 1368599 Y = 1185908 Z = 394042	19 18 11	LAT. = 12 17 3.6 LONG. = 40 51 41.4 RAD. = 1852017.7	1.1 2.4 16.3
1925	X = 1389284 Y = 1153102 Z = 411767	19 17 11	LAT. = 12 50 50.8 LONG. = 39 41 33.3 RAD. = 1851838.6	1.1 2.3 16.3
1926	X = 1409275 Y = 1121720 Z = 429284	18 17 11	LAT. = 17 24 19.4 LONG. = 38 31 5.8 RAD. = 1851645.5	1.1 2.2 16.0
1927	X = 1428573 Y = 1089785 Z = 446585	18 17 11	LAT. = 13 57 28.2 LONG. = 37 20 17.3 RAD. = 1851456.2	1.1 2.2 16.1
1928	X = 1447165 Y = 1057279 Z = 463701	19 17 11	LAT. = 14 30 21.1 LONG. = 36 9 4.9 RAD. = 1851254.6	1.1 2.3 16.6
1930	X = 1482161 Y = 990774 Z = 497179	19 18 11	LAT. = 15 34 56.4 LONG. = 33 45 40.9 RAD. = 1850843.1	1.2 2.3 16.9
1932	X = 1514300 Y = 922097 Z = 529861	24 25 12	LAT. = 15 38 21.0 LONG. = 31 20 18.0 RAD. = 1850437.3	1.3 3.5 17.9
1934	X = 1543321 Y = 851908 Z = 561163	20 19 12	LAT. = 17 39 28.2 LONG. = 28 53 54.8 RAD. = 1849997.6	1.2 2.5 18.2
1936	X = 1564280 Y = 779949 Z = 591432	22 20 13	LAT. = 18 39 2.8 LONG. = 26 25 40.3 RAD. = 1849543.8	1.3 2.6 20.5

EXPOSURE STATIONS
MISSION 15 - REV 50
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1938	X = 1592192	20	LAT. = 19 36 47.4	1.2
	Y = 706329	19	LONG. = 23 55 23.0	2.5
	Z = 620689	12	RAD. = 1849116.5	18.4
1940	X = 1611883	19	LAT. = 20 32 31.1	1.2
	Y = 531324	20	LONG. = 21 23 19.4	2.6
	Z = 648681	12	RAD. = 1848654.5	17.9

EXPOSURE STATIONS
MISSION 15 - REV 60

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD C
1952	X = -720605	18	LAT. = -25 52 43.1	3.5
	Y = 1504700	28	LONG. = 115 35 23.6	2.7
	Z = -809339	27	RAD. = 1854298.7	19.5
1954	X = -651651	15	LAT. = -25 15 47.1	2.2
	Y = 1545604	19	LONG. = 112 51 39.8	2.0
	Z = -791563	18	RAD. = 1854753.5	17.1
1956	X = -581337	13	LAT. = -24 35 53.6	1.6
	Y = 1583520	16	LONG. = 110 9 32.6	1.6
	Z = -772240	15	RAD. = 1855220.8	16.2
1958	X = -509887	13	LAT. = -23 53 10.2	1.9
	Y = 1618292	16	LONG. = 107 29 18.5	1.6
	Z = -751392	16	RAD. = 1855652.1	15.3
1960	X = -437429	12	LAT. = -23 7 45.5	1.7
	Y = 1649863	16	LONG. = 104 50 57.1	1.5
	Z = -729073	16	RAD. = 1856054.9	15.4
1962	X = -364193	12	LAT. = -22 19 48.7	1.6
	Y = 1678175	15	LONG. = 102 14 39.5	1.4
	Z = -705348	14	RAD. = 1856454.4	15.1
1964	X = -290223	11	LAT. = -21 29 25.7	1.6
	Y = 1703165	15	LONG. = 99 40 13.6	1.3
	Z = -680234	15	RAD. = 1856803.6	15.0
1966	X = -215671	10	LAT. = -20 36 45.8	1.5
	Y = 1724843	15	LONG. = 97 7 37.8	1.2
	Z = -653815	14	RAD. = 1857168.1	14.6
1968	X = -140692	10	LAT. = -19 41 56.0	1.5
	Y = 1743112	15	LONG. = 94 36 52.2	1.2
	Z = -626116	13	RAD. = 1857485.8	15.4
1970	X = -65436	10	LAT. = -18 45 1.4	1.4
	Y = 1757996	14	LONG. = 92 7 54.0	1.2
	Z = -597186	13	RAD. = 1857811.4	14.4
1972	X = 9862	11	LAT. = -17 46 15.5	1.6
	Y = 1769405	15	LONG. = 89 40 50.3	1.3
	Z = -567114	15	RAD. = 1858093.2	15.1

EXPOSURE STATIONS
MISSION 15 - REV 60
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1974	X = 85151	10	LAT. = -16 45 44.7	1.3
	Y = 1777328	14	LONG. = 87 15 25.5	1.2
	Z = -535949	12	RAD. = 1858328.7	14.5
1976	X = 160273	12	LAT. = -15 43 35.1	1.2
	Y = 1781783	15	LONG. = 84 51 36.1	1.4
	Z = -503749	12	RAD. = 1858548.3	15.1
1978	X = 235108	13	LAT. = -14 39 49.0	1.1
	Y = 1782787	14	LONG. = 82 29 14.6	1.5
	Z = -470535	10	RAD. = 1858764.8	14.3
1980	X = 309473	13	LAT. = -13 34 43.2	1.1
	Y = 1780281	14	LONG. = 80 8 19.0	1.5
	Z = -436442	10	RAD. = 1858939.3	14.3
1982	X = 383210	13	LAT. = -12 28 18.8	1.2
	Y = 1774301	14	LONG. = 77 48 45.3	1.5
	Z = -401488	11	RAD. = 1859081.6	14.3
1984	X = 456231	12	LAT. = -11 20 45.4	1.3
	Y = 1764855	14	LONG. = 75 30 21.0	1.3
	Z = -365766	12	RAD. = 1859205.1	14.3
1986	X = 528404	12	LAT. = -10 12 6.1	1.3
	Y = 1751940	14	LONG. = 73 12 58.1	1.3
	Z = -329305	12	RAD. = 1859286.9	14.5
1988	X = 599480	12	LAT. = - 9 2 34.1	1.3
	Y = 1735610	14	LONG. = 70 56 42.2	1.3
	Z = -292235	12	RAD. = 1859333.3	14.2
1990	X = 639410	12	LAT. = - 7 52 7.2	1.5
	Y = 1715915	15	LONG. = 68 41 18.0	1.4
	Z = -254553	13	RAD. = 1859373.5	15.1
1992	X = 738033	14	LAT. = - 6 41 4.1	1.4
	Y = 1692870	15	LONG. = 66 26 40.1	1.5
	Z = -216436	13	RAD. = 1859394.3	14.7
1994	X = 805203	15	LAT. = - 5 29 23.8	1.5
	Y = 1666514	16	LONG. = 64 12 42.3	1.7
	Z = -177888	13	RAD. = 1859372.0	16.1

EXPOSURE STATIONS
MISSION 15 - REV 60
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1996	X = 870779	15	LAT. = - 4 17 16.0	1.3
	Y = 1636897	16	LONG. = 61 59 18.2	1.7
	Z = -139013	12	RAD. = 1859304.4	15.7
1998	X = 934707	16	LAT. = - 3 4 42.8	1.3
	Y = 1604133	16	LONG. = 59 46 16.4	1.8
	Z = -99853	12	RAD. = 1859271.6	16.5
2000	X = 996782	17	LAT. = - 1 51 51.5	1.3
	Y = 1568222	17	LONG. = 57 33 34.0	1.9
	Z = -60484	12	RAD. = 1859180.8	16.3
2002	X = 1056946	18	LAT. = - 0 38 49.8	1.3
	Y = 1529241	17	LONG. = 55 20 58.0	2.0
	Z = -20998	11	RAD. = 1859072.8	17.3
2004	X = 1115011	18	LAT. = 0 34 13.6	1.2
	Y = 1487257	17	LONG. = 53 8 26.7	2.0
	Z = 18507	11	RAD. = 1858904.7	16.5
2006	X = 1170895	18	LAT. = 1 47 14.9	1.2
	Y = 1442413	17	LONG. = 50 55 53.9	2.0
	Z = 57979	11	RAD. = 1858739.7	16.5
2008	X = 1224500	18	LAT. = 3 0 9.3	1.2
	Y = 1394738	16	LONG. = 48 43 7.4	2.0
	Z = 97353	11	RAD. = 1858540.0	16.1
2010	X = 1275751	18	LAT. = 4 12 49.8	1.1
	Y = 1344314	16	LONG. = 46 29 56.4	2.1
	Z = 136548	10	RAD. = 1858323.9	15.6
2012	X = 1324490	18	LAT. = 5 25 5.0	1.1
	Y = 1291303	17	LONG. = 44 16 23.3	2.1
	Z = 175445	10	RAD. = 1858095.1	15.7
2014	X = 1370042	19	LAT. = 6 36 57.8	1.2
	Y = 1235705	18	LONG. = 42 2 10.6	2.3
	Z = 214048	11	RAD. = 1857805.9	16.0
2016	X = 1414090	19	LAT. = 7 48 12.0	1.1
	Y = 1177755	17	LONG. = 39 47 23.8	2.2
	Z = 252201	10	RAD. = 1857515.3	16.0

EXPOSURE STATIONS
MISSION 15 - REV 60
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2018	X = 1454795	19	LAT. = 8 58 44.4	1.1
	Y = 1117473	17	LONG. = 37 31 44.4	2.3
	Z = 289858	10	RAD. = 1857200.2	16.2
2020	X = 1492615	19	LAT. = 10 8 28.0	1.1
	Y = 1055031	17	LONG. = 35 15 14.2	2.2
	Z = 326941	10	RAD. = 1856846.7	16.3
2022	X = 1527537	19	LAT. = 11 17 20.9	1.1
	Y = 990498	18	LONG. = 32 57 37.8	2.3
	Z = 363426	11	RAD. = 1856484.1	16.6
2024	X = 1559459	20	LAT. = 12 25 8.8	1.2
	Y = 924045	20	LONG. = 30 38 54.6	2.6
	Z = 399175	11	RAD. = 1856101.1	17.1
2026	X = 1588306	20	LAT. = 13 31 43.6	1.2
	Y = 855803	20	LONG. = 28 18 59.2	2.5
	Z = 434107	11	RAD. = 1855683.8	17.6
2028	X = 1614073	20	LAT. = 14 37 9.1	1.2
	Y = 785795	19	LONG. = 25 57 31.2	2.5
	Z = 468254	11	RAD. = 1855254.2	18.0
2030	X = 1636654	20	LAT. = 15 41 7.3	1.2
	Y = 714307	19	LONG. = 23 34 42.8	2.4
	Z = 501457	11	RAD. = 1854812.9	18.1
2032	X = 1656001	20	LAT. = 16 43 34.9	1.2
	Y = 641433	20	LONG. = 21 10 23.9	2.5
	Z = 533683	12	RAD. = 1854343.8	18.9
2033	X = 1664463	20	LAT. = 17 14 12.0	1.2
	Y = 604480	20	LONG. = 19 57 33.8	2.6
	Z = 549405	12	RAD. = 1854097.6	18.7
2034	X = 1672110	20	LAT. = 17 44 22.9	1.2
	Y = 567270	20	LONG. = 18 44 23.0	2.6
	Z = 564860	12	RAD. = 1853865.2	18.5
2036	X = 1684912	20	LAT. = 18 43 27.5	1.2
	Y = 491980	21	LONG. = 16 16 38.4	2.7
	Z = 594956	12	RAD. = 1853360.4	18.7

EXPOSURE STATIONS
MISSION 15 - REV 60
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2038	X = 1694386	20	LAT. = 19 40 33.8	1.2
	Y = 415770	21	LONG. = 13 47 12.8	2.6
	Z = 623853	12	RAD. = 1852835.9	19.3
2040	X = 1700531	20	LAT. = 20 35 42.6	1.2
	Y = 338647	22	LONG. = 11 15 45.5	2.8
	Z = 651572	12	RAD. = 1852304.8	19.7
2042	X = 1703312	21	LAT. = 21 28 37.9	1.2
	Y = 260913	23	LONG. = 8 42 32.0	2.8
	Z = 677986	13	RAD. = 1851759.0	20.5
2044	X = 1702734	21	LAT. = 22 19 15.3	1.2
	Y = 182655	23	LONG. = 6 7 22.1	2.9
	Z = 703078	13	RAD. = 1851211.6	20.9
2046	X = 1698762	21	LAT. = 23 7 25.2	1.2
	Y = 104063	24	LONG. = 3 30 19.6	3.0
	Z = 726773	13	RAD. = 1850627.1	21.5
2048	X = 1691425	21	LAT. = 23 52 60.0	1.2
	Y = 25279	25	LONG. = 0 51 22.5	3.1
	Z = 749031	13	RAD. = 1850028.3	21.6
2050	X = 1680764	21	LAT. = 24 35 51.5	1.3
	Y = -53535	26	LONG. = - 1 49 27.6	3.1
	Z = 769820	14	RAD. = 1849447.6	22.5
2052	X = 1666743	21	LAT. = 25 15 55.9	1.3
	Y = -132307	26	LONG. = - 4 32 19.2	3.1
	Z = 789114	14	RAD. = 1848847.9	22.7
2054	X = 1649434	21	LAT. = 25 52 58.1	1.3
	Y = -210713	27	LONG. = - 7 16 48.1	3.3
	Z = 806814	14	RAD. = 1848237.2	23.3
2056	X = 1630281	22	LAT. = 26 24 52.6	1.3
	Y = -283738	27	LONG. = - 9 52 22.8	3.3
	Z = 821970	14	RAD. = 1847690.1	24.5
2058	X = 1608454	22	LAT. = 26 53 45.6	1.3
	Y = -355727	28	LONG. = - 12 28 15.1	3.3
	Z = 835590	14	RAD. = 1847126.8	24.5

EXPOSURE STATIONS
MISSION 15 - REV 60
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2060	X = 1583862	21	LAT. = 27 19 46.4	1.4
	Y = -427034	28	LONG. = - 15 5 20.6	3.4
	Z = 847756	15	RAD. = 1846527.9	24.8
2062	X = 1556526	21	LAT. = 27 42 52.2	1.4
	Y = -497716	29	LONG. = - 17 43 56.1	3.4
	Z = 858484	15	RAD. = 1845938.4	25.1
2064	X = 1526552	22	LAT. = 28 2 58.9	1.4
	Y = -567439	30	LONG. = - 20 23 26.6	3.5
	Z = 867757	15	RAD. = 1845358.9	25.5
2066	X = 1493922	22	LAT. = 28 20 .7	1.4
	Y = -636284	30	LONG. = - 23 4 11.6	3.5
	Z = 875541	15	RAD. = 1844784.9	25.8
2068	X = 1458748	22	LAT. = 28 33 55.1	1.4
	Y = -703974	30	LONG. = - 25 45 41.0	3.5
	Z = 881834	15	RAD. = 1844223.1	26.6
2070	X = 1421039	22	LAT. = 28 44 40.8	1.5
	Y = -770403	31	LONG. = - 28 27 50.1	3.6
	Z = 886613	15	RAD. = 1843625.7	27.1
2072	X = 1380910	23	LAT. = 28 52 5.9	1.5
	Y = -835537	32	LONG. = - 31 10 5.6	3.7
	Z = 889859	16	RAD. = 1843065.7	27.7
2074	X = 1338336	23	LAT. = 28 56 26.5	1.5
	Y = -899282	33	LONG. = - 33 53 55.0	3.8
	Z = 891590	16	RAD. = 1842493.6	28.3
2076	X = 1293460	25	LAT. = 28 57 25.3	1.6
	Y = -961446	35	LONG. = - 36 37 26.1	4.2
	Z = 891773	17	RAD. = 1841921.4	29.2
2078	X = 1246342	27	LAT. = 28 55 8.3	1.6
	Y = -1021949	40	LONG. = - 39 21 1.2	4.9
	Z = 890432	17	RAD. = 1841362.4	30.4
2080	X = 1197105	33	LAT. = 28 49 33.2	1.7
	Y = -1030627	48	LONG. = - 42 4 21.2	6.3
	Z = 887541	18	RAD. = 1840799.7	32.0

EXPOSURE STATIONS
MISSION 15 - RFV 60
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITIC..	STD DEV
2082	X = 1145636	42	LAT. = 28 40 41.8	1.7
	Y = -1137600	60	LONG. = - 44 47 54.0	8.4
	Z = 883119	18	RAD. = 1840248.8	33.7
2084	X = 1092364	55	LAT. = 28 28 38.5	1.8
	Y = -1192397	74	LONG. = - 47 30 25.0	10.9
	Z = 877196	18	RAD. = 1839712.9	35.6
2086	X = 1037226	72	LAT. = 28 13 23.1	2.2
	Y = -1245119	90	LONG. = - 50 12 16.5	13.8
	Z = 869768	19	RAD. = 1839199.4	38.9

EXPOSURE STATIONS
MISSION 15 - REV 63

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2212	X = -630297	15	LAT. = -25 45 29.0	2.3
	Y = 1545729	20	LONG. = 112 11 2.4	2.0
	Z = -805463	19	RAD. = 1853462.7	18.1
2214	X = -559125	13	LAT. = -25 8 5.3	1.6
	Y = 1582539	16	LONG. = 109 27 31.6	1.7
	Z = -787467	15	RAD. = 1853956.5	15.8
2216	X = -486824	13	LAT. = -24 27 46.7	1.6
	Y = 1616232	15	LONG. = 106 45 46.1	1.6
	Z = -767930	15	RAD. = 1854433.0	15.6
2218	X = -413726	12	LAT. = -23 44 44.3	1.5
	Y = 1646672	15	LONG. = 104 6 13.1	1.5
	Z = -746918	14	RAD. = 1854881.1	15.2
2220	X = -339716	11	LAT. = -22 56 59.9	1.6
	Y = 1673913	15	LONG. = 101 28 19.9	1.4
	Z = -724431	15	RAD. = 1855314.3	14.9
2222	X = -265040	11	LAT. = -22 10 41.7	1.6
	Y = 1697876	15	LONG. = 98 52 20.3	1.3
	Z = -700521	14	RAD. = 1855737.0	14.8
2224	X = -189946	10	LAT. = -21 20 5.4	1.5
	Y = 1718475	14	LONG. = 96 18 26.7	1.2
	Z = -675277	13	RAD. = 1856134.0	14.5
2226	X = -114424	10	LAT. = -20 27 9.4	1.5
	Y = 1735725	15	LONG. = 93 46 17.9	1.2
	Z = -648730	13	RAD. = 1856524.6	14.7
2228	X = -38699	10	LAT. = -19 32 4.9	1.5
	Y = 1749559	14	LONG. = 91 16 1.7	1.2
	Z = -620895	13	RAD. = 1856869.5	14.4
2230	X = 37165	10	LAT. = -18 34 56.9	1.5
	Y = 1759993	14	LONG. = 88 47 25.9	1.2
	Z = -591836	13	RAD. = 1857209.3	14.3
2232	X = 112848	10	LAT. = -17 36 3.5	1.4
	Y = 1766950	14	LONG. = 86 20 44.5	1.2
	Z = -561614	12	RAD. = 1857508.2	14.2

EXPOSURE STATIONS
MISSION 15 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2234	X = 188276	11	LAT. = -16 35 24.2	1.3
	Y = 1770485	14	LONG. = 83 55 47.6	1.3
	Z = -530444	11	RAD. = 1857804.2	14.4
2236	X = 263414	12	LAT. = -15 33 5.7	1.2
	Y = 1770539	15	LONG. = 81 32 16.1	1.4
	Z = -498154	11	RAD. = 1858050.6	14.5
2238	X = 337952	13	LAT. = -14 29 16.7	1.1
	Y = 1767167	15	LONG. = 79 10 24.6	1.5
	Z = -464900	10	RAD. = 1858284.7	14.6
2240	X = 411873	13	LAT. = -13 24 6.4	1.1
	Y = 1760351	15	LONG. = 76 49 52.6	1.5
	Z = -430760	10	RAD. = 1858502.1	14.9
2242	X = 485017	13	LAT. = -12 17 39.8	1.2
	Y = 1750095	15	LONG. = 74 30 35.9	1.5
	Z = -395779	11	RAD. = 1858686.2	15.4
2244	X = 557184	14	LAT. = -11 10 9.3	1.5
	Y = 1736413	15	LONG. = 72 12 34.2	1.6
	Z = -360069	13	RAD. = 1858826.2	15.0
2246	X = 628261	13	LAT. = -10 1 31.3	1.4
	Y = 1719360	15	LONG. = 69 55 39.0	1.4
	Z = -323611	13	RAD. = 1858933.6	14.9
2248	X = 698123	13	LAT. = - 8 51 59.7	1.4
	Y = 1698987	15	LONG. = 67 39 43.1	1.4
	Z = -286542	12	RAD. = 1859043.1	15.1
2250	X = 766645	14	LAT. = - 7 41 41.3	1.6
	Y = 1675271	15	LONG. = 65 24 36.0	1.6
	Z = -248926	14	RAD. = 1859096.9	15.5
2252	X = 833641	15	LAT. = - 6 30 41.7	1.5
	Y = 1648318	16	LONG. = 63 10 18.7	1.6
	Z = -210833	13	RAD. = 1859128.8	15.8
2254	X = 899031	16	LAT. = - 5 19 8.6	1.3
	Y = 1618185	16	LONG. = 60 56 39.6	1.7
	Z = -172348	12	RAD. = 1859162.0	16.9

EXPOSURE STATIONS
MISSION 15 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2256	X = 962692	16	LAT. = - 4 7 6.8	1.3
	Y = 1584922	16	LONG. = 58 43 30.8	1.8
	Z = -133527	11	RAD. = 1859188.9	15.8
2258	X = 1024453	17	LAT. = - 2 54 43.7	1.3
	Y = 1548562	16	LONG. = 56 30 48.0	1.9
	Z = -94454	12	RAD. = 1859158.4	15.7
2260	X = 1084276	18	LAT. = - 1 42 1.8	1.3
	Y = 1509161	17	LONG. = 54 18 14.9	2.0
	Z = -55169	12	RAD. = 1859103.2	16.5
2262	X = 1141927	17	LAT. = - 0 29 12.5	1.2
	Y = 1466846	17	LONG. = 52 5 58.4	2.0
	Z = -15794	11	RAD. = 1859000.9	16.2
2264	X = 1197392	17	LAT. = 0 43 39.4	1.2
	Y = 1421693	17	LONG. = 49 53 41.7	2.0
	Z = 23606	11	RAD. = 1858901.6	16.2
2266	X = 1250541	18	LAT. = 1 56 28.8	1.3
	Y = 1373722	18	LONG. = 47 41 14.9	2.2
	Z = 62968	11	RAD. = 1858744.2	16.4
2268	X = 1301190	19	LAT. = 3 9 4.6	1.2
	Y = 1323191	17	LONG. = 45 28 49.2	2.1
	Z = 102171	11	RAD. = 1858593.3	16.8
2270	X = 1349356	19	LAT. = 4 21 22.0	1.2
	Y = 1270054	18	LONG. = 43 15 57.3	2.2
	Z = 141211	11	RAD. = 1858423.4	16.8
2272	X = 1394934	19	LAT. = 5 33 28.4	1.2
	Y = 1214377	18	LONG. = 41 2 29.8	2.2
	Z = 179970	11	RAD. = 1858209.2	16.5
2274	X = 1437770	19	LAT. = 6 45 2.8	1.2
	Y = 1156361	18	LONG. = 38 48 31.8	2.3
	Z = 218406	11	RAD. = 1857970.3	16.2
2276	X = 1477776	19	LAT. = 7 55 58.0	1.2
	Y = 1096124	17	LONG. = 36 53 56.8	2.2
	Z = 256383	11	RAD. = 1857698.4	16.7

EXPOSURE STATIONS
MISSION 15 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2278	X = 1514929	19	LAT. = 9 6 14.9	1.1
	Y = 1033709	19	LONG. = 34 18 27.4	2.4
	Z = 293896	11	RAD. = 1857400.5	16.6
2280	X = 1549105	19	LAT. = 10 15 37.7	1.2
	Y = 969354	19	LONG. = 32 2 10.7	2.4
	Z = 330792	11	RAD. = 1857093.7	16.9
2282	X = 1580290	20	LAT. = 11 24 9.6	1.1
	Y = 903045	18	LONG. = 29 44 43.8	2.3
	Z = 367088	11	RAD. = 1856761.2	17.3
2284	X = 1608366	20	LAT. = 12 31 36.6	1.2
	Y = 835019	19	LONG. = 27 26 13.5	2.5
	Z = 402647	11	RAD. = 1856400.3	17.5
2286	X = 1633303	20	LAT. = 13 37 50.7	1.2
	Y = 765391	20	LONG. = 25 6 30.6	2.5
	Z = 437397	12	RAD. = 1856021.5	18.6
2288	X = 1655052	20	LAT. = 14 42 53.1	1.2
	Y = 694213	20	LONG. = 22 45 20.4	2.5
	Z = 471337	12	RAD. = 1855609.6	18.4
2290	X = 1673589	20	LAT. = 15 46 28.7	1.2
	Y = 621700	20	LONG. = 20 22 43.9	2.5
	Z = 504344	12	RAD. = 1855202.1	19.0
2292	X = 1688844	20	LAT. = 16 48 33.0	1.2
	Y = 547964	21	LONG. = 17 58 34.5	2.6
	Z = 536370	12	RAD. = 1854764.2	18.8
2294	X = 1700768	20	LAT. = 17 49 1.6	1.2
	Y = 473152	21	LONG. = 15 32 47.5	2.6
	Z = 567375	12	RAD. = 1854292.2	19.1
2296	X = 1709364	20	LAT. = 18 47 40.9	1.2
	Y = 397449	21	LONG. = 13 5 21.9	2.7
	Z = 597257	12	RAD. = 1853808.3	19.8
2298	X = 1714633	20	LAT. = 19 44 24.5	1.2
	Y = 320936	22	LONG. = 10 36 9.5	2.8
	Z = 625970	12	RAD. = 1853327.6	20.1

EXPOSURE STATIONS
MISSION 15 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2300	X = 1716522	21	LAT. = 20 39 9.8	1.2
	Y = 243802	23	LONG. = 8 5 1.6	2.8
	Z = 653495	13	RAD. = 1852820.8	21.0
2302	X = 1715025	21	LAT. = 21 31 42.3	1.2
	Y = 166192	23	LONG. = 5 32 5.5	2.9
	Z = 679718	13	RAD. = 1852281.7	21.5
2304	X = 1710160	22	LAT. = 22 21 55.4	1.3
	Y = 88318	24	LONG. = 2 57 22.7	3.0
	Z = 704607	14	RAD. = 1851734.3	22.6
2306	X = 1701937	21	LAT. = 23 9 43.5	1.3
	Y = 10187	25	LONG. = 0 20 34.5	3.0
	Z = 728132	13	RAD. = 1851180.9	22.4
2308	X = 1690370	22	LAT. = 23 54 55.1	1.3
	Y = -67895	25	LONG. = - 2 18 .3	3.0
	Z = 750214	13	RAD. = 1850516.8	23.0
2310	X = 1675474	21	LAT. = 24 37 25.8	1.3
	Y = -145869	26	LONG. = - 4 58 32.6	3.1
	Z = 770840	14	RAD. = 1850050.1	22.7
2312	X = 1657278	21	LAT. = 25 17 7.4	1.3
	Y = -223553	27	LONG. = - 7 40 56.5	3.2
	Z = 789965	14	RAD. = 1849484.2	23.4
2314	X = 1635775	21	LAT. = 25 53 52.2	1.3
	Y = -300858	27	LONG. = - 10 25 17.7	3.2
	Z = 807535	14	RAD. = 1848888.7	24.0
2316	X = 1611006	21	LAT. = 26 27 36.8	1.3
	Y = -377597	28	LONG. = - 13 11 28.3	3.3
	Z = 823552	14	RAD. = 1848285.1	24.6
2318	X = 1583061	21	LAT. = 26 58 4.0	1.3
	Y = -453554	28	LONG. = 15 59 14.1	3.3
	Z = 837896	14	RAD. = 1847664.2	24.6
2320	X = 1555931	21	LAT. = 27 23 43.4	1.3
	Y = -524171	29	LONG. = - 18 33 24.9	3.4
	Z = 849905	14	RAD. = 1847104.5	25.2

EXPOSURE STATIONS
MISSION 15 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2322	X = 1522498 Y = -592952 Z = 860280	21 30 15	LAT. = 27 46 4.2 LONG. = - 21 16 44.1 RAD. = 1846529.0	1.4 3.5 25.5
2324	X = 1488427 Y = -560774 Z = 869188	22 31 15	LAT. = 28 5 25.1 LONG. = - 23 56 18.3 RAD. = 1845948.4	1.4 3.6 26.1
2326	X = 1451844 Y = -727358 Z = 876643	22 31 15	LAT. = 28 21 45.1 LONG. = - 26 36 37.3 RAD. = 1845373.7	1.5 3.6 26.8
2328	X = 1412778 Y = -792714 Z = 882593	23 31 15	LAT. = 28 34 56.2 LONG. = - 29 17 43.9 RAD. = 1844805.8	1.5 3.6 27.3
2330	X = 1371364 Y = -856576 Z = 887021	23 32 16	LAT. = 28 44 56.1 LONG. = - 31 59 22.4 RAD. = 1844225.8	1.5 3.7 27.9
2332	X = 1327512 Y = -919020 Z = 860951	24 33 16	LAT. = 28 51 46.1 LONG. = - 34 41 16.1 RAD. = 1843640.4	1.5 3.9 28.5
2334	X = 1281419 Y = -979987 Z = 891331	25 36 16	LAT. = 28 55 18.1 LONG. = - 37 24 27.2 RAD. = 1843062.9	1.5 4.3 29.5
2336	X = 1233129 Y = -1039183 Z = 891234	29 42 17	LAT. = 28 55 40.6 LONG. = - 40 7 17.5 RAD. = 1842500.1	1.6 5.3 30.9
2338	X = 1182601 Y = -1096734 Z = 889571	35 51 18	LAT. = 28 52 43.1 LONG. = - 42 50 33.3 RAD. = 1841930.9	1.7 5.9 32.5
2340	X = 1130078 Y = 1152337 Z = 886403	46 63 18	LAT. = 28 46 32.7 LONG. = - 45 33 51.5 RAD. = 1841373.8	1.7 9.1 34.1
2342	X = 1075730 Y = -1203326 Z = 881724	60 73 18	LAT. = 28 37 33.5 LONG. = - 48 15 43.7 RAD. = 1840823.5	1.8 11.7 36.3

EXPOSURE STATIONS
MISSION 15 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2344	X = 1019235	77	LAT. = 28 24 28.2	2.1
	Y = -1257488	94	LONG. = 50 58 25.8	14.7
	Z = 875502	18	RAD. = 1843277.4	39.1
2346	X = 961123	98	LAT. = 28 8 37.1	2.6
	Y = -1306853	112	LONG. = - 53 40 2.8	13.1
	Z = 867778	19	RAD. = 1839744.3	42.6
2348	X = 901549	122	LAT. = 27 49 43.9	3.3
	Y = -1353784	131	LONG. = - 56 20 18.5	21.7
	Z = 858607	21	RAD. = 1839219.4	47.6

EXPOSURE STATIONS
MISSION 15 - REV 70

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2358	X = -396611 Y = 1624651 Z = -791947	14 18 16	LAT. = -25 20 23.6 LONG. = 103 43 7.5 RAD. = 1850397.8	1.9 1.7 17.5
2360	X = -320838 Y = 1650848 Z = -773062	11 15 14	LAT. = -24 41 14.5 LONG. = 100 59 53.4 RAD. = 1850908.1	1.5 1.4 15.1
2362	X = -244488 Y = 1673756 Z = -752678	12 15 16	LAT. = -23 59 15.8 LONG. = 98 18 37.8 RAD. = 1851420.4	1.8 1.5 14.8
2364	X = -167699 Y = 169309 Z = -730790	11 15 16	LAT. = -23 14 32.1 LONG. = 95 39 21.3 RAD. = 1851883.6	1.7 1.3 14.7
2366	X = -90522 Y = 1709544 Z = -707461	10 15 15	LAT. = -22 27 10.6 LONG. = 93 1 51.8 RAD. = 1852359.3	1.6 1.3 14.7
2368	X = -13272 Y = 1722362 Z = -682764	10 15 14	LAT. = -21 37 24.1 LONG. = 90 26 29.4 RAD. = 1852801.3	1.6 1.2 14.7
2370	X = 64048 Y = 1731788 Z = -656721	10 15 13	LAT. = -20 45 16.3 LONG. = 87 52 55.0 RAD. = 1853233.2	1.5 1.2 14.7
2372	X = 141273 Y = 1737825 Z = -629385	10 14 13	LAT. = -19 50 54.4 LONG. = 85 21 8.9 RAD. = 1853677.0	1.4 1.2 14.6
2374	X = 218187 Y = 174045 Z = -600836	10 14 13	LAT. = -18 54 31.0 LONG. = 82 51 15.8 RAD. = 1854090.7	1.4 1.2 14.5
2376	X = 294674 Y = 1739568 Z = -571084	10 14 13	LAT. = -17 56 8.5 LONG. = 80 23 8.3 RAD. = 1854472.0	1.4 1.2 14.3
2378	X = 370597 Y = 1735299 Z = -540221	11 15 12	LAT. = -16 55 57.8 LONG. = 77 56 41.2 RAD. = 1854843.7	1.4 1.3 14.6

EXPOSURE STATIONS
MISSION 15 - REV 70
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2380	X = 445783 Y = 1727610 Z = -508310	13 15 12	LAT. = -15 54 7.3 LONG. = 75 31 52.7 RAD. = 1855192.3	1.3 1.5 15.1
2382	X = 520019 Y = 1716532 Z = -475428	14 15 11	LAT. = -14 50 46.1 LONG. = 73 8 45.4 RAD. = 1855514.8	1.2 1.7 14.9
2384	X = 593257 Y = 1702051 Z = -441616	14 15 11	LAT. = -13 45 59.6 LONG. = 70 47 1.6 RAD. = 1855790.2	1.2 1.6 15.2
2386	X = 665283 Y = 1684273 Z = -406971	15 15 11	LAT. = -12 39 57.0 LONG. = 68 26 46.1 RAD. = 1856071.7	1.2 1.8 15.4
2388	X = 736078 Y = 1663208 Z = -371510	15 15 11	LAT. = -11 32 40.0 LONG. = 66 7 39.0 RAD. = 1856364.6	1.2 1.6 15.0
2390	X = 805378 Y = 1638870 Z = -335334	15 16 13	LAT. = -10 24 20.5 LONG. = 63 49 46.0 RAD. = 1856603.9	1.4 1.6 16.3
2392	X = 873147 Y = 1611298 Z = -298486	15 15 13	LAT. = - 9 15 1.9 LONG. = 61 32 49.8 RAD. = 1856815.1	1.4 1.5 15.4
2394	X = 939143 Y = 1580631 Z = -261088	15 16 14	LAT. = - 8 4 56.1 LONG. = 59 16 58.9 RAD. = 1857027.8	1.5 1.7 15.8
2396	X = 1003382 Y = 1546824 Z = -223171	15 16 12	LAT. = - 6 54 5.7 LONG. = 57 1 46.7 RAD. = 1857214.3	1.3 1.7 16.3
2398	X = 1065599 Y = 1510000 Z = -184835	16 16 12	LAT. = - 5 42 40.5 LONG. = 54 47 22.5 RAD. = 1857354.6	1.3 1.8 15.6
2400	X = 1125780 Y = 1470196 Z = -146112	17 16 12	LAT. = - 4 30 41.9 LONG. = 52 33 26.8 RAD. = 1857472.7	1.3 1.9 16.1

EXPOSURE STATIONS
MISSION 15 - REV 70
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2402	X = 1183722	17	LAT. = - 3 18 21.6	1.3
	Y = 427573	16	LONG. = 50 20 6.0	1.9
	Z = -107125	12	RAD. = 1857589.7	16.3
2404	X = 1239422	18	LAT. = - 2 5 36.5	1.3
	Y = 1382084	17	LONG. = 48 6 53.8	2.0
	Z = -67861	12	RAD. = 1857667.1	16.9
2406	X = 1292632	18	LAT. = - 0 52 52.0	1.2
	Y = 1333956	16	LONG. = 45 54 4.8	1.9
	Z = -28567	11	RAD. = 1857727.8	16.8
2408	X = 1343351	19	LAT. = 0 20 5.7	1.3
	Y = 1283200	17	LONG. = 43 41 17.1	2.2
	Z = 10860	11	RAD. = 1857770.7	16.6
2410	X = 1391424	20	LAT. = 1 32 57.5	1.3
	Y = 1229939	18	LONG. = 41 28 29.4	2.3
	Z = 50229	12	RAD. = 1857776.2	16.7
2412	X = 1436765	19	LAT. = 2 45 37.3	1.2
	Y = 1174283	18	LONG. = 39 15 34.1	2.3
	Z = 89467	11	RAD. = 1857751.5	16.7
2414	X = 1479326	19	LAT. = 3 58 5.9	1.2
	Y = 1116323	18	LONG. = 37 2 19.7	2.3
	Z = 128562	11	RAD. = 1857716.6	16.7
2416	X = 1518973	20	LAT. = 5 10 15.2	1.2
	Y = 1056201	18	LONG. = 34 48 44.6	2.3
	Z = 167423	11	RAD. = 1857651.9	17.1
2418	X = 1555643	20	LAT. = 6 21 54.9	1.2
	Y = 994007	18	LONG. = 32 34 38.2	2.3
	Z = 205939	11	RAD. = 1857548.5	17.4
2420	X = 1589276	20	LAT. = 7 33 1.4	1.2
	Y = 929903	19	LONG. = 30 19 56.5	2.4
	Z = 244064	11	RAD. = 1857440.7	17.9
2422	X = 1619792	21	LAT. = 8 43 27.3	1.3
	Y = 863945	20	LONG. = 28 4 26.5	2.6
	Z = 281710	12	RAD. = 1857279.9	18.5

EXPOSURE STATIONS
MISSION 15 - REV 70
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2424	X = 1647173 Y = 796307 Z = 318798	21 20 12	LAT. = 9 53 4.1 LONG. = 25 48 3.3 RAD. = 1857125.4	1.2 2.5 18.6
2426	X = 1671337 Y = 727142 Z = 355238	21 21 12	LAT. = 11 1 43.4 LONG. = 23 30 44.0 RAD. = 1856959.1	1.3 2.6 19.8
2428	X = 1692212 Y = 656473 Z = 391011	22 21 12	LAT. = 12 9 25.3 LONG. = 21 12 11.3 RAD. = 1856725.4	1.2 2.6 19.8
2430	X = 1709758 Y = 584607 Z = 426028	21 21 12	LAT. = 13 15 59.4 LONG. = 18 52 36.4 RAD. = 1856424.8	1.3 2.6 19.9
2432	X = 1723982 Y = 511624 Z = 460195	22 22 12	LAT. = 14 21 15.4 LONG. = 16 31 45.3 RAD. = 1856247.4	1.3 2.7 20.5
2434	X = 1734819 Y = 437647 Z = 493458	21 22 12	LAT. = 15 25 8.4 LONG. = 14 9 31.4 RAD. = 1855972.6	1.2 2.7 20.1
2436	X = 1742271 Y = 362729 Z = 525816	21 22 12	LAT. = 16 27 37.8 LONG. = 11 45 38.2 RAD. = 1855683.5	1.2 2.6 20.6
2438	X = 1746296 Y = 287173 Z = 557098	21 22 13	LAT. = 17 28 24.3 LONG. = 9 20 18.8 RAD. = 1855363.9	1.2 2.7 21.1
2440	X = 1746904 Y = 211022 Z = 587315	21 23 13	LAT. = 18 27 28.2 LONG. = 6 53 16.1 RAD. = 1855032.2	1.2 2.8 21.2
2442	X = 1744072 Y = 134488 Z = 616384	21 24 13	LAT. = 19 24 39.5 LONG. = 4 24 33.9 RAD. = 1854670.3	1.2 2.9 21.1
2444	X = 1737808 Y = 57658 Z = 644255	21 24 13	LAT. = 20 19 51.2 LONG. = 1 54 1.0 RAD. = 1854283.0	1.2 2.9 22.4

EXPOSURE STATIONS
MISSION 15 - REV 70
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2446	X = 1728146 Y = -19249 Z = 670848	22 26 14	LAT. = 21 12 52.2 LONG. = - 0 38 17.4 RAD. = 1853886.5	1.3 3.1 23.1
2448	X = 1715085 Y = -96152 Z = 696159	23 27 14	LAT. = 22 3 40.0 LONG. = - 3 12 31.6 RAD. = 1853482.6	1.3 3.2 24.0
2450	X = 1698660 Y = -172852 Z = 720079	22 26 14	LAT. = 22 52 .2 LONG. = - 5 48 37.1 RAD. = 1853062.1	1.3 3.1 23.7
2452	X = 1678880 Y = -249177 Z = 742613	21 27 14	LAT. = 23 37 51.6 LONG. = - 8 26 31.7 RAD. = 1852620.7	1.2 3.1 23.5
2454	X = 1655782 Y = -325057 Z = 763682	22 28 14	LAT. = 24 21 2.4 LONG. = - 11 6 24.6 RAD. = 1852157.1	1.3 3.3 24.4
2456	X = 1629415 Y = -400347 Z = 783300	21 28 14	LAT. = 25 1 30.1 LONG. = - 13 48 14.8 RAD. = 1851710.0	1.3 3.3 24.8
2458	X = 1599793 Y = -474880 Z = 801341	21 29 14	LAT. = 25 35 .1 LONG. = - 16 31 58.5 RAD. = 1851214.7	1.3 3.3 24.7
2460	X = 1567043 Y = -548383 Z = 817784	21 29 14	LAT. = 26 13 25.2 LONG. = - 19 17 14.6 RAD. = 1850708.1	1.3 3.4 25.2
2462	X = 1531188 Y = -620843 Z = 832647	21 30 14	LAT. = 26 44 43.7 LONG. = - 22 4 15.0 RAD. = 1850211.5	1.3 3.4 25.7
2464	X = 1492350 Y = -691977 Z = 845840	22 31 15	LAT. = 27 12 43.4 LONG. = - 24 52 34.9 RAD. = 1849699.1	1.4 3.5 26.4
2466	X = 1450462 Y = -761863 Z = 857411	23 32 15	LAT. = 27 37 27.9 LONG. = - 27 42 39.3 RAD. = 1849170.2	1.4 3.6 27.2

EXPOSURE STATIONS
MISSION 15 - REV 70
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2460	X = 1405704 Y = -830196 Z = 867293	23 32 16	LAT. = 27 58 46.1 LONG. = - 30 33 56.6 RAD. = 1848628.2	1.5 3.7 27.8
2470	X = 1358189 Y = -896854 Z = 875432	23 33 16	LAT. = 28 16 28.5 LONG. = - 33 26 16.8 RAD. = 1848081.2	1.5 3.8 28.3
2472	X = 1307946 Y = -961756 Z = 881840	25 35 16	LAT. = 28 30 35.4 LONG. = - 36 19 39.8 RAD. = 1847522.5	1.5 4.2 20.4
2474	X = 1255100 Y = -1024692 Z = 886521	27 40 17	LAT. = 28 41 3.7 LONG. = - 39 13 39.5 RAD. = 1846981.1	1.6 4.9 30.7
2476	X = 1199831 Y = -1085614 Z = 889444	33 49 18	LAT. = 28 47 50.4 LONG. = - 42 8 20.4 RAD. = 1846419.1	1.6 6.4 32.2
2478	X = 1142106 Y = -1144399 Z = 890581	43 61 18	LAT. = 28 50 49.9 LONG. = - 45 3 26.9 RAD. = 1845857.5	1.7 8.6 34.2
2480	X = 1082085 Y = -1200894 Z = 889972	58 76 19	LAT. = 28 50 7.0 LONG. = - 47 58 44.5 RAD. = 1845292.8	1.8 11.4 36.6
2482	X = 1019969 Y = -1254948 Z = 887596	77 93 19	LAT. = 28 45 38.0 LONG. = - 50 53 50.1 RAD. = 1844758.1	1.9 14.6 39.8
2484	X = 955687 Y = -1306581 Z = 883472	100 112 19	LAT. = 28 37 26.2 LONG. = - 53 49 .3 RAD. = 1844183.8	2.1 18.3 43.7
2485	X = 922816 Y = -1331428 Z = 880730	113 122 19	LAT. = 28 31 54.0 LONG. = - 55 16 26.7 RAD. = 1843902.0	2.3 20.3 46.2
2486	X = 889557 Y = -1355539 Z = 877554	127 131 20	LAT. = 28 25 27.5 LONG. = - 56 43 32.0 RAD. = 1843609.6	2.6 22.3 49.1

EXPOSURE STATIONS
MISSION 15 - REV 70
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2487	X = 855647	141	LAT. = 28 18 4.1	2.9
	Y = -1379111	142	LONG. = - 58 10 59.3	24.4
	Z = 873929	20	RAD. = 1843320.4	52.8
2488	X = 821692	157	LAT. = 28 9 50.4	3.4
	Y = -1401742	152	LONG. = - 59 37 17.2	26.6
	Z = 869910	21	RAD. = 1843041.3	56.4
2489	X = 786734	174	LAT. = 28 0 33.3	3.9
	Y = -1424050	163	LONG. = - 61 4 51.6	29.0
	Z = 865385	22	RAD. = 1842759.1	60.5
2490	X = 751682	192	LAT. = 27 50 27.5	4.4
	Y = -1445443	174	LONG. = - 62 31 26.2	31.5
	Z = 860476	23	RAD. = 1842484.3	65.3

EXPOSURE STATIONS
MISSION 15 - REV 72

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2626	X = -441173 Y = 1599760 Z = -813408	18 28 21	LAT. = -26 6 43.9 LONG. = 105 25 3.0 RAD. = 1848107.0	2.8 2.5 22.1
2628	X = -365592 Y = 1627608 Z = -796623	13 19 18	LAT. = -25 31 35.7 LONG. = 102 39 34.6 RAD. = 1848614.0	2.2 1.7 16.5
2630	X = -289169 Y = 1652250 Z = -778273	12 16 17	LAT. = -24 53 26.3 LONG. = 99 55 37.6 RAD. = 1849123.8	2.0 1.6 15.2
2632	X = -212280 Y = 1673582 Z = -758409	11 15 14	LAT. = -24 12 24.9 LONG. = 97 13 44.0 RAD. = 1849627.9	1.6 1.4 14.9
2634	X = -134929 Y = 1691593 Z = -737034	11 15 14	LAT. = -23 28 35.3 LONG. = 94 33 37.9 RAD. = 1850110.9	1.6 1.3 15.0
2636	X = -57339 Y = 1706248 Z = -714216	10 15 14	LAT. = -22 42 7.7 LONG. = 91 55 28.9 RAD. = 1850587.3	1.5 1.3 14.9
2638	X = 20373 Y = 1717515 Z = -689985	10 15 14	LAT. = -21 53 8.3 LONG. = 89 19 13.4 RAD. = 1851041.0	1.6 1.3 15.0
2640	X = 98115 Y = 1725412 Z = -664368	10 15 14	LAT. = -21 1 41.4 LONG. = 86 44 43.4 RAD. = 1851501.8	1.6 1.2 14.9
2642	X = 175526 Y = 1729864 Z = -637512	10 15 13	LAT. = -20 8 7.7 LONG. = 84 12 22.1 RAD. = 1851934.3	1.5 1.2 14.9
2644	X = 252596 Y = 1730931 Z = -609387	11 15 13	LAT. = -19 12 24.0 LONG. = 81 41 50.7 RAD. = 1852371.8	1.4 1.2 14.8
2646	X = 329233 Y = 1738554 Z = -590015	11 15 13	LAT. = -18 14 39.5 LONG. = 79 12 58.3 RAD. = 1852767.2	1.4 1.3 15.1

EXPOSURE STATIONS
MISSION 15 - REV 72
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2648	X = 405148	11	LAT. = -17 15 7.1	1.4
	Y = 1722807	15	LONG. = 76 45 58.9	1.4
	Z = -549606	13	RAD. = 1853180.3	15.3
2650	X = 480336	13	LAT. = -16 13 48.8	1.4
	Y = 1713637	15	LONG. = 74 20 30.2	1.5
	Z = -518064	13	RAD. = 1853554.7	15.2
2652	X = 554518	15	LAT. = -15 10 57.0	1.4
	Y = 1701092	16	LONG. = 71 56 42.7	1.8
	Z = -485526	12	RAD. = 1853898.5	15.3
2654	X = 627635	14	LAT. = -14 6 37.0	1.2
	Y = 1685222	15	LONG. = 69 34 22.6	1.7
	Z = -452045	11	RAD. = 1854249.8	15.2
2656	X = 699399	16	LAT. = -13 1 2.0	1.2
	Y = 1666038	16	LONG. = 67 13 38.8	1.8
	Z = -417725	11	RAD. = 1854544.1	15.6
2658	X = 769870	16	LAT. = -11 54 11.4	1.3
	Y = 1643601	16	LONG. = 64 54 5.0	1.8
	Z = -382580	12	RAD. = 1854855.8	15.8
2660	X = 838805	15	LAT. = -10 46 10.6	1.4
	Y = 1617960	16	LONG. = 62 35 46.5	1.7
	Z = -346652	12	RAD. = 1855143.2	16.2
2662	X = 906114	15	LAT. = - 9 37 11.6	1.4
	Y = 1589133	16	LONG. = 60 18 30.5	1.7
	Z = -310058	12	RAD. = 1855403.6	16.2
2664	X = 971664	16	LAT. = - 8 27 23.5	1.4
	Y = 1557187	17	LONG. = 58 2 11.0	1.8
	Z = -272889	13	RAD. = 1855648.5	17.1
2666	X = 1035289	16	LAT. = - 7 16 51.8	1.5
	Y = 1522215	16	LONG. = 55 46 46.5	1.8
	Z = -235208	14	RAD. = 1855878.3	16.4
2668	X = 1096894	16	LAT. = - 6 5 40.2	1.3
	Y = 1484258	16	LONG. = 53 32 5.7	1.8
	Z = -197057	12	RAD. = 1856079.4	16.2

EXPOSURE STATIONS
MISSION 15 - REV 72
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2670	X = 1156393	18	LAT. = - 4 53 52.0	1.4
	Y = 1443385	17	LONG. = 51 17 58.0	1.9
	Z = -158485	13	RAD. = 1856266.6	17.1
2672	X = 1213653	18	LAT. = - 3 41 36.8	1.3
	Y = 1399666	17	LONG. = 49 4 16.9	2.0
	Z = -119591	12	RAD. = 1856426.8	16.8
2674	X = 1268113	18	LAT. = - 2 29 38.7	1.3
	Y = 1353581	17	LONG. = 46 52 1.9	2.0
	Z = -80790	12	RAD. = 1856561.5	17.0
2676	X = 1322177	18	LAT. = - 1 14 32.8	1.3
	Y = 1302868	17	LONG. = 44 34 42.8	2.1
	Z = -40259	11	RAD. = 1856674.2	16.6
2678	X = 1375943	19	LAT. = 0 4 24.2	1.3
	Y = 1246733	18	LONG. = 42 10 46.3	2.2
	Z = 2379	12	RAD. = 1856762.8	16.9
2680	X = 1426568	19	LAT. = 1 23 22.3	1.3
	Y = 1187716	18	LONG. = 39 46 46.9	2.2
	Z = 45027	11	RAD. = 1856823.3	17.1
2682	X = 1473921	19	LAT. = 2 42 10.5	1.2
	Y = 1125974	18	LONG. = 37 22 38.4	2.2
	Z = 87564	11	RAD. = 1856859.5	16.8
2684	X = 1517909	19	LAT. = 4 0 44.7	1.2
	Y = 1061590	18	LONG. = 34 58 5.0	2.3
	Z = 129929	11	RAD. = 1856852.8	16.7
2686	X = 1553391	20	LAT. = 5 18 50.7	1.2
	Y = 994839	18	LONG. = 32 33 11.4	2.4
	Z = 171972	11	RAD. = 1856841.5	17.2
2688	X = 1595294	20	LAT. = 6 36 23.5	1.2
	Y = 925764	20	LONG. = 30 7 37.2	2.5
	Z = 213623	11	RAD. = 1856781.1	17.7
2690	X = 1638532	21	LAT. = 7 53 14.8	1.3
	Y = 854533	20	LONG. = 27 41 18.7	2.5
	Z = 254791	12	RAD. = 1856702.8	13.5

EXPOSURE STATIONS
MISSION 15 - REV 72
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2692	X = 1658035 Y = 781449 Z = 295341	21 20 12	LAT. = 9 9 11.8 LONG. = 25 14 5.0 RAD. = 1856601.0	1.2 2.5 18.7
2694	X = 1683733 Y = 706559 Z = 335217	22 21 12	LAT. = 10 24 9.6 LONG. = 22 45 53.3 RAD. = 1856489.9	1.3 2.6 20.0
2696	X = 1705571 Y = 629977 Z = 374369	21 21 12	LAT. = 11 38 4.8 LONG. = 20 16 20.7 RAD. = 1856339.2	1.3 2.6 19.6
2698	X = 1722547 Y = 556477 Z = 410485	22 21 12	LAT. = 12 46 35.2 LONG. = 17 54 11.9 RAD. = 1856160.8	1.3 2.6 20.3
2700	X = 1735747 Y = 483479 Z = 444993	21 21 12	LAT. = 13 52 21.5 LONG. = 15 33 53.2 RAD. = 1855959.8	1.2 2.6 19.8
2702	X = 1745559 Y = 409577 Z = 478630	21 22 12	LAT. = 14 56 47.4 LONG. = 13 12 17.9 RAD. = 1855751.8	1.2 2.7 20.1
2704	X = 1751969 Y = 334842 Z = 511340	22 23 13	LAT. = 15 59 47.0 LONG. = 10 49 12.2 RAD. = 1855528.2	1.3 2.8 20.9
2706	X = 1754936 Y = 259461 Z = 543059	21 23 13	LAT. = 17 1 13.3 LONG. = 8 24 36.2 RAD. = 1855271.6	1.3 2.8 20.9
2708	X = 1754485 Y = 183583 Z = 573722	22 23 13	LAT. = 18 0 57.4 LONG. = 5 58 24.6 RAD. = 1855013.6	1.3 2.8 21.7
2710	X = 1750565 Y = 107307 Z = 603296	21 27 13	LAT. = 18 58 56.6 LONG. = 3 30 27.9 RAD. = 1854712.8	1.3 3.2 21.9
2712	X = 1743247 Y = 30850 Z = 631667	22 25 13	LAT. = 19 54 54.6 LONG. = 1 0 49.8 RAD. = 1854417.5	1.3 3.0 22.8

EXPOSURE STATIONS
MISSION 15 - REV 72
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2714	X = 1732474 Y = -45642 Z = 658702	22 23 13	LAT. = 20 48 46.6 LONG. = - 1 30 32.8 RAD. = 1854060.7	1.3 3.0 22.7
2716	X = 1718325 Y = -122095 Z = 684657	21 26 13	LAT. = 21 40 29.9 LONG. = - 4 3 51.5 RAD. = 1853727.1	1.3 3.0 22.9
2718	X = 1700803 Y = -198178 Z = 709146	21 27 14	LAT. = 22 29 48.1 LONG. = - 6 38 46.1 RAD. = 1853347.0	1.3 3.2 23.5
2720	X = 1679914 Y = -274041 Z = 732284	21 27 13	LAT. = 23 16 41.9 LONG. = - 9 15 53.8 RAD. = 1852956.9	1.2 3.1 23.4
2722	X = 1655727 Y = -349315 Z = 754001	21 27 14	LAT. = 24 1 .7 LONG. = - 11 54 47.6 RAD. = 1852558.1	1.2 3.2 23.9
2724	X = 1628275 Y = -425881 Z = 774232	21 28 14	LAT. = 24 42 35.3 LONG. = - 14 35 30.1 RAD. = 1852128.9	1.2 3.2 24.2
2726	X = 1597594 Y = -497704 Z = 792975	21 29 14	LAT. = 25 21 21.3 LONG. = - 17 18 12.9 RAD. = 1851709.2	1.3 3.3 24.6
2728	X = 1563706 Y = -570460 Z = 810129	21 29 14	LAT. = 25 57 4.8 LONG. = - 20 2 29.6 RAD. = 1851268.0	1.3 3.3 25.1
2730	X = 1526911 Y = -642103 Z = 825689	21 30 14	LAT. = 26 29 42.5 LONG. = - 22 3 23.5 RAD. = 1850814.7	1.3 3.4 25.7
2732	X = 1487000 Y = -712466 Z = 839658	22 31 15	LAT. = 26 59 10.0 LONG. = - 25 36 1.8 RAD. = 1850342.8	1.4 3.6 26.7
2734	X = 1444104 Y = -781430 Z = 851968	22 31 15	LAT. = 27 25 20.9 LONG. = - 28 25 13.2 RAD. = 1849857.1	1.4 3.6 27.0

EXPOSURE STATIONS
MISSION 15 - REV 72
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2736	X = 1398424	23	LAT. = 27 48 5.7	1.4
	Y = -848841	32	LONG. = - 31 15 27.6	3.7
	Z = 862562	15	RAD. = 184°360.5	27.8
2738	X = 1349938	23	LAT. = 28 7 22.8	1.5
	Y = -914583	33	LONG. = - 34 7 3.5	3.8
	Z = 871491	16	RAD. = 184°8862.7	28.6

EXPOSURE STATIONS
MISSION 16 - NOV 67

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G11	X = -1670045	73	LAT. = 7 15 12.1	3.6
	Y = 786108	79	LONG. = 154 57 42.7	9.8
	Z = 234602	33	RAD. = 1858132.5	62.3
G12	X = -1638221	68	LAT. = 7 1 18.7	3.4
	Y = 847789	75	LONG. = 152 38 17.4	9.3
	Z = 227202	31	RAD. = 1858530.7	57.5
G13	X = -1603635	65	LAT. = 6 46 41.9	3.3
	Y = 914213	70	LONG. = 150 18 47.0	8.8
	Z = 219404	29	RAD. = 1858916.5	54.2
G14	X = -1566450	62	LAT. = 6 31 24.1	3.1
	Y = 979041	59	LONG. = 147 59 39.7	7.5
	Z = 211229	28	RAD. = 1859275.5	53.2
G15	X = -1526765	54	LAT. = 6 15 32.4	2.9
	Y = 1042209	48	LONG. = 145 40 53.6	5.9
	Z = 202745	27	RAD. = 1859654.9	49.6
G16	X = -1484507	48	LAT. = 5 59 2.3	2.8
	Y = 1103736	45	LONG. = 143 22 8.6	5.3
	Z = 193906	25	RAD. = 1859998.0	45.7
G17	X = -1439814	46	LAT. = 5 41 57.1	2.7
	Y = 1163414	44	LONG. = 141 3 38.6	5.1
	Z = 184739	24	RAD. = 1860302.6	43.8
G18	X = -1392729	41	LAT. = 5 24 20.8	2.6
	Y = 1221229	42	LONG. = 138 45 13.5	4.9
	Z = 175284	24	RAD. = 1860596.2	42.3
G19	X = -1343362	42	LAT. = 5 6 10.5	2.5
	Y = 1277029	40	LONG. = 136 27 1.4	4.7
	Z = 165515	23	RAD. = 1860865.3	40.7
G20	X = -1291811	41	LAT. = 4 47 54.8	2.5
	Y = 1350749	39	LONG. = 134 8 51.8	4.6
	Z = 155510	22	RAD. = 1861142.9	39.1
G21	X = 1283111	40	LAT. = 4 33 50.0	2.4
	Y = 1429749	37	LONG. = 132 19 50.7	4.4
	Z = 145510	21	RAD. = 1861420.7	37.7

EXPOSURE STATIONS
MISSION 16 - REV 17
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G22	X = -1182379 Y = 1431555 Z = 134710	37 36 21	LAT. = 4 8 59.0 LONG. = 129 33 16.8 RAD. = 1861589.9	2.3 4.1 35.8
G23	X = -1124779 Y = 1478446 Z = 123990	36 36 21	LAT. = 3 49 6.8 LONG. = 127 15 47.9 RAD. = 1861801.7	2.3 4.0 35.6
G24	X = -1065351 Y = 1522876 Z = 113076	35 34 20	LAT. = 3 28 54.0 LONG. = 124 58 31.1 RAD. = 1861964.2	2.2 3.8 34.4
G25	X = -1004174 Y = 1564826 Z = 101996	33 32 19	LAT. = 3 8 23.7 LONG. = 122 41 20.1 RAD. = 1862108.9	2.1 3.6 31.8
G26	X = -941315 Y = 1604284 Z = 90734	31 31 18	LAT. = 2 47 33.7 LONG. = 120 24 8.3 RAD. = 1862265.7	2.0 3.5 31.1
G27	X = -876930 Y = 1641065 Z = 79297	30 30 18	LAT. = 2 26 25.2 LONG. = 118 7 6.8 RAD. = 1862361.4	2.0 3.2 30.4
G28	X = -811089 Y = 1675171 Z = 67749	27 28 17	LAT. = 2 5 4.9 LONG. = 115 50 7.7 RAD. = 1862432.1	1.9 3.0 28.8
G29	X = -743368 Y = 1706525 Z = 56110	26 27 17	LAT. = 1 43 34.9 LONG. = 113 33 18.1 RAD. = 1862422.7	1.8 2.9 27.7
G30	X = -675599 Y = 1735102 Z = 44320	26 27 16	LAT. = 1 21 48.7 LONG. = 111 16 28.2 RAD. = 1862518.5	1.8 2.9 27.0
G31	X = -606149 Y = 1763883 Z = 32509	24 25 16	LAT. = 1 0 1.3 LONG. = 108 59 42.0 RAD. = 1862574.3	1.7 2.6 25.3
G32	X = -535932 Y = 1783665 Z = 20653	23 24 14	LAT. = 0 38 7.2 LONG. = 106 43 25.6 RAD. = 1862550.5	1.5 2.1 21.4

EXPOSURE STATIONS
MISSION 16 - REV 17
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G33	X = -454667 Y = 1806157 Z = 7034	17 19 13	LAT. = 0 12 58.9 LONG. = 104 7 46.5 RAD. = 1862517.9	1.4 1.8 19.7
G34	X = -370059 Y = 1825308 Z = -6929	16 17 11	LAT. = - 0 12 47.4 LONG. = 101 27 33.5 RAD. = 1862455.7	1.2 1.7 17.4
G35	X = -284607 Y = 1840355 Z = -20866	15 15 11	LAT. = - 0 38 31.1 LONG. = 98 47 27.7 RAD. = 1862348.3	1.2 1.6 15.4
G36	X = -198491 Y = 1851294 Z = -34798	14 16 11	LAT. = - 1 4 14.5 LONG. = 96 7 11.0 RAD. = 1862229.9	1.2 1.5 16.2
G37	X = -111922 Y = 1858017 Z = -48619	15 16 10	LAT. = - 1 29 46.4 LONG. = 93 26 49.8 RAD. = 1862019.5	1.1 1.5 15.7
G38	X = -25067 Y = 1860627 Z = -62379	13 14 10	LAT. = - 1 55 12.0 LONG. = 90 46 18.7 RAD. = 1861841.2	1.1 1.5 13.8
G39	X = 61902 Y = 1859053 Z = -76007	12 14 9	LAT. = - 2 20 23.8 LONG. = 88 5 34.4 RAD. = 1861636.0	1.0 1.3 13.9
G40	X = 148794 Y = 1853340 Z = -89492	13 15 10	LAT. = - 2 45 20.2 LONG. = 85 24 35.7 RAD. = 1861461.8	1.1 1.4 14.6
G41	X = 235352 Y = 1843360 Z = -102744	12 16 10	LAT. = - 3 9 52.5 LONG. = 82 43 26.8 RAD. = 1861162.1	1.1 1.3 15.8
G42	X = 321329 Y = 1829267 Z = -115773	15 13 12	LAT. = - 3 34 .9 LONG. = 80 2 13.4 RAD. = 1860879.9	1.3 1.6 19.0
G43	X = 406040 Y = 1811069 Z = -128575	18 20 15	LAT. = - 3 57 45.0 LONG. = 77 20 42.8 RAD. = 1860607.2	1.7 1.9 21.0

EXPOSURE STATIONS
MISSION 16 - REV 17
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G44	X = 490906	19	LAT. = - 4 20 49.2	1.8
	Y = 1788702	20	LONG. = 74 39 11.3	2.1
	Z = -140997	16	RAD. = 1860194.4	21.0
G45	X = 574077	15	LAT. = - 4 43 25.3	1.5
	Y = 1762331	20	LONG. = 71 57 25.3	1.7
	Z = -153156	14	RAD. = 1859793.8	19.8
G46	X = 656100	17	LAT. = - 5 5 20.5	1.6
	Y = 1732010	20	LONG. = 69 15 10.5	1.8
	Z = -164939	14	RAD. = 1859443.6	20.9
G47	X = 732674	17	LAT. = - 5 25 42.2	1.6
	Y = 1699468	19	LONG. = 66 40 41.5	1.8
	Z = -175865	14	RAD. = 1859013.8	19.9
G48	X = 805424	17	LAT. = - 5 44 42.2	1.8
	Y = 1664620	19	LONG. = 64 10 48.2	1.9
	Z = -186047	16	RAD. = 1858569.7	19.2
G49	X = 876664	18	LAT. = - 6 3 8.9	1.4
	Y = 1626614	19	LONG. = 61 40 39.2	1.9
	Z = -195924	13	RAD. = 1858171.1	19.0
G50	X = 946254	20	LAT. = - 6 20 54.8	1.5
	Y = 1585406	19	LONG. = 59 10 8.5	2.2
	Z = -205419	13	RAD. = 1857715.2	19.5
G51	X = 1014013	19	LAT. = - 6 37 57.6	1.5
	Y = 1541145	21	LONG. = 56 39 24.0	2.1
	Z = -214518	14	RAD. = 1857247.8	21.2
G52	X = 1079858	20	LAT. = - 6 54 16.7	1.7
	Y = 1493935	19	LONG. = 54 8 22.3	2.0
	Z = -223221	15	RAD. = 1856815.4	20.0
G53	X = 1143613	22	LAT. = - 7 9 51.8	1.8
	Y = 1443781	20	LONG. = 51 37 2.2	2.2
	Z = -231516	17	RAD. = 1856331.4	23.1
G54	X = 1205184	26	LAT. = - 7 24 32.8	1.9
	Y = 1390835	20	LONG. = 49 5 25.7	2.5
	Z = -259318	17	RAD. = 1855842.3	25.8

EXPOSURE STATIONS
MISSION 16 - REV 17
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G55	X = 1264398	26	LAT. = - 7 73 29.9	2.1
	Y = 1335089	24	LONG. = 46 33 27.8	2.4
	Z = -246708	19	RAD. = 1855271.0	27.9
G56	X = 1321137	27	LAT. = - 7 51 31.9	2.1
	Y = 1276784	24	LONG. = 44 1 18.8	2.7
	Z = -253599	19	RAD. = 1854694.6	27.6
G57	X = 1375364	29	LAT. = - 8 3 44.3	2.2
	Y = 1216000	28	LONG. = 41 28 51.1	3.1
	Z = -260045	20	RAD. = 1854159.2	28.7
G58	X = 1426875	32	LAT. = - 8 14 57.8	2.3
	Y = 1152799	30	LONG. = 38 56 7.4	3.6
	Z = -265951	21	RAD. = 1853550.0	31.1
G59	X = 1475565	35	LAT. = - 8 25 15.5	2.4
	Y = 1087499	34	LONG. = 36 23 25.4	4.1
	Z = -271362	22	RAD. = 1852992.9	32.5
G60	X = 1521465	36	LAT. = - 8 34 31.5	2.5
	Y = 1019982	39	LONG. = 33 50 15.7	4.6
	Z = -276219	23	RAD. = 1852434.5	34.3
G61	X = 1564449	38	LAT. = - 8 42 49.8	2.5
	Y = 950466	40	LONG. = 31 16 49.3	4.8
	Z = -280565	23	RAD. = 1851918.3	34.9
G62	X = 1604320	40	LAT. = - 8 50 6.2	2.6
	Y = 879115	43	LONG. = 28 43 16.7	5.2
	Z = -284352	24	RAD. = 1851362.7	36.4
G63	X = 1641026	42	LAT. = - 8 56 22.7	2.8
	Y = 806027	47	LONG. = 26 9 32.4	5.7
	Z = -287599	25	RAD. = 1850772.2	38.7
G64	X = 1674622	48	LAT. = - 9 1 34.6	2.9
	Y = 731294	52	LONG. = 23 35 25.8	6.1
	Z = -290280	27	RAD. = 1850246.1	44.5
G65	X = 1704843	40	LAT. = - 9 5 45.8	3.1
	Y = 655116	58	LONG. = 21 1 12.3	6.8
	Z = -292411	28	RAD. = 1849645.5	46.0

EXPOSURE STATIONS
MISSION 16 - REV 17
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G66	X = 1731744	50	LAT. = - 9 8 52.1	3.1
	Y = 577659	61	LONG. = 18 26 47.9	7.2
	Z = -293968	29	RAD. = 1849066.3	47.5
G67	X = 1755216	52	LAT. = - 9 10 52.1	3.7
	Y = 499144	65	LONG. = 15 52 28.5	7.6
	Z = -294938	29	RAD. = 1848489.9	49.4
G68	X = 1775224	54	LAT. = - 9 11 47.0	3.3
	Y = 419544	69	LONG. = 13 17 48.9	8.0
	Z = -295326	30	RAD. = 1847878.1	51.1

EXPOSURE STATIONS
MISSION 16 - REV 29

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K09	X = -1483748 Y = 1035310 Z = 237093	49 45 26	LAT. = 7 20 56.6 LONG. = 143 48 56.9 RAD. = 1853542.3	2.9 5.4 46.8
K10	X = -1435504 Y = 1150578 Z = 229010	46 43 25	LAT. = 7 5 44.9 LONG. = 141 17 14.3 RAD. = 1853900.1	2.7 5.1 44.2
K11	X = -1384478 Y = 1213633 Z = 220481	44 42 24	LAT. = 6 49 44.0 LONG. = 138 45 43.9 RAD. = 1854263.9	2.6 4.9 42.3
K12	X = -1330709 Y = 1274408 Z = 211475	42 40 23	LAT. = 6 32 50.9 LONG. = 136 14 17.0 RAD. = 1854622.4	2.5 4.7 40.4
K13	X = -1274421 Y = 1332636 Z = 202073	41 38 22	LAT. = 6 15 14.4 LONG. = 133 43 14.9 RAD. = 1854966.8	2.4 4.5 39.3
K14	X = -1215701 Y = 1388256 Z = 192300	38 37 21	LAT. = 5 56 57.5 LONG. = 131 12 31.5 RAD. = 1855306.5	2.3 4.3 37.0
K15	X = -1154574 Y = 1441198 Z = 182173	36 35 20	LAT. = 5 38 2.5 LONG. = 128 41 56.2 RAD. = 1855607.7	2.2 4.0 34.7
K16	X = -1091216 Y = 1491343 Z = 171667	34 33 20	LAT. = 5 18 26.5 LONG. = 126 11 34.6 RAD. = 1855890.0	2.2 3.7 33.2
K17	X = -1025775 Y = 1538633 Z = 160838	32 31 19	LAT. = 4 58 15.3 LONG. = 123 41 22.5 RAD. = 1856177.3	2.1 3.6 31.4
K18	X = -960045 Y = 1586111 Z = 149729	31 30 18	LAT. = 4 37 34.1 LONG. = 121 11 31.9 RAD. = 1856453.3	2.0 3.4 30.2
K19	X = -889093 Y = 1624112 Z = 138709	29 29 17	LAT. = 4 16 18.7 LONG. = 118 41 52.4 RAD. = 1856707.9	1.9 3.2 29.2

EXPOSURE STATIONS
MISSION 16 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K20	X = -818152 Y = 1662170 Z = 126668	27 27 17	LAT. = 3 54 40.9 LONG. = 116 12 26.3 RAD. = 1856939.8	1.8 3.0 27.8
K21	X = -745688 Y = 1697001 Z = 114710	25 26 16	LAT. = 3 32 28.4 LONG. = 113 43 17.0 RAD. = 1857154.1	1.7 2.8 26.3
K22	X = -671668 Y = 1728624 Z = 102555	24 24 15	LAT. = 3 9 54.8 LONG. = 111 14 2.2 RAD. = 1857362.8	1.7 2.6 24.3
K23	X = -596470 Y = 1756840 Z = 90219	22 23 14	LAT. = 2 47 2.1 LONG. = 108 45 10.8 RAD. = 1857525.4	1.6 2.4 23.7
K24	X = -520103 Y = 1781711 Z = 77683	21 21 13	LAT. = 2 23 47.8 LONG. = 106 16 23.4 RAD. = 1857696.1	1.5 2.3 21.1
K25	X = -442702 Y = 1803159 Z = 65009	17 18 12	LAT. = 2 0 19.0 LONG. = 103 47 38.8 RAD. = 1857846.8	1.3 1.8 18.7
K26	X = -364455 Y = 1821140 Z = 52210	16 16 11	LAT. = 1 36 36.8 LONG. = 101 19 .5 RAD. = 1857983.6	1.2 1.7 16.3
K27	X = -285522 Y = 1835617 Z = 39336	14 16 11	LAT. = 1 12 46.9 LONG. = 98 50 28.6 RAD. = 1858106.4	1.2 1.6 16.3
K28	X = -206055 Y = 1846519 Z = 26373	13 15 10	LAT. = 0 48 47.6 LONG. = 96 22 2.4 RAD. = 1858167.3	1.1 1.5 15.0
K29	X = -126154 Y = 1853930 Z = 13360	14 15 10	LAT. = 0 24 43.0 LONG. = 93 53 34.1 RAD. = 1858265.2	1.1 1.5 14.9
K30	X = -45892 Y = 1857772 Z = 276	13 13 9	LAT. = 0 0 30.6 LONG. = 91 24 54.3 RAD. = 1858338.9	1.0 1.4 13.2

EXPOSURE STATIONS
MISSION 16 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K31	X = 34449	12	LAT. = - 0 23 36.3	1.0
	Y = 1857997	13	LONG. = 88 56 16.1	1.3
	Z = -12760	9	RAD. = 1858360.5	12.7
K32	X = 114754	12	LAT. = - 0 47 47.8	1.0
	Y = 1854679	14	LONG. = 86 27 34.1	1.3
	Z = -25838	9	RAD. = 1858405.2	13.6
K33	X = 194880	16	LAT. = - 1 11 51.7	1.1
	Y = 1847782	14	LONG. = 83 58 46.0	1.7
	Z = -38846	10	RAD. = 1858436.7	13.7
K34	X = 274551	14	LAT. = - 1 35 47.7	1.1
	Y = 1837303	14	LONG. = 81 30 4.0	1.5
	Z = -51779	10	RAD. = 1858424.5	14.2
K35	X = 353671	15	LAT. = - 1 59 32.5	1.2
	Y = 1823274	16	LONG. = 79 1 20.4	1.7
	Z = -64609	11	RAD. = 1858382.4	16.6
K36	X = 432043	15	LAT. = - 2 23 3.8	1.2
	Y = 1805776	15	LONG. = 76 32 40.5	1.6
	Z = -77314	11	RAD. = 1858350.1	16.3
K37	X = 509667	17	LAT. = - 2 46 12.6	1.4
	Y = 1784793	17	LONG. = 74 3 45.8	1.9
	Z = -89811	13	RAD. = 1858309.6	17.1
K38	X = 586261	17	LAT. = - 3 9 13.2	1.4
	Y = 1760366	19	LONG. = 71 34 49.8	1.9
	Z = -102229	13	RAD. = 1858236.4	19.1
K39	X = 661757	17	LAT. = - 3 31 51.1	1.3
	Y = 1732555	17	LONG. = 69 5 43.5	1.8
	Z = -114437	12	RAD. = 1858161.8	16.8
K40	X = 735951	16	LAT. = - 3 53 57.1	1.4
	Y = 1701376	16	LONG. = 66 36 30.6	1.8
	Z = -126348	13	RAD. = 1858027.8	16.1
K41	X = 818707	17	LAT. = - 4 15 40.3	1.4
	Y = 1660117	16	LONG. = 63 7 9.2	1.8
	Z = -138111	13	RAD. = 1857942.9	16.7

EXPOSURE STATIONS
MISSION 16 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K42	X = 880674	18	LAT. = - 4 36 59.2	1.6
	Y = 1629168	19	LONG. = 61 37 19.7	2.0
	Z = -149517	14	RAD. = 1857706.8	19.2
K43	X = 949596	18	LAT. = - 4 57 48.1	1.6
	Y = 1588286	18	LONG. = 59 7 23.5	1.9
	Z = -160710	14	RAD. = 1857526.1	18.8
K44	X = 1017478	18	LAT. = - 5 18 5.0	1.8
	Y = 1544399	19	LONG. = 56 37 20.6	1.9
	Z = -171613	16	RAD. = 1857385.7	19.8
K45	X = 1083359	19	LAT. = - 5 37 43.2	1.6
	Y = 1497444	18	LONG. = 54 6 55.1	1.9
	Z = -182156	14	RAD. = 1857198.5	19.6

EXPOSURE STATIONS
MISSION 16 - REV 47

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N10	X = -1078734 Y = 1478710 Z = 236785	34 33 20	LAT. = 7 22 15.9 LONG. = 126 6 40.1 RAD. = 1845621.4	2.2 3.9 33.0
N11	X = -1017748 Y = 1522915 Z = 229124	32 32 19	LAT. = 7 7 48.2 LONG. = 123 45 15.8 RAD. = 1845962.7	2.1 3.7 31.6
N12	X = -954973 Y = 1564583 Z = 221040	32 31 19	LAT. = 6 52 33.7 LONG. = 121 23 55.0 RAD. = 1846280.5	2.0 3.7 30.5
N13	X = -890681 Y = 1603568 Z = 212591	30 30 18	LAT. = 6 36 39.1 LONG. = 119 2 57.9 RAD. = 1846601.9	2.0 3.4 29.7
N14	X = -824919 Y = 1639856 Z = 203805	28 28 18	LAT. = 6 20 7.3 LONG. = 116 42 15.8 RAD. = 1846931.3	1.9 3.1 28.8
N15	X = -757740 Y = 1673415 Z = 194673	27 27 17	LAT. = 6 2 57.6 LONG. = 114 21 41.5 RAD. = 1847264.7	1.9 2.9 27.8
N16	X = -689780 Y = 170475 Z = 18592	25 25 16	LAT. = 5 45 9.5 LONG. = 112 1 17.9 RAD. = 1847597.6	1.8 2.7 25.5
N17	X = -619722 Y = 1732039 Z = 175431	23 24 15	LAT. = 5 26 51.1 LONG. = 109 41 13.7 RAD. = 1847915.2	1.7 2.6 23.7
N18	X = -549155 Y = 1757099 Z = 165380	20 22 14	LAT. = 5 8 1.2 LONG. = 107 21 24.0 RAD. = 1848243.0	1.6 2.2 22.8
N19	X = -477573 Y = 1779098 Z = 155044	19 19 13	LAT. = 4 48 40.0 LONG. = 105 1 33.6 RAD. = 1848595.0	1.4 2.1 19.7
N20	X = -405210 Y = 1798185 Z = 144452	16 18 12	LAT. = 4 28 51.4 LONG. = 102 41 56.9 RAD. = 1848927.4	1.3 1.8 18.2

EXPOSURE STATIONS
MISSION 16 - REV 47
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N21	X = -332184 Y = 1814265 Z = 133585	15 17 11	LAT. = 4 8 32.9 LONG. = 100 22 32.4 RAD. = 1849256.7	1.2 1.6 16.8
N22	X = -258582 Y = 1827316 Z = 122518	14 16 11	LAT. = 3 47 53.1 LONG. = 93 3 15.9 RAD. = 1849583.5	1.2 1.5 15.8
N23	X = -184563 Y = 1837336 Z = 111270	13 15 10	LAT. = 3 26 53.9 LONG. = 95 44 10.4 RAD. = 1849931.6	1.1 1.5 14.9
N24	X = -110239 Y = 1844255 Z = 99836	13 14 10	LAT. = 3 5 35.1 LONG. = 93 25 14.7 RAD. = 1850242.7	1.1 1.4 13.8
N25	X = -35702 Y = 1848130 Z = 88213	14 14 9	LAT. = 2 43 55.9 LONG. = 91 6 24.2 RAD. = 1850578.0	1.0 1.6 13.7
N26	X = 39812 Y = 1848905 Z = 76276	14 13 9	LAT. = 2 21 42.6 LONG. = 88 45 59.2 RAD. = 1850905.5	1.0 1.6 13.0
N27	X = 120215 Y = 1846262 Z = 63437	13 14 10	LAT. = 1 57 49.4 LONG. = 86 16 28.5 RAD. = 1851259.0	1.1 1.4 13.8
N28	X = 200389 Y = 1840047 Z = 50487	14 14 10	LAT. = 1 33 44.8 LONG. = 83 47 5.0 RAD. = 1851614.6	1.1 1.6 14.1
N29	X = 280234 Y = 1830269 Z = 37414	13 14 10	LAT. = 1 9 27.3 LONG. = 81 17 42.0 RAD. = 1851976.3	1.1 1.5 14.3
N30	X = 359478 Y = 1816926 Z = 24249	14 15 10	LAT. = 0 45 LONG. = 78 48 30.9 RAD. = 1852301.7	1.1 1.5 15.1
N31	X = 433001 Y = 1800097 Z = 11045	15 17 11	LAT. = 0 20 29.7 LONG. = 76 19 28.2 RAD. = 1852650.9	1.3 1.8 17.5

EXPOSURE STATIONS
MISSION 16 - REV 47
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N32	X = 515618	16	LAT. = - 0 3 57.9	1.3
	Y = 1779805	18	LONG. = 73 50 36.4	1.8
	Z = -2137	12	RAD. = 1852990.2	17.7
N33	X = 592307	16	LAT. = - 0 28 26.1	1.3
	Y = 1756025	18	LONG. = 71 21 38.8	1.9
	Z = -15329	12	RAD. = 1853290.9	17.3
N34	X = 667834	17	LAT. = - 0 52 51.3	1.2
	Y = 1728897	18	LONG. = 68 52 46.4	1.9
	Z = -28498	11	RAD. = 1853617.5	17.2
N35	X = 742078	16	LAT. = - 1 17 10.6	1.2
	Y = 1698367	17	LONG. = 65 23 51.8	1.8
	Z = -41616	11	RAD. = 1853877.5	16.5
N36	X = 814937	17	LAT. = - 1 41 21.4	1.3
	Y = 1664594	17	LONG. = 63 54 53.9	1.9
	Z = -54660	11	RAD. = 1854180.4	17.0
N37	X = 886225	19	LAT. = 2 5 20.5	1.4
	Y = 1627594	20	LONG. = 61 25 54.1	2.1
	Z = -67599	13	RAD. = 1854460.8	20.3
N38	X = 955831	18	LAT. = - 2 6.4	1.4
	Y = 1587421	19	LONG. = 48.0	2.1
	Z = -80421	12	RAD. = 1854719.6	18.3
N39	X = 1023588	18	LAT. = - 2 52 34.2	1.3
	Y = 1544198	18	LONG. = 56 27 40.2	2.0
	Z = -93078	12	RAD. = 1854977.6	17.7
N40	X = 1089355	19	LAT. = - 3 15 44.2	1.4
	Y = 1497989	18	LONG. = 53 58 29.7	2.2
	Z = -105574	13	RAD. = 1855212.0	17.8
N41	X = 1153014	19	LAT. = 3 38 31.6	1.4
	Y = 1448913	18	LONG. = 51 29 16.7	1.9
	Z = -117865	13	RAD. = 1855446.7	17.8
N42	X = 1214509	21	LAT. = - 4 0 56.4	1.5
	Y = 1397940	21	LONG. = 48 53 49.0	2.2
	Z = -129751	17	RAD. = 1855681.3	21.5

EXPOSURE STATIONS
MISSION 16 - REV 47
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N43	X = 1273625	21	LAT. = - 4 22 50.8	1.6
	Y = 1342399	21	LONG. = 46 30 21.3	2.3
	Z = -141760	15	RAD. = 1855869.2	21.4
N44	X = 1330309	24	LAT. = - 4 44 16.2	1.7
	Y = 1285205	21	LONG. = 44 0 43.4	2.5
	Z = -153304	16	RAD. = 1856064.4	23.4
N45	X = 1384396	26	LAT. = - 5 5 11.2	1.9
	Y = 1225498	25	LONG. = 41 30 57.5	3.0
	Z = -164568	17	RAD. = 1856200.5	25.1
N46	X = 1435808	30	LAT. = - 5 25 34.4	2.0
	Y = 1163459	29	LONG. = 39 1 6.3	3.4
	Z = -175543	18	RAD. = 1856339.9	28.0
N47	X = 1484538	34	LAT. = - 5 45 19.4	2.2
	Y = 1099179	31	LONG. = 36 31 .9	3.9
	Z = -186176	20	RAD. = 1856531.1	31.1
N48	X = 1530372	35	LAT. = - 6 4 23.2	2.3
	Y = 1032782	35	LONG. = 34 0 49.4	4.4
	Z = -196432	21	RAD. = 1856680.0	31.6
N49	X = 1573314	39	LAT. = - 6 22 46.9	2.3
	Y = 964330	38	LONG. = 31 30 19.3	4.7
	Z = -206325	21	RAD. = 1856830.7	34.2

EXPOSURE STATIONS
MISSION 16 - REV 63

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R10	X = -638411	26	LAT. = 7 45 21.6	2.1
	Y = 1706760	27	LONG. = 110 30 29.6	2.8
	Z = 248192	19	RAD. = 1839074.9	28.5
R11	X = -572625	22	LAT. = 7 28 36.9	1.9
	Y = 1731625	24	LONG. = 108 17 54.0	2.4
	Z = 239366	17	RAD. = 1839481.8	2.3
R12	X = -506039	21	LAT. = 7 11 15.8	1.8
	Y = 1753847	22	LONG. = 106 5 40.1	2.4
	Z = 230203	16	RAD. = 1837849.8	22.8
R13	X = -438627	17	LAT. = 6 53 10.2	1.5
	Y = 1773574	21	LONG. = 103 53 28.4	1.9
	Z = 220644	14	RAD. = 1840283.4	21.6
R14	X = -370499	16	LAT. = 6 34 30.2	1.5
	Y = 1790667	19	LONG. = 101 41 23.5	1.7
	Z = 210769	13	RAD. = 1840701.1	19.3
R15	X = -301882	15	LAT. = 6 15 17.5	1.4
	Y = 1805080	19	LONG. = 99 29 39.4	1.6
	Z = 200591	13	RAD. = 1841109.2	19.0
R16	X = -232781	15	LAT. = 5 55 32.5	1.3
	Y = 1816613	17	LONG. = 97 18 4.6	1.7
	Z = 190115	12	RAD. = 1841504.9	17.0
R17	X = -163322	14	LAT. = 5 35 16.9	1.3
	Y = 1825915	16	LONG. = 95 6 40.7	1.6
	Z = 179911	12	RAD. = 1841958.3	16.5
R18	X = -97655	13	LAT. = 5 14 34.0	1.2
	Y = 1832251	16	LONG. = 92 55 34.0	1.4
	Z = 168347	11	RAD. = 1842350.5	16.0
R19	X = -28813	14	LAT. = 4 53 23.1	1.2
	Y = 1839966	14	LONG. = 90 49 35.7	1.6
	Z = 157080	11	RAD. = 1842827.4	16.5
R20	X = 8378	13	LAT. = 4 32 24.0	1.2
	Y = 1847221	14	LONG. = 88 41 41.9	1.4
	Z = 145911	11	RAD. = 1843304.3	16.0

EXPOSURE STATIONS
MISSION 16 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R21	X = 125618 Y = 1834787 Z = 132238	13 16 10	LAT. = 4 6 45.9 LONG. = 86 5 .2 RAD. = 1843830.2	1.1 1.4 16.4
R22	X = 200280 Y = 1829473 Z = 119411	18 18 12	LAT. = 3 42 44.4 LONG. = 83 45 8.9 RAD. = 1844273.2	1.3 2.0 18.0
R23	X = 274591 Y = 1821169 Z = 106401	14 17 11	LAT. = 3 18 23.1 LONG. = 81 25 32.4 RAD. = 1844824.3	1.2 1.6 16.9
R24	X = 348452 Y = 1809761 Z = 93196	14 18 11	LAT. = 2 53 41.4 LONG. = 79 6 5.8 RAD. = 1845355.7	1.2 1.6 18.3
R25	X = 421708 Y = 1795300 Z = 79853	13 16 10	LAT. = 2 28 45.8 LONG. = 76 46 52.1 RAD. = 1845891.3	1.1 1.5 15.6
R26	X = 494355 Y = 1777810 Z = 66311	17 22 12	LAT. = 2 3 29.1 LONG. = 74 27 37.3 RAD. = 1846454.0	1.3 1.9 22.8
R27	X = 566033 Y = 1757309 Z = 52762	15 20 11	LAT. = 1 38 13.1 LONG. = 72 8 46.1 RAD. = 1846973.7	1.3 1.7 19.9
R28	X = 636872 Y = 1733858 Z = 39055	16 18 11	LAT. = 1 12 40.6 LONG. = 69 49 51.5 RAD. = 1847537.8	1.3 1.8 17.8
R29	X = 706591 Y = 1707468 Z = 25288	15 18 11	LAT. = 0 47 2.5 LONG. = 67 31 8.6 RAD. = 1848068.1	1.2 1.7 17.6
R30	X = 775070 Y = 1678181 Z = 11488	18 19 12	LAT. = 0 21 21.9 LONG. = 65 12 36.3 RAD. = 1848554.9	1.3 1.9 20.1
R31	X = 842304 Y = 1646134 Z = -2303	20 22 14	LAT. = - 0 4 16.9 LONG. = 62 54 6.5 RAD. = 1849117.3	1.5 2.2 27.7

EXPOSURE STATIONS
MISSION 16 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R32	X = 908138 Y = 1611269 Z = -16135	17 20 13	LAT. = - 0 29 59.4 LONG. = 60 35 37.3 RAD. = 1849638.6	1.4 2.0 19.9
R33	X = 972470 Y = 1573702 Z = -29938	19 20 13	LAT. = - 0 55 37.7 LONG. = 58 17 9.5 RAD. = 1850170.7	1.4 2.1 20.8
R34	X = 1040680 Y = 1529762 Z = -44890	19 19 12	LAT. = - 1 23 23.5 LONG. = 55 46 22.7 RAD. = 1850729.8	1.4 2.1 19.7
R35	X = 1111636 Y = 1479218 Z = -60877	20 21 13	LAT. = - 1 53 3.7 LONG. = 53 4 30.1 RAD. = 1851358.0	1.4 2.1 21.0
R36	X = 1180054 Y = 1425212 Z = -76762	22 20 13	LAT. = - 2 22 32.0 LONG. = 50 22 32.8 RAD. = 1851930.9	1.4 2.3 21.3
R37	X = 1245807 Y = 1368016 Z = -92454	22 21 14	LAT. = - 2 51 38.0 LONG. = 47 40 36.8 RAD. = 1852579.5	1.5 2.6 20.8
R38	X = 1308704 Y = 1307637 Z = -107914	22 20 14	LAT. = - 3 20 18.0 LONG. = 44 58 35.9 RAD. = 1853177.6	1.5 2.5 21.3
R39	X = 1368606 Y = 1244166 Z = -123178	28 25 17	LAT. = - 3 48 36.3 LONG. = 42 16 23.5 RAD. = 1853699.7	1.9 3.0 26.3
R40	X = 1425331 Y = 1177887 Z = -138149	30 28 18	LAT. = - 4 16 22.2 LONG. = 39 34 12.6 RAD. = 1854203.1	1.9 3.4 27.7
R41	X = 1478846 Y = 1109053 Z = -152857	35 32 19	LAT. = - 4 43 37.7 LONG. = 36 52 4.4 RAD. = 1854817.5	2.1 4.0 31.6
R42	X = 1528884 Y = 1037633 Z = -167052	38 37 21	LAT. = - 5 9 57.5 LONG. = 34 9 51.1 RAD. = 1855283.1	2.3 4.6 33.6

EXPOSURE STATIONS
MISSION 16 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R43	X = 1575554 Y = 963926 Z = -181028	40 39 22	LAT. = - 5 35 51.7 LONG. = 31 27 30.1 RAD. = 1855881.1	2.4 4.8 35.6
R44	X = 1618615 Y = 887816 Z = -194530	42 43 23	LAT. = - 6 0 54.7 LONG. = 28 44 41.7 RAD. = 1856333.3	2.6 5.3 37.3
R45	X = 1658101 Y = 809711 Z = -207649	46 48 28	LAT. = - 6 25 14.1 LONG. = 26 1 40.6 RAD. = 1856891.8	3.1 5.9 41.1
R46	X = 1693622 Y = 729725 Z = -220258	51 53 29	LAT. = - 6 48 39.5 LONG. = 23 18 34.5 RAD. = 1857247.0	3.2 6.2 48.2
R47	X = 1725351 Y = 648353 Z = -232404	51 57 29	LAT. = - 7 11 11.6 LONG. = 20 35 42.8 RAD. = 1857743.3	3.1 6.8 47.4
R48	X = 1753162 Y = 565375 Z = -243980	52 62 30	LAT. = - 7 32 41.4 LONG. = 17 52 26.1 RAD. = 1858157.8	3.2 7.2 49.0
R49	X = 1776942 Y = 481137 Z = -255040	54 65 30	LAT. = - 7 53 14.9 LONG. = 15 9 1.9 RAD. = 1858510.2	3.3 7.6 51.2
R50	X = 1796790 Y = 395765 Z = -265545	58 71 31	LAT. = - 8 12 45.8 LONG. = 12 25 18.3 RAD. = 1858924.2	3.4 8.3 54.1
R51	X = 1812532 Y = 309430 Z = -275419	65 91 32	LAT. = - 8 31 7.5 LONG. = 9 41 16.7 RAD. = 1859267.1	3.4 10.6 60.0
R52	X = 1824200 Y = 222380 Z = -284699	74 132 36	LAT. = - 8 48 22.7 LONG. = 6 57 1.4 RAD. = 1859627.0	3.7 15.3 67.4
R53	X = 1831725 Y = 134800 Z = -293312	82 198 41	LAT. = - 9 4 24.0 LONG. = 4 12 32.8 RAD. = 1859951.5	4.2 22.6 75.7

EXPOSURE STATIONS
MISSION 16 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R54	X = 1835070 Y = 46895 Z = -301280	90 281 48	LAT. = - 9 19 14.2 LONG. = 1 27 50.0 RAD. = 1860228.3	4.7 31.7 88.4
R55	X = 1834211 Y = -41123 Z = -308590	93 379 55	LAT. = - 9 32 51.8 LONG. = - 1 17 3.7 RAD. = 1860443.3	5.2 42.5 102.5
R56	X = 1829210 Y = -129109 Z = -315223	93 489 63	LAT. = - 9 45 13.7 LONG. = - 4 2 14.4 RAD. = 1860657.0	5.7 54.5 121.5
R57	X = 1820047 Y = -216853 Z = -321096	91 610 71	LAT. = - 9 56 11.2 LONG. = - 6 47 40.6 RAD. = 1860825.7	6.2 67.6 146.6
R58	X = 1806747 Y = -304068 Z = -326197	88 741 78	LAT. = -10 5 42.6 LONG. = - 9 33 11.3 RAD. = 1860966.8	6.5 81.8 177.1
R59	X = 1789347 Y = -390743 Z = -330632	88 882 85	LAT. = -10 13 59.0 LONG. = - 12 19 6.3 RAD. = 1861118.1	6.6 97.1 212.9
R60	X = 1767862 Y = -476503 Z = -334270	102 1030 92	LAT. = -10 20 46.8 LONG. = - 15 5 5.3 RAD. = 1861216.9	6.7 113.3 255.5
R61	X = 1742351 Y = -561319 Z = -337192	134 1185 97	LAT. = -10 26 13.6 LONG. = - 17 51 25.1 RAD. = 1861333.7	6.5 130.2 305.2
R62	X = 1712827 Y = -644859 Z = -339393	183 1345 101	LAT. = -10 30 20.3 LONG. = - 20 37 50.7 RAD. = 1861399.2	6.3 147.7 362.1
R63	X = 1679370 Y = -727030 Z = -340823	247 1509 104	LAT. = -10 33 .3 LONG. = - 23 24 31.2 RAD. = 1861456.0	6.1 165.8 426.5
R64	X = 1642031 Y = -807495 Z = -341434	325 1676 106	LAT. = -10 34 9.9 LONG. = - 26 11 11.0 RAD. = 1861421.3	6.1 184.4 499.0

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EXPOSURE STATIONS
MISSION 16 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R65	X = 1601041 Y = -885996 Z = -341294	416 1846 107	LAT. = -10 33 54.5 LONG. = - 28 57 34.5 RAD. = 1861398.2	6.5 203.4 578.1

EXPOSURE STATIONS
MISSION 17 - REV 2

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0170	X = -1587784 Y = -754068 Z = -616358	40 56 26	LAT. = -19 19 24.0 LONG. = 205 4 14.1 RAD. = 1832679.1	2.6 6.2 45.0
0172	X = -1621501 Y = -678162 Z = -607182	39 50 25	LAT. = -19 3 28.8 LONG. = 202 41 46.3 RAD. = 1859526.4	2.5 5.7 41.4
0174	X = -1652126 Y = -600773 Z = -596804	37 47 25	LAT. = -18 45 5.7 LONG. = 199 58 59.2 RAD. = 1856508.0	2.5 5.3 41.1
0176	X = -1679477 Y = -522342 Z = -585287	36 44 23	LAT. = -18 24 21.3 LONG. = 197 16 35.3 RAD. = 1853656.7	2.4 5.0 39.0
0178	X = -1703577 Y = -442674 Z = -572585	36 42 23	LAT. = -18 1 11.8 LONG. = 194 33 58.1 RAD. = 1850942.3	2.3 4.8 38.6
0180	X = -1724259 Y = -362306 Z = -558782	34 40 22	LAT. = -17 35 46.2 LONG. = 191 51 59.4 RAD. = 1848397.4	2.2 4.6 36.4
0181	X = -1733334 Y = -321757 Z = -551458	34 39 21	LAT. = -17 22 11.8 LONG. = 190 30 57.8 RAD. = 1847182.1	2.2 4.5 35.6
0182	X = -1741553 Y = -281040 Z = -543848	33 39 21	LAT. = -17 8 2.3 LONG. = 189 10 1.1 RAD. = 1846011.9	2.1 4.4 34.8
0183	X = -1748900 Y = -240208 Z = -535974	32 38 21	LAT. = -16 53 20.4 LONG. = 187 49 14.0 RAD. = 1844889.7	2.2 4.3 33.8
0184	X = -1755369 Y = -199215 Z = -527835	31 37 19	LAT. = -16 38 6.3 LONG. = 186 28 29.1 RAD. = 1843805.4	2.0 4.3 32.7
0185	X = -1760944 Y = -158233 Z = -519442	30 36 19	LAT. = -16 22 2.2 LONG. = 185 8 4.7 RAD. = 1842764.8	2.0 4.2 31.4

EXPOSURE STATIONS
MISSION 17 - REV 2
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0186	X = -1765641	30	LAT. = -16 6 5.5	1.8
	Y = -117148	35	LONG. = 183 47 45.3	4.1
	Z = -510797	18	RAD. = 1841772.7	30.7
0187	X = -1769465	29	LAT. = -15 49 15.8	1.9
	Y = -75932	34	LONG. = 182 27 25.9	4.0
	Z = -501872	18	RAD. = 1840828.5	29.8
0188	X = -1772392	29	LAT. = -15 31 57.5	1.8
	Y = -34690	33	LONG. = 181 7 16.6	3.9
	Z = -492710	17	RAD. = 1839929.4	29.5
0189	X = -1774426	28	LAT. = -15 14 7.2	1.8
	Y = 6585	32	LONG. = 179 47 14.6	3.8
	Z = -483279	17	RAD. = 1839072.7	29.0
0190	X = -1775569	28	LAT. = -14 55 48.5	1.7
	Y = 47838	31	LONG. = 178 27 24.0	3.7
	Z = -473615	17	RAD. = 1838271.8	28.6
0191	X = -1775801	28	LAT. = -14 37 3.5	1.7
	Y = 89025	30	LONG. = 177 7 48.1	3.6
	Z = -463727	16	RAD. = 1837508.5	28.2
0192	X = -1775142	28	LAT. = -14 17 49.9	1.8
	Y = 130172	30	LONG. = 175 48 21.5	3.5
	Z = -453600	17	RAD. = 1836798.1	27.9
0193	X = -1773585	28	LAT. = -13 58 9.2	1.8
	Y = 171269	29	LONG. = 174 29 3.3	3.4
	Z = -443245	17	RAD. = 1836138.6	27.7
0194	X = -1771134	28	LAT. = -13 38 1.7	1.7
	Y = 212296	28	LONG. = 173 9 53.6	3.3
	Z = -432664	16	RAD. = 1835533.1	27.4
0195	X = -1767772	27	LAT. = -13 17 28.6	1.7
	Y = 253243	28	LONG. = 171 50 51.1	3.3
	Z = -421862	16	RAD. = 1834970.8	26.9
0196	X = -1763515	27	LAT. = -12 56 30.8	1.7
	Y = 294025	27	LONG. = 170 32 3.6	3.2
	Z = -410850	16	RAD. = 1834457.1	26.4

EXPOSURE STATIONS
MISSION 17 - REV 2
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0197	X = -1758364 Y = 334644 Z = -399632	27 26 15	LAT. = -12 35 9.1 LONG. = 169 13 28.5 RAD. = 1833994.4	1.6 3.1 26.3
0198	X = -1752324 Y = 375101 Z = -388212	27 26 15	LAT. = -12 13 24.0 LONG. = 167 55 3.6 RAD. = 1833589.5	1.7 3.1 26.0
0199	X = -1745382 Y = 415413 Z = -376577	27 26 16	LAT. = -11 51 14.0 LONG. = 166 36 44.2 RAD. = 1833231.2	1.7 3.1 26.5
0200	X = -1737544 Y = 455494 Z = -364766	26 25 15	LAT. = -11 28 44.3 LONG. = 165 18 38.0 RAD. = 1832918.2	1.6 3.0 25.5
0201	X = -1728826 Y = 495282 Z = -352776	27 24 15	LAT. = -11 5 54.4 LONG. = 164 0 49.8 RAD. = 1832647.2	1.6 2.9 26.1
0202	X = -1719250 Y = 534824 Z = -340597	26 24 15	LAT. = -10 42 42.7 LONG. = 162 43 12.5 RAD. = 1832447.6	1.6 2.9 24.5
0203	X = -1708775 Y = 574110 Z = -328259	26 23 14	LAT. = -10 19 13.5 LONG. = 161 25 43.7 RAD. = 1832284.4	1.6 2.9 24.7
0204	X = -1697444 Y = 613051 Z = -315761	26 23 14	LAT. = -9 55 26.6 LONG. = 160 8 32.0 RAD. = 1832171.4	1.6 2.8 24.4
0205	X = -1685228 Y = 651782 Z = -303078	25 23 14	LAT. = -9 31 18.9 LONG. = 158 51 19.5 RAD. = 1832122.2	1.5 2.8 23.7
0206	X = -1672164 Y = 690147 Z = -290250	25 22 14	LAT. = -9 6 55.3 LONG. = 157 34 21.9 RAD. = 1832124.4	1.5 2.8 23.9
0207	X = -1658237 Y = 728164 Z = -277280	24 22 14	LAT. = -8 42 16.4 LONG. = 156 17 34.0 RAD. = 1832172.5	1.5 2.8 23.0

EXPOSURE STATIONS
MISSION 17 - REV 2
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0208	X = -1643459 Y = 765796 Z = -264163	24 22 14	LAT. = - 8 17 21.9 LONG. = 155 0 57.9 RAD. = 1832261.7	1.5 2.7 22.6
0209	X = -1627861 Y = 802994 Z = -250933	24 21 14	LAT. = - 7 52 15.3 LONG. = 153 44 37.4 RAD. = 1832401.9	1.5 2.7 22.4
0210	X = -1611429 Y = 839337 Z = -237562	24 21 13	LAT. = - 7 26 53.6 LONG. = 152 28 21.3 RAD. = 1832611.5	1.5 2.6 21.8
0211	X = -1594182 Y = 876234 Z = -224073	23 21 13	LAT. = - 7 1 19.6 LONG. = 151 12 17.4 RAD. = 1832869.6	1.5 2.6 21.6
0212	X = -1576112 Y = 912190 Z = -210462	23 21 13	LAT. = - 6 35 33.1 LONG. = 149 56 22.1 RAD. = 1833170.5	1.4 2.6 21.2
0213	X = -1557256 Y = 947671 Z = -196762	23 20 13	LAT. = - 6 9 37.6 LONG. = 148 40 38.4 RAD. = 1833532.6	1.4 2.5 21.5
0214	X = -1537576 Y = 982683 Z = -182948	23 20 13	LAT. = - 5 43 30.7 LONG. = 147 25 .7 RAD. = 1833923.5	1.4 2.5 21.3
0215	X = -1517133 Y = 1017189 Z = -169055	23 20 13	LAT. = - 5 17 16.2 LONG. = 146 9 33.9 RAD. = 1834379.1	1.4 2.4 20.9
0216	X = -1495923 Y = 1051189 Z = -155071	22 20 13	LAT. = - 4 50 52.8 LONG. = 144 54 15.1 RAD. = 1834892.7	1.4 2.4 20.8
0217	X = -1473951 Y = 1084669 Z = -141008	22 20 13	LAT. = - 4 24 21.7 LONG. = 143 39 3.3 RAD. = 1835462.1	1.5 2.5 20.7
0218	X = -1451198 Y = 1117598 Z = -126857	22 19 13	LAT. = - 3 57 42.7 LONG. = 142 23 57.7 RAD. = 1836054.5	1.4 2.4 20.4

EXPOSURE STATIONS
MISSION 17 - REV 2
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0219	X = -1427754 Y = 1149940 Z = -112668	22 19 13	LAT. = - 3 31 .6 LONG. = 141 9 4.9 RAD. = 1836719.1	1.4 2.4 20.7
0220	X = -1403552 Y = 1181703 Z = -98416	27 19 13	LAT. = - 3 4 13.4 LONG. = 139 54 17.0 RAD. = 1837407.3	1.5 2.4 20.1
0221	X = -1378649 Y = 1212871 Z = -84108	22 19 13	LAT. = - 2 37 21.4 LONG. = 138 39 36.7 RAD. = 1838152.1	1.5 2.4 20.3
0222	X = -1353058 Y = 1243439 Z = -69754	21 20 13	LAT. = - 2 10 25.8 LONG. = 137 25 2.9 RAD. = 1838959.8	1.5 2.3 20.2
0223	X = -1326738 Y = 1273378 Z = -55359	22 19 13	LAT. = - 1 43 27.5 LONG. = 136 10 32.4 RAD. = 1839780.5	1.5 2.3 20.6
0224	X = -1299797 Y = 1302671 Z = -40950	22 20 13	LAT. = - 1 16 29.2 LONG. = 134 56 12.2 RAD. = 1840679.7	1.5 2.4 20.4
0225	X = -1272190 Y = 1331320 Z = -26506	22 19 13	LAT. = - 0 49 28.8 LONG. = 133 41 56.2 RAD. = 1841625.0	1.5 2.3 20.7
0226	X = -1243954 Y = 1359299 Z = -12062	22 20 14	LAT. = - 0 22 30.2 LONG. = 132 27 46.8 RAD. = 1842623.1	1.5 2.3 20.9
0227	X = -1215071 Y = 1386604 Z = 2403	22 20 14	LAT. = 0 4 28.9 LONG. = 131 13 40.3 RAD. = 1843657.3	1.5 2.3 21.1
0228	X = -1185636 Y = 1413158 Z = 16824	22 20 14	LAT. = 0 31 21.7 LONG. = 129 59 47.7 RAD. = 1844730.9	1.5 2.4 20.8
0229	X = -1155547 Y = 1439067 Z = 31270	22 19 14	LAT. = 0 58 14.5 LONG. = 128 45 49.0 RAD. = 1845352.1	1.5 2.3 21.1

EXPOSURE STATIONS
MISSION 17 - REV 2
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0230	X = -1124894 Y = 1464233 Z = 45696	22 20 14	LAT. = 1 25 3.6 LONG. = 127 31 59.5 RAD. = 1847011.8	1.6 2.3 21.5
0231	X = -1093693 Y = 1488672 Z = 60110	23 22 15	LAT. = 1 51 49.6 LONG. = 126 18 13.9 RAD. = 1848221.8	1.7 2.4 23.1

EXPOSURE STATIONS
MISSION 17 - REV 14

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0336	X = -1769196 Y = 2347 Z = -558409	28 32 19	LAT. = -17 31 1.8 LONG. = 179 55 26.3 RAD. = 1855230.9	2.0 3.8 29.0
0338	X = -1772281 Y = 89813 Z = -543464	28 30 18	LAT. = -17 1 38.6 LONG. = 177 5 56.2 RAD. = 1855909.2	1.9 3.6 28.1
0340	X = -1771307 Y = 177008 Z = -527263	27 29 17	LAT. = -16 29 56.2 LONG. = 174 17 36.0 RAD. = 1856574.1	1.7 3.4 27.2
0342	X = -1766269 Y = 263881 Z = -509855	27 27 16	LAT. = -15 56 1.3 LONG. = 171 30 10.3 RAD. = 1857227.2	1.7 3.2 26.2
0344	X = -1757171 Y = 350101 Z = -491281	26 26 16	LAT. = -15 20 .5 LONG. = 168 43 54.7 RAD. = 1857847.0	1.7 3.1 25.2
0346	X = -1744085 Y = 435533 Z = -471625	25 24 15	LAT. = -14 42 2.2 LONG. = 165 58 43.9 RAD. = 1858480.1	1.6 2.9 24.4
0348	X = -1726963 Y = 520027 Z = -450865	25 24 15	LAT. = -14 2 7.8 LONG. = 163 14 30.5 RAD. = 1859060.8	1.6 2.9 23.6
0350	X = -1705918 Y = 603290 Z = -429076	24 23 15	LAT. = -13 20 24.6 LONG. = 160 31 26.7 RAD. = 1859629.7	1.5 2.8 22.9
0352	X = -1680962 Y = 685196 Z = -406328	24 22 14	LAT. = -12 37 1.9 LONG. = 157 49 23.3 RAD. = 1860168.9	1.5 2.7 22.1
0354	X = -1652196 Y = 765523 Z = -382654	23 22 14	LAT. = -11 52 3.3 LONG. = 155 8 4.0 RAD. = 1860698.6	1.4 2.7 21.5
0356	X = 1619646 Y = 844158 Z = -358100	23 21 14	LAT. = -11 5 34.8 LONG. = 152 28 17.4 RAD. = 1861200.9	1.4 2.6 21.3

EXPOSURE STATIONS
MISSION 17 - REV 14
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0358	X = -1583354 Y = 920874 Z = -332772	23 21 14	LAT. = -10 17 49.2 LONG. = 149 49 4.3 RAD. = 1861654.0	1.4 2.6 20.5
0360	X = -1543510 Y = 995443 Z = -306645	22 19 13	LAT. = - 9 28 42.7 LONG. = 147 10 52.1 RAD. = 1862085.3	1.4 2.4 20.4
0362	X = -1500153 Y = 1067781 Z = -279852	22 19 13	LAT. = - 8 38 30.3 LONG. = 144 33 26.8 RAD. = 1862506.8	1.4 2.4 19.8
0364	X = -1453412 Y = 1137687 Z = -252428	21 19 13	LAT. = - 7 47 15.5 LONG. = 141 56 50.0 RAD. = 1862916.4	1.4 2.4 19.3
0366	X = -1403406 Y = 1204889 Z = -224482	21 19 12	LAT. = - 6 55 11.0 LONG. = 139 21 8.6 RAD. = 1863249.2	1.3 2.3 18.9
0368	X = -1350197 Y = 1269415 Z = -196000	21 19 13	LAT. = - 6 2 14.1 LONG. = 136 45 58.7 RAD. = 1863561.3	1.1 2.4 18.9
0370	X = -1293901 Y = 1331131 Z = -167059	20 19 12	LAT. = - 5 8 32.5 LONG. = 134 11 14.8 RAD. = 1863866.9	1.3 2.3 18.5
0372	X = -1234663 Y = 1389795 Z = -137769	21 19 12	LAT. = - 4 14 18.1 LONG. = 131 37 1.8 RAD. = 1864109.3	1.4 2.4 18.6
0374	X = -1172644 Y = 1445319 Z = -108141	20 18 12	LAT. = - 3 19 31.2 LONG. = 129 3 13.6 RAD. = 1864332.4	1.3 2.2 18.0
0376	X = -1107935 Y = 1497576 Z = -78269	19 18 12	LAT. = - 2 24 21.3 LONG. = 126 29 41.0 RAD. = 1864505.3	1.3 2.1 17.9
0378	X = -1040743 Y = 1540454 Z = -48251	19 18 12	LAT. = - 1 28 58.0 LONG. = 123 56 22.1 RAD. = 1864670.4	1.3 2.1 17.7

EXPOSURE STATIONS
MISSION 17 - RE. 14
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0380	X = -971225	19	LAT. = - 0 33 22.9	1.3
	Y = 1591803	18	LONG. = 121 23 20.7	2.1
	Z = -18107	12	RAD. = 1864790.4	17.6
0382	X = -899422	19	LAT. = 0 22 18.8	1.3
	Y = 1633593	18	LONG. = 118 50 10.6	2.1
	Z = 12104	12	RAD. = 1864868.0	18.2
0384	X = -825637	18	LAT. = 1 17 55.8	1.3
	Y = 1671661	18	LONG. = 116 17 5.6	2.1
	Z = 42272	12	RAD. = 1864916.8	17.7
0386	X = -749972	17	LAT. = 2 13 24.2	1.4
	Y = 1705968	19	LONG. = 113 43 51.9	2.0
	Z = 72351	12	RAD. = 1864945.0	18.3
0388	X = -672622	18	LAT. = 3 8 35.1	1.4
	Y = 1736402	18	LONG. = 111 10 28.8	2.0
	Z = 102254	12	RAD. = 1864931.6	18.1
0390	X = -593760	20	LAT. = 4 3 25.1	1.3
	Y = 1762910	18	LONG. = 108 36 49.9	2.3
	Z = 131938	12	RAD. = 1864888.7	17.9
0392	X = -513484	16	LAT. = 4 57 47.2	1.2
	Y = 1785456	17	LONG. = 106 2 41.5	1.8
	Z = 161333	11	RAD. = 1864818.8	17.7
0394	X = -432082	14	LAT. = 5 51 33.2	1.2
	Y = 1803936	16	LONG. = 103 28 11.3	1.5
	Z = 190357	11	RAD. = 1864702.7	16.3
0396	X = -349636	13	LAT. = 6 44 38.7	1.2
	Y = 1818322	17	LONG. = 100 53 3.3	1.5
	Z = 218961	11	RAD. = 1864533.2	16.6
0398	X = -266431	14	LAT. = 7 36 54.1	1.3
	Y = 1828616	16	LONG. = 98 17 23 0	1.6
	Z = 247059	12	RAD. = 1864365.4	16.4
0400	X = -182635	12	LAT. = 8 28 16.2	1.2
	Y = 1834759	16	LONG. = 95 41 4.5	1.4
	Z = 274613	11	RAD. = 1864164.4	16.5

EXPOSURE STATIONS
MISSION 17 - REV 14
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0402	X = -98358 Y = 1836724 Z = 301557	13 17 11	LAT. = 9 18 38.3 LONG. = 93 3 55.1 RAD. = 1863911.7	1.2 1.5 16.6
0404	X = -13855 Y = 1834497 Z = 327815	14 16 12	LAT. = 10 7 52.5 LONG. = 90 25 57.8 RAD. = 1863608.1	1.3 1.6 16.5
0406	X = 70738 Y = 1828100 Z = 353341	13 16 11	LAT. = 10 55 53.1 LONG. = 87 47 2.7 RAD. = 1863277.9	1.2 1.5 16.2
0408	X = 155087 Y = 1817567 Z = 378084	18 16 14	LAT. = 11 42 34.2 LONG. = 85 7 22.7 RAD. = 1862941.4	1.5 2.0 16.2
0410	X = 239307 Y = 1802854 Z = 401989	14 16 12	LAT. = 12 27 50.3 LONG. = 82 26 19.9 RAD. = 1862564.5	1.3 1.6 15.8
0412	X = 322858 Y = 1784044 Z = 424959	18 15 13	LAT. = 13 11 29.6 LONG. = 79 44 32.0 RAD. = 1862159.9	1.5 2.0 15.3
0414	X = 405681 Y = 1761151 Z = 446964	14 15 12	LAT. = 13 53 28.8 LONG. = 77 1 41.5 RAD. = 1861721.7	1.3 1.6 15.1
0416	X = 487609 Y = 1734218 Z = 467990	14 15 12	LAT. = 14 33 45.3 LONG. = 74 17 44.3 RAD. = 1861260.3	1.3 1.6 14.9
0418	X = 568349 Y = 1703345 Z = 487909	14 14 12	LAT. = 15 12 4.0 LONG. = 71 32 52.4 RAD. = 1860768.8	1.3 1.5 14.4
0420	X = 647891 Y = 1668533 Z = 506732	14 14 12	LAT. = 15 48 25.6 LONG. = 68 46 43.8 RAD. = 1860253.3	1.3 1.6 14.4
0422	X = 725992 Y = 1629876 Z = 524423	14 14 13	LAT. = 16 22 44.3 LONG. = 65 59 25.7 RAD. = 1859726.1	1.4 1.6 14.5

EXPOSURE STATIONS
MISSION 17 - REV 14
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0424	X = 802417	15	LAT. = 16 54 52.7	1.4
	Y = 1587457	14	LONG. = 63 11 4.6	1.7
	Z = 540917	13	RAD. = 1859162.2	14.7
0426	X = 877026	14	LAT. = 17 24 43.5	1.4
	Y = 1541385	14	LONG. = 60 21 38.7	1.7
	Z = 556169	13	RAD. = 1858592.2	14.2
0428	X = 949644	15	LAT. = 17 52 14.1	1.6
	Y = 1491721	14	LONG. = 57 31 7.6	1.8
	Z = 570158	14	RAD. = 1857992.7	14.4
0430	X = 1020023	16	LAT. = 18 17 16.7	1.6
	Y = 1438647	15	LONG. = 54 39 46.0	1.8
	Z = 582832	15	RAD. = 1857375.4	15.8

EXPOSURE STATIONS
MISSION 17 - REV 29

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1390	X = -1722776 Y = 414323 Z = -563827	26 24 19	LAT. = -17 39 4.8 LONG. = 166 28 38.4 RAD. = 1859440.7	2.0 3.0 24.8
1392	X = -1706623 Y = 493836 Z = -550501	25 24 17	LAT. = -17 12 57.3 LONG. = 163 51 41.2 RAD. = 1859969.7	1.9 2.9 23.9
1394	X = -1687123 Y = 572315 Z = -536100	25 23 16	LAT. = -16 44 50.8 LONG. = 161 15 42.4 RAD. = 1860465.8	1.7 2.8 23.5
1396	X = -1664313 Y = 649712 Z = -520651	24 22 16	LAT. = -16 14 48.7 LONG. = 158 40 31.4 RAD. = 1860951.8	1.6 2.8 22.5
1398	X = -1638243 Y = 725798 Z = -504197	24 21 16	LAT. = -15 42 57.5 LONG. = 156 6 18.0 RAD. = 1861408.0	1.6 2.7 22.1
1400	X = -1608951 Y = 800540 Z = -486734	23 20 15	LAT. = -15 9 16.6 LONG. = 153 32 49.9 RAD. = 1861853.1	1.5 2.6 21.2
1402	X = -1576519 Y = 873641 Z = -468354	22 20 14	LAT. = -14 33 58.2 LONG. = 151 0 23.8 RAD. = 1862260.9	1.5 2.5 20.7
1404	X = -1541007 Y = 945026 Z = -449051	22 19 14	LAT. = -13 57 1.7 LONG. = 148 28 52.3 RAD. = 1862638.4	1.4 2.5 20.1
1406	X = -1502496 Y = 1014542 Z = -428886	22 19 14	LAT. = -13 18 34.8 LONG. = 145 58 16.7 RAD. = 1862990.0	1.4 2.4 19.7
1408	X = -1461070 Y = 1082038 Z = -407900	21 18 13	LAT. = -12 38 42.4 LONG. = 143 28 37.6 RAD. = 1863307.2	1.3 2.3 19.3
1410	X = -1416761 Y = 1147433 Z = -388110	21 18 13	LAT. = -11 57 26.8 LONG. = 140 59 41.3 RAD. = 1863601.7	1.4 2.3 19.2

EXPOSURE STATIONS
MISSION 17 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1412	X = -1369685	20	LAT. = -11 14 55.0	1.3
	Y = 1210689	18	LONG. = 138 31 33.5	2.2
	Z = -363578	13	RAD. = 1863865.5	18.4
1414	X = -1319946	20	LAT. = -10 31 10.5	1.3
	Y = 1271521	18	LONG. = 136 4 13.8	2.2
	Z = -540331	12	RAD. = 1864094.1	18.0
1416	X = -1267650	20	LAT. = - 9 46 20.4	1.4
	Y = 1329886	18	LONG. = 133 37 38.9	2.3
	Z = -316436	13	RAD. = 1864313.5	17.9
1418	X = -1212905	19	LAT. = - 9 0 29.4	1.2
	Y = 1385603	17	LONG. = 131 11 51.6	2.1
	Z = -291930	12	RAD. = 1864472.3	17.8
1420	X = -1155832	19	LAT. = - 8 13 45.3	1.3
	Y = 1438613	17	LONG. = 128 46 46.6	2.1
	Z = -266890	12	RAD. = 1864614.1	17.5
1422	X = -1096557	19	LAT. = - 7 26 9.8	1.3
	Y = 1488785	17	LONG. = 126 22 23.9	2.1
	Z = -241331	12	RAD. = 1864714.3	17.4
1424	X = -1035129	19	LAT. = - 6 37 46.7	1.3
	Y = 1536118	17	LONG. = 123 58 28.1	2.2
	Z = -215290	12	RAD. = 1864805.9	17.0
1426	X = -971692	18	LAT. = - 5 48 45.3	1.2
	Y = 1580441	17	LONG. = 121 35 3.0	2.0
	Z = -188862	11	RAD. = 1864845.2	17.1
1428	X = -906366	18	LAT. = - 4 59 6.9	1.2
	Y = 1621707	16	LONG. = 119 12 2.4	1.9
	Z = -162055	11	RAD. = 1864857.5	16.7
1430	X = -839328	16	LAT. = - 4 9 2.4	1.1
	Y = 1659782	16	LONG. = 116 49 30.2	1.8
	Z = -134975	10	RAD. = 1864823.4	16.3
1432	X = -770607	16	LAT. = - 3 18 27.2	1.1
	Y = 1694703	16	LONG. = 114 27 7.2	1.8
	Z = -107590	10	RAD. = 1864786.6	15.6

EXPOSURE STATIONS
MISSION 17 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1434	X = -700401 Y = 1726340 Z = -80003	16 16 10	LAT. = - 2 27 32.2 LONG. = 112 4 59.1 RAD. = 1864728.1	1.1 1.7 15.5
1436	X = -528873 Y = 1754582 Z = -52291	15 15 10	LAT. = - 1 36 25.3 LONG. = 109 43 6.8 RAD. = 1864610.6	1.1 1.6 15.3
1438	X = -556087 Y = 1779453 Z = -24429	16 16 10	LAT. = - 0 45 2.6 LONG. = 107 21 15.3 RAD. = 1864479.1	1.1 1.8 15.5
1440	X = -482177 Y = 1800858 Z = 3457	14 15 9	LAT. = 0 6 22.4 LONG. = 104 59 21.1 RAD. = 1864304.2	1.0 1.6 14.9
1442	X = -407332 Y = 1818761 Z = 31335	13 14 9	LAT. = 0 57 47.5 LONG. = 102 37 25.4 RAD. = 1864080.0	1.0 1.4 14.1
1444	X = -331763 Y = 1833151 Z = 59134	13 14 9	LAT. = 1 49 5.2 LONG. = 100 15 30.0 RAD. = 1863868.2	1.0 1.4 13.8
1446	X = -255522 Y = 1843963 Z = 86848	12 13 9	LAT. = 2 40 15.9 LONG. = 97 53 21.7 RAD. = 1863608.1	1.0 1.3 13.0
1448	X = -178731 Y = 1851193 Z = 114376	11 12 8	LAT. = 3 31 9.2 LONG. = 95 30 53.2 RAD. = 1863314.9	.9 1.2 12.3
1450	X = -101648 Y = 1854819 Z = 141697	11 12 8	LAT. = 4 21 43.4 LONG. = 93 8 12.5 RAD. = 1862998.7	.9 1.3 12.2
1452	X = -24356 Y = 1854837 Z = 168716	12 12 9	LAT. = 5 11 48.7 LONG. = 90 45 8.3 RAD. = 1862653.9	1.0 1.3 12.1
1454	X = 52965 Y = 1851229 Z = 195424	12 13 9	LAT. = 6 1 25.1 LONG. = 88 21 40.3 RAD. = 1862268.3	1.0 1.4 12.9

EXPOSURE STATIONS
MISSION 17 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1456	X = 130234	12	LAT. = 6 50 27.2	1.0
	Y = 1844013	13	LONG. = 85 57 36.6	1.3
	Z = 221771	9	RAD. = 1861861.3	13.4
1458	X = 207223	13	LAT. = 7 38 43.9	1.0
	Y = 1833222	13	LONG. = 83 53 2.8	1.4
	Z = 247654	9	RAD. = 1861444.7	13.1
1460	X = 283810	14	LAT. = 8 26 17.5	1.1
	Y = 1818847	14	LONG. = 81 7 52.2	1.5
	Z = 273088	10	RAD. = 1861002.3	14.1
1462	X = 359841	14	LAT. = 9 12 58.0	1.1
	Y = 1800930	14	LONG. = 78 42 2.2	1.5
	Z = 297983	10	RAD. = 1860544.9	13.6
1464	X = 435231	14	LAT. = 9 58 43.3	1.1
	Y = 1779457	14	LONG. = 76 15 21.8	1.5
	Z = 322313	10	RAD. = 1860048.1	13.5
1466	X = 509714	14	LAT. = 10 43 24.1	1.2
	Y = 1754513	14	LONG. = 73 48 2.0	1.6
	Z = 345997	11	RAD. = 1859526.6	13.7
1468	X = 583251	14	LAT. = 11 26 59.3	1.1
	Y = 1726135	14	LONG. = 71 19 48.7	1.6
	Z = 369030	10	RAD. = 1859007.5	13.6
1470	X = 655684	14	LAT. = 12 9 20.7	1.2
	Y = 1694347	14	LONG. = 68 50 39.8	1.7
	Z = 391336	11	RAD. = 1858460.5	13.5
1472	X = 726761	14	LAT. = 12 50 25.0	1.2
	Y = 1659236	14	LONG. = 66 20 46.1	1.7
	Z = 412884	11	RAD. = 1857880.6	13.4
1474	X = 796464	14	LAT. = 13 30 5.2	1.2
	Y = 1620843	14	LONG. = 63 49 51.7	1.7
	Z = 433621	11	RAD. = 1857286.3	13.5
1476	X = 864672	14	LAT. = 14 8 21.3	1.2
	Y = 1579211	14	LONG. = 61 17 52.0	1.7
	Z = 453549	11	RAD. = 1856683.1	13.6

EXPOSURE STATIONS
MISSION 17 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1478	X = 931196	15	LAT. = 14 45 2.2	1.3
	Y = 1534444	14	LONG. = 58 44 52.8	1.8
	Z = 472577	11	RAD. = 1856063.8	13.7
1480	X = 995900	16	LAT. = 15 20 5.4	1.3
	Y = 1486611	15	LONG. = 56 10 52.9	1.8
	Z = 490685	12	RAD. = 1855425.2	15.0

EXPOSURE STATIONS
MISSION 17 - REV 38

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1700	X = -1632164	24	LAT. = -17 28 33.1	2.0
	Y = 694489	22	LONG. = 156 57 .5	2.7
	Z = -558447	18	RAD. = 1859607.0	22.8
1702	X = -1603256	23	LAT. = -17 2 1.5	1.7
	Y = 769627	21	LONG. = 154 21 25.7	2.6
	Z = -544861	16	RAD. = 1860007.8	21.9
1704	X = -1571184	23	LAT. = -16 33 30.2	1.6
	Y = 843408	20	LONG. = 151 46 23.5	2.5
	Z = -530198	15	RAD. = 1860394.0	21.0
1706	X = -1536106	22	LAT. = -16 3 7.6	1.6
	Y = 915465	19	LONG. = 149 12 23.5	2.5
	Z = -514522	15	RAD. = 1860761.0	20.4
1708	X = -1498035	22	LAT. = -15 30 57.9	1.6
	Y = 985742	19	LONG. = 146 39 14.9	2.4
	Z = -497859	15	RAD. = 1861091.1	20.1
1710	X = -1457042	21	LAT. = -14 57 3.9	1.5
	Y = 1054152	18	LONG. = 144 6 53.0	2.4
	Z = -480232	14	RAD. = 1861405.0	19.3
1712	X = -1413241	21	LAT. = -14 21 31.4	1.4
	Y = 1120492	18	LONG. = 141 35 26.7	2.3
	Z = -461686	13	RAD. = 1861694.4	18.8
1714	X = -1366623	20	LAT. = -13 44 20.5	1.4
	Y = 1184744	17	LONG. = 139 4 39.1	2.3
	Z = -442211	13	RAD. = 1861941.4	18.5
1716	X = -1317432	20	LAT. = -13 5 44.4	1.5
	Y = 1246621	18	LONG. = 136 34 54.9	2.3
	Z = -421928	14	RAD. = 1862180.2	17.9
1718	X = -1265669	20	LAT. = -12 25 42.7	1.4
	Y = 1306077	17	LONG. = 134 5 59.4	2.2
	Z = -400822	13	RAD. = 1862367.5	17.8
1720	X = -1211489	19	LAT. = -11 44 20.2	1.4
	Y = 1363000	17	LONG. = 131 37 55.1	2.2
	Z = -378940	13	RAD. = 1862544.0	17.4

EXPOSURE STATIONS
MISSION 17 - REV 38
(CONTINUED)

FRAME No.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1722	X = -1154885 Y = 1417354 Z = -356326	19 17 12	LAT. = -11 1 42.4 LONG. = 129 10 25.5 RAD. = 1862691.6	1.3 2.1 17.3
1724	X = -1096087 Y = 1468930 Z = -333021	18 17 12	LAT. = -10 17 53.9 LONG. = 126 43 46.5 RAD. = 1862811.5	1.2 2.0 17.3
1726	X = -1035176 Y = 1517673 Z = -309074	18 16 12	LAT. = - 9 33 .1 LONG. = 124 17 49.8 RAD. = 1862913.7	1.3 2.0 16.1
1728	X = -972283 Y = 1563462 Z = -284550	17 16 11	LAT. = - 8 47 8.4 LONG. = 121 52 35.7 RAD. = 1862986.1	1.2 1.9 16.4
1730	X = -907503 Y = 1606206 Z = -259490	17 16 11	LAT. = - 8 0 23.4 LONG. = 119 27 58.9 RAD. = 1863007.1	1.2 1.9 15.8
1732	X = -840974 Y = 1645858 Z = -233917	16 16 11	LAT. = - 7 12 46.8 LONG. = 117 3 55.4 RAD. = 1863009.0	1.2 1.8 15.9
1734	X = -772826 Y = 1682325 Z = -207895	16 15 11	LAT. = - 6 24 25.7 LONG. = 114 40 23.1 RAD. = 1862980.9	1.2 1.7 15.3
1736	X = -703184 Y = 1715541 Z = -181482	16 15 11	LAT. = - 5 35 25.7 LONG. = 112 17 17.7 RAD. = 1862923.4	1.2 1.7 15.1
1738	X = -632177 Y = 1745454 Z = -154714	15 15 10	LAT. = - 4 45 50.5 LONG. = 109 54 34.6 RAD. = 1862846.2	1.1 1.7 14.6
1740	X = -559971 Y = 1772000 Z = -127660	14 15 10	LAT. = - 3 55 47.0 LONG. = 107 32 13.6 RAD. = 1862753.4	1.2 1.6 14.9
1742	X = -486644 Y = 1795107 Z = -100341	14 14 9	LAT. = - 3 5 17.2 LONG. = 105 10 4.9 RAD. = 1862605.5	1.0 1.5 13.9

EXPOSURE STATIONS
MISSION 17 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1744	X = -412379 Y = 1814740 Z = -72831	14 13 10	LAT. = - 2 14 28.1 LONG. = 102 48 8.7 RAD. = 1862429.5	1.1 1.6 13.2
1746	X = -337308 Y = 1830879 Z = -45183	11 12 8	LAT. = - 1 23 25.1 LONG. = 100 26 19.4 RAD. = 1862239.7	.9 1.3 12.3
1748	X = -261574 Y = 1843476 Z = -17448	12 12 8	LAT. = - 0 32 12.8 LONG. = 98 4 33.2 RAD. = 1862022.7	.9 1.3 11.8
1750	X = -185316 Y = 1852503 Z = 10330	12 11 7	LAT. = 0 19 4.4 LONG. = 95 42 45.4 RAD. = 1861777.8	.8 1.3 10.9
1752	X = -108713 Y = 1857931 Z = 38077	10 11 7	LAT. = 1 10 19.5 LONG. = 93 20 55.4 RAD. = 1861498.0	.8 1.1 11.1
1754	X = -31878 Y = 1859772 Z = 65753	11 10 7	LAT. = 2 1 28.5 LONG. = 90 58 55.2 RAD. = 1861207.4	.8 1.2 10.4
1756	X = 45038 Y = 1858002 Z = 93321	11 11 7	LAT. = 2 52 28.3 LONG. = 88 36 41.1 RAD. = 1860889.0	.8 1.2 10.9
1753	X = 122012 Y = 1852611 Z = 120744	11 11 8	LAT. = 3 43 15.4 LONG. = 86 13 55.1 RAD. = 1860547.1	.9 1.2 11.4
1760	X = 193578 Y = 1843619 Z = 147870	11 12 8	LAT. = 4 33 33.8 LONG. = 83 51 8.3 RAD. = 1860169.1	.9 1.2 11.9
1762	X = 274814 Y = 1831036 Z = 174735	12 13 9	LAT. = 5 23 28.3 LONG. = 81 27 51.7 RAD. = 1859770.6	1.0 1.3 12.6
1764	X = 350470 Y = 1814839 Z = 201070	14 13 10	LAT. = 6 12 49.9 LONG. = 79 14 10.9 RAD. = 1859342.5	1.1 1.5 12.3

EXPOSURE STATIONS
MISSION 17 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1766	X = 425465	15	LAT. = 7 1 36.5	1.1
	Y = 1795213	14	LONG. = 76 40 .9	1.6
	Z = 227407	10	RAD. = 1858903.5	13.5
1768	X = 499621	14	LAT. = 7 49 37.6	1.0
	Y = 1772065	13	LONG. = 74 15 16.5	1.6
	Z = 253094	9	RAD. = 1858464.9	13.1
1770	X = 572813	13	LAT. = 8 36 52.6	1.0
	Y = 1745436	13	LONG. = 71 49 52.8	1.5
	Z = 278303	9	RAD. = 1857986.3	13.2
1772	X = 644942	13	LAT. = 9 23 14.0	1.1
	Y = 1715396	13	LONG. = 69 23 42.4	1.5
	Z = 302970	10	RAD. = 1857504.3	13.0
1774	X = 715757	14	LAT. = 10 8 40.2	1.2
	Y = 1681998	14	LONG. = 66 56 54.0	1.7
	Z = 327074	10	RAD. = 1856987.5	13.4
1776	X = 785169	15	LAT. = 10 52 57.6	1.2
	Y = 1645341	14	LONG. = 64 29 21.0	1.8
	Z = 350499	10	RAD. = 1856471.8	13.4
1778	X = 853182	14	LAT. = 11 36 12.2	1.1
	Y = 1605357	14	LONG. = 62 0 40.3	1.7
	Z = 373292	10	RAD. = 1855919.6	13.7
1780	X = 919542	16	LAT. = 12 18 14.8	1.2
	Y = 1562216	14	LONG. = 59 31 6.1	1.9
	Z = 395381	11	RAD. = 1855371.0	13.9
1782	X = 984029	16	LAT. = 12 58 56.3	1.2
	Y = 1516021	15	LONG. = 57 0 46.6	1.9
	Z = 416679	11	RAD. = 1854792.2	13.9
1784	X = 1046630	16	LAT. = 13 38 11.0	1.2
	Y = 1466816	15	LONG. = 54 29 26.5	1.9
	Z = 437147	11	RAD. = 1854206.2	13.9
1786	X = 1107181	17	LAT. = 14 15 59.8	1.3
	Y = 1414701	15	LONG. = 51 57 8.5	2.0
	Z = 456794	12	RAD. = 1853615.0	14.2

EXPOSURE STATIONS
 MISSILE 17 - REV 38
 (CONTINUED)

STATION NO	CARTESIAN COORDINATES	STD DEV	SPHERICAL POSITION	STD DEV
1788	X = 1110522	17	LAT. = 14 52 14.4	1.3
	Y = 1219789	15	LONG. = 49 23 56.4	2.1
	Z = 115551	12	RAD. = 1853001.9	14.5
1790	X = 1221483	17	LAT. = 15 26 39.7	1.4
	Y = 1302302	15	LONG. = 46 50 3.0	2.1
	Z = 493297	13	RAD. = 1852390.8	14.5
1792	X = 1275092	17	LAT. = 15 59 29.3	1.4
	Y = 1242130	16	LONG. = 44 14 59.2	2.1
	Z = 510148	13	RAD. = 1851755.4	14.9
1794	X = 1326212	17	LAT. = 16 30 25.5	1.4
	Y = 1179499	16	LONG. = 41 38 56.7	2.2
	Z = 525970	13	RAD. = 1851134.8	15.0
1796	X = 1374671	18	LAT. = 16 59 29.4	1.4
	Y = 1114544	16	LONG. = 39 2 3.0	2.2
	Z = 540773	13	RAD. = 1850504.2	15.5
1793	X = 1420426	19	LAT. = 17 26 34.0	1.5
	Y = 1047332	16	LONG. = 36 24 9.8	2.3
	Z = 554502	14	RAD. = 1849861.5	16.1
1800	X = 1463410	19	LAT. = 17 51 36.5	1.5
	Y = 977945	17	LONG. = 33 45 12.2	2.3
	Z = 567144	14	RAD. = 1849215.4	16.4
1802	X = 1503428	18	LAT. = 18 14 30.3	1.5
	Y = 906673	17	LONG. = 31 5 34.6	2.3
	Z = 573651	14	RAD. = 1848564.0	16.6
1804	X = 1540433	19	LAT. = 18 35 14.1	1.5
	Y = 833523	17	LONG. = 28 25 5.5	2.3
	Z = 589021	14	RAD. = 1847920.2	16.8
1806	X = 1574474	19	LAT. = 18 53 42.7	1.5
	Y = 753663	18	LONG. = 25 45 37.8	2.4
	Z = 598216	14	RAD. = 1847268.2	17.0
1808	X = 1605304	19	LAT. = 19 9 55.5	1.4
	Y = 671512	18	LONG. = 23 1 35.4	2.4
	Z = 607211	14	RAD. = 1846642.8	17.5

EXPOSURE STATIONS
MISSION 17 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1810	X = 1632923	19	LAT. = 19 23 45.3	1.5
	Y = 604540	19	LONG. = 20 13 55.9	2.4
	Z = 613047	14	RAD. = 1846005.0	17.9
1812	X = 1657235	19	LAT. = 19 35 11.3	1.4
	Y = 525599	19	LONG. = 17 35 47.9	2.5
	Z = 618620	13	RAD. = 1845365.0	18.3
1814	X = 1678219	20	LAT. = 19 44 11.2	1.4
	Y = 445607	20	LONG. = 14 52 13.0	2.5
	Z = 622957	14	RAD. = 1844738.1	18.7
1816	X = 1695841	20	LAT. = 19 50 10.3	1.4
	Y = 364584	21	LONG. = 12 7 59.4	2.6
	Z = 626070	14	RAD. = 1844115.5	19.3
1818	X = 1710039	20	LAT. = 19 54 51.0	1.4
	Y = 282805	22	LONG. = 9 23 26.0	2.7
	Z = 627918	14	RAD. = 1843500.4	20.0
1820	X = 1720730	20	LAT. = 19 56 24.1	1.3
	Y = 200629	23	LONG. = 6 39 1.4	2.8
	Z = 628484	13	RAD. = 1842866.7	20.6
1821	X = 1724804	21	LAT. = 19 56 14.7	1.3
	Y = 159234	23	LONG. = 5 16 28.6	2.8
	Z = 628305	13	RAD. = 1842571.6	20.9
1822	X = 1727984	21	LAT. = 19 55 27.2	1.2
	Y = 117888	23	LONG. = 3 54 10.2	2.8
	Z = 627804	13	RAD. = 1842271.2	21.2
1824	X = 1731747	21	LAT. = 19 51 58.5	1.3
	Y = 34938	25	LONG. = 1 9 20.9	3.0
	Z = 625858	13	RAD. = 1841702.2	22.2
1825	X = 1732307	22	LAT. = 19 49 17.4	1.3
	Y = -5614	26	LONG. = 0 13 7.5	3.1
	Z = 624408	14	RAD. = 1841416.8	22.9
1826	X = 1731994	22	LAT. = 19 45 59.6	1.3
	Y = -48037	26	LONG. = 1 35 25.2	3.1
	Z = 622654	14	RAD. = 1841144.8	23.7

EXPOSURE STATIONS
MISSION 17 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1823	X = 1728702 Y = -131178 Z = 618174	26 29 15	LAT. = 19 37 28.9 LONG. = - 4 20 21.9 RAD. = 184058.1	1.5 3.3 27.7

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EXPOSURE STATIONS
MISSION 17 - REV 62

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2200	X = -6447 Y = 1845589 Z = -146247	12 13 11	LAT. = - 4 31 50.5 LONG. = 90 12 .6 RAD. = 1851385.6	1.3 1.3 12.9
2202	X = 69485 Y = 1846441 Z = -114395	10 12 10	LAT. = - 3 32 33.7 LONG. = 87 50 41.6 RAD. = 1851286.1	1.1 1.1 11.8
2204	X = 145288 Y = 1843689 Z = -82315	11 12 9	LAT. = - 2 32 54.6 LONG. = 85 29 39.3 RAD. = 1851235.3	1.0 1.2 11.6
2206	X = 220794 Y = 1837263 Z = -50068	11 12 8	LAT. = - 1 32 59.4 LONG. = 83 8 50.3 RAD. = 1851160.1	.9 1.3 11.5
2208	X = 295890 Y = 1827207 Z = -17730	11 12 8	LAT. = - 0 32 55.7 LONG. = 80 48 5.8 RAD. = 1851094.3	.9 1.2 11.7
2210	X = 370309 Y = 1813559 Z = 14607	11 12 8	LAT. = 0 27 7.7 LONG. = 78 27 34.1 RAD. = 1851036.7	.9 1.3 12.0
2212	X = 443981 Y = 1796329 Z = 46897	12 12 8	LAT. = 1 27 6.5 LONG. = 76 7 1.2 RAD. = 1850977.0	.9 1.4 12.0
2214	X = 516833 Y = 1775547 Z = 79121	12 13 8	LAT. = 2 26 59.8 LONG. = 73 46 14.1 RAD. = 1850930.7	.9 1.3 12.7
2216	X = 588651 Y = 1751256 Z = 111196	13 13 9	LAT. = 3 26 39.3 LONG. = 71 25 15.3 RAD. = 1850883.7	1.0 1.5 12.4
2218	X = 659253 Y = 1723515 Z = 143027	13 13 9	LAT. = 4 25 55.4 LONG. = 69 4 4.4 RAD. = 1850830.5	1.0 1.5 12.8
2219	X = 728629 Y = 1692363 Z = 174619	14 14 9	LAT. = 5 24 49.6 LONG. = 66 42 22.4 RAD. = 1850806.6	1.0 1.5 14.1

EXPOSURE STATIONS
MISSION 17 - REV 66

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2630	X = -238479	12	LAT. = - 9 3 46.6	1.3
	Y = 1811842	14	LONG. = 97 29 53.9	1.3
	Z = -291501	12	RAD. = 1850572.4	14.4
2632	X = -162724	10	LAT. = - 8 7 19.5	1.0
	Y = 1824711	12	LONG. = 95 5 45.7	1.1
	Z = -261446	9	RAD. = 1850514.1	12.0
2634	X = -86569	10	LAT. = - 7 9 59.0	1.0
	Y = 1833959	12	LONG. = 92 42 9.2	1.1
	Z = -230846	9	RAD. = 1850456.7	11.7
2636	X = -10283	9	LAT. = - 6 11 56.1	.9
	Y = 1839567	1	LONG. = 90 19 13.0	1.0
	Z = -199809	8	RAD. = 1850415.4	11.3
2638	X = 66081	10	LAT. = - 5 13 11.7	.9
	Y = 1841525	11	LONG. = 87 56 41.6	1.2
	Z = -168346	9	RAD. = 1850384.0	11.3
2640	X = 142307	10	LAT. = - 4 13 55.3	.9
	Y = 1839800	11	LONG. = 85 34 37.3	1.1
	Z = -136547	8	RAD. = 1850340.7	11.4
2642	X = 218241	11	LAT. = - 3 14 14.2	.9
	Y = 1834396	12	LONG. = 83 12 55.1	1.2
	Z = -104488	8	RAD. = 1850285.6	11.5
2644	X = 293716	12	LAT. = - 2 14 14.3	.9
	Y = 1825371	12	LONG. = 80 51 32.5	1.3
	Z = -72231	8	RAD. = 1850261.3	11.9
2646	X = 368634	12	LAT. = - 1 14 1.4	.9
	Y = 1812686	13	LONG. = 78 30 17.6	1.3
	Z = -39837	8	RAD. = 1850218.3	12.4
2648	X = 442758	12	LAT. = - 0 13 42.9	1.0
	Y = 1796425	13	LONG. = 76 9 16.1	1.4
	Z = -7381	9	RAD. = 1850197.6	12.4
2650	X = 516021	12	LAT. = 0 46 37.9	.9
	Y = 1776591	13	LONG. = 73 48 13.6	1.3
	Z = 25096	8	RAD. = 1850184.3	12.4

EXPOSURE STATIONS
MISSION 17 - REV 66
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2652	X = 588240	13	LAT. = 1 46 56.3	1.0
	Y = 1753217	13	LONG. = 71 27 8.4	1.5
	Z = 57544	9	RAD. = 1850163.7	12.6
2654	X = 659318	13	LAT. = 2 47 .1	1.0
	Y = 1726362	13	LONG. = 69 5 51.2	1.5
	Z = 89843	9	RAD. = 1850161.2	12.7
2656	X = 729076	13	LAT. = 3 46 50.1	1.0
	Y = 1696080	13	LONG. = 66 44 20.8	1.5
	Z = 121992	9	RAD. = 1850168.1	13.1
2658	X = 797366	14	LAT. = 4 46 16.5	1.0
	Y = 1662426	14	LONG. = 64 22 32.7	1.6
	Z = 153893	9	RAD. = 1850171.9	13.7
2660	X = 864790	17	LAT. = 5 45 11.6	1.2
	Y = 1625487	17	LONG. = 62 0 19.5	1.9
	Z = 185472	11	RAD. = 1850205.5	16.0
2700	X = 1692755	21	LAT. = 21 5 11.7	1.4
	Y = 344911	22	LONG. = 11 31 .4	2.7
	Z = 666136	14	RAD. = 1851518.5	20.7
2702	X = 1702375	20	LAT. = 21 30 31.6	1.4
	Y = 263672	22	LONG. = 8 48 15.4	2.7
	Z = 678884	14	RAD. = 1851617.0	20.2
2704	X = 1708598	21	LAT. = 21 53 12.9	1.5
	Y = 181888	22	LONG. = 6 4 35.5	2.8
	Z = 690278	15	RAD. = 1851721.6	20.6
2706	X = 1711412	20	LAT. = 22 13 12.6	1.5
	Y = 99722	23	LONG. = 3 20 5.2	2.8
	Z = 700303	14	RAD. = 1851836.4	20.9
2708	X = 1710793	20	LAT. = 22 30 27.0	1.4
	Y = 17393	23	LONG. = 0 34 57.0	2.8
	Z = 708932	14	RAD. = 1851944.8	21.3
2710	X = 1706751	21	LAT. = 22 44 54.4	1.6
	Y = -65022	24	LONG. = - 2 10 54.3	2.0
	Z = 716164	15	RAD. = 1852057.5	21.8

EXPOSURE STATIONS
MISSION 17 - REV 66
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2712	X = 1699301	20	LAT. = 22 56 29.2	1.4
	Y = -147307	25	LONG. = - 4 57 15.9	2.9
	Z = 721959	14	RAD. = 1852174.1	22.2
2714	X = 1688434	21	LAT. = 23 5 12.9	1.6
	Y = -229388	26	LONG. = - 7 44 12.2	3.0
	Z = 726334	16	RAD. = 1852292.8	22.8
2716	X = 1674182	21	LAT. = 23 11 2.2	1.6
	Y = -310928	26	LONG. = - 10 31 15.9	3.0
	Z = 729260	16	RAD. = 1852399.1	23.3
2718	X = 1656600	21	LAT. = 23 13 52.7	1.5
	Y = -391875	27	LONG. = - .3 18 32.0	3.1
	Z = 730717	15	RAD. = 1852521.8	23.8
2720	X = 1635659	21	LAT. = 23 13 50.4	1.5
	Y = -472148	28	LONG. = - 16 6 4.6	3.1
	Z = 730746	15	RAD. = 1852644.6	24.3
2722	X = 1611487	21	LAT. = 23 10 49.6	1.5
	Y = -551341	28	LONG. = - 18 53 14.8	3.2
	Z = 729301	15	RAD. = 1852768.0	24.9
2724	X = 1584031	22	LAT. = 23 4 52.4	1.4
	Y = -629587	29	LONG. = - 21 40 32.8	3.3
	Z = 726397	15	RAD. = 1852886.2	25.4
2726	X = 1553400	22	LAT. = 22 56 1.1	1.4
	Y = -706580	30	LONG. = - 24 27 32.1	3.4
	Z = 722055	15	RAD. = 1853016.9	26.1
2728	X = 1519671	22	LAT. = 22 44 18.6	1.4
	Y = -782092	31	LONG. = - 27 13 56.7	3.4
	Z = 716287	15	RAD. = 1853141.9	26.7
2730	X = 1482780	23	LAT. = 22 29 40.9	1.4
	Y = -856277	32	LONG. = - 30 0 20.1	3.6
	Z = 709057	15	RAD. = 1853269.8	27.5
2732	X = 1443227	24	LAT. = 22 12 24.6	1.5
	Y = -928106	34	LONG. = - 32 44 44.0	3.0
	Z = 704471	15	RAD. = 1853393.3	29.4

EXPOSURE STATIONS
MISSION 17 - REV 74

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2804	X = -905310 Y = 1494849 Z = -602457	15 16 15	LAT. = -19 1 14.4 LONG. = 121 11 59.8 RAD. = 1848544.3	1.6 1.8 15.7
2806	X = -838741 Y = 1540477 Z = -583346	14 15 14	LAT. = -18 23 46.5 LONG. = 118 34 2.4 RAD. = 1848447.3	1.6 1.7 15.3
2808	X = -770464 Y = 1562963 Z = -563049	14 15 14	LAT. = -17 44 7.5 LONG. = 115 57 11.7 RAD. = 1848353.5	1.5 1.7 15.2
2810	X = -700651 Y = 1622282 Z = -541636	13 14 13	LAT. = -17 2 26.6 LONG. = 113 21 33.0 RAD. = 1848264.0	1.4 1.5 14.6
2812	X = -629425 Y = 1658355 Z = -519131	12 14 13	LAT. = -16 18 47.1 LONG. = 110 47 2.9 RAD. = 1848192.1	1.4 1.4 14.1
2814	X = -556962 Y = 1691061 Z = -495619	13 14 13	LAT. = -15 33 20.5 LONG. = 108 13 46.7 RAD. = 1848115.8	1.5 1.7 14.4
2816	X = -483359 Y = 1720385 Z = -471094	12 14 12	LAT. = -14 46 6.5 LONG. = 105 41 35.6 RAD. = 1848050.3	1.3 1.4 14.1
2818	X = -408761 Y = 1746258 Z = -445632	13 14 13	LAT. = -13 57 14.5 LONG. = 103 10 28.2 RAD. = 1847996.3	1.4 1.4 14.1
2820	X = -333419 Y = 1768606 Z = -419284	12 14 12	LAT. = -13 6 50.7 LONG. = 100 40 34.2 RAD. = 1847953.9	1.3 1.4 14.3
2822	X = -257340 Y = 1787447 Z = -392096	10 13 11	LAT. = -12 15 .2 LONG. = 98 11 33.4 RAD. = 1847953.2	1.2 1.2 13.6
2824	X = -180828 Y = 1802643 Z = -364152	11 13 12	LAT. = -11 21 54.3 LONG. = 95 43 42.0 RAD. = 1847925.6	1.3 1.2 13.4

EXPOSURE STATIONS
MISSION 17 - REV 74
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2826	X = -103921	10	LAT. = -10 27 33.5	1.1
	Y = 1814244	13	LONG. = 93 16 42.0	1.1
	Z = -335467	10	RAD. = 1847922.6	12.7
2828	X = -26833	10	LAT. = - 9 32 8.3	1.1
	Y = 1822187	12	LONG. = 90 50 37.1	1.1
	Z = -306128	10	RAD. = 1847917.7	12.2
2830	X = 50349	10	LAT. = - 8 35 41.7	1.1
	Y = 1826495	13	LONG. = 88 25 15.5	1.1
	Z = -276171	10	RAD. = 1847942.1	12.8
2832	Y = 127445	10	LAT. = - 7 38 21.5	1.1
	Z = 1827	13	LONG. = 86 0 36.0	1.2
	Z = -245662	10	RAD. = 1847967.6	12.6
2834	X = 204207	11	LAT. = - 6 40 14.2	1.1
	Y = 1824077	13	LONG. = 83 36 44.3	1.3
	Z = -214664	10	RAD. = 1847982.4	12.5
2836	X = 280626	12	LAT. = - 5 41 25.3	1.1
	Y = 1817368	12	LONG. = 81 13 19.6	1.4
	Z = -183235	10	RAD. = 1843013.0	12.3
2838	X = 356399	11	LAT. = - 4 42 3.1	1.0
	Y = 1807044	12	LONG. = 78 50 34.3	1.3
	Z = -151456	9	RAD. = 1848071.4	12.1
2840	X = 431493	12	LAT. = - 3 42 13.7	1.0
	Y = 1793072	13	LONG. = 76 28 9.6	1.4
	Z = -119386	9	RAD. = 1848119.4	12.4
2842	X = 505736	12	LAT. = - 2 42 .1	1.0
	Y = 177 508	13	LONG. = 74 6 3.3	1.4
	Z = -27062	9	RAD. = 1848181.7	12.3
2844	X = 578943	12	LAT. = - 1 41 30.7	1.0
	Y = 1754589	13	LONG. = 71 44 14.2	1.4
	Z = -54563	9	RAD. = 1848251.4	12.7
2846	X = 650890	13	LAT. = - 0 40 56.6	1.0
	Y = 1724584	13	LONG. = 69 22 47.0	1.5
	Z = -22 17	9	RAD. = 1843343.0	12.8

EXPOSURE STATIONS
MISSION 17 - REV 74
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2848	X = 721649 Y = 1701708 Z = 10626	14 14 9	LAT. = 0 19 45.7 LONG. = 67 1 10.2 RAD. = 1848431.8	1.0 1.6 13.2
2850	X = 791012 Y = 1670210 Z = 43262	14 14 9	LAT. = 1 20 27.7 LONG. = 64 39 27.9 RAD. = 1848559.5	1.0 1.6 13.3
2852	X = 858702 Y = 1635361 Z = 75804	14 14 9	LAT. = 2 21 .3 LONG. = 62 17 48.3 RAD. = 1848653.8	1.0 1.6 13.9
2854	X = 924713 Y = 1597255 Z = 108184	15 14 10	LAT. = 3 21 16.7 LONG. = 59 55 54.4 RAD. = 1848788.9	1.1 1.8 13.6
2856	X = 988858 Y = 1555952 Z = 140344	15 14 9	LAT. = 4 21 11.8 LONG. = 57 33 45.8 RAD. = 1848925.2	1.0 1.8 13.7
2858	X = 1051002 Y = 1511545 Z = 172212	15 14 9	LAT. = 5 20 38.4 LONG. = 55 11 18.5 RAD. = 1849062.1	1.0 1.8 14.0
2860	X = 1111037 Y = 1464133 Z = 203746	16 15 10	LAT. = 6 19 32.4 LONG. = 52 48 26.9 RAD. = 1849216.6	1.1 2.0 14.2
2862	X = 1168884 Y = 1413759 Z = 234890	16 15 10	LAT. = 7 17 48.8 LONG. = 50 24 58.7 RAD. = 1849371.2	1.1 1.9 14.4
2864	X = 1224367 Y = 1360590 Z = 265543	17 15 10	LAT. = 8 15 16.6 LONG. = 48 0 59.8 RAD. = 1849538.6	1.1 2.0 14.5
2866	X = 1277432 Y = 1304656 Z = 295692	17 16 10	LAT. = 9 11 55.4 LONG. = 45 36 14.7 RAD. = 1849701.2	1.1 2.0 14.6
	X = 1328015 Y = 1248363 Z = 325233	18 16 10	LAT. = 10 7 39.0 LONG. = 43 10 35.3 RAD. = 1849893.4	1.1 2.1 15.0

EXPOSURE STATIONS
MISSION 17 - REV 74
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2870	X = 1375920 Y = 1184977 Z = 354233	18 16 11	LAT. = 11 2 18.6 LONG. = 40 44 9.1 RAD. = 1850083.0	1.1 2.1 15.2
2872	X = 1421088 Y = 112147° Z = 382480	18 16 11	LAT. = 11 55 47.8 LONG. = 38 16 45.8 RAD. = 1850268.9	1.1 2.1 15.5
2874	X = 1463387 Y = 1055805 Z = 409937	18 17 11	LAT. = 12 47 56.2 LONG. = 35 48 35.0 RAD. = 1850479.0	1.2 2.3 15.8
2876	X = 1502741 Y = 988020 Z = 436602	19 17 11	LAT. = 13 38 43.7 LONG. = 33 19 26.6 RAD. = 1850685.4	1.2 2.3 16.2
2878	X = 1539132 Y = 918173 Z = 462407	19 18 11	LAT. = 14 28 2.8 LONG. = 30 49 5.8 RAD. = 1850889.1	1.2 2.3 16.7
2880	X = 1572412 Y = 846572 Z = 487270	19 19 12	LAT. = 15 15 42.9 LONG. = 28 17 51.4 RAD. = 1851106.2	1.3 2.5 16.9
2882	X = 1602573 Y = 773190 Z = 511188	20 19 12	LAT. = 16 1 43.9 LONG. = 25 45 21.0 RAD. = 1851317.3	1.3 2.5 17.5
2884	X = 1629525 Y = 698296 Z = 534077	19 19 12	LAT. = 16 45 54.6 LONG. = 23 11 47.3 RAD. = 1851541.7	1.2 2.4 17.7
2886	X = 1653203 Y = 621964 Z = 555914	19 19 12	LAT. = 17 28 13.0 LONG. = 20 37 1.8 RAD. = 1851745.5	1.2 2.5 18.0
2888	X = 1673587 Y = 544424 Z = 576646	20 20 13	LAT. = 18 8 30.1 LONG. = 18 1 11.7 RAD. = 1851974.9	1.3 2.5 18.5
2890	X = 1690617 Y = 465745 Z = 596241	20 20 13	LAT. = 18 46 42.8 LONG. = 15 24 8.1 RAD. = 1852189.9	1.3 2.6 18.8

EXPOSURE STATIONS
MISSION 17 - REV 74
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2892	X = 1704281	20	LAT. = 19 22 44.9	1.4
	Y = 386048	21	LONG. = 12 45 47.0	2.7
	Z = 614661	14	RAD. = 1852408.2	19.2
2894	X = 1714531	20	LAT. = 19 56 30.0	1.3
	Y = 305637	22	LONG. = 10 6 27.1	2.7
	Z = 631869	13	RAD. = 1852643.1	19.6
2896	X = 1721344	20	LAT. = 20 27 51.5	1.4
	Y = 224586	22	LONG. = 7 26 .4	2.8
	Z = 647806	14	RAD. = 1852867.7	20.1
2898	X = 1724703	20	LAT. = 20 56 47.0	1.4
	Y = 143086	23	LONG. = 4 44 33.2	2.8
	Z = 662468	14	RAD. = 1853088.4	20.7
2900	X = 1724600	21	LAT. = 21 23 9.2	1.6
	Y = 61380	24	LONG. = 2 2 18.1	2.9
	Z = 675801	15	RAD. = 1853299.9	21.2
2902	X = 1721091	20	LAT. = 21 46 53.2	1.4
	Y = -20502	24	LONG. = - 0 40 56.9	2.9
	Z = 687789	14	RAD. = 1853544.4	21.6
2904	X = 1714109	21	LAT. = 22 7 57.8	1.3
	Y = -102322	24	LONG. = - 3 24 58.2	2.9
	Z = 698409	14	RAD. = 1853756.4	22.2
2906	X = 1703705	20	LAT. = 22 26 19.6	1.4
	Y = -184051	25	LONG. = - 6 9 56.7	2.9
	Z = 707659	14	RAD. = 1853986.7	22.5
2908	X = 1689870	21	LAT. = 22 41 54.3	1.5
	Y = -265482	26	LONG. = - 8 55 42.0	3.0
	Z = 715503	15	RAD. = 1854207.7	23.0
2910	X = 1672682	21	LAT. = 22 54 36.6	1.5
	Y = -346236	27	LONG. = - 11 41 41.0	3.0
	Z = 721904	15	RAD. = 1854424.5	23.6
2912	X = 1652120	21	LAT. = 23 4 28.0	1.5
	Y = -426337	27	LONG. = - 14 23 17.0	3.1
	Z = 726320	15	RAD. = 1854651.7	24.1

EXPOSURE STATIONS
MISSION 17 - REV 74
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2914	X = 1628250	21	LAT. = 23 11 24.9	1.5
	Y = -505723	28	LONG. = - 17 15 16.0	3.1
	Z = 730412	15	RAD. = 1854846.4	24.6
2916	X = 1601107	21	LAT. = 23 15 27.4	1.4
	Y = -534098	28	LONG. = - 20 2 32.6	3.2
	Z = 732503	15	RAD. = 1855067.3	25.2
2918	X = 1570757	21	LAT. = 23 16 34.2	1.5
	Y = -661255	29	LONG. = - 22 49 48.1	3.2
	Z = 733134	15	RAD. = 1855268.8	25.7
2920	X = 1537224	22	LAT. = 23 14 42.2	1.5
	Y = -737209	30	LONG. = - 25 37 15.8	3.3
	Z = 732289	15	RAD. = 1855473.7	26.3
2922	X = 1500666	23	LAT. = 23 9 56.2	1.6
	Y = -811547	31	LONG. = - 28 24 14.9	3.4
	Z = 730003	16	RAD. = 1855670.6	27.0
2924	X = 1461044	23	LAT. = 23 2 13.6	1.5
	Y = -83437	32	LONG. = - 31 11 14.0	3.5
	Z = 726251	15	RAD. = 1855866.9	27.8
2926	X = 1418557	24	LAT. = 22 51 38.6	1.5
	Y = -955360	33	LONG. = - 33 57 33.1	3.6
	Z = 721065	15	RAD. = 1856058.1	28.7
2928	X = 1373112	25	LAT. = 22 38 9.1	1.6
	Y = -1024594	34	LONG. = - 36 43 46.9	3.7
	Z = 714416	16	RAD. = 1856238.5	30.1
2930	X = 1324920	27	LAT. = 22 21 52.3	1.6
	Y = -1091748	36	LONG. = - 39 29 19.3	3.9
	Z = 706364	17	RAD. = 1856421.6	31.8
2932	X = 1274072	28	LAT. = 22 2 47.2	1.7
	Y = -1156145	38	LONG. = - 42 14 12.0	4.1
	Z = 696891	17	RAD. = 1856602.9	33.8