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Radiation Observations
with
Satellite 1958 Alpha
(Explorer I)*

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DESCRIPTION OF TABULATED DATA

by

George H. Ludwig*

INTRODUCTION

On 1 February 1958 at 0348 U.T. earth satellite 1958 Alpha (Explorer I) was launched from Cape Canaveral. This satellite contained a Geiger Müller tube for the measurement of the flux of energetic charged particles, and detectors for determining the micrometeorite flux and satellite temperature (see Figure 1). The high power transmitter and its associated instrumentation operated until partial exhaustion of the transmitter batteries on 12 February 1958. The transmitter reappeared briefly on 24 February. The low power system operated properly until about 0700 U.T. on 16 March, at which time the batteries powering the G.M. tube circuits became exhausted. During the operating time a large amount of data was recorded by a network of seventeen receiving stations. A sampling of early recordings was reduced and analyzed as they arrived from the receiving stations. These data, in conjunction with data from the first few orbits of 1958 Gamma (Explorer III), resulted in the announcement on 1 May 1958 of the region of high intensity radiation surrounding the earth (Van Allen, 1958).

The detailed, complete reduction of the 1958 Alpha data has now been completed. This paper is a tabulation of all the data received from this

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satellite. It consists primarily of two parts. The first part is the master recording log on which are listed all recordings of the satellite signals obtained by the receiving station network. The actual data tabulation is contained in part two.

GENERAL DISCUSSION

A complete description of the satellite instrumentation has been published (Ludwig, 1959) and will not be repeated here. The G.M. tube was a cylindrical Anton type 314 halogen quenched one having a stainless steel wall with a thickness of about 0.127 cm. The counter was surrounded by the 0.058 cm. thick stainless steel payload wall, making a total shielding of 1.46 ± 0.07 g/cm.^{2} (extrapolated range for electrons of energy 3 Mev. or range for 30 Mev. protons) for particles incident normal to the longitudinal axis of the tube.

The efficiency ϵ of the G.M. counter for energetic charged particles was $85 \pm 3\%$. Its omnidirectional geometric factor G_o defined as

$$G_o = 0.25 \pi \, a \, \ell \, (1 + a/2\ell)$$

where a is the effective diameter and ℓ is the effective length, was 17.4 ± 1.0 cm.^{2}. Thus the omnidirectional flux J_o was given by

$$J_o = \frac{R}{\epsilon G_o} = 0.068 \, R$$

where R was the true counting rate.

The relationship between the true counting rate R and the apparent counting rate r is not linear at high rates due to counter dead time and scaler pulse amplitude threshold effects. Since the existence of the high

intensity trapped radiation was not anticipated before the flight of 1958 Alpha, it was believed that the counter would always operate on the lower linear portion of the R vs r curve; thus the R vs r calibration of the flight instrumentation was not performed. After the discovery that the flight counter was being saturated, this relationship was determined for the spare payload and was found to be well represented by the one parameter formula:

$$r = Re^{-R\tau} \qquad (1)$$

where τ = 344 microseconds, corresponding to r_{max} = 1069 sec^{-1}. The maximum observed rate in flight of 1958 Alpha varied from 2480 sec^{-1} to about 2150 sec^{-1}. The single best choice of r_{max} seems to be 2250 sec^{-1}. Hence, in the correction of the tabulated apparent counting rates to true rates, it is suggested that the formula (1) be used with τ = 164 microseconds. For example, an apparent rate r of 2250 sec^{-1} is taken to correspond to a true rate R = 6100 sec^{-1}; as another example an apparent counting r of 1500 sec^{-1} corresponds <u>either to</u> 2130 sec^{-1} <u>or to</u> 13,300 sec^{-1}. The intrinsic ambiguity of formula (1) can usually be resolved without difficulty by a general examination of the context - i.e., position in space and other data in that general region and continuity of the data - and by a study of the statistical fluctuations of the apparent counting rates (which are relatively greater on the lower branch of the r vs R curve). The foundations for arriving at the above procedure for the determination of R obviously permit a progressively greater uncertainty for values of r greater than about 1800 sec^{-1}, though reduction to true

rates is believed to be worthwhile nonetheless in order to learn the general nature of the dependence of R on positional coordinates.

The temperature characteristics of the G.M. tube and circuitry for the flight payload were determined with the entire payload placed in a temperature chamber and operating from the internal batteries and with the G.M. tube illuminated by a Co^{60} gamma source maintained at a fixed position. The results of this test, Figure 2, show that the temperature effect was negligible, at least at low counting rates.

The receiving stations which participated in the gathering of the 1958 Alpha data are listed in Table I. This table also lists the number of recordings which produced usable data received by each station. The Tokyo station was not one of the regular network of Minitrack and Microlock stations but was an independent station established by the Radio Research Laboratories, Kokubunji, Tokyo. The cooperation of these Laboratories is gratefully acknowledged.

Table I

1958 Alpha Receiving Stations

Station	Type	Transmitter Received	Code	Usable Recordings Before 12 Feb.	Usable Recordings After 12 Feb.
Antigua, Br. W. Ind.	Minitrack	High Power	O	19	6
Antofagasta, Chile	Minitrack	High Power	H	9	1
Blossom Point, Md.	Minitrack	High Power	BP	14	-
Earthquake Valley, California	Microlock	Low Power	2000	31	49
Fort Stewart, Ga.	Minitrack	High Power	C	33	-
Havana, Cuba	Minitrack	High Power	D	39	4
Pasadena, California (JPL)	Microlock	Low and High Power	8000	42	12
Lima, Peru	Minitrack	High Power	G	9	-
Ibadan, Nigeria	Microlock	Low Power	4000	20	46
Patrick Air Force Base, Florida	Microlock	Low Power	1000	27	12
Quito, Ecuador	Minitrack	High Power	F	22	-
San Diego, Calif.	Minitrack	High Power	B	1	2
Santiago, Chile	Minitrack	High Power	J	35	2
Singapore	Microlock	Low Power	3000	12	22
Temple City, California	Microlock	Low Power	5000	11	5
Tokyo, Japan	Conventional	High Power	T	32	-
Woomera, Australia	Minitrack	(High Power (Low Power (after 12 Feb.	I	38	76

DISCUSSION OF RECORDING LOG TABULATION

Included in the recording log are all tape recordings, whether or not they resulted in usable data. The recordings are listed chronologically, and an indication of the usefulness of the recording is given. The data beginning and ending times refer to the reception of an R. F. carrier signal and a detectable subcarrier oscillator modulation. Thus, the listings after about 0700 U.T. on 16 March 1958 do not include usable data, since the circuitry located ahead of the subcarrier oscillator became inoperative at that time.

A. Dates and times: All dates and times are universal. Thus, 2248, 31 January 1958 local standard time at Patrick Air Force Base, Florida, is 0348, 1 February 1958 universal time.

B. Record number: The recordings were generally numbered consecutively by station. The number is preceded by the station code as listed in Table I.

C. Transmitter: H.P. refers to the high power (60 milliwatt), amplitude-modulated transmitter which radiated at a frequency of 108.030 mc/sec. L.P. is the low power (10 milliwatt), phase-modulated, 108.000 mc/sec transmitter.

D. Orbit number: The satellite orbits are numbered consecutively. The orbit number changes at the ascending node.

E. Approximate acquisition: This is the approximate time at which the R.F. carrier signal was first detected.

F. Data begins and data ends: The times, to the nearest second, between which a readable record was obtained when the raw telemetry signal

was filtered, discriminated, and displayed on a moving pen oscillograph at the SUI data reduction center.

G. Data quality: the data quality is a graduated scaling from A to F, which is to be interpreted as follows:

A. Noise free data.

B. Data readable within extended segments. Some noise.

C. Regular noise fade patterns with clear segments between fades.

D. Noise on all data.

E. Very noisy data. Barely readable.

F. No readable data.

The regular fade patterns observed on many passes were due to amplitude nulls in the satellite antenna pattern and polorization nulls as the satellite tumbled end over end in space with a seven second tumble period.

H. Remarks: This column contains comments by the data reducer and/or data readers. The abbreviations and often used remarks are as follows:

RSL - Recording starts late, usually because the receiving station tuned in late.

REE - Recording ends early, usually because the recorder ran out of tape.

NR - Recording not reduced, usually because there was a better recording from another station.

BNR - Beginning not reduced, usually because the recording from another station was better at that time.

ENR - Ending not reduced, usually because the recording from another station was better at that time.

See ____ - Refers to another recording of higher quality.

No Voice - No voice announcement was present on the voice track. The voice track usually contained a secondary recording identification, date, signal quality information, time on some recordings, and microlock station acquisition time.

Low Recording Level - Usually this was the result of a low tape recorder gain setting at the time of recording.

No Time Signal - Absence of any local coded, WWV, or voice time.

Time Base Interpolated - Refers to those records which contained only a voice time announcement at the beginning and end of the recording.

Times Obtained by Comparison with ____ - Refers to those records which carried no time marking, and which were synchronized in time by comparison of the switching pattern with another recording obtained at the same time by another station.

Counter Saturated - Refers to those recordings in which the apparent rate r was zero due to saturation of the G.M. tube by the high intensity trapped radiation.

DISCUSSION OF DATA TABULATION

A separate sheet is used for the data tabulation obtained from each station recording. They contain the raw data as read manually from the oscillograph records by the data reader and then, independently, by the data checker. The determination of questionable switching events on the records was also checked by a third person. Thus, all data have been double-checked and in many cases triple-checked.

The comments on record number, date and time, data quality and remarks which appear in the discussion of the recording log above, apply also to these tabulations. Additional comments are as follows:

A. Data Reader: The name of the person making the original reading from the oscillograph record.

B. Data Checker: The name of the person making the second reading.

C. Nominal Time and Time Interval: The readable data segments were marked and subdivided into segments not exceeding twelve seconds in duration. The beginning and ending of most segments were coincident with a switching of the scaler last stage. The time interval is the duration of the segment, and the nominal time is the time at the center of the segment. It is the time to which the rate determined for that segment is attributed. In those cases where only a few switches occurred during the recording, a maximum rate is determined for some segments. This would be the rate if the next switch occurred just after the signal faded into the noise.

D. Count (cycles): In this column are listed the number of cycles of the square waveform obtained from the fifth (final) scaler stage. This number, times 32 is the number of ionizing events which occurred in the counter during the time interval.

E. Rate (counts/sec): This is the apparent rate r, obtained from

$$r = \frac{\text{count} \times 32}{\text{time interval}}$$

From r, the true rate R may be obtained as explained in the general discussion above. Since this expression is double valued, care must be exercised to determine on which branch of the curve the point lies. A few points in the region $R \approx 6100$ are indeterminate. Those points for which R is not near 6100 can be placed on the proper branch by considering the position of the satellite at that time.

F. Satellite Position (Latitude, Longitude, and Height): The positions of the satellite at the nominal times were determined by the use of the satellite position data obtained from the Vanguard Computing Center. These data were the result of a long time smoothing of the Minitrack tracking data. The position of the satellite was tabulated by the Computing Center for each minute of the operating lifetime. A straight line interpolation between those one minute points was performed to obtain the position at the nominal times listed. The accuracy of these positions is believed to be better than ten kilometers in any direction.

G. Local Time Correction: This is the factor used by the data readers to convert from centimeters on the oscillograph recording to seconds in real time.

ACKNOWLEDGEMENTS

The large amount of effort expended by the data readers and checkers listed on the tabulations is obvious when one considers that each figure contained in these volumes was manually read, checked, and often checked again. This effort and diligence are gratefully acknowledged. The services of Mrs. E. Robison who performed most of the typing and assembling of the report is also acknowledged.

The 1958 Alpha project has been directed and supervised by Professor James A. Van Allen.

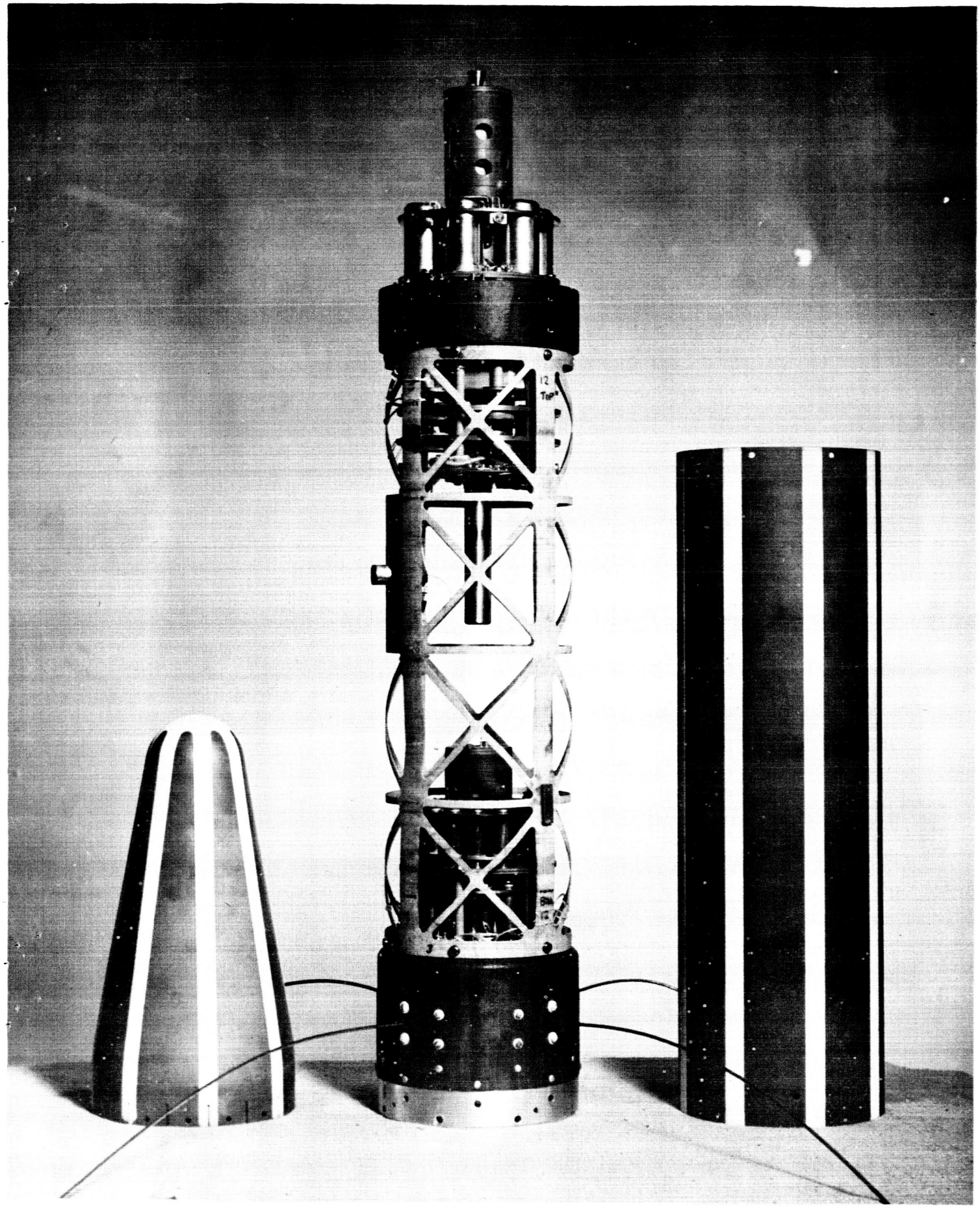
Van Allen, J. A., G. H. Ludwig, E. C. Ray, and C. E. McIlwain, "Observations of High Intensity Radiation by Satellites 1958 Alpha and Gamma", Jet Propulsion 28, 588-592 (1958).

Ludwig, G. H., "Cosmic Ray Instrumentation in the First U. S. Earth Satellite", Rev. Sci. Instr. 30, 223-229 (1959).

Figure Captions

Fig. 1 Photograph of the satellite 1958 Alpha instrumentation.

Fig. 2 Temperature calibration of the counting rate of the G.M. tube and associated circuitry at low rates when illuminated with a fixed Co^{60} source.



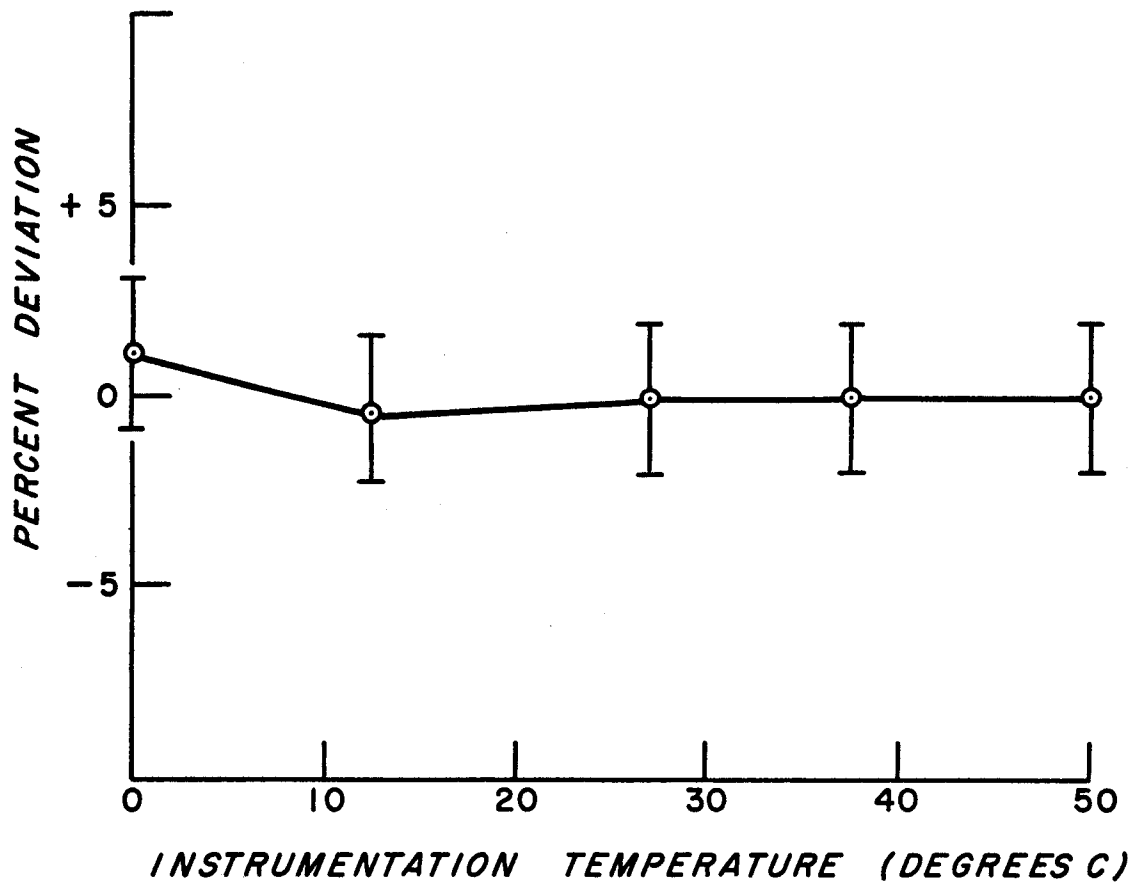


FIGURE 2. TEMPERATURE CALIBRATION

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RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 1 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1001	L	1	0348	0348:10	0354:49	A	Launch Tape
Antigua	D-1	H	1	0350			F	
JPL	8002	H	2	0545			F	
JPL	8001	L	2	0545	0545:22	0547:35	B	
EQV	2001	H	2	0530	0545:36	0546:40	B	
San Diego	B-4	H	2	0545	0545:47	0546:06	B	NR. Date uncertain. See 8001, 2001.
Havana	D-1	H	2	0550	0554:02	0555:34	C	RSL
Quito	F-1	H	2	0550			F	RSL
Singapore	3001	L	2	0703	0707:01	0709:47	E	
EQV	2002	L	3	0730			F	
Temple City	5002	L	3	0731			F	
JPL	8003	L	3	0745			F	
JPL	8004	H	3	0745			F	
Quito	F-2	H	3	0755	0758:43	0801:27	B	
Lima	G-1	H	3	0801	0801:43	0802:03	B	RSL
Singapore	3002	L	3	0902			F	
Antofagasta	H-1-1	H	4	1010			F	
EQV	2003	L	4	1030			F	
Antofagasta	H-1-2	H	5	1210			F	
Nigeria	4001	L	5	1245			F	
Tokyo	T-1-A	H	6	1300	1325:04	1328:23	C	
Antofagasta	H-1-3	H	6	1418			F	
Nigeria	4002	L	7	1445	1452:26	1455:52	D	
Santiago	J-4	H	7	1622	1622:00	1632:48	C	Counter saturated.
Nigeria	4003	L	8	1650			F	
Singapore	3003	L	9	1923	1926:07	1928:32	D	
PAFB	1003	L	10	2040			F	No voice.
Havana	D-2	H	10	2040	2041:46	2043:04	D	
Quito	F-3	H	10	2040			F	
Singapore	3004	L	10	2128			F	
Woomera	L-1	H	10	2140	2143:05	2145:57	C	
Havana	D-3	H	10	2243	2243:33	2246:37	B	ENR. See 1004.
PAFB	1004	L	10	2235	2243:34	2247:45	D	
Ft. Stewart	C-1	H	10	2240	2244:33	2246:03	C	NR. See D-3, 1004.
Blossom Pt.	BP-3	H	10	2243	2246:23	2246:47	D	NR. See D-3, 1004.

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 1 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Woomera	I-2	H	1	2345	2349:37	2355:49	C	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 2 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Temple City	5003	L	12	0027			F	
JPL	8005	L	12	0033	0036:41	0038:38	E	Data questionable.
EQV	2004	L	12	0031	0038:23	0041:50	E	Data questionable.
JPL	8006	H	12	0033			F	
Havana	D-4	H	12	0045	0046:17	0046:32	D	
PAFB	1005	L	12	0041	0046:18	0048:59	E	
Ft. Stewart	C-2-1	H	12	0043	0046:30	0048:06	C	NR. See 1005, BP6.
Blossom Pt.	BP-6	H	12	0035	0047:57	0048:36	C	
Nigeria	4004	L	12	0108	0108:23	0109:41	C	
Woomera	I-3	L	12	0150			F	
JPL	8007	H	13	0235	0238:10	0241:29	B	
EQV	2005	L	13	0234	0239:00	0242:11	B	
Temple City	5004	L	13	0235			F	
JPL	8022	H	13	0220	0239:38	0240:40	E	
Ft. Stewart	C-2-2	H	13	0247	0247:50	0249:17	C	Time base interpolated.
Blossom Pt.	BP-5	H	13	0245	0249:29	0249:41	D	
Havana	D-5	H	13	0245			E	
Nigeria	4005	L	13	0310			F	
JPL	8023	H	14	0430	0441:08	0442:14	C	
JPL	8026	L	14	0430	0441:10	0441:48	E	
EQV	2006	L	14	0440	0441:10	0443:07	A	
Temple City	5005	L	14	0441			F	
Ft. Stewart	C-2-3	H	14	0445			E	NR. See D-6.
Havana	D-6	H	14	0445	0449:57	0451:15	B	
Antigua	G-2	H	14	0554			F	
JPL	8024	H	15	0635	0641:43	0643:26	E	
EQV	2007	L	15	0640	0641:49	0641:52	E-F	
JPL	8025	H	15	0635	0642:04	0643:21	E	
Temple City	5006	L	15	0644			F	
Quito	F-4	H	15	0649	0654:48	0656:10	B	RSL. Time base interpolated.
Singapore	3005	L	15	0755			F	
Tokyo	J-1-B	H	16	0800	0819:39	0823:37	C	
Lima	G-2-2	H	16	0900			C	No time signal.
Santiago	J-5	H	16	0900	0903:49	0905:34	B	Counter saturated.
Quito	F-5	H	16	0905			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 2 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Antofagasta	H-1-4	H	16	0910			F	RSL.
Tokyo	T-1-C	H	17	1000	1021:54	1024:32	C	
Singapore	3006	L	17	1007			F	
Lima	G-2-3	H	17	1104			F	
Santiago	J-6	H	17	1104	1106:08	1108:51	B	RSL.
Antofagasta	H-1-5	H	17	1110			F	
Nigeria	4006	L	17	1135			F	
Tokyo	T-1-D	H	18	1200	1222:52	1225:26	C	
Santiago	J-7	H	18	1305	1314:20	1318:33	C	Counter saturated.
Nigeria	4007	L	19	1338	1350:08	1351:15	E	Counter saturated.
Tokyo	T-2-A	H	19	1400	1425:05	1425:08	C	
PAFB	1008	L	19	1427			F	
Santiago	J-8	H	19	1512	1515:00	1520:36	C	Counter saturated.
Nigeria	4008	L	20	1544			F	
Quito	F-6	H	20	1724	1724:41	1726:15	C	RSL. Time base interpolated. Counter saturated
Antigua	O-3	H	20	1730			F	
Woomera	I-4-1	H	21	1833			F	
Quito	F-7	H	22	1920	1931:57	1935:14	B	
Antigua	O-4-1	H	22	1937	1942:16	1944:11	B	
Singapore	3007	L	22	2020			F	
Woomera	I-4-2	L	22	2033	2035:15	2042:54	B	
PAFB	1009	L	23	2129	2138:43	2142:18	D	
EQV	2008	L	23	2135			F	
Ft. Stewart	C-3-1	H	23	2140	2140:17	2143:04	B	Time base interpolated.
Antigua	O-4-2	H	23	2144			F	
Woomera	I-5	L	23	2238	2239:21	2248:37	C	
JPL	8008	H	24	2325			F	
JPL	8012	L	24	2325			F	
Temple City	5007	L	24	2327			F	
EQV	2009	L	24	2335			F	
Havana	D-7	H	24	2340	2341:13	2343:43	C	ENR. See C-3-2.
PAFB	1010	L	24	2334	2341:35	2344:29	E	
Ft. Stewart	C-3-2	H	24	2341	2341:43	2345:20	A	Time base interpolated. BNR. See 1010.

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 3 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4009	L	24	0001	0003:34	0004:42	E	
Woomera	I-6	L	24	0040	0043:58	0055:48	B	
JPL	8013	H	25	0128			F	
EQV	2010	L	25	0133	0133:00	0137:37	B	
JPL	8009	H	25	0128	0134:51	0135:48	E	
Temple City	5009	L	25	0132	0135:10	0137:30	D	NR. See JPL 8009, EQV 2010.
Ft. Stewart	C-3-3	H	25	0143	0143:01	0145:58	B	Time base interpolated.
PAFB	1011	L	25	0141	0143:27	0145:47	D	
Blossom Pt.	BP 7-I	H	25	0145			D	No time signal. See C-3-3.
Havana	D-8	H	25	0150			F	RSL
Nigeria	4010	L	25	0205			F	
Woomera	I-7-1	L	25	0255			F	
EQV	2011	L	26	0330	0336:10	0338:33	B	
JPL	8014	L	26	0335			F	(times obtained by
Temple City	5010	L	26	0334	0336:50	0338:08	B	No time signal (comparison with 2011.
JPL	8010	H	26	0332	0336:53	0337:54	E	
Havana	D-9	H	26	0344	0344:54	0346:43	B	
PAFB	1012	L	26	0343	0345:09	0346:20	D	
Ft. Stewart	C-3-4	H	26	0345	0345:30	0346:32	C	NR. RSL. See 1012, D-9.
Blossom Pt.	BP 7II	H	26	0345			F	
Antigua	O-5-1	H	26	0349	0349:59	0351:53	B	
JPL	8015	L	27	0525	0537:18	0539:19	C	
JPL	8011	H	27	0525	0537:31	0539:28	D	
EQV	2012	L	27	0535	0537:46	0538:22	E	
Havana	D-10	H	27	0545			F	
Singapore	3008	L	28	0644	0700:28	0702:01	E	
Tokyo	T-2-B	H	28	0700	0724:17	0726:38	D	
JPL	8019	H	28	0725			F	
JPL	8016	L	28	0725			F	
Lima	G-2-4	H	28	0750			B	No time signal.
Quito	F-9	H	28	0750	0752:45	0754:22	D	Data questionable.
Antofagasta	H-2-1	H	28	0755			F	
Singapore	3009	L	29	0853			F	
Tokyo	T-2-C	H	29	0900	0916:52	0919:15	B	
Antofagasta	H-2-2	H	29	0955			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 3 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Santiago	J-9	H	29	0958	0958:38	1005:30	C	Counter saturated.
Tokyo	T-2-D	H	30	1100	1118:28	1120:15	B	
Antofagasta	H-2-3	H	30	1200			F	
Santiago	J-10	H	30	1200	1204:28	1206:04	B	
Nigeria	4011	L	30	1230	1239:54	1243:47	D	Counter saturated.
Tokyo	T-3A	H	31	1300	1318:01	1322:06	C	
Santiago	J-11	H	31	1405	1406:06	1417:55	C	RSL
Antofagasta	H-3-1	H	31	1410			F	
Nigeria	4012	L	32	1438	1443:46	1448:27	E	Data questionable.
Blossom Pt.	BP-10I	H	32	1538			F	No time signal.
Antofagasta	H-3-2	H	32	1600			F	
Santiago	J-12	H	32	1613			F	
Quito	F-10	H	32	1615			F	Probable counter saturation.
Nigeria	4013	L	33	1645			F	
PAFB	1013	L	33	1819			F	
Quito	F-11	H	33	1815	1824:55	1827:30	C	
Singapore	3010	L	34	1915			F	
Woomera	I-7-2	L	34	1934	1934:06	1937:15	B	Beginning not played.
Quito	F-12	H	34	2015			F	
PAFB	1014	L	35	2022			F	
EQV	2013	L	35	2029			F	
Ft. Stewart	C-4-1	H	35	2030	2030:21	2036:21	B	Time base interpolated. See D-11
Havana	D-11	H	35	2030	2032:24	2035:49	B	
Blossom Pt.	BP 4-I	H	35	2035			F	
Antigua	O-5-2	H	35	2038	2038:39	2039:19	B	
Singapore	3011	L	35	2125			F	
Woomera	I-8-1	L	35	2129	2134:25	2141:05	B	
JPL	8017	L	36	2218			F	
JPL	8020	H	36	2218			F	
EQV	2014	L	36	2230			F	
Ft. Stewart	C-4-2	H	36	2235	2235:35	2239:41	A	BNR. See D-12. Time base interpolated.
Havana	D-12	H	36	2230	2235:42	2238:57	A	
PAFB	1015	L	36	2225	2236:08	2240:12	C-D	
Blossom Pt.	BP-4-II	H	36	2240			B	No time signal. NR.
Nigeria	4014	L	36	2258			F	

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Woomera	I-8-2	I	36	2332	2337:17	2345:41	C	

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Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
JPL	8018	L	37	0020			F	
JPL	8021	H	37	0020	0027:39	0031:46	D	
EQV	2015	L	37	0030	0030:18	0032:34	E	
Blossom Pt.	BP-2	H	37	0035			B	No voice, no time signal. NR.
Ft. Stewart	C-4-3	H	37	0037	0037:32	0041:53	B	RSL. Time base interpolated.
Havana	D-13	H	37	0038	0038:29	0039:47	C	RSL
PAFB	1016	L	37	0033	0038:45	0041:07	D	Tape flutter.
Woomera	I-9-1	L	37	0147			B	No time signal. RSL
JPL	8028	H	38	0226	0227:23	0232:40	E	
EQV	2016	L	38	0230	0231:42	0234:31	C	
JPL	8030	L	38	0226	0231:51	0233:41	E	(times obtained by
Temple City	5011	L	38	0229	0232:03	0234:17	B	No time signal (comparison with 2016.
Ft. Stewart	C-5-1	H	38	0238	0238:46	0242:34	B	Time interpolated and extrapolated.
Havana	D-14	H	38	0240	0240:07	0240:34	C	RSL
PAFB	1017	L	38	0237	0240:24	0242:27	D	
JPL	8029	H	39	0428	0432:28	0433:04	D	REE
EQV	2017	L	39	0430	0433:16	0435:14	B	
JPL	8031	L	39	0432	0433:25	0434:41	C	(times obtained by
Temple City	5012	L	39	0423	0433:29	0435:00	A	No time signal (comparison with 2017.
PAFB	1018	L	39	0440			F	
Havana	D-15	H	39	0442	0442:47	0443:45	D	
Antigua	O-6-1	H	39	0447			F	
Temple City	5013	L	40	0629			F	
EQV	2018	L	40	0630			F	
JPL	8032I	L	40	0632	0635:02	0636:01	E	Data questionable
JPL	8039I	H	40	0635			F	
Quito	F-13	H	40	0645			F	
Lima	G-3-1	H	40	0655			D	No time signal
Singapore	3012	L	40	0749			F	
Tokyo	T-3-B	H	41	0800	0811:17	0815:06	B	
Santiago	J-13	H	41	0845	0852:52	0858:51	B	RSL
Antofagasta	H-3-3	H	41	0850	0853:40	0854:39	C	RSL
Tokyo	T-3-C	H	42	1000	1013:53	1015:46	B	
Santiago	J-14	H	42	1047	1054:55	1105:06	B	
Antofagasta	H-4-1	H	42	1058			F	

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Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Tokyo	T-3-D	H	43	1200	1213:54	1217:27	C-D	
Antofagasta	H-4-2	H	43	1300			F	
Santiago	J-15	H	43	1257	1300:43	1310:09	C	
Nigeria	4015	L	43	1332			F	
Antofagasta	H-5-1	H	44	1503			F	
Lima	G-33	H	44	1508			F	
Santiago	J-16	H	44	1503	1510:00	1513:42	C	Counter saturated.
Nigeria	4016	L	45	1533			F	
Quito	F-14	H	45	1715	1716:10	1718:37	C	Time base interpolated.
PAFB	1019	L	45	1722			F	
Lima	G-4	H	45	1723			F	
Antigua	O-6-2	H	46	1729			F	
Singapore	3013	L	46	1811	1813:25	1816:52	D	
Woomera	I-9-2	L	46	1826	1826:38	1830:31	B	RSL
PAFB	1020	L	46	1918			F	
Quito	F-15	H	47	1920	1925:50	1927:42	B	
Ft. Stewart	C-5-2	H	47	1924	1926:26	1929:09	C	Time base interpolated.
Antigua	O-7	H	47	1925	1932:22	1936:27	B	
Singapore	3014	L	47	2016			F	
Woomera	I-10-1	L	47	2028	2028:05	2035:19	A	RSL
JPL	8039II	L	48	2116			F	
JPL	8032II	H	48	2116			F	
EQV	2019	L	48	2125			F	
Havana	D-16	H	48	2128	2128:32	2133:55	B	ENR. See C-5-3.
Ft. Stewart	C-5-3	H	48	2129	2129:02	2134:35	A	
PAFB	1021	L	48	2120	2130:45	2134:39	C	
Blossom Pt.	BP-10II	H	48	2133			F	Low recording level.
Antigua	O-8	H	48	2136			F	
Woomera	I-10-2	L	48	2230	2230:25	2238:51	B	RSL
JPL	8039III	H	49	2315	2317:52	2327:19	D	
JPL	8032III	L	49	2313	2318:55	2326:49	C	
EQV	2020	L	49	2325			F	
Ft. Stewart	C-6-1	H	49	2330	2332:05	2337:29	A	Time base interpolated.
Havana	D-17	H	49	2332	2332:48	2335:46	B	NR. See C-6-1, 1022, BP-14.
PAFB	1022	L	49	2329	2333:47	2336:50	C-D	

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Station	Record No.	Trans-mitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Blossom Pt.	BP-11	H	49	2333	2333:48	2338:08	B-A	NR. See C-6-1, D-17, 1022, no time signal.
Nigeria	4017	I	49	2353	2354:49	2357:10	A	

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Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Woomera	I-11-1	L	49	0035	0035:10	0043:23	C	
Temple City	5014	L	50	0122			F	
JPL	8036	L	50	0116	0123:26	0129:14	C	
EQV	2021	L	50	0124	0124:51	0129:48	C	
JPL	8033	H	50	0120	0126:42	0133:22	A	Microlock.
Ft. Stewart	C-6-2	H	50	0134	0134:10	0136:52	B	Time base interpolated.
Havana	D-18	H	50	0135	0135:08	0135:58	C	RSL
PAFB	1023	L	50	0132	0135:18	0138:00	D	
Antigua	O-9-1	H	50	0140			F	
JPL	8034	H	51	0320	0324:54	0330:54	B	Microlock.
EQV	2022	L	51	0327	0327:47	0330:59	A	
JPL	8037	L	51	0320	0328:43	0330:37	D	
Temple City	5015	L	51	0326	0329:18	0330:16	C	No time signal. (Times obtained by comparison with 2022.)
Havana	D-19	H	51	0336	0336:46	0339:18	C	
Ft. Stewart	C-6-3	H	51	0337	0337:42	0338:11	C	Time base interpolated and extrapolated.
PAFB	1024	L	51	0334	0337:56	0338:46	E	
Antigua	O-9-2	H	51	0340	0343:44	0343:48	D	
Singapore	3015	L	51	0437			F	
Tokyo	T-4-A	H	52	0500			F	
JPL	8035	H	52	0527	0527:30	0533:23	B	Microlock.
JPL	8038	L	52	0530	0530:10	0531:47	D	
Quito	F-16	H	52	0540	0541:39	0542:53	B	RSL
Singapore	3016	L	52	0639	0650:52	0652:49	E	Nearly unreadable.
Tokyo	T-4-B	H	53	0700	0704:49	0710:13	B	
JPL	8040I	L	53	0715			F	
Antofagasta	H-5-2	H	53	0745	0748:04	0748:35	C	
Antofagasta	H-5-3	H	53	0810			F	Unidentified signal.
Tokyo	T-4-C	H	54	0900	0908:22	0912:22	B	
Santiago	J-17	H	54	0948	0950:18	0953:29	A	
Antofagasta	H-6-1	H	54	1014			F	Unidentified signal.
Tokyo	T-5-A	H	55	1100	1110:11	1113:12	C	
Antofagasta	H-6-2	H	55	1154			F	
Santiago	J-18	H	55	1155	1155:26	1200:06	B	REE
Nigeria	4018	L	55	1220	1228:16	1237:15	C	Counter saturated.
Tokyo	T-5-B	H	56	1300	1312:39	1313:49	C	

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Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Antofagasta	H-6-3	H	56	1350			F	
Santiago	J-19	H	56	1352	1357:50	1405:40	C	Counter saturated.
Nigeria	4019	L	57	1425	1433:39	1438:46	D	Counter saturated.
Santiago	J-20	H	57	1605			F	
Quito	F-17	H	57	1605			F	
Lima	G-5-1	H	57	1608	1608:13	1609:50	C	Time base interpolated.
Nigeria	4020	L	58	1640			F	
Singapore	3017	L	58	1712			F	
PAFB	1025	L	58	1811			F	
Lima	G-6-1	H	59	1815			F	
Quito	F-18	H	59	1810	1817:50	1819:34	B	
Ft. Stewart	C-7-1	H	59	1819			F	
Antigua	[illegible]	H	59	1826	1827:12	1829:54	C	
Singapore	3018	L	59	1910			F	
Woomera	I-11-2	L	59	1922	1922:22	1928:12	C	RSL
Quito	F-19	H	60	2015			F	
PAFB	1026	L	60	2017			F	
Havana	D-20	H	60	2021	2021:05	2027:53	C	
Ft. Stewart	E-7-2	H	60	2022	2022:30	2027:50	B-C	NR. See D-20.
EQV	2023	L	60	2025			F	
Woomera	I-12-1	L	60	2125	2126:55	2132:48	B	RSL
JPL	8-4011	L	61	2215	2217:17	2217:34	E	Data questionable.
EQV	2024	L	61	2225			F	
Havana	D-21	H	61	2226	2226:55	2230:43	C	ENR. See C-7-3.
PAFB	1027	L	61	2221	2227:19	2230:47	C	
Ft. Stewart	C-7-3	H	61	2227	2228:01	2231:35	A	
Blossom Pt.	BP-12	H	61	2229	2230:36	2232:11	C	NR. See C-7-3, D-21, 1027.
Nigeria	4021	L	61	2250	2250:37	2252:07	E	
Woomera	I-12-2	L	61	2328	2328:46	2334:02	C	RSL

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Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2025	L	62	0019	0019:31	0026:26	C	Rate tumble modulated at beinnning.
JPL	8040III	L	62	0015	0020:06	0023:45	E	
Temple City	5016	L	62	0020			F	
Ft. Stewart	C-7-4	H	62	0029	0029:41	0033:36	A	Time base interpolated and extrapolated.
Havana	D-22	H	62	0029	0030:06	0032:18	C	RSL. ENR. See C-7-4.
PAFB	1028	L	62	0026	0030:39	0033:11	C-D	
Nigeria	4022	L	62	0051			F	
JPL	8041	H	63	0220	0220:55	0227:44	C	
EQV	2026	L	63	0222	0222:32	0226:28	B	
Ft. Stewart	C-8-1	H	63	0231	0231:49	0234:09	A	Time base interpolated.
Havana	D-23	H	63	0232	0232:05	0234:02	B	ENR. See C-8-1.
PAFB	1029	L	63	0229	0232:19	0234:18	B	
Antigua	O-11	H	63	0237	0237:33	0239:25	A	RSL
Singapore	3019	L	63	0335			F	
JPL	8042I	H	64	0420	0422:59	0428:06	A	
EQV	2027	L	64	0424	0424:28	0426:30	E	Data questionable.
Temple City	5017	L	64	0430			B	RSL. No time signal. No comparison possible.
Havana	D-24	H	64	0435			F	RSL
Singapore	3020	L	65	0535	0544:36	0548:36	D	Counter saturated.
Tokyo	T-5-C	H	65	0600	0600:39	0603:51	B	
JPL	8042II	H	65	0624	0624:52	0628:51	D	
Lima	G-7-1	H	65	0630	0638:37	0641:07	A	Time base interpolated.
Quito	F-2[illegible]	H	65	0630	0639:2[illegible]	0640:02	C	
Antofagasta	H-7-1	H	65	0640	0643:50	0644:50	D	
Tokyo	T-5-D	H	65	0800	0802:29	0807:16	A	
Lima	G-7-2	H	66	0840			F	
Antofagasta	H-7-2	H	66	0843			F	
Santiago	[illegible]-21	H	66	0844	0844:56	0849:48	B	
Tokyo	T-6-A	H	67	1000	1005:20	1008:30	B	
Antofagasta	H-7-3	H	67	1029			F	Unidentified signal.
Santiago	[illegible]-22	H	67	1046	1047:32	1049:48	B	Nearly unreadable.
Antofagasta	H-8-1	H	67	1048			E	RSL
Nigeria	4023	L	67	1115			F	
Tokyo	T-6-B	H	68	1200	1205:41	1209:12	B	
Antofagasta	H-8-2	H	68	1248			F	RSL

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Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Lima	G-8	H	68	1250			F	
Santiago	[illegible]-23	H	68	1249	1252:59	1301:05	C	
Nigeria	4024	L	69	1320	1325:27	1334:55	E	Counter saturated.
Quito	F-21	H	69	1450			F	
Lima	G-9	H	69	1457	1458:50	1500:50	C	Time base interpolated. Counter saturated.
Antofagasta	H-8-3	H	69	1500			F	
Nigeria	4025	L	70	1525			F	
Singapore	3021	L	70	1603	1606:55	1607:10	E	Data questionable.
Quito	F-22	H	70	1650			F	
PAFB	1030	L	70	1708			F	
Antigua	D-12	H	71	1717	1723:02	1724:30	C	Time base extrapolated.
Singapore	3022	L	71	1803	1805:17	1809:36	E	Data questionable.
Woomera	I-13-1	L	71	1817	1817:05	1822:03	B	
PAFB	1031	L	72	1907			F	
Antigua	D-13	H	72	1916			B	No time signal.
Ft. Stewart	C-8-2	H	72	1916	1916:55	1922:18	B	
Havana	D-25	H	72	1914	1917:22	1921:03	B	RSL.
Quito	F-23	H	72	1910	1918:13	1919:00	D	
Woomera	I-13-2	L	72	2018	2018:17	2026:17	A	
Havana	D-26	H	73	2119	2120:09	2125:34	B	ENR. See C-8-3.
EQV	2028	L	73	2120			F	
Ft. Stewart	C-8-3	H	73	2123	212[illegible]:16	2126:18	A	Time base interpolated and extrapolated.
PAFB	1032	L	73	2114	2121:47	2124:[illegible]	C	
Blossom Pt.	BP 131	H	73	2123			B	NR. RSL. Time base unreliable. See [illegible]-1.
Nigeria	4026	L	73	2140			F	
Woomera	I-14-1	L	73	2221	2221:19	2229:55	B	Time base extrapolated.
JPL	8043	H	74	2314	2314:14	2317:30	D	
EQV	2029	L	74	2317	2317:17	2318:04	E	Data questionable. Nearly unreadable.
Ft. Stewart	C-9-1	H	74	2323	2323:37	2328:34	A	Time base interpolated and extrapolated.
Havana	D-27	H	74	2324	2324:17	2327:20	C	NR. See C-9-1, 1033, BP 131
PAFB	1033	L	74	2320	2325:09	2327:52	C-D	
Blossom Pt.	BP 131	H	74	2325	2325:38	2329:58	B	BNR. See C-9-1.
Nigeria	4027	L	74	2345	2347:52	2349:20	E	

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Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Woomera	I-14-2	L	74	0028	0028:58	0033:02	C	RSL
EQV	2030	L	75	0110	0115:33	0121:17	B	
JPL	8044	H	75	0115	0117:23	0123:34	B	
Havana	D-28	H	75	0125			F	
Ft. Stewart	C-9-2	H	75	0125	0125:40	0130:20	A	Time base interpolated.
PAFB	1034	L	75	0127	0127:25	0129:32	B	
Blossom Pt.	BP 14I	H	75	0129			F	
Antigua	D-14	H	75	0131	0132:50	0134:40	A	
Singapore	3023	L	75	0227			F	
EQV	2031	L	76	0319	0319:34	0322:43	B	
PAFB	1035	L	76	0326			F	
Havana	D-29	H	76	0328	0328:37	0330:38	C	
Antigua	D-15	H	76	0335			E	
Singapore	3024	L	76	0428			F	
Temple City	5018	L	77	0520	0521:23	0523:08	D	Time base unreliable.
EQV	2032	L	77	0520			F	
Quito	F-24	H	77	0530	0533:28	0535:18	B	RSL
Lima	G-10	H	77	0534	0534:45	0536:22	C	RSL. Time base interpolated. BNR. See F-24.
Singapore	3025	L	77	0628			F	
Tokyo	T-6-C	H	78	0658	0658:05	0700:13	B	
Lima	G-11	H	78	0735			D	No time signal.
Santiago	J-24	H	78	0738	0742:17	0743:23	A	
Antofagasta	H-9-1	H	78	0735	0742:30	0742:51	C	
Antofagasta	H-9-2	H	79	0939			F	
Santiago	J-25	H	79	0939	0941:11	0941:53	D	
Tokyo	T-6-D	H	80	1100	1102:12	1104:00	B	
Antofagasta	H-10-1	H	80	1144			F	
Santiago	J-26	H	80	1141	1151:00	1153:12	C	Counter saturated.
Nigeria	4028	L	81	1217	1222:30	1225:37	D	Counter saturated.
Antofagasta	H-10-2	H	81	1315			F	Test tape calibration check.
Lima	G-12	H	81	1348			D	No time signal.
Santiago	J-28	H	81	1345	1349:00	1355:00	C	Counter saturated.
Nigeria	4029	L	82	1420			F	
Lima	G-13	H	82	1550	1554:13	1556:21	C	Counter saturated.
Ft. Stewart	C-10-1	H	83	1620			F	

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Station	Record No.	Trans-mitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4030	L	83	1630			F	
Singapore	3026	L	83	1658	1701:29	1703:10	C	
PAFB	1036	L	84	1803			F	
Quito	F 25	H	84	1805	1809:38	1811:05	C	
Ft. Stewart	C-10-2	H	84	1811	1811:31	1814:03	B	Time base interpolated and extrapolated.
Antigua	D-16	H	84	1814	1814:55	1822:13	B	
Woomera	I-15-1	L	84	1913	1913:18	1919:23	B	
PAFB	1037	L	85	2005			F	
Havana	D-30	H	85	2012	2012:38	2014:42	C	REE. NR. See C-10-3.
Ft. Stewart	C-10-3	H	85	2012	2012:53	2020:24	A	Time base interpolated and extrapolated.
Blossom Pt.	BP 14II	H	85	2017	2018:30	2021:25	A	BNR. See C-10-3.
Antigua	D-17	H	85	2015	2023:34	2025:14	C	
Nigeria	4031	L	85	2040			F	
Woomera	I-15-2	L	85	2116	2116:03	2124:01	B	
PAFB	1038	L	86	2212			F	
EQV	2033	L	86	2215			F	
Ft. Stewart	C-11-1	H	86	2216	2216:55	2224:30	B	End NR. See D-31, BP-14-III.
Havana	D-31	H	86	2217	2218:02	2222:02	C	Low level recording. End NR. See BP-14-III.
Blossom Pt.	BP14III	H	86	2220	2220:09	2224:30	A	See C-11-1, D-31.
Nigeria	4032	L	86	2240	2241:42	2244:07	A	
Woomera	I-16-1	L	86	2320	2320:41	2330:53	B	

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Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2034	L	87	0011	0011:31	0015:04	C	
JPL	8063	H	87	0008	0012:[illegible]	0015:39	B	
Ft. Stewart	C-11-2	H	87	0019	0019:41	0025:24	A	Time base interpolated.
PAFB	1039	L	87	0025			F	
Woomera	I-16-2	L	87	0126			F	
EQV	2035	L	88	0210	0214:01	0217:35	C	
JPL	8064	H	88	0214	0214:34	0216:15	D	
Temple City	5019	L	88	0212	0215:25	0217:16	D	NR. See EQV 2035, JPL 8064.
PAFB	1040	L	88	0218			F	
Ft. Stewart	C-12-1	H	88	0222	0222:44	0225:55	B	End NR. See D-32.
Havana	D-32	H	88	0223	0223:38	0225:53	B	Low level recording.
Antigua	[illegible]-18	H	88	0228	0228:49	0231:17	B	
Singapore	3027	L	88	0327			F	
EQV	2036	L	89	0415	0415:54	0416:31	D	(time base obtained by
Temple City	5[illegible]	L	89	0412	0416:[illegible]	0419:09	C	No time signal (comparison with 2036.
Quito	F-26	H	89	0425	0428:41	0429:11	B	
Singapore	3028	L	89	0521			F	
Quito	F-27	H	90	0630			F	
Lima	G-14	H	90	063[illegible]	0631:21	0634:41	A	
Antofagasta	H-10-3	H	90	0633			F	
Tokyo	T-7-A	H	91	0753	0753:[illegible]	0758:24	C	
Singapore	3029	L	91	0831			F	
Lima	G-15	H	91	083[illegible]	0835:27	0835:4[illegible]	C	RSL. REE. Time base interpolated.
Santiago	[illegible]29	H	91	083[illegible]	0836:26	084[illegible]:54	A	
Antofagasta	H-11-1	H	91	0837	083[illegible]	0838:[illegible]	E	Recording level low. NR. See [illegible]29.
Tokyo	T-7-B	H	92	09[illegible]	09[illegible]:39	0959:[illegible]	B	
Santiago	[illegible]30	H	92	1[illegible]	1037:35	104[illegible]:[illegible]6	A	
Antofagasta	H-11-2	H	92	1038			F	Recording level low.
Nigeria	4-33	L	92	11[illegible]9			F	
Tokyo	T-7-C	H	93	1207	1207:[illegible]	1211:[illegible]	D	
Antofagasta	H-11-3	H	93	124[illegible]			F	Recording level low.
Santiago	[illegible]31	H	93	124[illegible]	1249:2[illegible]	125[illegible]	D	Counter saturated.
Nigeria	4-34	L	94	1311			F	
Quito	F-28	H	94	1345			F	
Santiago	[illegible]32	H	94	145[illegible]			F-F	

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Station	Record No.	Trans-mitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Antigua	[illegible]-19	H	94	15[illegible]2			F	
Nigeria	4035	L	95	1518			F	
Singapore	303[illegible]	L	95	1554	1[illegible]55:51	1558:40	D	
PAFB	1041	L	96	17[illegible]			F	Recording poor.
Antigua	[illegible]-2[illegible]	H	96	17[illegible]5	17[illegible]5:46	1714:14	A	
Singapore	303[illegible]	L	96	1758			F	
Woomera	I-17-1	L	96	18[illegible]9	18[illegible]9:[illegible]3	1813:08	B	RSL
PAFB	1042	L	97	19[illegible]3			F	
Havana	D-33	H	97	1903	19[illegible]7:52	1912:30	E	Low level recording.
Ft. Stewart	C-12-2	H	97	1911			F	
Woomera	I-17-2	L	97	20[illegible]	20[illegible]:11	2016:55	A	
Temple City	5021	L	98	21[illegible]			F	
PAFB	1043	L	98	2105			F	
EQV	2037	L	98	2105			F	
Ft. Stewart	C-12-3	H	98	2111	2111:[illegible]9	2118:1[illegible]	A	Time base interpolated. ENR. See BP-1[illegible], D-34.
Havana	D-34	H	98	2111	2111:16	2116:26	C	Low level recording. NR. See C-12-3.
Blossom Pt.	BP-15I	H	98	2114	2114:42	2118:39	A	BNR. See C-12-3.
Nigeria	4036	L	98	213[illegible]	2137:19	2138:26	E	
Woomera	I-18-1	L	98	221[illegible]	2214:[illegible]0	2219:11	B	
Temple City	5022	L	99	22[illegible]9			F	
IPL	8[illegible]6[illegible]	H	99	23[illegible]			F	
EQV	2[illegible]38	L	99	23[illegible]			F	
Ft. Stewart	C-13-1	H	99	23[illegible]	2319:[illegible]7	2319:55	A	Time base interpolated.
Havana	D-35	H	99	23[illegible]			F	
PAFB	1044	L	99	23[illegible]	2319:[illegible]4	2319:38	C	
Blossom Pt.	BP-15II	H	99	23[illegible]	2317:3[illegible]	2321:28	B	

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Woomera	[illegible]-13-2	L	99	0021	0021:31	0024:07	D	
JPL	8067	H	10[illegible]	0056			F	
Temple City	5023	L	100	0105			F	
EQV	2039	L	100	0103	0107:44	0112:12	B	
Ft. Stewart	C-13-2	H	100	0116	0116:5[illegible]	0121:15	A	Time base interpolated and extrapolated.
Havana	D-36	H	100	0118	0118:[illegible]	0120:21	B	Low level recording. NR. See C-13-2.
PAFB	1045	L	100	0118	0118:36	0120:44	B	
Antigua	[illegible]-21	H	100	0123	0123:17	0127:09	B	
JPL	8067	H	101	0306			F	
EQV	2040	L	101	0305	0311:[illegible]	0312:47	C	(times obtained by
Temple City	5024	L	101	031[illegible]	0312:13	0313:19	C	No time signal (comparison with 2040.
Quito	F-29	H	101	0320			F	
Havana	D-37	H	101	0320	0321:18	0321:34	C	RSL
Singapore	3032	L	102	0428			F	
EQV	2041	L	102	0510			F	
Quito	F-30	H	102	0525	0526:04	0527:[illegible]7	B	(time base
Lima	G-16	H	102	0526	0526:27	0529:38	C	RSL. Beginning NR. See F-3[illegible] (interpolated.
Singapore	3033	L	103	0631			F	
Tokyo	T-[illegible]-D	H	103	0647	0647:01	0648:48	D	Time base extrapolated.
Antofagasta	H-12-1	H	103	0730	0730:3[illegible]	0734:3[illegible]	D	Recording level low. NR. See T-33.
Santiago	[illegible]-33	H	103	0730	0730:56	0734:26	A-B	
Tokyo	T-[illegible]-A	H	104	0851	0851:11	0854:27	B	
Antofagasta	H-12-2	H	104	0920			F	Low level recording.
Santiago	[illegible]-34	H	104	0926	0933:[illegible]1	0938:[illegible]	B	
Nigeria	4[illegible]7	L	104	1[illegible]			F	
Tokyo	T-[illegible]-B	H	105	1[illegible]2	1052:[illegible]7	1[illegible]:16	B	
Antofagasta	H-12-3	H	105	113[illegible]			F	
Santiago	[illegible]	H	105	1134	1135:12	1135:51	A	
Nigeria	4[illegible]5	L	106	12[illegible]			F	
Lima	G-[illegible]	H	106	133[illegible]			F	
Antofagasta	H-12-4	H	106	134[illegible]			F	
Quito	F-31	H	106	134[illegible]			F	
Santiago	[illegible]-36	H	106	1336	1340:[illegible]	1344:26	D	Counter saturated.
Nigeria	4[illegible]9	L	107	1411			F	
Singapore	3[illegible]4	L	107	1449			F	

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Quito	F-32	H	107	1545	1549:48	1552:12	D-C	Counter saturated.
PAFB	1046	L	107	1550			F	
Antigua	O-22	H	108	1600	1602:17	1605:28	B	
Singapore	3035	L	108	1652	1654:51	1655:12	E	Data questionable.
Woomera	I-19-1	L	108	1703	1703:57	1706:20	A	
PAFB	1047I	L	108	1750			F	
Havana	D-38	H	109	1757			F	
PAFB	1047II	L	109	1810			F	
Antigua	O-23	H	109	1802	1815:57	1823:01	B	Time code in error after 1821.
Woomera	I-19-2	L	109	1904	1904:56	1909:56	A	RSL
Temple City	5025	L	110	1951			F	
Ft. Stewart	C-14-1	H	110	1953			B	NR
Havana	D-39	H	110	2002			F	
PAFB	1048	L	110	2010			F	
Nigeria	4040	L	110	2030			F	
Woomera	I-20-1	L	110	2105	2106:54	2113:56	C	
Temple City	5026	L	111	2154			F	
EQV	2043	L	111	2155			F	
Havana	D-40	H	111	2208			F	(time base obtained by
Ft. Stewart	C-14-2	H	111	2209	2209:54	2215:05	A	No time signal comparison with BP-16. Bad NR.
PAFB	1049	L	111	2210			F	
Blossom Pt.	BP-16	H	111	2207	2212:37	2215:49	B	RSL
Nigeria	4041	L	111	2230	2233:37	2235:37	D	
Woomera	I-20-2	L	111	2310	2311:04	2313:51	B	

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EQV	2044	L	112	0000	0000:52	0006:21	A	
Temple City	5027	L	112	0001	0001:00	0005:56	C	NR. See EQV 2044.
JPL	8049	H	112	0005			F	
Havana	D-42	H	112	0010	0011:59	0014:51	C	
PAFB	1050	L	112	0004	0012:50	0016:03	B	
JPL	8050	H		0204	0204:28	0210:56	C	
EQV	2045	L	113	0204	0204:38	0208:36	B	(times obtained by
Temple City	5028	L	113	0205	0205:40	0208:42	A	No time signal (comparison with 2045.
Havana	D-43	H	113	0214	0214:58	0217:03	A	
Antigua	O-24	H	113	0220	0221:23	0221:49	C	Time signal questionable. Code in error.
Singapore	3036	L	113	0312			F	
EQV	2046	L	114	0406	0406:12	0407:44	E	Data questionable.
JPL	8051	H	114	0405	0407:12	0411:40	E	Data questionable.
Quito	F-33	H	114	0415	0420:00	0421:59	A	
Singapore	3037	L	114	0510			F	(No time signal.
Lima	G-18	H	114	0517			C	Recording level varies. (Counter saturation.
Tokyo	T-8-C	H	115	0530	0541:31	0543:04	B	Time base interpolated. (with other
Tokyo	T-8-D	H	116	0730			B	No time signal. Comparison (records impossible.
Santiago	J-37	H	116	0825	0827:13	0831:35	A	RSL
Nigeria	4042	L	116	0900			F	
Tokyo	T-9-A	H		0930	0946:28	0949:31	B	
Santiago	J-38	H	117	1028	1029:02	1035:42	A	
Antofagasta	H-13-1	H	117	1033			F	
Nigeria	4043	L	117	1054			F	
Tokyo	T-9-B	H	118	1130	1149:02	1151:18	C	
Antofagasta	H-13-2	H	118	1232			F	
Santiago	J-39-1	H	118	1232	1232:19	1241:54	B	Counter saturated.
Nigeria	4044	L	119	1300			F	
Singapore	3038	L	119	1346			F	
Quito	F-34	H	119	1440			F	
Nigeria	4045	L	120	1508			F	
Singapore	3039	L	120	1545	1547:19	1549:37	B	
Quito	F-35	H	121	1645	1651:06	1652:39	C	Time base interpolated.
PAFB	1051	L	121	1652			F	
Antigua	O-25	H	121	1653	1655:06	1705:34	A	

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Singapore	3040	L	121	1751			F	
Woomera	I-21-1	L	121	1758	1758:49	1803:28	A	
PAFB	1052	L	122	1850			F	
Blossom Pt.	BP-171	H	122	1956			F	
Woomera	I-21-2	L	122	2000	2000:45	2007:12	A	
JPL	8052	H	123	2050			F	
JPL	8045	L	123	2050			F	
PAFB	1053	L	123	2050			F	
EQV	2047	L	123	2055			F	
Blossom Pt.	BP-17II	H	123	2103	2104:54	2109:38	A	RSL
Havana	D-44	H	123	2101	2105:20	2110:41	C	Not all reduced. See BP-17II.
Nigeria	4046	L	123	2125	2127:16	2130:29	C	
Woomera	I-22-1	L	123	2203	2203:05	2211:59	C	
JPL	8053	H	124	2236	2250:13	2256:57	C	
JPL	8046	L	124	2236			F	
EQV	2048	L	124	2250	2253:38	2300:51	C	
PAFB	1054	L	124	2256	2306:12	2310:33	C	
Blossom Pt.	BP-18	H	124	2303	2307:33	2312:21	A	Time signal erratic. RSL

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Station	Record No.	Trans-mitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Woomera	I-22-2	L	124	0010	0010:29	0012:16	C	
JPL	8047	L	125	0040			F	
JPL	8058	H	125	0040	0058:08	0102:55	B	
EQV	2049	L	125	0058	0058:21	0102:52	B	
Havana	D-45	H	125	0108	0108:46	0111:43	B	RSL.
PAFB	1055	L	125	0105	0109:10	0111:44	D	
Antigua	O-26	H	125	0112	0113:51	0117:28	A	
Singapore	3041	L	125	0206			F	
JPL	8059	H	126	0255	0258:33	0305:58	A	
EQV	2050	L	126	0300	0301:41	0303:08	E	(times obtained by
JPL	8048	L	126	0258	0301:49	0304:16	D	No time signal (comparison with 2050.
Quito	F-36	H	126	0310	0312:18	0314:31	C	
Singapore	3042	L	126	0405			F	
Tokyo	T-9-C	H	127	0430			F	
Quito	F-37	H	127	0515	0518:23	0519:55	C	RSL
Antofagasta	H-13-3	H	127	0520			F	Recording level low.
Tokyo	T-9-D	H	128	0630			F	NR
Antofagasta	H-13-4	H	128	0720	0721:50	0722:40	D	Recording level low.
Tokyo	T-9-E	H	129	0830	0841:43	0843:59	B	
Antofagasta	H-14-1	H	129	0920			F	NR. See J-43-II. Recording level low.
Santiago	J-43-II	H	129	0923	0923:29	0928:00	A	
Nigeria	4047	L	129	0950	0954:12	0959:42	E	Counter saturated.
Santiago	J-42-I	H	130	1125	1125:53	1133:32	A	
Antofagasta	H-14-2	H	130	1124	1126:20	1127:18	E	NR. See J-42-I. Recording level low.
Nigeria	4048	L	131	1153	1201:21	1207:22	E	Counter saturated.
Santiago	J-42-III	H	131	1330	1331:2	1335:00	C	RSL. Counter saturated.
Antofagasta	H-14-3	H	131	1329	1333:13	1334:20	E	NR. See J-42-II. Recording level low.
Lima	G-19	H	131	1345			C	Recording level low. No time signal. (Counter
Nigeria	4049	L	132	1400			F	saturation.)
Singapore	3043	L	132	1440			F	
Quito	F-38	H	132	1530	1536:06	1545:33	D	
Antigua	O-27	H	132	1538			F	
Nigeria	4050	L	133	1610			F	
Singapore	3044	L	133	1641			F	
Woomera	I-23-1	L	133	1654	1654:16	1658:24	A	

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PAFB	1056	L	134	1745			F	
Havana	D-46	H	134	1745	1745:53	1755:16	B	
Antigua	O-28	H	134	1756			F	
Woomera	I-23-2	L	134	1855	1855:24	1900:03	C	
Havana	D-47	H	135	1952	1953:09	2000:22	C	
PAFB	1057	L	135	1946	1955:04	2000:40	C	
Nigeria	4051	L	135	2018	2021:59	2023:24	E	
Woomera	I-24-1	L	135	2055	2056:59	2104:05	C	
EQV	2051	L	136	2140			F	
Havana	D-48	H	136	2158	2158:34	2200:46	E	
PAFB	1058	L	136	2150	2200:13	2205:07	E	Rate very high. Nearly unreadable.
JPL	8060	H	136	2200			F	
Blossom Pt.	BP-19	H	136	2200	2201:16	2206:04	A	
Woomera	I-24-2	L	136	2301	2301:48	2310:03	C	
JPL	8054	L	137	2345			F	
JPL	8061	H	137	2351	2351:24	2355:03	D	
EQV	2052	L	137	2335	2351:32	2357:42	B	

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Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Havana	D-49	H	137	0002	0002:05	0005:33	C	
PAFB	1059	L	137	0000	0002:35	0005:58	C	H.P trans. out, time base interpolated.
Antigua	O-29	H	137	0003	0010:14	0011:07	C	
Singapore	3045	L	138	0116			F	
EQV	2053	L	138	0154	0154:26	0200:28	D	(time base
JPL	8062	L	138	0153	0154:53	0201:16	A	Rate tumble modulated to 0156 (extrapolated)
JPL	8055	L	138	0139	0155:13	0158:48	E	Data questionable.
PAFB	1060	L	138	0201			F	
Havana	D-50	H	138	0204	0205:27	0207:09	D	
Antigua	O-30	H	138	0210			F	
Singapore	3046	L	138	0306			F	
Temple City	5031	L	139	0352	0358:24	0401:14	D	Time base unreliable.
EQV	2054	L	139	0400			F	
Lima	G-20	H	139	0409			F	
Nigeria	4053	L	141	0839			F	
Antofagasta	H-15-1	H	142	1018			F	Recording level low.
Nigeria	4054	L	142	1045			F	
Antofagasta	H-15-2	H	143	1220			F	Recording level low.
Nigeria	4055	L	144	1247			F	
Antigua	O-31	H	145	1439			F	
Nigeria	4056	L	145	1500			F	
Singapore	3047	L	145	1537	1537:28	1539:21	E	
PAFB	1061	L	145	1631			F	
PAFB	1062	L	147	1837			F	REE.
Nigeria	4057	L	147	1916			F	
PAFB	1063	L	148	2035			F	
San Diego	B-28	H	148	2043			F	
EQV	2055	L	148	2050			F	
Nigeria	4058	L	148	2116			F	Interference.
JPL	8056	L	149	2233			F	
Temple City	5032	L	149	2233			F	
EQV	2056	L	149	2240	2243:32	2249:57	C	
San Diego	B-29	H	149	2244			F	
PAFB	1064	L	149	2247			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 13 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
San Diego	B-30	H	150	0047			F	
EQV	2057	L	150	0047	0047:12	0053:01	B	Data questionable to 0048:37.
PAFB	1065	L	150	0051			F	
Singapore	3048	L	150	0153			F	
EQV	2058	L	151	0251	0251:35	0252:22	E	
JPL	8057	L	151	0237	0252:11	0254:14	E	
Singapore	3049	L	151	0353			F	
Antofagasta	H-16-1	H	152	0510	0510:54	0512:12	B	
Antofagasta	H-16-2	H	153	0705			F	
Nigeria	4059	L	153	0738			F	
Antofagasta	H-16-3	H	154	0914			F	Recording level low.
Antofagasta	H-17-1	H	154	0917	0918:23	0919:00	D	Data questionable.
Nigeria	4060	L	154	0939	0942:05	0949:23	D	Counter saturated.
Antofagasta	H-16-4	H	155	1115			F	Recording level low.
Nigeria	4061	L	156	1145	1148:50	1152:32	D	Counter saturated.
Nigeria	4062	L	157	1359			F	
Singapore	3050	L	157	1428	1432:12	1434:44	B	
Woomera	I-25-1	L	158	1644	1644:31	1646:18	A	
PAFB	1066	L	159	1732			F	Rapid fluctuation in signal.
Woomera	I-25-2	L	159	1845	1845:27	1848:40	B	
Temple City	5033	L	160	1930			F	
PAFB	1067	L	160	1940			F	
Woomera	I-25-3	L	160	2046	2047:23	2052:24	B	
EQV	2059	L	161	2135	2136:58	2142:46	C	
PAFB	1068	L	161	2138			F	
EQV	2060	L	162	2330	2340:18	2346:15	B	
PAFB	1069	L	162	2345			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 14 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3051	L	162	0047			F	
Temple City	5034	L	163	0144	0146:03	0149:40	E	
Singapore	3052	L	163	0247	0255:24	0259:35	E	Time base unreliable. Counter saturated.
Temple City	5035	L	164	0341	0348:19	0349:02	E	Time base unreliable.
EQV	2061	L	164	0350			F	
Nigeria	4063	L	166	0830			F	
Nigeria	4064	L	167	1035			F	
Nigeria	4065	L	169	1241			F	
Singapore	3053	L	169	1323			F	
Nigeria	4066	L	170	1449			F	
PAFB	1070	L	171	1630			F	
PAFB	1071	L	172	1835			F	Recorder trouble.
Nigeria	4067	L	172	1901			F	
EQV	2062	L	173	2030			F	
PAFB	1072	L	173	2036			F	
Nigeria	4068	L	173	2105	2109:04	2110:30	E	
EQV	2063	L	174	2225	2234:53	2238:21	C	
PAFB	1073	L	174	2236	2245:38	2250:03	A	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 15 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2064	L	175	0036	0036:37	0041:58	C	
Singapore	3054	L	175	0140			F	
EQV	2065	L	176	0250			F	
Singapore	3055	L	176	0341			F	
Nigeria	4069	L	178	0726			F	
Nigeria	4070	L	179	0926			F	
Nigeria	4071	L	181	1140			F	
Nigeria	4072	L	182	1340			F	
Nigeria	4073	L	183	1550			F	
Woomera	I-26-1	L	183	1634	1634:13	1634:20	D	
PAFB	1074	L	184	1720			F	
Nigeria	4074	L	184	1755			F	
Woomera	I-26-2	L	184	1835	1835:10	1838:02	B	
PAFB	1075	L	185	1928			F	Rapid fluctuation in signal.
Woomera	I-26-3	L	185	2036	2037:11	2041:43	C	
Temple City	5036	L	186	2122			F	
EQV	2066	L	186	2125	2126:21	2131:39	D	Data questionable.
PAFB	1076	L	186	2130			F	
Temple City	5037	L	187	2328			F	
EQV	2067	L	187	2330	2330:39	2334:51	C	Rate tumble modulated.

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 16 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3056	L	187	0035			F	
EQV	2068	L	188	0125	0132:24	0135:15	E	
Singapore	3057	L	188	0234			F	
EQV	2069	L	189	0350			F	
Nigeria	4075	L	194	1235			F	
Nigeria	4076	L	195	1440			F	
Woomera	I-27-1	L	195	1528			F	
PAFB	1077	L	196	1611			F	
Woomera	I-27-2	L	196	1729	1729:27	1731:43	C	
PAFB	1078	L	197	1821			F	
Nigeria	4077	L	197	1849	1855:43	1857:52	E	
Woomera	I-27-3	L	197	1930	1930:43	1934:24	C	
Temple City	5038	L	198	2012			F	
EQV	2070	L	198	2015	2016:11	2021:38	E	
PAFB	1079	L	198	2019			F	
Nigeria	4078	L	198	2050			F	
Woomera	I-27-4	L	198	2134			F	
EQV	2071	L	199	2220	2220:59	2228:18	D	
PAFB	1080	L	199	2224			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 17 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2072	L	200	0017			D	No voice.
Singapore	3058	L	200	0130	0135:02	0143:36	E	
EQV	2073	L	201	0230			F	
Singapore	3059	L	202	0340			F	
Nigeria	4079	L	203	0712			F	
Santiago	J-44	H	204	0832	0852:49	0856:00	B	
Nigeria	4080	L	204	0915			F	
Nigeria	4081	L	206	1120			F	
Nigeria	4082	L	207	1330			F	
Temple City	5039	L	207	1347			F	
Singapore	3060	L	207	1408			F	
Woomera	I-28-1	L	207	1423			F	
PAFB	1081	L	208	1505			F	Rapid fluctuations in signal.
Nigeria	4083	L	208	1536			F	
Temple City	5041	L	208	1553			F	
Woomera	I-28-2	L	208	1623	1624:45	1625:15	C	
PAFB	1082	L	209	1707			F	
Nigeria	4084	L	209	1742			F	
Woomera	I-28-3	L	209	1824	1824:33	1827:11	B	
EQV	2074	L	210	1910			F	
PAFB	1083	L	210	1912			F	
Nigeria	4085	L	210	1950	1951:08	1954:35	C	
Woomera	I-28-4	L	210	2026	2026:45	2027:06	D	
EQV	2075	L	211	2113	2113:53	2119:51	D	Rate tumble modulated.
PAFB	1084	L	211	2116			F	
EQV	2076	L	212	2315	2317:42	2323:19	C	Rate tumble modulated 19:27 - 19:50.

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 18 February 1958

Station	Record No.	Trans-mitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3061	L	212	0021			F	
EQV	2077	L	213	0120	0121:33	0124:32	E	
Singapore	3062	L	214	0232			F	
Nigeria	4086	L	216	0808			F	
Nigeria	4087	L	218	1010	1016:34	1023:45	E	Counter saturated.
Nigeria	4088	L	219	1219			F	Low level recording.
Temple City	5043	L	220	1241			F	
PAFB	1085	L	220	1357			F	
Nigeria	4089	L	220	1427			F	
Temple City	5046	L	220	1438			F	
Woomera	I-29-1	L	220	1518	1518:02	1518:13	D	
PAFB	1086	L	221	1557			F	
Nigeria	4090	L	221	1636			F	
Woomera	I-29-2	L	221	1718	1718:39	1720:45	B	
EQV	2078	L	222	1755			F	
PAFB	1087	L	222	1809			F	
Nigeria	4091	L	222	1837	1843:58	1848:21	B	
Woomera	I-29-3	L	222	1920	1921:09	1923:06	C	
EQV	2079	L	223	2000	2003:59	2010:12	E	Data questionable.
PAFB	1088	L	223	2011			F	
Nigeria	4092	L	223	2045			F	
EQV	2080	L	224	2210	2210:25	2216:59	C	Rate tumble modulated.

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 19 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2081	L	225	0022	0024:22	0028:20	E	
Singapore	3063	L	227	0320			F	
Nigeria	4093	L	228	0705			F	
Nigeria	4094	L	230	0903			F	
Nigeria	4095	L	231	1109			F	
Nigeria	4096	L	232	1317			F	
Singapore	3064	L	232	1356			F	
Woomera	I-30-1	L	232	1411	1411:45	1413:01	B	
Nigeria	4097	L	233	1528			F	
Woomera	I-30-2	L	233	1611	1612:46	1614:22	B	
Nigeria	4098	L	234	1730			F	
Woomera	I-30-3	L	234	1813	1813:41	1816:18	C	
Nigeria	4099	L	235	1933			F	
EQV	2082	L	235	1955			F	
Woomera	I-30-4	L	235	2015			F	
EQV	2083	L	236	2100	2102:32	2107:49	D	
EQV	2084	L	237	2307	2307:00	2311:50	E	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 20 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2085	L	238	0115			F	
Singapore	3065	L	238	0213			F	
Nigeria	4100	L	240	0555	0558:55	0601:16	E	Counter saturated.
Nigeria	4101	L	241	0755	0758:09	0807:59	D	Counter saturated.
Singapore	3066	L	243	1050			F	
Nigeria	4102	L	244	1210			F	
Singapore	3067	L	244	1247	1253:22	1256:45	E	
Nigeria	4103	L	245	1424			F	
Woomera	I-31-1	L	245	1506	1506:52	1507:04	C	
Nigeria	4104	L	246	1625			F	
Woomera	I-31-2	L	246	1706	1709:03	1709:26	C	
EQV	2086	L	246	1715			F	
Nigeria	4105	L	247	1825	1833:15	1835:31	C	Rate tumble modulated.
Woomera	I-31-3	L	247	1908	1909:42	1910:25	D	
EQV	2087	L	248	1950	1952:35	1955:22	E	Data questionable.
EQV	2088	L	249	2155	2158:03	2202:46	E	Data questionable.
Singapore	3068	L	249	2305			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 21 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2089	L	250	0000			F	
Singapore	3069	L	250	0105	0112:31	0115:33	E	Data questionable.
Nigeria	4106	L	253	0653			F	Recorder trouble.
Nigeria	4107	L	255	0850	0855:32	0902:17	E	Counter saturated.
Nigeria	4108	L	256	1106			F	
Singapore	3070	L	256	1139	1145:49	1150:39	D	
Nigeria	4109	L	257	1305			F	
Woomera	I-32-1	L	257	1359	1401:13	1401:59	B	
Nigeria	4110	L	258	1512			F	
Woomera	I-32-2	L	258	1600	1602:14	1602:56	B	
Nigeria	4111	L	259	1718	1726:43	1728:45	E	Data questionable.
Woomera	I-32-3	L	259	1800	1802:31	1804:45	C	
EQV	2090	L	260	1835			F	
Woomera	I-32-4	L	260	2000			F	
EQV	2091	L	261	2045	2050:31	2053:40	E	Rate tumble modulated.
EQV	2092	L	262	2250			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 22 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3071	L	262	0000			F	
EQV	2093	L	263	0105			F	
Singapore	3072	L	264	0201			F	
Nigeria	4112	L	265	0544			F	
Nigeria	4113	L	266	0743			F	
Nigeria	4114	L	268	0948			F	
Singapore	3073	L	268	1029	1040:12	1042:00	E	Data questionable.
Nigeria	4115	L	269	1157			F	
Nigeria	4116	L	270	1403			F	
Woomera	I-33-1	L	270	1455	1455:44	1456:13	C	
Nigeria	4117	L	271	1607			F	
Woomera	I-33-2	L	271	1656	1656:35	1657:58	B	
EQV	2094	L	272	1745			F	(Low level recording.
Nigeria	4118	L	272	1822	1822:01	1824:20	D	Counter saturated. (Interference.
Woomera	I-33-3	L	272	1858			F	
EQV	2095	L	273	1940			F	
EQV	2096	L	274	2146	2146:37	2150:20	E	Tape speed fluctuations. Data questionable.

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 23 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2097	L	275	0000			F	
Nigeria	4119	L	279	0638	0640:33	0646:04	B	Counter saturated.
Nigeria	4120	L	280	0840			F	
Nigeria	4121	L	281	1045			F	
Nigeria	4122	L	282	1245			F	
Woomera	I-33-4	L	282	1349	1349:26	1349:40	B	
Nigeria	4123	L	283	1511			F	
Woomera	I-33-5	L	283	1550	155[illegible]:25	1551:24	B	
Nigeria	4124	L	284	1705	1711:[illegible]1	1718:00	D	
Woomera	I-34-1	L	284	1751	1751:08	1752:25	B	
EQV	2098	L	285	1838			F	
Nigeria	4125	L	285	1912			F	
EQV	2099	L	286	2039	2039:03	2043:35	D	Data questionable.
EQV	2100	L	287	2250			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 24 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2101	L	288	0050			F	
Nigeria	4126	L	290	0530			F	
Nigeria	4127	L	292	0730	0736:20	0740:14	E	Counter saturated.
Singapore	3074	L	292	0812			F	
Nigeria	4128	L	293	0936			F	
Singapore	3075	L	293	1017	1028:02	1030:58	D	
Nigeria	4129	L	294	1144			F	
Singapore	3076	L	294	1224			F	
Woomera	I-34-2	L	294	1241	1243:13	1244:07	C	
Havana	D-1	H	295	1323	1323:38	1329:44	C	Time base extrapolated.
Antigua	O-32	H	295	1326	1329:28	1338:02	B	Time base erratic.
Nigeria	4130	L	295	1357			F	
Woomera	I-34-3	L	295	1443	1443:46	1444:19	C	
PAFB	1089	L	296	1523			F	H. P. trans. on.
Havana	D-2	H	296	1527	1527:23	1536:31	C	
Antigua	O-33	H	296	1533	1537:06	1542:46	C	
Nigeria	4131	L	296	1554	1604:08	1612:00	D	
Woomera	I-34-4	L	296	1643	1645:40	1646:16	B	
JPL	8068	L	297	1717			F	
EQV	2102	L	297	1725			F	
San Diego	B-31	H	297	1727	1728:26	1729:27	C	RSL
PAFB	1090	L	297	1730			F	H. P. trans. on.
Havana	D-3	H	297	1732	1733:01	1742:22	C	
Antigua	O-34	H	297	1742	1742:31	1750:31	B	
Nigeria	4132	L	297	1803	1808:26	1810:15	D	Counter saturated.
JPL	8069	L	298	1917			F	
San Diego	B-32	H	298	1925	1925:33	1935:08	C	RSL
EQV	2103	L	298	1929	1929:24	1931:57	E	Data questionable.
PAFB	1091	L	298	1937			F	
Havana	D-4	H	298	1932	1939:05	1948:32	C	
Antigua	O-35	H	298	1946	1947:04	1957:05	A	BNR. See D-4.
EQV	2104	L	299	2133	2133:12	2136:19	E	
Antigua	O-36	H	299	2156			F	
EQV	2105	L	300	2345			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 25 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U.T.)	Data Begins (U.T.)	Data Ends (U.T.)	Data Quality	Remarks
Santiago	J-45	H	301	0205	0205:02	0206:21	A	RSL
Santiago	J-46	H	302	0400	0405:37	0406:44	A	RSL
Antofagasta	H-17-2	H	304	0806	0809:09	0810:44	C	Data questionable.
Singapore	3077	L	305	0909			F	
Antofagasta	H-17-3	H	306	1020			F	Data questionable.
Nigeria	4133	L	306	1027			F	
Antigua	O-37	H	307	1216	1220:16	1224:44	C	
Nigeria	4134	L	307	1242			F	
Woomera	I-35-1	L	307	1337	1337:39	1338:17	C	
PAFB	1092	L	308	1421			F	
Havana	D-5	H	308	1423			F	
Antigua	O-38	H	308	1452			F	
Nigeria	4135	L	308	1453			F	
Woomera	I-35-2	L	308	1539	1539:20	1539:22	D	
Havana	D-6	H	309	1623			F	
PAFB	1093	L	309	1624			F	
Ft. Stewart	C-18-5	H	309	1625			F	
Antigua	O-39	H	309	1633			F	
Nigeria	4136	L	309	1652	1700:36	1702:51	D	Interference.
Ft. Stewart	C-19-1	H	309	1729			F	
Woomera	I-35-3	L	309	1739			F	
EQV	2106	L	310	1820			F	
Havana	D-7	H	310	1830			F	
PAFB	1094	L	310	1831			F	
Antigua	O-40	H	310	1839			F	
EQV	2107	L	311	2025	2025:11	2026:53	E	
Havana	D-8	H	311	2035			F	
Ft. Stewart	C-19-2	H	311	2038			F	
Antigua	O-41	H	311	2046	2047:02	2049:32	C	
Singapore	3078	L	311	2138			F	
EQV	2108	L	312	2230			F	
Singapore	3079	L	313	2336	2339:47	2342:50	E	Data questionable.

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 26 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2109	L	313	0040			F	
Santiago	J-47	H	314	0300			F	Amateur radio signals.
Santiago	J-48	H	315	0500	0500:16	0500:51	C	Time base extrapolated.
Nigeria	4137	L	315	0518	0521:47	0524:42	E	
Nigeria	4138	L	317	0722	0726:32	0729:40	D	Counter saturated.
Singapore	3080	L	317	0758			F	
Nigeria	4139	L	318	0928			F	
Singapore	3081	L	318	1005	1014:32	1020:08	E	
Antigua	O-42	H	319	1111	1111:44	1112:12	C	
Nigeria	4140	L	319	1133			F	
Havana	D-11	H	319	1221			F	
Woomera	I-36-1	L	319	1232	1232:02	1232:17	C	
Havana	D-9	H	320	1310			F	
PAFB	1095	L	320	1311			F	
Antigua	O-43	H	320	1317			F	
Nigeria	4141	L	320	1348			F	
Woomera	I-36-2	L	320	1432	1432:00	1433:04	B	
EQV	2110	L	321	1510			F	
Havana	D-10	H	321	1516			F	
Antigua	O-44	H	321	1522			F	
Nigeria	4142	L	321	1549	1549:56	1557:48	B	Counter saturated.
Woomera	I-36-3	L	322	1632	1632:56	1634:12	C	
EQV	2111	L	322	1708	1708:46	1713:15	E	Data questionable.
PAFB	1096	L	322	1720			F	L. P. receiver out.
Antigua	O-45	H	322	1727			F	
Nigeria	4143	L	322	1750			F	
EQV	2112	L	323	1915	1916:06	1918:31	D	Data questionable
PAFB	1097	L	323	1929			F	L. P. receiver out.
Antigua	O-46	H	323	1940			F	
EQV	2113	L	324	2125			F	
Singapore	3082	L	324	2231	2232:40	2235:05	D	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 27 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3083	L	326	0029			F	
Santiago	J-49	H	327	0251			F	
Santiago	J-50	H	327	0353	0353:37	0353:42	C	
Nigeria	4144	L	327	0412			F	
Antofagasta	H-17-4	H	328	0550			F	
Nigeria	4145	L	329	0612	0617:02	0620:11	D	Counter saturated.
Antofagasta	H-17-5	H	329	0755	0756:35	0757:21	C	RSL
Singapore	3084	L	330	0854	0905:17	0909:41	E	Data questionable.
Singapore	3085	L	331	1100			F	
Antigua	O-47	H	332	1208			F	
Nigeria	4146	L	332	1227			F	
PAFB	1098	L	333	1408			F	
Nigeria	4147	L	333	1434			F	
EQV	2114	L	334	1600	1602:45	1605:59	E	Data questionable.
PAFB	1099	L	334	1609			F	
Nigeria	4148	L	334	1638	1646:33	1653:07	D	Counter saturated.
EQV	2115	L	335	1804	1804:59	1809:45	E	Data questionable.
EQV	2116	L	336	2015			F	
Singapore	3086	L	336	2125	2125:43	2128:10	E	
EQV	2117	L	337	2210			F	
Singapore	3087	L	338	2324			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 28 February 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Antofagasta	H-18-1	H	338	0044			F	
Nigeria	4149	L	339	0306			F	
Nigeria	4150	L	340	0505	0508:25	0511:50	A	
Antofagasta	H-18-2	H	341	0649			E	
Nigeria	4151	L	342	0708			F	
Singapore	3088	L	342	0757			F	
Singapore	3089	L	343	0949	1001:07	1003:56	E	Data questionable.
Woomera	I-36-4	L	344	1218	1219:10	1220:06	B	
Nigeria	4152	L	345	1335			F	
Woomera	I-36-5	L	345	1419	1419:29	1420:46	B	
EQV	2118	L	346	1452			F	
Nigeria	4153	L	346	1531	1537:42	1546:40	C	Counter saturated.
Woomera	I-36-6	L	346	1621			F	
EQV	2119	L	347	1656	1656:02	1700:19	E	Data questionable.
Nigeria	4154	L	347	1736			F	
EQV	2120	L	348	1900			F	
Singapore	3090	L	348	2016			F	
EQV	2121	L	349	2110			F	
Singapore	3091	L	350	2216	2219:38	2222:53	D	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 1 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4155	L	352	0400			F	
Nigeria	4156	L	354	0601			F	
Nigeria	4157	L	355	0804			F	
Singapore	3092	L	355	0845	0853:03	0855:51	E	Data questionable.
Singapore	3093	L	356	1054			F	
Woomera	I-37-1	L	356	1111	1111:05	1113:18	B	
Woomera	I-37-2	L	357	1312	1312:37	1314:14	C	
Nigeria	4158	L	358	1419			F	
Woomera	I-37-3	L	358	1513	1513:38	1515:11	C	
EQV	2122	L	359	1555			F	
Nigeria	4159	L	359	1630			F	
EQV	2123	L	360	1751	1751:13	1755:36	E	
EQV	2124	L	361	1945			F	
EQV	2125	L	362	2205			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 2 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4160	L	366	0454	0455:49	0458:09	A	
Singapore	3094	L	367	0740			F	
Singapore	3095	L	368	0935			F	
Woomera	I-37-4	L	368	1004	1004:48	1006:17	C	
Woomera	I-37-5	L	369	1205	1205:19	1207:35	B	
EQV	2126	L	370	1240			F	
Woomera	I-38-1	L	370	1406	1406:52	1408:21	B	
EQV	2127	L	371	1441	1441:47	1443:44	E	Data questionable.
Nigeria	4162	L	371	1521			F	
EQV	2128	L	372	1643	1643:43	1647:19	E	Data questionable.
EQV	2129	L	373	1848	1848:18	1851:41	E	
Singapore	3096	L	373	2004			F	
EQV	2130	L	374	2055			F	
Singapore	3097	L	374	2204			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 3 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4163	L	377	0346	0349:06	0351:26	B	
Nigeria	4164	L	379	0547			F	
Singapore	3098	L	379	0625			F	
Singapore	3099	L	380	0826	0836:49	0843:45	D	
Woomera	I-38-2	L	381	1056	1057:59	1100:29	C	
Woomera	I-38-3	L	382	1258	1300:05	1300:51	D	
EQV	2131	L	383	1340			F	
Nigeria	4165	L	383	1404			F	
Woomera	I-38-4	L	383	1459	1501:53	1501:54	D	
EQV	2132	L	384	1533	1533:51	1537:43	E	
PAFB	1100	L	384	1553			F	
Nigeria	4166	L	384	1612			F	
EQV	2133	L	385	1737	1737:46	1741:04	D	Rate tumble modulated.
PAFB	1101	L	385	1748			F	
Singapore	3100	L	385	1859			F	
EQV	2134	L	386	1945			F	
Singapore	3101	L	387	2057	2100:00	2102:46	D	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 4 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4167	L	389	0242			F	
Singapore	3102	L	392	0716			F	
Singapore	3103	L	393	0924			F	
Woomera	I-39-1	L	393	0948	0949:36	0953:16	D	
Woomera	I-39-2	L	394	1152	1152:08	1153:13	D	
PAFB	1102	L	395	1231			F	H. P. trans. out. No readable data on L. P.
EQV	2135	L	395	1240			F	
Nigeria	4168	L	395	1257	1305:33	1308:58	E	Counter saturated.
Woomera	I-39-3	L	395	1353	1354:27	1354:47	D	
PAFB	1103	L	396	1434			F	
EQV	2136	L	396	1435			F	
Nigeria	4169	L	396	1500			F	
EQV	2137	L	397	1628	1628:41	1633:35	E	
PAFB	1104	L	397	1633			F	
EQV	2138	L	398	1834	1834:46	1837:33	E	Rate tumble modulated. Data questionable.
Singapore	3104	L	398	1951	1953:35	1955:13	D	
Singapore	3105	L	400	2151			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 5 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4170	L	402	0333	0335:43	0338:23	B	
Nigeria	4171	L	404	0535			F	
Singapore	3106	L	404	0606			F	
Singapore	3107	L	405	0820	0821:46	0830:48	E	
Woomera	I-40-1	L	405	0841	0842:46	0845:24	C	
EQV	2139	L	408	1325			F	
Nigeria	4172	L	408	1354	1359:38	1409:00	D	Counter saturated.
EQV	2140	L	409	1519	1519:45	1523:42	E	
Nigeria	4173	L	409	1613			F	
EQV	2141	L	410	1724	1724:05	1728:35	E	
Singapore	3108	L	410	1844			F	
EQV	2142	L	411	1925			F	
Singapore	3109	L	412	2045			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 6 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4174	L	415	0227	0229:17	0230:32	E	
Nigeria	4175	L	416	0428			F	
Nigeria	4176	L	417	0631			F	
Singapore	3110	L	417	0701			F	
PAFB	1106	L	419	1017			F	
EQV	2143	L	420	1220			F	
Nigeria	4177	L	420	1240			F	
EQV	2144	L	421	1409	1409:34	1415:07	D	
Nigeria	4178	L	421	1448			F	
EQV	2145	L	422	1614	1614:37	1619:25	C	
EQV	2146	L	423	1818	1818:28	1822:02	E	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 7 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4179	L	428	0319	0322:23	0324:44	D	
Nigeria	4180	L	429	0524			F	
Woomera	I-40-2	L	430	0829	0829:28	0829:51	C	
Woomera	I-40-3	L	431	1031	1032:09	1032:39	B	
Nigeria	4181	L	432	1135			F	
Woomera	I-40-4	L	432	1230	1233:10	1235:13	B	
JPL	8070	L	433	1300	1301:52	1308:01	C	
EQV	2147	L	433	1305	1305:08	1306:48	E	
PAFB	1107	L	433	1312			F	
Nigeria	4182	L	433	1335	1344:53	1354:27	D	Counter saturated.
JPL	8071	L	434	1504			F	
EQV	2148	L	434	1505	1505:21	1510:44	C	Rate tumble modulated.
PAFB	1108	L	434	1515			F	
Nigeria	4183	L	434	1533			F	
JPL	8072	L	435	1702			F	
EQV	2149	L	435	1710	1710:07	1712:49	D	
PAFB	1109	L	435	1716			F	
EQV	2150	L	436	1915			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 8 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4184	L	440	0212	0215:14	0216:55	B	
Nigeria	4185	L	441	0410			F	
Singapore	3111	L	442	0649			F	
Woomera	I-41-1	L	442	0718			F	
Woomera	I-41-2	L	443	0921	0921:36	0925:39	C	
PAFB	1110	L	444	1002	1003:44	1006:19	D	
Nigeria	4186	L	444	1030			F	
Woomera	I-41-3	L	444	1124	1124:33	1127:22	C	
PAFB	1111	L	445	1203			F	
Nigeria	4187	L	445	1228	1239:01	1240:36	D	Counter saturated.
Woomera	I-42-1	L	445	1327	1327:13	1327:48	C	
JPL	8073	L	446	1357	1357:24	1359:32	C	
PAFB	1112	L	446	1403			F	
Nigeria	4188	L	446	1430			F	
JPL	8074	L	447	1600			F	
PAFB	1113	L	447	1605			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 9 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4189	L	453	0307	0309:14	0309:55	E	Data questionable.
Woomera	I-42-2	L	454	0609			F	
Woomera	I-42-3	L	455	0810	0813:34	0817:27	D	
PAFB	1114	L	456	0855			F	
Nigeria	4190	L	456	0917			F	
Woomera	I-42-4	L	456	1010	1016:06	1019:25	B	
PAFB	1115	L	457	1057	1057:01	1100:17	C	RSL
Nigeria	4191	L	457	1116	1124:34	1132:24	E	Counter saturated.
Woomera	I-43-1	L	457	1219	1219:03	1220:58	B	
JPL	8075	L	458	1248			F	
PAFB	1116	L	458	1257			F	
Nigeria	4192	L	458	1323			F	
PAFB	1117	L	459	1459			F	
Nigeria	4193	L	459	1534			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 10 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3112	L	467	0632			F	
Woomera	I-43-2	L	467	0701	0705:18	0707:17	D	
PAFB	1118	L	468	0750			F	
Woomera	I-43-3	L	468	0908	0908:04	0911:50	C	
PAFB	1119	L	469	0949	0949:34	0951:18	C	
Woomera	I-44-1	L	469	1110	1110:08	1113:39	C	
PAFB	1120	L	470	1147			C	No W W V or comparable time.
Nigeria	4194	L	470	1214			F	
Woomera	I-44-2	L	470	1313	1313:22	1314:21	D	
JPL	8076	L	471	1340			F	
PAFB	1121	L	471	1349			F	Tape speed fluctuations.
Nigeria	4195	L	471	1419			F	
JPL	8077	L	472	1540			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 11 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4196	L	477	0053	0053:54	0054:41	D	
Nigeria	4197	L	478	0253			F	
Singapore	3113	L	479	0522			F	
Nigeria	4198	L	481	0901			F	
Nigeria	4199	L	482	1102	1108:06	1117:37	D	Counter saturated.
Woomera	I-44-3	L	482	1157			F	
Woomera	I-45-1	L	482	1204	1204:33	1207:09	C	
JPL	8078	L	483	1234	1234:44	1237:07	D	RSL
Nigeria	4200	L	483	1311			F	
JPL	8079	L	484	1440			F	
Nigeria	4201	L	488	2344			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 12 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4202	L	490	0146	0146:58	0148:41	D	
Singapore	3114	L	491	0417			F	
Woomera	I-45-2	L	492	0646	0651:36	0654:00	D	
Woomera	I-46-1	L	493	0851	0853:13	0854:13	D	
Nigeria	4203	L	494	1004			F	
Woomera	I-46-2	L	494	1054	1055:12	1059:08	C	
Nigeria	4204	L	495	1200			F	
Woomera	I-46-3	L	495	1257			F	
JPL	8080	L	496	1327	1327:47	1329:47	E	
PAFB	1127	L	496	1336			F	
Nigeria	4205	L	496	1402			F	
PAFB	1128	L	497	1535			F	No voice.

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 13 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4206	L	502	0038	0041:37	0041:57	E	Data questionable. Interference.
Singapore	3115	L	504	0505	0516:16	0526:44	D	Counter saturated.
Woomera	I-47-1	L	504	0536			F	
Woomera	I-47-2	L	505	0741	0742:33	0747:52	D	
PAFB	1130	L	506	0830			F	Tape speed fluctuations.
Nigeria	4207	L	506	0842			F	
Woomera	I-48-1	L	506	0946	0949:05	0949:51	D	
JPL	8081	L	507	1017	1018:43	1020:15	E	
PAFB	1131	L	507	1026	1027:11	1031:01	C	
Nigeria	4208	L	507	1047			F	
Woomera	I-48-2	L	507	1149	1149:29	1149:58	C	
JPL	8082	L	508	1213	1220:44	1222:58	B	
PAFB	1132	L	508	1226			F	
Nigeria	4209	L	508	1253			F	
PAFB	1133	L	509	1427			F	
Nigeria	4210	L	513	2330	2331:28	2332:31	E	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 14 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4211	L	515	0130			F	
Singapore	3116	L	516	0358	0404:41	0415:06	D	
Woomera	I-48-3	L	517	0630	0634:10	0634:26	D	
PAFB	1135	L	518	0718			F	
Nigeria	4212	L	518	0740			F	
Woomera	I-49-1	L	518	0837	0837:07	0840:57	D	
JPL	8083	L	519	0905			F	
PAFB	1136	L	519	0918	0919:52	0922:07	C	
Nigeria	4213	L	519	0937			F	
Woomera	I-49-2	L	519	1041	1041:39	1043:54	D	
JPL	8084	L	520	1110	1111:13	1114:19	C	
PAFB	1137	L	520	1118	1121:16	1123:23	D	
Nigeria	4214	L	520	1141	1149:06	1155:26	E	Counter saturated.
Woomera	I-49-3	L	520	1245			F	
PAFB	1138	L	521	1319			F	
PAFB	1139	L	522	1524			F	
Nigeria	4215	L	525	2220			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 15 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4216	L	526	0020	0023:58	0025:44	B	
Singapore	3117	L	529	0452	0459:42	0507:52	E	Only one switch in readable interval.
Woomera	I-50-1	L	530	0725			F	
PAFB	1141	L	531	0810	0811:46	0812:40	B	
Nigeria	4217	L	531	0831			F	
Woomera	I-50-2	L	531	0927	0929:58	0931:42	D	
JPL	8085	L	532	1003	1003:26	1006:01	D	RSL
PAFB	1142	L	532	1010	1012:15	1014:59	D	
Nigeria	4218	L	532	1031			F	
Woomera	I-51-1	L	532	1133			F	
JPL	8086	L	533	1203	1204:33	1207:22	C	
PAFB	1143	L	533	1211	1213:31	1217:49	B	
Nigeria	4219	L	533	1238			F	
Nigeria	4220	L	538	2314	2316:03	2317:50	C	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 16 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4221	L	540	0116			F	
Woomera	I-51-2	L	541	0410			F	
Woomera	I-51-3	L	542	0615	0617:08	0620:08	D	
PAFB	1146	L	543	0702	0703:36	0705:40	B	Interference.
Nigeria	4222	L	543	0725			F	
Woomera	I-52-1	L	543	0819	0821:36	0825:54	B	
PAFB	1147	L	544	0902	0903:26	0906:49	A	Interference.
Nigeria	4223	L	544	0922	0926:46	0935:05	D	
Woomera	I-52-2	L	544	1020	1024:52	1028:09	B	
JPL	8087	L	545	1054	1054:35	1059:51	A	
PAFB	1148	L	545	1103	1105:00	1108:00	B	Interference.
Nigeria	4224	L	545	1125			F	
PAFB	1149	L	546	1303	1306:04	1312:03	B	Interference
PAFB	1150	L	547	1506			F	
Nigeria	4225	L	550	2205			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 17 March 1958

Station	Record No.	Trans-mitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4226	L	552	0006	0008:06	0011:00	E	
Singapore	3118	L	554	0436	0443:46	0447:47	E	
Woomera	I-52-3	L	554	0503	0503:54	0507:18	D	
PAFB	1151	L	555	0555			F	'58.B interference. Recorder trouble.
Woomera	I-53-1	L	555	0708	0708:34	0715:26	D	
PAFB	1152	L	556	0754	0754:48	0759:05	A	RSL
Nigeria	4227	L	556	0818	0818:49	0822:18	E	
Woomera	I-53-2	L	556	0914	0914:00	0919:05	D	
JPL	8088	L	557	0946	0946:49	0951:55	B	
PAFB	1153	L	557	0955	0956:52	1000:51	B	
Nigeria	4228	L	557	1019	1020:39	1029:28	D	
Woomera	I-53-3	L	557	1120	1120:00	1121:01	D	
JPL	8089	L	558	1147	1147:39	1153:28	A	
PAFB	1154	L	558	1155	1156:42	1203:47	A	
Nigeria	4229	L	558	1220			F	
Temple City	5039	L	559	1347			F	
PAFB	1155	L	559	1356			F	
Singapore	3119	L	559	1516	1516:16	1522:06	C	
Temple City	5041	L	560	1553			F	
Nigeria	4230	L	564	2256	2259:30	2303:22	A	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 18 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3120	L	566	0325	0331:29	0342:36	C	
Woomera	I-54-1	L	566	0353	0353:31	0356:05	C	
Woomera	I-54-2	L	568	0557	0557:25	0603:01	C	
PAFB	1157	L	568	0647	0647:35	0650:05	B	
Nigeria	4231	L	568	0706			F	
Woomera	I-54-3	L	568	0804	0804:01	0809:14	B	
PAFB	1158	L	569	0847	0847:46	0851:45	B	
Nigeria	4232	L	569	0907	0910:17	0919:16	D	
Woomera	I-55-1	L	569	1011	1011:37	1012:32	C	
JPL	8090	L	570	1031			F	No time signal.
PAFB	1159	L	570	1047	1048:57	1053:18	B	
Nigeria	4233	L	570	1113			F	
Temple City	5043	L	571	1241			F	
PAFB	1160	L	571	1247	1249:58	1254:28	B	
Temple City	5046	L	572	1438			F	
Nigeria	4234	L	575	2148	2151:14	2154:02	D	
Nigeria	4235	L	577	2352			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 19 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3121	L	578	0217	0222:28	0232:03	D	
Woomera	I-55-2	L	579	0445	0445:15	0452:26	C	
PAFB	1161	L	580	0539	0539:59	0540:32	C	
Woomera	I-55-3	L	580	0650	0650:50	0657:44	C	
JPL	8091	L	581	0730			F	
PAFB	1162	L	581	0738	0739:49	0742:25	A	
Nigeria	4236	L	581	0758	0801:44	0806:05	D	
Woomera	I-56-1	L	581	0856	0856:31	0902:55	C	
PAFB	1163	L	582	0939	0940:47	0943:53	B	
JPL	8092	L	582	0930	0941:04	0945:15	B	
Nigeria	4237	L	582	1005	1005:19	1009:54	D	Low level recording.
Woomera	I-56-2	L	582	1103			E-F	
JPL	8093	L	583	1130	1131:56	1135:40	B	
Nigeria	4238	L	589	2242	2243:08	2247:03	A	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 20 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3122	L	591	0310	0314:36	0324:25	D	B interference.
Woomera	I-56-3	L	591	0334	0334:12	0341:17	C	
PAFB	1165	L	592	0430			F	
Woomera	I-57-1	L	592	0539	0539:07	0548:01	C	
PAFB	1166	L	593	0630	0630:47	0634:24	A	No voice.
Nigeria	4239	L	593	0649			F	
Woomera	I-57-2	L	593	0744	0744:41	0751:39	C	
JPL	8094	L	594	0822	0822:40	0826:07	C	
PAFB	1167	L	594	0830	0831:53	0834:51	B	
Nigeria	4240	L	594	0854	0854:33	0900:55	D	
Woomera	I-58-1	L	594	0950	0954:20	1000:05	C	
JPL	8095	L	595	1022	1022:50	1028:02	A	
PAFB	1168	L	595	1031	1032:12	1036:49	A	No W W.
PAFB	1169	L	596	1231	1233:59	1237:06	E	No W W.
Nigeria	4241	L	600	2131	2133:46	2137:33	D	
Nigeria	4242	L	602	2333			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 21 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3123	L	603	0201	0205:30	0214:11	C	
Woomera	I-58-2	L	603	0222	0222:25	0226:36	D	
PAFB	1170	L	603	0310			F	
Woomera	I-59-1	L	604	0433	0433:18	0437:12	C	
PAFB	1171	L	605	0522	0522:43	0525:22	B	Interference.
Woomera	I-59-2	L	605	0633	0633:35	0641:21	C	
PAFB	1172	L	606	0721	0722:38	0725:29	A	Interference.
Nigeria	4243	L	606	0740	0744:04	0749:23	D	
Woomera	I-60-1	L	606	0838	0838:46	0846:07	C	
JPL	8096	L	607	0914	0914:18	0920:12	A	No W W V or comparable time.
PAFB	1173	L	607	0923	0924:01	0927:20	B	
Nigeria	4244	L	607	0950			F	
Woomera	I-60-2	L	607	1049			F	
JPL	8097	L	608	1114	1115:58	1120:47	B	
PAFB	1174	L	608	1122	1124:25	1125:51	A	
Nigeria	4245	L	614	2225	2225:17	2230:28	C	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 22 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Woomera	I-60-3	L	616	0317	0317:55	0322:54	C	
PAFB	1175	L	617	0413			F	
Woomera	I-61-1	L	617	0524	0524:18	0529:50	C	
PAFB	1176	L	618	0614	0614:37	0617:42	A	
Nigeria	4246	L	618	0620			F	
Woomera	I-61-2	L	618	0728	0728:00	0734:40	C	
JPL	8098	L	619	0804	0805:53	0810:08	C	
PAFB	1177	L	619	0814	0815:31	0818:25	B	
Nigeria	4247	L	619	0834	0837:05	0843:05	D	
Woomera	I-62-1	L	619	0934	0934:06	0939:01	C	
JPL	8099	L	620	1007	1007:49	1011:13	A	
PAFB	1178	L	620	1014	1015:53	1019:46	A	
PAFB	1179	L	621	1214			F	
Singapore	3124	L	621	1332	1335:03	1337:18	C	
Nigeria	4248	L	625	2115	2116:54	2121:19	C	
Nigeria	4249	L	627	2317			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 23 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3125	L	628	0144	0147:53	0153:41	C	
Woomera	I-62-2	L	628	0204	0204:54	0211:57	C	
Singapore	3126	L	628	0236			F	
Woomera	I-63-1	L	629	0409	0409:47	0418:40	C	
PAFB	1180	L	630	0503	0506:00	0510:45	A	Recorder trouble. No W W V.
Woomera	I-63-2	L	630	0615	0614:43	0621:55	C	
JPL	8100	L	631	0656	0656:43	0700:43	D	
PAFB	1181	L	631	0704			F	No W W V.
Woomera	I-64-1	L	631	0820	0820:22	0828:11	C	
JPL	8101	L	632	0857	0859:41	0902:18	B	
PAFB	1182	L	632	0906	0908:15	0913:50	B	No W W V.
PAFB	1183	L	633	1105	1110:00	1115:28	B	
Nigeria	4250	L	637	2005	2007:49	2011:31	E	
Nigeria	4251	L	638	2200			F	Receiver trouble.

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 24 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Woomera	I-64-2	L	641	0257	0257:06	0304:58	C	
Woomera	I-65-1	L	642	0504	0504:13	0510:49	C	
Nigeria	4252	L	643	0614	0618:22	0621:31	D	
Woomera	I-65-2	L	643	0711	0711:27	0717:45	C	
JPL	8102	L	644	0747	0748:11	0753:11	B	
Nigeria	4253	L	644	0815	0819:42	0825:36	D	
JPL	8103	L	645	0940			F	No time signal.
Singapore	3127	L	646	1314	1317:45	1321:30	B	
Nigeria	4254	L	651	2055	2059:10	2104:16	A	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 25 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Woomera	I-66-1	L	653	0146	0146:21	0153:11	C	
Woomera	I-66-2	L	654	0351	0351:03	0400:30	C	
Woomera	I-67-1	L	655	0556			F	
EQV	2151	L	656	0642	0642:44	0645:58	D	
Nigeria	4255	L	656	0707	0710:51	0715:48	B	
Woomera	I-67-2	L	656	0803	0803:00	0808:57	C	
EQV	2152	L	657	0840	0840:05	0846:08	A	
EQV	2153	L	658	1041	1041:07	1046:54	A	
Singapore	3128	L	658	1208	1208:14	1212:24	E	Recording starts late.
EQV	2154	L	659	1250			F	
Nigeria	4256	L	664	2146			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 26 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Woomera	I-68-1	L	666	0238	0238:48	0248:48	C	
Woomera	I-68-2	L	667	0445	0445:36	0452:40	C	
EQV	2155	L	668	0540			F	
Nigeria	4257	L	668	0558	0600:16	0604:27	C	
Woomera	I-69-1	L	668	0649	0649:10	0658:48	C	
EQV	2156	L	669	0725	0730:52	0737:13	B	
Singapore	3129	L	669	0846			F	
EQV	2157	L	670	0930	0932:27	0937:15	A	
Singapore	3130	L	670	1050			F	
EQV	2158	L	671	1133	1133:10	1137:38	B	
Nigeria	4258	L	676	2042	2042:02	2045:33	E	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 27 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3131	L	679	0312			F	B interference on first part.
PAFB	1186	L	680	0432	0432:00	0434:00	A	B interference.
EQV	2159	L	681	0623	0623:20	0627:37	C	
PAFB	1187	L	681	0631	0632:00	0634:00	B	
Woomera	I-71-1	L	681	0743	0743:19	0751:00	C	
EQV	2160	L	682	0822	0822:28	0828:28	A	
Nigeria	4259	L	682	0857			F	
EQV	2161	L	683	1024	1024:06	1028:35	A	
JPL	8503	L	684	1224			F	
Nigeria	4260	L	689	2130			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 28 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Singapore	3133	L	690	0001	0002:38	0007:43	B	
Woomera	I-71-2	L	691	0222	0226:06	0229:36	D	
EQV	2162	L	692	0315			F	
PAFB	1192	L	692	0319	0319:09	0324:37	A	
Woomera	I-72-1	L	692	0428	0428:30	0433:42	C	
EQV	2163	L	693	0515			F	
PAFB	1193	L	693	0521			F	'58 B interference.
Nigeria	4261	L	693	0540	0543:07	0546:28	D	
Woomera	I-72-2	L	693	0634	0634:45	0639:40	D	
EQV	2164	L	694	0713	0713:45	0718:57	A	B interference.
PAFB	1194	L	694	0721	0723:38	0725:12	C	
Nigeria	4262	L	694	0744			F	
Singapore	3136	L	694	0845			F	
EQV	2165	L	695	0915	0915:24	0919:17	A	
PAFB	1195	L	695	0923	0924:00	0927:00	C	
EQV	2166	L	696	1115	1115:50	1117:20	C	
Nigeria	4263	L	701	2020			F	γ interference.

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 29 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Woomera	I-72-3	L	703	0110	0110:07	0114:17	C	
PAFB	1202	L	704	0208	0209:20	0214:21	C	
Woomera	I-73-1	L	704	0314	0314:42	0321:40	C	
PAFB	1203	L	705	0410	0411:00	0415:47	A	
EQV	2167	L	705	0415			F	
Woomera	I-73-2	L	705	0517	0517:57	0527:05	C	
EQV	2168	L	706	0601	0601:49	0610:14	B	
PAFB	1204	L	706	0613			F	Recorder trouble.
Woomera	I-74-1	L	706	0726	0726:49	0730:40	C	
EQV	2169	L	707	0805	0805:44	0810:40	A	'58 B interference.
PAFB	1205	L	707	0814	0814:34	0817:00	A	
Woomera	I-74-2	L	707	0936			F	
EQV	2170	L	708	1005	1006:50	1010:22	B	
Nigeria	4265	L	714	2121			F	
Woomera	I-74-3	L	715	2354	2358:19	0003:36	C	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 30 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Woomera	I-74-4	L	716	0201	0201:44	0204:54	C	
EQV	2171	L	717	0300			F	
PAFB	1210	L	717	0301	0301:37	0306:14	A	
Woomera	I-75-1	L	717	0405	0405:26	0413:16	C	
EQV	2172	L	718	0456	0456:12	0500:05	C	
PAFB	1211	L	718	0500	0504:00	0507:00	B	
Woomera	I-75-2	L	718	0610	0610:46	0618:43	C	
EQV	2173	L	719	0654	0654:13	0701:00	A	
PAFB	1212	L	719	0706	0706:00	0707:40	A	
Nigeria	4266	L	719	0723	0724:14	0728:08	B	
EQV	2174	L	720	0856	0856:41	0900:46	A	
PAFB	1213	L	720	0905	0905:00	0908:28	D	
Nigeria	4267	L	724	1744			F	
Nigeria	4268	L	726	2005			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 31 March 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Woomera	I-76-1	L	728	0050	0050:02	0056:20	C	
EQV	2175	L	730	0339	0347:43	0350:53	D	
PAFB	1217	L	730	0353	0353:00	0357:00	A	
Nigeria	4269	L	730	0414	0414:48	0417:21	D	
Woomera	I-76-2	L	730	0450	0459:22	0507:46	C	
EQV	2176	L	731	0541	0542:34	0551:30	B	
PAFB	1218	L	731	0550	0550:00	0558:16	B	
Nigeria	4270	L	731	0620			F	
Woomera	I-77-1	L	731	0706			F	
EQV	2177	L	732	0744	0745:54	0752:26	B	
EQV	2178	L	733	0946	0947:09	0952:23	C	
Nigeria	4271	L	739	2052	2052:47	2058:12	C	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 1 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1223	L	741	0041			F	Receiver trouble.
Woomera	I-77-2	L	741	0142			C	No time signal.
PAFB	1224	L	742	0236	0242:22	0248:22	B	No W W V.
EQV	2179	L	743	0428	0430:32	0441:58	D	
PAFB	1225	L	743	0440	0444:14	0448:32	B	No W W V.
Nigeria	4272	L	743	0505	0505:48	0509:34	C	
Woomera	I-78-1	L	743	0552			D	No time signal.
EQV	2180	L	744	0633	0633:57	0641:17	B	
PAFB	1226	L	744	0644	0645:37	0649:32	A	
PAFB	1227	L	744	0746			F	
EQV	2181	L	745	0835	0837:29	0842:59	B	
PAFB	1228	L	745	0845	0846:34	0849:31	E	
Nigeria	4273	L	749	1734	1739:04	1747:06	B	
Nigeria	4274	L	751	1937	1945:11	1947:04	E	
PAFB	1233	L	753	2327			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 2 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Woomera	I-78-2	L	753	0031			C	No time signal.
PAFB	1234	L	754	0126	0131:10	0137:27	C	
EQV	2182	L	755	0319	0326:34	0331:02	D	58 B interference.
PAFB	1235	L	755	0333	0335:08	0338:53	C	B interference.
Nigeria	4275	L	755	0355	0355:41	0358:51	B	
EQV	2183	L	756	0520	0522:18	0531:59	B	
PAFB	1236	L	756	0534	0536:47	0539:27	B	
EQV	2184	L	757	0726	0726:55	0732:19	A	
PAFB	1237	L	757	0735	0735:47	0740:23	C	
EQV	2185	L	758	0927	0927:53	0933:02	C	
Nigeria	4276	L	762	1824	1831:01	1838:30	E	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 3 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1243	L	766	0012	0018:50	0025:21	D	
PAFB	1244	L	767	0221	0222:39	0227:38	A	
EQV	2186	L	768	0409	0411:22	0422:11	C	1958 B Interference.
PAFB	1245	L	768	0421	0425:17	0428:19	B	Interference.
Nigeria	4277	L	768	0445			F	
EQV	2187	L	769	0612	0616:32	0623:37	A	
PAFB	1246	L	769	0625	0626:29	0629:58	A	
EQV	2188	L	770	0817	0818:21	0823:47	C	
PAFB	1248	L	770	0827			F	
Nigeria	4278	L	774	1701	1714:50	1723:40	C	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 4 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2189	L	780	0304	0304:18	0310:34	D	
PAFB	1253	L	780	0309	0314:05	0319:18	B	
Nigeria	4279	L	780	0336	0336:45	0339:32	A	
EQV	2190	L	781	0502	0503:20	0513:55	C	
PAFB	1254	L	781	0512	0516:01	0519:37	A	
EQV	2191	L	782	0705	0706:57	0713:58	B	B interference.
PAFB	1255	L	782	0715			F	Recorder trouble. Signal fluctuates.
EQV	2192	L	783	0907			F	
Nigeria	4281	L	788	1813	1813:28	1818:00	D	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 5 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1261	L	792	0155	0201:53	0209:05	A	
PAFB	1262	L	793	0405	0405:24	0409:16	B	
Nigeria	4281	L	793	0425			F	
EQV	2193	L	794	0555	0559:46	0607:44	A	No voice.
PAFB	1263	L	794	0607	0607:00	0610:18	A	
Nigeria	4282	L	799	1651	1657:12	1705:51	C	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 6 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4283	L	805	0315	0316:16	0319:25	C	
EQV	2194	L	806	0440	0444:12	0452:13	B	
EQV	2195	L	807	0640	0646:55	0654:13	C	
Nigeria	4284	L	813	1746			F	

Insert A

However, the radiation counter operated on a higher portion of the R curve than expected so that a correction formula for the determination of R was ~~devxxxx~~ devised. The temperature effect, at least at low counting rates, was found to be ~~negligible~~ negligible.

DOCUMENTATION
INCORPORATED

Date:

cc:

To:

From:

Subject:

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 7 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2196	L	818	0327	0329:58	0340:43	D	
EQV	2197	L	819	0533	0534:30	0542:14	B	
PAFB	1269	L	819	0544	0546:38	0550:30	A	
Nigeria	4285	L	825	1631	1639:12	1643:38	E	
PAFB	1275	L	828	2220	2225:28	2229:40	E	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 8 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1276	L	829	0022	0029:07	0035:48	B	
PAFB	1277	L	830	0231	0232:53	0238:00	C	
Nigeria	4286	L	830	0255			F	
EQV	2198	L	831	0418	0421:59	0432:23	B	RSL
PAFB	1278	L	831	0437	0437:00	0439:09	A	RSL
EQV	2199	L	832	0624	0625:18	0633:14	C	
Nigeria	4287	L	838	1723			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 9 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1283	L	842	0111	0120:00	0126:13	C	
PAFB	1284	L	843	0327	0327:00	0328:11	D	RSL
EQV	2200	L	844	0510	0512:30	0520:57	B	
PAFB	1286	L	844	0529	0529:00	0529:05	E	RSL
Nigeria	4288	L	850	1604	1612:50	1620:54	E	
Nigeria	4289	L	851	1814			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 10 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1291	L	854	0001	0006:00	0013:00	B	
Nigeria	4290	L	854	0031	0033:45	0036:24	E	
PAFB	1292	L	855	0210	0210:32	0214:48	B	
EQV	2201	L	856	0357	0400:16	0410:02	C	
PAFB	1294	L	856	0416	0416:00	0417:32	C	RSL
PAFB	1296	L	857	0616			F	
Nigeria	4291	L	862	1456	1458:37	1507:40	C	
Nigeria	4292	L	863	1657			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 11 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1299	L	867	0056	0057:39	0103:06	C	
Nigeria	4293	L	867	0122	0123:51	0126:43	C	
PAFB	1300	L	868	0259	0300:46	0306:18	B	
PAFB	1302	L	869	0500	0503:34	0507:00	C	
Nigeria	4294	L	873	1338	1344:47	1351:20	D	
Nigeria	4295	L	875	1546	1550:29	1556:58	E	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 12 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4296	L	879	0009	0011:09	0015:22	E	
EQV	2202	L	882	0540	0541:16	0548:10	D	
Nigeria	4297	L	885	1229			F	
Nigeria	4298	L	887	1429	1434:50	1443:43	E	
Nigeria	4299	L	891	2256			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 13 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1308	L	892	0025			F	
Nigeria	4300	L	892	0058	0101:49	0104:44	D	
PAFB	1309	L	893	0235	0238:35	0244:27	B	
PAFB	1311	L	894	0437	0440:30	0445:46	D	
Nigeria	4301	L	899	1314	1322:56	1328:23	E	
Nigeria	4302	L	900	1518			F	
Nigeria	4303	L	903	2145			F	
Nigeria	4304	L	904	2348	2349:06	2353:40	B	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 14 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1316	L	906	0329	0329:45	0332:52	C	RSL (ceased between 4304 and
Nigeria	4305	L	910	1204			F	SCO tones (4305. No further data.
Nigeria	4306	L	912	1407			F	
PAFB	1320	L	915	2001			F	
PAFB	1321	L	916	2204			F	
Nigeria	4307	L	916	2232			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 15 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4308	L	917	0035			F	
PAFB	1322	L	918	0217			F	
Nigeria	4309	L	923	1251			F	
Nigeria	4310	L	925	1604			F	
PAFB	1327	L	928	2055			F	
Nigeria	4311	L	928	2119			F	
Nigeria	4312	L	929	2321			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 16 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1328	L	931	0302			F	Marginal R. F. lock.
Singapore	3139	L	931	0359			F	
EQV	2203	L	932	0453			F	
Nigeria	4313	L	935	1140			F	
Nigeria	4314	L	937	1344			F	
PAFB	1333	L	940	1945			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 17 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4315	L	942	0011			F	
Nigeria	4316	L	949	1233			F	
Nigeria	4317	L	950	1432			F	
Nigeria	4318	L	953	2056			F	
Nigeria	4319	L	954	2257			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 18 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1337	L	955	0035			F	
PAFB	1338	L	956	0244			F	Tape flutter.
Nigeria	4320	L	961	1123			F	
Nigeria	4321	L	962	1318			F	
PAFB	1343	L	966	2114			F	
PAFB	1344	L	967	2330			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 19 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4322	L	972	1004			F	
Nigeria	4323	L	973	1206			F	
Nigeria	4324	L	977	1815			F	
Nigeria	4325	L	979	2236			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 20 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1351	L	981	0217			F	
Nigeria	4326	L	985	1052			F	
Nigeria	4327	L	987	1255			F	
Nigeria	4328	L	991	2117			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 21 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
EQV	2204	L	995	0454			F	
Nigeria	4329	L	997	0941			F	
Nigeria	4330	L	998	1140			F	
Nigeria	4331	L	1003	2004			F	
Nigeria	4332	L	1004	2210			F	
PAFB	1361	L	1005	2345			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 22 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4333	L	1009	0829			F	
Nigeria	4334	L	1010	1029			F	
PAFB	1367	L	1014	1728			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 23 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4336	L	1024	1117			F	
Nigeria	4337	L	1028	1943			F	
PAFB	1372	L	1029	2128			F	
Nigeria	4338	L	1030	2142			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 24 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4339	L	1034	0808			F	
Nigeria	4340	L	1035	1005			F	
Nigeria	4341	L	1040	1831			F	
Nigeria	4342	L	1041	2028			F	
EQV	2205	L	1042	2159			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 25 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4343	L	1049	1053			F	
Nigeria	4344	L	1053	1915			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 26 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4345	L	1061	0941			F	
Nigeria	4346	L	1065	1803			F	
Nigeria	4347	L	1066	2001			F	
PAFB	1380	L	1068	2340			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 27 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4348	L	1072	0809			F	
Nigeria	4349	L	1074	1034			F	
Nigeria	4350	L	1078	1834			F	
EQV	2206	L	1080	2214			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 28 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4351	L	1084	0716			F	
Nigeria	4352	L	1086	0915			F	
Nigeria	4353	L	1090	1731			F	
Nigeria	4354	L	1091	1936			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 29 April 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
Nigeria	4355	L	1098	0810			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 1 May 1958

Station	Record No.	Transmitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1397	L	1130	2132			F	Wrong recording speed.
PAFB	1399	L	1131	2347			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 4 May 1958

Station	Record No.	Trans-mitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1408	L	1168	2144			F	

RECORDING LOG
SATELLITE 1958 ALPHA

Universal Date: 10 May 1958

Station	Record No.	Trans-mitter	Orbit No.	Approx. Acquisition (U. T.)	Data Begins (U. T.)	Data Ends (U. T.)	Data Quality	Remarks
PAFB	1432	L	1242	1824			F	

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-7-B

Date: 8 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0955 39.7	.75	1.5	64.0	32 43	128 40	884
0955 48.0	5.28	8.5	51.5	32 40	129 13	877
0956 21.7	3.26	5.0	49.1	32 23	131 28	846
0956 27.4	1.41	3.0	68.1	32 19	131 51	841
0956 35.1	4.79	8.5	56.8	32 15	132 22	834
0956 45.5	10.66	17.0	51.0	32 09	133 04	825
0956 56.2	10.61	18.0	54.3	32 03	133 47	815
0957 04.9	3.87	6.5	53.7	31 57	134 22	808
0957 11.3	3.68	5.5	47.8	31 53	134 47	802
0957 54.3	3.64	6.0	52.7	31 22	137 40	765
0958 01.9	7.97	13.5	54.2	31 16	138 11	758
0958 12.2	1.61	2.5	49.7	31 07	138 52	750
0958 14.9	1.55	3.0	61.9	31 05	139 03	747
0958 19.2	3.73	6.0	51.5	31 01	139 20	744
0958 24.7	7.45	11.5	49.4	30 56	139 42	739
0958 30.7	4.46	6.5	46.6	30 51	140 06	734
0958 41.2	3.93	6.0	48.9	30 42	140 48	726
0958 49.7	7.36	11.5	50.0	30 34	141 23	719
0958 57.7	8.74	14.0	51.3	30 27	141 55	712
0959 06.1	6.01	10.0	53.2	30 19	142 04	705
0959 14.9	1.21	2.0	52.9	30 10	143 03	698
0959 22.1	5.04	7.5	47.6	30 03	143 32	692
0959 28.2	4.82	7.5	49.8	29 56	143 56	688
0959 36.1	6.58	9.5	46.2	29 48	144 28	681
0959 43.2	6.24	10.0	51.3	29 41	144 56	676
0959 50.0	1.89	2.5	42.3	29 34	145 23	670

Local time base cor. 0.994 (cm/sec). Data begins 0955:39.3 U. T. Data ends 0959:50.9 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-7-C

Date: 8 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: D

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1157 41.6	2.50	4.5	57.6	25 34	128 18	545
1157 52.3	2.46	4.5	58.5	25 18	128 59	538
1158 00.1	5.60	9.5	54.3	25 07	129 29	533
1158 07.6	4.60	8.0	55.7	24 55	129 58	528
1158 12.3	2.40	3.5	46.7	24 47	130 15	525
1158 20.2	9.31	16.0	55.0	24 34	130 45	521
1158 38.9	11.57	18.0	49.8	24 04	131 56	510
1158 49.6	9.88	16.5	53.4	23 47	132 36	503
1158 58.2	3.00	5.5	58.7	23 33	133 08	498
1159 03.3	4.37	7.5	54.9	23 24	133 27	496
1159 12.5	9.52	15.0	50.4	23 09	134 01	491
1159 20.8	6.94	11.5	53.0	22 54	134 32	486
1159 58.6	6.82	11.0	51.6	21 49	136 53	466
1200 09.4	9.41	15.0	64.8	21 30	137 32	461
1200 18.0	4.79	8.5	56.8	21 14	138 04	457
1200 23.0	2.16	3.5	51.9	21 04	138 22	455
1200 26.6	2.62	4.5	55.0	20 58	138 35	453
1200 34.6	11.11	16.5	47.5	20 43	139 04	449
1200 44.3	8.36	12.5	47.8	20 25	139 40	445
1200 52.5	4.55	7.5	52.7	20 10	140 10	441
1201 00.0	4.35	6.5	47.8	19 56	140 37	437
1201 11.1	4.84	9.0	59.5	19 35	141 17	433
1201 15.0	2.15	3.5	52.1	19 27	141 31	431

Local time base cor. 1.002 (cm/sec). Data begins 1157:40.4 U. T. Data ends 1201:16.1 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-7-D

Date: 9 Feb. 1958 U. T.

Data Reader: M. Thornwall, M. Sipe

Data Checker: M. Van Meter

Data Quality: D

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0647 02.3	2.18	140.5	2060.0	29 59	129 26	1626
0647 09.5	2.05	132.0	2060.0	30 04	129 48	1619
0648 03.7	1.60	73.0	1460.0	30 45	132 37	1567
0648 18.0	1.02	40.0	1250.0	30 55	133 23	1553
0648 25.5	1.51	60.5	1280.0	31 00	133 47	1545
0648 29.5	.69	28.5	1320.0	31 03	133 59	1541
0648 32.9	.84	33.0	1260.0	31 05	134 10	1538
0648 47.8	1.04	34.5	1060.0	31 15	134 58	1523

Local time base cor. 10.00 (cm/sec). Data begins 0647:01.2 U. T. Data ends 0648:48.3 U. T.

Remarks: Time base extrapolated.

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-8-A

Date: 9 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0851 12.7	2.90	5.5	60.7	33 11	133 58	1061
0851 16.3	1.83	4.0	69.9	33 10	134 10	1057
0851 25.3	5.50	10.0	58.2	33 07	134 44	1048
0851 30.5	2.08	4.5	69.2	33 06	135 04	1042
0851 40.7	9.76	19.0	62.3	33 03	135 44	1032
0851 48.1	1.81	3.5	61.9	33 01	136 12	1024
0851 52.5	4.62	8.5	58.9	32 00	136 29	1020
0853 15.2	1.43	3.0	67.1	32 25	141 51	943
0853 29.6	2.62	4.5	55.0	32 17	142 47	930
0853 35.9	1.99	4.0	64.3	32 14	143 12	924
0853 42.9	2.48	5.0	64.5	32 10	143 39	917
0854 25.3	2.85	4.0	44.9	31 41	146 31	877

Local time base cor. 0.999 (cm/sec). Data begins 0851:11.2 U. T. Data ends 0854:26.7 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Data Reader: M. Thornwall

Record No.: T-8-B

Data Checker: M. Van Meter

Date: 9 Feb. 1958 U. T.

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1052 07.5	1.25	2.5	64.0	29 04	128 47	731
1052 14.8	1.11	2.0	57.7	28 56	129 15	725
1052 21.2	1.62	2.5	49.4	28 48	129 40	720
1052 26.2	5.33	9.0	54.0	28 42	129 59	716
1052 32.5	5.01	8.5	54.3	28 35	130 23	711
1052 37.4	1.88	3.0	51.1	28 29	130 42	707
1052 44.2	1.60	2.5	50.0	28 21	131 08	701
1053 05.0	4.69	7.0	47.8	27 56	132 28	685
1053 13.1	8.88	13.0	46.8	27 46	132 59	678
1053 20.1	2.09	4.0	61.2	27 37	133 26	673
1053 26.0	1.89	3.5	59.3	27 29	133 48	668
1053 33.2	3.51	5.0	45.6	27 19	134 16	663
1053 39.5	4.30	7.0	52.1	27 11	134 40	658
1053 47.8	3.79	6.5	54.9	27 00	135 11	651
1054 06.7	1.75	3.0	54.9	26 35	136 23	637
1054 23.0	12.61	19.5	49.5	26 12	137 25	626
1054 33.7	1.88	3.0	51.1	25 57	138 05	618
1054 40.8	1.49	2.5	53.7	25 47	138 32	613
1054 45.6	4.43	7.5	54.2	25 40	138 50	609
1054 55.2	1.40	2.5	57.1	25 27	139 26	602
1054 59.1	3.01	5.0	53.2	25 21	139 41	599
1055 51.2	1.29	2.0	49.6	23 58	142 54	564
1056 26.5	1.22	2.0	52.5	23 00	145 31	537
1057 15.4	1.61	2.5	49.9	21 36	148 02	512

Local time base cor. 0.998 (cm/sec). Data begins 1052:06.8 U. T. Data ends 1057:16.2 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-8-C

Date: 10 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0541 31.3	1.63	12.0	236.0	28 16	134 33	1849
0541 35.7	1.32	10.0	242.0	28 20	134 45	1845
0541 38.5	1.46	10.0	279.0	28 22	134 53	1843
0541 42.6	1.50	15.5	331.0	28 26	135 04	1839
0541 45.4	1.52	12.0	253.0	28 28	135 12	1836
0541 49.4	1.22	11.5	302.0	28 32	135 23	1833
0541 52.7	1.67	15.5	297.0	28 35	135 32	1830
0541 56.7	1.94	22.0	363.0	28 38	135 43	1827
0541 59.8	1.61	14.5	288.0	28 41	135 51	1824
0542 03.7	1.70	19.5	367.0	28 44	136 03	1820
0542 11.4	1.44	21.5	478.0	28 51	136 25	1813
0542 34.7	1.74	21.5	395.0	29 10	137 31	1792
0542 48.8	1.56	21.5	441.0	29 22	138 12	1780
0542 56.0	1.46	21.5	471.0	29 29	138 33	1773
0543 03.1	1.43	20.5	459.0	29 34	138 53	1768

Local time base cor. 2.48 (cm/sec). Data begins 0541:30.5 U. T. Data ends 0543:03.8 U. T.

Remarks: Time base interpolated.

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-9-A

Date: 10 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0946 28.2	1.52	3.5	73.7	31 31	129 02	966
0946 35.9	3.25	6.0	59.1	31 25	129 36	959
0947 31.9	4.59	6.5	45.3	30 41	133 09	906
0947 37.4	2.63	4.5	54.8	30 36	133 29	901
0947 40.9	2.11	3.5	53.1	30 33	133 43	898
0947 45.8	4.47	7.5	53.7	30 29	134 01	893
0947 52.6	4.14	6.5	50.2	30 23	134 27	887
0948 00.0	4.94	7.5	48.6	30 17	134 55	880
0948 07.0	4.94	8.0	51.8	30 10	135 21	874
0948 14.2	5.65	10.5	59.5	30 03	135 49	867
0948 21.4	5.73	9.0	50.3	29 56	136 16	861
0948 26.4	1.93	3.5	58.0	29 51	136 35	856
0948 29.8	1.81	3.5	61.9	29 47	136 48	853
0948 37.5	8.48	14.0	52.8	29 39	137 17	846
0948 46.1	5.89	10.5	57.0	29 31	137 49	838
0948 54.9	9.82	17.5	57.0	29 22	138 23	830
0949 02.0	2.46	4.0	52.0	29 15	138 50	824
0949 09.1	10.14	16.5	52.1	29 07	139 16	818
0949 21.0	11.60	20.0	55.2	28 54	140 01	807
0949 29.0	4.51	7.5	53.2	28 45	140 31	800

Local time base cor. 0.979 (cm/sec). Data begins 0946:27.5 U. T. Data ends 0949:31.4 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-9-B

Date: 10 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1149 04.7	5.42	10.5	62.0	21 49	129 10	579
1149 25.6	2.88	5.0	55.6	21 12	130 23	565
1149 34.1	4.36	7.5	55.0	20 57	130 53	559
1149 40.3	4.11	6.5	50.6	20 46	131 15	555
1149 55.1	3.83	6.5	54.3	20 20	132 08	546
1149 59.5	1.10	2.0	58.2	20 12	132 23	543
1150 06.9	3.33	5.5	52.9	19 58	132 49	538
1150 17.0	3.58	5.0	44.7	19 45	133 25	533
1150 43.2	2.06	4.0	62.1	18 50	134 56	516
1150 51.8	4.25	7.0	52.7	18 34	135 26	511
1150 59.5	4.29	7.5	55.9	18 20	135 53	507
1151 06.9	5.62	9.5	54.1	18 06	136 19	503
1151 12.5	2.30	4.5	62.6	17 55	136 38	499
1151 16.5	2.57	4.0	49.8	17 47	136 52	497

Local time base cor. 0.999 (cm/sec). Data begins 1149:01.9 U. T. Data ends 1151:17.7 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-9-E

Date: 11 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0841 43.5	.97	10.0	330.0	32 27	[illegible]	[illegible]
0841 49.1	.76	7.5	316.0	32 25	[illegible]	[illegible]
0841 59.7	.73	7.0	307.0	32 20	[illegible]	[illegible]
0842 18.4	1.29	12.5	310.0	32 09	[illegible]	[illegible]
0842 32.2	2.60	23.0	283.0	32 01	[illegible]	[illegible]
0842 39.8	1.96	17.5	286.0	31 57	[illegible]	[illegible]
0842 52.7	1.88	16.0	272.0	31 49	[illegible]	[illegible]
0843 10.2	2.52	24.5	311.0	31 38	[illegible]	[illegible]
0843 16.6	1.94	17.0	280.0	31 33	[illegible]	[illegible]
0843 23.6	2.46	20.0	260.0	31 28	[illegible]	[illegible]
0843 26.9	2.79	20.5	235.0	31 26	[illegible]	[illegible]
0843 34.5	10.04	68.0	217.0	31 20	[illegible]	[illegible]
0843 40.5	2.08	13.5	208.0	31 16	[illegible]	[illegible]
0843 45.6	5.06	33.0	209.0	31 12	[illegible]	[illegible]
0843 50.6	2.00	12.0	192.0	31 09	[illegible]	[illegible]
0843 57.7	1.88	11.5	196.0	31 04	[illegible]	[illegible]

Local time base cor. 2.48 (cm/sec). Data begins 0841:43.0 U. T. Data ends 0843:58.7 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-1-A

Date: 1 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1325 06.5	4.28	4.5	33.6	30 55	123 59	376
1325 13.1	3.54	3.5	31.6	30 48	124 57	375
1326 19.9	1.54	1.5	31.2	29 36	129 23	365
1326 26.4	.99	1.0	32.3	29 28	129 51	364
1326 33.5	1.19	1.0	26.9	29 20	130 22	363
1326 40.4	2.02	2.0	31.7	29 12	130 53	362
1326 55.0	4.03	4.0	31.8	28 54	131 56	361
1327 02.0	4.46	4.0	28.7	28 45	132 26	360
1327 08.9	4.67	5.0	34.3	28 36	132 56	360
1327 15.2	4.62	4.5	31.2	28 27	133 22	359
1327 22.1	4.68	4.0	27.4	28 18	133 52	359
1327 28.9	4.11	4.0	31.1	28 09	134 20	359
1327 35.7	3.79	3.5	29.6	28 00	134 49	359
1327 43.9	8.45	8.0	30.3	27 49	135 24	358
1327 55.1	10.76	10.5	31.2	27 34	136 11	358
1328 06.3	11.68	11.5	31.5	27 18	136 58	358
1328 16.5	5.42	5.0	29.5	27 02	137 40	358
1328 22.1	1.40	1.5	34.3	26 54	138 04	359

Local time base cor. 1.004 (cm/sec). Data begins 1325:04.4 U. T. Data ends 1328:22.8 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Data Reader: M. Thornwall

Record No.: T-1-B

Data Checker: M. Van Meter

Date: 2 Feb. 1958 U. T.

Data Quality: C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0819 39.9	1.45	1.5	33.1	27 40	134 08	957
0820 21.2	.92	1.0	34.8	28 27	136 35	918
0820 40.0	11.84	10.5	28.4	28 48	137 43	901
0820 52.7	13.44	12.0	28.6	29 02	138 29	889
0821 04.7	10.61	8.5	25.6	29 15	139 14	878
0821 14.5	4.37	3.5	25.6	29 25	139 51	869
0821 21.0	2.07	1.5	23.2	29 31	140 15	864
0821 34.8	1.80	1.5	26.7	29 45	141 07	851
0821 54.0	11.09	9.5	27.4	30 05	142 19	834
0822 04.0	8.86	7.5	27.1	30 15	142 58	825
0822 19.8	11.21	9.5	27.1	30 28	144 00	811
0823 18.3	1.22	1.0	26.2	31 18	147 51	761
0823 25.4	1.62	1.5	29.6	31 23	148 19	755
0823 30.5	5.42	4.5	26.6	31 22	148 40	751
0823 36.3	1.61	1.5	29.8	31 32	149 03	746

Local time base cor. 1.000 (cm/sec). Data begins 0819:39.2 U. T. Data ends 0823:37.0 U. T.

Remarks

SATELLITE 1958 ALPHA

Station Tokyo

Record No. T-1-C

Date 2 Feb. 1958 U. T.

Data Reader M. Thornwall

Data Checker M. Van Meter

Data Quality C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1021 59.1	10.62	10.0	30.1	33 18	135 04	588
1022 08.5	8.11	7.0	27.6	33 19	135 46	582
1022 27.9	11.60	11.0	30.3	33 21	137 13	569
1022 38.7	10.17	10.0	31.5	33 23	138 00	562
1022 49.1	10.52	10.5	31.9	33 24	138 47	555
1023 00.1	11.60	11.5	31.7	33 25	139 36	548
1023 11.8	11.80	11.0	29.8	33 24	140 29	541
1023 23.2	11.17	10.5	30.1	33 23	141 21	534
1023 30.3	3.08	3.0	31.2	33 22	141 53	530
1023 34.7	2.07	2.0	30.9	33 22	142 13	527
1023 46.3	11.36	10.5	29.6	33 21	143 06	520
1023 56.2	8.40	8.5	32.4	33 20	143 51	514
1024 30.5	1.90	2.0	33.7	33 12	146 31	494

Local time base cor. 1.000 (cm/sec). Data begins 1021:53.7 U. T. Data ends 1024:31.5 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-1-D

Date: 2 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1222 52.8	1.59	1.5	30.2	31 08	133 22	404
1223 00.9	3.70	4.0	34.6	31 01	133 58	401
1223 14.5	4.71	5.0	34.0	30 47	134 58	397
1223 19.7	2.08	2.0	30.8	30 42	135 21	396
1223 28.3	5.49	6.0	35.0	30 33	135 59	393
1223 35.0	4.81	5.5	36.6	30 26	136 29	391
1223 59.8	7.76	8.0	33.0	30 01	138 18	384
1224 08.8	3.66	3.5	30.6	29 51	138 57	382
1224 18.7	11.46	11.5	32.1	29 39	139 40	380
1224 30.5	11.99	12.5	33.4	29 25	140 31	377
1224 42.9	5.17	4.5	27.9	29 10	141 25	375
1224 53.1	5.13	5.5	34.3	28 58	142 09	372
1225 01.3	8.70	8.0	29.4	28 48	142 45	371
1225 08.1	4.83	5.0	33.1	28 39	143 13	370
1225 15.7	1.76	2.0	36.4	28 29	143 46	369
1225 24.1	4.48	4.0	28.6	28 17	144 21	367

Local time base cor. 0.995 (cm/sec). Data begins 1222:52.0 U. T. Data ends 1225:26.4 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Data Reader: M. Thornwall

Record No.: T-2-A

Data Checker: M. Van Meter

Date: 2 Feb. 1958 U. T.

Data Quality: C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1425 05.2	1.58	2.0	40.5	20 19	134 35	373
1425 10.2	4.78	6.0	40.2	20 09	134 53	374
1425 22.1	7.82	9.0	36.8	19 46	135 37	377
1425 28.0	2.97	3.5	37.7	19 35	135 59	378
1425 37.7	5.25	6.5	39.6	19 16	136 34	380
1425 46.4	1.51	2.0	41.6	18 59	137 06	382
1425 53.0	8.42	10.5	39.9	18 47	137 30	384
1426 00.5	1.87	2.5	42.8	18 32	137 58	385
1426 06.1	2.82	3.0	34.0	18 21	138 18	387

Local time base cor. 0.996 (cm/sec). Data begins 1425:04.5 U. T. Data ends 1426:07.5 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-2-B

Date: 3 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: D

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0724 18.1	1.72	2.0	37.2	33 06	171 40	684
0726 01.7	8.19	8.0	31.3	33 24	179 11	606
0726 19.0	.89	1.0	36.0	33 23	179 32	594
0726 37.3	1.06	1.0	30.2	33 22	178 11	582

Local time base cor. 0.998 (cm/sec). Data begins 0724:17.2 U. T. Data ends 0726:37.9 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-2-C

Date: 3 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0916 53.8	3.05	3.0	31.5	32 02	133 18	801
0917 03.7	6.76	7.5	35.5	32 08	133 58	792
0917 42.1	10.56	11.0	33.3	32 30	136 36	759
0917 52.2	9.69	10.5	34.7	32 36	137 17	751
0917 59.7	5.38	5.0	29.7	32 40	137 48	744
0918 09.8	11.41	13.0	36.5	32 44	138 30	736
0918 19.6	8.30	9.5	36.6	32 48	139 12	728
0918 27.8	5.40	5.5	32.6	32 51	139 46	721
0918 37.5	11.27	12.0	34.1	32 55	140 27	714
0918 48.8	11.34	11.0	31.0	33 00	141 14	704
0918 59.5	5.62	5.5	31.3	33 00	141 18	704
0919 06.3	5.39	6.0	35.6	33 06	142 29	690
0919 12.9	4.01	4.0	31.9	33 07	142 58	685

Local time base cor. 1.000 (cm/sec). Data begins 0916.52.2 U. T. Data ends 0919:14.9 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-2-D

Date: 3 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1118 29.2	2.15	2.0	29.8	32 44	133 32	521
1118 36.6	4.37	4.5	33.0	32 41	134 05	520
1119 00.8	11.33	12.5	35.2	32 28	135 54	490
1119 11.9	10.81	11.0	32.6	32 21	136 43	484
1119 22.5	10.28	10.5	32.7	32 14	137 31	478
1119 32.6	9.90	10.5	33.9	32 07	138 16	473
1119 39.5	3.87	4.0	33.1	32 03	138 46	470
1119 48.5	11.19	12.0	34.3	31 57	139 27	465
1119 59.7	11.18	13.5	38.6	31 49	140 17	459
1120 07.4	4.19	4.5	34.4	31 43	140 51	456
1120 12.9	4.50	5.5	39.1	31 38	141 15	453

Local time base cor. 1.002 (cm/sec). Data begins 1118:28.1 U. T. Data ends 1120:15.2 U. T.

Remarks

SATELLITE 1958 ALPHA

Station Tokyo

Record No. T-3-A

Date 3 Feb. 1958 U. T.

Data Reader M. Thornwall

Data Checker M. Van Meter

Data Quality C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1318 01.7	1.48	2.0	43.2	28 30	125 09	389
1318 18.1	7.28	10.0	44.0	28 07	126 18	384
1318 30.8	5.45	7.0	41.1	27 49	127 11	382
1318 37.4	3.18	4.0	40.3	27 40	127 38	380
1318 54.0	2.60	4.0	49.2	27 17	128 48	376
1319 05.0	4.65	5.0	34.4	27 01	129 33	374
1319 17.2	3.43	4.0	37.3	26 43	130 24	372
1319 24.8	2.30	3.0	41.7	26 32	130 55	370
1319 39.2	4.37	5.5	40.3	26 10	131 54	368
1319 47.6	2.87	3.5	39.0	25 57	132 28	366
1319 54.0	2.03	2.0	31.5	25 47	132 54	365
1320 00.6	3.94	5.5	44.7	25 37	133 21	364
1320 08.6	7.39	9.0	39.0	25 24	133 53	363
1320 15.8	6.94	8.0	36.9	25 12	134 22	363
1320 23.1	3.66	5.0	43.7	25 00	134 51	362
1320 58.2	9.84	13.5	43.9	24 02	137 12	358
1321 09.7	13.22	16.0	38.7	23 42	137 57	358
1321 21.8	11.05	14.0	40.4	23 21	138 44	358
1321 32.0	4.36	4.5	33.0	23 03	139 23	357
1321 39.5	4.96	6.0	38.7	22 50	139 52	357
1321 46.1	4.95	6.0	38.7	22 38	140 18	357
1322 01.8	7.58	9.0	38.0	22 11	141 19	351

Local time base cor. 0.986 (cm/sec). Data begins 1318:01.0 U. T. Data ends 1322:05.6 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-3-B

Date: 4 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0811 21.8	10.25	10.0	31.2	29 27	131 38	1116
0811 31.8	3.93	5.0	40.7	29 36	132 34	1126
0811 38.4	9.37	10.5	35.9	29 42	132 57	1133
0811 48.2	10.17	11.0	34.6	29 52	133 32	1142
0811 58.0	9.34	10.5	36.0	30 01	134 07	1152
0812 44.2	10.10	11.5	36.4	30 41	136 56	994
0812 55.3	12.00	14.0	37.3	30 51	137 37	983
0813 07.2	11.74	13.0	35.4	31 00	138 21	972
0813 18.9	11.65	13.0	35.7	31 09	139 06	961
0813 30.4	11.24	13.0	37.0	31 18	139 50	950
0813 41.8	11.53	13.0	36.1	31 26	140 33	939
0813 53.0	10.98	12.0	35.0	31 35	141 15	928
0814 03.7	10.36	11.5	35.5	31 42	141 56	918
0814 14.1	10.59	10.5	31.7	31 49	142 37	909
0814 23.7	8.12	8.5	33.5	31 55	143 15	900
0815 00.2	10.67	12.5	37.5	32 18	145 38	866

Local time base cor. 0.993 (cm/sec). Data begins 0811:16.7 U. T. Data ends 0815:05.6 U. T.

Remarks

SATELLITE 1958 ALPHA

Station Tokyo

Record No. T-3-C

Date 4 Feb. 1958 U. T.

Data Reader M. Thornwall

Data Checker M. Van Meter

Data Quality B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1013 58.2	11.40	16.0	44.9	33 23	133 56	662
1014 08.5	3.36	5.5	52.4	33 22	134 41	655
1014 22.6	3.68	5.5	47.8	33 19	135 43	644
1014 33.0	11.38	13.5	38.0	33 17	136 28	636
1014 44.5	11.52	13.0	36.1	33 16	137 18	628
1014 56.1	11.92	13.0	34.9	33 14	138 09	619
1015 08.0	11.85	13.0	35.1	33 10	139 01	611
1015 19.8	11.76	14.0	38.1	33 06	139 53	603
1015 31.7	11.91	13.5	36.3	33 02	140 45	594
1015 41.7	8.14	10.0	39.3	32 59	141 29	587

Local time base cor. 0.998 (cm/sec). Data begins 1013:52.5 U. T. Data ends 1015:45.8 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-3-D

Date: 4 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: C - D

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1213 55.1	2.36	3.5	47.5	30 41	127 20	469
1214 18.7	3.93	6.0	48.9	30 17	130 01	458
1215 13.0	2.31	2.5	34.6	29 17	132 54	433
1215 20.1	1.98	2.5	40.4	29 08	133 24	430
1215 28.1	3.98	5.0	40.2	28 58	133 57	427
1215 36.2	10.45	13.0	39.8	28 48	134 32	424
1215 43.2	3.48	4.5	41.4	28 40	135 01	421
1215 52.3	11.36	14.5	40.8	28 28	135 40	417
1216 01.9	7.82	9.5	38.9	28 16	136 20	414
1217 25.4	3.70	4.0	34.6	26 17	142 04	387

Local time base cor. 0.997 (cm/sec). Data begins 1213:54.0 U. T. Data ends 1217:27.2 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-4-B

Date: 5 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0704 49.3	.84	8.5	324.0	25 13	130 30	1413
0704 53.9	1.13	10.5	297.0	25 19	130 43	1408
0705 00.6	1.30	11.0	271.0	25 27	131 03	1402
0705 03.8	1.48	11.0	238.0	25 30	131 12	1398
0705 52.0	2.48	11.0	142.0	26 28	133 38	1350
0705 58.2	5.67	20.5	116.0	26 35	133 57	1344
0706 03.3	3.83	12.5	104.0	26 41	134 12	1339
0706 10.1	2.23	6.5	93.3	26 48	134 34	1332
0706 13.8	1.59	5.0	101.0	26 52	134 45	1328
0706 16.4	1.72	5.5	102.0	26 55	134 54	1326
0706 25.2	11.82	29.5	79.9	27 05	135 21	1317
0706 37.1	11.59	27.0	74.5	27 18	135 59	1305
0706 48.4	10.96	24.5	71.5	27 31	136 34	1294
0706 57.2	5.12	11.0	68.8	27 41	137 04	1284
0707 02.7	1.79	3.5	62.6	27 47	137 20	1279
0707 06.1	2.78	6.0	69.1	27 50	137 31	1276
0707 10.3	2.52	4.5	57.1	27 55	137 45	1272
0707 15.2	3.46	6.5	60.1	28 00	138 01	1267
0708 01.6	.91	1.5	52.7	28 48	140 32	1220
0708 05.4	1.96	3.0	49.0	28 51	140 45	1217
0708 13.3	3.58	5.5	49.2	28 59	141 12	1209
0708 19.4	4.97	7.5	48.3	29 05	141 33	1203
0708 25.3	3.50	5.5	50.3	29 10	141 53	1197
0709 45.2	8.25	11.5	44.6	30 24	146 29	1117
0709 56.3	4.14	6.0	46.4	30 34	147 08	1106
0710 00.9	1.66	2.5	48.2	30 38	147 24	1102
0710 04.5	2.40	3.5	46.7	30 40	147 37	1098
0710 12.0	1.44	2.5	55.6	30 46	148 05	1091

Local time base cor. 2.50 (cm/sec). Data begins 0704:48.9 U. T. Data ends 0710:12.7 U. T.

Remarks

SATELLITE 1958 ALPHA

Station Tokyo

Record No. T-4-C

Date 5 Feb. 1958 U. T.

Data Reader M. Thornwall

Data Checker M. Van Meter

Data Quality B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0908 27.6	11.42	17.0	47.6	32 53	132 12	900
0908 38.1	5.80	7.5	41.4	32 57	132 54	890
0908 47.0	11.17	14.5	41.5	33 00	133 30	882
0908 57.3	3.86	5.5	45.6	33 04	134 11	873
0909 15.2	12.07	15.0	39.8	33 09	135 24	856
0909 26.8	11.52	15.0	41.7	33 12	136 12	846
0909 38.3	11.62	16.0	44.1	33 15	136 59	836
0909 49.9	11.93	15.0	40.2	33 17	137 47	825
0910 00.0	8.73	11.0	40.3	33 20	138 28	816
0910 13.9	4.61	6.0	41.6	33 21	139 26	804
0910 23.1	1.95	2.5	41.0	33 22	140 04	796
0910 29.8	5.70	6.5	36.5	33 22	140 32	791
0910 40.4	10.52	14.0	42.6	33 23	141 16	781
0910 51.4	11.60	15.0	41.4	33 24	142 04	772
0911 03.1	5.89	7.0	38.0	33 25	142 51	762
0911 27.0	3.81	6.5	54.6	33 23	144 33	742
0911 37.4	10.76	14.0	41.6	33 23	145 17	733
0912 18.5	6.43	8.0	39.8	33 16	148 12	700

Local time base cor. 0.998 (cm/sec). Data begins 0908:22.0 U. T. Data ends 0912:21.8 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-5-A

Date: 5 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1110 15.7	10.37	14.0	43.2	31 47	132 41	567
1110 26.4	10.97	15.5	45.2	31 38	133 27	560
1110 35.3	6.91	9.0	41.7	31 31	134 05	554
1110 42.6	5.13	7.5	46.8	31 26	134 36	549
1110 52.5	5.07	6.5	41.0	31 18	135 19	543
1111 21.2	5.03	7.0	44.5	30 52	137 21	526
1111 31.4	4.12	5.5	42.7	30 42	138 05	519
1111 44.5	2.77	4.0	46.2	30 30	139 01	512
1111 59.9	3.51	4.0	36.5	30 15	140 07	503
1112 17.2	4.05	5.0	39.5	29 56	141 19	493
1112 25.4	9.09	11.5	40.5	29 47	141 54	489
1112 34.2	7.55	9.5	40.3	29 37	142 31	484
1112 41.4	4.70	6.0	40.9	29 29	143 01	480
1112 49.2	5.26	6.5	39.5	29 20	143 34	476
1112 54.0	4.29	5.5	41.0	29 15	143 54	474
1113 02.0	1.67	2.0	38.3	29 05	144 27	469
1113 10.0	3.61	4.0	35.5	28 55	145 01	466

Local time base cor. 1.003 (cm/sec). Data begins 1110:10.5 U. T. Data ends 1113:11.8 U. T.

Remarks

SATELLITE 1958 ALPHA

Station Tokyo

Record No. T-5-B

Date 5 Feb. 1958 U. T.

Data Reader M. Thornwall

Data Checker M. Van Meter

Data Quality C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1312 39.3	1.45	2.0	44.1	21 39	134 34	372
1312 51.8	8.00	11.0	44.0	21 16	135 22	369
1313 01.1	3.54	5.0	45.2	20 59	135 57	367
1313 07.7	2.94	3.5	38.1	20 46	136 21	366
1313 12.1	2.10	3.0	45.7	20 38	136 38	366
1313 21.1	2.74	4.0	46.7	20 21	137 11	365
1313 30.8	2.72	3.5	41.2	20 02	137 47	364
1313 48.5	1.52	2.0	42.1	19 28	138 52	361

Local time base cor. 1.000 (cm/sec). Data begins 1312:38.6 U. T. Data ends 1313:49.2 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Data Reader: M. Thornwall

Record No.: T-5-C

Data Checker: M. Van Meter

Date: 6 Feb. 1958 U. T.

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0600 39.6	.57	26.0	1460.0	23 38	137 31	1608
0600 47.3	1.13	50.0	1420.0	23 47	137 51	1600
0600 51.8	1.19	48.0	1290.0	23 53	138 04	1596
0600 54.6	1.48	59.0	1280.0	23 56	138 11	1593
0600 58.8	2.13	93.5	1400.0	24 02	138 23	1589
0601 01.2	1.37	67.0	1560.0	24 04	138 29	1587
0601 05.6	2.44	114.0	1500.0	24 10	138 42	1583
0601 13.7	4.59	234.5	1630.0	24 19	139 04	1575
0601 18.1	2.85	149.0	1670.0	24 25	139 17	1571
0601 20.6	1.50	89.0	1900.0	24 28	139 24	1568
0601 23.8	4.84	266.5	1760.0	24 32	139 33	1565
0601 29.6	2.50	139.0	1780.0	24 39	139 49	1559
0601 32.5	3.22	183.5	1820.0	24 42	139 57	1556
0601 36.7	2.27	124.5	1760.0	24 47	140 09	1552
0601 43.3	1.60	92.5	1850.0	24 55	140 27	1546
0601 47.6	2.09	119.5	1830.0	25 00	140 39	1542
0601 50.5	1.18	72.0	1950.0	25 04	140 47	1539
0601 56.4	4.26	269.0	2020.0	25 11	141 04	1533
0602 01.2	1.45	93.5	2060.0	25 16	141 17	1528
0602 11.8	2.45	165.5	2160.0	25 29	141 48	1518
0602 14.6	1.44	94.5	2100.0	25 32	141 56	1515
0602 20.2	5.61	377.5	2150.0	25 38	142 13	1510
0602 25.3	1.58	107.5	2180.0	25 44	142 27	1505
0602 29.6	1.84	127.0	2210.0	25 49	142 40	1500
0602 36.1	1.11	74.0	2130.0	25 57	142 59	1494
0602 53.8	2.16	149.0	2210.0	26 17	143 50	1477
0603 00.5	1.10	75.5	2200.0	26 25	144 10	1470
0603 07.7	2.30	159.0	2210.0	26 32	144 31	1463

Local time base cor. 9.99 (cm/sec). Data begins 0600:39.3 U. T. Data ends 0603:51.1 U. T.

Remarks: Page 1 of 2.

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-5-C

Date: 6 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0603 11.6	2.24	151.5	2160.0	26 37	144 43	1459
0603 14.2	1.51	103.0	2180.0	26 39	144 51	1456
0603 18.2	1.29	87.5	2170.0	26 44	145 03	1452
0603 25.5	3.07	192.0	2000.0	26 52	145 25	1445
0603 32.1	2.61	165.5	2030.0	26 59	145 45	1439
0603 36.7	1.92	111.5	1860.0	27 04	145 59	1434
0603 43.5	2.41	153.0	2030.0	27 11	146 19	1427
0603 50.0	2.17	131.0	1930.0	27 18	146 39	1421

Local time base cor. 9.99 (cm/sec). Data begins 0600:39.3 U. T. Data ends 0603.51.1 U. T.

Remarks: Page 2 of 2.

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-5-D

Date: 6 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0802 34.0	9.43	16.5	56.0	30 59	130 36	1192
0802 39.8	2.13	4.0	60.1	31 03	130 56	1186
0802 47.4	8.92	15.0	53.8	31 09	131 23	1179
0802 56.1	4.91	8.0	52.1	31 15	131 53	1170
0803 04.8	8.79	13.0	47.3	31 23	132 24	1161
0803 32.1	7.61	12.0	50.5	31 50	134 03	1134
0803 44.9	11.19	18.0	51.5	32 03	134 49	1121
0803 56.0	11.02	17.0	49.4	32 14	135 30	1110
0804 07.1	11.19	18.0	51.5	32 02	136 11	1099
0804 14.4	3.42	5.5	51.5	32 06	136 38	1092
0804 21.7	9.00	14.0	49.8	32 10	137 05	1085
0804 31.6	10.98	16.5	48.1	32 15	137 42	1075
0804 41.6	8.20	12.5	48.8	32 21	138 20	1065
0804 51.4	3.98	5.5	44.2	32 26	138 57	1056
0804 58.8	3.01	4.0	42.5	32 30	139 24	1049
0805 05.7	4.41	6.5	47.2	32 33	139 51	1042
0805 16.6	5.34	9.0	53.9	32 38	140 33	1032
0805 29.8	3.81	6.0	50.4	32 44	141 24	1019
0805 39.7	11.78	18.0	48.9	32 48	142 02	1009
0805 48.6	3.09	4.5	46.6	32 52	142 36	1001
0805 55.3	8.46	11.5	43.5	32 55	143 02	994
0806 05.4	8.92	13.5	48.4	32 59	143 41	984
0806 42.7	1.61	2.5	49.7	33 09	146 09	949
0806 48.0	4.75	7.0	47.2	33 11	146 30	944
0806 56.9	8.83	12.5	45.3	33 13	147 05	936
0807 07.7	4.06	6.5	51.2	33 15	147 48	926
0807 14.8	3.38	5.0	47.3	33 16	148 17	919

Local time base cor. 0.996 (cm/sec). Data begins 0802:29.4 U. T. Data ends 0807:16.4 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-6-A

Date: 6 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1005 25.5	11.58	16.5	45.6	33 03	133 09	746
1005 36.9	11.11	15.0	43.2	32 59	133 57	736
1005 44.3	3.90	6.0	49.2	32 56	134 28	730
1006 11.6	4.09	5.5	43.0	32 45	136 23	708
1006 21.7	11.56	15.0	41.5	32 40	137 06	699
1006 33.3	11.77	16.0	43.5	32 34	137 55	690
1006 44.8	11.23	16.0	45.6	32 28	138 44	681
1006 56.1	11.56	15.0	41.5	32 22	139 31	672
1007 07.5	11.34	15.0	42.3	32 15	140 20	663
1007 18.9	11.27	16.0	45.4	32 07	141 08	655
1007 30.3	11.46	17.0	47.5	31 59	141 56	646
1007 47.2	11.82	17.0	46.0	31 48	143 07	633
1007 58.7	11.09	15.0	43.3	31 40	143 56	625
1008 17.1	1.04	2.0	61.5	31 25	145 13	612
1008 25.8	4.24	5.5	41.5	31 18	145 49	606
1008 32.7	3.98	5.0	40.2	31 12	146 18	601

Local time base cor. 0.999 (cm/sec). Data begins 1005:19.8 U. T. Data ends 1008:34.7 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-6-B

Date: 6 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1205 46.1	9.64	15.0	49.8	28 40	127 17	512
1206 04.6	6.48	9.0	44.4	28 17	128 33	501
1206 13.5	11.20	15.5	44.3	28 05	129 09	496
1206 24.1	10.09	13.5	42.8	27 51	129 52	490
1206 36.6	9.40	16.0	54.5	27 34	130 42	484
1206 59.1	5.00	6.5	41.6	27 04	132 13	472
1207 05.1	6.91	11.0	50.9	26 55	132 37	469
1207 12.1	7.14	9.5	42.6	26 45	133 05	465
1207 19.1	2.99	4.5	48.2	26 35	133 33	462
1207 27.6	10.09	16.0	50.7	26 22	134 07	458
1207 39.1	12.94	17.0	42.0	26 05	134 53	452
1207 50.5	10.04	15.0	47.8	25 48	135 38	447
1208 01.3	11.49	17.0	47.3	25 32	136 18	442
1208 12.7	11.29	16.0	45.3	25 13	136 37	437
1208 23.9	10.95	16.0	46.8	24 55	136 55	433
1208 34.9	10.94	16.0	46.8	24 37	137 13	428
1208 43.7	6.74	9.5	45.1	24 33	137 27	424
1208 51.7	5.77	7.5	41.6	24 10	137 40	421
1209 00.2	8.95	12.5	44.7	23 56	140 12	418
1209 09.3	4.81	7.5	49.9	23 40	140 46	414

Local time base cor. 1.001 (cm/sec). Data begins 1205:41.3 U. T. Data ends 1209:11.7 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-6-C

Date: 7 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0658 05.4	.96	7.0	233.0	29 39	135 48	1403
0658 12.0	1.13	7.0	198.0	29 44	136 09	1397
0658 15.4	.84	5.0	190.0	29 47	136 20	1394
0658 19.4	1.72	11.5	214.0	29 50	136 33	1390
0658 22.0	2.18	12.0	176.0	29 53	136 42	1387
0658 26.4	1.91	12.0	201.0	29 56	136 56	1383
0658 29.2	1.08	6.0	178.0	29 59	137 05	1380
0658 33.6	2.19	11.5	168.0	30 03	137 20	1375
0658 40.6	1.96	9.0	147.0	30 09	137 43	1368
0658 47.9	2.20	11.5	167.0	30 15	138 06	1361
0658 55.4	2.97	13.0	140.0	30 21	138 31	1353
0659 03.5	3.52	13.0	118.0	30 28	138 58	1345
0659 09.9	1.56	5.5	113.0	30 32	139 16	1340
0659 11.7	3.72	12.5	108.0	30 34	139 26	1337
0659 18.5	2.14	8.0	120.0	30 39	139 49	1330
0659 25.6	4.45	14.5	104.0	30 44	140 13	1323
0659 39.1	2.24	7.5	107.0	30 54	140 58	1320
0659 43.0	2.49	8.0	103.0	30 57	141 11	1306
0659 46.0	2.39	8.0	107.0	31 00	141 22	1303
0659 50.2	2.47	7.0	90.7	31 03	141 36	1298
0659 53.1	1.38	4.0	92.8	31 05	141 46	1295
0659 56.9	2.40	7.0	93.3	31 08	141 59	1292
0700 04.4	2.39	7.0	93.7	31 13	142 24	1284
0700 11.7	2.95	7.5	81.4	31 18	142 50	1277

Local time base cor. 2.50 (cm/sec). Data begins 0658:04.9 U. T. Data ends 0700:13.2 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-6-D

Date: 7 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1102 12.8	1.61	2.5	49.7	29 51	133 40	612
1102 34.2	8.43	12.0	45.6	29 27	135 07	597
1102 40.2	3.59	55.0	49.0	29 21	135 31	593
1102 50.3	7.33	10.5	45.8	29 10	136 13	585
1102 59.5	10.99	16.0	46.6	29 00	136 50	579
1103 08.9	7.86	11.0	44.8	28 48	137 28	573
1103 23.6	1.77	3.0	54.2	28 29	138 27	563
1103 36.6	3.29	5.0	48.6	28 13	139 19	555
1103 44.9	2.94	4.5	49.0	28 03	139 52	549
1103 57.7	4.88	6.5	42.6	27 47	140 44	541

Local time base cor. 1.003 (cm/sec). Data begins 1102:12.0 U. T. Data ends 1104:00.2 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Tokyo

Record No.: T-7-A

Date: 8 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: M. Van Meter

Data Quality: C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0753 00.6	.68	2.0	94.1	31 56	127 55	1340
0753 03.7	1.16	2.5	69.0	31 58	128 06	1337
0753 06.7	1.32	3.5	84.8	32 00	128 16	1334
0753 11.2	1.44	3.5	77.8	32 02	128 32	1329
0753 18.1	1.22	3.0	78.7	32 06	128 56	1322
0753 22.7	3.39	7.5	70.8	32 08	129 12	1318
0753 25.3	1.87	4.5	77.0	32 09	129 22	1315
0753 28.9	2.81	7.0	79.7	32 11	129 34	1311
0753 32.0	.70	1.5	68.6	32 13	129 45	1308
0753 36.0	1.09	3.0	88.1	32 15	129 59	1304
0754 29.5	1.35	3.5	83.0	32 40	133 09	1251
0754 33.0	1.66	3.5	67.5	32 42	133 22	1247
0754 40.2	7.79	16.0	65.7	32 45	133 48	1240
0754 46.5	4.72	10.0	67.8	32 47	134 10	1233
0754 52.7	5.28	11.0	66.7	32 50	134 33	1227
0754 59.9	4.52	9.0	63.7	32 53	134 59	1220
0755 05.7	2.82	5.0	56.7	32 55	135 20	1214
0755 59.0	1.81	3.5	61.9	33 11	138 27	1161
0756 11.1	5.19	11.0	67.8	33 13	139 23	1149
0756 20.3	1.51	3.5	74.2	33 15	139 57	1140
0756 27.2	1.64	4.0	78.0	33 16	140 23	1133
0756 30.2	1.77	3.5	63.3	33 17	140 35	1130
0756 34.2	2.03	4.0	63.7	33 17	140 50	1126
0756 37.1	.98	2.5	81.6	33 18	141 01	1123
0756 42.9	3.56	7.5	67.4	33 19	141 23	1117
0758 15.3	3.54	7.0	63.3	33 23	147 18	1027
0758 22.8	2.25	4.0	56.9	33 22	147 47	1019

Local time base cor. 1.001 (cm/sec). Data begins 0753:00.2 U. T. Data ends 0758:23.9 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Fort Stewart

Record No.: C-2-2

Date: 2 Feb. 1958 U. T.

Data Reader: M. Thornwall, M. Sipe

Data Checker: K. Atit

Data Quality: C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0247 54.4	8.33	8.5	32.7	31 50	- 84 25	408
0248 08.2	1.38	2.0	46.4	31 39	- 83 37	403
0248 13.1	4.70	5.0	34.0	31 34	- 83 15	402
0248 23.3	5.71	6.5	36.4	31 25	- 82 20	399
0248 34.0	9.46	10.0	33.8	31 16	- 81 42	396
0248 42.6	7.72	9.0	37.3	31 08	- 81 03	393
0248 51.1	5.81	7.0	38.6	31 01	- 80 25	390
0249 03.0	8.02	7.5	29.9	30 52	- 79 32	387
0249 14.9	3.31	3.5	33.8	30 37	- 78 39	384

Local time base cor. 0.982 (cm/sec). Data begins 0247:50.3 U. T. Data ends 0249:16.5 U. T.

Remarks: Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, M. Sipe

Record No.: C-3-1

Data Checker: K. Atit

Date: 2 Feb. 1958 U. T.

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2140 18.4	2.89	17.0	188.0	23 51	- 79 31	1190
2140 27.6	11.88	56.5	152.0	24 03	- 79 03	1180
2140 38.8	10.37	46.5	143.0	24 18	- 78 28	1170
2140 45.5	3.05	14.0	147.0	24 27	- 78 08	1170
2140 50.9	6.82	29.0	136.0	24 34	- 77 51	1160
2140 59.4	9.18	36.5	127.0	24 45	- 77 25	1150
2141 11.1	8.18	36.0	141.0	25 00	- 76 47	1140
2141 16.6	2.32	11.0	152.0	25 08	- 76 30	1140
2141 31.6	8.18	38.0	149.0	25 27	- 75 41	1120
2141 37.7	1.33	6.5	156.0	25 35	- 75 22	1110
2141 44.8	7.81	37.0	152.0	25 44	- 74 59	1110
2141 51.2	4.99	26.0	167.0	25 53	- 74 38	1100
2141 58.1	6.31	32.0	162.0	26 02	- 74 96	1090
2141 05.3	6.55	30.5	149.0	26 11	- 73 52	1090
2142 11.5	4.33	20.5	152.0	26 18	- 73 32	1080
2142 15.1	2.01	8.5	135.0	26 23	- 73 20	1080
2142 19.0	2.30	11.0	153.0	26 27	- 73 07	1070
2142 39.8	6.47	37.0	183.0	26 53	- 71 57	1050
2142 44.5	1.38	9.5	220.0	26 59	- 71 42	1050
2142 55.9	1.84	13.0	226.0	27 13	- 71 04	1040
2143 02.9	1.83	13.0	227.0	27 21	- 70 40	1030

Local time base cor. 0.967 (cm/sec). Data begins 2140:17.0 U. T. Data ends 2143:03.8 U. T.

Remarks: Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, M. Sipe

Record No.: C-3-2

Data Checker: K. Atit

Date: 2 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2343 19.9	11.75	28.0	76.3	32 20	- 79 03	741
2343 31.8	12.02	32.0	85.2	32 26	- 78 14	731
2343 43.7	11.91	34.0	91.4	32 33	- 77 24	721
2343 55.7	12.14	38.0	100.0	32 40	- 76 34	711
2344 06.6	9.67	27.5	91.0	32 45	- 75 48	702
2344 13.5	2.10	6.0	91.4	32 47	- 75 18	697
2344 21.0	1.44	4.5	100.0	32 50	- 74 46	691
2344 26.2	5.73	18.5	103.0	32 52	- 74 24	687
2344 31.4	2.70	8.5	101.0	32 55	- 74 02	683
2344 34.9	2.31	7.5	104.0	32 56	- 73 47	680
2344 38.4	2.06	6.5	101.0	32 57	- 73 32	677
2344 42.2	1.33	4.5	108.0	32 59	- 73 16	674
2344 59.9	1.20	3.5	93.3	33 06	- 72 00	660
2345 03.0	1.83	5.5	96.2	33 07	- 71 47	658
2345 06.4	2.11	6.5	98.6	33 07	- 71 32	656
2345 10.1	1.55	5.0	103.0	33 08	- 71 16	653
2345 13.3	1.22	3.5	91.8	33 09	- 71 02	650
2345 16.7	1.44	4.5	100.0	33 10	- 70 47	648
2345 19.9	.46	1.5	104.0	33 11	- 70 33	646

Local time base cor. 2.46 (cm/sec). Data begins 2341:43 U. T. Data ends 2345:20.1 U. T.

Remarks: Time base interpolated. Beginning of tape not reduced. See Havana D-7. See PAFB 1010.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-3-3

Data Checker: K. Atit

Date: 3 Feb. 1958 U. T.

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0143 03.6	5.13	8.5	53.0	33 15	- 86 47	532
0143 08.9	1.15	2.0	55.7	33 13	- 86 23	528
0143 12.4	1.95	2.5	41.0	33 12	- 86 07	526
0143 18.0	5.37	8.5	50.7	33 10	- 85 42	523
0143 22.7	1.54	2.5	51.9	33 08	- 85 21	520
0143 28.6	3.65	5.5	48.2	33 06	- 84 54	517
0143 42.1	5.33	7.5	45.0	33 02	- 83 54	509
0144 06.7	11.57	16.0	44.3	32 53	- 82 03	495
0144 18.6	12.13	17.0	44.8	32 46	- 81 10	489
0144 35.6	11.78	16.0	43.5	32 38	- 79 52	480
0144 47.3	11.38	16.0	45.0	32 32	- 78 59	474
0144 58.7	11.43	16.0	44.8	32 26	- 78 08	468
0145 08.2	7.70	10.5	43.6	32 19	- 77 25	463
0145 19.2	8.54	11.5	43.1	32 12	- 76 36	458
0145 26.9	6.82	9.5	44.6	32 07	- 76 01	454
0145 40.1	1.40	2.0	45.7	31 58	- 75 02	448
0145 43.4	1.79	2.5	44.7	31 55	- 74 47	447
0145 48.8	5.18	7.0	43.2	31 52	- 74 23	444
0145 53.6	1.87	2.5	42.8	31 48	- 74 02	442
0145 57.0	1.47	2.0	43.5	31 46	- 73 46	440

Local time base cor. 0.983 (cm/sec). Data begins 0143:01.0 U. T. Data ends 0145:57.7 U. T.

Remarks: Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-4-1

Data Checker: K. Atit

Date: 3 Feb. 1958 U. T.

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2030 21.3	1.56	19.5	400.0	13 12	- 88 18	1740
2030 24.3	.99	13.0	420.0	13 16	- 88 11	1740
2030 27.9	1.54	21.5	447.0	13 21	- 88 03	1740
2030 34.2	1.53	27.0	565.0	13 31	- 87 48	1730
2030 41.3	1.45	28.5	629.0	13 41	- 87 32	1730
2030 53.8	.84	21.0	800.0	14 00	- 87 03	1710
2030 56.9	.78	16.5	677.0	14 04	- 86 56	1710
2030 59.6	1.27	26.5	668.0	14 08	- 86 50	1710
2031 02.9	.87	17.5	644.0	14 13	- 86 42	1710
2031 09.6	1.43	32.0	716.0	14 23	- 86 26	1700
2032 11.1	1.17	51.5	1410.0	15 34	- 83 59	1640
	See Havana D-11					
2035 44.2	2.16	101.5	1500.0	21 01	- 74 50	1430
2035 48.3	2.23	99.0	1420.0	21 07	- 74 39	1430
2035 51.0	1.98	85.0	1370.0	21 10	- 74 31	1420
2035 55.1	2.59	108.0	1330.0	21 16	- 74 20	1420
2035 58.0	1.86	76.0	1310.0	21 20	- 74 12	1420
2036 02.0	2.21	88.5	1280.0	21 26	- 74 01	1410
2036 04.4	1.42	50.5	1140.0	21 29	- 73 55	1410
2036 09.0	3.03	110.5	1170.0	21 35	- 73 42	1410
2036 15.3	2.18	76.0	1120.0	21 44	- 73 24	1400
2036 17.2	.91	27.5	967.0	21 47	- 73 19	1400
2036 20.0	1.66	52.0	1000.0	21 51	- 73 11	1400

Local time base cor. 4.98 (cm/sec). Data begins 2030:20.5 U. T. Data ends 2036:20.8 U. T.

Remarks: See Havana D-11. Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, M. Sipe

Record No.: C-4-2

Data Checker: K. Atit

Date: 3 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2239 03.6	11.91	27.0	72.5	30 28	- 76 18	935
2239 15.5	11.86	27.0	72.8	31 09	- 75 33	924
2239 26.7	10.45	26.0	79.6	31 20	- 74 50	913
2239 34.6	5.46	12.5	73.3	31 27	- 74 19	906
2239 40.1	2.17	4.5	66.4	31 32	- 73 58	901

Local time base cor. 0.985 (cm/sec). Data begins 2235:35 U. T. Data ends 2239:41.2 U. T.

Remarks: Time base interpolated. Beginning of tape not reduced, see Havana D-12.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Record No.: C-4-3

Date: 4 Feb. 1958 U. T.

Data Reader: M. Thornwall, M. Sipe

Data Checker: K. Atit

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0037 32.9	1.66	3.5	67.5	33 04	- 90 39	745
0037 36.1	.80	1.5	60.0	33 05	- 90 25	742
0037 39.7	1.98	4.0	64.6	33 07	- 90 10	739
0037 46.9	1.84	3.5	60.9	33 09	- 89 40	733
0037 54.1	2.04	4.0	62.7	33 11	- 89 10	727
0038 00.9	1.65	3.5	67.9	33 13	- 88 41	722
0038 09.4	4.12	7.0	54.4	33 15	- 88 05	715
0038 16.2	4.15	8.0	61.7	33 16	- 87 36	710
0038 25.9	11.92	21.5	57.7	33 17	- 86 54	702
0038 37.8	12.05	23.5	62.4	33 19	- 86 03	692
0038 49.8	11.94	23.0	61.6	33 21	- 85 12	683
0038 58.6	5.69	11.5	64.7	33 23	- 84 34	676
0039 09.9	12.13	23.0	60.7	33 23	- 83 45	667
0039 22.0	11.97	24.0	64.2	33 23	- 82 52	658
0039 30.7	5.47	10.5	61.4	33 23	- 82 14	651
0039 39.5	11.58	21.0	58.0	33 23	- 81 36	645
0039 51.3	11.95	23.5	62.9	33 23	- 80 45	636
0040 02.9	11.17	21.5	61.6	33 22	- 79 54	627
0040 13.2	9.56	18.0	60.3	33 21	- 79 09	620
0040 25.8	12.04	23.0	61.1	33 18	- 78 13	611
0040 37.8	11.94	22.0	59.0	33 16	- 77 20	602
0040 48.6	9.49	16.5	55.6	33 14	- 76 32	595
0041 00.1	2.10	3.5	53.3	33 12	- 75 42	586
0041 07.1	9.46	18.0	60.9	33 10	- 75 11	582
0041 13.6	1.83	3.0	52.5	33 07	- 74 42	577
0041 17.7	1.73	3.5	64.7	33 06	- 74 24	575
0041 31.4	1.55	2.5	51.6	33 01	- 73 23	565
0041 35.0	2.25	4.5	64.0	33 00	- 73 07	562

Local time base cor. 0.980 (cm/sec). Data begins 0037:32.0 U. T. Data ends 0041:52.8 U. T.

Remarks: Page 1 of 2. Time base interpolated. Recording starts late.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, M. Sipe

Record No.: C-4-3

Data Checker: K. Atit

Date: 4 Feb. 1958 U. T.

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0041 38.6	1.88	3.5	59.6	32 58	- 72 51	561
0041 41.8	2.22	3.5	50.5	32 57	- 72 37	559
0041 45.4	1.70	3.0	56.5	32 56	- 72 21	556
0041 52.2	1.20	1.5	40.0	32 54	- 71 51	551

Local time base cor. 0.980 (cm/sec). Data begins 0037:32.0 U. T. Data ends 0041:52.8 U. T.

Remarks: Page 2 of 2. Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-5-1

Data Checker: K. Atit

Date: 4 Feb. 1958 U. T.

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0238 48.5	4.53	6.5	45.9	31 36	- 91 35	482
0239 55.1	5.06	6.0	37.9	31 32	- 91 06	478
0239 36.3	11.56	15.0	41.5	30 54	- 88 05	464
0239 44.4	4.65	6.0	41.3	30 47	- 87 29	454
0240 00.6	10.08	14.5	42.3	30 31	- 86 18	446
0240 09.7	7.28	8.5	37.4	30 21	- 85 39	442
0240 16.8	2.50	3.5	44.8	30 14	- 85 08	439
0240 25.1	11.30	15.0	42.5	30 05	- 84 33	436
0240 36.1	10.64	13.0	39.1	29 53	- 83 45	431
0240 47.1	11.24	15.5	44.1	29 41	- 82 58	427
0240 58.4	11.64	14.5	39.9	29 29	- 82 09	422
0241 10.0	11.32	14.0	39.6	29 15	- 81 20	418
0241 19.9	8.50	10.5	39.5	29 02	- 80 38	414
0241 30.0	9.28	12.0	41.4	28 50	- 79 55	410
0241 41.5	11.45	14.5	40.5	28 35	- 79 06	406
0241 49.2	3.98	5.0	40.2	28 26	- 78 34	404
0242 02.9	11.32	13.5	38.2	28 08	- 77 36	399
0242 10.7	4.33	4.5	33.3	27 57	- 77 04	397
0242 26.0	1.45	1.5	33.1	27 36	- 76 00	392
0242 29.6	1.81	2.0	35.4	27 31	- 75 45	391
0242 33.1	2.62	3.0	36.6	27 27	- 75 31	390

Local time base cor. 0.988 (cm/sec). Data begins 0238:46.2 U. T. Data ends 0242:34.4 U. T.

Remarks: Time base all interpolated and extrapolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, M. Sipe

Record No.: C-5-2

Data Checker: K. Atit

Date: 4 Feb. 1958 U. T.

Data Quality: C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1926 26.0	.44	1.5	109.0	11 40	- 79 57	1916
1926 28.5	.78	2.5	103.0	11 43	- 79 51	1914
1926 35.2	.79	3.5	142.0	11 53	- 79 37	1908
1926 53.2	.40	2.5	200.0	12 19	- 78 58	1893
1926 55.0	.86	10.0	372.0	12 22	- 78 54	1891
1926 59.7	.62	5.0	258.0	12 29	- 78 44	1887
1927 10.4	.51	3.5	220.0	12 44	- 78 20	1878
1927 17.2	.72	6.5	289.0	12 54	- 78 05	1872
1927 23.9	.75	6.0	256.0	13 03	- 77 50	1866
1927 31.7	1.14	14.5	407.0	13 14	- 77 33	1859
1927 37.7	.83	7.5	289.0	13 23	- 77 19	1854
1927 44.4	.61	7.5	393.0	13 33	- 77 05	1848
1928 09.7	.35	6.0	549.0	14 09	- 76 08	1825
1928 16.2	1.01	16.0	507.0	14 18	- 75 53	1819
1928 20.4	.43	7.5	558.0	14 25	- 75 43	1815
1928 29.9	1.30	25.5	628.0	14 38	- 75 22	1807
1928 33.8	1.60	30.0	600.0	14 44	- 75 13	1804
1928 37.4	1.22	23.5	616.0	14 49	- 75 05	1800
1928 41.1	1.68	34.0	648.0	14 55	- 74 56	1797
1928 47.9	1.69	35.5	672.0	15 04	- 74 41	1791
1928 54.7	1.68	36.5	695.0	15 14	- 74 25	1785
1929 08.6	1.66	40.5	781.0	15 34	- 73 53	1772

Local time base cor. 1924:00-1927:00, 2.43 / 1927:00-1930:00, 2.44 cm/sec). Data begins 1926:25.7 U. T. Data ends 1929:09.4 U. T.

Remarks: Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: J. Von Voltenburg

Record No.: C-5-3

Data Checker: K. Atit

Date: 4 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2129 02.7	1.40	74.0	1690.0	22 40	- 89 58	1490
2129 04.1	1.39	64.0	1470.0	22 42	- 89 54	1490
2129 06.5	1.99	97.0	1560.0	22 45	- 89 48	1480
2129 09.9	2.81	133.0	1510.0	22 50	- 89 38	1480
2129 12.8	1.53	72.5	1520.0	22 53	- 89 30	1480
2129 16.5	2.72	122.0	1440.0	22 58	- 89 20	1470
2129 20.0	2.51	111.0	1420.0	23 03	- 89 10	1470
2129 23.1	1.66	68.0	1310.0	23 07	- 89 01	1470
2129 26.8	2.48	104.0	1340.0	23 11	- 88 51	1460
2129 29.3	1.35	54.0	1280.0	23 15	- 88 43	1460
2129 30.5	.46	20.5	1430.0	23 16	- 88 40	1460
2129 30.9	.24	10.5	1400.0	23 17	- 88 39	1460
2129 35.0	5.39	205.0	1220.0	23 22	- 88 27	1450
2129 41.3	5.33	191.0	1150.0	23 30	- 88 10	1450
2129 44.2	.36	13.0	1160.0	23 34	- 88 02	1450
2129 46.5	3.17	108.0	1090.0	23 37	- 87 55	1440
2129 49.0	2.55	82.0	1030.0	23 40	- 87 48	1440
2129 53.4	4.23	142.0	1070.0	23 46	- 87 36	1440
2129 56.5	1.61	48.0	954.0	23 50	- 87 27	1440
2129 59.4	2.92	93.0	1020.0	23 53	- 87 19	1430
2130 01.4	.47	14.0	953.0	23 56	- 87 13	1430
2130 01.9	.47	16.0	1090.0	23 56	- 87 11	1430
2130 02.3	.28	9.0	1030.0	23 57	- 87 10	1430
2130 03.2	1.24	38.0	980.0	23 58	- 87 08	1430
2130 04.6	.19	6.0	1010.0	24 00	- 87 04	1430
2130 06.3	2.79	86.0	986.0	24 02	- 86 59	1420
2130 09.2	.84	26.0	990.0	24 06	- 86 50	1420
2130 10.1	.72	21.0	933.0	24 07	- 86 47	1420

Local time base cor. 4.89 (cm/sec). Data begins 2129:02.0 U. T. Data ends 2134:34.9 U. T.

Remarks: Page 1 of 4.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: J. Von Voltenburg

Record No.: C-5-3

Data Checker: K. Atit

Date: 4 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2130 12.4	1.62	49.0	968.0	24 10	- 86 41	1420
2130 13.7	.71	18.0	811.0	24 11	- 86 37	1420
2130 14.4	.45	11.0	782.0	24 12	- 86 35	1420
2130 16.3	2.50	73.0	934.0	24 14	- 86 29	1410
2130 19.2	2.30	66.0	918.0	24 18	- 86 21	1410
2130 20.7	.34	9.0	847.0	24 20	- 86 16	1410
2130 22.9	2.27	64.5	909.0	24 23	- 86 10	1410
2130 26.2	1.88	53.0	902.0	24 27	- 86 00	1400
2130 29.9	2.94	73.0	795.0	24 31	- 85 49	1400
2130 32.7	2.56	64.0	800.0	24 35	- 85 41	1400
2130 35.4	1.17	23.5	643.0	24 38	- 85 33	1390
2130 38.1	4.33	101.0	746.0	24 42	- 85 25	1390
2130 40.9	.24	6.0	800.0	24 45	- 85 17	1390
2130 41.3	.21	5.0	762.0	24 46	- 85 16	1390
2130 44.4	5.74	129.0	719.0	24 50	- 85 07	1390
2130 49.6	4.45	103.0	741.0	24 56	- 84 52	1380
2130 52.8	1.56	33.5	687.0	25 00	- 84 42	1380
2130 54.1	.72	17.0	756.0	25 02	- 84 38	1380
2130 57.3	5.34	121.0	699.0	25 06	- 84 29	1370
2131 02.2	3.13	67.0	685.0	25 12	- 84 14	1370
2131 11.1	5.59	122.0	698.0	25 22	- 83 47	1360
2131 15.8	3.15	65.0	660.0	25 27	- 83 33	1350
2131 19.0	2.47	51.0	661.0	25 31	- 83 23	1350
2131 21.1	.25	5.0	640.0	25 33	- 83 17	1350
2131 22.4	2.01	41.0	653.0	25 35	- 83 13	1350
2131 26.2	2.54	48.0	605.0	25 39	- 83 02	1340
2131 29.1	2.09	39.5	605.0	25 42	- 82 53	1340
2131 32.9	2.87	52.5	585.0	25 47	- 82 41	1340

Local time base cor. 4.89 (cm/sec). Data begins 2129:02.0 U. T. Data ends 2134:34.9 U. T.

Remarks: Page 2 of 4.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: J. Von Voltenburg

Record No.: C-5-3

Data Checker: K. Atit

Date: 4 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2131 34.5	.27	4.0	474.0	25 49	- 82 36	1330
2131 35.8	2.39	43.0	576.0	25 50	- 82 32	1330
2131 40.1	5.19	84.0	518.0	25 55	- 82 19	1330
2131 43.5	2.02	31.0	491.0	25 59	- 82 09	1330
2131 48.4	7.91	132.0	534.0	26 05	- 81 54	1330
2131 52.4	.29	3.5	386.0	26 09	- 81 42	1320
2131 59.7	14.42	232.0	515.0	26 18	- 81 20	1310
2132 08.4	2.83	48.0	543.0	26 31	- 80 53	1300
2132 13.6	6.44	106.0	527.0	26 37	- 80 36	1300
2132 20.6	6.68	107.0	513.0	26 46	- 80 14	1290
2132 25.5	2.61	43.0	527.0	26 50	- 79 59	1280
2132 29.3	3.10	51.0	526.0	26 55	- 79 47	1280
2132 32.3	2.21	39.0	565.0	26 58	- 79 37	1280
2132 37.5	5.73	95.0	531.0	27 04	- 79 21	1270
2132 50.0	17.43	275.0	505.0	27 19	- 78 41	1260
2133 03.4	8.98	137.0	488.0	27 34	- 77 59	1250
2133 10.2	1.84	30.0	522.0	27 41	- 77 37	1240
2133 12.3	2.09	30.0	459.0	27 43	- 77 30	1240
2133 14.3	1.65	26.0	537.0	27 45	- 77 23	1230
2133 24.5	18.49	306.0	530.0	27 56	- 76 50	1220
2133 37.4	6.20	111.5	575.0	28 10	- 76 07	1210
2133 40.7	.23	4.0	557.0	28 13	- 75 56	1210
2133 42.6	2.83	51.0	577.0	28 15	- 75 50	1210
2133 46.5	2.25	40.0	569.0	28 20	- 75 37	1200
2133 53.9	9.26	171.0	591.0	28 27	- 75 13	1200
2134 01.4	6.07	110.0	580.0	28 36	- 74 48	1190
2134 11.2	12.09	213.5	565.0	28 46	- 74 15	1180
2134 21.7	9.20	157.5	548.0	28 55	- 73 39	1170

Local time base cor. 4.89 (cm/sec). Data begins 2129:02.0 U. T. Data ends 2134:34.9 U. T.

Remarks: Page 3 of 4.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Record No.: C-5-3

Date: 4 Feb. 1958 U. T.

Data Reader: J. Von Voltenburg

Data Checker: K. Atit

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2134 28.1	3.71	66.0	569.0	29 02	- 73 17	1160
2134 31.7	1.65	28.5	553.0	29 05	- 73 05	1160
2134 33.9	1.87	35.5	607.0	29 07	- 72 57	1160

Local time base cor. 4.89 (cm/sec). Data begins 2129:02.0 U. T. Data ends 2134:34.9 U. T.

Remarks: Page 4 of 4.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Record No.: C-6-1

Date: 4 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: K. Atit

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2332 06.1	1.43	9.5	213.0	31 29	- 92 13	1002
2332 09.6	1.24	8.5	219.0	31 31	- 91 59	999
2332 12.9	1.35	10.0	237.0	31 34	- 91 47	996
2332 19.8	2.32	19.0	262.0	31 38	- 91 20	989
2332 50.0	1.43	12.0	269.0	31 58	- 89 25	960
2332 52.9	2.48	19.5	252.0	32 00	- 89 14	957
2332 56.0	2.28	19.0	267.0	32 02	- 89 02	954
2332 59.6	2.35	19.5	266.0	32 05	- 88 49	951
2333 02.5	2.46	19.0	247.0	32 06	- 88 37	948
2333 06.1	2.96	25.5	276.0	32 08	- 88 23	945
2333 09.3	1.85	14.5	251.0	32 10	- 88 11	942
2333 12.5	2.05	15.5	242.0	32 12	- 87 58	939
2333 22.6	1.90	14.0	236.0	32 17	- 87 18	929
2333 32.3	1.85	15.5	268.0	32 23	- 86 40	920
2333 39.2	1.99	17.0	273.0	32 27	- 86 13	914
2333 44.3	5.36	44.5	266.0	32 29	- 85 53	909
2333 50.3	5.05	41.5	263.0	32 33	- 85 30	904
2333 56.1	2.43	22.0	290.0	32 36	- 85 07	898
2333 59.1	1.36	12.5	294.0	32 38	- 84 56	895
2334 03.8	6.08	49.5	261.0	32 40	- 84 37	891
2334 09.2	2.88	24.5	272.0	32 42	- 84 15	886
2334 17.1	4.74	41.0	277.0	32 45	- 83 43	879
2334 32.9	2.38	20.0	269.0	32 51	- 82 39	865
2334 40.0	2.02	17.5	277.0	32 54	- 82 11	858
2334 42.9	2.19	20.5	300.0	32 55	- 81 59	855
2334 46.8	2.13	20.5	308.0	32 57	- 81 43	852
2334 50.0	1.79	16.5	295.0	32 58	- 81 30	849
2334 53.7	2.05	18.0	281.0	32 59	- 81 15	846

Local time base cor. 2.42 (cm/sec). Data begins 2332:05.4 U. T. Data ends 2337:29.3 U. T.

Remarks: Page 1 of 2. Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-6-1

Data Checker: K. Atit

Date: 4 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2335 00.7	2.16	20.5	304.0	33 02	- 80 47	839
2335 03.7	2.22	20.0	288.0	33 03	- 80 35	837
2335 07.8	2.83	23.5	266.0	33 04	- 80 18	832
2335 26.7	14.08	121.5	276.0	33 09	- 79 00	816
2335 48.7	19.60	167.0	273.0	33 15	- 77 29	797
2336 08.2	19.36	163.0	269.0	33 19	- 76 07	780
2336 20.6	5.44	43.0	253.0	33 20	- 75 15	770
2336 32.4	1.72	13.5	251.0	33 21	- 74 25	760
2336 35.7	2.11	18.0	273.0	33 22	- 74 11	757
2336 39.3	2.98	23.5	252.0	33 22	- 73 56	754
2336 42.9	2.91	22.5	247.0	33 22	- 73 41	751
2336 46.3	2.76	21.0	243.0	33 23	- 73 27	748
2336 49.4	1.55	13.5	279.0	33 23	- 73 14	745
2336 53.5	.86	5.5	205.0	33 23	- 72 56	742
2337 10.5	1.55	11.5	237.0	33 23	- 71 44	728
2337 14.9	2.04	13.5	212.0	33 23	- 71 25	724
2337 17.9	2.42	21.0	278.0	33 23	- 71 12	722
2337 21.3	1.39	9.5	219.0	33 23	- 70 58	719
2337 24.3	1.71	12.0	225.0	33 23	- 70 45	716
2337 28.6	1.36	8.0	188.0	33 23	- 70 27	713

Local time base cor. 2.42 (cm/sec). Data begins 2332:05.4 U. T. Data ends 2337:29.3 U. T.

Remarks: Page 2 of 2. Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-6-2

Data Checker: K. Atit

Date: 5 Feb. 1958 U. T.

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0134 10.9	2.22	8.0	115.0	32 57	- 90 42	626
0134 13.7	1.95	7.5	126.0	32 56	- 90 29	624
0134 18.1	2.70	10.0	119.0	32 54	- 90 10	621
0134 20.7	1.90	7.5	126.0	32 53	- 89 59	619
0134 25.7	4.82	19.5	129.0	32 51	- 89 37	616
0134 30.9	2.40	9.5	127.0	32 49	- 89 15	612
0134 47.9	1.30	5.5	135.0	32 41	- 88 01	600
0134 51.1	2.41	10.5	139.0	32 40	- 87 47	598
0134 54.3	2.59	10.5	130.0	32 38	- 87 33	595
0134 57.8	3.31	13.5	131.0	32 37	- 87 18	592
0135 04.7	9.65	36.5	121.0	32 33	- 86 48	588
0135 17.7	7.39	25.0	108.0	32 25	- 85 51	579
0135 27.2	11.67	41.0	112.0	32 19	- 85 10	573
0135 38.6	11.07	36.0	104.0	32 12	- 84 20	565
0135 46.7	5.28	16.0	97.0	32 06	- 83 45	560
0135 57.6	11.47	33.0	92.1	32 00	- 82 57	553
0136 12.3	9.92	26.5	85.5	31 48	- 81 54	544
0136 28.7	3.43	8.0	74.6	31 36	- 80 43	534
0136 46.5	10.99	23.0	67.0	31 22	- 79 26	523

Local time base cor. 0.991 (cm/sec). Data begins 0134:09.7 U. T. Data ends 0136:52.0 U. T.

Remarks: Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-6-3

Data Checker: K. Atit

Date: 5 Feb. 1958 U. T.

Data Quality: C

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0337 44.5	5.61	6.0	34.2	23 22	- 83 46	375
0337 51.2	5.06	5.0	31.6	23 10	- 83 19	373
0038 00.0	8.26	8.0	31.0	22 55	- 82 45	371
0038 08.5	4.65	4.5	31.0	22 40	- 82 13	370

Local time base cor. 0.982 (cm/sec). Data begins 1337:41.7 U. T. Data ends 0038:10.9 U. T.

Remarks: Time base interpolated and extrapolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-7-3

Data Checker: K. Atit

Date: 5 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2228 01.8	1.18	31.0	841.0	30 26	- 86 14	1190
2228 08.6	1.94	49.0	808.0	30 32	- 85 50	1180
2228 15.8	9.74	253.5	833.0	30 38	- 85 24	1170
2228 25.7	10.09	263.0	834.0	30 46	- 84 49	1160
2228 35.7	10.00	255.0	816.0	30 54	- 84 14	1150
2228 45.2	9.04	233.0	825.0	31 01	- 83 40	1140
2228 52.0	4.01	102.0	814.0	31 07	- 83 16	1140
2228 55.2	1.55	42.0	867.0	31 09	- 83 05	1130
2229 07.3	6.30	166.0	843.0	31 18	- 82 21	1120
2229 11.4	1.49	38.5	827.0	31 21	- 82 07	1120
2229 12.9	1.40	38.5	880.0	31 22	- 82 01	1120
2229 19.1	10.34	271.5	840.0	31 26	- 81 38	1110
2229 25.5	2.63	65.5	797.0	31 30	- 81 15	1100
2229 30.2	6.33	149.5	806.0	31 34	- 80 57	1100
2229 37.1	6.72	168.0	800.0	31 38	- 80 32	1090
2229 43.3	5.14	124.0	772.0	31 42	- 80 09	1090
2229 52.5	10.16	246.0	775.0	31 49	- 79 26	1080
2229 59.1	3.09	71.5	740.0	31 53	- 79 11	1070
2230 04.2	6.83	162.0	759.0	31 56	- 78 52	1070
2230 10.3	5.30	121.5	734.0	32 00	- 78 29	1060
2230 2[illegible].3	6.64	147.0	708.0	32 02	- 77 35	1050
2230 29.[illegible]	2.83	62.0	712.0	32 11	- 77 17	1040
2230 31.[illegible]	6.31	128.5	702.0	32 14	- 76 58	1040
2230 [illegible]	3.25	[illegible]	655.0	32 17	- 76 37	[illegible]
2230 42.[illegible]	3.49	57.5	688.0	32 18	- 76 26	1030
2230 46.[illegible]	3.00	54.0	683.0	32 20	- 76 12	[illegible]
2230 50.0	8.08	153.0	630.0	32 24	- 75 37	[illegible]
2231 05.[illegible]	10.44	200.5	615.0	32 30	- 75 01	[illegible]

Local time base cor. 5.09 (cm/sec). Data begins 2228:01.2 U. T. Data ends 2231:34.8 U. T.

Remarks: Page 1 of 2.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-7-3

Data Checker: K. Atit

Date: 5 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2231 13.3	5.49	104.0	606.0	32 34	- 74 30	998
2231 21.2	7.68	141.5	590.0	32 37	- 74 00	991
2231 28.8	6.13	110.0	574.0	32 40	- 73 31	984
2231 33.7	2.22	35.5	512.0	32 43	- 73 11	979

Local time base cor. 5.09 (cm/sec). Data begins 2228:01.2 U. T. Data ends 2231:34.8 U. T.

Remarks: Page 2 of 2.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Record No.: C-7-4

Date: 6 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: K. Atit

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0021 41.0	2.74	1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0022 43.5	2.17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0022 55.1	2.21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0023 03.1	2.02	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0023 14.1	1.99	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0023 28.3	2.24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0023 36.4	11.35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0023 47.7	12.89	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0023 56.6	8.70	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0024 05.[illegible]	2.04	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0024 17.2	11.30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0024 28.7	11.23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0024 40.4	12.04	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0024 52.[illegible]	12.17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0025 04.5	11.84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0025 16.4	11.91	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0025 28.3	11.88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0025 40.3	11.86	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0025 49.0	8.23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0025 [illegible].3	11.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0026 13.3	2.22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0026 15.2	2.11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Local time base cor. 4.90 (cm/sec). Data begins 0029:40.8 U. T. Data ends 0033:36.3 U. T.

Remarks: Time base interpolated and extrapolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-8-1

Data Checker: K. Atit

Date: 6 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0231 50.4	3.67	5.0	43.6	32 54	-121 56	778
0232 52.7	11.61	16.0	44.1	27 13	- 86 39	457
0233 04.2	11.42	16.5	46.2	26 57	- 81 52	451
0233 15.8	11.76	16.0	43.5	26 40	- 81 06	446
0233 27.6	11.78	15.5	42.1	26 22	- 80 19	441
0233 39.4	11.74	16.0	43.6	26 05	- 79 31	436
0233 50.9	11.58	16.0	44.2	25 48	- 78 45	431
0234 02.7	11.77	15.0	40.8	25 30	- 77 58	426

Local time base cor. 0.985 (cm/sec). Data begins 0231:48.6 U. T. Data ends 0234:08.5 U. T.

Remarks: Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, M. Sipe

Record No.: C-8-2

Data Checker: K. Atit

Date: 6 Feb. 1958 U. T.

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1916 56.3	1.87	31.5	539.0	14 34	- 82 52	2040
1917 04.2	2.12	30.5	460.0	14 45	- 82 35	2030
1917 08.2	1.45	19.0	419.0	14 50	- 82 26	2030
1917 11.5	1.65	22.5	436.0	14 55	- 82 19	2030
1917 15.3	1.99	29.0	466.0	15 00	- 82 11	2030
1917 18.8	1.73	26.5	490.0	15 04	- 87 03	2020
1917:20.0 to 1921:08.0 see Havana D-25						
1921 10.0	1.65	89.5	1740.0	20 12	- 73 14	1830
1921 14.2	2.85	167.5	1880.0	20 17	- 73 03	1820
1921 17.1	1.37	75.5	1760.0	20 21	- 72 56	1820
1921 21.5	2.80	170.0	1940.0	20 27	- 72 45	1820
1921 29.9	4.86	293.0	1930.0	20 37	- 72 25	1810
1921 35.2	5.73	357.5	2000.0	20 44	- 72 12	1810
1921 40.1	3.97	242.5	1950.0	20 50	- 72 00	1800
1921 45.1	4.37	281.0	2060.0	20 57	- 71 48	1800
1921 51.6	2.29	143.0	2000.0	21 05	- 71 32	1790
1921 58.9	2.10	135.0	2060.0	21 15	- 71 14	1780
1922 05.9	1.70	107.0	2010.0	21 23	- 70 56	1780
1922 10.1	1.86	112.0	1930.0	21 29	- 70 45	1770
1922 13.0	1.41	82.0	1860.0	21 32	- 70 38	1770
1922 17.4	1.24	67.5	1740.0	21 38	- 70 27	1770

Local time base cor. 4.85 (cm/sec). Data begins 1916:55.4 U. T. Data ends 1922:18.0 U. T.

Remarks

SATELLITE 1958 ALPHA

Station: Fort Stewart

Record No.: C-8-3

Date: 6 Feb. 1958 U. T.

Data Reader: M. Thornwall, J. Quinn

Data Checker: M. Sipe

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2120 17.5	2.55	133.0	1670.0	25 33	- 90 52	1590
2120 24.8	2.30	118.0	1640.0	25 41	- 90 31	1590
2120 28.5	2.98	151.5	1630.0	25 45	- 90 21	1580
2120 33.9	6.72	339.0	1610.0	25 51	- 90 05	1580
2120 44.3	5.93	291.5	1570.0	26 03	- 89 36	1570
2120 51.5	5.85	275.0	1500.0	26 11	- 89 15	1560
2121 01.5	11.44	519.0	1450.0	26 23	- 88 47	1550
2121 13.2	11.89	537.0	1450.0	26 35	- 88 12	1540
2121 21.4	4.62	184.0	1270.0	26 44	- 87 48	1530
2121 23.6	6.62	263.5	1270.0	26 52	- 87 27	1520
2121 45.7	2.04	83.0	1300.0	27 10	- 86 36	1510
2121 50.9	6.55	237.0	1160.0	27 15	- 86 21	1500
2121 56.1	2.87	107.0	1190.0	27 21	- 86 06	1500
2122 01.2	5.48	202.0	1180.0	27 26	- 85 50	1490
2122 08.2	5.26	195.0	1190.0	27 33	- 85 29	1480
2122 18.7	11.81	401.0	1090.0	27 44	- 84 57	1470
2122 30.5	11.85	385.0	1040.0	27 56	- 84 20	1460
2122 42.5	12.01	350.0	933.0	28 08	- 83 44	1450
2122 53.6	6.37	175.5	882.0	28 19	- 83 10	1440
2123 01.2	6.37	176.0	884.0	28 27	- 82 46	1430
2123 11.3	6.65	170.0	818.0	28 37	- 82 14	1420
2123 21.1	11.94	291.0	780.0	28 46	- 81 43	1410
2123 33.0	11.82	277.0	750.0	28 57	- 81 06	1400
2123 44.9	11.85	262.0	708.0	29 09	- 80 28	1390
2123 56.7	11.93	257.0	689.0	29 20	- 79 50	1380
2124 08.2	10.97	232.0	677.0	29 30	- 79 13	1370
2124 16.1	4.83	95.0	629.0	29 37	- 78 47	1360
2124 29.4	11.65	225.5	619.0	29 48	- 78 03	1340

Local time base cor. 4.97 (cm/sec). Data begins 2120:16.3 U. T. Data ends 2126:18.3 U. T.

Remarks: Page 1 of 2. Time base interpolated and extrapolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Record No.: C-8-3

Date: 6 Feb. 1958 U. T.

Data Reader: M. Thornwall, J. Quinn

Data Checker: M. Sipe

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2124 41.5	11.86	219.0	591.0	29 59	- 77 24	1330
2124 55.3	8.71	159.0	584.0	30 11	- 76 38	1320
2125 03.4	6.54	124.0	607.0	30 18	- 76 11	1310
2125 10.1	6.05	115.0	608.0	30 23	- 75 49	1300
2125 16.9	6.21	115.0	593.0	30 28	- 75 26	1300
2125 26.4	11.82	215.0	582.0	30 36	- 74 53	1290
2125 38.3	11.89	223.0	600.0	30 45	- 74 13	1270
2125 50.2	11.87	205.0	553.0	30 54	- 73 29	1260
2126 02.0	11.84	209.0	565.0	31 03	- 72 52	1250
2126 13.1	10.37	177.0	546.0	31 34	- 72 14	1240

Local time base cor. 4.97 (cm/sec). Data begins 2120:16.3 U. T. Data ends 2126:18.3 U. T.

Remarks: Page 2 of 2. Time base interpolated and extrapolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, M. Sipe

Record No.: C-9-1

Data Checker: K. Atit

Date: 6 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2323 37.2	1.12	7.5	214.0	32 42	- 91 45	1090
2323 45.2	3.91	25.5	209.0	32 46	- 91 15	1080
2323 52.8	3.92	24.5	200.0	32 49	- 90 46	1080
2324 25.0	6.48	43.0	212.0	33 00	- 88 43	1040
2324 33.5	9.79	73.5	240.0	33 03	- 88 10	1040
2324 45.1	11.92	89.0	239.0	33 06	- 87 25	1030
2324 57.0	11.90	93.0	250.0	33 10	- 86 40	1010
2325 08.9	11.86	95.0	256.0	33 13	- 85 53	1000
2325 20.8	11.86	94.0	254.0	33 15	- 85 06	991
2325 32.6	11.65	90.0	247.0	33 17	- 84 20	980
2325 44.3	11.75	90.0	245.0	33 19	- 83 34	968
2325 54.7	8.85	65.0	235.0	33 21	- 82 53	958
2326 05.0	11.85	89.0	240.0	33 22	- 82 12	949
2326 13.6	5.34	40.0	240.0	33 22	- 81 37	941
2326 19.8	6.32	46.0	233.0	33 23	- 81 12	935
2326 26.6	6.45	46.5	231.0	33 23	- 80 45	928
2326 33.5	6.49	48.0	237.0	33 23	- 80 17	922
2326 40.3	6.25	44.5	228.0	33 23	- 79 49	916
2326 49.8	11.89	80.0	215.0	33 24	- 79 11	907
2327 01.6	11.81	78.0	211.0	33 24	- 78 23	896
2327 13.5	11.91	75.0	202.0	33 23	- 77 35	885
2327 25.4	11.75	71.0	193.0	33 21	- 76 47	874
2327 37.2	11.83	74.0	200.0	33 20	- 75 59	863
2327 47.8	9.39	53.0	181.0	33 19	- 75 16	854
2327 56.0	6.26	36.0	184.0	33 18	- 74 42	849
2328 01.2	2.34	12.0	164.0	33 18	- 74 21	841
2328 12.1	1.87	10.0	171.0	33 15	- 73 36	832
2328 15.7	2.79	15.0	172.0	33 14	- 73 21	829

Local time base cor. 2.47 (cm/sec). Data begins 2323:36.7 U. T. Data ends 2328:33.9 U. T.

Remarks: Time base interpolated and extrapolated. Page 1 of 2.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, M. Sipe

Record No.: C-9-1

Data Checker: K. Atit

Date: 6 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2328 19.3	2.63	13.5	164.0	33 13	- 73 06	825
2328 23.0	2.61	14.0	172.0	33 12	- 72 51	822
2328 26.3	2.26	11.0	156.0	33 11	- 72 37	819
2328 29.6	.95	4.5	152.0	33 10	- 72 24	816
2328 33.2	1.36	6.0	141.0	33 09	- 72 09	813

Local time base cor. 2.47 (cm/sec). Data begins 2323:36.7 U. T. Data ends 2328:33.9 U. T.

Remarks: Time base interpolated and extrapolated. Page 2 of 2.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, S. Clendenning

Record No.: C-9-2

Data Checker: K. Atit

Date: 7 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0125 41.1	1.36	5.5	129.0	32 05	- 91 30	701
0125 45.0	2.65	11.5	139.0	32 02	- 91 14	698
0125 48.4	2.03	9.5	150.0	32 00	- 91 00	695
0125 52.6	2.40	10.5	140.0	31 58	- 90 43	692
0125 55.4	1.64	7.0	137.0	31 56	- 90 31	690
0125 59.5	2.35	11.0	150.0	31 53	- 90 14	686
0126 28.6	5.64	20.0	113.0	31 31	- 88 13	664
0126 35.5	5.57	18.5	106.0	31 25	- 87 44	658
0126 42.6	5.55	19.0	110.0	31 20	- 87 15	653
0126 59.9	11.81	40.0	108.0	31 06	- 86 02	640
0127 10.3	9.01	29.0	103.0	30 56	- 85 19	632
0127 17.1	4.43	15.0	108.0	30 50	- 84 51	627
0127 27.5	11.88	35.0	94.3	30 40	- 84 08	620
0127 39.2	11.56	33.0	91.3	30 29	- 83 20	611
0127 47.2	4.33	12.5	92.4	30 21	- 82 47	605
0127 55.8	11.92	31.5	84.6	30 13	- 82 11	599
0128 05.7	7.88	19.0	77.2	30 03	- 81 31	592
0128 13.0	2.33	6.0	82.4	29 54	- 81 01	587
0128 22.1	11.68	26.0	71.2	29 45	- 80 24	581
0128 31.7	7.65	15.0	62.7	29 34	- 79 45	575
0128 42.0	11.58	23.0	63.6	29 23	- 79 02	568
0128 52.6	9.63	19.0	63.1	29 11	- 78 19	561
0129 03.5	11.73	22.5	61.4	28 59	- 77 35	553
0129 13.6	8.53	14.5	54.4	28 46	- 76 54	547
0129 32.3	11.55	18.0	49.9	28 23	- 75 38	536
0129 40.4	4.80	8.5	56.7	28 13	- 75 05	531
0129 58.2	5.48	8.0	46.7	27 50	- 73 53	519
0130 08.0	10.96	16.0	46.7	27 37	- 73 14	514

Local time base cor. 0.986 (cm/sec). Data begins 0125:40.4 U. T. Data ends 0130:20.4 U. T.

Remarks: Page 1 of 2. Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, S. Clendenning

Record No.: C-9-2

Data Checker: K. Atit

Date: 7 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0130 17.0	6.96	10.0	46.0	27 24	- 72 38	539

Local time base cor. 0.986 (cm/sec). Data begins 0125:40.4 U. T. Data ends 0130:20.4 U. T.

Remarks: Page 2 of 2. Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: J. Von Voltenburg

Record No.: C-10-2

Data Checker: K. Atit

Date: 7 Feb. 1958 U. T.

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
1811 32.1	1.54	10.0	208.0	11 46	- 76 19	2228
1811 35.6	2.14	13.0	194.0	11 50	- 76 12	2226
1811 42.8	1.94	12.0	198.0	12 00	- 75 58	2221
1811 49.5	.71	5.0	225.0	12 09	- 75 45	2217
1811 54.0	1.37	9.0	210.0	12 15	- 75 36	2214
1811 57.2	1.25	10.0	256.0	12 19	- 75 30	2212
1812 08.5	.89	5.5	198.0	12 34	- 75 07	2205
1812 16.0	1.45	13.0	287.0	12 44	- 74 51	2200
1812 30.9	2.26	26.0	368.0	13 04	- 74 22	2190
1812 34.9	1.79	20.0	358.0	13 10	- 74 13	2187
1812 38.4	1.57	20.0	408.0	13 14	- 74 06	2185
1812 42.6	1.54	16.5	34.3	13 20	- 73 57	2182
1812 45.9	2.12	25.5	385.0	13 24	- 73 51	2179
1812 50.0	1.27	14.0	353.0	13 30	- 73 42	2177
1812 52.7	1.18	15.5	420.0	13 33	- 73 37	2175
1812 56.9	1.95	24.5	402.0	13 39	- 73 28	2172
1813 00.3	1.47	20.0	435.0	13 43	- 73 21	2170
1813 03.9	1.61	24.0	424.0	13 48	- 73 14	2167
1813 11.5	1.73	25.0	462.0	13 58	- 72 58	2162
1813 33.1	1.94	35.0	577.0	14 27	- 72 13	2147
1813 48.2	1.70	33.0	621.0	14 47	- 71 42	2136
1813 55.0	1.14	23.5	660.0	14 56	- 71 27	2131
1814 02.7	1.25	24.5	627.0	15 07	- 71 10	2126

Local time base cor. 2.46 (cm/sec). Data begins 1811:31.3 U. T. Data ends 1814:03.3 U. T.

Remarks: Time base interpolated and extrapolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-10-3

Data Checker: K. Atit

Date: 7 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2012 53.4	1.01	99.5	1760.0	20 26	- 90 56	1942
2013 01.3	1.68	93.5	1780.0	20 36	- 90 47	1935
2013 08.8	1.73	98.0	1810.0	20 45	- 90 29	1929
2013 13.0	1.12	61.5	1760.0	20 50	- 90 19	1925
2013 16.2	1.93	114.5	1900.0	20 54	- 90 11	1923
2013 20.3	1.80	101.5	1800.0	20 59	- 90 01	1919
2013 27.7	2.33	139.0	1910.0	21 08	- 89 44	1913
2013 31.4	1.25	74.0	1890.0	21 13	- 89 35	1910
2013 34.9	2.15	130.0	1930.0	21 17	- 89 26	1907
2013 42.7	2.26	143.0	2020.0	21 27	- 89 08	1900
2013 46.7	1.59	103.5	2080.0	21 32	- 88 58	1897
2013 50.4	1.57	105.5	2150.0	21 36	- 88 49	1893
2014 05.0	1.62	106.5	2100.0	21 54	- 88 14	1881
2014 16.9	2.24	143.0	2040.0	22 09	- 87 44	1870
2014 24.5	1.44	95.0	2110.0	22 18	- 87 25	1864
2014 31.7	2.07	139.0	2150.0	22 27	- 87 07	1858
2014 38.9	2.24	152.0	2170.0	22 35	- 86 49	1851
2014 43.0	1.47	97.0	2110.0	22 40	- 86 38	1848
2014 47.0	1.65	107.0	2080.0	22 45	- 86 28	1844
2014 58.0	2.25	145.0	2060.0	22 59	- 86 01	1834
2015 01.3	1.42	89.0	2010.0	23 03	- 85 53	1832
2015 05.9	1.66	106.0	2040.0	23 08	- 85 41	1827
2015 08.8	1.86	120.0	2060.0	23 11	- 85 33	1825
2015 13.3	1.50	93.5	1990.0	23 17	- 85 22	1821
2015 16.7	1.32	81.0	1960.0	23 20	- 85 13	1818
2015 35.5	2.98	184.0	1980.0	23 42	- 84 25	1801
2015 38.6	2.77	164.5	1900.0	23 46	- 84 17	1798
2015 57.8	2.14	118.5	1770.0	24 08	- 83 28	1781

Local time base cor. 4.84 (cm/sec). Data begins 2012:52.5 U. T. Data ends 2020:23.6 U. T.

Remarks: Page 1 of 3. Time base interpolated and extrapolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-10-3

Data Checker: K. Atit

Date: 7 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2016 05.1	1.31	70.0	1710.0	24 17	- 83 08	1774
2016 09.4	2.50	131.5	1680.0	24 22	- 82 57	1770
2016 13.0	2.57	136.0	1690.0	24 26	- 81 47	1767
2016 16.8	2.56	132.5	1660.0	24 30	- 81 37	1763
2016 20.5	2.99	154.0	1650.0	24 34	- 81 27	1760
2016 24.8	1.43	75.0	1680.0	24 39	- 81 16	1756
2016 28.1	2.76	140.5	1630.0	24 43	- 81 07	1753
2016 31.8	2.87	144.0	1610.0	24 47	- 80 57	1749
2016 35.4	2.68	135.0	1610.0	24 51	- 80 48	1746
2016 39.3	2.95	144.0	1560.0	24 56	- 80 37	1743
2016 42.8	2.74	133.0	1550.0	25 00	- 80 28	1739
2016 46.6	2.71	128.5	1520.0	25 04	- 80 18	1736
2016 49.8	2.40	115.0	1530.0	25 07	- 80 09	1733
2016 53.8	2.64	125.0	1520.0	25 12	- 79 59	1729
2016 56.9	1.63	76.0	1490.0	25 15	- 79 50	1726
2017 01.6	2.74	120.0	1400.0	25 21	- 80 38	1722
2017 04.5	2.20	99.0	1440.0	25 24	- 80 30	1779
2017 08.8	2.71	116.0	1370.0	25 29	- 80 18	1715
2017 11.7	1.83	79.0	1380.0	25 32	- 80 10	1713
2017 16.4	3.31	141.0	1360.0	25 37	- 79 57	1708
2017 19.6	1.98	79.0	1280.0	25 41	- 79 48	1705
2017 23.8	3.42	137.0	1280.0	25 45	- 79 36	1701
2017 27.1	3.16	125.5	1270.0	25 49	- 79 27	1698
2017 31.1	2.45	94.0	1230.0	25 53	- 79 16	1694
2017 39.0	2.77	107.5	1240.0	26 02	- 78 54	1687
2017 42.8	2.82	111.0	1260.0	26 06	- 78 44	1683
2017 48.1	7.01	265.0	1210.0	26 12	- 78 29	1678
2017 55.4	6.51	234.5	1150.0	26 20	- 78 09	1671

Local time base cor. 4.84 (cm/sec). Data begins 2012:52.5 U. T. Data ends 2020:23.6 U. T.

Remarks: Page 2 of 3. Time base interpolated and extrapolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-10-3

Data Checker: K. Atit

Date: 7 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2018 00.6	2.41	88.0	1170.0	26 26	- 77 54	1667
2018 04.4	2.75	98.5	1150.0	26 30	- 77 43	1663
2018 08.2	2.54	89.5	1130.0	26 33	- 77 33	1659
2018 12.0	3.12	106.5	1090.0	26 37	- 77 22	1656
2018 15.2	2.27	79.5	1120.0	26 41	- 77 13	1653
2018 19.1	2.24	75.0	1070.0	26 45	- 77 02	1649
2018 29.5	1.51	51.0	1080.0	26 55	- 76 32	1639
2018 35.6	5.99	186.0	994.0	27 02	- 76 15	1633
2018 42.5	5.99	179.0	956.0	27 09	- 75 55	1626
2018 49.9	6.61	196.0	949.0	27 17	- 75 34	1619
2018 55.5	4.14	118.0	912.0	27 22	- 75 18	1614
2019 03.1	10.37	294.0	907.0	27 30	- 74 56	1607
2019 13.8	10.37	283.0	873.0	27 41	- 74 24	1596
2019 32.7	10.58	283.0	856.0	27 59	- 73 28	1578
2019 42.1	6.68	174.0	834.0	28 08	- 73 00	1569
2019 49.1	6.63	170.0	821.0	28 15	- 72 39	1562
2019 56.4	6.70	175.5	838.0	28 22	- 72 18	1555
2020 03.6	6.51	171.0	841.0	28 29	- 71 56	1548
2020 10.8	6.30	168.0	853.0	28 36	- 71 34	1541
2020 20.2	1.82	49.0	862.0	28 45	- 71 05	1532
2020 23.0	1.22	33.5	879.0	28 47	- 70 56	1529

Local time base cor. 4.84 (cm/sec). Data begins 2012:52.5 U. T. Data ends 2020:23.6 U. T.

Remarks: Page 3 of 3. Time base interpolated and extrapolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-11-1

Data Checker: K. Atit

Date: 7 Feb. 1958 U. T.

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2216 55.3	1.54	17.5	364.0	30 20	- 94 25	1430
2217 02.4	1.43	14.5	324.0	30 26	- 94 02	1430
2217 06.4	1.67	18.5	354.0	30 29	- 93 49	1420
2217 10.0	1.92	22.5	375.0	30 32	- 93 37	1420
2217 14.2	1.79	21.5	384.0	30 35	- 93 23	1410
2217 17.4	2.37	27.0	365.0	30 37	- 93 12	1410
2217 21.3	1.93	22.5	373.0	30 40	- 92 59	1410
2217 24.8	1.68	20.0	381.0	30 43	- 92 48	1400
2217 28.3	2.00	26.0	416.0	30 45	- 92 36	1400
2217 31.9	1.47	19.5	424.0	30 48	- 92 24	1400
2217 35.8	1.51	19.0	403.0	30 51	- 92 11	1390
2217 43.3	1.75	22.0	402.0	30 56	- 91 46	1380

Local time base cor. 2.46 (cm/sec). Data begins 2216:54.6 U. T. Data ends 2224:30 U. T.

Remarks: End of tape not reduced. See Blossom Point BP-14 III, Havana D-31.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Record No.: C-11-2

Date: 8 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: K. Atit

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0019 42.3	2.41	9.0	120.0	33 20	- 93 56	964
0019 49.5	2.90	11.0	121.0	33 19	- 93 47	957
0019 56.6	1.44	6.0	133.0	33 18	- 93 19	950
0020 03.8	1.28	5.0	125.0	33 17	- 92 51	943
0020 29.8	1.01	4.5	143.0	33 11	- 91 06	919
0020 38.5	2.85	25.0	281.0	33 08	- 90 31	911
0020 43.9	2.91	12.0	132.0	33 07	- 90 10	906
0020 47.0	1.95	9.5	157.0	33 06	- 89 57	903
0020 51.4	3.14	13.5	138.0	33 05	- 89 40	899
0020 54.5	2.13	9.5	143.0	33 04	- 89 27	896
0020 58.2	1.95	9.0	148.0	33 03	- 89 12	893
0021 12.8	2.47	11.5	149.0	32 58	- 88 13	879
0021 29.3	5.29	21.0	127.0	32 52	- 87 07	864
0021 35.3	4.45	18.5	133.0	32 49	- 86 43	859
0021 45.4	2.22	8.5	123.0	32 46	- 86 02	850
0021 50.6	4.37	18.0	132.0	32 44	- 85 41	845
0021 57.9	5.98	25.0	134.0	32 41	- 85 11	838
0022 04.8	6.99	28.0	128.0	32 37	- 84 43	832
0022 10.0	2.61	10.0	123.0	32 35	- 84 22	827
0022 21.4	10.28	40.0	125.0	32 28	- 83 36	817
0022 27.9	2.75	10.0	116.0	32 25	- 83 10	812
0022 31.7	3.00	11.0	117.0	32 23	- 82 54	809
0022 43.1	11.40	41.5	116.0	32 16	- 82 07	798
0022 51.6	5.65	20.5	116.0	32 12	- 81 33	791
0023 01.9	11.61	41.0	113.0	32 06	- 80 51	782
0023 15.4	4.10	16.0	125.0	31 56	- 79 57	770
0023 27.2	11.12	38.5	111.0	31 48	- 79 09	760
0023 35.2	4.35	14.0	92.4	31 42	- 78 36	754

Local time base cor. 2.45 (cm/sec). Data begins 0019:41.1 U. T. Data ends 0025:24.1 U. T.

Remarks: Page 1 of 2. Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Record No.: C-11-2

Date: 8 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: K. Atit

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0023 47.1	11.69	37.0	101.0	31 33	- 77 48	743
0023 58.8	11.80	34.5	93.6	31 25	- 77 01	734
0024 09.7	10.19	26.5	83.2	31 16	- 76 17	725
0024 18.7	7.76	19.5	80.4	31 08	- 75 40	717
0024 35.1	8.63	23.0	85.3	30 54	- 74 34	704
0024 41.7	4.59	10.5	73.2	30 48	- 74 07	699
0024 46.8	2.97	6.0	64.6	30 43	- 73 46	695
0025 08.9	2.45	5.0	65.3	30 23	- 72 17	677
0025 12.2	1.85	3.5	60.5	30 20	- 72 04	675
0025 15.7	2.49	5.5	70.7	30 16	- 71 50	672
0025 19.2	1.75	3.5	64.0	30 12	- 71 36	669
0025 23.1	1.98	3.5	56.6	30 09	- 71 20	666

Local time base cor. 2.45 (cm/sec). Data begins 0019:41.1 U. T. Data ends 0025:24.1 U. T.

Remarks: Page 2 of 2. Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Record No.: C-12-1

Date: 8 Feb. 1958 U. T.

Data Reader: M. Thornwall

Data Checker: K. Atit

Data Quality: B

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0222 44.6	2.23	3.0	43.0	27 05	- 90 11	561
0222 51.3	2.28	3.5	49.1	26 56	- 89 45	556
0222 59.5	4.28	8.0	59.8	26 45	- 89 13	551

Local time base cor. 0.980 (cm/sec). Data begins 0222:43.5 U. T. Data ends 0225:55 U. T.

Remarks: End of tape not reduced. See Havana D-32.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, S. Clendenning

Record No.: C-12-3

Data Checker: J. Quinn

Date: 8 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2111 08.3	1.49	67.0	1270.0	28 02	- 91 40	1704
2111 12.4	1.71	64.5	1210.0	28 06	- 91 29	1700
2111 21.1	2.58	98.0	1220.0	28 13	- 91 07	1693
2111 24.3	1.92	69.5	1160.0	28 16	- 90 58	1690
2111 28.3	2.66	96.0	1160.0	28 19	- 90 46	1686
2111 31.9	2.62	94.0	1190.0	28 23	- 90 35	1683
2111 35.0	2.61	93.0	1140.0	28 26	- 90 25	1679
2111 38.3	2.21	79.5	1150.0	28 30	- 90 14	1676
2111 41.7	2.01	108.0	1150.0	28 33	- 90 04	1673
2111 44.4	2.02	103.5	1130.0	28 36	- 89 53	1669
2111 48.1	2.05	112.5	1120.0	28 40	- 89 43	1666
2111 51.0	2.86	99.5	1110.0	28 43	- 89 33	1662
2111 53.4	2.97	102.0	1130.0	28 47	- 89 22	1659
2111 57.0	2.89	100.5	1110.0	28 50	- 89 11	1655
2112 00.6	2.81	98.0	1120.0	28 53	- 89 00	1652
2112 03.1	2.69	94.0	1120.0	28 56	- 88 50	1648
2112 11.2	2.79	95.0	1090.0	28 59	- 88 39	1645
2112 15.5	2.48	84.5	1090.0	29 02	- 88 27	1641
2112 18.0	2.62	92.0	1080.0	29 05	- 88 17	1638
2112 21.3	2.88	100.5	1040.0	29 11	- 87 55	1631
2113 06.0	1.47	35.5	773.0	30 17	- 83 51	1567
2113 09.2	1.37	45.5	779.0	30 19	- 83 40	1561
2113 52.8	2.75	46.0	758.0	30 22	- 83 29	1554
2113 56.0	3.00	72.0	768.0	30 25	- 83 18	1547
2113 59.4	3.16	73.0	739.0	30 28	- 83 07	1540
2114 03.5	3.43	80.5	751.0	30 31	- 82 56	1537
2114 07.2	3.26	74.0	731.0	30 33	- 82 51	1533
2114 15.2	12.22	265.0	705.0	30 39	- 82 33	1526

Local time base cor. 4.94 (cm/sec). Data begins 2111:09.0 U. T. Data ends 2118:10 U. T.

Page 1 of 3.

Remarks: Time base interpolated. End of tape not reduced. See Blossom Point BP-15, Havana D-34.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, S. Clendenning

Record No.: C-12-3

Data Checker: J. Quinn

Date: 8 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2114 26.4	10.31	218.0	677.0	30 47	- 82 08	1514
2114 33.0	2.75	58.0	675.0	30 52	- 81 54	1508
2114 36.3	3.20	65.0	650.0	30 54	- 81 47	1504
2114 40.1	3.03	62.5	660.0	30 57	- 81 38	1501
2114 43.4	2.85	57.5	646.0	30 59	- 81 31	1494
2114 50.9	2.82	54.5	618.0	31 04	- 81 14	1490
2114 54.3	2.99	62.0	664.0	31 07	- 81 07	1487
2114 57.9	2.65	55.0	664.0	31 09	- 79 59	1483
2115 05.1	2.71	58.0	685.0	31 14	- 79 37	1476
2115 08.8	2.99	64.5	690.0	31 17	- 79 30	1472
2115 12.3	3.03	65.0	686.0	31 19	- 79 13	1469
2115 15.7	2.76	59.5	690.0	31 21	- 79 02	1465
2115 19.5	2.50	56.0	717.0	31 23	- 78 49	1462
2115 23.3	2.60	58.5	720.0	31 26	- 78 37	1458
2115 28.3	6.72	142.5	679.0	31 28	- 78 20	1453
2115 33.3	2.55	53.5	671.0	31 32	- 78 04	1448
2115 37.4	2.55	54.5	684.0	31 35	- 77 50	1444
2115 42.6	6.62	140.5	679.0	31 38	- 77 33	1439
2115 49.6	6.74	137.5	653.0	31 42	- 77 09	1432
2115 54.9	2.85	60.5	679.0	31 45	- 76 52	1426
2116 03.8	6.15	128.5	669.0	31 57	- 76 22	1417
2116 19.1	3.80	79.5	669.0	31 59	- 75 30	1402
2116 22.6	2.70	56.0	664.0	32 01	- 75 18	1399
2116 26.6	3.00	62.0	661.0	32 03	- 75 04	1395
2116 31.7	6.73	138.0	656.0	32 06	- 74 47	1389
2116 38.7	6.60	134.0	650.0	32 10	- 74 23	1382
2116 45.7	6.70	137.0	654.0	32 13	- 73 59	1375
2116 52.7	6.69	136.0	651.0	32 17	- 73 35	1368

Local time base cor. 4.94 (cm/sec). Data begins 2111:09.0 U. T. Data ends 2118:10 U. T.

Page 2 of 3.

Remarks: Time base interpolated. End of tape not reduced. See Blossom Point BP-15.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall, S. Clendenning

Record No.: C-12-3

Data Checker: J. Quinn

Date: 8 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2116 59.6	6.52	132.0	648.0	32 21	- 73 11	1362
2117 06.6	6.64	136.5	638.0	32 23	- 72 48	1355
2117 13.6	6.37	126.0	633.0	32 27	- 72 23	1347
2117 18.4	2.12	41.0	619.0	32 29	- 72 06	1343

Local time base cor. 4.94 (cm/sec). Data begins 2111:09.0 U. T. Data ends 2118:10 U. T.

Page 3 of 3.

Remarks: Time base interpolated. End of tape not reduced. See Blossom Point BP-15.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-13-1

Data Checker: K. Atit

Date: 8 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2314 17.8	2.07	9.5	147.0	33 14	- 93 09	1220
2314 21.3	1.89	8.5	144.0	33 15	- 92 56	1210
2314 24.6	2.36	11.0	149.0	33 15	- 92 44	1210
2314 27.9	2.17	9.5	140.0	33 16	- 92 32	1210
2314 31.2	1.84	9.0	157.0	33 16	- 92 20	1200
2314 34.8	1.78	8.0	144.0	33 17	- 92 06	1200
2314 37.7	1.94	9.5	157.0	33 17	- 91 56	1200
2314 41.2	1.83	9.0	157.0	33 18	- 91 43	1190
2315 01.6	2.16	9.5	141.0	33 21	- 90 27	1170
2315 04.8	2.43	10.5	138.0	33 21	- 90 15	1170
2315 12.4	10.97	51.0	149.0	33 22	- 89 46	1160
2315 23.3	11.00	51.0	148.0	33 22	- 89 05	1150
2315 34.3	11.03	52.0	151.0	33 23	- 88 23	1140
2315 45.3	10.89	50.0	147.0	33 23	- 87 42	1130
2315 56.2	11.05	51.0	148.0	33 24	- 87 00	1120
2316 07.2	10.90	55.0	161.0	33 23	- 86 18	1110
2316 18.1	10.88	55.0	162.0	33 22	- 85 37	1100
2316 29.0	11.05	58.0	168.0	33 22	- 84 55	1090
2316 40.1	11.03	59.0	171.0	33 21	- 84 12	1080
2316 51.1	11.11	60.0	173.0	33 20	- 83 30	1060
2317 02.2	11.03	58.0	168.0	33 19	- 82 47	1050
2317 13.0	10.69	53.0	159.0	33 16	- 82 06	1040
2317 23.8	10.98	57.0	166.0	33 14	- 81 24	1030
2317 34.9	11.08	63.0	182.0	33 11	- 80 40	1020
2317 45.9	10.97	63.0	184.0	33 09	- 79 58	1010
2317 56.8	10.79	62.0	184.0	33 07	- 79 15	1000
2318 07.7	10.99	61.0	178.0	33 03	- 78 33	990
2318 18.6	10.93	68.0	199.0	32 59	- 77 50	979

Local time base cor. 2.67 (cm/sec). Data begins 2314:16.8 U. T. Data ends 2319:55.2 U. T.

Remarks: Page 1 of 2. Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-13-1

Data Checker: K. Atit

Date: 8 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2318 29.6	11.08	69.0	199.0	32 56	- 77 07	969
2318 39.4	8.51	50.0	188.0	32 52	- 76 29	960
2318 46.7	6.13	38.0	198.0	32 50	- 76 00	953
2318 52.1	2.02	11.5	182.0	32 48	- 75 39	947
2319 04.9	1.06	5.0	151.0	32 42	- 74 49	935
2319 10.0	3.03	18.0	190.0	32 40	- 74 29	931
2319 16.3	2.01	12.0	191.0	32 37	- 74 04	925
2319 23.0	1.17	7.5	205.0	32 33	- 73 37	918
2319 54.8	.78	[illegible]	144.0	32 17	- 71 32	889

Local time base cor. 2.67 (cm/sec). Data begins 2314:16.8 U. T. Data ends 2319:55.2 U. T.

Remarks: Page 2 of 2. Time base interpolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-13-2

Data Checker: K. Atit

Date: 9 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
0116 50.7	1.88	3.5	59.6	30 42	- 92 04	780
0116 59.8	5.58	10.5	60.2	30 34	- 91 28	771
0117 05.3	1.56	3.0	61.5	30 29	- 91 06	767
0117 08.7	1.88	3.5	59.6	30 25	- 91 53	764
0117 35.2	5.58	10.5	60.2	29 59	- 89 09	742
0117 43.8	9.17	16.0	55.8	29 51	- 88 34	735
0117 51.7	6.66	12.0	57.7	29 43	- 88 03	728
0118 10.5	11.62	19.5	53.7	29 23	- 86 50	713
0118 22.2	11.84	19.5	52.7	29 10	- 86 04	703
0118 34.1	11.87	20.0	53.9	28 56	- 85 18	694
0118 45.8	11.53	20.0	55.5	28 43	- 84 32	684
0118 57.5	11.91	20.5	55.1	28 30	- 83 47	675
0119 09.3	11.71	19.5	53.3	28 15	- 83 01	666
0119 21.0	11.79	19.0	51.6	28 00	- 82 16	657
0119 32.9	11.94	19.5	52.3	27 45	- 81 30	648
0119 44.7	11.76	18.5	50.3	27 30	- 80 45	639
0119 56.5	11.73	18.5	50.5	27 14	- 79 59	630
0119 08.1	11.63	19.0	52.3	26 54	- 79 15	622
0120 19.9	11.90	18.5	49.7	26 42	- 78 30	613
0120 31.8	11.90	18.5	49.7	26 25	- 77 45	605
0120 42.3	9.25	14.0	48.4	26 11	- 77 05	597
0121 05.0	3.58	6.0	53.6	25 38	- 75 38	581
0121 11.9	4.99	8.5	54.5	25 28	- 75 12	577

Local time base cor. 0.988 (cm/sec). Data begins 0116:49.7 U. T. Data ends 0121:14.5 U. T.

Remarks: Time base interpolated and extrapolated.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-14-2

Data Checker: K. Atit

Date: 9 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2209 55.2	2.36	35.5	522.0	32 55	- 86 16	1400
2209 58.9	3.10	54.0	557.0	32 57	- 86 04	1390
2210 02.6	2.93	40.0	535.0	32 58	- 85 51	1390
2210 05.8	2.28	38.5	540.0	32 59	- 85 40	1380
2210 09.7	3.01	43.5	516.0	33 00	- 85 26	1380
2210 12.9	2.71	45.5	537.0	33 00	- 85 15	1370
2210 16.7	2.77	44.0	508.0	33 01	- 85 01	1370
2210 24.1	2.99	47.0	503.0	33 03	- 84 35	1370
2210 27.3	2.52	40.5	514.0	33 04	- 84 24	1360
2210 31.3	3.10	50.0	516.0	33 05	- 84 10	1360
2210 34.7	2.77	42.0	485.0	33 06	- 83 58	1360
2210 38.5	2.91	44.5	489.0	33 07	- 83 45	1350
2210 41.5	2.03	31.5	497.0	33 08	- 83 34	1350
2210 45.7	2.80	41.5	474.0	33 09	- 83 19	1340
2210 53.0	1.42	21.0	473.0	33 11	- 82 54	1340
2211 07.8	3.00	44.0	491.0	33 14	- 82 01	1320
2211 11.2	2.44	35.5	466.0	33 14	- 81 49	1320
2211 14.7	2.95	44.0	477.0	33 15	- 81 36	1310
2211 18.1	3.15	45.0	457.0	33 15	- 81 24	1310
2211 21.8	2.89	41.5	460.0	33 16	- 81 11	1310
2211 25.6	2.53	35.5	449.0	33 16	- 80 57	1300
2211 31.0	6.70	99.5	451.0	33 17	- 80 37	1300
2211 36.1	2.81	38.5	438.0	33 18	- 80 19	1290
2211 40.1	1.08	29.5	477.0	33 18	- 80 05	1290
2211 43.5	2.84	41.0	462.0	33 19	- 79 52	1290
2211 47.0	3.01	43.0	457.0	33 19	- 79 40	1280
2211 52.5	6.44	89.5	445.0	33 20	- 79 20	1280
2211 59.6	6.77	93.5	442.0	33 21	- 78 54	1270

Local time base cor. 2.45 (cm/sec). Data begins 2209:54.1 U. T. Data ends 2215:05 U. T.

Page 1 of 2.

Remarks: Time base obtained by comparison with Blossom Point. End of tape not reduced. See Blossom Point BP-16.

SATELLITE 1958 ALPHA

Station: Fort Stewart

Data Reader: M. Thornwall

Record No.: C-14-2

Data Checker: K. Atit

Date: 9 Feb. 1958 U. T.

Data Quality: A

Nominal Time (U.T.)	Time Interval (sec)	Count (cycles)	Rate (counts/sec)	Geographic Latitude	Geographic Longitude	Height (km)
2212 06.8	6.61	92.5	448.0	33 21	- 78 28	1260
2212 13.8	6.74	91.5	434.0	33 21	- 78 02	1250
2212 19.2	2.85	38.5	432.0	33 21	- 77 42	1250
2212 22.7	3.16	42.5	430.0	33 22	- 77 29	1250
2212 26.2	3.45	45.5	422.0	33 22	- 77 16	1240
2212 29.8	2.56	32.5	406.0	33 22	- 77 03	1240
2212 33.6	2.76	36.0	417.0	33 22	- 76 49	1240
2212 36.9	2.97	39.5	426.0	33 22	- 76 37	1230

Local time base cor. 2.45 (cm/sec). Data begins 2209:54.1 U. T. Data ends 2215:05 U. T.

Remarks: Page 2 of 2.
Time base obtained by comparison with Blossom Point. End of tape not reduced. See Blossom Point BP-16.