

**NASA Technical Memorandum 101653**

**ISCCP CX Observations  
During the FIRE/SRB Wisconsin Experiment  
From October 14 Through November 2, 1986**

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and Ken L. Bell**

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DURING THE FIRE/SRB WISCONSIN EXPERIMENT  
FROM OCTOBER 14 THROUGH NOVEMBER 2, 1986  
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by

Charles H. Whitlock,\* Stuart R. LeCroy,\*\* William B. Rossow,\*\*\*  
and Ken L. Bell\*\*\*\*

SUMMARY

Maps and tables are presented which show 45 satellite-derived physical, radiation, or cloud parameters from ISCCP CX tapes during the FIRE/SRB Wisconsin experiment region from October 14 through November 2, 1986. Pixel locations selected for presentation are for an area which coincided with a 100x100 km array of evenly-spaced ground truth sites. Area-averaged parameters derived from the ISCCP data should be consistent with area averages from the ground-truth stations.

INTRODUCTION

A field experiment was conducted in Wisconsin during October 1986 for purposes of both intensive cirrus-cloud measurements and Surface Radiation Budget (SRB) algorithm validation activities. The cirrus-cloud measurements were part of the First ISCCP (International Satellite Cloud Climatology Project) Regional Experiment (FIRE) as described by Starr<sup>1</sup>. The algorithm validation activity was the first experiment of an SRB algorithm intercomparison program based on scientific recommendations from Suttles and Ohring<sup>2</sup>. Both the FIRE and SRB experiments desire data products from GOES satellite-derived ISCCP CX tapes. It is the purpose of this document to present that data for a 100x100 km region in central Wisconsin in which there were evenly-spaced ground truth stations.

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## DATA DESCRIPTION

Figures 1 and 2 are maps showing both ground station and ISCCP CX pixel locations. The ISCCP pixel locations change slightly each month, so November locations are different than those in October. Coordinates for each pixel are given on the CX tapes. Table 1 gives station number and coordinates for each of the FIRE/SRB ground truth stations.

A total of 37 radiation and cloud parameters are available for each station every three hours from the ISCCP CX tapes. Five additional parameters are required for time and navigation information. Table 2 lists a brief description of each parameter. It should be noted that parameters 41 and 43 are directional surface albedos (bidirectional reflectances) which includes atmospheric aerosols. Rayleigh scattering, ozone and water vapor have been removed from the directional clear-sky planetary albedos. Additional description of most of the other parameters may be obtained from reference 3.

It must be noted that the ISCCP CX tape is somewhat different than an ISCCP C1 tape. The tape format is different, pixel locations have a 30 km spacing, and the final cloud/no cloud decision for each pixel is not made on the tape. Reading of the tape is complicated by the fact that there are three "shared" bytes in which the counts in those bytes have different meanings depending on whether or not the pixel is clear or cloudy. More specifically, the counts in bytes 16, 17, and 21 are multiplied by different conversion tables (supplied in the first file on the tape) to obtain different physical parameters depending on the final cloud/no cloud decision. The counts in byte 16 are converted to SURFACE TEMPERATURE (parameter 33) if the sky is clear and to CLOUD TOP TEMPERATURE (parameter 34) if clouds exist. Byte 17 converts to SURFACE PRESSURE (parameter 35) under clear skies or CLOUD TOP PRESSURE (parameter 36). Byte 21 becomes either SURFACE ALBEDO (parameter 41) or CLOUD OPTICAL DEPTH (parameter 42). (Clear sky surface albedos are averaged in time and space to obtain AVERAGE SURFACE ALBEDO (parameter 43) which is used for cloudy pixels.)

As the CX tape is read, a final cloud/no cloud decision must be made in order to properly convert bytes 16, 17, and 21. For purposes of the data presented in this document, that decision is made in the same manner as is used on the ISCCP C1 tapes. Software was created to read the CX tape which considers CLOUD CODE (parameter 11) to be only a preliminary indicator to provide statistics for cloud computations. If either the final IR THRESHOLD CODE or the VIS THRESHOLD CODE (parameters 29 and 30, respectively) have a value = 4 or 5, the pixel is considered cloudy and the counts in bytes 16, 17, and 21 are multiplied by the proper conversion tables and defined as CLOUD TOP TEMPERATURE, CLOUD TOP PRESSURE, and CLOUD OPTICAL DEPTH, respectively. Otherwise, the counts in these bytes are used to define clear-sky SURFACE TEMPERATURE, SURFACE PRESSURE, and SURFACE ALBEDO. Making the cloud/no cloud decision on the basis of threshold values = 4 or 5 means that clouds are assumed not to

exist unless either the visible or IR radiances are more than one threshold different than clear-sky radiances.

Table 3 presents the CX tape data interpreted using ISCCP C1 cloud/no cloud procedures. Parameter 5 gives a pixel location code identical to that used in figures 1 and 2 such that individual pixels on the map may be quickly located in the table 3 data. Again it should be noted that the November CX pixel locations are at a different longitude and latitude than the October observations.

#### REFERENCES

1. Starr, David O'C.: A Cirrus-Cloud Experiment: Intensive Field Observations Planned for FIRE. Bull. Amer. Meteor. Soc., vol. 68, no. 2, February 1987, pp. 119-124.
2. Suttles, J. T., and Ohring, G.: Surface Radiation Budget for Climate Applications. NASA RP-1169, 1986.
3. Rossow, W. B., Garder, L.C., Lu, P.J., and Walker, A.: International Satellite Cloud Climatology Project (ISCCP) Documentation of Cloud Data. WMO/TD-266, December 1988.

- FIRE/SRB SURFACE STATIONS
- GOES ISCCP PIXEL LOCATIONS TO BE USED WITH OCTOBER AREA AVERAGES

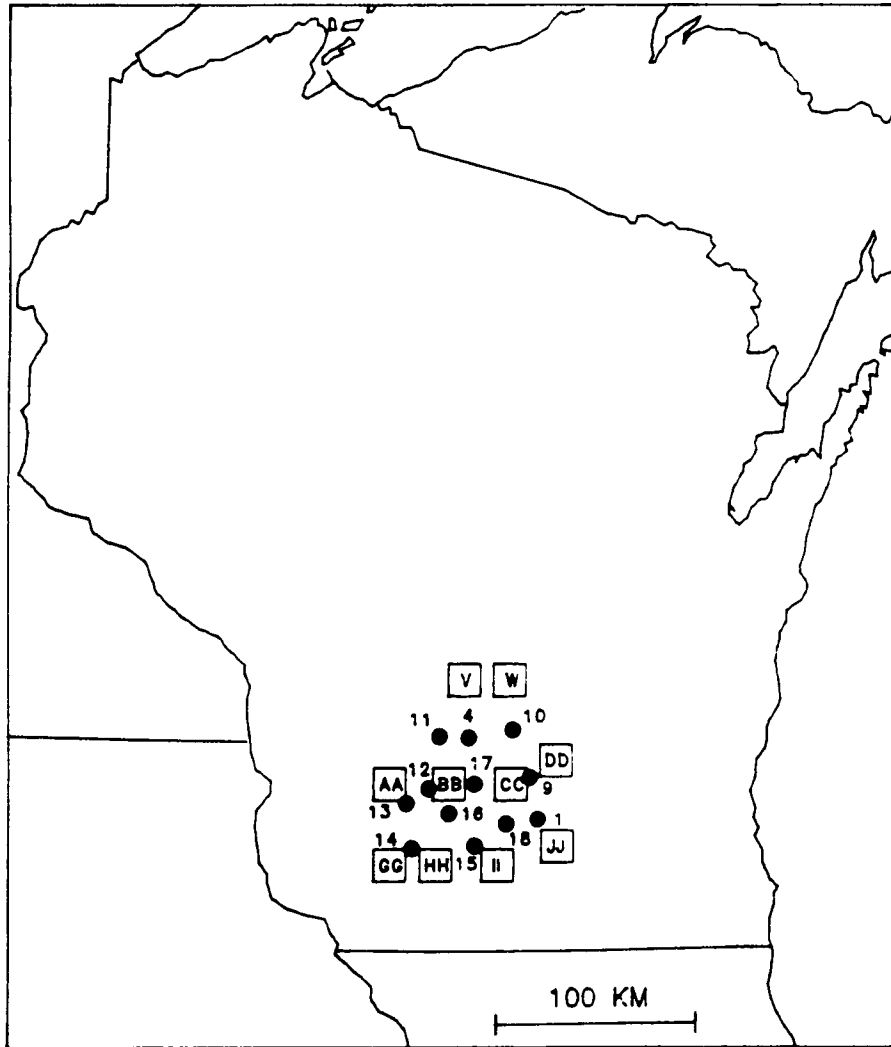


Figure 1.-October pixel and site locations.

- FIRE/SRB SURFACE STATIONS
- GOES ISCCP PIXEL LOCATIONS TO BE USED WITH NOVEMBER AREA AVERAGES

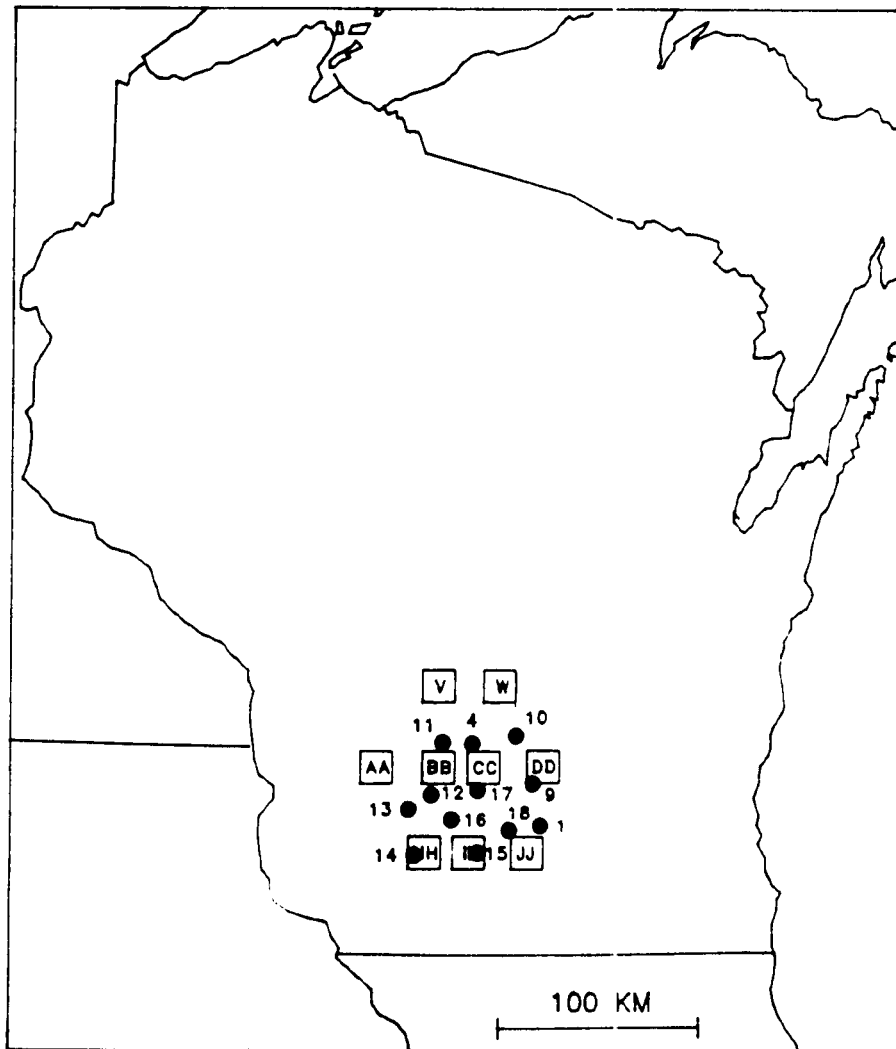


Figure 2.-November pixel and site locations.

Table 1. Coordinates of FIRE/SRB surface stations.

Station	Latitude (deg N)	Longitude (deg W)
1. Madison (Truax)	43.13	89.32
4. Baraboo	43.52	89.77
9. Arlington	43.33	89.37
10. Portage	43.56	89.48
11. Reedsburg	43.53	89.97
12. Plain	43.28	90.04
13. Tri-County	43.21	90.19
14. Dodgeville	42.99	90.15
15. Mt. Horeb	43.00	89.74
16. Arena	43.16	89.91
17. Sauk City	43.30	89.74
18. Middleton	43.11	89.53



Table 2. ISCCP CX Parameter Definitions

<u>NO</u>	<u>NAME</u>	<u>EXPLANATION</u>
1)	MONTH/DAY	=MONTH AND DAY ASSOCIATED WITH PIXEL.
2)	HOUR:MIN	=GMT HOUR AND MINUTE ASSOCIATED WITH PIXEL.
3)	LATITUDE	=LATITUDE OF PIXEL (DEGREES + NORTH).
4)	LONGITUDE	=LONGITUDE OF PIXEL (DEGREES + EAST).
5)	GOES GROUND LOCATION	=PIXEL LOCATION ON WISCONSIN SCENE.
6)	DAY/NIGHT FLAG	=0 FOR DAY PIXELS, 1 FOR NIGHT PIXELS (ISCCP CX BYTE NO. 1).
7)	SHORE FLAG	="SHORE" FLAG. IF THIS FLAG IS EQUAL TO 1, THEN THE PIXEL HAS BEEN DETERMINED TO BE GEOGRAPHICALLY NEAR A COASTLINE. THE "NEARNESS" CRITERION IS AS FOLLOWS: A WATER PIXEL IS CLASSED AS "SHORE" IF THERE IS A COASTLINE WITHIN 5 PIXELS OF IT; A LAND PIXEL IS "SHORE" IF THERE IS A COASTLINE WITHIN 2 PIXELS OF IT (ISCCP CX BYTE NO. 1).
8)	LAND/OCEAN FLAG	=0 FOR LAND, 1 FOR OCEAN (ISCCP CX BYTE NO. 1).
9)	TOPOGRAPHY FLAG	=1 IF THE PIXEL TOPOGRAPHY EXCEEDS 2500 METERS IN HEIGHT, 0 OTHERWISE. THIS FLAG SHOULD NEVER BE FOUND TO BE ON WHEN THE LAND/OCEAN FLAG IS ON (I.E., THERE IS NO HIGH TOPOGRAPHY IN THE OCEAN). (ISCCP CX BYTE NO. 1)
10)	SNOW/ICE FLAG	=SNOW/ICE FLAG. 0 - NONE; 1 - FILLED WITH SNOW OR WITH ICE, DEPENDING ON WHETHER THE PIXEL IS ON LAND (SNOW) OR OCEAN (ICE); 3 - NEAR AN ICE OR A SNOW MARGIN (ISCCP CX BYTE NO. 1).
11)	CLOUD CODE	=CLEAR SKY COMPOSITE PIXEL CLASS, FROM A COMBINATION OF SPATIAL AND TEMPORAL CRITERIA. 0 - UNDECIDED; 1 - CLOUD; 2 - CLEAR; 3 - MIXED (CONFLICTING INFORMATION). FINAL CLOUD DECISION IS MADE BY A BISPECTRAL THRESHOLD TEST, EITHER NO. 29 OR NO. 30 BEING EQUAL TO EITHER 4 OR 5 (ISCCP CX BYTE NO. 1).

Table 2. Continued.

<u>NO</u>	<u>NAME</u>	<u>EXPLANATION</u>
12)	IR CLEAR SKY CODE	=IR CLEAR SKY CODE, REPRESENTING THE RESULTS OF THE CLEAR SKY LOGIC FOR THE GIVEN PIXEL. IN PARTICULAR, CODED VALUES FROM 1 THROUGH 8 SIGNIFY THAT THE SHORT TERM STATISTICS WERE JUDGED ADEQUATE FOR THE GIVEN PIXEL, AND CODE VALUES OF 9 OR HIGHER SIGNIFY THAT LONG TERM STATISTICS WERE USED TO DETERMINE THE IR CLEAR SKY RADIANCE. SHORT TERM STATISTICS ARE GENERALLY PREFERRED FOR THOSE SITUATIONS WHICH ARE JUDGED TO BE FAIRLY CLOUD-FREE ON A TIME SCALE OF 5 DAYS (LAND), OR 15 DAYS (OCEAN), WHILE LONG TERM STATISTICS (15 OR 30 DAYS ON LAND, 30 DAYS ON OCEAN) ARE USED WHENEVER THE CLEAR SKY UNCERTAINTY IS HIGHER THAN NORMAL (DUE TO EITHER PERSISTENT CLOUDINESS OR TO DIFFICULTIES ASSOCIATED WITH THE TERRAIN IN WHICH THE PIXEL IS LOCATED). (ISCCP CX BYTE NO. 2).

THIS CODE MAY TAKE ON THE FOLLOWING VALUES:

0		----- VALUE DOES NOT EXIST -----
1	(SHORT TERM)	TSURF = AVERAGE OF CLEAR PIXELS
2	(SHORT TERM)	TMAX - DEL3 (TSURF TOO COLD)
3	(SHORT TERM)	TSURF (TMAX DETERMINED TO BE TOO HOT)
4	(SHORT TERM)	TSURF (HOT TMAX RESULT IGNORED)
5	(SHORT TERM)	TMAX - DEL3 (HOT TMAX RESULT IGNORED)
6		----- VALUE DOES NOT EXIST -----
7	(SHORT TERM)	TSURF (SHORT TERM TMAX PASSES TEST)
8	(SHORT TERM)	TMAX - DEL3 (SHORT TERM TMAX PASSES TEST)
9	(LONG TERM)	TSURF (SHORT TERM CLOUD CONTAMINATED)
10	(LONG TERM)	TMAX - DEL4
11	(LONG TERM)	TMAX - DEL4
12	(LONG TERM)	TSURF (HOT TMAX RESULT IGNORED)
13	(LONG TERM)	TMAX - DEL4 (HOT TMAX RESULT IGNORED)
14	(LONG TERM)	TMAX - DEL4 (HOT TMAX RESULT IGNORED)
15	(LONG TERM)	TSURF (TMAX DETERMINED TO BE TOO HOT)
16	(LONG TERM)	TWARM PERCENT - DEL2 (TMAX TOO HOT)
17		----- VALUE DOES NOT EXIST -----
18		----- VALUE DOES NOT EXIST -----
19		----- VALUE DOES NOT EXIST -----
20		----- VALUE DOES NOT EXIST -----
21	(LONG TERM)	TSURF (SHORT TERM TMAX PASSES TEST)

Table 2. Continued.

<u>NO</u>	<u>NAME</u>	<u>EXPLANATION</u>
22	(LONG TERM)	TWARM PERCENT - DEL2 (SHORT TERM TMAX PASSES)
23		----- VALUE DOES NOT EXIST -----
24		----- VALUE DOES NOT EXIST -----
25		----- VALUE DOES NOT EXIST -----
26		----- VALUE DOES NOT EXIST -----
27		----- VALUE DOES NOT EXIST -----
28		----- VALUE DOES NOT EXIST -----
29		----- VALUE DOES NOT EXIST -----
30		----- VALUE DOES NOT EXIST -----
31		----- VALUE DOES NOT EXIST -----
13)	IR THRESHOLD CODE	=CODED REPRESENTATION OF THE RESULT OF IR THRESHOLDING, (ISCCP CX BYTE NO. 2) WITH VALUES IN THE RANGE, 1 THROUGH 7, REPRESENTING:
	0	----- VALUE DOES NOT EXIST -----
	1	VALUES MORE THAN ONE THRESHOLD ABOVE THE CLEAR RADIANCE
	2	VALUES LESS THAN ONE THRESHOLD ABOVE ..
	3	VALUES LESS THAN ONE THRESHOLD BELOW ..
	4	VALUES MORE THAN ONE BUT LESS THAN TWO THRESHOLDS BELOW ..
	5	VALUES MORE THAN TWO THRESHOLDS BELOW ..
	6	----- VALUE DOES NOT EXIST -----
	7	----- VALUE DOES NOT EXIST -----
14)	FILTER FLAG	=1 IF THE CLEAR SKY SPATIAL FILTER WAS USED, 0 OTHERWISE (ISCCP CX BYTE NO. 3).
15)	GOES ZENITH ANGLE	=SATELLITE ZENITH ANGLE IN DEGREES (ISCCP CX BYTE NO. 3).
16)	IR RADIANCE	=IR RADIANCE IN BOTH COUNTS AND DEGREES KELVIN. COUNTS (0-255) CONVERTED TO TEMPERATURE USING THE ISCCP CONVERSION TABLES (ISCCP CX BYTE NO. 4).
17)	IR CLEAR SKY RADIANCE	=INFERRED IR CLEAR SKY RADIANCE IN BOTH COUNTS AND DEGREES KELVIN. COUNTS (0-255) CONVERTED TO TEMPERATURE USING THE ISCCP CONVERSION TABLES (ISCCP BYTE NO. 5).
18)	SOLAR GLINT FLAG	=1 FOR OCEAN PIXELS WITH VIEWING GEOMETRIES NEAR SOLAR GLINT CONDITIONS, ZERO OTHERWISE (ISCCP

Table 2. Continued.

<u>NO</u>	<u>NAME</u>	<u>EXPLANATION</u>
		CX BYTE NO. 9).
19)	LONG TERM STAT FLAG	=1 INDICATES THAT LONG TERM (30 DAY) STATISTICS WERE USED TO INFER THE VIS CLEAR SKY RADIANCE (ISCCP CX BYTE NO. 9).
20)	REGION STAT FLAG	=1 INDICATES THAT REGION STATISTICS WERE USED TO TEST THE INFERRED VIS CLEAR SKY (ISCCP CX BYTE NO. 9).
21)	VIS DARK FLAG	=1 INDICATES THAT THE VIS CLEAR SKY WAS JUDGED TO BE "TOO DARK" BY COMPARISON TO A MODEL (ISCCP CX BYTE NO. 9).
22)	VIS BRIGHT FLAG	=1 INDICATES THAT THE VIS CLEAR SKY WAS JUDGED TO BE "TOO BRIGHT" BY COMPARISON TO A MODEL (ISCCP CX BYTE NO. 9).
23)	VIS THRESHOLD CODE	=CODED REPRESENTATION OF THE VIS CHANNEL THRESHOLD RESULT (ISCCP CX BYTE NO. 9), HAVING VALUES IN THE RANGE, 1 THROUGH 7, REPRESENTING:
	0	----- VALUE DOES NOT EXIST -----
	1	VALUES MORE THAN ONE THRESHOLD BELOW THE CLEAR RADIANCE
	2	VALUES LESS THAN ONE THRESHOLD BELOW ..
	3	VALUES LESS THAN ONE THRESHOLD ABOVE ..
	4	VALUES MORE THAN ONE BUT LESS THAN TWO THRESHOLDS ABOVE ..
	5	VALUES MORE THAN TWO THRESHOLDS ABOVE ..
	6	----- VALUE DOES NOT EXIST -----
	7	----- VALUE DOES NOT EXIST -----
24)	SOLAR ZENITH ANGLE	=SOLAR ZENITH ANGLE IN DEGREES (ISCCP CX BYTE NO. 10).
25)	GOES-SOLAR AZIMUTH	=SATELLITE-SOLAR AZIMUTH IN DEGREES (ISCCP CX BYTE NO. 11).
26)	VIS RADIANCE	=VIS RADIANCE IN BOTH COUNTS AND REFLECTANCE UNITS. COUNTS (0-255) CONVERTED TO REFLECTANCE UNITS USING THE ISCCP CONVERSION TABLES (ISCCP CX BYTE NO. 12).

Table 2. Continued.

<u>NO</u>	<u>NAME</u>	<u>EXPLANATION</u>
27)	VIS CLEAR SKY RADIANCE	=VIS CLEAR SKY RADIANCE IN BOTH COUNTS AND REFLECTANCE UNITS. COUNTS (0-255) CONVERTED TO REFLECTANCE UNITS USING THE ISCCP CONVERSION TABLES (ISCCP CX BYTE NO. 13).
28)	DAY/NIGHT FLAG	=1 FOR NIGHT, 0 FOR DAY. THIS VALUE IS THE FINAL DECISION AND CAN DIFFER FROM THAT IN NUMBER 6, DEPENDING ON ILLUMINATION GEOMETRY (ISCCP CX BYTE NO. 14).
29)	IR THRESHOLD CODE	=CODED REPRESENTATION OF THE IR CHANNEL THRESHOLD RESULT, HAVING VALUES IN THE RANGE, 1 THROUGH 7. THIS VALUE IS THE FINAL DECISION AND CAN DIFFER FROM THAT IN NUMBER 13, DEPENDING ON SURFACE CONDITIONS (ISCCP CX BYTE NO. 14). THIS CODE CAN HAVE THE FOLLOWING VALUES: 0 ----- VALUE DOES NOT EXIST ----- 1 VALUES MORE THAN ONE THRESHOLD ABOVE THE CLEAR RADIANCE 2 VALUES LESS THAN ONE THRESHOLD ABOVE .. 3 VALUES LESS THAN ONE THRESHOLD BELOW .. 4 VALUES MORE THAN ONE BUT LESS THAN TWO THRESHOLDS BELOW .. 5 VALUES MORE THAN TWO THRESHOLDS BELOW .. 6 ----- VALUE DOES NOT EXIST ----- 7 ----- VALUE DOES NOT EXIST -----
30)	VIS THRESHOLD CODE	=CODED REPRESENTATION OF THE VIS CHANNEL THRESHOLD RESULT, HAVING VALUES IN THE RANGE, 1 THROUGH 7. THIS VALUE IS THE FINAL DECISION AND CAN DIFFER FROM THAT IN NUMBER 23, DEPENDING ON SURFACE CONDITIONS (ISCCP CX EYTE NO. 14). THIS CODE CAN HAVE THE FOLLOWING VALUES: 0 ----- VALUE DOES NOT EXIST ----- 1 VALUES MORE THAN ONE THRESHOLD BELOW THE CLEAR RADIANCE 2 VALUES LESS THAN ONE THRESHOLD BELOW .. 3 VALUES LESS THAN ONE THRESHOLD ABOVE .. 4 VALUES MORE THAN ONE BUT LESS THAN TWO THRESHOLDS ABOVE .. 5 VALUES MORE THAN TWO THRESHOLDS ABOVE .. 6 ----- VALUE DOES NOT EXIST ----- 7 ----- VALUE DOES NOT EXIST -----

Table 2. Continued.

<u>NO</u>	<u>NAME</u>	<u>EXPLANATION</u>
31)	IR RETRIEVAL CODE	=IR DATA RADIATIVE RETRIEVAL RETURN CODE (ISCCP CX BYTE NO. 15). THIS CODE MAY TAKE ON THE FOLLOWING VALUES:
0	OK (GOOD RETRIEVAL)	
1	(SRF) TOBSERVED > TRETRIEVED	=> ALTERNATE RETRIEVAL FORMULA APPLIED
2	(SRF) EXTMU < 0.25 (OPACITY TOO LARGE)	=> ALTERNATE RETRIEVAL FORMULA APPLIED
3	(SRF) TOVS BRIGHTNESS TEMP > IMAGE BRIGHTNESS TEMP BY > 20 K	
4	(SRF) IMAGE BRIGHTNESS TEMP > TOVS BRIGHTNESS TEMP BY > 20 K	
5	(CLD) ISOTHERMAL CLOUD LAYERS	
6	(CLD) BRIGHTNESS TEMP < TMIN OF PROFILE	
7	(CLD) AS FOR 0, ABOVE (SEE NOTE BELOW)	
8	(SRF) AS FOR 1, ABOVE (SEE NOTE BELOW)	
9	(SRF) AS FOR 2, ABOVE (SEE NOTE BELOW)	
10	(SRF) AS FOR 3, ABOVE (SEE NOTE BELOW)	
11	(SRF) AS FOR 4, ABOVE (SEE NOTE BELOW)	
12	VALUE NOT IN RADIATION TABLES	
13		----- VALUE DOES NOT EXIST -----
14		----- VALUE DOES NOT EXIST -----
15		----- VALUE DOES NOT EXIST -----

NOTES:

1. (SRF) MEANS THAT THE VALUE PERTAINS TO THE RESULT OF THE SURFACE PROPERTIES RETRIEVAL ROUTINE, (CLD) REFERS TO THE CLOUD RETRIEVAL.
2. CODES 7 THROUGH 11 HAVE THE SAME MEANING AS CORRESPONDING CODES 0 THROUGH 4, BUT ARE MAINTAINED SEPERATELY TO WARN THE USER THAT IN THESE CASES THE BRIGHTNESS TEMPERATURE WAS FOUND TO BE GREATER THAN OR EQUAL TO THE CLEAR SKY VALUE, THUS THE SURFACE RETRIEVAL ROUTINE WAS USED.

32)	IR CLEAR SKY RETRIEVAL CODE	=IR CLEAR SKY RADIATIVE RETRIEVAL RETURN CODE (ISCCP CX BYTE NO. 15). THIS CODE MAY TAKE ON THE FOLLOWING VALUES:
0	OK (GOOD RETRIEVAL)	
1	(SRF) TOBSERVED > TRETRIEVED	=> ALTERNATE RETRIEVAL FORMULA APPLIED

Table 2. Continued.

<u>NO</u>	<u>NAME</u>	<u>EXPLANATION</u>
2	(SRF) EXTMU < 0.25 (OPACITY TOO LARGE)	=> ALTERNATE RETRIEVAL FORMULA APPLIED
3	(SRF) TOVS BRIGHTNESS TEMP > IMAGE BRIGHTNESS TEMP BY > 20 K	
4	(SRF) IMAGE BRIGHTNESS TEMP > TOVS BRIGHTNESS TEMP BY > 20 K	
5	(CLD) ISOTHERMAL CLOUD LAYERS	
6	(CLD) BRIGHTNESS TEMP < TMIN OF PROFILE	
7	(CLD) AS FOR 0, ABOVE (SEE NOTE BELOW)	
8	(SRF) AS FOR 1, ABOVE (SEE NOTE BELOW)	
9	(SRF) AS FOR 2, ABOVE (SEE NOTE BELOW)	
10	(SRF) AS FOR 3, ABOVE (SEE NOTE BELOW)	
11	(SRF) AS FOR 4, ABOVE (SEE NOTE BELOW)	
12	VALUE NOT IN RADIATION TABLES	
13		----- VALUE DOES NOT EXIST -----
14		----- VALUE DOES NOT EXIST -----
15		----- VALUE DOES NOT EXIST -----

NOTES:

1. (SRF) MEANS THAT THE VALUE PERTAINS TO THE RESULT OF THE SURFACE PROPERTIES RETRIEVAL ROUTINE, (CLD) REFERS TO THE CLOUD RETRIEVAL.
2. CODES 7 THROUGH 11 HAVE THE SAME MEANING AS CORRESPONDING CODES 0 THROUGH 4, BUT ARE MAINTAINED SEPERATELY TO WARN THE USER THAT IN THESE CASES THE BRIGHTNESS TEMPERATURE WAS FOUND TO BE GREATER THAN OR EQUAL TO THE CLEAR SKY VALUE, THUS THE SURFACE RETRIEVAL ROUTINE WAS USED.

- 33) SURFACE TEMPERATURE =RETRIEVED SURFACE TEMPERATURE IN DEGREES KELVIN. IF THE PIXEL IS CLOUDY, THEN THIS VALUE HAS NO MEANING (ISCCP CX BYTE NO. 16).
- 34) CLOUD TOP TEMPERATURE =RETRIEVED CLOUD TOP TEMPERATURE IN DEGREES KELVIN. IF THE PIXEL IS CLEAR, THEN THIS VALUE HAS NO MEANING (ISCCP CX BYTE NO. 16).
- 35) SURFACE PRESSURE =RETRIEVED SURFACE PRESSURE IN MILLIBARS. IF THE PIXEL IS CLOUDY, THEN THIS VALUE HAS NO MEANING (ISCCP CX BYTE NO. 17).
- 36) CLOUD TOP PRESSURE =RETRIEVED CLOUD TOP PRESSURE IN MILLIBARS. IF THE PIXEL IS CLEAR, THEN THIS VALUE HAS NO

Table 2. Continued.

<u>NO</u>	<u>NAME</u>	<u>EXPLANATION</u>
		MEANING (ISCCP CX BYTE NO. 17).
37)	CLEAR SKY TEMPERATURE	=RETRIEVED CLEAR SKY TEMPERATURE IN DEGREES KELVIN (ISCCP CX PIXEL NO. 18).
38)	CLEAR SKY PRESSURE	=RETRIEVED CLEAR SKY PRESSURE IN MILLIBARS. (SURFACE PRESSURE DETERMINED FROM TOPOGRAPHY AND SURFACE TEMPERATURE). (ISCCP CX BYTE NO. 19).
39)	VIS RETRIEVAL CODE	=VIS DATA RADIATIVE RETRIEVAL RETURN CODE (ISCCP CX BYTE NO. 20). THIS CODE MAY TAKE ON THE FOLLOWING VALUES:
	0	OK (GOOD RETRIEVAL)
	1	(TAUCOR) OK (IN TC ADJUSTMENT LOOP FOR THIN CLOUD)
	2	(TAUCOR) ADJUSTMENT OF CLOUD TOP LEADS TO TAUMUE > 4.5
	3	(TAUCOR) TAU OUT OF RANGE (TAU > 125)
	4	(TAUCOR) UNABLE TO CALCULATE TAUMIN (NOT ENOUGH PRECISION)
	5	(TAUCOR) OBSERVED TEMPERATURE > CLEAR SKY TEMPERATURE
	6	(TAUCOR) BAD VALUES IN TAURAY ARRAY, RADIANCE OUT OF RANGE
	7	(SRF) VALUE BELOW LOW END OF THE SURFACE INTENSITY ARRAY
	8	(SRF) VALUE ABOVE HIGH END OF THE SURFACE INTENSITY ARRAY
	9	----- VALUE DOES NOT EXIST -----
	10	----- VALUE DOES NOT EXIST -----
	11	----- VALUE DOES NOT EXIST -----
	12	(TAUCOR) VALUE BELOW LOW END OF RADIATION TABLE (RADDIF < 0)
	13	(TAUCOR) ADJUSTMENT LOOP ITERATED MORE THAN 10 TIMES
	14	(CLD) TAURET SET TO 0.0 (OBSERVED RADIANCE TOO DARK)
	15	----- VALUE DOES NOT EXIST -----
	NOTE:	(SRF) MEANS THAT THE VALUE PERTAINS TO THE RESULT OF THE SURFACE PROPERTIES RETRIEVAL ROUTINE, (CLD) REFERS TO THE CLOUD RETRIEVAL, AND (TAUCOR) REFERS TO THE ITERATION LOOP THAT ADJUSTS THE VALUES OF CLOUD TOP TEMPERATURE AND TAU IN CASES OF LOW TAU.
40)	VIS CLEAR SKY RETRIEVAL CODE	=VIS CLEAR SKY RADIATIVE RETRIEVAL RETURN CODE (ISCCP CX BYTE NO. 20). THIS CODE MAY TAKE ON THE FOLLOWING VALUES:
	0	OK (GOOD RETRIEVAL)



Table 2. Concluded.

<u>NO</u>	<u>NAME</u>	<u>EXPLANATION</u>
1	(TAUCOR)	OK (IN TC ADJUSTMENT LOOP FOR THIN CLOUD)
2	(TAUCOR)	ADJUSTMENT OF CLOUD TOP LEADS TO TAUMUE > 4.5
3	(TAUCOR)	TAU OUT OF RANGE (TAU > 125)
4	(TAUCOR)	UNABLE TO CALCULATE TAUMIN (NOT ENOUGH PRECISION)
5	(TAUCOR)	OBSERVED TEMPERATURE > CLEAR SKY TEMPERATURE
6	(TAUCOR)	BAD VALUES IN TAURAY ARRAY, RADIANCE OUT OF RANGE
7	(SRF)	VALUE BELOW LOW END OF THE SURFACE INTENSITY ARRAY
8	(SRF)	VALUE ABOVE HIGH END OF THE SURFACE INTENSITY ARRAY
9		----- VALUE DOES NOT EXIST -----
10		----- VALUE DOES NOT EXIST -----
11		----- VALUE DOES NOT EXIST -----
12	(TAUCOR)	VALUE BELOW LOW END OF RADIATION TABLE (RADDIF < 0)
13	(TAUCOR)	ADJUSTMENT LOOP ITERATED MORE THAN 10 TIMES
14	(CLD)	TAURET SET TO 0.0 (OBSERVED RADIANCE TOO DARK)
15		----- VALUE DOES NOT EXIST -----

NOTE: (SRF) MEANS THAT THE VALUE PERTAINS TO THE RESULT OF THE SURFACE PROPERTIES RETRIEVAL ROUTINE, (CLD) REFERS TO THE CLOUD RETRIEVAL, AND (TAUCOR) REFERS TO THE ITERATION LOOP THAT ADJUSTS THE VALUES OF CLOUD TOP TEMPERATURE AND TAU IN CASES OF LOW TAU.

41)	SURFACE ALBEDO	=ALBEDO FOR CLEAR DAY. IF THE PIXEL IS CLOUDY, THEN THIS VALUE HAS NO MEANING (ISCCP CX BYTE NO. 21).
42)	OPTICAL DEPTH	=OPTICAL DEPTH FOR CLOUDY DAY. IF THE PIXEL IS CLEAR, THEN THIS VALUE HAS NO MEANING (ISCCP CX PIXEL NO. 21).
43)	AVERAGE SURFACE ALBEDO	=SURFACE ALBEDO FROM THE CLEAR SKY RADIANCE (ISCCP CX BYTE NO. 22).
44)	CLOUD TOP TEMPERATURE	=RETRIEVED CLOUD TOP TEMPERATURE IN DEGREES KELVIN, AFTER CORRECTION FOR PARTIAL TRANSMISSION OF SURFACE RADIATION (ISCCP CX BYTE NO. 23).
45)	CLOUD TOP PRESSURE	=RETRIEVED CLOUD TOP PRESSURE IN MILLIBARS, AFTER CORRECTION FOR PARTIAL TRANSMISSION OF SURFACE RADIATION (ISCCP CX BYTE NO. 24).

Table 3. ISCCP CX Wisconsin Data

1	MONTH/DAY	10/14	10/14	10/14	10/14	10/14
2	HR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	10	10	10	10	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	1	0	1	1	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	253.1	251.7	251.7	244.5	256.0
	(COUNTS)	64	62	62	53	68
17	IR CLEAR SKY RADIANCE (K)	281.6	281.1	281.6	281.6	281.6
	(COUNTS)	110	109	110	110	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	4
24	SOLAR ZENITH ANGLE (DEG)	63.9	63.9	63.9	63.9	63.3
25	GOES-SOLAR AZIMUTH (DEG)	123.0	123.0	123.0	123.0	122.0
26	VIS RADIANCE (REFLECTANCE)	0.276	0.268	0.268	0.260	0.160
	(COUNTS)	69	67	67	65	40
27	VIS CLEAR SKY RADIANCE (REFL)	0.084	0.084	0.084	0.080	0.076
	(COUNTS)	21	21	21	20	19
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	4
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	253.1	251.7	251.7	244.5	256.0
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	535.	525.	525.	450.	575.
37	CLEAR SKY TEMPERATURE (K)	286.3	285.2	285.8	285.8	285.8
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	0	0	0	0	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	27.77	22.63	23.08	19.78	3.88
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.17	0.16	0.14
44	CLOUD TOP TEMPERATURE (K)	253.1	251.7	251.7	244.5	254.6
45	CLOUD TOP PRESSURE (MB)	535.	525.	525.	450.	555.

Table 3. Continued.

1	MONTH/DAY	10/14	10/14	10/14	10/14	10/14
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	10	9	9	9	10
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.9	50.9
16	IR RADIANCE (K)	249.3	249.3	242.8	245.3	250.1
	(COUNTS)	59	59	51	54	60
17	IR CLEAR SKY RADIANCE (K)	281.6	284.7	283.7	282.7	278.4
	(COUNTS)	110	116	114	112	104
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	63.3	63.3	63.3	63.3	62.6
25	GOES-SOLAR AZIMUTH (DEG)	122.0	123.0	123.0	122.0	122.0
26	VIS RADIANCE (REFLECTANCE)	0.268	0.232	0.244	0.300	0.268
	(COUNTS)	67	58	61	75	67
27	VIS CLEAR SKY RADIANCE (REFL)	0.088	0.088	0.080	0.088	0.088
	(COUNTS)	22	22	20	22	22
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	****	****	****	****	****
34	CLOUD TOP TEMPERATURE (K)	249.3	249.3	242.8	245.3	250.1
35	SURFACE PRESSURE (MB)	****	****	****	****	****
36	CLOUD TOP PRESSURE (MB)	500.	500.	430.	455.	505.
37	CLEAR SKY TEMPERATURE (K)	285.8	289.8	288.8	287.3	281.6
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	****	****	****	****	****
42	OPTICAL DEPTH	19.05	9.88	12.39	38.29	17.36
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.15	0.17	0.17
44	CLOUD TOP TEMPERATURE (K)	249.3	249.3	242.8	245.3	250.1
45	CLOUD TOP PRESSURE (MB)	500.	500.	430.	455.	505.

Table 3. Continued.

1	MONTH/DAY	10/14	10/14	10/14	10/14	10/14
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	3	1
12	IR CLEAR SKY CODE	9	9	11	9	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	1	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	258.2	260.8	253.1	256.0	260.2
	(COUNTS)	71	75	64	68	74
17	IR CLEAR SKY RADIANCE (K)	286.3	283.2	286.8	284.7	282.2
	(COUNTS)	119	113	120	116	111
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	52.4	52.4	51.7	51.7	52.4
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.396	0.384	0.444	0.320	0.324
	(COUNTS)	99	96	111	80	81
27	VIS CLEAR SKY RADIANCE (REFL)	0.124	0.136	0.132	0.136	0.136
	(COUNTS)	31	34	33	34	34
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	258.2	260.8	253.1	256.0	260.2
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	610.	660.	535.	575.	650.
37	CLEAR SKY TEMPERATURE (K)	292.2	288.3	292.2	290.2	286.8
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	0	0	0	1	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	10.59	9.06	16.74	5.15	5.45
43	AVERAGE SURFACE ALBEDO	0.18	0.20	0.19	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	258.2	260.8	253.1	255.3	260.2
45	CLOUD TOP PRESSURE (MB)	610.	660.	535.	565.	645.

Table 3. Continued.

1	MONTH/DAY	10/14	10/14	10/14	10/14	10/14
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	9	10	10	10	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	1	1	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.9	50.9
16	IR RADIANCE (K)	260.8	250.1	249.3	256.7	256.7
	(COUNTS)	75	60	59	69	69
17	IR CLEAR SKY RADIANCE (K)	283.2	284.7	284.7	283.2	283.2
	(COUNTS)	113	116	116	113	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	52.4	51.7	51.7	51.7	51.7
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.408	0.430	0.436	0.392	0.368
	(COUNTS)	102	120	109	98	92
27	VIS CLEAR SKY RADIANCE (REFL)	0.140	0.144	0.124	0.144	0.144
	(COUNTS)	35	36	31	36	36
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	260.8	250.1	249.3	256.7	256.7
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	660.	505.	500.	585.	585.
37	CLEAR SKY TEMPERATURE (K)	287.8	289.8	289.8	287.8	287.8
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	11.76	25.54	15.86	9.54	7.73
43	AVERAGE SURFACE ALBEDO	0.21	0.21	0.17	0.21	0.21
44	CLOUD TOP TEMPERATURE (K)	260.8	250.1	249.3	256.7	256.7
45	CLOUD TOP PRESSURE (MB)	660.	505.	500.	585.	585.

Table 3. Continued.

1	MONTH/DAY	10/14	10/14	10/14	10/14	10/14
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	9	9	9	9	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.2	50.9
16	IR RADIANCE (K)	263.4	262.8	270.3	258.9	263.4
	(COUNTS)	79	78	90	72	79
17	IR CLEAR SKY RADIANCE (K)	284.7	284.7	283.2	284.2	283.7
	(COUNTS)	116	116	113	115	114
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	68.3	68.3	67.7	68.3	68.3
25	GOES-SOLAR AZIMUTH (DEG)	136.0	137.0	136.0	136.0	137.0
26	VIS RADIANCE (REFLECTANCE)	0.252	0.312	0.232	0.260	0.268
	(COUNTS)	63	78	58	65	67
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	0.088	0.080	0.084	0.080
	(COUNTS)	19	22	20	21	20
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	263.4	262.8	271.5	258.9	263.4
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	710.	700.	860.	625.	710.
37	CLEAR SKY TEMPERATURE (K)	290.2	290.2	287.8	289.3	288.8
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	29.63	92.02	12.83	42.42	39.26
43	AVERAGE SURFACE ALBEDO	0.17	0.21	0.18	0.20	0.18
44	CLOUD TOP TEMPERATURE (K)	263.4	262.8	271.5	258.9	263.4
45	CLOUD TOP PRESSURE (MB)	710.	700.	860.	625.	710.

Table 3. Continued.

1	MONTH/DAY	10/14	10/14	10/14	10/14	10/14
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	3	3	3	1
12	IR CLEAR SKY CODE	9	9	9	9	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	49.5	49.5	50.2	50.2
16	IR RADIANCE (K)	262.8	265.4	262.8	264.1	260.8
	(COUNTS)	78	82	78	80	75
17	IR CLEAR SKY RADIANCE (K)	282.2	284.7	285.2	284.2	282.7
	(COUNTS)	111	116	117	115	112
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	4
24	SOLAR ZENITH ANGLE (DEG)	68.3	67.7	67.7	68.3	68.3
25	GOES-SOLAR AZIMUTH (DEG)	137.0	136.0	136.0	136.0	137.0
26	VIS RADIANCE (REFLECTANCE)	0.252	0.220	0.248	0.256	0.172
	(COUNTS)	63	55	62	64	43
27	VIS CLEAR SKY RADIANCE (REFL)	0.088	0.084	0.084	0.084	0.072
	(COUNTS)	22	21	21	21	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	4
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	262.8	266.0	262.8	264.7	260.8
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	700.	755.	700.	725.	660.
37	CLEAR SKY TEMPERATURE (K)	286.8	289.8	290.2	289.3	287.3
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	0	0	0	0	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	25.54	9.88	23.55	34.74	3.79
43	AVERAGE SURFACE ALBEDO	0.21	0.20	0.20	0.20	0.16
44	CLOUD TOP TEMPERATURE (K)	262.8	266.0	262.8	264.7	259.5
45	CLOUD TOP PRESSURE (MB)	700.	755.	700.	725.	635.

Table 3. Continued.

1	MONTH/DAY	10/15	10/15	10/15	10/15	10/15
2	HOURL:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	10	10	10	10	9
13	IR THRESHOLD CODE	3	3	3	3	3
14	CLEAR SKY FILTER FLAG	1	0	1	1	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.2	50.9
16	IR RADIANCE (K)	278.9	278.9	278.9	278.9	279.5
	(COUNTS)	105	105	105	105	106
17	IR CLEAR SKY RADIANCE (K)	281.6	281.1	281.6	281.6	281.6
	(COUNTS)	110	109	110	110	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	2	2	2	2
24	SOLAR ZENITH ANGLE (DEG)	63.9	63.9	63.9	63.9	63.3
25	GOES-SOLAR AZIMUTH (DEG)	123.0	123.0	123.0	123.0	123.0
26	VIS RADIANCE (REFLECTANCE)	0.076	0.072	0.072	0.076	0.064
	(COUNTS)	19	18	18	19	16
27	VIS CLEAR SKY RADIANCE (REFL)	0.084	0.084	0.084	0.080	0.076
	(COUNTS)	21	21	21	20	19
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	3	3	3	3
30	VIS THRESHOLD CODE	2	2	2	2	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	280.5	280.5	280.0	280.5	281.6
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	284.2	283.2	283.7	284.2	284.2
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.144	0.136	0.136	0.148	0.108
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.17	0.16	0.14
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****



Table 3. Continued.

1	MONTH/DAY	10/15	10/15	10/15	10/15	10/15
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	10	9	9	9	10
13	IR THRESHOLD CODE	3	3	3	3	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	278.9	280.5	279.5	279.5	280.5
	(COUNTS)	105	108	106	106	108
17	IR CLEAR SKY RADIANCE (K)	281.6	284.7	283.7	282.7	278.4
	(COUNTS)	110	116	114	112	104
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	2	2	2	2
24	SOLAR ZENITH ANGLE (DEG)	63.3	63.3	63.3	63.3	63.3
25	GOES-SOLAR AZIMUTH (DEG)	122.0	123.0	123.0	122.0	122.0
26	VIS RADIANCE (REFLECTANCE)	0.076	0.080	0.076	0.076	0.076
	(COUNTS)	19	20	19	19	19
27	VIS CLEAR SKY RADIANCE (REFL)	0.088	0.088	0.080	0.088	0.088
	(COUNTS)	22	22	20	22	22
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	3	3	3	2
30	VIS THRESHOLD CODE	2	2	2	2	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	280.5	282.2	281.6	281.6	282.7
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	284.2	287.3	286.3	285.2	280.0
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.140	0.152	0.144	0.144	0.144
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.15	0.18	0.18
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/15	10/15	10/15	10/15	10/15
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	0	0	0	0
12	IR CLEAR SKY CODE	9	9	11	9	9
13	IR THRESHOLD CODE	4	3	3	3	2
14	CLEAR SKY FILTER FLAG	0	0	0	1	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.9	50.9
16	IR RADIANCE (K)	277.3	278.9	283.7	284.7	284.2
	(COUNTS)	102	105	114	116	115
17	IR CLEAR SKY RADIANCE (K)	286.3	283.2	286.8	284.7	282.2
	(COUNTS)	119	113	120	116	111
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	4	4	3	2	3
24	SOLAR ZENITH ANGLE (DEG)	52.4	52.4	51.7	51.7	52.4
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.240	0.216	0.152	0.120	0.148
	(COUNTS)	60	54	38	30	37
27	VIS CLEAR SKY RADIANCE (REFL)	0.124	0.136	0.132	0.136	0.136
	(COUNTS)	31	34	33	34	34
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	4	3	3	3	2
30	VIS THRESHOLD CODE	4	4	3	2	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	****	****	286.3	287.8	287.3
34	CLOUD TOP TEMPERATURE (K)	278.9	280.5	****	****	****
35	SURFACE PRESSURE (MB)	****	****	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	960.	995.	****	****	****
37	CLEAR SKY TEMPERATURE (K)	289.8	285.8	289.8	287.8	284.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	1	1	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	****	****	0.224	0.164	0.220
42	OPTICAL DEPTH	2.62	1.78	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.18	0.20	0.19	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	276.1	277.8	****	****	****
45	CLOUD TOP PRESSURE (MB)	930.	965.	****	****	****

Table 3. Continued.

1	MONTH/DAY	10/15	10/15	10/15	10/15	10/15
2	HOURL:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	9	10	10	10	9
13	IR THRESHOLD CODE	2	2	2	2	2
14	CLEAR SKY FILTER FLAG	0	1	1	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	284.2	286.8	286.3	286.8	285.2
	(COUNTS)	115	120	119	120	117
17	IR CLEAR SKY RADIANCE (K)	283.2	284.7	284.7	283.2	283.2
	(COUNTS)	113	116	116	113	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	2	3	2	2
24	SOLAR ZENITH ANGLE (DEG)	52.4	51.7	51.7	51.7	51.7
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.144	0.124	0.136	0.124	0.136
	(COUNTS)	36	31	34	31	34
27	VIS CLEAR SKY RADIANCE (REFL)	0.140	0.144	0.124	0.144	0.144
	(COUNTS)	35	36	31	36	36
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	2	2	2
30	VIS THRESHOLD CODE	3	2	3	2	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	287.3	289.8	289.3	290.2	288.3
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	285.8	287.3	287.8	285.8	285.8
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.216	0.172	0.196	0.172	0.196
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.21	0.21	0.17	0.21	0.21
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/15	10/15	10/15	10/15	10/15
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	9	9	9	9	9
13	IR THRESHOLD CODE	3	4	3	4	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.2	50.2
16	IR RADIANCE (K)	280.5	276.7	280.5	276.7	281.1
	(COUNTS)	108	101	108	101	109
17	IR CLEAR SKY RADIANCE (K)	284.7	284.7	283.2	284.2	283.7
	(COUNTS)	116	116	113	115	114
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	2	3
24	SOLAR ZENITH ANGLE (DEG)	68.9	68.9	68.3	68.3	68.9
25	GOES-SOLAR AZIMUTH (DEG)	137.0	137.0	136.0	137.0	137.0
26	VIS RADIANCE (REFLECTANCE)	0.076	0.088	0.080	0.080	0.084
	(COUNTS)	19	22	20	20	21
27	VIS CLEAR SKY RADIANCE (REFL)	0.072	0.084	0.076	0.084	0.076
	(COUNTS)	18	21	19	21	19
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	4	3	4	3
30	VIS THRESHOLD CODE	3	3	3	2	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	282.7	*****	282.2	*****	283.2
34	CLOUD TOP TEMPERATURE (K)	*****	278.4	*****	278.4	*****
35	SURFACE PRESSURE (MB)	1000.	*****	1000.	*****	1000.
36	CLOUD TOP PRESSURE (MB)	*****	945.	*****	945.	*****
37	CLEAR SKY TEMPERATURE (K)	287.8	287.8	285.8	286.8	286.3
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	3	0	3	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.180	*****	0.188	*****	0.208
42	OPTICAL DEPTH	*****	0.22	*****	0.22	*****
43	AVERAGE SURFACE ALBEDO	0.16	0.20	0.17	0.20	0.18
44	CLOUD TOP TEMPERATURE (K)	*****	212.8	*****	212.8	*****
45	CLOUD TOP PRESSURE (MB)	*****	85.	*****	85.	*****

Table 3. Continued.

1	MONTH/DAY	10/15	10/15	10/15	10/15	10/15
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	9	9	9	9	9
13	IR THRESHOLD CODE	3	3	3	3	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	49.5	49.5	50.2	50.2
16	IR RADIANCE (K)	276.7	281.6	283.2	283.2	283.2
	(COUNTS)	101	110	113	113	113
17	IR CLEAR SKY RADIANCE (K)	282.2	284.7	285.2	284.2	282.7
	(COUNTS)	111	116	117	115	112
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	3	2	2	3
24	SOLAR ZENITH ANGLE (DEG)	68.9	68.3	68.3	68.3	68.9
25	GOES-SOLAR AZIMUTH (DEG)	137.0	136.0	136.0	136.0	136.0
26	VIS RADIANCE (REFLECTANCE)	0.076	0.080	0.076	0.076	0.072
	(COUNTS)	19	20	19	19	18
27	VIS CLEAR SKY RADIANCE (REFL)	0.088	0.080	0.080	0.084	0.072
	(COUNTS)	22	20	20	21	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	3	3	3	2
30	VIS THRESHOLD CODE	2	3	2	2	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	277.8	283.7	285.8	285.8	285.8
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	284.7	287.3	288.3	286.8	285.2
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.180	0.188	0.176	0.176	0.168
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.22	0.19	0.19	0.20	0.17
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/17	10/17	10/17	10/17	10/17
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	2	1	1	0
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	5	4	5	4	4
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	270.3	272.7	270.3	271.5	275.6
	(COUNTS)	90	94	90	92	99
17	IR CLEAR SKY RADIANCE (K)	282.7	282.2	283.7	283.2	282.2
	(COUNTS)	112	111	114	113	111
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	4	3	5	4	3
24	SOLAR ZENITH ANGLE (DEG)	64.5	64.5	64.5	64.5	63.9
25	GOES-SOLAR AZIMUTH (DEG)	124.0	124.0	124.0	123.0	123.0
26	VIS RADIANCE (REFLECTANCE)	0.200	0.112	0.224	0.180	0.088
	(COUNTS)	50	28	56	45	22
27	VIS CLEAR SKY RADIANCE (REFL)	0.084	0.084	0.084	0.080	0.076
	(COUNTS)	21	21	21	20	19
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	4	5	4	4
30	VIS THRESHOLD CODE	4	3	5	4	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	270.3	273.2	270.9	271.5	277.3
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	770.	825.	695.	795.	910.
37	CLEAR SKY TEMPERATURE (K)	285.8	285.2	286.8	286.3	285.2
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	0	1	0	1	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	6.34	1.22	9.88	5.15	0.37
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.17	0.16	0.14
44	CLOUD TOP TEMPERATURE (K)	270.3	266.6	270.9	271.5	252.4
45	CLOUD TOP PRESSURE (MB)	770.	700.	695.	795.	490.

Table 3. Continued.

1	MONTH/DAY	10/17	10/17	10/17	10/17	10/17
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	1	1	0	1
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	4	4	4	4	4
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	275.6	273.2	273.2	276.1	273.2
	(COUNTS)	99	95	95	100	95
17	IR CLEAR SKY RADIANCE (K)	282.2	283.7	283.7	283.2	283.2
	(COUNTS)	111	114	114	113	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	4	3	3
24	SOLAR ZENITH ANGLE (DEG)	63.9	63.9	63.9	63.9	63.9
25	GOES-SOLAR AZIMUTH (DEG)	123.0	124.0	123.0	123.0	123.0
26	VIS RADIANCE (REFLECTANCE)	0.120	0.112	0.160	0.140	0.132
	(COUNTS)	30	28	40	35	33
27	VIS CLEAR SKY RADIANCE (REFL)	0.088	0.088	0.080	0.088	0.084
	(COUNTS)	22	22	20	22	21
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	4	4	4	4	4
30	VIS THRESHOLD CODE	3	3	4	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	277.3	274.4	273.8	277.8	273.8
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	910.	765.	840.	920.	840.
37	CLEAR SKY TEMPERATURE (K)	285.2	286.8	286.8	286.3	286.3
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	1	1	1	1	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	1.52	1.13	3.71	2.49	2.18
43	AVERAGE SURFACE ALBEDO	0.18	0.18	0.16	0.18	0.17
44	CLOUD TOP TEMPERATURE (K)	272.7	265.4	272.7	275.0	270.9
45	CLOUD TOP PRESSURE (MB)	825.	605.	825.	890.	785.

Table 3. Continued.

1	MONTH/DAY	10/17	10/17	10/17	10/17	10/17
2	HOURL:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	1	1
7	SHORE FLAG	0	0	0	1	1
8	LAND/OCEAN FLAG	0	0	0	1	1
9	TOPOGRAPHY FLAG	0	0	0	1	1
10	SNOW/ICE FLAG	0	0	0	3	3
11	CLOUD CODE	1	1	1	3	3
12	IR CLEAR SKY CODE	1	1	1	31	31
13	IR THRESHOLD CODE	5	5	5	7	7
14	CLEAR SKY FILTER FLAG	0	0	0	1	1
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.9	****	****
16	IR RADIANCE (K)	278.4	273.8	277.3	*****	*****
	(COUNTS)	104	96	102	255	255
17	IR CLEAR SKY RADIANCE (K)	290.7	288.3	290.2	*****	*****
	(COUNTS)	128	123	127	255	255
18	SOLAR GLINT FLAG	0	0	0	1	1
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	1	1
21	VIS DARK FLAG	0	0	0	1	1
22	VIS BRIGHT FLAG	0	0	0	1	1
23	VIS THRESHOLD CODE	5	4	4	7	7
24	SOLAR ZENITH ANGLE (DEG)	53.1	53.1	53.1	****	****
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	*****	*****
26	VIS RADIANCE (REFLECTANCE)	0.268	0.228	0.224	*****	*****
	(COUNTS)	67	57	56	255	255
27	VIS CLEAR SKY RADIANCE (REFL)	0.124	0.132	0.128	*****	*****
	(COUNTS)	31	33	32	255	255
28	DAY/NIGHT FLAG	0	0	0	1	1
29	IR THRESHOLD CODE	5	5	5	7	7
30	VIS THRESHOLD CODE	5	4	4	7	7
31	IR RETRIEVAL CODE	7	0	0	15	15
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	15	15
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	280.5	274.4	278.9	*****	*****
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	950.	855.	865.	*****	*****
37	CLEAR SKY TEMPERATURE (K)	295.5	292.7	295.0	*****	*****
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	*****	*****
39	VIS RETRIEVAL CODE	1	1	1	15	15
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	15	15
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	3.55	2.24	2.12	*****	*****
43	AVERAGE SURFACE ALBEDO	0.18	0.19	0.19	*****	*****
44	CLOUD TOP TEMPERATURE (K)	277.8	270.9	274.4	*****	*****
45	CLOUD TOP PRESSURE (MB)	950.	780.	790.	*****	*****



Table 3. Continued.

1	MONTH/DAY	10/17	10/17	10/17	10/17	10/17
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	1	0	0	0	0
7	SHORE FLAG	1	0	0	0	0
8	LAND/OCEAN FLAG	1	0	0	0	0
9	TOPOGRAPHY FLAG	1	0	0	0	0
10	SNOW/ICE FLAG	3	0	0	0	0
11	CLOUD CODE	3	2	0	1	1
12	IR CLEAR SKY CODE	31	1	1	1	1
13	IR THRESHOLD CODE	7	4	4	5	5
14	CLEAR SKY FILTER FLAG	1	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	****	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	*****	284.7	283.2	272.7	271.5
	(COUNTS)	255	116	113	94	92
17	IR CLEAR SKY RADIANCE (K)	*****	290.7	290.7	291.2	290.7
	(COUNTS)	255	128	128	129	128
18	SOLAR GLINT FLAG	1	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	1	1	0	0	0
21	VIS DARK FLAG	1	0	0	0	0
22	VIS BRIGHT FLAG	1	0	0	0	0
23	VIS THRESHOLD CODE	7	3	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	****	52.4	52.4	52.4	52.4
25	GOES-SOLAR AZIMUTH (DEG)	*****	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	*****	0.176	0.260	0.380	0.444
	(COUNTS)	255	44	65	95	111
27	VIS CLEAR SKY RADIANCE (REFL)	*****	0.140	0.124	0.140	0.140
	(COUNTS)	255	35	31	35	35
28	DAY/NIGHT FLAG	1	0	0	0	0
29	IR THRESHOLD CODE	7	4	4	5	5
30	VIS THRESHOLD CODE	7	3	5	5	5
31	IR RETRIEVAL CODE	15	7	7	0	0
32	IR CLEAR SKY RETRIEVAL CODE	15	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	*****	287.8	286.3	273.2	271.5
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	*****	950.	950.	825.	795.
37	CLEAR SKY TEMPERATURE (K)	*****	295.5	295.5	296.0	295.5
38	CLEAR SKY PRESSURE (MB)	*****	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	15	1	1	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	15	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	*****	0.72	3.32	9.06	17.69
43	AVERAGE SURFACE ALBEDO	*****	0.21	0.18	0.21	0.21
44	CLOUD TOP TEMPERATURE (K)	*****	276.1	282.7	273.2	271.5
45	CLOUD TOP PRESSURE (MB)	*****	835.	950.	825.	795.

Table 3. Continued.

1	MONTH/DAY	10/17	10/17	10/17	10/17	10/17
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	2	0	0
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	3	3	3	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	283.2	282.7	284.7	283.7	283.2
	(COUNTS)	113	112	116	114	113
17	IR CLEAR SKY RADIANCE (K)	286.8	286.3	287.8	287.8	287.8
	(COUNTS)	120	119	122	122	122
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	2	2	3
24	SOLAR ZENITH ANGLE (DEG)	69.5	70.1	69.5	69.5	69.5
25	GOES-SOLAR AZIMUTH (DEG)	137.0	137.0	137.0	137.0	137.0
26	VIS RADIANCE (REFLECTANCE)	0.072	0.096	0.068	0.076	0.084
	(COUNTS)	18	24	17	19	21
27	VIS CLEAR SKY RADIANCE (REFL)	0.072	0.080	0.072	0.080	0.076
	(COUNTS)	18	20	18	20	19
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	3	3	3	3
30	VIS THRESHOLD CODE	3	3	2	2	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	286.3	285.8	287.8	286.8	286.3
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	950.	950.	950.	950.	950.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	290.7	290.2	292.2	292.2	292.2
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.168	0.264	0.156	0.184	0.212
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.17	0.20	0.17	0.20	0.18
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/17	10/17	10/17	10/17	10/17
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	2	0	0	0
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	4	3	3	3	4
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	281.1	285.2	283.7	283.2	281.1
	(COUNTS)	109	117	114	113	109
17	IR CLEAR SKY RADIANCE (K)	287.8	287.8	287.8	288.3	288.3
	(COUNTS)	122	122	122	123	123
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	2	2	3	3
24	SOLAR ZENITH ANGLE (DEG)	70.1	68.9	68.9	69.5	69.5
25	GOES-SOLAR AZIMUTH (DEG)	138.0	137.0	137.0	137.0	137.0
26	VIS RADIANCE (REFLECTANCE)	0.104	0.0 <sup>2</sup>	0.076	0.108	0.104
	(COUNTS)	26	18	19	27	26
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.080	0.080	0.080	0.068
	(COUNTS)	20	20	20	20	17
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	4	3	3	3	4
30	VIS THRESHOLD CODE	3	2	2	3	3
31	IR RETRIEVAL CODE	7	0	0	0	7
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	288.8	286.8	286.3	*****
34	CLOUD TOP TEMPERATURE (K)	283.7	*****	*****	*****	283.7
35	SURFACE PRESSURE (MB)	*****	950.	950.	950.	*****
36	CLOUD TOP PRESSURE (MB)	950.	*****	*****	*****	950.
37	CLEAR SKY TEMPERATURE (K)	292.2	291.7	291.7	292.7	292.7
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	1	0	0	0	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	0.164	0.180	0.296	*****
42	OPTICAL DEPTH	0.60	*****	*****	*****	0.87
43	AVERAGE SURFACE ALBEDO	0.20	0.19	0.19	0.20	0.16
44	CLOUD TOP TEMPERATURE (K)	269.1	*****	*****	*****	273.8
45	CLOUD TOP PRESSURE (MB)	740.	*****	*****	*****	850.

Table 3. Continued.

1	MONTH/DAY	10/18	10/18	10/18	10/18	10/18
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	3	2	2	2
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	4	3	3	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.9	50.9
16	IR RADIANCE (K)	281.1	273.8	283.2	283.2	282.7
	(COUNTS)	109	96	113	113	112
17	IR CLEAR SKY RADIANCE (K)	282.7	282.2	283.7	283.2	282.2
	(COUNTS)	112	111	114	113	111
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	4	2	3	3
24	SOLAR ZENITH ANGLE (DEG)	64.5	64.5	64.5	64.5	63.9
25	GOES-SOLAR AZIMUTH (DEG)	124.0	124.0	124.0	124.0	123.0
26	VIS RADIANCE (REFLECTANCE)	0.084	0.196	0.076	0.080	0.104
	(COUNTS)	21	49	19	20	26
27	VIS CLEAR SKY RADIANCE (REFL)	0.084	0.084	0.084	0.080	0.076
	(COUNTS)	21	21	21	20	19
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	4	3	3	2
30	VIS THRESHOLD CODE	3	4	2	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	282.7	*****	285.2	285.2	284.7
34	CLOUD TOP TEMPERATURE (K)	*****	274.4	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	*****	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	745.	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	284.7	284.2	285.8	285.2	284.2
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.172	*****	0.148	0.160	0.220
42	OPTICAL DEPTH	*****	6.11	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.17	0.16	0.14
44	CLOUD TOP TEMPERATURE (K)	*****	274.4	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	745.	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/18	10/18	10/18	10/18	10/18
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	2	2	2
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	3	3	3	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	281.6	282.7	282.7	283.2	283.2
	(COUNTS)	110	112	112	113	113
17	IR CLEAR SKY RADIANCE (K)	282.2	283.7	283.7	283.2	283.2
	(COUNTS)	111	114	114	113	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	3	3	2	2
24	SOLAR ZENITH ANGLE (DEG)	63.9	64.5	63.9	63.9	63.9
25	GOES-SOLAR AZIMUTH (DEG)	123.0	124.0	123.0	123.0	123.0
26	VIS RADIANCE (REFLECTANCE)	0.084	0.084	0.084	0.076	0.080
	(COUNTS)	21	21	21	19	20
27	VIS CLEAR SKY RADIANCE (REFL)	0.088	0.084	0.080	0.088	0.084
	(COUNTS)	22	21	20	22	21
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	3	3	3	3
30	VIS THRESHOLD CODE	2	3	3	2	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	283.2	284.7	284.7	285.2	285.2
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	284.2	285.8	285.8	285.2	285.2
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.168	0.172	0.168	0.144	0.156
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.18	0.17	0.16	0.18	0.17
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1 MONTH/DAY	10/18	10/18	10/18	10/18	10/18
2 HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3 LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4 LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5 GOES GROUND LOCATION	V	W	AA	BB	CC
6 DAY/NIGHT FLAG	0	0	0	0	0
7 SHORE FLAG	0	0	0	0	0
8 LAND/OCEAN FLAG	0	0	0	0	0
9 TOPOGRAPHY FLAG	0	0	0	0	0
10 SNOW/ICE FLAG	0	0	0	0	0
11 CLOUD CODE	0	1	0	0	0
12 IR CLEAR SKY CODE	1	1	1	1	1
13 IR THRESHOLD CODE	3	4	3	3	3
14 CLEAR SKY FILTER FLAG	0	0	0	0	0
15 GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.9	50.9
16 IR RADIANCE (K)	287.3	281.6	288.3	285.2	285.2
(COUNTS)	121	110	123	117	117
17 IR CLEAR SKY RADIANCE (K)	290.7	288.3	290.7	290.7	290.7
(COUNTS)	128	123	128	128	128
18 SOLAR GLINT FLAG	0	0	0	0	0
19 LONG TERM STAT FLAG	1	1	1	1	1
20 REGION STAT FLAG	0	0	0	0	0
21 VIS DARK FLAG	0	0	0	0	0
22 VIS BRIGHT FLAG	0	0	0	0	0
23 VIS THRESHOLD CODE	3	5	3	4	4
24 SOLAR ZENITH ANGLE (DEG)	53.8	53.8	53.1	53.1	53.1
25 GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26 VIS RADIANCE (REFLECTANCE)	0.160	0.312	0.148	0.192	0.212
(COUNTS)	40	78	37	48	53
27 VIS CLEAR SKY RADIANCE (REFL)	0.120	0.132	0.128	0.132	0.132
(COUNTS)	30	33	32	33	33
28 DAY/NIGHT FLAG	0	0	0	0	0
29 IR THRESHOLD CODE	3	4	3	3	3
30 VIS THRESHOLD CODE	3	5	3	4	4
31 IR RETRIEVAL CODE	0	0	0	7	7
32 IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33 SURFACE TEMPERATURE (K)	290.2	*****	291.7	*****	*****
34 CLOUD TOP TEMPERATURE (K)	*****	283.7	*****	287.8	287.8
35 SURFACE PRESSURE (MB)	1000.	*****	1000.	*****	*****
36 CLOUD TOP PRESSURE (MB)	*****	950.	*****	1000.	1000.
37 CLEAR SKY TEMPERATURE (K)	294.6	291.7	294.6	294.6	294.6
38 CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39 VIS RETRIEVAL CODE	0	1	0	1	1
40 VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41 SURFACE ALBEDO	0.252	*****	0.224	*****	*****
42 OPTICAL DEPTH	*****	5.25	*****	1.27	1.78
43 AVERAGE SURFACE ALBEDO	0.17	0.20	0.18	0.19	0.19
44 CLOUD TOP TEMPERATURE (K)	*****	281.6	*****	282.2	283.7
45 CLOUD TOP PRESSURE (MB)	*****	950.	*****	965.	1000.

Table 3. Continued.

1	MONTH/DAY	10/18	10/18	10/18	10/18	10/18
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.0	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	2	0	0	0
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	4	3	3	3	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	282.7	286.3	287.8	288.8	287.8
	(COUNTS)	112	119	122	124	122
17	IR CLEAR SKY RADIANCE (K)	290.2	290.7	290.7	291.2	290.7
	(COUNTS)	127	128	128	129	128
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	3	3	2	3
24	SOLAR ZENITH ANGLE (DEG)	53.1	52.4	53.1	53.1	53.1
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.284	0.192	0.148	0.136	0.144
	(COUNTS)	71	48	37	34	36
27	VIS CLEAR SKY RADIANCE (REFL)	0.136	0.140	0.120	0.140	0.140
	(COUNTS)	34	35	30	35	35
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	4	3	3	3	3
30	VIS THRESHOLD CODE	5	3	3	2	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	289.3	291.2	292.2	291.2
34	CLOUD TOP TEMPERATURE (K)	285.2	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	*****	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	980.	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	294.1	294.6	294.6	295.0	294.6
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	1	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	0.304	0.224	0.200	0.216
42	OPTICAL DEPTH	3.88	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.20	0.20	0.17	0.21	0.21
44	CLOUD TOP TEMPERATURE (K)	282.2	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	970.	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/18	10/18	10/18	10/18	10/18
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	2	0	0
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	3	3	3	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	285.2	285.2	285.8	285.8	285.2
	(COUNTS)	117	117	118	118	117
17	IR CLEAR SKY RADIANCE (K)	286.8	286.3	287.8	287.8	287.8
	(COUNTS)	120	119	122	122	122
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	70.1	70.7	69.5	70.1	70.1
25	GOES-SOLAR AZIMUTH (DEG)	137.0	138.0	137.0	137.0	137.0
26	VIS RADIANCE (REFLECTANCE)	0.072	0.076	0.072	0.076	0.072
	(COUNTS)	18	19	18	19	18
27	VIS CLEAR SKY RADIANCE (REFL)	0.072	0.076	0.072	0.076	0.072
	(COUNTS)	18	19	18	19	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	3	3	3	3
30	VIS THRESHOLD CODE	3	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	287.8	287.8	288.8	288.3	287.8
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	289.8	289.3	291.2	291.2	291.2
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.172	0.196	0.168	0.188	0.176
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.17	0.20	0.17	0.19	0.18
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****



Table 3. Continued.

1	MONTH/DAY	10/18	10/18	10/18	10/18	10/18
2	HOURL:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	2	2	2	2	2
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	3	3	3	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	285.2	286.3	286.3	286.3	286.3
	(COUNTS)	117	119	119	119	119
17	IR CLEAR SKY RADIANCE (K)	287.8	287.3	287.8	288.3	288.3
	(COUNTS)	122	122	122	123	123
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	3	3	2	3
24	SOLAR ZENITH ANGLE (DEG)	70.1	69.5	69.5	69.5	70.1
25	GOES-SOLAR AZIMUTH (DEG)	138.0	137.0	137.0	137.0	137.0
26	VIS RADIANCE (REFLECTANCE)	0.076	0.076	0.084	0.072	0.076
	(COUNTS)	19	19	21	18	19
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.076	0.076	0.080	0.064
	(COUNTS)	20	19	19	20	16
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	3	3	3	3
30	VIS THRESHOLD CODE	2	3	3	2	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	287.8	289.3	289.3	289.3	289.3
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	291.2	291.2	291.2	291.7	291.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.188	0.184	0.212	0.168	0.192
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.20	0.18	0.18	0.20	0.15
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/19	10/19	10/19	10/19	10/19
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	2	2	2	2
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	2	2	2	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	278.4	283.7	284.7	283.7	283.2
	(COUNTS)	104	114	116	114	113
17	IR CLEAR SKY RADIANCE (K)	282.7	282.2	283.7	283.2	282.2
	(COUNTS)	112	111	114	113	111
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	65.2	65.2	65.2	65.2	64.5
25	GOES-SOLAR AZIMUTH (DEG)	124.0	124.0	124.0	124.0	124.0
26	VIS RADIANCE (REFLECTANCE)	0.104	0.084	0.080	0.076	0.084
	(COUNTS)	26	21	20	19	21
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.080	0.080	0.076	0.072
	(COUNTS)	20	20	20	19	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	2	2	2	2
30	VIS THRESHOLD CODE	3	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	278.9	285.8	286.8	285.8	284.7
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	284.2	283.7	285.2	284.7	283.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.232	0.176	0.164	0.152	0.168
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.16	0.16	0.16	0.15	0.14
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/19	10/19	10/19	10/19	10/19
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	2	0	2	2	2
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	2	2	3	2	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.9	50.9
16	IR RADIANCE (K)	283.7	284.7	283.7	283.7	283.7
	(COUNTS)	114	116	114	114	114
17	IR CLEAR SKY RADIANCE (K)	282.2	283.7	283.7	283.2	283.2
	(COUNTS)	111	114	114	113	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	2	2	3	2
24	SOLAR ZENITH ANGLE (DEG)	64.5	64.5	64.5	64.5	64.5
25	GOES-SOLAR AZIMUTH (DEG)	124.0	124.0	124.0	124.0	123.0
26	VIS RADIANCE (REFLECTANCE)	0.076	0.072	0.064	0.084	0.080
	(COUNTS)	19	18	16	21	20
27	VIS CLEAR SKY RADIANCE (REFL)	0.084	0.084	0.076	0.084	0.084
	(COUNTS)	21	21	19	21	21
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	3	2	2
30	VIS THRESHOLD CODE	2	2	2	3	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	285.8	286.8	285.2	285.8	285.8
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	283.7	285.2	285.2	284.7	284.7
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.148	0.136	0.116	0.168	0.160
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.15	0.17	0.17
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/19	10/19	10/19	10/19	10/19
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	2	2	2
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	2	2	2	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	290.7	290.2	291.2	291.2	291.2
	(COUNTS)	128	127	129	129	129
17	IR CLEAR SKY RADIANCE (K)	290.7	288.3	290.2	290.7	290.7
	(COUNTS)	128	123	127	128	128
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	3	2	2	2
24	SOLAR ZENITH ANGLE (DEG)	54.5	54.5	53.8	53.8	53.8
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.112	0.128	0.124	0.120	0.128
	(COUNTS)	28	32	31	30	32
27	VIS CLEAR SKY RADIANCE (REFL)	0.120	0.128	0.128	0.132	0.132
	(COUNTS)	30	32	32	33	33
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	2	2	2	2
30	VIS THRESHOLD CODE	2	3	2	2	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	294.1	293.6	295.0	294.6	294.6
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	294.1	291.2	293.6	294.1	294.1
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.160	0.192	0.180	0.172	0.188
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.18	0.19	0.19	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/19	10/19	10/19	10/19	10/19
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	2	2	2	2	2
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	2	2	2	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.9	50.9
16	IR RADIANCE (K)	290.2	292.2	291.2	291.2	291.2
	(COUNTS)	127	131	129	129	129
17	IR CLEAR SKY RADIANCE (K)	290.2	290.7	290.7	290.7	290.2
	(COUNTS)	127	128	128	128	127
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	2	2	2	2
24	SOLAR ZENITH ANGLE (DEG)	53.8	53.1	53.1	53.8	53.8
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.116	0.124	0.104	0.124	0.128
	(COUNTS)	29	31	26	31	32
27	VIS CLEAR SKY RADIANCE (REFL)	0.132	0.140	0.120	0.136	0.136
	(COUNTS)	33	35	30	34	34
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	2	2	2	2
30	VIS THRESHOLD CODE	2	2	2	2	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	293.6	296.0	294.6	294.6	294.6
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	293.6	294.1	294.1	294.1	293.6
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.164	0.180	0.140	0.180	0.188
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.20	0.21	0.17	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/19	10/19	10/19	10/19	10/19
2	HOURL:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	2	2
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	2	2	2	2	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	288.3	288.3	288.3	288.3	287.8
	(COUNTS)	123	123	123	123	122
17	IR CLEAR SKY RADIANCE (K)	286.8	286.3	287.8	287.8	287.8
	(COUNTS)	120	119	122	122	122
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	70.1	70.7	70.1	70.1	70.1
25	GOES-SOLAR AZIMUTH (DEG)	137.0	138.0	137.0	137.0	138.0
26	VIS RADIANCE (REFLECTANCE)	0.072	0.076	0.072	0.076	0.072
	(COUNTS)	18	19	18	19	18
27	VIS CLEAR SKY RADIANCE (REFL)	0.072	0.076	0.072	0.076	0.072
	(COUNTS)	18	19	18	19	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	2	2	3
30	VIS THRESHOLD CODE	3	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	291.2	291.2	291.2	291.2	290.7
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	289.3	288.8	290.7	290.7	290.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.172	0.196	0.176	0.188	0.172
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.17	0.20	0.18	0.19	0.17
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/19	10/19	10/19	10/19	10/19
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.0	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	2	2	2	2	2
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	2	2	3	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	287.3	288.3	288.3	288.3	288.3
	(COUNTS)	121	123	123	123	123
17	IR CLEAR SKY RADIANCE (K)	287.8	287.8	287.8	288.3	288.3
	(COUNTS)	122	122	122	123	123
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	70.7	69.5	70.1	70.1	70.7
25	GOES-SOLAR AZIMUTH (DEG)	138.0	137.0	137.0	138.0	138.0
26	VIS RADIANCE (REFLECTANCE)	0.076	0.076	0.076	0.076	0.076
	(COUNTS)	19	19	19	19	19
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.076	0.072	0.076	0.064
	(COUNTS)	20	19	18	19	16
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	2	2	3	3
30	VIS THRESHOLD CODE	2	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	290.2	291.2	291.2	291.2	291.2
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	290.7	290.7	290.7	291.2	291.2
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.196	0.184	0.192	0.188	0.196
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.21	0.18	0.18	0.19	0.15
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/20	10/20	10/20	10/20	10/20
2	HOURL:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	2	2	0	0
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	2	2	2	2	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	285.8	283.2	287.3	285.8	285.2
	(COUNTS)	118	113	121	118	117
17	IR CLEAR SKY RADIANCE (K)	282.7	282.2	283.7	283.2	282.2
	(COUNTS)	112	111	114	113	111
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	65.2	65.2	65.2	65.2	65.2
25	GOES-SOLAR AZIMUTH (DEG)	124.0	124.0	124.0	124.0	124.0
26	VIS RADIANCE (REFLECTANCE)	0.084	0.088	0.084	0.084	0.088
	(COUNTS)	21	22	21	21	22
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.080	0.080	0.076	0.072
	(COUNTS)	20	20	20	19	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	2	2	2
30	VIS THRESHOLD CODE	3	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	289.3	285.8	291.7	289.3	288.3
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	985.	985.	970.	985.	985.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	285.2	284.7	286.8	285.8	284.7
38	CLEAR SKY PRESSURE (MB)	985.	985.	970.	985.	985.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.176	0.184	0.176	0.176	0.188
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.16	0.16	0.16	0.15	0.14
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****



Table 3. Continued.

1	MONTH/DAY	10/20	10/20	10/20	10/20	10/20
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	2	2	0	2	1
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	2	2	2	2	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.9	50.9
16	IR RADIANCE (K)	283.2	287.3	285.8	284.7	265.4
	(COUNTS)	113	121	118	116	82
17	IR CLEAR SKY RADIANCE (K)	282.2	283.7	283.7	283.2	283.2
	(COUNTS)	111	114	114	113	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	2	3	3	5
24	SOLAR ZENITH ANGLE (DEG)	64.5	65.2	64.5	64.5	64.5
25	GOES-SOLAR AZIMUTH (DEG)	124.0	124.0	124.0	124.0	124.0
26	VIS RADIANCE (REFLECTANCE)	0.112	0.080	0.084	0.088	0.244
	(COUNTS)	28	20	21	22	61
27	VIS CLEAR SKY RADIANCE (REFL)	0.084	0.084	0.076	0.084	0.084
	(COUNTS)	21	21	19	21	21
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	2	2	5
30	VIS THRESHOLD CODE	3	2	3	3	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	285.8	291.7	289.3	287.8	*****
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	266.0
35	SURFACE PRESSURE (MB)	985.	970.	985.	985.	*****
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	625.
37	CLEAR SKY TEMPERATURE (K)	284.7	286.8	286.3	285.8	285.8
38	CLEAR SKY PRESSURE (MB)	985.	970.	985.	985.	985.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.248	0.164	0.172	0.180	*****
42	OPTICAL DEPTH	*****	*****	*****	*****	14.51
43	AVERAGE SURFACE ALBEDO	0.17	0.18	0.15	0.17	0.17
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	266.0
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	625.

Table 3. Continued.

1	MONTH/DAY	10/20	10/20	10/20	10/20	10/20
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	1	1	0	0	0
7	SHORE FLAG	1	1	0	0	0
8	LAND/OCEAN FLAG	1	1	0	0	0
9	TOPOGRAPHY FLAG	1	1	0	0	0
10	SNOW/ICE FLAG	3	3	0	0	0
11	CLOUD CODE	3	3	2	2	2
12	IR CLEAR SKY CODE	31	31	1	1	1
13	IR THRESHOLD CODE	7	7	2	2	2
14	CLEAR SKY FILTER FLAG	1	1	0	0	0
15	GOES ZENITH ANGLE (DEG)	****	****	50.9	50.9	50.9
16	IR RADIANCE (K)	*****	*****	292.2	292.2	291.7
	(COUNTS)	255	255	131	131	130
17	IR CLEAR SKY RADIANCE (K)	*****	*****	290.2	290.7	290.7
	(COUNTS)	255	255	127	128	128
18	SOLAR GLINT FLAG	1	1	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	1	1	0	0	0
21	VIS DARK FLAG	1	1	0	0	0
22	VIS BRIGHT FLAG	1	1	0	0	0
23	VIS THRESHOLD CODE	7	7	2	2	2
24	SOLAR ZENITH ANGLE (DEG)	****	****	53.8	53.8	54.5
25	GOES-SOLAR AZIMUTH (DEG)	*****	*****	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	*****	*****	0.120	0.120	0.124
	(COUNTS)	255	255	30	30	31
27	VIS CLEAR SKY RADIANCE (REFL)	*****	*****	0.128	0.132	0.128
	(COUNTS)	255	255	32	33	32
28	DAY/NIGHT FLAG	1	1	0	0	0
29	IR THRESHOLD CODE	7	7	2	2	2
30	VIS THRESHOLD CODE	7	7	2	2	2
31	IR RETRIEVAL CODE	15	15	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	15	15	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	297.8	297.4	296.9
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	*****	*****	970.	985.	985.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	*****	*****	295.5	295.5	295.5
38	CLEAR SKY PRESSURE (MB)	*****	*****	970.	985.	985.
39	VIS RETRIEVAL CODE	15	15	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	15	15	0	0	0
41	SURFACE ALBEDO	*****	*****	0.172	0.172	0.184
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	*****	*****	0.19	0.20	0.19
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/20	10/20	10/20	10/20	10/20
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	2	2	2	2	2
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	2	2	2	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	289.3	292.2	292.2	291.7	291.7
	(COUNTS)	125	131	131	130	130
17	IR CLEAR SKY RADIANCE (K)	290.2	290.7	290.7	291.2	290.7
	(COUNTS)	127	128	128	129	128
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	2	3	2	2
24	SOLAR ZENITH ANGLE (DEG)	54.5	53.1	53.1	53.1	53.1
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.132	0.124	0.132	0.124	0.128
	(COUNTS)	33	31	33	31	32
27	VIS CLEAR SKY RADIANCE (REFL)	0.132	0.140	0.120	0.140	0.140
	(COUNTS)	33	35	30	35	35
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	2	2	2	2
30	VIS THRESHOLD CODE	3	2	3	2	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	293.6	297.8	297.4	296.5	296.5
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	985.	970.	985.	985.	985.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	295.0	296.0	295.5	296.0	295.5
38	CLEAR SKY PRESSURE (MB)	985.	970.	985.	985.	985.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.200	0.180	0.192	0.176	0.184
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.20	0.21	0.17	0.21	0.21
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/20	10/20	10/20	10/20	10/20
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	1	0	0	0
7	SHORE FLAG	0	1	0	0	0
8	LAND/OCEAN FLAG	0	1	0	0	0
9	TOPOGRAPHY FLAG	0	1	0	0	0
10	SNOW/ICE FLAG	0	3	0	0	0
11	CLOUD CODE	1	3	0	2	2
12	IR CLEAR SKY CODE	1	31	1	1	1
13	IR THRESHOLD CODE	5	7	3	2	2
14	CLEAR SKY FILTER FLAG	0	1	0	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	****	50.9	50.9	50.9
16	IR RADIANCE (K)	271.5	*****	285.8	288.8	289.8
	(COUNTS)	92	255	118	124	126
17	IR CLEAR SKY RADIANCE (K)	286.8	*****	287.8	287.8	287.8
	(COUNTS)	120	255	122	122	122
18	SOLAR GLINT FLAG	0	1	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	1	0	0	0
22	VIS BRIGHT FLAG	0	1	0	0	0
23	VIS THRESHOLD CODE	2	7	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	70.7	****	70.1	70.7	70.7
25	GOES-SOLAR AZIMUTH (DEG)	138.0	*****	137.0	138.0	138.0
26	VIS RADIANCE (REFLECTANCE)	0.064	*****	0.092	0.084	0.076
	(COUNTS)	16	255	23	21	19
27	VIS CLEAR SKY RADIANCE (REFL)	0.068	*****	0.072	0.076	0.072
	(COUNTS)	17	255	18	19	18
28	DAY/NIGHT FLAG	0	1	0	0	0
29	IR THRESHOLD CODE	5	7	3	2	2
30	VIS THRESHOLD CODE	2	7	3	3	3
31	IR RETRIEVAL CODE	0	15	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	15	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	289.8	293.2	294.1
34	CLOUD TOP TEMPERATURE (K)	272.1	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	*****	*****	970.	985.	985.
36	CLOUD TOP PRESSURE (MB)	730.	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	290.7	*****	292.2	291.7	291.7
38	CLEAR SKY PRESSURE (MB)	985.	*****	970.	985.	985.
39	VIS RETRIEVAL CODE	6	15	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	15	0	0	0
41	SURFACE ALBEDO	*****	*****	0.248	0.228	0.196
42	OPTICAL DEPTH	0.40	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.16	*****	0.18	0.20	0.18
44	CLOUD TOP TEMPERATURE (K)	206.2	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	120.	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/20	10/20	10/20	10/20	10/20
2	HOURL:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	2	2	2	2	2
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	2	2	2	3	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	288.8	291.2	290.7	286.3	288.8
	(COUNTS)	124	129	128	119	124
17	IR CLEAR SKY RADIANCE (K)	287.8	287.8	287.8	288.3	288.3
	(COUNTS)	122	122	122	123	123
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	70.7	70.1	70.1	70.1	70.7
25	GOES-SOLAR AZIMUTH (DEG)	138.0	137.0	137.0	138.0	138.0
26	VIS RADIANCE (REFLECTANCE)	0.080	0.076	0.088	0.112	0.076
	(COUNTS)	20	19	22	28	19
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.072	0.072	0.076	0.064
	(COUNTS)	20	18	18	19	16
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	2	3	2
30	VIS THRESHOLD CODE	3	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	293.2	296.5	295.5	289.8	293.2
34	CLOUD TOP TEMPERATURE (K)	****	****	****	****	****
35	SURFACE PRESSURE (MB)	985.	970.	985.	985.	985.
36	CLOUD TOP PRESSURE (MB)	****	****	****	****	****
37	CLEAR SKY TEMPERATURE (K)	291.7	292.2	291.7	292.2	292.2
38	CLEAR SKY PRESSURE (MB)	985.	970.	985.	985.	985.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.212	0.192	0.232	0.320	0.196
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.21	0.18	0.18	0.19	0.15
44	CLOUD TOP TEMPERATURE (K)	****	****	****	****	****
45	CLOUD TOP PRESSURE (MB)	****	****	****	****	****

Table 3. Continued.

1	MONTH/DAY	10/21	10/21	10/21	10/21	10/21
2	HR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	2	0	0
12	IR CLEAR SKY CODE	2	2	1	1	9
13	IR THRESHOLD CODE	2	2	2	2	2
14	CLEAR SKY FILTER FLAG	1	0	1	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.9	50.9
16	IR RADIANCE (K)	288.3	288.3	288.3	288.8	288.3
	(COUNTS)	123	123	123	124	123
17	IR CLEAR SKY RADIANCE (K)	285.2	283.7	285.2	288.3	281.6
	(COUNTS)	117	114	117	123	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	65.8	65.2	65.2	65.2	65.2
25	GOES-SOLAR AZIMUTH (DEG)	125.0	124.0	125.0	124.0	124.0
26	VIS RADIANCE (REFLECTANCE)	0.084	0.080	0.084	0.080	0.084
	(COUNTS)	21	20	21	20	21
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.080	0.080	0.076	0.072
	(COUNTS)	20	20	20	19	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	2	2	2
30	VIS THRESHOLD CODE	3	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	290.7	290.7	291.7	291.2	290.7
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	286.8	284.7	287.3	290.7	281.6
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.180	0.164	0.176	0.164	0.176
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.17	0.16	0.16	0.15	0.14
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/21	10/21	10/21	10/21	10/21
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	2	0	0	0
12	IR CLEAR SKY CODE	2	1	1	9	9
13	IR THRESHOLD CODE	2	2	3	2	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	287.8	288.3	288.3	288.8	288.8
	(COUNTS)	122	123	123	124	124
17	IR CLEAR SKY RADIANCE (K)	283.7	285.2	288.3	282.7	283.2
	(COUNTS)	114	117	123	112	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	65.2	65.2	65.2	64.5	64.5
25	GOES-SOLAR AZIMUTH (DEG)	124.0	124.0	124.0	124.0	124.0
26	VIS RADIANCE (REFLECTANCE)	0.084	0.088	0.084	0.088	0.084
	(COUNTS)	21	22	21	22	21
27	VIS CLEAR SKY RADIANCE (REFL)	0.084	0.084	0.076	0.084	0.084
	(COUNTS)	21	21	19	21	21
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	3	2	2
30	VIS THRESHOLD CODE	3	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	290.2	291.7	290.7	291.2	291.2
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	284.7	287.3	290.7	283.2	284.2
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.176	0.188	0.176	0.180	0.172
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.18	0.18	0.15	0.17	0.17
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/21	10/21	10/21	10/21	10/21
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	2	2	0
12	IR CLEAR SKY CODE	1	9	1	1	1
13	IR THRESHOLD CODE	3	2	3	3	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.9	50.9	50.9
16	IR RADIANCE (K)	294.1	292.2	294.1	294.1	294.1
	(COUNTS)	135	131	135	135	135
17	IR CLEAR SKY RADIANCE (K)	294.1	288.3	294.1	294.1	294.1
	(COUNTS)	135	123	135	135	135
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	2	2	3	3
24	SOLAR ZENITH ANGLE (DEG)	54.5	54.5	54.5	54.5	54.5
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.108	0.124	0.116	0.128	0.132
	(COUNTS)	27	31	29	32	33
27	VIS CLEAR SKY RADIANCE (REFL)	0.120	0.128	0.124	0.128	0.128
	(COUNTS)	30	32	31	32	32
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	2	3	3	3
30	VIS THRESHOLD CODE	2	2	2	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	298.3	296.0	299.6	298.3	298.3
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	298.3	290.7	299.6	298.3	298.3
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.152	0.184	0.168	0.192	0.200
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.18	0.19	0.18	0.19	0.19
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****



Table 3. Continued.

1	MONTH/DAY	10/21	10/21	10/21	10/21	10/21
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	2	2	0	0
12	IR CLEAR SKY CODE	9	1	1	1	9
13	IR THRESHOLD CODE	2	3	3	3	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	293.2	294.1	294.1	294.1	294.1
	(COUNTS)	133	135	135	135	135
17	IR CLEAR SKY RADIANCE (K)	290.2	294.1	294.1	294.1	290.2
	(COUNTS)	127	135	135	135	127
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	2	3	2	2
24	SOLAR ZENITH ANGLE (DEG)	54.5	53.8	53.8	53.8	53.8
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.116	0.128	0.132	0.128	0.124
	(COUNTS)	29	32	33	32	31
27	VIS CLEAR SKY RADIANCE (REFL)	0.132	0.136	0.120	0.136	0.136
	(COUNTS)	33	34	30	34	34
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	3	3	3	2
30	VIS THRESHOLD CODE	2	2	3	2	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	296.9	299.2	298.3	298.3	298.3
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	293.2	299.2	298.3	298.3	293.2
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.168	0.188	0.196	0.188	0.180
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.20	0.20	0.17	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/21	10/21	10/21	10/21	10/21
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	2	2
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	3	3	3	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.2	50.9
16	IR RADIANCE (K)	286.3	287.3	291.2	290.7	290.7
	(COUNTS)	119	121	129	128	128
17	IR CLEAR SKY RADIANCE (K)	290.2	290.2	291.2	290.7	290.2
	(COUNTS)	127	127	129	128	127
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	70.7	71.3	70.1	70.7	70.7
25	GOES-SOLAR AZIMUTH (DEG)	138.0	138.0	138.0	138.0	138.0
26	VIS RADIANCE (REFLECTANCE)	0.124	0.108	0.076	0.084	0.084
	(COUNTS)	31	27	19	21	21
27	VIS CLEAR SKY RADIANCE (REFL)	0.068	0.076	0.072	0.076	0.072
	(COUNTS)	17	19	18	19	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	3	3	3	2
30	VIS THRESHOLD CODE	3	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	287.8	289.3	295.5	293.6	294.1
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	293.2	293.2	295.5	293.6	293.2
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.376	0.328	0.192	0.228	0.224
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.16	0.20	0.18	0.20	0.18
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/21	10/21	10/21	10/21	10/21
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	2	2	2	0	0
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	3	3	3	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	49.5	49.5	50.2	50.2
16	IR RADIANCE (K)	290.2	291.2	291.2	291.2	291.2
	(COUNTS)	127	129	129	129	129
17	IR CLEAR SKY RADIANCE (K)	290.2	291.2	291.2	291.2	291.2
	(COUNTS)	127	129	129	129	129
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	70.7	70.1	70.1	70.7	70.7
25	GOES-SOLAR AZIMUTH (DEG)	138.0	137.0	138.0	138.0	138.0
26	VIS RADIANCE (REFLECTANCE)	0.076	0.080	0.076	0.084	0.072
	(COUNTS)	19	20	19	21	18
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.072	0.072	0.076	0.064
	(COUNTS)	20	18	18	19	16
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	3	3	3	3
30	VIS THRESHOLD CODE	2	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	293.2	295.5	294.6	294.6	294.6
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	293.2	295.5	294.6	294.6	294.6
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.196	0.208	0.192	0.228	0.180
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.21	0.18	0.18	0.20	0.15
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/22	10/22	10/22	10/22	10/22
2	HOOR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	2	2	1	1	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	1	0	1	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	243.7	246.9	235.7	243.7	250.1
	(COUNTS)	52	56	43	52	60
17	IR CLEAR SKY RADIANCE (K)	285.2	283.7	285.2	288.3	281.6
	(COUNTS)	117	114	117	123	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	4	4	5	4	4
24	SOLAR ZENITH ANGLE (DEG)	65.8	65.8	65.8	65.8	65.8
25	GOES-SOLAR AZIMUTH (DEG)	125.0	125.0	125.0	125.0	125.0
26	VIS RADIANCE (REFLECTANCE)	0.196	0.172	0.204	0.188	0.176
	(COUNTS)	49	43	51	47	44
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.080	0.080	0.076	0.072
	(COUNTS)	20	20	20	19	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	4	4	5	4	4
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	243.7	246.9	235.7	243.7	250.1
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	400.	420.	340.	400.	440.
37	CLEAR SKY TEMPERATURE (K)	287.8	285.8	289.3	292.2	283.2
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	0	1	0	0	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	6.94	4.67	8.44	6.34	5.35
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.17	0.16	0.14
44	CLOUD TOP TEMPERATURE (K)	243.7	246.1	235.7	243.7	249.3
45	CLOUD TOP PRESSURE (MB)	400.	415.	340.	400.	435.

Table 3. Continued.

1	MONTH/DAY	10/22	10/22	10/22	10/22	10/22
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	2	1	1	9	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.9	50.9
16	IR RADIANCE (K)	245.3	223.6	232.7	235.7	256.7
	(COUNTS)	54	36	40	43	69
17	IR CLEAR SKY RADIANCE (K)	283.7	285.2	288.3	282.7	283.2
	(COUNTS)	114	117	123	112	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	4	5	5	5	4
24	SOLAR ZENITH ANGLE (DEG)	65.2	65.8	65.2	65.2	65.2
25	GOES-SOLAR AZIMUTH (DEG)	124.0	125.0	125.0	124.0	124.0
26	VIS RADIANCE (REFLECTANCE)	0.188	0.268	0.232	0.240	0.148
	(COUNTS)	47	67	58	60	37
27	VIS CLEAR SKY RADIANCE (REFL)	0.084	0.080	0.076	0.084	0.080
	(COUNTS)	21	20	19	21	20
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	4	5	5	5	4
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	245.3	228.6	232.7	235.7	256.7
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	410.	285.	335.	355.	505.
37	CLEAR SKY TEMPERATURE (K)	285.8	289.3	292.2	284.7	285.2
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	6.11	36.45	13.52	16.15	3.25
43	AVERAGE SURFACE ALBEDO	0.18	0.17	0.15	0.18	0.16
44	CLOUD TOP TEMPERATURE (K)	245.3	228.6	232.7	235.7	254.6
45	CLOUD TOP PRESSURE (MB)	410.	285.	335.	355.	480.

Table 3. Continued.

1	MONTH/DAY	10/22	10/22	10/22	10/22	10/22
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	1	9	1	1	1
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.9	50.9	50.9
16	IR RADIANCE (K)	231.7	231.7	240.1	235.7	228.6
	(COUNTS)	39	39	48	43	36
17	IR CLEAR SKY RADIANCE (K)	294.1	288.3	294.1	294.1	294.1
	(COUNTS)	135	123	135	135	135
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	55.2	55.2	54.5	54.5	54.5
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.320	0.284	0.268	0.320	0.340
	(COUNTS)	80	71	67	80	85
27	VIS CLEAR SKY RADIANCE (REFL)	0.116	0.128	0.124	0.128	0.128
	(COUNTS)	29	32	31	32	32
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	231.7	231.7	240.1	235.7	228.6
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	330.	330.	370.	355.	310.
37	CLEAR SKY TEMPERATURE (K)	300.1	292.2	301.4	300.1	300.1
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	0	1	1	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	6.82	4.67	3.96	6.22	7.59
43	AVERAGE SURFACE ALBEDO	0.17	0.20	0.18	0.19	0.19
44	CLOUD TOP TEMPERATURE (K)	231.7	229.6	236.6	235.7	228.6
45	CLOUD TOP PRESSURE (MB)	330.	315.	345.	355.	310.

Table 3. Continued.

1	MONTH/DAY	10/22	10/22	10/22	10/22	10/22
2	HOUR:MIN (GMT)	18:04	13:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	9	1	1	1	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	227.5	231.7	234.8	232.7	231.7
	(COUNTS)	35	39	42	40	39
17	IR CLEAR SKY RADIANCE (K)	290.2	294.1	294.1	294.1	290.2
	(COUNTS)	127	135	135	135	127
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	54.5	54.5	54.5	54.5	54.5
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.348	0.340	0.468	0.452	0.296
	(COUNTS)	87	85	117	113	74
27	VIS CLEAR SKY RADIANCE (REFL)	0.132	0.132	0.116	0.132	0.132
	(COUNTS)	33	33	29	33	33
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	227.5	231.7	234.8	232.7	231.7
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	310.	310.	345.	335.	330.
37	CLEAR SKY TEMPERATURE (K)	294.6	301.4	300.1	300.1	294.6
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	8.01	7.73	38.29	29.63	5.05
43	AVERAGE SURFACE ALBEDO	0.20	0.20	0.17	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	227.5	231.7	234.8	232.7	230.6
45	CLOUD TOP PRESSURE (MB)	310.	310.	345.	335.	320.

Table 3. Continued.

1 MONTH/DAY	10/22	10/22	10/22	10/22	10/22
2 HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3 LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4 LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5 GOES GROUND LOCATION	V	W	AA	BB	CC
6 DAY/NIGHT FLAG	0	0	0	0	0
7 SHORE FLAG	0	0	0	0	0
8 LAND/OCEAN FLAG	0	0	0	0	0
9 TOPOGRAPHY FLAG	0	0	0	0	0
10 SNOW/ICE FLAG	0	0	0	0	0
11 CLOUD CODE	1	1	1	1	1
12 IR CLEAR SKY CODE	1	1	1	1	1
13 IR THRESHOLD CODE	5	5	5	5	5
14 CLEAR SKY FILTER FLAG	0	0	0	0	0
15 GOES ZENITH ANGLE (DEG)	51.7	51.7	50.2	50.2	50.2
16 IR RADIANCE (K)	236.6	225.4	226.5	228.6	224.4
(COUNTS)	44	33	34	36	32
17 IR CLEAR SKY RADIANCE (K)	290.2	290.2	291.2	290.7	290.7
(COUNTS)	127	127	129	128	128
18 SOLAR GLINT FLAG	0	0	0	0	0
19 LONG TERM STAT FLAG	1	1	1	1	1
20 REGION STAT FLAG	0	0	0	0	0
21 VIS DARK FLAG	0	0	0	0	0
22 VIS BRIGHT FLAG	0	0	0	0	0
23 VIS THRESHOLD CODE	4	5	5	5	5
24 SOLAR ZENITH ANGLE (DEG)	71.3	71.3	70.7	71.3	71.3
25 GOES-SOLAR AZIMUTH (DEG)	138.0	138.0	138.0	138.0	138.0
26 VIS RADIANCE (REFLECTANCE)	0.176	0.208	0.232	0.248	0.224
(COUNTS)	44	52	58	62	56
27 VIS CLEAR SKY RADIANCE (REFL)	0.064	0.076	0.068	0.072	0.068
(COUNTS)	16	19	17	18	17
28 DAY/NIGHT FLAG	0	0	0	0	0
29 IR THRESHOLD CODE	5	5	5	5	5
30 VIS THRESHOLD CODE	4	5	5	5	5
31 IR RETRIEVAL CODE	0	0	0	0	0
32 IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33 SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34 CLOUD TOP TEMPERATURE (K)	236.6	225.4	226.5	228.6	224.4
35 SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36 CLOUD TOP PRESSURE (MB)	360.	310.	265.	310.	310.
37 CLEAR SKY TEMPERATURE (K)	294.6	294.6	297.4	295.5	295.5
38 CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39 VIS RETRIEVAL CODE	0	0	0	0	0
40 VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41 SURFACE ALBEDO	*****	*****	*****	*****	*****
42 OPTICAL DEPTH	8.15	25.54	39.26	84.38	39.26
43 AVERAGE SURFACE ALBEDO	0.16	0.20	0.17	0.19	0.17
44 CLOUD TOP TEMPERATURE (K)	236.6	225.4	226.5	228.6	224.4
45 CLOUD TOP PRESSURE (MB)	360.	310.	265.	310.	310.



Table 3. Continued.

1	MONTH/DAY	10/23	10/23	10/23	10/23	10/23
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	2	2	1	1	9
13	IR THRESHOLD CODE	4	4	4	5	4
14	CLEAR SKY FILTER FLAG	1	0	1	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	273.8	272.7	276.1	275.6	273.8
	(COUNTS)	96	94	100	99	96
17	IR CLEAR SKY RADIANCE (K)	285.2	283.7	285.2	288.3	281.6
	(COUNTS)	117	114	117	123	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	66.4	66.4	66.4	65.8	65.8
25	GOES-SOLAR AZIMUTH (DEG)	125.0	125.0	125.0	125.0	125.0
26	VIS RADIANCE (REFLECTANCE)	0.224	0.276	0.252	0.256	0.276
	(COUNTS)	56	69	63	64	69
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	0.076	0.076	0.076	0.072
	(COUNTS)	19	19	19	19	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	4	4	4	5	4
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	274.4	273.2	277.3	276.7	274.4
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	770.	750.	810.	810.	770.
37	CLEAR SKY TEMPERATURE (K)	288.8	286.8	288.8	292.7	283.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	11.76	42.42	22.63	21.77	37.35
43	AVERAGE SURFACE ALBEDO	0.16	0.16	0.16	0.16	0.14
44	CLOUD TOP TEMPERATURE (K)	274.4	273.2	277.3	276.7	274.4
45	CLOUD TOP PRESSURE (MB)	770.	750.	810.	810.	770.

Table 3. Continued.

1	MONTH/DAY	10/22	10/22	10/22	10/22	10/22
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	1	1	1	0
7	SHORE FLAG	0	1	1	1	0
8	LAND/OCEAN FLAG	0	1	1	1	0
9	TOPOGRAPHY FLAG	0	1	1	1	0
10	SNOW/ICE FLAG	0	3	3	3	0
11	CLOUD CODE	1	3	3	3	1
12	IR CLEAR SKY CODE	1	31	31	31	1
13	IR THRESHOLD CODE	5	7	7	7	5
14	CLEAR SKY FILTER FLAG	0	1	1	1	0
15	GOES ZENITH ANGLE (DEG)	50.2	****	****	****	50.2
16	IR RADIANCE (K)	225.4	*****	*****	*****	225.4
	(COUNTS)	33	255	255	255	33
17	IR CLEAR SKY RADIANCE (K)	290.2	*****	*****	*****	291.2
	(COUNTS)	127	255	255	255	129
18	SOLAR GLINT FLAG	0	1	1	1	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	1	1	0
21	VIS DARK FLAG	0	1	1	1	0
22	VIS BRIGHT FLAG	0	1	1	1	0
23	VIS THRESHOLD CODE	5	7	7	7	5
24	SOLAR ZENITH ANGLE (DEG)	71.3	****	****	****	71.3
25	GOES-SOLAR AZIMUTH (DEG)	138.0	*****	*****	*****	138.0
26	VIS RADIANCE (REFLECTANCE)	0.200	*****	*****	*****	0.216
	(COUNTS)	50	255	255	255	54
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	*****	*****	*****	0.060
	(COUNTS)	19	255	255	255	15
28	DAY/NIGHT FLAG	0	1	1	1	0
29	IR THRESHOLD CODE	5	7	7	7	5
30	VIS THRESHOLD CODE	5	7	7	7	5
31	IR RETRIEVAL CODE	0	15	15	15	0
32	IR CLEAR SKY RETRIEVAL CODE	0	15	15	15	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	225.4	*****	*****	*****	225.4
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	310.	*****	*****	*****	310.
37	CLEAR SKY TEMPERATURE (K)	294.6	*****	*****	*****	296.0
38	CLEAR SKY PRESSURE (MB)	1000.	*****	*****	*****	1000.
39	VIS RETRIEVAL CODE	0	15	15	15	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	15	15	15	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	23.08	*****	*****	*****	33.94
43	AVERAGE SURFACE ALBEDO	0.20	*****	*****	*****	0.14
44	CLOUD TOP TEMPERATURE (K)	225.4	*****	*****	*****	225.4
45	CLOUD TOP PRESSURE (MB)	310.	*****	*****	*****	310.

Table 3. Continued.

1	MONTH/DAY	10/23	10/23	10/23	10/23	10/23
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	1	1	0	0
12	IR CLEAR SKY CODE	2	1	1	9	9
13	IR THRESHOLD CODE	4	5	5	4	4
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.9	50.9
16	IR RADIANCE (K)	273.2	271.5	270.3	272.7	272.7
	(COUNTS)	95	92	90	94	94
17	IR CLEAR SKY RADIANCE (K)	283.7	285.2	288.3	282.7	283.2
	(COUNTS)	114	117	123	112	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	65.8	65.8	65.8	65.2	65.2
25	GOES-SOLAR AZIMUTH (DEG)	125.0	125.0	125.0	125.0	124.0
26	VIS RADIANCE (REFLECTANCE)	0.320	0.296	0.352	0.320	0.320
	(COUNTS)	80	74	88	80	80
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.080	0.072	0.084	0.080
	(COUNTS)	20	20	18	21	20
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	4	5	5	4	4
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	273.8	272.1	270.3	273.2	273.2
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	760.	710.	700.	745.	745.
37	CLEAR SKY TEMPERATURE (K)	286.3	288.8	292.7	285.2	285.8
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	101.01	74.72	119.59	88.06	92.02
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.14	0.18	0.16
44	CLOUD TOP TEMPERATURE (K)	273.8	272.1	270.3	273.2	273.2
45	CLOUD TOP PRESSURE (MB)	760.	710.	700.	745.	745.

Table 3. Continued.

1	MONTH/DAY	10/23	10/23	10/23	10/23	10/23
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	1
12	IR CLEAR SKY CODE	1	9	1	1	1
13	IR THRESHOLD CODE	5	4	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.9	50.9
16	IR RADIANCE (K)	273.8	277.8	272.7	272.7	271.5
	(COUNTS)	96	103	94	94	92
17	IR CLEAR SKY RADIANCE (K)	294.1	288.3	294.1	294.1	294.1
	(COUNTS)	135	123	135	135	135
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	55.2	55.2	55.2	55.2	55.2
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.432	0.316	0.476	0.496	0.420
	(COUNTS)	108	79	119	124	105
27	VIS CLEAR SKY RADIANCE (REFL)	0.116	0.128	0.124	0.128	0.128
	(COUNTS)	29	32	31	32	32
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	4	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	****	****	****	****	****
34	CLOUD TOP TEMPERATURE (K)	274.4	278.9	273.2	273.2	272.1
35	SURFACE PRESSURE (MB)	****	****	****	****	****
36	CLOUD TOP PRESSURE (MB)	770.	860.	735.	745.	725.
37	CLEAR SKY TEMPERATURE (K)	300.1	292.7	300.5	300.1	300.1
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	****	****	****	****	****
42	OPTICAL DEPTH	24.03	6.11	50.11	74.72	19.78
43	AVERAGE SURFACE ALBEDO	0.17	0.20	0.19	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	274.4	278.9	273.2	273.2	272.1
45	CLOUD TOP PRESSURE (MB)	770.	860.	735.	745.	725.

Table 3. Continued.

1	MONTH/DAY	10/23	10/23	10/23	10/23	10/23
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	9	1	1	1	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	273.8	276.7	272.7	272.7	273.2
	(COUNTS)	96	101	94	94	95
17	IR CLEAR SKY RADIANCE (K)	290.2	294.1	294.1	294.1	290.2
	(COUNTS)	127	135	135	135	127
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	55.2	54.5	54.5	54.5	54.5
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.352	0.588	0.464	0.480	0.480
	(COUNTS)	88	147	116	120	120
27	VIS CLEAR SKY RADIANCE (REFL)	0.128	0.132	0.116	0.132	0.132
	(COUNTS)	32	33	29	33	33
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	274.4	277.8	273.2	273.2	273.8
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	770.	825.	745.	745.	760.
37	CLEAR SKY TEMPERATURE (K)	295.0	300.5	300.1	300.1	295.0
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	8.74	119.59	34.74	44.76	44.76
43	AVERAGE SURFACE ALBEDO	0.20	0.20	0.17	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	274.4	277.8	273.2	273.2	273.8
45	CLOUD TOP PRESSURE (MB)	770.	825.	745.	745.	760.

Table 3. Continued.

1	MONTH/DAY	10/23	10/23	10/23	10/23	10/23
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	5	5	5	4	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.9	50.9
16	IR RADIANCE (K)	275.6	275.6	276.7	278.9	276.7
	(COUNTS)	99	99	101	105	101
17	IR CLEAR SKY RADIANCE (K)	290.2	290.2	291.2	290.2	290.2
	(COUNTS)	127	127	129	127	127
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	71.3	71.3	70.7	71.3	71.3
25	GOES-SOLAR AZIMUTH (DEG)	138.0	138.0	138.0	138.0	138.0
26	VIS RADIANCE (REFLECTANCE)	0.244	0.260	0.240	0.192	0.196
	(COUNTS)	61	65	60	48	49
27	VIS CLEAR SKY RADIANCE (REFL)	0.064	0.076	0.068	0.072	0.068
	(COUNTS)	16	19	17	18	17
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	4	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	276.7	276.7	277.8	280.5	277.8
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	810.	810.	825.	885.	835.
37	CLEAR SKY TEMPERATURE (K)	295.0	295.0	296.9	295.0	295.0
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	62.40	92.02	44.76	11.76	14.51
43	AVERAGE SURFACE ALBEDO	0.16	0.20	0.17	0.19	0.17
44	CLOUD TOP TEMPERATURE (K)	276.7	276.7	277.8	280.5	277.8
45	CLOUD TOP PRESSURE (MB)	810.	810.	825.	885.	835.

Table 3. Continued.

1	MONTH/DAY	10/23	10/23	10/23	10/23	10/23
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	1	1	0
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	276.7	276.1	275.0	272.7	272.7
	(COUNTS)	101	100	98	94	94
17	IR CLEAR SKY RADIANCE (K)	290.2	291.2	291.2	291.2	291.2
	(COUNTS)	127	129	129	129	129
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	4	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	71.9	70.7	70.7	71.3	71.3
25	GOES-SOLAR AZIMUTH (DEG)	139.0	138.0	138.0	138.0	139.0
26	VIS RADIANCE (REFLECTANCE)	0.216	0.164	0.204	0.212	0.196
	(COUNTS)	54	41	51	53	49
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	0.072	0.072	0.072	0.060
	(COUNTS)	19	18	18	18	15
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	4	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	277.8	277.3	275.6	273.2	273.2
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	835.	810.	795.	745.	745.
37	CLEAR SKY TEMPERATURE (K)	295.0	296.9	296.5	296.5	296.5
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	1	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	27.19	4.67	15.36	28.37	13.52
43	AVERAGE SURFACE ALBEDO	0.21	0.18	0.18	0.19	0.14
44	CLOUD TOP TEMPERATURE (K)	277.8	275.6	275.6	273.2	273.2
45	CLOUD TOP PRESSURE (MB)	835.	800.	795.	745.	745.

Table 3. Continued.

1	MONTH/DAY	10/24	10/24	10/24	10/24	10/24
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	0	1	1
12	IR CLEAR SKY CODE	2	2	1	1	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	1	0	1	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.9	50.9
16	IR RADIANCE (K)	264.7	250.9	270.9	245.3	241.0
	(COUNTS)	81	61	91	54	49
17	IR CLEAR SKY RADIANCE (K)	285.2	283.7	285.2	288.3	281.6
	(COUNTS)	117	114	117	123	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	4	5	5
24	SOLAR ZENITH ANGLE (DEG)	66.4	66.4	66.4	65.8	65.8
25	GOES-SOLAR AZIMUTH (DEG)	125.0	125.0	125.0	125.0	125.0
26	VIS RADIANCE (REFLECTANCE)	0.200	0.216	0.148	0.252	0.256
	(COUNTS)	50	54	37	63	64
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	0.076	0.076	0.076	0.072
	(COUNTS)	19	19	19	19	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	4	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	264.7	250.9	271.5	245.3	241.0
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	580.	440.	700.	400.	370.
37	CLEAR SKY TEMPERATURE (K)	288.8	286.8	289.3	293.2	283.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	1	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	8.15	11.35	3.48	22.63	25.54
43	AVERAGE SURFACE ALBEDO	0.16	0.16	0.16	0.16	0.14
44	CLOUD TOP TEMPERATURE (K)	264.7	250.9	269.7	245.3	241.0
45	CLOUD TOP PRESSURE (MB)	580.	440.	675.	400.	370.



Table 3. Continued.

1	MONTH/DAY	10/24	10/24	10/24	10/24	10/24
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	2	1	1	9	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	239.2	262.1	242.8	241.9	243.7
	(COUNTS)	47	77	51	50	52
17	IR CLEAR SKY RADIANCE (K)	283.7	285.2	288.3	282.7	283.2
	(COUNTS)	114	117	123	112	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	4	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	65.8	65.8	65.8	65.8	65.2
25	GOES-SOLAR AZIMUTH (DEG)	125.0	125.0	125.0	125.0	125.0
26	VIS RADIANCE (REFLECTANCE)	0.276	0.188	0.284	0.276	0.280
	(COUNTS)	69	47	71	69	70
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.080	0.072	0.080	0.080
	(COUNTS)	20	20	18	20	20
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	4	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	****	****	****	****	****
34	CLOUD TOP TEMPERATURE (K)	239.2	262.8	242.8	241.9	243.7
35	SURFACE PRESSURE (MB)	****	****	****	****	****
36	CLOUD TOP PRESSURE (MB)	355.	570.	380.	375.	390.
37	CLEAR SKY TEMPERATURE (K)	286.8	289.3	292.7	285.2	285.8
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	****	****	****	****	****
42	OPTICAL DEPTH	43.57	6.22	62.40	43.57	42.42
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.14	0.17	0.16
44	CLOUD TOP TEMPERATURE (K)	239.2	262.8	242.8	241.9	243.7
45	CLOUD TOP PRESSURE (MB)	355.	570.	380.	375.	390.

Table 3. Continued.

1	MONTH/DAY	10/24	10/24	10/24	10/24	10/24
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	1	0	1	1
12	IR CLEAR SKY CODE	1	9	1	1	1
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.9	50.9
16	IR RADIANCE (K)	268.4	255.3	268.4	264.7	253.1
	(COUNTS)	87	67	87	81	64
17	IR CLEAR SKY RADIANCE (K)	294.1	288.3	294.1	294.1	294.1
	(COUNTS)	135	123	135	135	135
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	55.9	55.9	55.2	55.2	55.2
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.312	0.268	0.396	0.368	0.404
	(COUNTS)	78	67	99	92	101
27	VIS CLEAR SKY RADIANCE (REFL)	0.116	0.124	0.124	0.128	0.128
	(COUNTS)	29	31	31	32	32
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	268.4	255.3	268.4	264.7	253.1
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	635.	485.	655.	580.	460.
37	CLEAR SKY TEMPERATURE (K)	301.0	293.2	301.4	301.0	301.0
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	1	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	6.45	4.22	15.30	10.59	16.44
43	AVERAGE SURFACE ALBEDO	0.18	0.19	0.19	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	268.4	253.9	268.4	264.7	253.1
45	CLOUD TOP PRESSURE (MB)	635.	470.	655.	580.	460.

Table 3. Continued.

1	MONTH/DAY	10/24	10/24	10/24	10/24	10/24
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GC	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	9	1	1	1	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	246.9	252.4	252.4	252.4	256.0
	(COUNTS)	56	63	63	63	68
17	IR CLEAR SKY RADIANCE (K)	290.2	294.1	294.1	294.1	290.2
	(COUNTS)	127	135	135	135	127
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	55.2	54.5	54.5	55.2	55.2
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.396	0.364	0.364	0.392	0.456
	(COUNTS)	99	91	91	98	114
27	VIS CLEAR SKY RADIANCE (REFL)	0.128	0.132	0.116	0.132	0.132
	(COUNTS)	32	33	29	33	33
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	246.9	252.4	252.4	252.4	256.0
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	410.	465.	455.	455.	490.
37	CLEAR SKY TEMPERATURE (K)	295.5	301.4	301.0	301.0	295.5
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	14.77	9.71	10.23	14.51	35.58
43	AVERAGE SURFACE ALBEDO	0.20	0.20	0.17	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	246.9	252.4	252.4	252.4	256.0
45	CLOUD TOP PRESSURE (MB)	410.	465.	455.	455.	490.

Table 3. Continued.

1	MONTH/DAY	10/24	10/24	10/24	10/24	10/24
2	HOURL:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.2	50.9
16	IR RADIANCE (K)	246.9	258.9	258.2	260.8	264.1
	(COUNTS)	56	72	71	75	80
17	IR CLEAR SKY RADIANCE (K)	290.2	290.2	291.2	290.7	290.2
	(COUNTS)	127	127	129	128	127
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	4	5	4	5
24	SOLAR ZENITH ANGLE (DEG)	71.9	71.9	71.3	71.3	71.9
25	GOES-SOLAR AZIMUTH (DEG)	138.0	139.0	138.0	138.0	139.0
26	VIS RADIANCE (REFLECTANCE)	0.216	0.188	0.188	0.132	0.196
	(COUNTS)	54	47	47	33	49
27	VIS CLEAR SKY RADIANCE (REFL)	0.064	0.072	0.064	0.072	0.064
	(COUNTS)	16	18	16	18	16
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	4	5	4	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	246.9	258.9	258.9	260.8	264.1
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	410.	520.	525.	535.	570.
37	CLEAR SKY TEMPERATURE (K)	295.5	295.5	297.4	296.0	295.5
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	1	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	38.29	11.35	13.28	2.43	16.15
43	AVERAGE SURFACE ALBEDO	0.16	0.20	0.16	0.19	0.16
44	CLOUD TOP TEMPERATURE (K)	246.9	258.9	258.9	254.6	264.1
45	CLOUD TOP PRESSURE (MB)	410.	520.	525.	475.	570.

Table 3. Continued.

1	MONTH/DAY	10/24	10/24	10/24	10/24	10/24
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	1	0	0	0
7	SHORE FLAG	0	1	0	0	0
8	LAND/OCEAN FLAG	0	1	0	0	0
9	TOPOGRAPHY FLAG	0	1	0	0	0
10	SNOW/ICE FLAG	0	3	0	0	0
11	CLOUD CODE	1	3	1	1	1
12	IR CLEAR SKY CODE	1	31	1	1	1
13	IR THRESHOLD CODE	5	7	5	5	5
14	CLEAR SKY FILTER FLAG	0	1	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	****	49.5	50.2	50.2
16	IR RADIANCE (K)	260.8	*****	254.6	258.2	255.3
	(COUNTS)	75	255	66	71	67
17	IR CLEAR SKY RADIANCE (K)	290.2	*****	291.2	291.2	291.2
	(COUNTS)	127	255	129	129	129
18	SOLAR GLINT FLAG	0	1	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	1	0	0	0
22	VIS BRIGHT FLAG	0	1	0	0	0
23	VIS THRESHOLD CODE	4	7	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	71.9	****	71.3	71.3	71.3
25	GOES-SOLAR AZIMUTH (DEG)	139.0	*****	138.0	138.0	139.0
26	VIS RADIANCE (REFLECTANCE)	0.168	*****	0.216	0.224	0.220
	(COUNTS)	42	255	54	56	55
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	*****	0.072	0.072	0.060
	(COUNTS)	19	255	18	18	15
28	DAY/NIGHT FLAG	0	1	0	0	0
29	IR THRESHOLD CODE	5	7	5	5	5
30	VIS THRESHOLD CODE	4	7	5	5	5
31	IR RETRIEVAL CODE	0	15	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	15	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	260.8	*****	254.6	258.2	255.3
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	535.	*****	475.	510.	485.
37	CLEAR SKY TEMPERATURE (K)	295.5	*****	296.9	296.9	296.9
38	CLEAR SKY PRESSURE (MB)	1000.	*****	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	15	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	15	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	5.77	*****	33.94	38.29	28.99
43	AVERAGE SURFACE ALBEDO	0.21	*****	0.19	0.19	0.14
44	CLOUD TOP TEMPERATURE (K)	260.8	*****	254.6	258.2	255.3
45	CLOUD TOP PRESSURE (MB)	535.	*****	475.	510.	485.

Table 3. Continued.

1	MONTH/DAY	10/25	10/25	10/25	10/25	10/25
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	2	2	1	1	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	1	0	1	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	260.8	244.5	248.5	241.0	231.7
	(COUNTS)	75	53	58	49	39
17	IR CLEAR SKY RADIANCE (K)	285.2	283.7	285.2	288.3	281.6
	(COUNTS)	117	114	117	123	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	4	5	4	5	5
24	SOLAR ZENITH ANGLE (DEG)	67.0	66.4	67.0	66.4	66.4
25	GOES-SOLAR AZIMUTH (DEG)	126.0	125.0	126.0	125.0	125.0
26	VIS RADIANCE (REFLECTANCE)	0.152	0.224	0.160	0.244	0.248
	(COUNTS)	38	56	40	61	62
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	0.076	0.076	0.076	0.068
	(COUNTS)	19	19	19	19	17
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	4	5	4	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	260.8	244.5	248.5	241.0	231.7
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	555.	400.	435.	375.	300.
37	CLEAR SKY TEMPERATURE (K)	289.3	287.3	290.2	293.6	284.7
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	1	0	1	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	3.79	13.05	4.48	20.94	24.03
43	AVERAGE SURFACE ALBEDO	0.16	0.16	0.16	0.16	0.14
44	CLOUD TOP TEMPERATURE (K)	259.5	244.5	247.7	241.0	231.7
45	CLOUD TOP PRESSURE (MB)	540.	400.	425.	375.	300.

Table 3. Continued.

1	MONTH/DAY	10/25	10/25	10/25	10/25	10/25
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	2	1	1	9	9
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.9	50.9
16	IR RADIANCE (K)	253.1	249.3	226.5	244.5	240.1
	(COUNTS)	64	59	34	53	48
17	IR CLEAR SKY RADIANCE (K)	283.7	285.2	288.3	282.7	283.2
	(COUNTS)	114	117	123	112	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	4	5	4	4
24	SOLAR ZENITH ANGLE (DEG)	66.4	66.4	66.4	65.8	65.8
25	GOES-SOLAR AZIMUTH (DEG)	125.0	125.0	125.0	125.0	125.0
26	VIS RADIANCE (REFLECTANCE)	0.228	0.192	0.320	0.188	0.168
	(COUNTS)	57	48	80	47	42
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.080	0.072	0.080	0.080
	(COUNTS)	20	20	18	20	20
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	4	5	4	4
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	253.1	249.3	226.5	244.5	240.1
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	480.	440.	260.	400.	370.
37	CLEAR SKY TEMPERATURE (K)	287.3	290.2	293.6	285.8	286.8
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	0	0	0	0	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	14.00	7.33	119.59	6.22	4.57
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.15	0.17	0.17
44	CLOUD TOP TEMPERATURE (K)	253.1	249.3	226.5	244.5	238.4
45	CLOUD TOP PRESSURE (MB)	480.	440.	260.	400.	355.

Table 3. Continued.

1	MONTH/DAY	10/25	10/25	10/25	10/25	10/25
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	1	0	0
7	SHORE FLAG	0	0	1	0	0
8	LAND/OCEAN FLAG	0	0	1	0	0
9	TOPOGRAPHY FLAG	0	0	1	0	0
10	SNOW/ICE FLAG	0	0	3	0	0
11	CLOUD CODE	1	1	3	1	1
12	IR CLEAR SKY CODE	1	9	31	1	1
13	IR THRESHOLD CODE	5	5	7	5	5
14	CLEAR SKY FILTER FLAG	0	0	1	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	****	50.2	50.9
16	IR RADIANCE (K)	232.7	228.6	*****	232.7	227.5
	(COUNTS)	40	36	255	40	35
17	IR CLEAR SKY RADIANCE (K)	294.1	288.3	*****	294.1	294.1
	(COUNTS)	135	123	255	135	135
18	SOLAR GLINT FLAG	0	0	1	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	1	0	0
21	VIS DARK FLAG	0	0	1	0	0
22	VIS BRIGHT FLAG	0	0	1	0	0
23	VIS THRESHOLD CODE	5	5	7	5	5
24	SOLAR ZENITH ANGLE (DEG)	55.9	55.9	****	55.2	55.2
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	*****	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.300	0.280	*****	0.468	0.488
	(COUNTS)	75	70	255	117	122
27	VIS CLEAR SKY RADIANCE (REFL)	0.116	0.124	*****	0.128	0.128
	(COUNTS)	29	31	255	32	32
28	DAY/NIGHT FLAG	0	0	1	0	0
29	IR THRESHOLD CODE	5	5	7	5	5
30	VIS THRESHOLD CODE	5	5	7	5	5
31	IR RETRIEVAL CODE	0	0	15	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	15	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	232.7	228.6	*****	232.7	227.5
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	310.	275.	*****	310.	270.
37	CLEAR SKY TEMPERATURE (K)	301.4	293.6	*****	301.0	301.4
38	CLEAR SKY PRESSURE (MB)	950.	950.	*****	950.	950.
39	VIS RETRIEVAL CODE	0	1	15	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	15	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	5.88	4.76	*****	44.76	62.40
43	AVERAGE SURFACE ALBEDO	0.18	0.19	*****	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	232.7	226.5	*****	232.7	227.5
45	CLOUD TOP PRESSURE (MB)	310.	260.	*****	310.	270.



Table 3. Continued.

1	MONTH/DAY	10/25	10/25	10/25	10/25	10/25
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	1	0	0
7	SHORE FLAG	0	0	1	0	0
8	LAND/OCEAN FLAG	0	0	1	0	0
9	TOPOGRAPHY FLAG	0	0	1	0	0
10	SNOW/ICE FLAG	0	0	3	0	0
11	CLOUD CODE	1	1	3	1	1
12	IR CLEAR SKY CODE	9	1	31	1	9
13	IR THRESHOLD CODE	5	5	7	5	5
14	CLEAR SKY FILTER FLAG	0	0	1	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	****	50.2	50.2
16	IR RADIANCE (K)	228.6	231.7	*****	233.8	232.7
	(COUNTS)	36	39	255	41	40
17	IR CLEAR SKY RADIANCE (K)	290.2	294.1	*****	294.1	290.2
	(COUNTS)	127	135	255	135	127
18	SOLAR GLINT FLAG	0	0	1	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	1	0	0
21	VIS DARK FLAG	0	0	1	0	0
22	VIS BRIGHT FLAG	0	0	1	0	0
23	VIS THRESHOLD CODE	5	5	7	5	5
24	SOLAR ZENITH ANGLE (DEG)	55.9	55.2	****	55.2	55.2
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	*****	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.424	0.452	*****	0.480	0.560
	(COUNTS)	106	113	255	120	140
27	VIS CLEAR SKY RADIANCE (REFL)	0.128	0.132	*****	0.132	0.132
	(COUNTS)	32	33	255	33	33
28	DAY/NIGHT FLAG	0	0	1	0	0
29	IR THRESHOLD CODE	5	5	7	5	5
30	VIS THRESHOLD CODE	5	5	7	5	5
31	IR RETRIEVAL CODE	0	0	15	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	15	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	228.6	231.7	*****	233.8	232.7
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	275.	300.	*****	320.	310.
37	CLEAR SKY TEMPERATURE (K)	296.0	302.3	*****	301.0	296.0
38	CLEAR SKY PRESSURE (MB)	950.	950.	*****	950.	950.
39	VIS RETRIEVAL CODE	0	0	15	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	15	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	24.03	33.94	*****	54.84	114.33
43	AVERAGE SURFACE ALBEDO	0.20	0.20	*****	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	228.6	231.7	*****	233.8	232.7
45	CLOUD TOP PRESSURE (MB)	275.	300.	*****	320.	310.

Table 3. Continued.

1	MONTH/DAY	10/25	10/25	10/25	10/25	10/25
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.2	50.9
16	IR RADIANCE (K)	242.8	241.9	253.1	258.2	254.6
	(COUNTS)	51	50	64	71	66
17	IR CLEAR SKY RADIANCE (K)	290.2	290.2	291.2	290.7	290.2
	(COUNTS)	127	127	129	128	127
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	71.9	71.9	71.3	71.9	71.9
25	GOES-SOLAR AZIMUTH (DEG)	139.0	139.0	138.0	138.0	139.0
26	VIS RADIANCE (REFLECTANCE)	0.228	0.228	0.212	0.216	0.256
	(COUNTS)	57	57	53	54	64
27	VIS CLEAR SKY RADIANCE (REFL)	0.064	0.072	0.064	0.072	0.064
	(COUNTS)	16	18	16	18	16
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	242.8	241.9	253.1	258.2	254.6
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	390.	380.	480.	530.	495.
37	CLEAR SKY TEMPERATURE (K)	296.0	296.0	298.7	296.5	296.0
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	43.57	42.42	29.63	39.26	101.01
43	AVERAGE SURFACE ALBEDO	0.16	0.20	0.16	0.20	0.16
44	CLOUD TOP TEMPERATURE (K)	242.8	241.9	253.1	258.2	254.6
45	CLOUD TOP PRESSURE (MB)	390.	380.	480.	530.	495.

Table 3. Continued.

1	MONTH/DAY	10/25	10/25	10/25	10/25	10/25
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	49.5	50.2	50.2	50.2
16	IR RADIANCE (K)	236.6	256.7	259.5	248.5	250.9
	(COUNTS)	44	69	73	58	61
17	IR CLEAR SKY RADIANCE (K)	290.2	291.2	291.2	291.2	291.2
	(COUNTS)	127	129	129	129	129
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	71.9	71.3	71.3	71.9	71.9
25	GOES-SOLAR AZIMUTH (DEG)	139.0	138.0	139.0	139.0	139.0
26	VIS RADIANCE (REFLECTANCE)	0.224	0.208	0.244	0.260	0.240
	(COUNTS)	56	52	61	65	60
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	0.072	0.072	0.072	0.060
	(COUNTS)	19	18	18	18	15
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	236.6	256.7	259.5	248.5	250.9
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	340.	515.	540.	435.	455.
37	CLEAR SKY TEMPERATURE (K)	296.0	298.3	297.4	297.4	297.4
38	CLEAR SKY PRESSURE (MB)	950.	950.	950.	950.	950.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	38.29	26.62	66.90	105.51	80.94
43	AVERAGE SURFACE ALBEDO	0.21	0.19	0.19	0.20	0.15
44	CLOUD TOP TEMPERATURE (K)	236.6	256.7	259.5	248.5	250.9
45	CLOUD TOP PRESSURE (MB)	340.	515.	540.	435.	455.

Table 3. Continued.

1	MONTH/DAY	10/26	10/26	10/26	10/26	10/26
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	2	2	2	2	9
13	IR THRESHOLD CODE	4	5	4	4	4
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.9	50.9
16	IR RADIANCE (K)	269.1	266.0	272.1	271.5	271.5
	(COUNTS)	88	83	93	92	92
17	IR CLEAR SKY RADIANCE (K)	279.5	279.5	279.5	279.5	281.6
	(COUNTS)	106	106	106	106	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	67.0	67.0	67.0	66.4	66.4
25	GOES-SOLAR AZIMUTH (DEG)	126.0	126.0	126.0	126.0	125.0
26	VIS RADIANCE (REFLECTANCE)	0.376	0.348	0.300	0.276	0.304
	(COUNTS)	94	87	75	69	76
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	0.076	0.076	0.076	0.068
	(COUNTS)	19	19	19	19	17
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	4	5	4	4	4
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	269.7	266.6	273.2	272.1	272.1
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	665.	615.	730.	720.	720.
37	CLEAR SKY TEMPERATURE (K)	281.6	281.6	281.1	281.6	284.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	119.59	119.59	92.02	40.26	92.02
43	AVERAGE SURFACE ALBEDO	0.16	0.16	0.16	0.16	0.14
44	CLOUD TOP TEMPERATURE (K)	269.7	266.6	273.2	272.1	272.1
45	CLOUD TOP PRESSURE (MB)	665.	615.	730.	720.	720.

Table 3. Continued.

1	MONTH/DAY	10/26	10/26	10/26	10/26	10/26
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	9	9	9	9	9
13	IR THRESHOLD CODE	3	4	4	4	4
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	276.1	275.0	272.1	271.5	272.1
	(COUNTS)	100	98	93	92	93
17	IR CLEAR SKY RADIANCE (K)	281.6	283.7	283.7	282.7	283.2
	(COUNTS)	110	114	114	112	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	66.4	66.4	66.4	66.4	65.8
25	GOES-SOLAR AZIMUTH (DEG)	125.0	126.0	125.0	125.0	125.0
26	VIS RADIANCE (REFLECTANCE)	0.284	0.268	0.320	0.356	0.348
	(COUNTS)	71	67	80	89	87
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.080	0.072	0.080	0.080
	(COUNTS)	20	20	18	20	20
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	4	4	4	4
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	277.3	276.1	273.2	272.1	273.2
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	860.	785.	735.	715.	735.
37	CLEAR SKY TEMPERATURE (K)	284.7	286.8	287.3	285.8	286.8
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	53.17	31.67	119.59	119.59	114.33
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.15	0.17	0.17
44	CLOUD TOP TEMPERATURE (K)	277.3	276.1	273.2	272.1	273.2
45	CLOUD TOP PRESSURE (MB)	860.	785.	735.	715.	735.

Table 3. Continued.

1	MONTH/DAY	10/26	10/26	10/26	10/26	10/26
2	HOURL:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	0	1	1
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	1	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.2	50.9	50.9
16	IR RADIANCE (K)	262.1	250.1	275.0	270.3	262.8
	(COUNTS)	77	60	98	90	78
17	IR CLEAR SKY RADIANCE (K)	288.3	285.8	288.8	288.3	286.8
	(COUNTS)	123	118	124	123	120
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	56.6	56.6	55.9	55.9	55.9
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.540	0.508	0.504	0.624	0.560
	(COUNTS)	135	127	126	156	140
27	VIS CLEAR SKY RADIANCE (REFL)	0.112	0.124	0.120	0.124	0.124
	(COUNTS)	28	31	30	31	31
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	262.1	250.1	276.1	270.9	262.8
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	555.	435.	785.	685.	560.
37	CLEAR SKY TEMPERATURE (K)	293.6	290.2	293.2	293.6	291.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	119.59	109.87	105.51	119.59	119.59
43	AVERAGE SURFACE ALBEDO	0.17	0.19	0.18	0.19	0.19
44	CLOUD TOP TEMPERATURE (K)	262.1	250.1	276.1	270.9	262.8
45	CLOUD TOP PRESSURE (MB)	555.	435.	785.	685.	560.

Table 3. Continued.

1	MONTH/DAY	10/26	10/26	10/26	10/26	10/26
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	0	1	1
12	IR CLEAR SKY CODE	1	1	9	1	1
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	271.5	275.6	275.0	275.0	273.2
	(COUNTS)	92	99	98	98	95
17	IR CLEAR SKY RADIANCE (K)	288.3	289.3	291.2	288.3	289.3
	(COUNTS)	123	125	129	123	125
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	55.9	55.9	55.9	55.9	55.9
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.480	0.560	0.496	0.516	0.516
	(COUNTS)	120	140	124	129	129
27	VIS CLEAR SKY RADIANCE (REFL)	0.128	0.128	0.112	0.128	0.128
	(COUNTS)	32	32	28	32	32
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	272.1	276.7	276.1	276.1	273.8
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	720.	800.	815.	815.	760.
37	CLEAR SKY TEMPERATURE (K)	293.6	294.1	297.4	293.2	294.6
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	58.43	119.59	92.02	105.51	105.51
43	AVERAGE SURFACE ALBEDO	0.20	0.20	0.17	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	272.1	276.7	276.1	276.1	273.8
45	CLOUD TOP PRESSURE (MB)	720.	800.	815.	815.	760.

Table 3. Continued.

1	MONTH/DAY	10/26	10/26	10/26	10/26	10/26
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	1	0	1	1	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.9	50.9	50.9
16	IR RADIANCE (K)	273.2	271.5	270.3	273.2	269.1
	(COUNTS)	95	92	90	95	88
17	IR CLEAR SKY RADIANCE (K)	285.8	283.7	286.3	286.3	283.7
	(COUNTS)	118	114	119	119	114
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	72.5	72.5	71.9	72.5	72.5
25	GOES-SOLAR AZIMUTH (DEG)	139.0	139.0	139.0	139.0	139.0
26	VIS RADIANCE (REFLECTANCE)	0.196	0.256	0.244	0.260	0.240
	(COUNTS)	49	64	61	65	60
27	VIS CLEAR SKY RADIANCE (REFL)	0.060	0.072	0.064	0.068	0.064
	(COUNTS)	15	18	16	17	16
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	273.8	272.1	270.9	273.8	269.7
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	760.	720.	695.	760.	665.
37	CLEAR SKY TEMPERATURE (K)	290.2	287.3	290.2	290.7	287.3
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	17.05	119.59	71.96	119.59	77.73
43	AVERAGE SURFACE ALBEDO	0.15	0.20	0.16	0.18	0.17
44	CLOUD TOP TEMPERATURE (K)	273.8	272.1	270.9	273.8	269.7
45	CLOUD TOP PRESSURE (MB)	760.	720.	695.	760.	665.



Table 3. Continued.

1	MONTH/DAY	10/26	10/26	10/26	10/26	10/26
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	0	0	0
12	IR CLEAR SKY CODE	1	9	9	1	1
13	IR THRESHOLD CODE	5	5	5	4	4
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	270.9	269.1	272.1	273.8	278.9
	(COUNTS)	91	88	93	96	105
17	IR CLEAR SKY RADIANCE (K)	285.8	288.3	288.3	284.7	285.8
	(COUNTS)	118	123	123	116	118
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	72.5	71.9	71.9	71.9	72.5
25	GOES-SOLAR AZIMUTH (DEG)	139.0	138.0	139.0	139.0	139.0
26	VIS RADIANCE (REFLECTANCE)	0.216	0.220	0.224	0.244	0.220
	(COUNTS)	54	55	56	61	55
27	VIS CLEAR SKY RADIANCE (REFL)	0.072	0.068	0.068	0.072	0.056
	(COUNTS)	18	17	17	18	14
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	4	4
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	271.5	269.7	273.2	274.4	281.1
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	700.	675.	735.	780.	970.
37	CLEAR SKY TEMPERATURE (K)	290.2	292.7	293.2	288.8	290.2
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	33.16	41.32	37.35	77.73	38.29
43	AVERAGE SURFACE ALBEDO	0.20	0.18	0.18	0.20	0.14
44	CLOUD TOP TEMPERATURE (K)	271.5	269.7	273.2	274.4	281.1
45	CLOUD TOP PRESSURE (MB)	700.	675.	735.	780.	970.

Table 3. Continued.

1	MONTH/DAY	10/27	10/27	10/27	10/27	10/27
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	2	2	2	2	9
13	IR THRESHOLD CODE	2	2	2	2	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	283.2	283.2	284.2	284.2	284.2
	(COUNTS)	113	113	115	115	115
17	IR CLEAR SKY RADIANCE (K)	279.5	279.5	279.5	279.5	281.6
	(COUNTS)	106	106	106	106	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	2	3	3
24	SOLAR ZENITH ANGLE (DEG)	67.7	67.0	67.0	67.0	67.0
25	GOES-SOLAR AZIMUTH (DEG)	126.0	126.0	126.0	126.0	126.0
26	VIS RADIANCE (REFLECTANCE)	0.072	0.076	0.072	0.076	0.076
	(COUNTS)	18	19	18	19	19
27	VIS CLEAR SKY RADIANCE (REFL)	0.072	0.076	0.076	0.072	0.068
	(COUNTS)	18	19	19	18	17
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	2	2	2
30	VIS THRESHOLD CODE	3	3	2	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	285.8	285.8	286.8	286.8	286.8
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	281.1	281.1	281.1	281.1	283.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.156	0.164	0.152	0.164	0.164
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.16	0.16	0.16	0.15	0.14
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/27	10/27	10/27	10/27	10/27
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GC	HH	II	JJ
6	DAY/NIGHT FLAG	0	C	0	0	0
7	SHORE FLAG	0	C	0	0	0
8	LAND/OCEAN FLAG	0	C	0	0	0
9	TOPOGRAPHY FLAG	0	C	0	0	0
10	SNOW/ICE FLAG	0	C	0	0	0
11	CLOUD CODE	0	C	0	0	0
12	IR CLEAR SKY CODE	9	9	9	9	9
13	IR THRESHOLD CODE	2	2	2	2	2
14	CLEAR SKY FILTER FLAG	0	C	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.9	50.9
16	IR RADIANCE (K)	284.2	284.2	284.2	284.7	284.2
	(COUNTS)	115	115	115	116	115
17	IR CLEAR SKY RADIANCE (K)	281.6	283.7	283.7	282.7	283.2
	(COUNTS)	110	114	114	112	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	2	3	2	3
24	SOLAR ZENITH ANGLE (DEG)	67.0	67.0	67.0	66.4	66.4
25	GOES-SOLAR AZIMUTH (DEG)	125.0	126.0	126.0	125.0	125.0
26	VIS RADIANCE (REFLECTANCE)	0.076	0.072	0.076	0.076	0.076
	(COUNTS)	19	18	19	19	19
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	0.076	0.072	0.080	0.076
	(COUNTS)	19	19	18	20	19
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	2	2	2
30	VIS THRESHOLD CODE	3	2	3	2	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	286.8	286.8	286.8	287.3	286.8
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	283.7	285.8	285.8	284.7	285.8
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.164	0.152	0.164	0.160	0.160
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.16	0.16	0.15	0.17	0.16
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/27	10/27	10/27	10/27	10/27
2	HOURL:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	1	0	0
7	SHORE FLAG	0	0	1	0	0
8	LAND/OCEAN FLAG	0	0	1	0	0
9	TOPOGRAPHY FLAG	0	0	1	0	0
10	SNOW/ICE FLAG	0	0	3	0	0
11	CLOUD CODE	0	0	3	0	0
12	IR CLEAR SKY CODE	1	1	31	1	1
13	IR THRESHOLD CODE	2	2	7	2	2
14	CLEAR SKY FILTER FLAG	0	0	1	1	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	****	50.2	50.9
16	IR RADIANCE (K)	289.3	288.8	*****	288.8	288.8
	(COUNTS)	125	124	255	124	124
17	IR CLEAR SKY RADIANCE (K)	288.3	285.8	*****	288.3	286.8
	(COUNTS)	123	118	255	123	120
18	SOLAR GLINT FLAG	0	0	1	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	1	0	0
21	VIS DARK FLAG	0	0	1	0	0
22	VIS BRIGHT FLAG	0	0	1	0	0
23	VIS THRESHOLD CODE	2	2	7	2	2
24	SOLAR ZENITH ANGLE (DEG)	56.6	56.6	****	55.9	55.9
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	*****	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.108	0.112	*****	0.112	0.112
	(COUNTS)	27	28	255	28	28
27	VIS CLEAR SKY RADIANCE (REFL)	0.112	0.124	*****	0.124	0.124
	(COUNTS)	28	31	255	31	31
28	DAY/NIGHT FLAG	0	0	1	0	0
29	IR THRESHOLD CODE	2	2	7	2	2
30	VIS THRESHOLD CODE	2	2	7	2	2
31	IR RETRIEVAL CODE	0	0	15	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	15	0	0
33	SURFACE TEMPERATURE (K)	293.2	292.2	*****	292.2	292.2
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	*****	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	291.7	288.8	*****	291.7	290.2
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	*****	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	15	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	15	0	0
41	SURFACE ALBEDO	0.160	0.168	*****	0.168	0.168
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.17	0.20	*****	0.19	0.19
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/27	10/27	10/27	10/27	10/27
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	1	0	0
7	SHORE FLAG	0	0	1	0	0
8	LAND/OCEAN FLAG	0	0	1	0	0
9	TOPOGRAPHY FLAG	0	0	1	0	0
10	SNOW/ICE FLAG	0	0	3	0	0
11	CLOUD CODE	0	0	3	0	2
12	IR CLEAR SKY CODE	1	1	31	1	1
13	IR THRESHOLD CODE	2	3	7	2	3
14	CLEAR SKY FILTER FLAG	0	0	1	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	****	50.2	50.2
16	IR RADIANCE (K)	289.3	289.3	*****	289.3	289.3
	(COUNTS)	125	125	255	125	125
17	IR CLEAR SKY RADIANCE (K)	288.3	289.3	*****	288.3	289.3
	(COUNTS)	123	125	255	123	125
18	SOLAR GLINT FLAG	0	0	1	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	1	0	0
21	VIS DARK FLAG	0	0	1	0	0
22	VIS BRIGHT FLAG	0	0	1	0	0
23	VIS THRESHOLD CODE	3	2	7	2	2
24	SOLAR ZENITH ANGLE (DEG)	56.6	55.9	****	55.9	55.9
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	*****	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.124	0.112	*****	0.112	0.116
	(COUNTS)	31	28	255	28	29
27	VIS CLEAR SKY RADIANCE (REFL)	0.124	0.128	*****	0.128	0.128
	(COUNTS)	31	32	255	32	32
28	DAY/NIGHT FLAG	0	0	1	0	0
29	IR THRESHOLD CODE	2	3	7	2	3
30	VIS THRESHOLD CODE	3	2	7	2	2
31	IR RETRIEVAL CODE	0	0	15	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	15	0	0
33	SURFACE TEMPERATURE (K)	293.2	292.7	*****	293.2	293.2
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	*****	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	291.7	292.7	*****	291.7	293.2
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	*****	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	15	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	15	0	0
41	SURFACE ALBEDO	0.196	0.168	*****	0.168	0.176
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.20	0.20	*****	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/27	10/27	10/27	10/27	10/27
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	2	2	2	2	2
14	CLEAR SKY FILTER FLAG	1	0	1	1	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.2	50.2	50.2
16	IR RADIANCE (K)	287.8	286.8	287.8	286.8	286.8
	(COUNTS)	122	120	122	120	120
17	IR CLEAR SKY RADIANCE (K)	285.8	283.7	286.3	286.3	283.7
	(COUNTS)	118	114	119	119	114
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	72.5	73.1	72.5	72.5	72.5
25	GOES-SOLAR AZIMUTH (DEG)	139.0	139.0	139.0	139.0	139.0
26	VIS RADIANCE (REFLECTANCE)	0.056	0.072	0.068	0.072	0.068
	(COUNTS)	14	18	17	18	17
27	VIS CLEAR SKY RADIANCE (REFL)	0.060	0.068	0.060	0.068	0.064
	(COUNTS)	15	17	15	17	16
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	2	2	2
30	VIS THRESHOLD CODE	2	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	291.2	290.2	290.7	289.8	289.8
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	288.8	286.3	289.3	289.3	285.8
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.132	0.212	0.188	0.204	0.188
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.15	0.19	0.15	0.19	0.17
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/27	10/27	10/27	10/27	10/27
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	1	1	1	1
7	SHORE FLAG	0	1	1	1	1
8	LAND/OCEAN FLAG	0	1	1	1	1
9	TOPOGRAPHY FLAG	0	1	1	1	1
10	SNOW/ICE FLAG	0	3	3	3	3
11	CLOUD CODE	0	3	3	3	3
12	IR CLEAR SKY CODE	1	31	31	31	31
13	IR THRESHOLD CODE	2	7	7	7	7
14	CLEAR SKY FILTER FLAG	0	1	1	1	1
15	GOES ZENITH ANGLE (DEG)	50.2	****	****	****	****
16	IR RADIANCE (K)	286.8	*****	*****	*****	*****
	(COUNTS)	120	255	255	255	255
17	IR CLEAR SKY RADIANCE (K)	285.8	*****	*****	*****	*****
	(COUNTS)	118	255	255	255	255
18	SOLAR GLINT FLAG	0	1	1	1	1
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	1	1	1
21	VIS DARK FLAG	0	1	1	1	1
22	VIS BRIGHT FLAG	0	1	1	1	1
23	VIS THRESHOLD CODE	3	7	7	7	7
24	SOLAR ZENITH ANGLE (DEG)	73.1	****	****	****	****
25	GOES-SOLAR AZIMUTH (DEG)	139.0	*****	*****	*****	*****
26	VIS RADIANCE (REFLECTANCE)	0.072	*****	*****	*****	*****
	(COUNTS)	18	255	255	255	255
27	VIS CLEAR SKY RADIANCE (REFL)	0.072	*****	*****	*****	*****
	(COUNTS)	18	255	255	255	255
28	DAY/NIGHT FLAG	0	1	1	1	1
29	IR THRESHOLD CODE	2	7	7	7	7
30	VIS THRESHOLD CODE	3	7	7	7	7
31	IR RETRIEVAL CODE	0	15	15	15	15
32	IR CLEAR SKY RETRIEVAL CODE	0	15	15	15	15
33	SURFACE TEMPERATURE (K)	289.8	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	288.8	*****	*****	*****	*****
38	CLEAR SKY PRESSURE (MB)	1000.	*****	*****	*****	*****
39	VIS RETRIEVAL CODE	0	15	15	15	15
40	VIS CLEAR SKY RETRIEVAL CODE	0	15	15	15	15
41	SURFACE ALBEDO	0.216	*****	*****	*****	*****
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.22	*****	*****	*****	*****
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/28	10/28	10/28	10/28	10/28
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	0	3	1
12	IR CLEAR SKY CODE	2	2	2	2	9
13	IR THRESHOLD CODE	5	5	2	4	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.9	50.9
16	IR RADIANCE (K)	259.5	259.5	282.2	272.1	264.1
	(COUNTS)	73	73	111	93	80
17	IR CLEAR SKY RADIANCE (K)	279.5	279.5	279.5	279.5	281.6
	(COUNTS)	106	106	106	106	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	67.7	67.0	67.7	67.0	67.0
25	GOES-SOLAR AZIMUTH (DEG)	126.0	126.0	126.0	126.0	126.0
26	VIS RADIANCE (REFLECTANCE)	0.124	0.116	0.088	0.104	0.104
	(COUNTS)	31	29	22	26	26
27	VIS CLEAR SKY RADIANCE (REFL)	0.072	0.076	0.072	0.072	0.068
	(COUNTS)	18	19	18	18	17
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	2	4	5
30	VIS THRESHOLD CODE	3	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	284.2	*****	*****
34	CLOUD TOP TEMPERATURE (K)	259.5	259.5	*****	272.1	264.1
35	SURFACE PRESSURE (MB)	*****	*****	950.	*****	*****
36	CLOUD TOP PRESSURE (MB)	530.	530.	*****	695.	580.
37	CLEAR SKY TEMPERATURE (K)	280.0	280.0	280.5	280.0	282.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	1	1	0	1	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	0.208	*****	*****
42	OPTICAL DEPTH	2.49	1.89	*****	1.32	1.47
43	AVERAGE SURFACE ALBEDO	0.16	0.16	0.16	0.15	0.14
44	CLOUD TOP TEMPERATURE (K)	256.0	252.4	*****	267.8	254.6
45	CLOUD TOP PRESSURE (MB)	500.	470.	*****	635.	490.



Table 3. Continued.

1	MONTH/DAY	10/28	10/28	10/28	10/28	10/28
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GC	HH	II	JJ
6	DAY/NIGHT FLAG	0	C	1	0	0
7	SHORE FLAG	0	C	1	0	0
8	LAND/OCEAN FLAG	0	C	1	0	0
9	TOPOGRAPHY FLAG	0	C	1	0	0
10	SNOW/ICE FLAG	0	C	3	0	0
11	CLOUD CODE	1	1	3	1	1
12	IR CLEAR SKY CODE	9	9	31	9	9
13	IR THRESHOLD CODE	5	5	7	5	5
14	CLEAR SKY FILTER FLAG	0	C	1	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	****	50.2	50.2
16	IR RADIANCE (K)	262.8	262.8	*****	261.5	264.7
	(COUNTS)	78	78	255	76	81
17	IR CLEAR SKY RADIANCE (K)	281.6	283.7	*****	282.7	283.2
	(COUNTS)	110	114	255	112	113
18	SOLAR GLINT FLAG	0	C	1	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	1	0	0
21	VIS DARK FLAG	0	0	1	0	0
22	VIS BRIGHT FLAG	0	0	1	0	0
23	VIS THRESHOLD CODE	3	3	7	3	3
24	SOLAR ZENITH ANGLE (DEG)	67.0	67.0	****	67.0	66.4
25	GOES-SOLAR AZIMUTH (DEG)	125.0	126.0	*****	125.0	125.0
26	VIS RADIANCE (REFLECTANCE)	0.116	0.112	*****	0.124	0.132
	(COUNTS)	29	28	255	31	33
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	0.076	*****	0.076	0.076
	(COUNTS)	19	19	255	19	19
28	DAY/NIGHT FLAG	0	0	1	0	0
29	IR THRESHOLD CODE	5	5	7	5	5
30	VIS THRESHOLD CODE	3	3	7	3	3
31	IR RETRIEVAL CODE	0	0	15	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	15	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	262.8	262.8	*****	261.5	264.7
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	560.	580.	*****	550.	590.
37	CLEAR SKY TEMPERATURE (K)	282.7	285.8	*****	284.2	284.7
38	CLEAR SKY PRESSURE (MB)	1000.	950.	*****	1000.	1000.
39	VIS RETRIEVAL CODE	1	1	15	1	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	15	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	1.89	1.62	*****	2.36	2.62
43	AVERAGE SURFACE ALBEDO	0.16	0.16	*****	0.16	0.16
44	CLOUD TOP TEMPERATURE (K)	256.7	253.1	*****	256.7	261.5
45	CLOUD TOP PRESSURE (MB)	505.	485.	*****	510.	550.

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Table 3. Continued.

1	MONTH/DAY	10/28	10/28	10/28	10/28	10/28
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	2	1	0	3	0
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	5	2	5	3
14	CLEAR SKY FILTER FLAG	0	0	0	1	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.9	50.9
16	IR RADIANCE (K)	286.3	267.2	291.7	273.8	286.3
	(COUNTS)	119	85	130	96	119
17	IR CLEAR SKY RADIANCE (K)	288.3	285.8	288.8	288.3	286.8
	(COUNTS)	123	118	124	123	120
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	5	2	3	3
24	SOLAR ZENITH ANGLE (DEG)	57.3	57.3	56.6	56.6	56.6
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.116	0.280	0.108	0.124	0.160
	(COUNTS)	29	70	27	31	40
27	VIS CLEAR SKY RADIANCE (REFL)	0.112	0.120	0.116	0.124	0.124
	(COUNTS)	28	30	29	31	31
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	5	2	5	3
30	VIS THRESHOLD CODE	3	5	2	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	288.8	*****	296.0	*****	288.8
34	CLOUD TOP TEMPERATURE (K)	*****	267.2	*****	274.4	*****
35	SURFACE PRESSURE (MB)	1000.	*****	950.	*****	1000.
36	CLOUD TOP PRESSURE (MB)	*****	625.	*****	725.	*****
37	CLEAR SKY TEMPERATURE (K)	291.2	288.3	292.2	291.2	289.3
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	0	1	0	3	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.180	*****	0.160	*****	0.272
42	OPTICAL DEPTH	*****	5.25	*****	0.37	*****
43	AVERAGE SURFACE ALBEDO	0.17	0.19	0.18	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	*****	267.2	*****	206.2	*****
45	CLOUD TOP PRESSURE (MB)	*****	620.	*****	85.	*****

Table 3. Continued.

1	MONTH/DAY	10/28	10/28	10/28	10/28	10/28
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	0	1	1	2
12	IR CLEAR SKY CODE	1	1	9	1	1
13	IR THRESHOLD CODE	5	2	3	4	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	269.7	291.7	286.8	278.9	287.3
	(COUNTS)	89	130	120	105	121
17	IR CLEAR SKY RADIANCE (K)	288.3	289.3	291.2	288.3	289.3
	(COUNTS)	123	125	129	123	125
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	2	3	4	2
24	SOLAR ZENITH ANGLE (DEG)	56.6	55.9	55.9	56.6	56.6
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.136	0.116	0.120	0.192	0.124
	(COUNTS)	34	29	30	48	31
27	VIS CLEAR SKY RADIANCE (REFL)	0.124	0.128	0.112	0.128	0.128
	(COUNTS)	31	32	28	32	32
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	2	3	4	3
30	VIS THRESHOLD CODE	3	2	3	4	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	296.0	289.3	*****	290.2
34	CLOUD TOP TEMPERATURE (K)	269.7	*****	*****	280.0	*****
35	SURFACE PRESSURE (MB)	*****	950.	1000.	*****	1000.
36	CLOUD TOP PRESSURE (MB)	660.	*****	*****	820.	*****
37	CLEAR SKY TEMPERATURE (K)	291.2	293.2	295.0	291.2	292.2
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	3	0	0	1	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	0.176	0.184	*****	0.196
42	OPTICAL DEPTH	0.50	*****	*****	1.78	*****
43	AVERAGE SURFACE ALBEDO	0.20	0.20	0.17	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	206.2	*****	*****	275.6	*****
45	CLOUD TOP PRESSURE (MB)	85.	*****	*****	760.	*****

Table 3. Continued.

1	MONTH/DAY	10/28	10/28	10/28	10/28	10/28
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	2	1
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	5	5	5	3	5
14	CLEAR SKY FILTER FLAG	1	0	1	1	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.2	50.2
16	IR RADIANCE (K)	256.7	266.0	248.5	283.2	266.0
	(COUNTS)	69	83	58	113	83
17	IR CLEAR SKY RADIANCE (K)	285.8	283.7	286.3	286.3	283.7
	(COUNTS)	118	114	119	119	114
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	2	3
24	SOLAR ZENITH ANGLE (DEG)	72.5	73.1	72.5	72.5	73.1
25	GOES-SOLAR AZIMUTH (DEG)	139.0	140.0	139.0	139.0	140.0
26	VIS RADIANCE (REFLECTANCE)	0.104	0.076	0.080	0.064	0.108
	(COUNTS)	26	19	20	16	27
27	VIS CLEAR SKY RADIANCE (REFL)	0.060	0.068	0.060	0.068	0.060
	(COUNTS)	15	17	15	17	15
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	3	5
30	VIS THRESHOLD CODE	3	3	3	2	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	284.7	*****
34	CLOUD TOP TEMPERATURE (K)	256.7	266.0	248.5	*****	266.0
35	SURFACE PRESSURE (MB)	*****	*****	*****	1000.	*****
36	CLOUD TOP PRESSURE (MB)	505.	605.	440.	*****	605.
37	CLEAR SKY TEMPERATURE (K)	288.3	285.2	289.3	288.8	285.2
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	950.	1000.	1000.
39	VIS RETRIEVAL CODE	1	3	3	0	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	0.168	*****
42	OPTICAL DEPTH	1.22	0.50	1.22	*****	1.52
43	AVERAGE SURFACE ALBEDO	0.15	0.19	0.15	0.19	0.16
44	CLOUD TOP TEMPERATURE (K)	232.7	206.2	206.2	*****	256.7
45	CLOUD TOP PRESSURE (MB)	325.	85.	85.	*****	510.

Table 3. Continued.

1	MONTH/DAY	10/28	10/28	10/28	10/28	10/28
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	0	1	1	0
12	IR CLEAR SKY CODE	1	9	9	1	1
13	IR THRESHOLD CODE	4	4	5	5	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.2	49.5	50.2	50.2	50.2
16	IR RADIANCE (K)	276.1	281.1	273.2	265.4	286.8
	(COUNTS)	100	109	95	82	120
17	IR CLEAR SKY RADIANCE (K)	285.8	288.3	288.3	284.7	285.8
	(COUNTS)	118	123	123	116	118
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	3	3	3	2
24	SOLAR ZENITH ANGLE (DEG)	73.1	71.9	72.5	72.5	72.5
25	GOES-SOLAR AZIMUTH (DEG)	140.0	139.0	139.0	140.0	140.0
26	VIS RADIANCE (REFLECTANCE)	0.064	0.072	0.076	0.100	0.048
	(COUNTS)	16	18	19	25	12
27	VIS CLEAR SKY RADIANCE (REFL)	0.072	0.068	0.064	0.068	0.056
	(COUNTS)	18	17	16	17	14
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	4	4	5	5	2
30	VIS THRESHOLD CODE	2	3	3	3	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	****	****	****	****	289.3
34	CLOUD TOP TEMPERATURE (K)	276.7	282.7	273.8	265.4	****
35	SURFACE PRESSURE (MB)	****	****	****	****	1000.
36	CLOUD TOP PRESSURE (MB)	765.	920.	715.	600.	****
37	CLEAR SKY TEMPERATURE (K)	287.8	291.7	291.2	286.8	287.8
38	CLEAR SKY PRESSURE (MB)	1000.	950.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	6	6	3	1	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	****	****	****	****	0.104
42	OPTICAL DEPTH	0.27	0.19	0.40	0.72	****
43	AVERAGE SURFACE ALBEDO	0.21	0.18	0.17	0.18	0.14
44	CLOUD TOP TEMPERATURE (K)	206.2	206.2	206.2	229.6	****
45	CLOUD TOP PRESSURE (MB)	85.	85.	85.	295.	****

Table 3. Continued.

1	MONTH/DAY	10/29	10/29	10/29	10/29	10/29
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	1	2	0
12	IR CLEAR SKY CODE	2	2	2	2	9
13	IR THRESHOLD CODE	4	4	4	4	4
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	272.7	272.7	272.7	272.7	271.5
	(COUNTS)	94	94	94	94	92
17	IR CLEAR SKY RADIANCE (K)	279.5	279.5	279.5	279.5	281.6
	(COUNTS)	106	106	106	106	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	68.3	67.7	68.3	67.7	67.7
25	GOES-SOLAR AZIMUTH (DEG)	126.0	126.0	126.0	126.0	126.0
26	VIS RADIANCE (REFLECTANCE)	0.260	0.260	0.260	0.248	0.284
	(COUNTS)	65	65	65	62	71
27	VIS CLEAR SKY RADIANCE (REFL)	0.072	0.072	0.072	0.072	0.064
	(COUNTS)	18	18	18	18	16
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	4	4	4	4	4
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	274.4	274.4	274.4	274.4	272.7
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	865.	865.	880.	865.	835.
37	CLEAR SKY TEMPERATURE (K)	282.7	282.7	282.7	282.7	285.8
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	69.36	53.17	71.96	37.35	80.94
43	AVERAGE SURFACE ALBEDO	0.16	0.16	0.16	0.16	0.13
44	CLOUD TOP TEMPERATURE (K)	274.4	274.4	274.4	274.4	272.7
45	CLOUD TOP PRESSURE (MB)	865.	865.	880.	865.	835.

Table 3. Continued.

1	MONTH/DAY	10/29	10/29	10/29	10/29	10/29
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GC	HH	II	JJ
6	DAY/NIGHT FLAG	0	C	0	0	0
7	SHORE FLAG	0	C	0	0	0
8	LAND/OCEAN FLAG	0	C	0	0	0
9	TOPOGRAPHY FLAG	0	C	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	9	9	9	9	9
13	IR THRESHOLD CODE	4	4	4	4	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.9	50.9
16	IR RADIANCE (K)	271.5	273.2	273.2	272.7	278.4
	(COUNTS)	92	95	95	94	104
17	IR CLEAR SKY RADIANCE (K)	281.6	283.7	283.7	282.7	283.2
	(COUNTS)	110	114	114	112	113
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	4	5	4	5	4
24	SOLAR ZENITH ANGLE (DEG)	67.7	67.7	67.7	67.0	67.0
25	GOES-SOLAR AZIMUTH (DEG)	126.0	126.0	126.0	126.0	125.0
26	VIS RADIANCE (REFLECTANCE)	0.192	0.268	0.180	0.252	0.172
	(COUNTS)	48	67	45	63	43
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	0.076	0.068	0.076	0.076
	(COUNTS)	19	19	17	19	19
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	4	4	4	4	3
30	VIS THRESHOLD CODE	4	5	4	5	4
31	IR RETRIEVAL CODE	0	0	0	0	7
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	272.7	275.0	275.0	274.4	281.1
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	835.	890.	875.	865.	1000.
37	CLEAR SKY TEMPERATURE (K)	285.8	287.8	288.3	287.3	287.8
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	8.44	66.90	6.94	32.40	5.05
43	AVERAGE SURFACE ALBEDO	0.17	0.17	0.14	0.16	0.16
44	CLOUD TOP TEMPERATURE (K)	272.7	275.0	275.0	274.4	278.4
45	CLOUD TOP PRESSURE (MB)	835.	890.	875.	865.	1000.

Table 3. Continued.

1	MONTH/DAY	10/29	10/29	10/29	10/29	10/29
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	2	0	1	3	1
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	3	4	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	1	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.9	50.9
16	IR RADIANCE (K)	285.2	285.2	281.1	273.8	272.7
	(COUNTS)	117	117	109	96	94
17	IR CLEAR SKY RADIANCE (K)	288.3	285.8	288.8	288.3	286.8
	(COUNTS)	123	118	124	123	120
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	57.3	57.3	56.6	56.6	57.3
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.144	0.260	0.260	0.348	0.364
	(COUNTS)	36	65	65	87	91
27	VIS CLEAR SKY RADIANCE (REFL)	0.112	0.120	0.116	0.124	0.120
	(COUNTS)	28	30	29	31	30
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	3	4	5	5
30	VIS THRESHOLD CODE	3	5	5	5	5
31	IR RETRIEVAL CODE	0	7	7	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	290.7	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	*****	290.7	284.7	275.6	274.4
35	SURFACE PRESSURE (MB)	1000.	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	*****	1000.	1000.	890.	865.
37	CLEAR SKY TEMPERATURE (K)	294.6	291.2	294.6	294.6	292.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	1	1	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.240	*****	*****	*****	*****
42	OPTICAL DEPTH	*****	4.22	4.22	9.54	13.05
43	AVERAGE SURFACE ALBEDO	0.17	0.19	0.18	0.20	0.19
44	CLOUD TOP TEMPERATURE (K)	*****	285.2	281.1	275.6	274.4
45	CLOUD TOP PRESSURE (MB)	*****	1000.	1000.	890.	865.



Table 3. Continued.

1	MONTH/DAY	10/29	10/29	10/29	10/29	10/29
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	1	1	0	1
12	IR CLEAR SKY CODE	1	1	9	1	1
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	272.7	273.2	272.7	272.7	273.2
	(COUNTS)	94	95	94	94	95
17	IR CLEAR SKY RADIANCE (K)	288.3	289.3	291.2	288.3	289.3
	(COUNTS)	123	125	129	123	125
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	5	5	5
24	SOLAR ZENITH ANGLE (DEG)	57.3	56.6	56.6	56.6	56.6
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.480	0.396	0.380	0.424	0.392
	(COUNTS)	120	99	95	106	98
27	VIS CLEAR SKY RADIANCE (REFL)	0.124	0.128	0.112	0.128	0.128
	(COUNTS)	31	32	28	32	32
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	5	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	274.4	275.0	274.4	274.4	275.0
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	865.	890.	865.	865.	875.
37	CLEAR SKY TEMPERATURE (K)	294.6	295.0	298.3	294.6	296.0
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	77.73	17.36	14.77	26.07	16.44
43	AVERAGE SURFACE ALBEDO	0.20	0.20	0.17	0.20	0.20
44	CLOUD TOP TEMPERATURE (K)	274.4	275.0	274.4	274.4	275.0
45	CLOUD TOP PRESSURE (MB)	865.	890.	865.	865.	875.

Table 3. Continued.

1	MONTH/DAY	10/29	10/29	10/29	10/29	10/29
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.3	43.3	43.3
4	LONGITUDE (DEG +E)	-89.8	-89.5	-90.3	-89.9	-89.5
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	2	0
12	IR CLEAR SKY CODE	1	1	1	1	1
13	IR THRESHOLD CODE	3	2	3	3	2
14	CLEAR SKY FILTER FLAG	1	0	1	1	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.2	50.9
16	IR RADIANCE (K)	284.7	284.2	285.2	284.7	284.7
	(COUNTS)	116	115	117	116	116
17	IR CLEAR SKY RADIANCE (K)	285.8	283.7	286.3	286.3	283.7
	(COUNTS)	118	114	119	119	114
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	73.1	73.1	72.5	72.5	73.1
25	GOES-SOLAR AZIMUTH (DEG)	140.0	140.0	139.0	139.0	140.0
26	VIS RADIANCE (REFLECTANCE)	0.060	0.068	0.068	0.072	0.076
	(COUNTS)	15	17	17	18	19
27	VIS CLEAR SKY RADIANCE (REFL)	0.060	0.068	0.060	0.068	0.060
	(COUNTS)	15	17	15	17	15
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	2	3	3	2
30	VIS THRESHOLD CODE	3	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	289.8	289.3	289.8	289.8	289.8
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	291.2	288.3	291.2	291.7	288.3
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.160	0.192	0.188	0.204	0.228
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.16	0.19	0.15	0.18	0.16
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	10/29	10/29	10/29	10/29	10/29
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	42.9	42.9	42.9	43.0
4	LONGITUDE (DEG +E)	-89.2	-90.3	-90.0	-89.6	-89.2
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	1	9	9	1	1
13	IR THRESHOLD CODE	3	3	3	3	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	283.2	284.7	284.7	284.2	282.7
	(COUNTS)	113	116	116	115	112
17	IR CLEAR SKY RADIANCE (K)	285.8	288.3	288.3	284.7	285.8
	(COUNTS)	118	123	123	116	118
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	1	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	73.1	72.5	72.5	72.5	73.1
25	GOES-SOLAR AZIMUTH (DEG)	140.0	139.0	139.0	140.0	140.0
26	VIS RADIANCE (REFLECTANCE)	0.072	0.068	0.072	0.072	0.096
	(COUNTS)	18	17	18	18	24
27	VIS CLEAR SKY RADIANCE (REFL)	0.072	0.064	0.064	0.068	0.056
	(COUNTS)	18	16	16	17	14
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	3	3	3	3
30	VIS THRESHOLD CODE	3	3	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	287.8	289.3	289.8	289.3	286.8
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	291.2	293.6	294.6	289.8	291.2
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.212	0.188	0.204	0.200	0.316
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.21	0.17	0.17	0.18	0.14
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	11/ 1	11/ 1	11/ 1	11/ 1	11/ 1
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.4	43.4	43.4
4	LONGITUDE (DEG +E)	-90.0	-89.6	-90.4	-90.0	-89.7
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	1	1	10	11	11
13	IR THRESHOLD CODE	5	5	5	5	4
14	CLEAR SKY FILTER FLAG	0	0	1	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	256.7	253.9	254.6	257.5	260.2
	(COUNTS)	69	65	66	70	74
17	IR CLEAR SKY RADIANCE (K)	272.1	272.1	272.7	271.5	272.1
	(COUNTS)	93	93	94	92	93
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	4	5	5	4	3
24	SOLAR ZENITH ANGLE (DEG)	68.9	68.9	68.9	68.9	68.9
25	GOES-SOLAR AZIMUTH (DEG)	127.0	127.0	127.0	127.0	127.0
26	VIS RADIANCE (REFLECTANCE)	0.180	0.224	0.228	0.180	0.136
	(COUNTS)	45	56	57	45	34
27	VIS CLEAR SKY RADIANCE (REFL)	0.084	0.088	0.084	0.084	0.088
	(COUNTS)	21	22	21	21	22
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	4
30	VIS THRESHOLD CODE	4	5	5	4	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	1	1	1	1	1
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	256.7	253.9	254.6	257.5	260.2
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	495.	470.	475.	505.	530.
37	CLEAR SKY TEMPERATURE (K)	273.8	273.8	274.4	273.2	273.8
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	8.01	28.37	33.94	8.44	3.10
43	AVERAGE SURFACE ALBEDO	0.21	0.22	0.21	0.21	0.22
44	CLOUD TOP TEMPERATURE (K)	256.7	253.9	254.6	257.5	258.9
45	CLOUD TOP PRESSURE (MB)	495.	470.	475.	505.	520.

Table 3. Continued.

1	MONTH/DAY	11/ 1	11/ 1	11/ 1	11/ 1	11/ 1
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	43.0	43.0	43.0	43.0
4	LONGITUDE (DEG +E)	-89.3	-90.5	-90.1	-89.8	-89.4
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	11	10	10	10	10
13	IR THRESHOLD CODE	4	5	5	4	5
14	CLEAR SKY FILTER FLAG	0	1	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.9
16	IR RADIANCE (K)	265.4	253.9	256.7	260.2	256.0
	(COUNTS)	82	65	69	74	68
17	IR CLEAR SKY RADIANCE (K)	272.7	273.2	271.5	272.1	273.2
	(COUNTS)	94	95	92	93	95
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	4	5	4	4	4
24	SOLAR ZENITH ANGLE (DEG)	68.3	68.3	68.3	68.3	68.3
25	GOES-SOLAR AZIMUTH (DEG)	126.0	127.0	127.0	127.0	126.0
26	VIS RADIANCE (REFLECTANCE)	0.176	0.208	0.192	0.184	0.192
	(COUNTS)	44	52	48	46	48
27	VIS CLEAR SKY RADIANCE (REFL)	0.088	0.076	0.088	0.088	0.092
	(COUNTS)	22	19	22	22	23
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	4	5	5	4	5
30	VIS THRESHOLD CODE	4	5	4	4	4
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	1	1	1	1	1
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	265.4	253.9	256.7	260.2	256.0
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	595.	470.	495.	530.	490.
37	CLEAR SKY TEMPERATURE (K)	274.4	275.0	273.2	273.8	275.0
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	6.82	16.44	10.23	8.30	10.05
43	AVERAGE SURFACE ALBEDO	0.22	0.18	0.22	0.22	0.23
44	CLOUD TOP TEMPERATURE (K)	265.4	253.9	256.7	260.2	256.0
45	CLOUD TOP PRESSURE (MB)	595.	470.	495.	530.	490.

Table 3. Continued.

1	MONTH/DAY	11/ 1	11/ 1	11/ 1	11/ 1	11/ 1
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.4	43.4	43.4
4	LONGITUDE (DEG +E)	-90.0	-89.6	-90.4	-90.0	-89.7
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	1	1	0
12	IR CLEAR SKY CODE	10	1	10	10	1
13	IR THRESHOLD CODE	3	3	5	4	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	276.1	279.5	263.4	269.7	280.5
	(COUNTS)	100	106	79	89	108
17	IR CLEAR SKY RADIANCE (K)	278.9	281.6	278.9	278.9	281.6
	(COUNTS)	105	110	105	105	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	2	5	3	2
24	SOLAR ZENITH ANGLE (DEG)	58.7	58.7	58.0	58.0	58.7
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.120	0.116	0.268	0.148	0.116
	(COUNTS)	30	29	67	37	29
27	VIS CLEAR SKY RADIANCE (REFL)	0.124	0.124	0.132	0.136	0.120
	(COUNTS)	31	31	33	34	30
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	3	3	5	4	3
30	VIS THRESHOLD CODE	2	2	5	3	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	276.1	280.5	*****	*****	281.6
34	CLOUD TOP TEMPERATURE (K)	*****	*****	263.4	270.3	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	*****	*****	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	560.	660.	*****
37	CLEAR SKY TEMPERATURE (K)	279.5	282.7	279.5	279.5	282.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	1	1	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.200	0.188	*****	*****	0.192
42	OPTICAL DEPTH	*****	*****	4.67	0.37	*****
43	AVERAGE SURFACE ALBEDO	0.21	0.21	0.22	0.23	0.20
44	CLOUD TOP TEMPERATURE (K)	*****	*****	262.8	233.8	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	555.	330.	*****

Table 3. Continued.

1	MONTH/DAY	11/ 1	11/ 1	11/ 1	11/ 1	11/ 1
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.4	43.0	43.0	43.0	43.0
4	LONGITUDE (DEG +E)	-89.3	-90.5	-90.1	-89.8	-89.4
5	GOES GROUND LOCATION	DD	GC	HH	II	JJ
6	DAY/NIGHT FLAG	0	C	0	0	0
7	SHORE FLAG	0	C	0	0	0
8	LAND/OCEAN FLAG	0	C	0	0	0
9	TOPOGRAPHY FLAG	0	C	0	0	0
10	SNOW/ICE FLAG	0	C	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	1	1C	10	10	10
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	C	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.9
16	IR RADIANCE (K)	264.1	258.9	259.5	258.2	256.0
	(COUNTS)	80	72	73	71	68
17	IR CLEAR SKY RADIANCE (K)	281.6	278.9	278.9	279.5	279.5
	(COUNTS)	110	105	105	106	106
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	5	5	4	5	5
24	SOLAR ZENITH ANGLE (DEG)	58.7	58.0	58.0	58.0	58.0
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.352	0.300	0.244	0.268	0.324
	(COUNTS)	88	75	61	67	81
27	VIS CLEAR SKY RADIANCE (REFL)	0.144	0.136	0.132	0.140	0.140
	(COUNTS)	36	34	33	35	35
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	5	5	4	5	5
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	264.1	258.9	259.5	258.2	256.0
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	570.	515.	525.	510.	490.
37	CLEAR SKY TEMPERATURE (K)	282.7	279.5	279.5	280.5	280.5
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	1	1	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	13.28	6.82	3.71	4.57	8.44
43	AVERAGE SURFACE ALBEDO	0.25	0.23	0.22	0.24	0.24
44	CLOUD TOP TEMPERATURE (K)	264.1	258.9	258.2	257.5	256.0
45	CLOUD TOP PRESSURE (MB)	570.	515.	510.	505.	490.

Table 3. Continued.

1	MONTH/DAY	11/ 1	11/ 1	11/ 1	11/ 1	11/ 1
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.4	43.4	43.4
4	LONGITUDE (DEG +E)	-90.0	-89.6	-90.4	-90.0	-89.7
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	1	1	1	1	1
12	IR CLEAR SKY CODE	10	10	10	10	10
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	233.8	236.6	243.7	252.4	254.6
	(COUNTS)	41	44	52	63	66
17	IR CLEAR SKY RADIANCE (K)	272.7	272.7	275.0	275.0	275.0
	(COUNTS)	94	94	98	98	98
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	4	4	4	4	4
24	SOLAR ZENITH ANGLE (DEG)	74.3	74.3	73.1	73.7	73.7
25	GOES-SOLAR AZIMUTH (DEG)	140.0	140.0	140.0	140.0	140.0
26	VIS RADIANCE (REFLECTANCE)	0.168	0.156	0.168	0.168	0.156
	(COUNTS)	42	39	42	42	39
27	VIS CLEAR SKY RADIANCE (REFL)	0.076	0.072	0.080	0.076	0.080
	(COUNTS)	19	18	20	19	20
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	4	4	4	4	4
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	1	1	1	1	1
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	233.8	236.6	243.7	252.4	254.6
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	330.	350.	395.	455.	475.
37	CLEAR SKY TEMPERATURE (K)	274.4	274.4	276.7	276.7	276.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	24.52	11.16	10.59	16.44	8.59
43	AVERAGE SURFACE ALBEDO	0.25	0.23	0.25	0.24	0.26
44	CLOUD TOP TEMPERATURE (K)	233.8	236.6	243.7	252.4	254.6
45	CLOUD TOP PRESSURE (MB)	330.	350.	395.	455.	475.



Table 3. Continued.

1	MONTH/DAY	11/ 1	11/ 1	11/ 1	11/ 1	11/ 1
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	43.0	43.0	43.0	43.0
4	LONGITUDE (DEG +E)	-89.3	-90.5	-90.1	-89.8	-89.4
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	2	1	1	1	1
12	IR CLEAR SKY CODE	10	10	10	10	10
13	IR THRESHOLD CODE	5	5	5	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16	IR RADIANCE (K)	255.3	258.2	256.0	256.7	258.9
	(COUNTS)	67	71	68	69	72
17	IR CLEAR SKY RADIANCE (K)	275.0	275.0	275.0	275.0	275.0
	(COUNTS)	98	98	98	98	98
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	4	4	5	4	4
24	SOLAR ZENITH ANGLE (DEG)	74.3	73.1	73.7	73.7	73.7
25	GOES-SOLAR AZIMUTH (DEG)	140.0	139.0	140.0	140.0	140.0
26	VIS RADIANCE (REFLECTANCE)	0.176	0.160	0.192	0.148	0.136
	(COUNTS)	44	40	48	37	34
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.072	0.072	0.080	0.072
	(COUNTS)	20	18	18	20	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	5	5	5
30	VIS THRESHOLD CODE	4	4	5	4	4
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	1	1	1	1	1
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	255.3	258.2	256.0	256.7	258.9
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	480.	510.	490.	495.	515.
37	CLEAR SKY TEMPERATURE (K)	276.7	276.7	276.7	276.7	276.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	C	0	0	1
40	VIS CLEAR SKY RETRIEVAL CODE	0	C	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	42.42	10.41	54.84	6.69	4.30
43	AVERAGE SURFACE ALBEDO	0.27	0.22	0.22	0.26	0.22
44	CLOUD TOP TEMPERATURE (K)	255.3	258.2	256.0	256.7	258.2
45	CLOUD TOP PRESSURE (MB)	480.	510.	490.	495.	510.

Table 3. Continued.

1	MONTH/DAY	11/ 2	11/ 2	11/ 2	11/ 2	11/ 2
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.8	43.8	43.4	43.4	43.4
4	LONGITUDE (DEG +E)	-90.0	-89.6	-90.4	-90.0	-89.7
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	1	1	10	11	11
13	IR THRESHOLD CODE	2	2	2	2	2
14	CLEAR SKY FILTER FLAG	0	0	1	0	0
15	GOES ZENITH ANGLE (DEG)	51.7	51.7	50.9	50.9	50.9
16	IR RADIANCE (K)	273.8	273.8	273.8	275.0	275.6
	(COUNTS)	96	96	96	98	99
17	IR CLEAR SKY RADIANCE (K)	272.1	272.1	272.7	271.5	272.1
	(COUNTS)	93	93	94	92	93
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	2	2	2	2
24	SOLAR ZENITH ANGLE (DEG)	69.5	68.9	69.5	68.9	68.9
25	GOES-SOLAR AZIMUTH (DEG)	127.0	127.0	127.0	127.0	127.0
26	VIS RADIANCE (REFLECTANCE)	0.072	0.076	0.076	0.072	0.076
	(COUNTS)	18	19	19	18	19
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.088	0.080	0.084	0.088
	(COUNTS)	20	22	20	21	22
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	2	2	2
30	VIS THRESHOLD CODE	2	2	2	2	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	275.0	275.0	274.4	276.1	277.3
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	272.7	272.7	272.7	272.1	272.7
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.172	0.180	0.188	0.168	0.184
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.20	0.22	0.20	0.21	0.22
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	11/ 2	11/ 2	11/ 2	11/ 2	11/ 2
2	HOUR:MIN (GMT)	15:04	15:04	15:04	15:04	15:04
3	LATITUDE (DEG +N)	43.4	43.0	43.0	43.0	43.0
4	LONGITUDE (DEG +E)	-89.3	-90.5	-90.1	-89.8	-89.4
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	11	10	10	10	10
13	IR THRESHOLD CODE	2	2	2	2	2
14	CLEAR SKY FILTER FLAG	0	1	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.9
16	IR RADIANCE (K)	275.0	273.8	275.0	275.0	275.0
	(COUNTS)	98	96	98	98	98
17	IR CLEAR SKY RADIANCE (K)	272.7	273.2	271.5	272.1	273.2
	(COUNTS)	94	95	92	93	95
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	3	2	2	2
24	SOLAR ZENITH ANGLE (DEG)	68.9	68.9	68.9	68.3	68.3
25	GOES-SOLAR AZIMUTH (DEG)	127.0	127.0	127.0	127.0	126.0
26	VIS RADIANCE (REFLECTANCE)	0.080	0.072	0.076	0.076	0.080
	(COUNTS)	20	18	19	19	20
27	VIS CLEAR SKY RADIANCE (REFL)	0.088	0.072	0.088	0.088	0.092
	(COUNTS)	22	18	22	22	23
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	2	2	2
30	VIS THRESHOLD CODE	2	3	2	2	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	276.1	274.4	276.1	276.1	276.1
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	273.8	273.8	272.1	272.7	273.8
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.196	0.168	0.184	0.176	0.192
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.22	0.17	0.22	0.22	0.23
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	11/ 2	11/ 2	11/ 2	11/ 2	11/ 2
2	HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3	LATITUDE (DEG +N)	43.8	43.8	43.4	43.4	43.4
4	LONGITUDE (DEG +E)	-90.0	-89.6	-90.4	-90.0	-89.7
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	0	0	0	0	0
12	IR CLEAR SKY CODE	10	1	10	10	1
13	IR THRESHOLD CODE	2	2	2	2	2
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.2	50.9
16	IR RADIANCE (K)	282.2	282.2	283.7	283.7	283.7
	(COUNTS)	111	111	114	114	114
17	IR CLEAR SKY RADIANCE (K)	278.9	281.6	278.9	278.9	281.6
	(COUNTS)	105	110	105	105	110
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	2	2	2	2	3
24	SOLAR ZENITH ANGLE (DEG)	58.7	58.7	58.0	58.0	58.0
25	GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26	VIS RADIANCE (REFLECTANCE)	0.120	0.116	0.116	0.120	0.128
	(COUNTS)	30	29	29	30	32
27	VIS CLEAR SKY RADIANCE (REFL)	0.124	0.124	0.132	0.136	0.124
	(COUNTS)	31	31	33	34	31
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	2	2	2	2	2
30	VIS THRESHOLD CODE	2	2	2	2	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	285.2	285.2	286.3	286.8	286.8
34	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35	SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	281.1	284.2	280.5	281.1	284.2
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	0	0	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	0.200	0.192	0.188	0.196	0.212
42	OPTICAL DEPTH	*****	*****	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.21	0.21	0.22	0.23	0.20
44	CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1 MONTH/DAY	11/ 2	11/ 2	11/ 2	11/ 2	11/ 2
2 HOUR:MIN (GMT)	18:04	18:04	18:04	18:04	18:04
3 LATITUDE (DEG +N)	43.4	43.0	43.0	43.0	43.0
4 LONGITUDE (DEG +E)	-89.3	-90.5	-90.1	-89.8	-89.4
5 GOES GROUND LOCATION	DD	GC	HH	II	JJ
6 DAY/NIGHT FLAG	0	C	0	0	0
7 SHORE FLAG	0	C	0	0	0
8 LAND/OCEAN FLAG	0	C	0	0	0
9 TOPOGRAPHY FLAG	0	C	0	0	0
10 SNOW/ICE FLAG	0	C	0	0	0
11 CLOUD CODE	0	C	0	0	0
12 IR CLEAR SKY CODE	1	10	10	10	10
13 IR THRESHOLD CODE	2	2	2	2	2
14 CLEAR SKY FILTER FLAG	0	C	0	0	0
15 GOES ZENITH ANGLE (DEG)	50.9	50.2	50.2	50.2	50.2
16 IR RADIANCE (K)	283.2	284.2	284.2	284.2	284.2
(COUNTS)	113	115	115	115	115
17 IR CLEAR SKY RADIANCE (K)	281.6	278.9	278.9	279.5	279.5
(COUNTS)	110	105	105	106	106
18 SOLAR GLINT FLAG	0	C	0	0	0
19 LONG TERM STAT FLAG	1	1	1	1	1
20 REGION STAT FLAG	0	C	0	0	0
21 VIS DARK FLAG	0	C	0	0	0
22 VIS BRIGHT FLAG	0	0	0	0	0
23 VIS THRESHOLD CODE	2	2	2	2	2
24 SOLAR ZENITH ANGLE (DEG)	58.7	58.0	58.0	58.0	58.0
25 GOES-SOLAR AZIMUTH (DEG)	174.0	174.0	174.0	174.0	174.0
26 VIS RADIANCE (REFLECTANCE)	0.136	0.120	0.116	0.124	0.132
(COUNTS)	34	30	29	31	33
27 VIS CLEAR SKY RADIANCE (REFL)	0.144	0.136	0.132	0.140	0.140
(COUNTS)	36	34	33	35	35
28 DAY/NIGHT FLAG	0	0	0	0	0
29 IR THRESHOLD CODE	2	2	2	2	2
30 VIS THRESHOLD CODE	2	2	2	2	2
31 IR RETRIEVAL CODE	0	0	0	0	0
32 IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33 SURFACE TEMPERATURE (K)	286.3	286.8	287.3	287.3	287.3
34 CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
35 SURFACE PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
36 CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****
37 CLEAR SKY TEMPERATURE (K)	284.2	280.5	281.1	281.6	281.6
38 CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39 VIS RETRIEVAL CODE	0	0	0	0	0
40 VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41 SURFACE ALBEDO	0.236	0.196	0.188	0.204	0.224
42 OPTICAL DEPTH	*****	*****	*****	*****	*****
43 AVERAGE SURFACE ALBEDO	0.25	0.23	0.22	0.24	0.24
44 CLOUD TOP TEMPERATURE (K)	*****	*****	*****	*****	*****
45 CLOUD TOP PRESSURE (MB)	*****	*****	*****	*****	*****

Table 3. Continued.

1	MONTH/DAY	11/ 2	11/ 2	11/ 2	11/ 2	11/ 2
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.8	43.8	43.4	43.4	43.4
4	LONGITUDE (DEG +E)	-90.0	-89.6	-90.4	-90.0	-89.7
5	GOES GROUND LOCATION	V	W	AA	BB	CC
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	3	1	1	1	1
12	IR CLEAR SKY CODE	10	10	10	10	10
13	IR THRESHOLD CODE	5	5	4	5	5
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.9	50.9	50.2	50.2	50.2
16	IR RADIANCE (K)	258.2	252.4	264.7	261.5	262.8
	(COUNTS)	71	63	81	76	78
17	IR CLEAR SKY RADIANCE (K)	272.7	272.7	275.0	275.0	275.0
	(COUNTS)	94	94	98	98	98
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	4	3	3	3
24	SOLAR ZENITH ANGLE (DEG)	73.7	74.3	73.7	73.7	74.3
25	GOES-SOLAR AZIMUTH (DEG)	140.0	140.0	140.0	140.0	140.0
26	VIS RADIANCE (REFLECTANCE)	0.108	0.156	0.100	0.096	0.088
	(COUNTS)	27	39	25	24	22
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.072	0.076	0.076	0.076
	(COUNTS)	20	18	19	19	19
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	5	4	5	5
30	VIS THRESHOLD CODE	3	4	3	3	3
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	*****	*****	*****
34	CLOUD TOP TEMPERATURE (K)	258.2	252.4	264.7	261.5	262.8
35	SURFACE PRESSURE (MB)	*****	*****	*****	*****	*****
36	CLOUD TOP PRESSURE (MB)	585.	520.	630.	635.	655.
37	CLEAR SKY TEMPERATURE (K)	273.8	273.8	275.6	276.1	276.1
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	1	0	1	1	3
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	*****	*****	*****
42	OPTICAL DEPTH	1.09	11.76	0.87	0.72	0.37
43	AVERAGE SURFACE ALBEDO	0.26	0.24	0.24	0.24	0.26
44	CLOUD TOP TEMPERATURE (K)	245.3	252.4	253.1	239.2	204.5
45	CLOUD TOP PRESSURE (MB)	455.	520.	500.	410.	185.

Table 3. Concluded.

1	MONTH/DAY	11/ 2	11/ 2	11/ 2	11/ 2	11/ 2
2	HOUR:MIN (GMT)	21:04	21:04	21:04	21:04	21:04
3	LATITUDE (DEG +N)	43.4	43.0	43.0	43.0	43.0
4	LONGITUDE (DEG +E)	-89.3	-90.5	-90.1	-89.8	-89.4
5	GOES GROUND LOCATION	DD	GG	HH	II	JJ
6	DAY/NIGHT FLAG	0	0	0	0	0
7	SHORE FLAG	0	0	0	0	0
8	LAND/OCEAN FLAG	0	0	0	0	0
9	TOPOGRAPHY FLAG	0	0	0	0	0
10	SNOW/ICE FLAG	0	0	0	0	0
11	CLOUD CODE	3	1	0	0	0
12	IR CLEAR SKY CODE	10	10	10	10	10
13	IR THRESHOLD CODE	5	4	2	3	3
14	CLEAR SKY FILTER FLAG	0	0	0	0	0
15	GOES ZENITH ANGLE (DEG)	50.2	49.5	50.2	50.2	50.2
16	IR RADIANCE (K)	254.6	266.6	276.1	275.0	274.4
	(COUNTS)	66	84	100	98	97
17	IR CLEAR SKY RADIANCE (K)	275.0	275.0	275.0	275.0	275.0
	(COUNTS)	98	98	98	98	98
18	SOLAR GLINT FLAG	0	0	0	0	0
19	LONG TERM STAT FLAG	1	1	1	1	1
20	REGION STAT FLAG	0	0	0	0	0
21	VIS DARK FLAG	0	0	0	0	0
22	VIS BRIGHT FLAG	0	0	0	0	0
23	VIS THRESHOLD CODE	3	3	3	3	2
24	SOLAR ZENITH ANGLE (DEG)	74.3	73.1	73.7	73.7	73.7
25	GOES-SOLAR AZIMUTH (DEG)	141.0	140.0	140.0	140.0	141.0
26	VIS RADIANCE (REFLECTANCE)	0.100	0.088	0.072	0.080	0.068
	(COUNTS)	25	22	18	20	17
27	VIS CLEAR SKY RADIANCE (REFL)	0.080	0.072	0.072	0.080	0.072
	(COUNTS)	20	18	18	20	18
28	DAY/NIGHT FLAG	0	0	0	0	0
29	IR THRESHOLD CODE	5	4	2	3	3
30	VIS THRESHOLD CODE	3	3	3	3	2
31	IR RETRIEVAL CODE	0	0	0	0	0
32	IR CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
33	SURFACE TEMPERATURE (K)	*****	*****	277.8	276.1	275.6
34	CLOUD TOP TEMPERATURE (K)	254.6	266.6	*****	*****	*****
35	SURFACE PRESSURE (MB)	*****	*****	1000.	1000.	1000.
36	CLOUD TOP PRESSURE (MB)	540.	665.	*****	*****	*****
37	CLEAR SKY TEMPERATURE (K)	276.1	275.6	276.1	276.1	276.1
38	CLEAR SKY PRESSURE (MB)	1000.	1000.	1000.	1000.	1000.
39	VIS RETRIEVAL CODE	1	1	0	0	0
40	VIS CLEAR SKY RETRIEVAL CODE	0	0	0	0	0
41	SURFACE ALBEDO	*****	*****	0.224	0.260	0.208
42	OPTICAL DEPTH	0.87	0.40	*****	*****	*****
43	AVERAGE SURFACE ALBEDO	0.27	0.22	0.22	0.26	0.22
44	CLOUD TOP TEMPERATURE (K)	226.5	238.4	*****	*****	*****
45	CLOUD TOP PRESSURE (MB)	310.	390.	*****	*****	*****



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16. Abstract Maps and tables are presented which show 45 satellite-derived physical, radiation, or cloud parameters from ISCCP CX tapes during the FIRE/SRB Wisconsin experiment region from October 14 through November 2, 1986. Pixel locations selected for presentation are for an area which coincided with a 100 x 100 km array of evenly-spaced ground-truth sites. Area-averaged parameters derived from the ISCCP data should be consistent with area averages from the groundtruth stations.					
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