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GOES Satellite Observations for the FIRE/SRB Wisconsin Experiment Region from October 11 Through November 2, 1986

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GOES Satellite Observations
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from October 11 Through November 2, 1986

by

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SUMMARY

A map, concise tables, and satellite images are presented which show ground-site locations, GOES visible/infrared instrument counts above each site, and cloud spatial distribution for the experiment region from October 11 through November 2, 1986. The cloud images are presented near times of the afternoon NOAA 9 satellite overpasses in order to provide a qualitative aid in the interpretation of TOVS, AVHRR, and heat budget data during the FIRE/SRB experiment.

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 Starr¹. The algorithm validation activity was the first experiment of an SRB algorithm intercomparison program based on scientific recommendations from Suttles and Ohring². Both the FIRE and SRB experiments require use of GOES Visible and Infrared Spin Scan Radiometer (VISSR) satellite data products. It is the purpose of this document to present those results in a concise form such that investigators from both programs may quickly evaluate usefulness of the data to their own particular needs.

DATA DESCRIPTION

The VISSR data presented in this document are 7 km (near nadir) pixel size values. In order to be consistent with future ISCCP tape data products (see Schiffer and Rossow³), 7-km resolution results were selected for presentation. Values are presented for the FIRE/SRB surface stations given in both table 1 and figure 1. For the Wisconsin region, actual pixel sizes are somewhat larger than nadir values because the GOES satellite is located over the Equator observing a curved Earth surface from an

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oblique angle. Actual pixel size for both the visible and infrared data is approximately 12 by 7 km in the center of the region. Figure 2 is nearly identical to figure 1 except that it is an oblique projection of the region as viewed by the GOES satellite. Figure 2 dimensions are identical to dimensions of both the visible and infrared images presented in figures 3 through 25. If the reader constructs a 1:1 transparent copy of figure 2, that transparency may be used as an overlay to locate a particular FIRE/SRB surface station on the GOES visible or infrared images of the region. All GOES images in this document are near the afternoon overpass times⁴ of the NOAA 9 satellite. This is to provide a qualitative aid for interpretation of TOVS and heat budget data^{4,5}. It should be noted that the commonly used gray-scale algorithm given in appendix E of Gibson⁶ was not used in production of the images in this report. Instead, a gray-scale algorithm was derived for each visible and infrared image to give the clearest photograph on processing equipment at the NASA Langley Research Center. Also, all GMT times given in this document are in the hh:mm format.

Tables 2 through 24 give VISSR instrument counts for each day of the experiment period. Times given are those of the VISSR scan over the center of the Wisconsin region. (Total scan time from top to bottom of the region is approximately 0.6 min.)

Visible channel counts on a 0 - 252 full-scale (8-bit) basis are given in part (a) of tables 2 through 24. In order to maintain consistency with future ISCCP tape data products, 8-bit values are presented. The * symbols indicate that no data are available. A procedure for converting instrument counts to radiance is not available from NOAA because instrument gain is sometimes adjusted slightly to remove stripes and improve image quality. Prior to launch, the instrument was calibrated at the Santa Barbara Research Center. A least-squares fit and temperature correction to that calibration data gives the following calibration equation:

$$R = aC^2 + b \quad (1)$$

where: R = radiance ($W m^{-2} sr^{-1} \mu m^{-1}$).
 C = 8-bit visible channel counts.
 a = gain ($= 8.09 \times 10^{-3}$).
 b = intercept ($= -1.7$).

Values for the prelaunch calibration constants a and b are from Frouin and Gautier⁷ after division by π and the integrated filter function (0.187) to transform from irradiance ($W m^{-2}$) to radiance units ($W m^{-2} sr^{-1} \mu m^{-1}$). Review of Frouin and Gautier's indirect post-launch calibration results^{7,8} suggests that the gain, a, varied between 8.1×10^{-3} and 11×10^{-3} during the period from October 1983 to January 1985. (The intercept, b, ranged from -4.8 to -9.0 over the same period.) While indirect calibration procedures have not yet been precisely verified, it is clear that small instrument gain adjustments over a long period of time may have the effect of significantly altering

instrument performance from that of prelaunch conditions. As part of the Wisconsin SRB experiment, U-2 aircraft flights were conducted over White Sands, New Mexico, using a NOAA spectrometer to validate prelaunch calibration of the AVHRR instrument and to calibrate the VISSR response for this time period. In addition, the University of California used their indirect technique to calibrate both satellite instruments. Preliminary results* suggest that VISSR instrument gain differed from prelaunch values by amounts of from 13 to 34 percent for the time period of the FIRE/SRB Wisconsin experiment. Until calibration results are finalized, it is recommended that the enclosed VISSR visible channel count values be used with caution.

Infrared channel counts on a 0 - 252 full-scale (8-bit) basis are given in part (b) of tables 2 through 24. Unlike visible channel results, infrared data are calibrated frequently by NOAA. The results presented in this document are calibrated counts and may be converted to temperature as follows (from Gibson⁶):

$$T = C_i + 163 \quad (0 \leq C_i \leq 79) \quad (2)$$

$$T = 0.5(C_i + 406) \quad (86 \leq C_i \leq 330) \quad (3)$$

where: T = temperature in degrees K.
 C_i = 8-bit infrared channel counts.

CONCLUDING REMARKS

Over the 23-day period of the investigation, 99.6 percent of the possible daytime visible channel GOES VISSR data values were obtained. Infrared channel data acquisition success was 99.8 percent. Results appear to include a wide range of cloud conditions which were desired by both FIRE and SRB scientists.

Acknowledgments. The data presented herein are based on archive tapes from the Space Science and Engineering Center at the University of Wisconsin, courtesy of the NASA Earth Radiation Budget Experiment project. The authors wish to express their appreciation to Patrick Minnis of the NASA Langley Research Center and Patrick Heck of PRC Kentron for providing the software used to extract regional GOES data from the raw archive tapes.

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TABLE 1. COORDINATES OF FIRE/SRB SURFACE STATIONS

Station	Latitude (deg N)	Longitude (deg W)
1. Madison(Truax)	43.13	89.32
2. Ft. McCoy	43.96	90.76
3. Stevens Point	44.55	89.53
4. Baraboo	43.52	89.77
5. Adams County	43.97	89.80
6. Wautoma	44.04	89.30
7. Oshkosh	43.99	88.56
8. Wausau	44.92	89.62
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. OCTOBER 11 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	28	24	28	28	28	24	28	28	24	28	28	24	28	28	24	28	24	28	26.8
02:03	28	28	28	24	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26.6
03:03	28	24	28	28	24	28	28	28	28	28	28	28	28	28	28	28	28	28	27.3
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	28	28	28	24	28	24	24	28	28	28	28	28	28	28	28	28	28	27.2
12:04	32	28	32	28	32	32	32	28	28	32	28	32	28	32	32	32	32	32	27.0
13:04	80	68	76	56	72	72	68	64	72	64	68	64	72	64	72	68	56	68	27.3
14:04	100	112	108	92	100	88	96	112	96	84	100	116	112	112	100	100	100	92	27.3
15:04	132	128	140	124	112	104	100	128	132	124	128	132	132	132	128	128	128	136	27.5
16:04	156	140	152	148	148	152	132	152	148	152	152	156	152	152	148	160	156	156	27.4
17:34	132	164	164	160	152	168	160	168	148	160	164	136	120	140	128	136	136	124	27.6
18:04	140	172	164	152	156	156	168	172	148	156	152	148	160	164	144	144	140	144	27.7
19:04	132	152	168	140	160	160	144	160	144	144	144	136	140	128	116	144	156	144	27.6
20:04	116	140	140	124	132	148	132	156	108	120	140	132	144	116	112	140	120	128	27.6
21:04	104	112	116	116	112	120	108	120	104	108	116	120	120	120	108	108	108	104	27.3
22:04	84	92	96	92	84	76	80	88	80	80	84	84	80	92	92	88	92	88	27.1
23:04	40	44	40	44	40	40	36	48	40	40	40	48	48	52	44	48	48	44	26.6

TABLE 2. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	105	116	117	106	114	109	105	118	105	106	106	105	104	105	104	104	105	105
01:04	107	116	117	109	116	110	106	117	106	109	109	108	106	106	106	106	107	106
02:03	106	114	117	109	116	116	103	119	105	109	114	113	114	106	106	109	108	108
03:03	106	117	117	107	115	106	105	118	106	108	113	110	112	116	106	106	106	106
04:03	126	123	117	110	116	108	106	119	114	109	110	130	127	122	123	127	117	123
05:03	113	123	135	110	119	118	109	140	123	116	110	109	110	116	105	108	110	109
06:03	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
07:03	124	168	132	129	135	132	118	135	126	127	129	133	138	140	130	130	126	127
08:03	136	181	148	159	151	160	124	159	148	148	164	148	145	157	129	146	159	138
09:04	150	185	162	170	138	151	143	162	127	140	176	164	156	169	158	178	181	174
10:04	123	130	181	138	133	164	164	179	110	118	141	155	183	187	176	178	123	136
11:04	184	155	124	185	118	115	105	164	185	185	180	175	176	187	177	176	170	192
12:04	176	177	126	183	181	141	133	138	180	181	182	174	167	173	164	162	181	170
13:04	155	162	127	148	167	170	146	132	166	146	156	160	164	171	171	156	143	151
14:04	176	185	146	143	160	133	132	140	159	143	151	167	171	190	168	141	156	141
15:04	185	191	176	187	169	170	123	178	191	175	180	184	189	191	188	184	194	193
16:04	188	184	177	184	190	185	160	177	189	190	187	182	178	166	167	174	189	185
17:34	199	189	184	201	199	199	201	199	189	194	201	201	199	201	199	201	194	199
18:04	181	180	168	184	151	158	166	182	174	166	185	172	173	166	177	171	176	181
19:04	156	145	180	153	162	164	159	188	150	180	156	162	157	145	148	143	158	150
20:04	170	148	157	150	182	151	160	157	176	146	164	160	153	153	146	150	160	162
21:04	178	173	153	155	167	172	162	151	185	146	167	159	143	166	174	182	182	177
22:04	167	170	173	160	164	179	184	173	175	171	162	164	148	155	157	148	162	162
23:04	182	185	162	176	180	174	169	180	158	173	182	176	172	155	180	168	171	179

TABLE 3. OCTOBER 12 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	28	24	28	28	28	28	28	28	24	28	24	24	28	24	28	28	24	24	26.6
02:03	28	28	28	28	28	28	28	28	28	28	24	28	24	28	28	28	28	28	26.6
03:03	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26.9
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:33	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	28	28	24	28	28	28	28	28	28	28	28	28	28	28	28	24	28	27.0
12:04	32	28	32	28	28	28	32	28	28	28	28	28	24	28	32	32	28	28	26.7
13:04	60	64	48	64	64	52	80	64	56	56	64	64	64	64	60	64	64	48	26.8
14:04	88	96	72	96	96	100	68	80	92	96	96	96	96	96	96	96	96	96	27.0
15:04	124	116	124	116	120	120	116	124	124	116	120	116	116	116	120	116	116	120	27.4
16:04	152	136	140	140	136	144	140	148	144	140	132	140	132	144	148	140	140	148	27.2
17:04	160	156	148	152	160	148	152	160	156	148	156	148	156	156	156	152	152	156	27.5
18:04	168	168	164	160	164	156	156	164	160	160	160	164	164	172	164	164	156	164	27.7
19:04	156	156	152	152	152	152	148	148	160	156	152	140	152	148	152	152	156	156	27.8
20:04	140	136	120	140	132	136	132	128	136	132	132	136	140	140	132	132	140	132	27.7
21:04	116	116	108	116	112	112	112	104	112	116	112	116	112	116	116	116	116	116	27.0
22:04	80	80	80	80	76	80	76	80	80	80	72	76	80	84	80	84	80	84	26.9
23:04	40	40	40	40	40	40	36	40	40	40	40	40	40	40	40	40	40	40	26.6

TABLE 3. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	183	179	183	166	172	171	180	184	183	177	168	174	153	162	173	175	172	180
01:04	172	194	184	176	160	164	185	186	159	155	184	176	177	182	177	174	180	168
02:03	179	176	188	170	176	184	177	185	176	179	174	174	174	168	185	179	174	181
03:03	189	166	176	192	177	176	174	172	181	185	183	182	180	164	185	185	193	181
04:03	184	182	179	178	178	171	182	182	176	166	175	177	173	178	150	179	176	175
05:03	177	172	177	185	192	168	177	183	174	183	188	189	190	188	188	190	185	185
05:33	199	203	201	205	203	199	184	199	201	201	203	201	203	201	203	203	201	203
07:03	184	145	193	181	188	179	189	190	179	187	182	162	170	162	159	177	174	180
08:03	184	132	189	133	140	172	168	185	166	150	151	132	153	138	178	130	143	183
09:04	170	164	160	176	164	135	184	146	179	159	168	162	150	150	173	160	176	177
10:04	135	155	141	124	130	162	162	145	143	148	119	132	136	136	135	135	145	160
11:04	137	173	166	162	158	120	146	178	160	173	153	162	155	160	150	167	173	143
12:04	126	133	127	132	138	172	138	141	120	132	129	127	123	121	117	123	129	126
13:04	109	115	137	109	109	111	160	124	105	108	110	112	110	110	105	106	108	104
14:04	103	116	109	110	111	106	102	109	105	109	112	112	111	110	107	110	110	105
15:04	110	116	109	110	111	108	106	109	110	110	113	113	115	113	112	111	111	110
16:04	112	116	110	113	112	109	106	110	112	112	113	114	114	116	113	115	113	112
17:04	111	117	112	115	111	111	109	113	111	111	114	116	116	116	113	114	115	113
18:04	113	119	113	114	115	112	110	113	113	113	115	116	116	116	115	116	114	114
19:04	115	120	116	116	116	113	110	115	115	114	117	117	117	116	116	116	116	116
20:04	116	122	116	117	117	115	113	116	116	117	118	118	119	119	117	119	117	117
21:04	117	122	117	120	120	117	115	116	119	119	120	120	120	118	118	119	119	119
22:04	118	123	120	118	120	119	116	119	118	118	120	120	119	120	118	120	120	119
23:04	120	126	120	120	121	119	117	119	118	120	121	120	123	120	120	121	120	118

TABLE 4. OCTOBER 13 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	28	24	28	24	24	28	24	28	28	24	28	24	28	24	28	28	28	24	26.6
02:03	28	28	28	28	24	28	28	24	28	28	24	28	24	28	28	28	28	28	26.6
03:03	28	24	28	24	24	28	28	28	28	24	28	28	24	28	28	24	28	28	27.0
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:33	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	28	28	28	28	24	28	28	24	28	28	28	28	28	28	28	28	28	26.8
12:04	32	28	32	28	32	32	32	32	32	32	32	28	28	28	28	28	32	28	26.8
13:04	52	48	76	72	68	64	56	68	72	72	72	76	80	80	68	84	72	68	27.4
14:04	84	76	104	100	108	116	96	100	92	100	92	96	100	100	100	100	108	88	27.1
15:04	80	116	116	100	124	132	120	132	92	116	116	108	108	112	120	120	108	112	27.4
16:04	120	120	136	120	120	136	140	156	116	128	120	132	124	148	140	140	132	140	27.2
17:04	148	140	148	152	124	148	152	144	156	128	144	156	152	152	164	140	140	168	27.6
18:04	168	140	156	156	156	152	152	164	168	160	172	164	172	172	164	152	168	176	27.8
19:04	160	144	148	160	168	152	156	152	160	160	164	136	152	160	148	144	160	152	27.9
20:04	140	140	152	120	124	136	132	132	136	120	132	140	148	152	148	140	132	132	27.5
21:04	92	116	92	116	116	108	104	136	108	132	140	108	96	88	100	104	132	108	27.1
22:04	72	88	88	64	88	88	76	80	60	64	68	64	72	68	76	64	56	72	26.8
23:04	40	36	36	40	40	36	36	40	36	40	40	40	40	40	40	36	40	40	26.7

TABLE 4. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	120	126	121	121	121	120	118	120	120	120	121	123	123	123	120	121	121	120
01:04	121	126	121	123	121	122	120	122	121	121	121	123	123	124	123	123	121	121
02:03	120	126	121	121	123	121	120	121	121	121	123	123	124	123	123	120	121	121
03:03	121	126	121	123	123	121	120	120	121	121	123	124	124	124	123	123	123	121
04:03	122	126	123	123	123	122	119	122	122	122	124	124	124	123	123	123	123	123
05:03	121	126	123	123	123	121	118	123	123	121	120	123	124	124	123	123	123	121
05:33	143	148	153	138	143	138	127	153	133	138	143	148	148	158	148	143	143	143
07:03	120	127	121	126	127	126	120	123	121	123	135	148	135	135	121	121	124	121
08:03	120	126	124	118	127	130	120	123	121	123	117	120	121	121	121	120	118	120
09:04	120	130	124	***	124	123	120	124	121	***	***	123	123	121	121	121	120	120
10:04	122	171	146	132	124	124	122	126	123	123	143	160	162	140	124	124	124	123
11:04	151	169	127	126	145	129	124	127	127	126	135	164	181	183	170	176	153	175
12:04	176	178	135	179	183	133	146	132	177	173	178	184	187	183	183	185	182	182
13:04	148	166	183	177	181	183	145	179	178	183	178	177	172	155	143	164	175	146
14:04	136	151	182	148	160	167	143	186	140	145	146	143	143	140	137	141	150	135
15:04	126	156	150	150	155	143	171	178	129	138	167	160	153	145	158	151	143	140
16:04	133	140	137	130	130	130	135	156	141	130	141	151	132	150	153	157	148	145
17:04	153	138	129	150	137	133	129	133	150	133	148	141	132	133	155	143	148	153
18:04	148	157	130	150	141	146	129	133	151	162	141	140	145	145	155	145	151	164
19:04	168	178	172	150	150	155	136	140	157	179	150	159	182	186	171	175	141	145
20:04	180	188	153	176	180	168	155	172	176	166	183	189	188	187	184	187	187	184
21:04	140	188	175	158	188	187	135	160	156	168	174	137	136	126	127	130	153	138
22:04	129	181	187	130	136	143	132	186	127	127	136	140	141	141	135	140	133	132
23:04	146	157	141	148	141	138	127	186	145	143	145	145	145	145	145	145	148	148

TABLE 5. OCTOBER 14 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	24	28	24	28	28	28	28	28	28	24	28	28	28	28	28	28	24	28	26.4
02:03	28	28	24	24	28	28	24	28	24	24	28	24	28	28	24	28	28	28	26.8
03:03	28	28	24	28	28	28	28	28	28	28	28	24	28	28	28	28	24	28	27.0
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:33	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	28	28	24	28	24	28	28	28	24	28	28	28	28	28	28	28	28	27.1
12:04	32	28	28	28	28	32	28	28	28	32	28	28	28	28	28	28	28	28	26.7
13:04	64	64	48	60	68	64	60	48	64	60	60	56	52	68	64	48	56	64	27.0
14:04	76	100	88	76	100	104	96	96	92	92	72	76	88	88	92	84	84	80	26.8
15:04	112	104	112	116	120	108	104	112	96	104	112	80	108	96	104	116	108	116	27.0
16:04	120	116	136	120	132	140	132	136	124	124	120	124	120	128	116	124	128	124	27.2
17:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
18:04	144	172	168	140	152	148	128	160	144	140	144	152	140	152	140	148	152	160	27.4
19:04	120	140	140	140	160	152	144	144	128	152	144	144	148	148	156	152	136	140	27.6
20:04	116	96	124	140	132	136	132	132	132	144	148	132	140	132	124	120	124	120	27.5
21:04	112	72	112	92	104	104	100	108	112	112	80	120	108	108	104	112	116	112	27.1
22:04	72	48	88	56	76	68	72	84	72	68	60	60	56	52	64	60	60	60	27.0
23:04	40	32	36	36	32	36	36	36	36	40	32	36	36	36	36	36	40	36	26.3

TABLE 5. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	146	148	143	146	145	148	141	148	148	148	145	137	137	133	137	135	141	146	
01:04	123	148	150	143	148	150	148	145	138	141	145	127	138	138	126	127	130	121	
02:03	127	159	150	148	146	146	146	145	127	143	145	130	153	141	130	133	140	127	
03:03	124	172	145	135	141	145	138	151	141	145	146	138	138	136	138	140	135	129	
04:03	138	171	141	141	137	167	146	153	137	132	143	140	137	135	140	143	140	140	
05:03	150	157	146	138	153	145	143	153	148	143	138	136	138	140	143	140	141	150	
05:33	148	178	178	153	173	163	158	178	153	158	163	158	153	153	148	158	158	148	
07:03	140	159	143	146	151	140	145	159	141	140	157	141	143	140	143	141	141	140	
08:03	141	159	143	151	148	143	136	153	143	146	155	148	145	145	143	146	145	141	
09:04	141	160	151	155	151	140	129	155	146	143	155	160	166	148	151	146	157	153	
10:04	167	148	156	155	157	141	132	156	151	155	153	155	150	166	155	150	162	153	
11:04	153	148	160	162	160	157	127	170	160	164	162	162	162	162	157	157	153	160	158
12:04	148	171	166	164	162	162	160	156	164	164	166	164	159	164	153	164	164	160	
13:04	166	187	150	166	168	168	162	145	166	162	162	156	159	164	166	159	155	166	
14:04	166	178	160	146	168	167	164	158	160	159	162	155	175	162	167	155	151	162	
15:04	173	164	151	167	164	160	160	160	162	158	164	155	162	166	177	175	176	179	
16:04	148	141	151	146	157	167	168	156	151	153	150	156	164	172	153	160	153	151	
17:04	164	133	141	164	156	148	146	141	166	166	162	168	170	155	155	160	164	153	
18:04	164	143	151	156	148	140	140	141	160	157	155	153	141	145	150	155	160	162	
19:04	146	137	138	150	145	145	145	141	148	150	151	151	145	140	148	150	151	148	
20:04	145	120	143	146	140	148	151	146	143	145	145	148	138	136	148	148	143	140	
21:04	136	127	143	127	140	141	150	143	138	136	129	132	126	130	136	130	137	138	
22:04	130	113	138	129	126	137	136	137	129	121	138	121	115	115	130	116	127	132	
23:04	138	113	135	121	113	135	136	132	133	118	113	113	113	113	116	111	123	130	

TABLE 6. OCTOBER 15 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	28	28	28	28	24	28	24	28	28	24	24	28	28	24	28	28	24	28	26.2	
02:03	28	28	24	24	28	28	24	28	24	24	28	28	28	28	28	28	28	24	26.6	
03:03	28	28	24	28	24	28	28	24	24	28	24	28	28	28	28	28	24	28	27.0	
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*	
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*	
05:33	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*	
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*	
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*	
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*	
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*	
11:04	28	28	28	28	24	28	24	24	24	28	24	28	28	28	28	24	28	28	26.7	
12:04	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26.6	
13:04	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	26.8	
14:04	52	52	48	52	48	48	52	52	48	52	52	52	56	48	52	52	52	52	26.4	
15:04	64	60	56	60	56	56	64	60	60	56	60	60	60	60	60	56	60	60	26.9	
16:04	76	76	72	68	68	68	64	104	72	68	68	64	68	68	64	68	68	72	27.0	
17:04	76	92	136	80	88	108	80	136	88	88	80	76	72	72	72	72	88	72	27.4	
18:04	104	120	140	92	96	124	92	148	104	96	96	80	80	76	84	80	96	88	27.3	
19:04	88	108	128	88	120	128	112	140	100	88	88	76	84	72	72	88	80	76	27.6	
20:04	72	100	116	84	104	108	80	120	68	84	80	72	68	68	64	72	72	76	27.5	
21:04	64	68	100	68	92	80	68	104	68	64	60	60	60	60	60	64	68	60	27.1	
22:04	48	60	76	48	48	56	56	76	48	44	48	48	48	48	44	48	44	48	26.7	
23:04	32	32	32	32	36	32	32	36	36	32	32	32	32	32	36	32	32	36	26.4	

TABLE 6. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	116	133	123	116	114	135	136	135	113	114	118	116	116	116	116	114	116	114
01:04	117	117	122	119	136	117	136	132	116	117	119	117	116	118	117	117	119	117
02:03	118	140	126	118	116	118	136	127	114	117	118	130	124	132	117	121	117	118
03:03	116	124	121	123	126	117	121	123	116	118	120	121	130	136	118	124	121	117
04:03	113	117	119	119	116	120	116	119	116	117	119	126	140	120	119	119	119	117
05:03	117	117	129	118	140	118	114	118	117	118	127	123	117	118	121	126	120	117
05:33	173	173	173	173	189	173	173	173	173	173	173	168	178	168	168	163	173	178
07:03	118	118	118	124	113	120	116	118	118	124	118	117	116	118	118	117	117	117
08:03	111	117	118	117	113	117	114	118	117	116	117	118	116	117	117	117	117	117
09:04	115	117	119	119	114	118	114	120	122	116	119	119	117	118	118	117	119	119
10:04	119	120	120	120	116	118	119	120	116	119	120	119	117	118	118	118	119	120
11:04	120	120	120	120	116	120	117	121	116	119	120	120	118	120	120	119	120	120
12:04	120	120	122	120	117	121	119	121	116	119	122	122	120	120	120	120	120	120
13:04	117	120	120	119	114	118	114	120	116	117	119	119	117	118	118	118	119	120
14:04	111	114	114	111	113	116	111	118	110	111	113	113	113	112	113	112	113	114
15:04	106	108	108	106	108	107	106	114	106	106	106	105	106	106	106	105	106	106
16:04	102	103	107	101	105	104	101	130	103	101	101	100	100	100	100	99	101	102
17:04	99	122	133	103	113	120	110	130	109	106	103	95	95	95	97	97	103	99
18:04	97	118	133	105	117	130	113	132	106	102	110	96	97	92	97	94	98	102
19:04	99	137	132	106	127	129	120	133	101	103	106	98	94	92	94	97	99	97
20:04	100	121	129	109	129	136	117	129	101	123	112	100	95	94	97	98	101	99
21:04	103	106	130	103	120	123	117	129	123	103	101	100	99	103	110	105	106	110
22:04	103	115	148	105	106	116	123	166	105	105	105	103	103	103	104	104	103	103
23:04	111	138	157	110	133	137	127	174	110	111	111	110	109	109	109	109	110	110

TABLE 7. OCTOBER 16 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	28	28	28	28	28	24	24	28	28	28	24	28	24	28	24	28	28	24	26.2
02:03	28	28	28	24	28	24	24	24	24	24	24	28	28	28	28	28	28	28	26.5
03:03	28	28	28	24	28	24	28	28	28	24	28	28	28	28	28	24	28	28	26.6
03:33	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:33	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	24	24	28	28	28	28	28	24	28	28	28	24	28	28	28	28	24	24	26.5
12:04	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26.3
13:04	60	40	40	56	44	56	52	40	44	40	48	56	52	56	56	52	60	60	26.4
14:04	76	48	52	64	68	56	76	52	72	72	60	68	64	76	64	72	60	64	26.2
15:04	72	60	60	76	56	64	64	64	72	60	80	64	60	68	72	64	80	68	26.4
16:04	60	68	68	68	64	72	76	96	72	68	68	72	76	72	80	76	68	72	26.8
17:04	68	72	132	72	68	76	140	140	76	80	72	72	68	72	72	72	72	72	27.1
18:04	84	76	152	76	92	144	144	160	84	92	76	76	76	80	80	76	76	76	27.2
19:04	100	76	144	96	128	132	136	148	116	112	84	72	72	72	72	76	84	76	27.4
20:06	116	96	124	112	116	124	132	128	112	120	88	96	68	68	92	104	112	104	27.4
21:04	100	72	112	100	92	104	104	108	100	96	88	96	68	72	88	88	96	92	26.4
22:04	72	56	76	72	68	72	68	76	72	68	72	68	64	56	68	72	72	68	26.5
23:04	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	26.3

TABLE 7. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	118	150	160	130	160	162	141	172	118	123	136	120	116	115	113	114	118	117
01:04	136	153	166	155	148	148	135	166	145	150	162	145	145	133	135	146	153	143
02:03	143	155	180	160	170	177	164	183	141	151	160	143	143	146	150	151	151	146
03:03	151	164	179	174	178	182	178	184	162	172	170	145	146	121	130	130	155	148
03:33	141	153	178	179	182	177	177	160	168	178	177	172	170	140	138	164	172	141
05:33	218	219	222	218	216	219	221	220	216	221	220	216	214	219	216	216	220	218
06:03	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
07:03	155	150	170	164	180	180	178	141	157	175	160	145	148	164	169	158	166	160
08:03	178	136	143	136	141	177	185	137	168	150	138	160	151	145	183	168	171	186
09:04	143	138	138	141	148	143	155	140	143	140	141	138	136	126	136	138	140	141
10:04	151	129	140	145	133	138	151	140	148	145	141	143	143	141	143	143	141	145
11:04	139	129	131	135	132	140	147	120	140	139	132	129	135	138	140	135	134	137
12:04	137	120	129	132	130	121	135	114	137	136	131	129	127	124	132	130	134	135
13:04	135	107	111	129	118	132	123	113	120	113	126	131	129	129	132	130	132	132
14:04	124	102	105	114	125	105	107	106	124	123	105	117	120	125	122	122	111	116
15:04	107	97	99	116	99	99	101	102	110	99	117	103	97	109	103	99	117	109
16:04	95	93	95	93	95	95	98	109	94	94	93	95	95	97	109	106	93	102
17:04	89	89	112	89	94	92	114	119	90	92	89	88	88	88	89	88	89	89
18:04	88	85	117	87	94	112	122	121	90	92	87	84	84	85	85	84	86	86
19:04	95	86	119	93	111	117	121	122	105	106	90	85	85	86	87	86	89	88
20:06	113	93	120	113	117	119	122	121	116	117	103	92	90	88	94	97	110	107
21:04	114	99	122	116	120	120	121	123	116	117	105	98	93	94	107	107	114	112
22:04	117	98	123	117	118	120	123	123	117	117	114	107	101	97	114	114	117	117
23:04	118	106	121	117	120	122	123	123	118	118	118	114	103	105	117	116	118	118

TABLE 8. OCTOBER 17 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	***
01:04	24	24	28	24	24	28	28	28	24	24	28	24	24	24	28	24	28	24	26.2	
02:03	24	28	24	24	24	28	24	24	24	24	28	28	28	28	24	28	24	28	26.2	
03:03	28	28	28	24	24	24	24	28	24	24	28	24	28	24	28	28	28	28	26.6	
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	***	
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	***	
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	***	
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	***	
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	***	
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	***	
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	***	
11:04	28	28	24	28	24	28	24	28	28	28	24	24	24	28	28	24	24	28	26.6	
12:04	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26.2	
13:04	56	56	56	60	56	60	56	56	56	60	52	48	52	52	52	48	56	56	26.2	
14:04	72	88	88	80	88	80	76	88	72	80	80	76	76	84	64	76	76	64	26.2	
15:04	76	108	108	96	100	96	92	108	88	92	100	104	88	96	88	100	92	84	26.6	
16:04	96	128	124	112	120	108	92	128	108	92	116	120	120	116	100	112	108	92	26.7	
17:04	112	136	124	108	124	116	84	128	108	128	128	128	136	120	112	124	100	108	27.2	
18:04	124	128	104	104	108	112	108	112	116	100	104	120	104	92	96	100	100	88	27.3	
19:04	116	88	80	80	72	80	88	72	104	76	92	76	80	88	84	80	76	84	27.2	
20:04	96	68	64	72	64	68	72	68	76	68	76	68	68	72	76	68	68	72	27.3	
21:04	68	60	60	60	56	56	68	56	60	56	60	60	60	60	64	60	60	72	26.8	
22:04	48	48	44	48	44	48	48	44	52	48	48	48	48	48	48	48	48	48	26.4	
23:04	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	26.3	

TABLE 8. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	118	107	123	120	120	122	124	123	120	120	117	114	113	113	116	113	117	117
01:04	120	110	123	119	121	121	124	123	120	121	118	114	111	116	116	113	117	119
02:03	120	112	123	117	120	123	123	123	120	120	116	112	110	107	109	110	117	117
03:03	120	112	123	116	120	123	123	123	119	120	110	109	107	107	109	109	116	119
04:03	120	111	121	116	120	121	123	123	118	120	113	109	109	109	109	109	114	118
05:03	119	110	122	117	119	122	123	122	119	119	114	110	110	110	110	109	110	116
06:03	113	109	119	110	116	119	122	120	110	116	112	110	109	110	112	109	110	110
07:03	112	109	119	110	116	119	122	120	116	116	112	110	110	112	112	110	112	110
08:03	117	113	120	117	117	120	122	120	119	119	114	110	110	112	113	112	116	116
09:04	117	114	122	117	118	122	121	122	117	118	117	112	112	114	116	114	117	116
10:04	117	114	122	119	119	123	122	122	117	119	117	116	114	114	117	116	117	117
11:04	119	117	123	120	121	123	123	123	120	121	120	119	118	116	117	118	119	119
12:04	120	118	123	120	123	124	124	123	122	123	120	119	118	116	118	118	119	120
13:04	121	120	124	121	123	125	124	125	121	123	121	119	119	117	119	117	121	120
14:04	113	122	126	123	125	125	123	126	118	122	123	120	120	119	117	120	120	117
15:04	114	123	126	123	125	124	119	126	117	122	123	122	116	118	117	121	122	117
16:04	113	123	127	123	124	122	113	127	118	109	123	123	120	120	119	116	121	113
17:04	109	123	126	123	123	121	112	128	109	120	123	122	121	118	113	120	119	107
18:04	107	120	113	106	107	113	110	114	101	105	117	114	117	113	95	103	97	95
19:04	103	110	99	99	97	97	107	101	98	93	99	95	95	97	95	93	94	94
20:04	103	98	98	95	97	94	102	99	97	94	98	93	94	95	95	93	94	98
21:04	98	99	101	95	98	97	103	101	97	95	97	95	95	95	97	94	95	97
22:04	102	103	106	101	102	102	105	107	101	101	101	101	99	99	101	99	99	101
23:04	109	109	113	107	109	110	109	114	107	107	107	106	107	107	107	105	106	107

TABLE 9. OCTOBER 18 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	28	28	24	28	28	24	28	24	28	28	24	28	24	28	24	28	28	28	26.2
01:04	24	24	24	28	24	28	24	24	28	28	24	24	28	24	28	28	24	28	25.9
02:03	24	24	24	28	28	28	28	28	28	28	24	28	28	24	28	24	28	24	26.2
03:03	28	28	24	24	24	28	24	28	28	24	28	24	28	28	24	28	24	28	26.6
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	24	28	28	28	28	28	28	28	28	28	28	28	28	28	24	28	28	26.5
12:04	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26.1
13:04	40	40	40	60	52	52	56	40	48	56	56	52	48	40	44	52	56	48	26.2
14:04	56	76	52	76	80	76	80	48	56	72	76	72	64	52	48	60	72	68	26.3
15:04	64	92	84	76	92	92	92	64	60	60	88	60	60	60	64	60	68	60	26.4
16:04	72	104	84	80	72	96	116	84	68	68	92	68	68	68	68	68	68	68	26.9
17:04	104	72	108	80	88	108	124	92	96	80	76	76	76	76	84	72	80	88	27.0
18:04	88	92	84	84	76	120	128	84	104	84	80	80	80	92	104	80	80	92	27.4
19:04	76	76	72	76	68	88	108	72	80	72	76	76	76	76	76	80	76	76	27.4
20:04	68	68	64	68	64	68	72	64	72	68	72	68	68	72	68	68	68	68	27.4
21:04	56	60	56	60	56	60	60	56	64	60	64	60	60	60	64	60	60	64	26.7
22:04	48	48	48	48	48	44	48	44	48	48	48	48	48	48	48	48	48	48	26.4
23:04	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	26.2

TABLE 9. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	111	113	117	111	113	114	113	119	110	111	111	110	110	109	110	109	110	110
01:04	113	114	117	113	114	116	113	120	110	113	113	112	110	111	113	111	112	113
02:03	113	114	117	112	112	116	113	120	112	114	114	113	113	112	113	112	113	112
03:03	113	113	117	113	112	114	113	120	110	113	113	113	113	113	112	112	113	112
04:03	113	114	117	113	111	116	114	120	111	114	113	113	113	113	111	113	111	113
05:03	114	113	117	113	112	114	114	119	110	113	113	112	113	112	112	113	112	113
06:03	113	113	117	114	112	114	114	119	110	114	114	113	113	113	112	112	113	113
07:03	114	113	117	114	112	116	116	119	110	114	114	113	113	113	113	112	113	113
08:03	113	113	117	114	112	117	116	117	110	114	114	113	112	113	113	112	113	113
09:04	111	113	118	116	113	117	116	118	113	114	114	113	113	113	113	113	113	114
10:04	114	114	118	114	114	117	111	119	113	114	114	114	114	114	113	114	114	114
11:04	116	114	118	116	116	119	113	120	116	116	117	114	114	114	114	113	116	116
12:04	116	116	120	117	117	119	117	122	117	117	117	114	114	116	114	114	117	116
13:04	110	116	118	117	116	116	116	118	116	117	117	116	114	113	113	114	117	114
14:04	105	112	112	117	116	116	117	111	107	116	116	114	113	107	106	107	114	112
15:04	99	113	107	109	116	114	114	105	99	103	110	99	101	101	99	99	107	99
16:04	94	110	106	101	106	105	116	101	94	97	101	93	93	94	93	93	94	93
17:04	101	94	109	93	102	102	114	106	95	94	92	90	92	90	93	90	90	94
18:04	93	94	93	88	92	107	106	95	97	88	88	86	89	90	93	85	87	90
19:04	88	88	90	87	90	95	98	93	89	88	88	87	88	88	88	87	87	88
20:04	89	89	93	89	92	90	92	93	90	90	89	88	89	89	89	88	88	89
21:04	93	92	95	93	94	93	94	95	93	93	93	90	92	93	92	92	92	92
22:04	97	95	99	97	98	98	99	101	98	98	98	95	95	97	97	97	97	97
23:04	103	102	107	105	102	106	107	106	105	105	105	102	102	106	105	105	103	105

TABLE 10. OCTOBER 19 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	28	28	24	24	28	28	28	24	28	24	24	24	28	28	24	24	24	28	26.0
01:04	28	28	28	24	28	28	24	28	24	28	28	28	24	24	28	24	28	28	26.2
02:03	28	24	28	28	28	28	28	28	24	28	28	28	28	24	28	28	28	24	26.3
03:03	28	28	28	28	24	24	28	28	24	28	28	28	28	28	28	24	28	28	26.6
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	28	24	24	28	24	28	28	28	28	28	28	28	28	28	28	28	28	26.4
12:04	28	28	28	28	28	24	28	28	28	28	28	28	28	28	28	28	28	28	26.2
13:04	48	40	40	40	40	48	40	44	44	40	40	44	44	40	40	40	44	44	26.4
14:04	68	52	48	52	48	68	56	56	56	60	52	56	68	52	52	60	56	56	26.2
15:04	60	64	60	60	56	72	64	64	64	64	64	60	64	60	60	60	60	60	26.5
16:04	64	64	64	68	64	68	68	68	72	68	68	68	68	68	68	68	68	72	26.8
17:04	76	72	72	72	68	72	72	72	72	72	72	72	72	72	72	72	72	72	27.2
18:04	84	76	72	76	76	76	72	76	76	76	76	76	76	76	76	76	76	80	27.3
19:04	76	76	72	72	72	72	72	72	76	72	76	76	72	76	72	76	72	76	27.2
20:04	72	68	64	64	64	68	64	68	72	64	68	68	68	68	68	68	68	68	27.5
21:04	56	60	60	60	56	60	60	56	64	60	60	60	60	60	60	60	60	60	26.9
22:04	48	48	48	48	48	44	48	44	48	48	48	48	48	48	44	48	48	44	26.6
23:04	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	26.1

TABLE 10. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	109	106	112	107	106	110	109	111	107	107	107	106	106	110	109	107	106	109
01:04	110	107	111	109	109	112	109	113	110	110	109	107	109	112	112	109	107	110
02:03	109	107	113	112	110	113	110	113	109	109	110	107	109	112	112	110	109	110
03:03	109	110	112	110	110	113	109	113	109	107	109	109	109	113	112	109	109	109
04:03	110	110	111	110	107	113	109	114	107	110	110	109	109	111	111	109	109	110
05:03	110	110	112	110	106	114	109	114	109	112	110	109	107	110	112	109	109	110
06:03	110	110	112	109	106	114	109	114	107	112	110	109	107	109	110	109	109	110
07:03	112	110	113	112	107	112	110	114	107	110	110	109	109	110	112	107	109	109
08:03	110	110	114	112	106	113	110	113	106	110	110	109	109	109	110	107	110	109
09:04	107	109	113	111	112	113	110	114	110	112	112	110	109	110	110	109	111	110
10:04	111	112	114	113	111	113	113	116	110	113	113	111	110	110	109	110	110	110
11:04	113	112	116	111	112	114	113	116	110	112	111	111	112	113	114	110	111	111
12:04	112	113	116	114	114	114	113	116	112	113	113	111	111	111	113	112	113	112
13:04	111	111	114	112	113	113	111	114	110	113	113	112	112	111	113	111	112	110
14:04	106	105	109	106	106	112	103	110	105	110	107	109	109	103	105	106	107	103
15:04	99	98	101	97	99	98	97	102	97	101	98	101	101	95	98	98	97	97
16:04	90	90	93	90	93	90	90	94	92	92	90	92	92	89	89	90	92	89
17:04	85	87	88	86	90	85	89	89	87	85	85	84	86	85	85	84	86	84
18:04	82	83	87	82	86	82	87	85	83	82	82	82	82	82	80	81	82	82
19:04	82	84	87	83	87	82	88	86	84	82	84	83	82	83	82	82	83	82
20:04	84	86	88	86	88	84	88	89	86	84	86	84	84	85	84	84	84	84
21:04	89	88	89	88	90	88	92	92	89	89	89	88	88	89	88	88	88	88
22:04	94	93	95	93	93	93	94	95	94	93	93	93	92	93	92	92	93	93
23:04	101	98	103	101	98	101	103	105	99	99	99	98	98	99	99	98	99	99

TABLE 11. OCTOBER 20 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	28	28	28	28	24	28	24	28	24	28	28	24	28	28	24	28	28	28	26.2
01:04	24	28	28	28	28	24	28	28	28	28	24	28	28	28	24	24	28	28	26.3
02:03	24	28	24	28	24	28	24	28	28	24	28	28	28	24	28	28	28	28	26.2
03:03	28	28	24	24	28	28	24	28	28	24	28	28	28	28	28	24	28	24	26.6
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:07	28	24	28	24	24	24	24	24	28	28	24	24	28	28	28	28	28	28	26.4
12:04	28	28	28	28	28	28	32	28	28	28	28	28	28	28	28	28	28	24	26.2
13:04	64	48	40	40	40	40	36	40	56	44	40	40	40	44	44	40	40	60	26.2
14:04	48	64	64	56	52	56	60	52	56	56	56	56	56	60	56	56	56	56	26.4
15:04	64	64	64	68	76	68	68	64	64	64	64	64	64	72	64	64	64	64	26.6
16:04	68	68	68	72	68	68	72	76	72	76	72	68	68	104	72	68	72	72	27.2
17:04	76	80	72	72	72	72	72	88	76	72	72	72	72	72	72	76	72	76	27.1
18:04	80	76	140	76	76	88	96	76	84	76	80	80	80	76	80	76	84	80	27.3
19:04	80	80	88	72	72	96	80	116	76	72	76	72	72	72	76	72	76	76	27.5
20:04	72	72	84	68	80	68	72	72	72	72	68	68	68	68	68	68	80	72	27.2
21:04	72	68	76	68	68	76	64	60	80	64	64	64	60	60	60	60	60	64	26.9
22:04	48	52	52	48	60	56	52	48	52	48	52	48	48	48	48	48	48	48	26.6
23:04	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	26.4

TABLE 11. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	103	103	106	103	103	105	105	107	102	103	102	101	101	103	105	101	102	102
01:04	106	103	107	103	105	106	106	109	103	105	105	102	102	106	105	102	103	103
02:03	106	103	106	105	107	107	106	112	105	105	105	103	106	105	106	105	103	105
03:03	106	102	106	105	105	107	106	117	105	105	105	102	103	105	106	105	105	106
04:03	106	101	106	106	103	106	106	109	105	105	109	105	105	109	106	106	103	106
05:03	105	101	109	103	109	106	106	114	106	106	105	105	106	105	106	105	105	107
06:03	105	105	103	102	105	105	106	107	103	105	102	103	105	103	107	106	105	105
07:03	109	105	105	105	125	105	105	106	107	106	122	110	107	107	106	106	103	110
08:03	123	125	112	105	126	109	106	103	116	107	109	110	119	112	110	105	106	113
09:04	116	132	132	106	110	112	105	122	105	113	110	110	106	112	110	118	107	105
10:04	109	118	131	126	109	128	103	129	111	111	127	123	128	110	123	114	107	116
11:07	132	101	120	133	132	116	109	114	127	120	127	112	103	103	129	118	132	111
12:04	129	105	109	109	103	125	139	106	130	135	105	102	101	102	106	103	111	123
13:04	123	109	102	101	101	102	118	112	105	101	102	101	101	102	103	101	101	119
14:04	98	102	102	95	99	98	98	99	97	97	97	97	97	98	97	97	97	97
15:04	92	105	99	99	103	126	94	95	93	90	92	92	92	110	92	92	92	90
16:04	87	90	89	85	92	87	92	92	90	87	87	87	87	103	86	86	87	85
17:04	83	90	99	84	87	83	89	94	84	82	85	82	82	82	81	82	82	83
18:04	80	80	99	80	99	82	90	92	83	80	81	80	78	79	78	79	83	78
19:04	84	82	93	80	84	94	88	103	82	88	80	79	78	81	80	80	80	79
20:04	82	82	106	81	90	82	87	87	83	80	88	81	79	80	80	80	86	82
21:04	89	98	94	84	93	95	87	87	89	89	85	84	82	82	82	82	88	87
22:04	87	86	89	92	121	133	160	89	88	90	90	85	84	86	86	84	85	85
23:04	92	94	94	98	95	93	124	95	93	114	92	89	89	92	92	89	90	90

TABLE 12. OCTOBER 21 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	28	28	28	28	24	24	28	24	24	28	28	28	28	24	28	24	24	24	26.2
01:04	24	28	24	24	24	28	24	28	24	24	28	24	28	28	28	28	28	28	26.1
02:03	24	24	24	28	24	28	24	24	28	28	28	28	24	24	24	24	28	28	26.3
03:03	28	24	28	28	28	28	28	28	28	24	28	28	28	24	28	28	28	28	26.5
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	24	28	28	28	24	28	28	28	28	28	28	28	24	28	28	28	24	26.3
12:04	28	28	28	28	28	28	28	24	28	28	28	28	28	28	28	28	28	28	26.3
13:04	40	44	48	44	44	40	44	44	44	40	40	44	44	44	40	44	40	44	26.3
14:04	52	60	68	56	52	56	56	60	56	56	52	56	56	56	68	68	56	56	26.5
15:04	64	64	84	64	60	64	64	64	64	64	64	64	64	64	64	64	60	64	26.4
16:04	72	68	68	68	64	68	72	68	72	68	68	68	68	68	68	68	72	72	27.0
17:04	76	72	68	72	68	72	76	72	72	72	72	76	72	76	72	72	76	76	27.0
18:04	84	76	72	72	72	76	80	72	76	76	76	80	76	72	80	76	76	80	27.4
19:04	76	72	72	68	72	72	76	72	72	76	72	76	72	72	80	72	76	80	27.4
20:04	72	64	64	72	64	72	72	64	72	76	72	68	68	68	68	68	68	72	27.5
21:04	68	56	56	60	72	64	60	60	64	68	60	60	60	56	60	60	60	64	26.8
22:04	48	48	60	44	44	60	52	44	48	48	48	48	48	48	48	44	48	48	26.4
23:04	28	32	32	32	28	28	32	32	32	32	32	28	32	28	32	32	28	28	26.5

TABLE 12. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	93	97	98	94	94	99	97	98	94	94	94	92	92	94	94	92	93	92
01:04	95	93	99	95	94	95	97	101	94	94	97	93	93	97	95	94	94	94
02:03	95	97	101	95	95	97	97	101	94	93	94	94	94	95	95	95	94	97
03:03	99	95	99	95	95	97	99	101	94	98	95	94	95	97	95	95	93	95
04:03	95	98	99	98	97	95	97	98	98	94	98	98	97	95	95	97	98	95
05:03	97	101	99	98	97	97	98	99	94	94	99	99	98	95	98	98	99	97
06:03	99	101	102	98	98	98	97	102	99	95	98	99	97	97	97	101	99	99
07:03	99	102	101	95	98	98	99	102	95	94	97	98	97	94	98	97	99	98
08:03	97	98	101	95	98	97	98	101	95	95	95	97	97	95	97	97	97	97
09:04	95	95	98	97	98	98	99	101	98	97	97	97	97	95	95	95	95	97
10:04	95	95	99	97	99	99	99	101	97	98	97	98	97	97	99	98	97	97
11:04	98	97	102	98	99	99	101	102	98	98	98	97	98	98	98	97	98	99
12:04	101	98	102	101	101	101	102	105	99	98	99	97	98	99	99	97	99	99
13:04	97	98	102	97	101	99	101	106	98	98	98	98	98	99	98	97	97	97
14:04	92	97	102	95	98	94	95	102	94	93	94	94	95	94	95	95	94	93
15:04	87	90	99	88	92	92	93	95	89	89	89	89	89	88	88	88	88	88
16:04	82	87	90	83	88	85	88	88	84	82	84	84	84	83	83	83	83	83
17:04	80	82	83	80	83	82	83	83	80	78	80	81	79	79	80	80	80	82
18:04	78	80	82	77	81	78	80	79	78	76	78	78	77	76	76	77	78	79
19:04	77	78	80	78	80	79	81	79	77	77	78	78	78	77	78	78	77	80
20:04	80	80	84	80	84	81	83	83	84	83	82	79	78	78	78	80	79	80
21:04	83	81	86	83	90	85	87	87	84	86	82	82	80	80	82	82	82	82
22:04	86	84	95	86	87	88	92	89	86	84	86	84	84	85	85	84	84	86
23:04	90	90	94	90	90	90	94	95	90	90	92	90	90	93	90	89	90	90

TABLE 13. OCTOBER 22 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	28	28	24	24	28	24	28	28	28	28	28	28	24	28	28	28	28	24	26.0
02:03	28	28	24	24	24	24	28	24	28	28	28	28	24	28	28	28	28	24	26.3
03:03	24	28	28	24	28	28	24	24	28	24	28	24	28	24	28	28	28	28	26.7
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	28	24	28	24	24	28	28	28	28	24	28	28	28	24	28	24	24	26.0
12:04	28	28	28	28	24	28	24	28	28	28	28	24	28	28	28	28	28	28	26.1
13:04	56	48	60	48	48	40	48	40	56	52	44	48	52	52	60	52	52	52	26.2
14:04	72	76	72	76	80	64	64	76	80	68	84	88	88	88	84	80	76	76	26.3
15:04	100	112	100	100	92	88	96	100	96	92	104	108	104	92	112	112	104	104	26.6
16:04	104	112	100	100	116	104	96	96	128	116	104	96	96	124	104	104	88	100	26.7
17:04	120	100	124	108	104	108	112	100	108	100	104	116	132	120	124	120	124	120	27.5
18:04	124	120	116	128	120	112	124	100	132	128	132	124	128	128	140	116	132	112	27.1
19:04	124	136	108	124	120	120	120	112	124	124	128	132	124	124	128	140	132	132	27.2
20:04	120	96	116	120	112	116	116	112	112	104	116	112	116	128	112	116	112	120	27.3
21:04	104	112	96	104	100	96	96	96	108	104	104	108	108	108	108	112	104	104	26.7
22:04	76	76	64	76	76	68	72	64	72	76	84	72	76	84	84	80	68	80	26.4
23:04	36	32	32	32	32	32	32	32	32	32	32	32	32	36	32	32	36	36	26.2

TABLE 13. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	95	93	95	94	94	93	94	95	94	94	95	94	94	97	95	95	93	94
01:04	98	95	97	95	97	97	94	99	97	95	95	97	99	105	98	97	95	98
02:03	98	110	98	97	97	97	97	101	97	97	98	116	116	113	106	107	98	98
03:03	109	117	97	105	101	97	95	99	99	102	102	106	122	117	109	113	101	102
04:03	107	113	97	107	102	103	97	98	102	99	107	114	124	136	114	117	113	109
05:03	119	137	101	128	112	101	98	105	120	123	135	135	156	154	135	139	126	126
06:03	123	119	117	134	140	125	103	103	134	139	132	123	120	112	126	125	123	122
07:03	109	149	145	112	106	116	123	144	123	116	113	117	123	147	112	123	110	105
08:03	128	126	125	150	129	128	105	157	125	123	149	149	137	140	156	156	147	154
09:04	109	142	135	138	144	175	112	153	118	110	131	145	106	140	113	113	145	114
10:04	109	165	148	156	112	116	117	145	126	147	150	111	114	123	117	117	105	113
11:04	113	141	140	130	155	113	116	139	121	130	117	117	126	163	140	129	120	145
12:04	150	152	138	157	110	147	112	130	129	113	162	150	139	126	129	140	150	136
13:04	140	160	178	126	145	107	120	139	126	132	116	147	162	168	168	153	132	147
14:04	151	175	141	158	126	122	116	162	166	139	169	179	183	186	176	171	164	157
15:04	184	192	170	187	176	165	172	178	178	177	189	186	179	161	191	189	188	188
16:04	174	164	178	175	188	180	164	161	183	182	172	165	163	176	176	172	149	178
17:04	183	162	189	177	166	174	176	165	177	177	183	185	192	185	189	188	185	186
18:04	183	186	177	186	189	187	189	164	190	187	191	187	185	190	183	180	191	180
19:04	190	194	187	190	192	190	185	184	193	190	193	185	186	184	190	187	192	193
20:04	185	174	192	181	189	192	192	190	189	184	177	181	188	193	189	181	180	181
21:04	190	191	185	187	192	179	192	190	192	194	187	188	185	183	191	189	192	192
22:04	185	192	194	192	189	190	195	185	189	194	189	192	194	192	185	190	189	192
23:04	181	191	191	191	195	187	194	193	189	195	195	177	172	170	162	171	184	181

TABLE 14. OCTOBER 23 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	24	28	28	28	28	24	28	24	28	28	28	28	28	28	28	28	28	28	26.0
02:03	28	28	28	24	24	24	28	24	28	24	28	28	24	28	28	28	28	28	26.4
03:03	28	28	28	28	28	28	24	28	28	28	28	24	28	28	28	28	24	28	26.6
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	24	28	28	28	28	28	24	28	24	24	28	28	28	24	28	24	28	24	26.3
12:04	28	28	28	24	28	28	28	28	28	28	28	28	28	24	28	28	28	28	26.2
13:04	60	48	52	56	56	48	56	44	60	56	60	52	56	52	48	48	56	60	26.4
14:04	96	84	76	88	80	84	92	72	96	92	88	88	96	96	96	96	92	96	26.4
15:04	116	108	84	108	92	84	112	108	108	116	116	108	120	120	120	108	104	108	26.6
16:04	152	120	124	124	80	88	132	132	132	116	124	140	136	136	128	144	132	144	26.5
17:04	168	132	132	136	136	128	148	148	144	128	140	148	136	140	148	156	160	160	27.0
18:04	152	104	156	144	132	140	156	156	160	152	156	148	156	152	168	168	160	152	27.3
19:04	132	84	136	140	140	144	144	136	140	140	140	148	144	140	144	144	156	116	27.2
20:04	116	108	120	112	128	124	128	128	116	116	112	124	140	104	128	120	120	124	27.2
21:04	96	104	100	104	108	108	112	104	80	108	104	96	104	112	104	108	96	92	26.8
22:04	72	72	68	72	72	68	68	68	68	72	72	72	72	68	64	72	72	64	26.3
23:04	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	26.2

TABLE 14. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	146	190	196	162	192	191	195	197	157	169	155	153	159	161	156	154	150	146
01:04	142	183	191	167	177	178	184	191	156	168	167	152	151	141	143	141	156	142
02:03	144	177	179	147	178	180	177	190	147	154	150	139	135	131	134	137	140	145
03:03	132	156	181	140	167	183	163	180	142	140	139	134	125	126	134	128	131	129
04:03	133	129	184	123	140	146	151	187	135	129	123	120	117	120	126	120	130	130
05:03	122	122	184	119	123	137	137	190	123	120	116	113	113	116	123	113	116	123
06:03	116	119	176	116	123	128	125	183	114	119	114	112	113	113	120	116	113	119
07:03	112	117	173	119	122	132	126	181	120	122	117	112	110	107	116	110	117	117
08:03	112	114	132	122	122	126	131	163	120	123	117	109	109	106	110	110	114	110
09:04	110	105	123	117	116	120	127	167	110	110	113	110	110	107	107	109	110	107
10:04	109	106	123	113	113	117	127	152	109	110	111	112	111	109	109	110	110	109
11:04	105	113	144	112	117	120	126	124	110	109	112	111	111	107	107	109	113	108
12:04	108	120	132	113	120	120	121	112	109	111	114	113	113	107	106	107	112	110
13:04	111	119	123	116	123	117	125	106	114	114	116	114	114	108	106	114	118	113
14:04	123	121	118	107	123	123	126	119	114	110	114	114	116	116	111	120	117	123
15:04	123	123	120	110	114	120	126	125	113	112	113	112	116	117	120	111	112	123
16:04	120	120	128	110	108	104	128	121	116	106	117	117	117	116	113	114	114	122
17:04	120	123	128	117	123	110	129	110	119	109	119	116	117	112	112	116	117	114
18:04	118	96	126	117	121	114	128	124	121	111	123	120	114	110	116	119	121	116
19:04	114	94	128	118	123	124	124	129	113	117	121	112	112	113	117	113	120	112
20:04	113	112	128	112	126	128	128	128	105	113	110	113	113	110	113	110	110	116
21:04	109	121	129	113	124	128	120	129	108	113	112	109	111	113	111	111	106	110
22:04	113	126	128	116	126	128	116	123	113	116	116	114	114	114	111	113	113	110
23:04	116	129	128	121	126	119	117	114	117	118	121	119	119	113	116	117	116	114

TABLE 15. OCTOBER 24 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	24	28	28	28	24	24	24	28	24	24	28	24	28	24	28	24	24	28	26.4
01:04	28	24	28	28	28	28	28	24	28	28	24	24	24	28	24	28	24	28	26.2
02:03	24	24	28	28	24	28	28	24	28	28	28	28	28	28	28	28	24	28	26.2
03:03	28	28	28	24	28	28	28	28	28	24	28	28	28	24	28	28	28	28	26.5
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	28	24	28	24	28	28	28	28	24	24	28	28	28	24	28	28	28	26.4
12:04	24	28	28	28	28	28	24	28	28	28	28	28	28	28	28	28	28	28	26.1
13:04	56	52	56	40	44	44	48	52	56	48	40	40	40	44	56	44	44	60	26.3
14:04	88	88	96	84	84	92	84	92	80	68	92	80	88	72	80	60	64	88	26.1
15:04	108	112	112	104	112	112	96	116	96	80	108	108	112	100	92	108	108	96	26.4
16:04	112	128	140	116	120	112	88	140	104	116	108	124	128	112	116	116	108	116	26.6
17:04	128	128	128	128	100	104	100	140	124	128	128	124	136	136	124	132	124	120	27.0
18:04	136	116	100	128	116	88	120	128	136	132	128	140	140	136	136	136	136	140	27.2
19:04	112	104	108	128	120	108	104	112	128	128	128	120	120	124	128	128	120	124	27.3
20:04	100	96	96	116	100	100	108	100	116	120	120	112	104	116	108	112	116	108	27.4
21:04	92	104	64	112	100	88	76	92	104	108	100	100	92	104	100	100	108	96	22.6
22:04	72	68	60	68	72	64	60	64	72	72	72	76	80	72	72	72	68	64	26.3
23:04	32	32	32	32	32	32	32	32	28	32	32	32	32	32	28	32	32	32	26.2

TABLE 15. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	114	131	129	126	120	116	117	129	125	125	126	125	123	120	113	120	125	117
01:04	117	128	131	126	128	120	120	129	124	124	126	126	125	122	112	114	124	116
02:03	102	116	129	121	124	120	120	131	121	126	120	113	121	121	106	106	118	102
03:03	103	107	126	108	110	118	113	129	103	110	106	118	123	124	104	110	107	108
04:03	113	114	126	123	103	110	110	128	120	116	125	119	123	123	112	109	117	112
05:03	118	107	126	121	118	123	116	128	117	123	123	123	124	126	121	123	118	121
06:03	117	116	124	118	118	121	120	129	116	118	118	123	120	123	117	117	113	110
07:03	123	126	128	123	118	121	123	126	104	118	124	123	124	128	117	110	121	121
08:03	152	128	128	123	124	123	123	129	156	128	124	131	124	134	139	149	151	162
09:04	123	128	126	125	126	116	114	131	134	126	123	128	124	129	139	140	137	140
10:04	134	129	114	129	128	117	119	129	128	132	128	135	135	142	158	137	135	152
11:04	140	129	128	135	128	117	123	131	129	121	128	140	144	145	144	139	135	140
12:04	154	131	128	128	128	117	124	131	137	114	129	134	139	135	137	128	131	134
13:04	171	131	129	129	129	123	126	131	154	123	129	126	123	128	151	131	131	163
14:04	177	128	131	129	129	117	123	131	142	128	131	131	129	128	147	129	129	167
15:04	171	131	134	128	131	129	124	131	139	120	129	129	128	114	126	131	128	126
16:04	135	129	142	113	131	131	137	132	125	114	116	139	139	129	131	129	117	122
17:04	137	134	132	121	123	134	161	140	118	128	132	131	140	134	120	122	121	121
18:04	134	140	134	132	137	120	169	139	128	131	134	116	122	135	132	135	120	132
19:04	156	139	139	132	152	147	169	135	129	139	134	137	145	166	149	134	134	158
20:04	131	147	128	145	145	165	181	154	145	156	137	140	158	149	150	142	139	137
21:04	144	145	131	150	129	149	142	151	137	175	159	120	129	139	149	126	137	147
22:04	144	145	163	134	152	139	154	132	147	140	140	142	142	156	156	160	154	145
23:04	158	177	123	158	132	129	175	139	167	152	150	164	154	166	158	169	159	163

TABLE 16. OCTOBER 25 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	28	24	24	24	28	24	28	28	28	24	28	28	28	24	28	28	28	28	26.0
01:04	28	24	28	28	28	24	28	24	24	24	28	28	28	28	28	28	28	28	26.2
02:03	24	28	24	24	24	28	24	28	28	28	24	28	28	28	28	24	28	28	26.3
03:03	28	28	28	24	28	28	24	28	28	24	28	28	24	28	24	28	28	28	26.4
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	28	24	28	28	28	24	28	24	24	28	28	24	28	24	28	28	24	26.2
12:04	28	28	24	24	28	28	28	28	24	24	24	28	24	28	28	24	28	24	26.2
13:04	68	44	52	68	52	52	44	48	52	48	60	60	52	48	56	44	48	60	26.2
14:04	88	100	76	84	80	64	92	76	84	88	92	88	88	104	92	104	96	84	26.5
15:04	124	120	104	112	100	104	100	96	108	100	108	100	104	104	96	88	92	108	26.4
16:04	124	136	96	124	108	84	152	108	108	124	112	104	96	92	124	104	116	124	26.9
17:04	124	120	76	144	124	124	124	100	132	104	120	120	112	140	144	128	132	124	27.1
18:04	152	132	108	116	116	120	140	88	140	136	128	136	136	140	144	136	132	160	27.1
19:04	140	116	116	128	120	116	128	92	140	128	124	132	136	144	140	136	132	144	27.3
20:04	124	108	104	120	116	112	112	96	128	112	120	120	120	124	120	132	124	120	27.2
21:04	96	96	84	96	100	100	108	88	108	100	100	100	100	104	96	100	108	96	22.4
22:04	80	72	64	68	72	68	56	64	72	60	56	56	56	76	64	68	60	68	26.4
23:04	32	32	28	28	32	32	28	32	32	32	32	32	32	32	32	32	32	28	26.2

TABLE 16. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	176	144	124	178	145	163	177	132	176	176	171	171	171	171	177	176	179	178
01:04	167	154	145	178	158	176	176	132	176	177	180	175	171	174	178	178	180	176
02:03	169	156	174	178	171	156	167	156	160	164	181	174	169	176	171	174	171	167
03:03	169	160	176	166	169	156	152	156	174	162	169	174	177	171	171	174	174	169
04:03	167	173	142	163	152	154	156	163	165	161	165	169	169	171	165	167	156	169
05:03	156	176	169	174	149	152	151	158	160	162	167	171	169	176	166	177	174	164
06:03	156	152	131	164	158	151	144	158	147	162	169	162	164	169	178	167	156	166
07:03	160	147	117	160	164	149	135	121	166	158	164	166	167	176	174	169	166	162
08:03	169	144	121	156	152	152	118	120	158	152	156	162	167	179	169	171	154	169
09:04	178	134	140	162	147	145	134	117	162	167	156	161	163	162	162	151	152	171
10:04	178	131	149	182	147	149	177	114	176	171	177	176	176	182	187	174	177	173
11:04	178	132	169	165	161	151	184	145	186	173	183	183	187	187	191	188	189	179
12:04	179	131	173	183	140	156	182	161	181	184	181	193	189	182	192	184	184	184
13:04	187	177	171	181	182	175	173	169	167	163	188	187	178	175	189	173	178	189
14:04	179	183	163	184	158	162	174	145	178	171	169	185	191	188	183	186	182	177
15:04	191	176	183	176	159	156	175	144	182	165	175	171	167	154	166	159	176	182
16:04	191	177	131	176	163	134	165	171	184	184	162	151	144	149	183	169	179	187
17:04	179	166	106	191	167	179	179	152	171	177	179	178	176	183	187	187	188	182
18:04	189	174	167	183	186	183	193	125	190	181	186	189	187	189	189	187	186	191
19:04	190	180	180	184	178	189	187	162	190	187	190	191	189	187	186	187	183	187
20:04	182	184	181	187	191	191	189	175	186	184	187	182	184	187	186	191	187	182
21:04	147	185	189	184	186	189	191	183	169	178	177	177	181	182	160	180	175	149
22:04	163	183	186	149	184	186	163	185	147	150	167	158	174	149	160	152	150	156
23:04	137	171	176	154	158	154	156	189	152	159	150	149	142	145	144	147	156	144

TABLE 17. OCTOBER 26 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	28	24	28	28	28	28	28	28	24	28	24	28	24	28	28	28	24	24	26.2
01:04	28	28	28	28	28	28	24	28	24	28	24	24	28	28	24	28	24	28	26.2
02:03	28	28	28	24	28	28	28	28	24	24	24	24	28	28	28	28	24	28	26.2
03:03	24	28	28	24	24	28	28	24	24	28	28	24	28	28	28	28	28	24	26.6
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	24	28	28	28	28	28	28	28	24	28	24	28	24	28	28	28	28	28	26.3
12:04	28	28	28	28	28	24	28	28	24	28	28	28	28	28	28	28	28	28	26.2
13:04	52	52	60	60	52	44	72	56	68	60	64	64	60	56	52	52	56	60	26.2
14:04	100	88	80	84	84	76	104	76	92	92	96	96	96	100	80	96	100	100	26.2
15:04	112	116	112	116	116	120	124	100	120	136	124	116	124	128	112	116	116	116	26.4
16:04	160	140	124	144	124	152	128	132	144	140	140	152	148	144	136	148	160	144	26.6
17:04	148	152	140	156	164	144	144	132	164	140	152	160	156	160	160	164	160	156	27.0
18:04	164	152	144	156	164	160	164	128	164	164	160	160	160	156	148	164	164	156	27.4
19:04	152	132	132	164	140	152	152	100	152	148	148	156	144	156	164	160	148	164	27.4
20:04	140	116	116	116	132	132	128	72	132	140	132	136	144	124	144	132	124	144	23.4
21:04	104	104	100	100	104	108	96	92	92	100	104	80	104	100	104	104	100	108	26.8
22:04	80	68	68	68	72	68	64	68	68	68	72	72	72	76	68	72	68	72	26.3
23:04	28	32	32	32	32	32	28	32	32	32	32	32	32	32	32	32	32	32	26.2

TABLE 17. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	142	149	178	152	150	147	152	171	144	142	144	145	147	144	145	144	145	144
01:04	144	144	162	142	151	142	144	160	139	142	142	140	142	142	165	149	137	151
02:03	158	147	162	160	154	134	135	164	142	174	142	177	152	147	147	145	149	149
03:03	179	147	149	135	145	145	131	162	176	134	158	149	144	164	178	174	154	176
04:03	126	140	142	165	147	158	132	144	142	167	171	180	171	165	152	169	163	161
05:03	124	144	137	151	145	154	132	129	126	129	156	171	169	128	144	137	135	124
06:03	131	137	126	123	134	152	124	137	137	126	137	135	137	140	131	139	128	142
07:03	131	147	124	128	149	152	120	129	132	135	123	156	135	128	128	142	142	128
08:03	126	142	147	145	135	132	121	129	124	134	131	135	135	124	117	124	124	120
09:04	129	139	140	132	134	123	126	150	124	124	144	126	129	128	162	124	125	142
10:04	117	145	129	129	135	126	123	154	122	125	129	128	124	147	118	135	144	119
11:04	122	147	128	129	139	135	156	129	120	159	128	131	151	123	123	126	122	125
12:04	114	144	129	156	139	134	145	131	117	137	150	132	126	123	114	123	122	112
13:04	114	132	131	126	128	135	175	132	126	120	124	124	123	116	109	113	113	111
14:04	121	134	131	118	128	139	164	134	129	124	124	113	119	114	111	113	114	117
15:04	120	151	131	123	152	156	131	126	123	139	122	122	117	116	120	121	125	120
16:04	129	131	122	158	142	137	134	123	123	135	134	134	129	120	116	125	137	125
17:04	114	126	124	128	129	124	142	120	126	131	147	137	139	120	128	122	123	117
18:04	117	119	132	118	129	126	142	121	124	126	123	124	125	125	113	122	124	114
19:04	131	113	135	142	118	126	126	114	139	145	123	123	126	117	121	120	129	129
20:04	122	112	116	137	116	120	122	103	125	123	119	129	116	139	120	147	142	128
21:04	122	113	119	117	120	120	116	116	122	118	122	132	151	124	128	117	123	123
22:04	118	114	121	126	121	125	121	120	123	126	120	128	123	125	120	126	128	116
23:04	128	117	120	124	124	128	124	120	128	128	123	128	126	129	125	131	128	124

TABLE 18. OCTOBER 27 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	28	24	28	28	28	28	28	28	28	28	24	24	24	28	28	28	28	28	26.0
02:03	28	24	28	28	24	28	24	28	24	28	28	24	28	24	28	28	24	24	26.2
03:03	24	24	24	24	28	24	28	28	28	28	24	24	28	24	28	28	24	28	26.5
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	28	28	24	28	24	28	24	28	28	24	24	28	24	28	28	24	28	26.4
12:04	40	40	40	40	40	40	40	36	40	40	40	40	40	40	40	40	40	40	26.2
13:04	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	26.2
14:04	48	48	48	48	44	48	52	48	52	48	48	48	48	52	52	48	48	52	26.6
15:04	64	60	60	56	56	56	64	56	64	60	60	56	60	60	60	56	60	60	26.5
16:04	68	68	64	68	60	68	68	68	72	64	68	64	64	68	68	64	68	68	26.7
17:04	72	72	72	68	68	68	72	68	72	68	72	72	68	68	72	68	68	72	27.0
18:04	72	72	72	72	72	72	72	76	76	72	72	72	72	72	72	72	76	76	27.1
19:34	72	68	68	64	64	68	68	68	68	68	68	68	68	68	68	68	68	72	27.2
20:04	68	64	64	64	64	64	68	64	68	60	68	64	64	64	64	64	64	68	23.1
21:04	60	60	52	52	52	56	56	56	56	56	56	56	56	60	56	56	60	60	26.8
22:04	44	44	40	40	40	40	44	40	40	44	52	44	48	44	44	48	44	44	26.4
23:04	28	32	28	28	28	28	28	28	28	28	28	28	28	32	32	32	28	28	26.1

TABLE 18. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	129	113	114	131	128	126	122	119	129	129	126	128	126	129	123	131	131	129
01:04	126	112	118	126	124	123	121	117	128	120	126	124	125	120	131	128	129	131
02:03	126	110	116	123	116	123	120	111	121	117	124	126	124	128	128	126	123	120
03:03	121	108	113	120	114	114	121	111	120	118	116	121	118	128	118	126	123	120
04:03	120	110	110	113	110	113	119	109	120	112	114	113	113	113	123	116	114	122
05:03	113	108	108	111	108	113	116	110	113	113	110	111	107	114	114	113	113	110
06:03	113	102	110	110	110	110	118	110	113	111	107	107	108	107	111	108	111	111
07:03	113	102	108	110	108	110	120	107	113	111	107	108	107	108	111	108	111	113
08:03	111	103	108	108	108	108	116	108	111	110	107	107	107	108	107	107	107	111
09:04	110	108	105	109	110	110	113	106	110	110	109	108	104	107	106	108	109	110
10:04	111	108	103	106	106	106	117	111	110	110	103	106	106	105	110	106	108	110
11:04	109	110	112	105	109	106	112	113	106	105	106	107	107	106	109	106	106	106
12:04	106	110	111	108	108	110	104	113	106	107	108	107	109	109	108	108	106	107
13:04	106	110	111	108	108	110	106	112	106	107	108	108	109	109	108	108	106	107
14:04	101	103	106	103	103	103	102	106	102	102	103	102	103	102	100	102	102	101
15:04	96	97	98	96	98	97	97	99	96	97	97	96	97	97	96	97	96	96
16:04	92	94	94	92	94	93	92	92	92	92	91	92	92	93	93	92	92	92
17:04	88	86	88	88	90	88	91	88	90	87	87	88	87	88	88	87	88	88
18:04	87	81	86	86	83	83	88	87	87	85	85	84	83	85	85	83	86	86
19:34	86	85	87	85	86	86	88	87	86	85	85	84	84	85	85	83	86	86
20:04	86	97	87	85	87	86	88	88	87	86	85	85	84	86	87	86	86	86
21:04	91	106	92	89	94	88	91	93	91	93	89	91	91	92	90	90	91	91
22:04	94	90	94	100	98	96	94	94	95	99	107	96	96	100	96	99	96	94
23:04	99	98	103	106	98	101	100	103	100	99	99	98	97	100	102	98	106	99

TABLE 19. OCTOBER 28 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	28	28	28	24	28	24	28	28	24	28	28	24	28	28	28	28	28	28	28	26.1
02:03	24	28	28	24	28	24	28	28	28	28	28	28	24	28	24	28	28	28	28	26.2
03:03	28	24	28	28	28	28	28	24	24	28	28	28	28	24	28	24	28	28	28	26.6
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	28	24	28	28	28	24	28	24	28	28	28	28	28	28	28	24	28	26.1	
12:04	28	24	28	28	28	24	28	28	28	28	28	28	24	28	24	24	28	28	26.2	
13:04	36	40	36	40	40	40	40	40	40	40	36	40	40	40	40	40	40	40	26.1	
14:04	56	48	60	64	60	44	68	60	56	60	64	48	56	68	64	56	64	60	26.4	
15:04	76	80	64	64	60	64	64	96	60	68	56	64	60	68	68	60	60	64	26.4	
16:04	72	88	100	72	72	80	88	96	76	68	92	96	72	68	96	96	84	88	26.6	
17:04	84	80	100	108	108	84	80	108	72	76	92	96	80	80	80	84	96	76	26.9	
18:04	76	72	84	72	72	100	92	88	72	76	72	76	72	72	72	76	72	76	27.2	
19:04	76	72	72	72	80	72	76	72	72	72	72	72	72	72	68	72	72	76	27.3	
20:04	76	84	88	80	68	64	72	92	72	68	80	68	72	72	68	80	72	68	23.2	
21:04	56	76	60	60	64	56	76	64	64	72	72	60	60	88	68	76	76	60	26.6	
22:04	56	56	44	40	44	56	48	52	56	60	48	56	60	60	56	60	52	56	26.4	
23:04	28	32	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26.2	

TABLE 19. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	100	100	106	100	100	103	103	106	100	100	100	100	100	102	102	99	100	100
01:04	103	101	106	102	103	104	103	106	102	102	102	100	100	103	103	102	101	102
02:03	103	102	107	103	103	104	104	110	102	103	102	102	102	103	104	103	102	103
03:03	103	100	111	100	102	104	104	110	102	104	100	102	103	103	103	104	102	103
04:03	102	112	105	101	103	101	105	109	102	102	101	103	103	102	102	103	103	105
05:03	102	120	104	106	103	103	102	108	102	102	104	103	106	102	103	103	104	104
06:03	103	118	104	103	113	104	103	108	106	104	104	103	104	102	103	110	111	106
07:03	103	103	111	103	106	103	102	108	103	102	108	108	104	102	104	106	108	104
08:03	103	100	104	100	104	104	108	107	103	102	102	102	106	102	102	102	104	106
09:04	103	103	105	101	102	100	105	109	102	101	102	102	103	102	100	103	105	103
10:04	102	102	103	100	103	103	103	108	102	102	102	104	104	102	102	103	104	104
11:04	103	108	109	105	103	106	104	113	103	106	103	103	104	104	104	104	103	103
12:04	104	124	113	107	135	108	104	114	106	113	110	103	105	106	108	106	108	107
13:04	105	135	117	123	114	117	110	116	119	128	125	111	118	117	110	114	110	106
14:04	121	107	132	129	117	106	128	135	117	128	128	108	119	144	145	124	131	126
15:04	119	131	119	110	114	137	120	179	114	126	102	109	98	107	106	102	105	119
16:04	106	145	175	109	105	149	125	177	120	128	117	150	110	129	160	158	134	147
17:04	126	92	171	182	161	134	144	162	97	125	117	142	110	117	140	137	166	132
18:04	116	91	88	81	88	154	164	96	103	113	81	82	81	83	81	80	81	85
19:04	83	110	91	100	121	88	90	88	88	100	103	113	90	103	85	106	101	87
20:04	91	126	114	123	125	114	108	179	92	120	103	124	122	131	131	117	152	102
21:04	98	176	105	117	109	104	125	94	128	149	137	112	131	152	156	171	156	126
22:04	122	151	132	106	147	176	126	152	140	108	144	161	177	180	135	167	139	150
23:04	158	159	128	150	176	139	147	149	171	150	137	161	177	177	169	163	159	169

TABLE 20. OCTOBER 29 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	24	24	28	28	24	28	28	28	28	28	24	24	28	28	28	28	24	28	26.3
02:03	28	28	24	24	28	24	28	28	24	24	24	24	28	24	28	28	24	28	26.2
03:03	28	28	28	24	28	24	28	28	28	28	28	24	28	28	28	28	28	24	26.5
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	24	28	28	28	28	28	24	28	28	28	28	28	28	28	28	24	24	28	26.3
12:04	28	24	28	28	28	24	28	28	24	28	28	24	28	28	28	28	24	28	26.2
13:04	48	44	44	48	44	48	44	44	44	48	44	44	44	44	44	44	44	44	26.2
14:04	64	76	80	84	76	88	88	76	84	84	80	80	80	76	68	80	88	60	26.5
15:04	100	100	96	108	104	104	112	72	108	112	104	108	104	104	112	112	108	112	26.5
16:04	124	96	68	128	88	100	128	68	132	128	124	120	120	124	128	116	124	128	26.6
17:04	140	72	68	88	68	72	128	68	140	120	84	128	124	128	136	128	132	132	26.6
18:04	132	72	68	80	68	72	104	72	112	84	84	84	84	124	132	100	88	136	26.9
19:04	92	72	68	72	68	68	68	72	80	68	72	72	72	72	76	72	72	80	27.0
20:04	68	64	60	64	60	64	64	64	68	64	68	64	64	64	64	64	64	68	23.0
21:04	56	56	52	52	52	56	56	56	56	56	56	56	56	56	56	56	60	60	26.8
22:04	44	40	40	40	40	40	40	44	44	40	44	44	44	44	44	44	44	44	26.6
23:04	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26.2

TABLE 20. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	162	177	158	160	152	163	145	132	152	147	142	149	144	156	152	163	166	167
01:04	150	144	150	129	149	152	147	150	161	158	137	145	147	144	167	124	134	173
02:03	174	156	166	132	135	123	131	144	144	158	104	120	114	162	162	176	176	169
03:03	156	145	162	103	156	129	126	134	152	110	104	147	126	156	166	164	131	160
04:03	173	102	126	126	142	173	110	108	159	105	167	123	116	134	161	140	147	165
05:03	171	102	106	128	117	106	140	110	151	144	129	139	142	144	166	144	152	162
06:03	134	114	116	107	106	102	126	108	107	104	104	102	104	100	121	126	111	110
07:03	131	131	108	103	131	108	102	114	107	103	104	103	104	113	149	124	106	114
08:03	124	108	110	114	123	114	126	113	103	104	123	151	152	103	103	104	103	108
09:04	135	113	113	139	111	111	124	116	129	120	129	137	140	144	147	129	134	156
10:04	140	116	116	110	114	113	113	117	134	123	112	108	107	114	147	111	119	147
11:04	110	117	119	114	117	117	106	118	112	114	114	114	114	113	110	113	113	110
12:04	113	119	119	116	117	118	117	120	114	114	117	116	116	116	114	114	116	114
13:04	116	117	120	117	118	117	118	120	112	117	117	117	116	116	114	116	117	114
14:04	108	118	118	118	118	119	118	122	118	118	117	118	119	117	116	117	117	114
15:04	119	119	119	119	119	120	120	111	119	119	117	117	117	117	118	119	119	119
16:04	118	113	99	118	109	116	120	98	117	119	118	117	117	116	117	117	117	117
17:04	118	91	92	100	95	94	118	93	118	111	95	117	112	117	119	117	116	118
18:04	117	87	91	93	90	88	102	92	106	91	91	94	94	110	116	99	96	117
19:04	97	88	93	89	89	88	94	91	92	89	89	89	87	90	94	89	89	96
20:04	92	92	95	91	96	92	94	95	91	91	91	90	91	91	92	91	91	91
21:04	96	95	98	96	96	96	96	100	94	95	95	94	94	95	94	94	96	96
22:04	99	101	102	100	100	101	101	104	99	100	100	99	100	100	100	100	99	99
23:04	106	108	109	106	105	108	108	111	105	106	108	106	106	106	104	105	108	105

TABLE 21. OCTOBER 30 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	24	28	28	28	28	28	28	28	28	28	28	24	28	24	28	24	24	24	26.0
02:03	28	24	24	24	24	28	28	28	28	24	28	28	28	24	24	28	28	24	26.2
03:03	28	28	28	28	24	28	24	28	28	28	28	24	28	28	28	28	28	24	26.6
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	24	28	28	28	28	28	24	24	24	24	28	28	28	28	24	28	28	28	26.0
12:04	28	24	28	28	28	28	28	28	28	24	24	28	28	28	24	28	28	28	26.2
13:04	40	36	40	40	36	36	40	36	40	40	40	36	36	36	36	40	40	36	26.2
14:04	48	48	48	48	44	48	48	44	48	48	48	48	52	56	48	48	48	48	26.2
15:04	64	60	80	60	60	80	60	68	64	60	60	60	60	56	68	56	56	68	26.4
16:04	72	64	108	68	64	96	72	96	68	68	68	68	68	68	68	68	68	68	26.5
17:04	68	72	72	72	68	72	80	120	76	76	72	72	72	72	72	72	76	76	26.7
18:04	84	76	76	72	72	100	88	108	80	76	76	76	76	72	76	72	76	80	27.0
19:04	76	72	76	72	72	108	116	92	76	72	72	76	80	72	72	76	72	76	27.2
20:04	68	76	72	68	64	96	104	68	72	68	76	68	68	72	68	68	72	68	27.0
21:04	52	64	56	56	72	64	84	60	60	68	72	56	60	60	68	64	64	64	26.6
22:04	44	40	44	40	40	44	44	44	44	40	40	44	40	40	44	44	44	44	26.2
23:04	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26.0

TABLE 21. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	110	110	113	110	108	111	110	114	108	110	110	109	108	108	108	108	109	109
01:04	110	112	116	112	110	111	112	132	109	112	112	110	110	112	112	109	110	110
02:03	111	111	132	113	113	114	111	132	108	111	113	111	111	113	111	110	111	111
03:03	111	111	124	113	116	114	114	126	110	113	113	111	111	113	111	111	111	111
04:03	112	113	116	112	113	113	112	114	112	113	113	112	113	113	112	112	112	112
05:03	111	121	117	114	113	114	113	116	111	111	113	111	113	113	113	113	113	113
06:03	121	114	117	131	114	114	113	123	128	124	131	134	128	113	113	120	124	118
07:03	113	114	114	113	117	114	113	118	116	116	114	114	116	114	113	114	118	113
08:03	113	116	118	124	114	117	113	129	113	111	123	142	118	113	113	124	123	114
09:04	113	113	124	113	114	117	117	117	114	118	114	113	113	114	114	113	113	114
10:04	114	128	128	113	117	117	116	119	114	114	114	114	114	114	114	114	114	116
11:04	114	115	120	117	118	118	114	118	114	117	115	114	114	115	115	114	115	114
12:04	115	117	121	117	118	118	117	120	112	117	117	115	115	115	117	115	115	117
13:04	114	118	120	117	120	117	114	120	112	123	115	115	115	115	115	115	114	115
14:04	108	111	118	110	111	109	108	115	107	111	111	111	111	127	111	111	110	110
15:04	102	104	130	104	105	118	104	120	102	104	104	103	103	105	110	104	102	108
16:04	96	98	129	97	99	108	104	117	97	97	97	96	96	101	94	96	97	95
17:04	92	92	105	92	95	95	105	127	93	94	92	92	91	90	90	91	92	90
18:04	89	89	96	89	90	96	104	129	90	92	88	87	87	89	87	85	88	88
19:04	90	93	96	90	91	101	115	107	92	90	96	104	98	92	96	96	92	89
20:04	90	127	97	101	97	105	117	98	96	96	105	100	96	103	100	94	92	92
21:04	101	105	99	104	148	107	114	108	105	115	129	96	96	97	111	98	132	126
22:04	104	135	123	101	100	108	107	114	100	100	104	100	103	103	105	98	101	102
23:04	109	152	108	149	145	108	108	110	108	121	154	120	129	108	124	114	126	126

TABLE 22. OCTOBER 31 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	28	28	24	24	28	28	28	28	28	28	28	28	24	24	28	28	28	28	26.0
01:04	28	28	24	24	28	28	28	24	24	28	28	24	28	28	24	28	24	28	26.0
02:03	28	28	28	24	28	28	24	28	28	28	28	24	28	28	28	24	24	28	26.1
03:03	28	28	28	24	28	28	24	28	28	24	24	28	24	24	28	28	28	24	26.2
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	24	28	24	24	24	24	28	28	24	28	24	28	24	28	28	24	28	26.1
12:04	24	28	28	28	28	28	28	28	28	28	28	28	24	28	24	24	28	24	26.2
13:04	44	36	40	48	40	40	52	44	44	48	40	44	40	40	44	40	44	44	26.2
14:04	72	76	76	64	64	72	72	68	68	64	72	60	68	68	80	68	56	76	26.4
15:04	72	92	96	80	84	84	100	116	76	72	72	64	76	80	88	76	76	80	26.4
16:04	92	116	116	96	116	100	88	120	84	88	100	100	116	108	88	100	108	88	26.6
16:34	92	104	100	108	120	100	120	120	88	104	104	108	108	100	104	112	112	100	26.6
18:04	96	144	156	92	116	100	108	160	92	96	96	108	104	92	88	92	84	100	26.8
19:04	100	144	136	116	132	136	100	144	88	100	144	128	104	92	80	92	92	92	27.0
20:04	88	136	120	116	124	116	100	124	104	116	120	120	128	112	100	128	124	112	26.9
21:04	96	104	100	96	104	104	76	116	96	104	100	100	104	100	100	108	100	88	26.4
22:04	64	80	60	72	64	68	64	60	68	72	60	64	68	76	68	64	68	68	26.6
22:34	44	40	44	44	40	40	40	40	44	44	40	44	44	40	44	44	44	44	26.1

TABLE 22. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	121	126	142	112	118	152	109	124	123	127	109	121	108	109	111	118	118	120
01:04	110	176	135	117	147	118	115	146	112	120	129	126	126	114	121	126	127	110
02:03	121	154	175	147	165	169	127	154	140	149	163	140	143	140	121	129	130	120
03:03	132	176	188	152	158	182	142	192	137	147	138	142	154	165	143	142	138	133
04:03	159	184	174	174	177	155	136	191	168	178	170	155	145	141	141	155	166	152
05:03	167	177	150	182	165	167	165	182	175	180	159	132	133	123	145	127	173	177
06:03	149	161	173	159	171	182	147	182	167	159	140	118	129	118	143	132	152	158
07:03	137	156	179	149	167	171	181	180	133	147	137	121	135	127	126	121	124	130
08:03	112	175	180	147	167	179	173	177	115	163	154	120	114	114	117	121	124	114
09:04	111	176	165	172	181	179	185	145	115	145	181	177	171	115	117	166	171	126
10:04	108	187	147	127	165	157	156	180	118	142	126	133	136	115	120	127	120	117
11:04	135	150	186	140	191	173	161	179	127	143	182	152	154	159	137	142	138	145
12:04	189	142	174	192	176	184	176	182	189	188	188	200	198	145	156	181	191	180
13:04	201	150	167	181	149	161	184	179	191	179	161	169	161	165	190	172	175	195
14:04	182	170	176	150	157	142	172	137	150	135	166	150	154	154	180	159	132	180
15:04	145	163	140	138	159	155	173	146	145	132	149	137	146	148	165	145	138	159
16:04	153	132	146	163	172	181	174	168	146	159	165	178	185	184	167	161	174	161
16:34	165	124	152	183	180	168	181	166	169	182	171	177	174	181	177	184	176	180
18:04	138	154	150	135	137	172	158	174	108	129	108	145	136	129	115	126	123	142
19:04	136	184	150	152	173	184	127	159	136	150	161	141	156	150	112	124	129	110
20:04	175	170	176	152	176	152	177	177	176	157	188	149	146	141	178	138	132	177
21:04	165	169	157	153	158	171	169	155	170	173	148	170	167	161	171	167	168	172
22:04	160	140	149	128	165	161	142	149	180	154	123	147	161	161	169	152	149	176
22:34	154	140	143	129	147	145	152	150	149	145	127	130	129	140	132	145	142	147

TABLE 23. NOVEMBER 1 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
01:04	24	24	24	28	28	28	24	28	24	28	24	28	24	24	28	24	28	24	26.1
02:03	24	24	28	24	24	28	28	28	28	24	28	28	24	24	28	24	24	24	26.1
03:03	28	24	28	24	24	24	24	24	24	24	28	28	28	24	28	28	28	24	26.4
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	28	28	28	28	28	24	28	28	24	28	28	24	28	24	28	28	24	24	26.2
12:04	28	28	24	28	28	24	28	24	28	28	28	28	24	28	24	24	28	28	26.0
13:04	44	40	40	44	44	40	44	40	44	40	40	40	40	40	40	44	44	44	26.2
14:04	72	64	52	88	64	72	76	52	76	88	80	72	72	88	76	76	76	68	26.2
15:04	92	64	64	96	64	76	92	60	84	96	100	104	100	100	96	100	92	84	26.3
16:04	108	72	72	116	72	72	76	76	108	88	120	124	120	132	116	120	116	112	26.5
17:04	124	84	72	76	72	72	84	76	108	112	76	112	116	136	132	124	124	120	26.7
18:04	120	108	92	96	76	80	84	96	104	76	112	120	124	128	136	120	108	120	26.9
19:04	84	116	124	88	120	92	76	108	124	120	100	108	124	124	88	104	104	100	27.0
20:04	88	116	92	100	104	104	92	100	88	100	100	108	112	100	108	108	96	92	27.1
21:04	84	96	96	84	96	92	84	96	88	92	92	92	84	96	100	88	92	76	26.5
22:04	64	52	60	60	60	72	56	60	60	64	52	64	60	60	68	64	64	64	26.2
23:04	28	28	28	28	28	28	28	24	28	28	28	28	28	28	32	28	28	28	26.1

TABLE 23. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	152	163	156	147	154	165	138	152	137	142	152	143	145	143	140	142	138	138
01:04	159	171	182	181	173	173	171	159	171	176	180	178	180	176	156	181	179	155
02:03	187	182	183	180	176	180	183	180	185	167	179	179	180	175	167	177	179	183
03:03	159	177	182	171	181	179	183	183	169	171	169	169	177	147	163	167	173	159
04:03	165	168	181	172	181	176	179	172	170	179	157	166	161	141	145	165	176	145
05:03	167	152	173	177	171	176	167	173	175	183	177	169	171	171	171	175	176	175
06:03	175	156	158	176	165	176	175	175	171	163	181	177	179	179	150	180	177	183
07:03	171	156	169	154	163	163	175	171	171	169	152	143	145	167	175	173	165	171
08:03	152	149	154	154	142	149	177	163	167	167	145	165	161	158	154	171	176	156
09:04	167	145	152	145	138	152	177	156	163	153	147	137	135	133	166	141	140	147
10:04	138	145	163	133	138	148	171	157	137	130	133	133	132	140	140	143	133	142
11:04	137	146	150	140	143	145	145	161	138	140	138	135	135	133	135	135	137	140
12:04	135	146	138	142	138	146	146	124	138	140	143	143	141	135	135	140	140	135
13:04	138	145	149	138	146	140	133	129	138	136	138	124	130	124	127	133	133	133
14:04	132	142	129	148	135	150	142	124	135	150	138	138	132	133	133	140	141	129
15:04	132	138	127	149	121	135	143	140	143	142	149	152	153	152	146	152	149	143
16:04	141	121	133	146	126	114	118	152	146	130	152	153	156	152	147	152	153	145
17:04	161	135	124	110	108	108	104	121	145	117	110	150	149	150	158	148	143	157
18:04	145	182	179	129	118	110	104	182	121	102	135	143	146	145	145	141	135	143
19:04	135	189	187	132	173	150	142	181	146	143	143	135	138	138	127	132	136	133
20:04	126	192	177	170	181	181	150	183	132	168	172	165	171	141	135	146	156	132
21:04	147	180	187	161	185	182	177	195	154	154	173	148	152	145	147	147	150	150
22:04	150	168	183	143	155	168	178	187	150	147	140	145	143	146	146	146	149	149
23:04	141	174	177	163	161	170	159	185	146	157	176	154	158	136	140	138	150	142

TABLE 24. NOVEMBER 2 VISSR COUNTS

(a) Visible Channel

Hour (GMT)	Station																		Space
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
00:04	64	160	128	64	160	128	96	32	160	64	128	64	64	64	160	128	96	96	****
01:04	28	28	24	28	24	28	28	28	28	28	28	28	28	28	24	28	28	28	26.3
02:03	24	24	28	28	24	28	28	28	24	24	28	28	28	28	24	28	28	28	26.3
03:03	28	28	24	28	28	24	28	28	28	24	24	28	28	24	24	28	28	28	26.3
04:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
05:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
06:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
07:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
08:03	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
09:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
10:04	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**.*
11:04	24	28	24	28	28	24	28	28	28	28	28	28	24	28	24	24	28	28	26.5
12:04	28	24	28	28	28	24	28	28	28	28	28	28	28	24	28	28	24	24	26.2
13:04	32	36	36	36	36	36	40	36	36	36	36	36	32	36	32	32	36	36	26.0
14:04	48	48	48	48	44	44	52	48	48	48	48	48	48	48	48	48	48	48	26.3
15:04	56	60	60	60	56	60	60	60	64	60	60	60	60	60	60	56	60	64	26.4
16:04	72	68	68	68	64	68	64	68	68	68	68	68	64	64	64	68	68	72	26.6
17:04	76	68	72	72	68	72	72	72	72	72	72	72	72	72	72	72	72	72	26.7
18:04	76	72	76	72	72	76	72	76	76	72	76	76	76	76	76	72	76	80	26.8
19:04	76	72	100	72	68	72	68	108	72	72	76	72	72	72	72	72	72	76	26.9
20:04	68	72	84	68	100	84	72	104	72	72	76	68	68	68	68	68	68	72	27.1
21:04	64	60	76	84	56	72	72	80	68	80	68	72	64	76	80	68	68	64	26.7
22:04	52	60	48	40	40	44	40	44	44	52	36	40	44	44	40	44	44	44	26.3
23:04	28	28	28	28	28	28	24	28	28	28	28	28	28	28	28	28	28	28	26.2

TABLE 24. CONCLUDED

(b) Infrared Channel

Hour (GMT)	Station																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
00:04	138	186	175	169	170	174	172	167	142	170	168	149	148	133	136	143	145	137
01:04	126	174	180	163	181	179	161	143	138	152	167	143	143	133	123	136	140	124
02:03	121	176	176	156	171	180	176	140	130	161	167	156	150	124	126	140	145	124
03:03	130	165	167	165	171	176	161	142	161	163	175	161	159	165	140	165	159	154
04:03	155	135	146	152	165	161	153	129	161	155	153	159	165	136	133	170	166	148
05:03	135	129	132	137	127	129	150	127	135	127	138	132	132	135	126	142	137	133
06:03	132	129	127	140	127	124	124	127	123	143	135	123	124	135	135	129	124	132
07:03	121	132	130	124	130	124	123	126	120	123	124	123	123	123	123	120	123	123
08:03	123	130	126	123	138	130	123	126	124	123	124	123	126	132	127	126	123	126
09:04	126	124	126	127	123	124	123	127	123	127	127	126	129	129	127	126	124	127
10:04	130	124	127	126	127	126	123	127	126	126	126	126	126	136	132	130	129	133
11:04	127	126	127	127	120	126	123	129	124	126	127	136	141	133	130	132	127	129
12:04	133	126	129	126	123	127	123	130	126	126	127	126	124	145	140	145	126	147
13:04	133	127	127	126	123	127	123	129	124	126	127	127	126	127	133	124	126	135
14:04	117	121	123	120	117	120	115	123	118	120	120	120	118	120	120	120	120	120
15:04	111	114	117	114	114	114	111	118	112	112	114	114	112	112	112	112	112	112
16:04	105	108	109	107	108	107	107	111	105	105	107	105	105	104	105	104	107	105
17:04	100	102	107	101	104	102	102	117	100	101	100	100	100	100	100	100	101	100
18:04	96	100	111	99	104	101	103	114	97	97	99	97	97	97	96	97	99	97
19:04	97	120	183	102	107	101	101	188	98	105	102	101	97	97	97	99	100	98
20:04	108	142	146	123	185	171	133	177	110	115	138	107	104	105	105	107	105	112
21:04	135	141	161	145	111	135	163	159	132	153	140	120	114	133	140	132	145	140
22:04	114	163	127	115	124	130	166	156	126	141	117	117	117	123	114	118	123	114
23:04	124	129	130	163	135	156	118	150	133	163	159	129	121	120	124	118	129	121

- FIRE/SRB SW AND LW SURFACE STATIONS
- FIRE/SRB SW SURFACE STATIONS
- (NUMBERS = STATION NUMBERS)

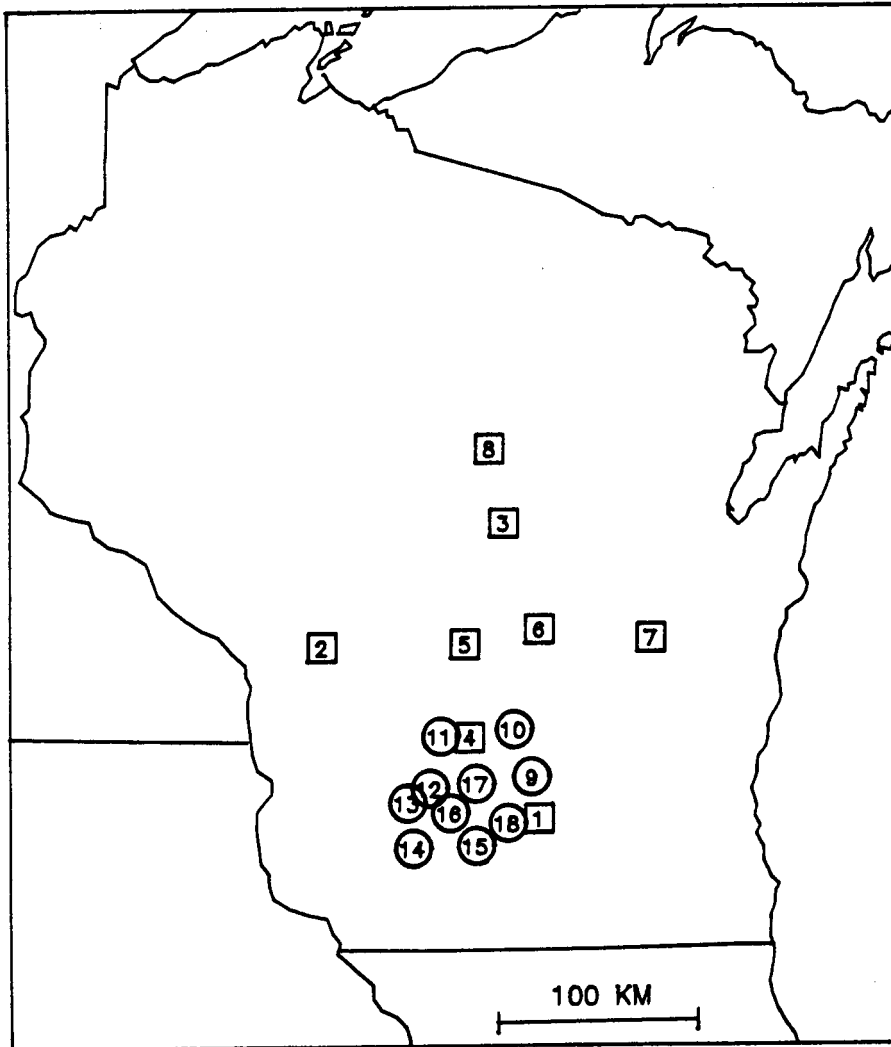
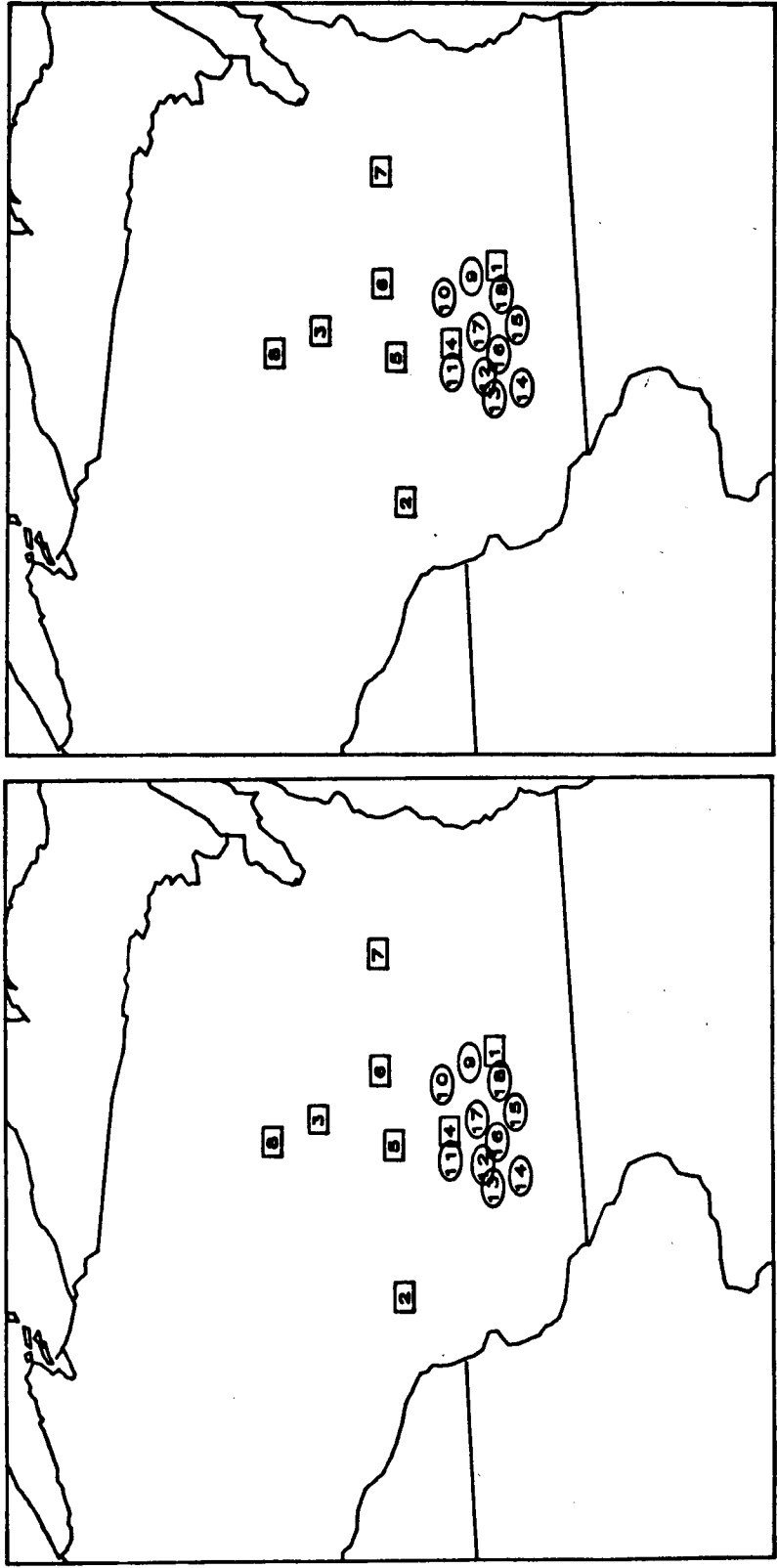


Figure 1. Location of FIRE/SRB SW and LW surface stations.

- FIRE/SRB SW AND LW SURFACE STATIONS
 - FIRE/SRB SW SURFACE STATIONS
- (NUMBERS = STATION NUMBERS)



(a) Visible channel

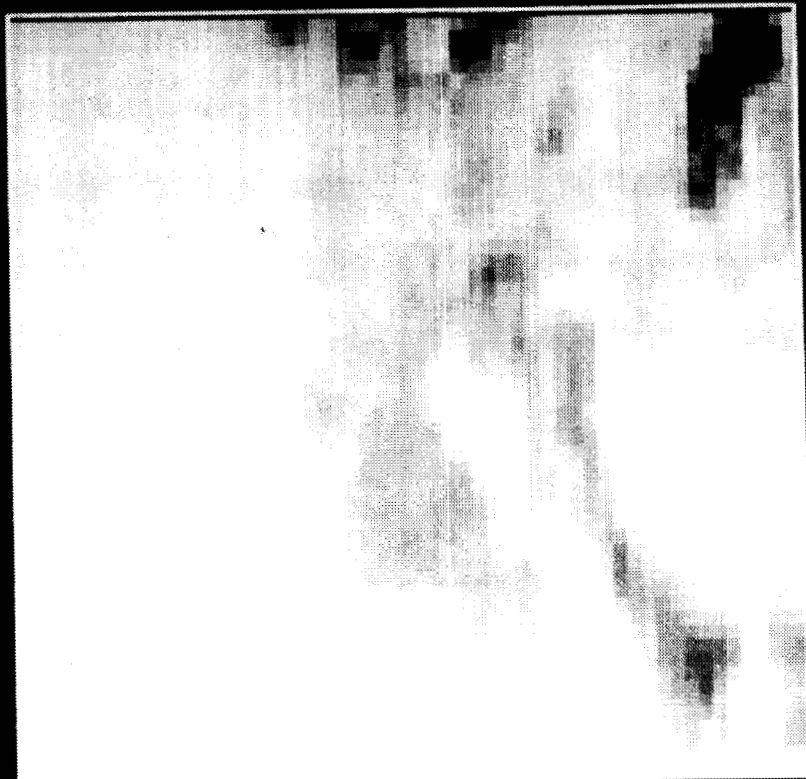
(b) Infrared channel

Figure 2. Oblique projections showing FIRE/SRB SW and LW surface stations on same grid as GOES images.

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Figure 3. Visible and infrared images for Oct. 11.

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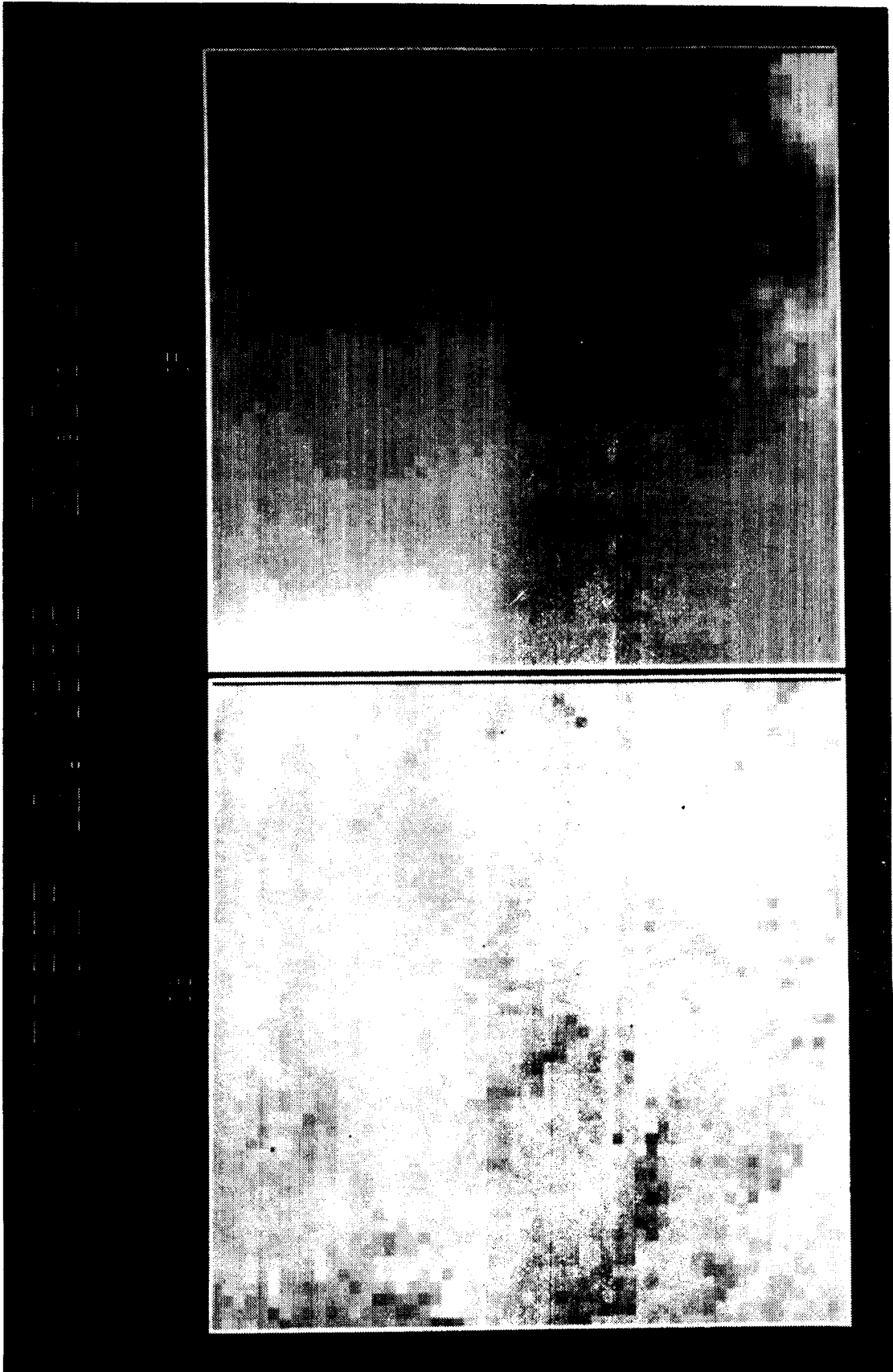


Figure 4. Visible and infrared images for Oct. 12.

OCTOBER 13, 1986 20:04 GMT

18

18

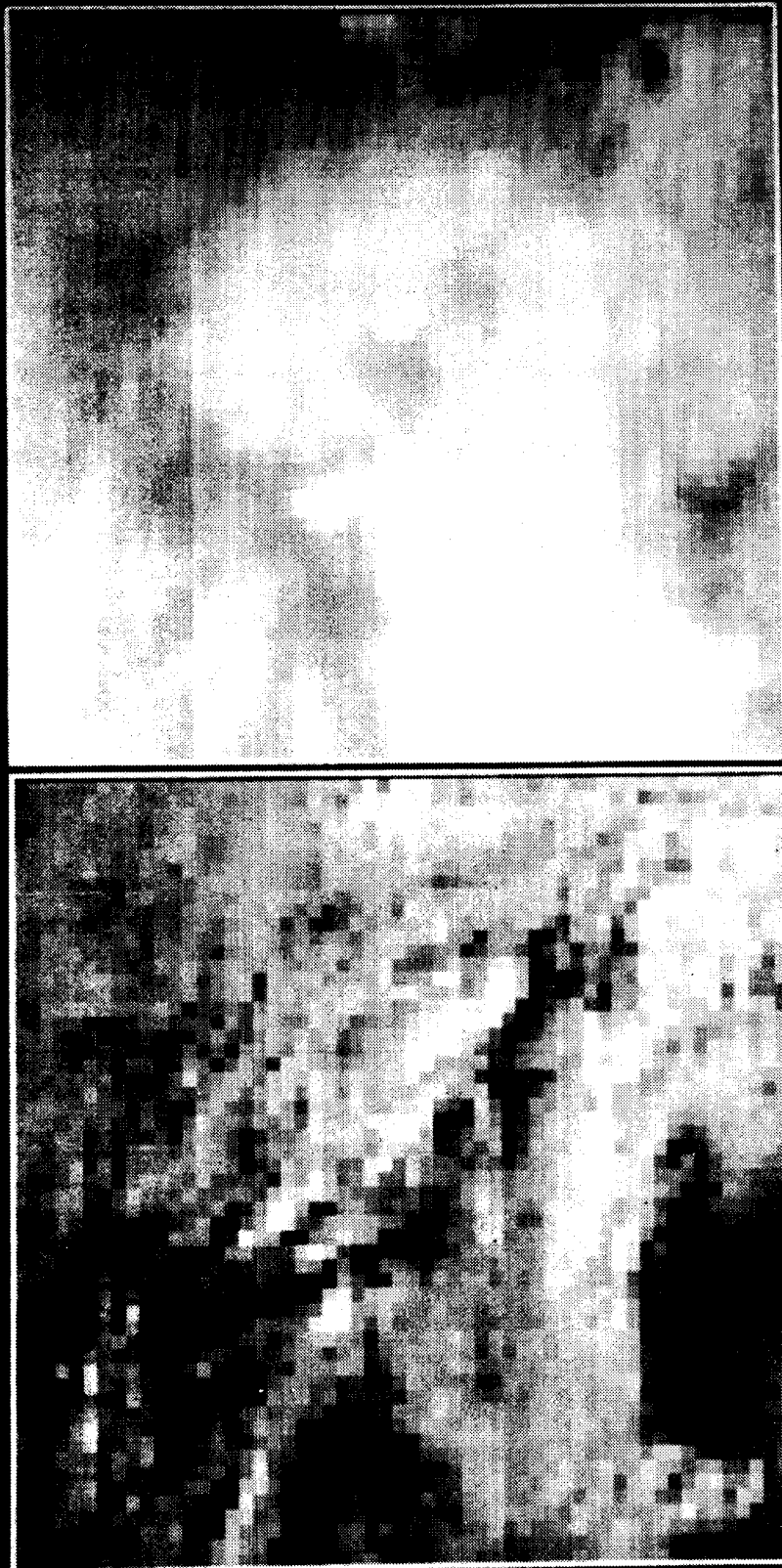


Figure 5. Visible and infrared images for Oct. 13.

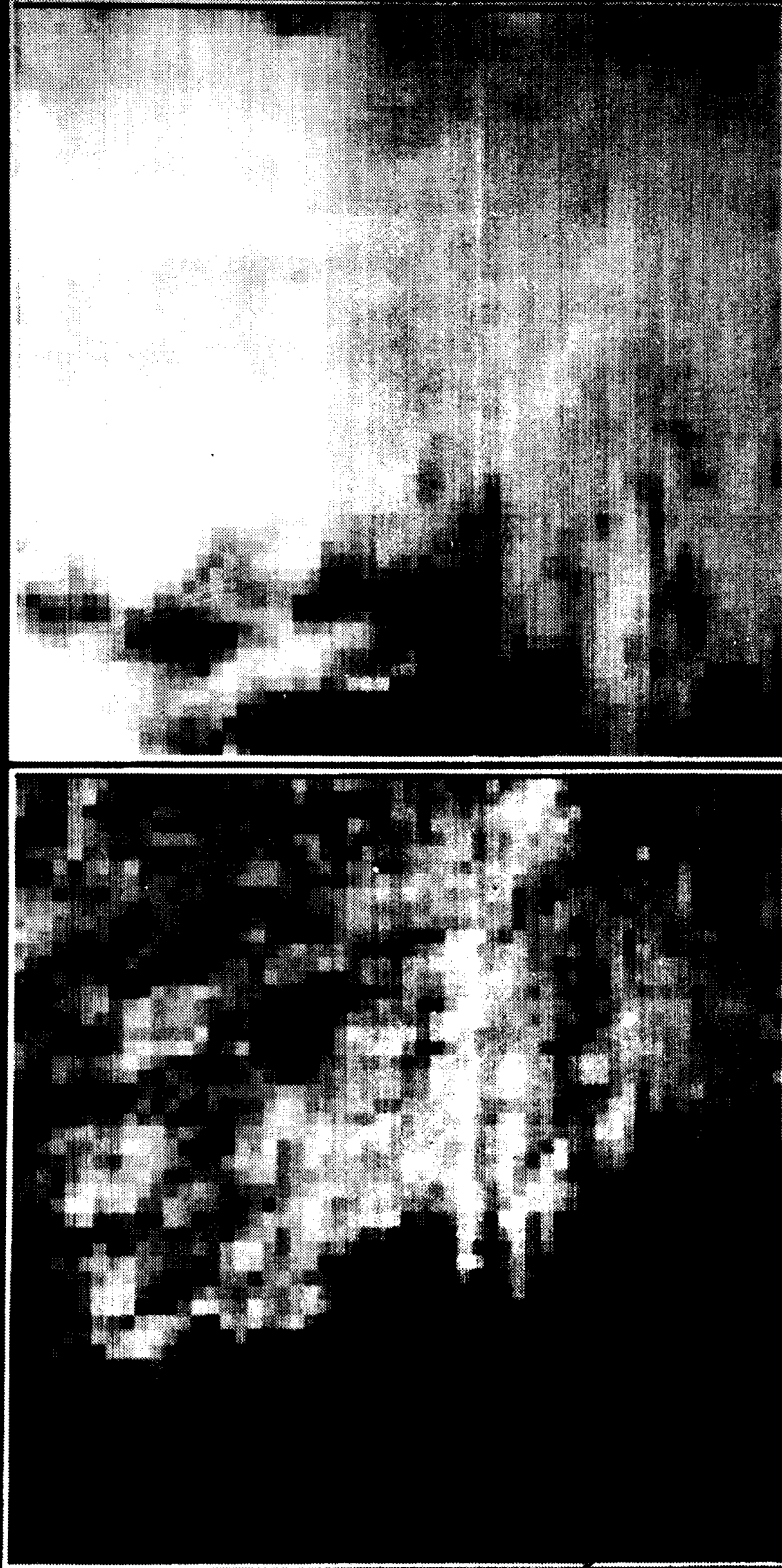


Figure 6. Visible and infrared images for Oct. 14.

OCTOBER 15, 1991 20:04 EST

15



16

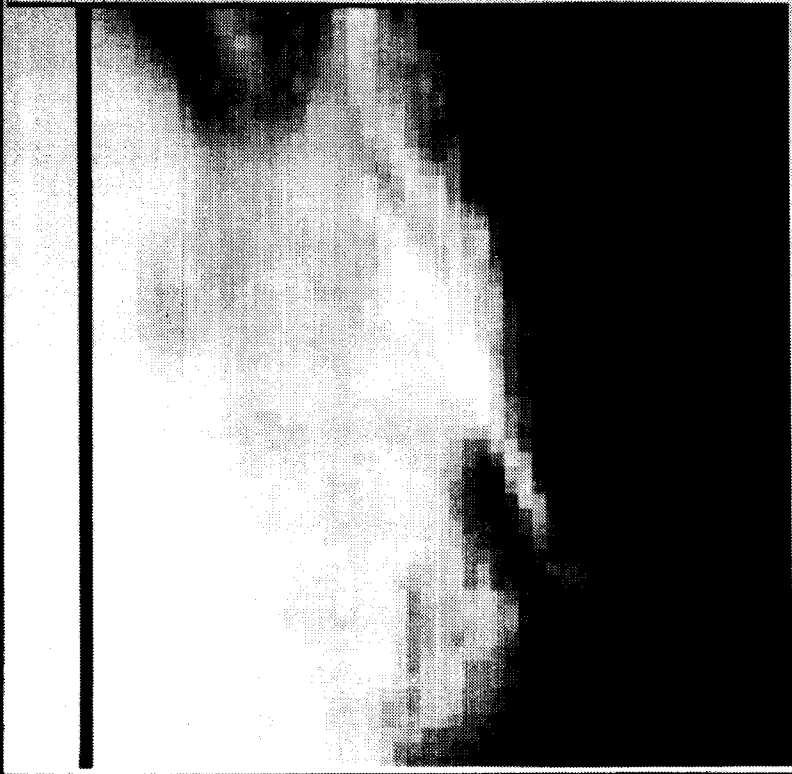


Figure 7. Visible and infrared images for Oct. 15.

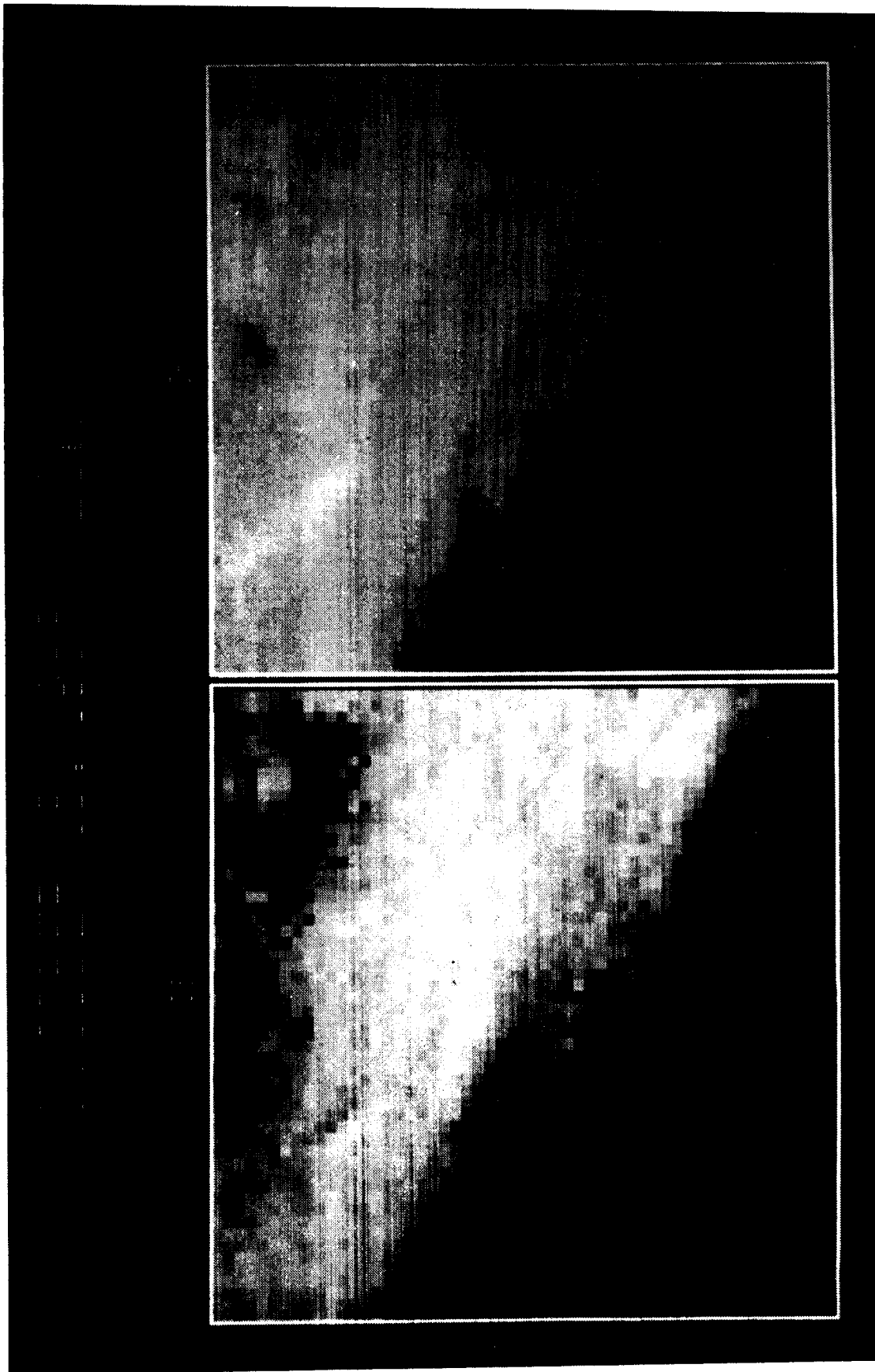
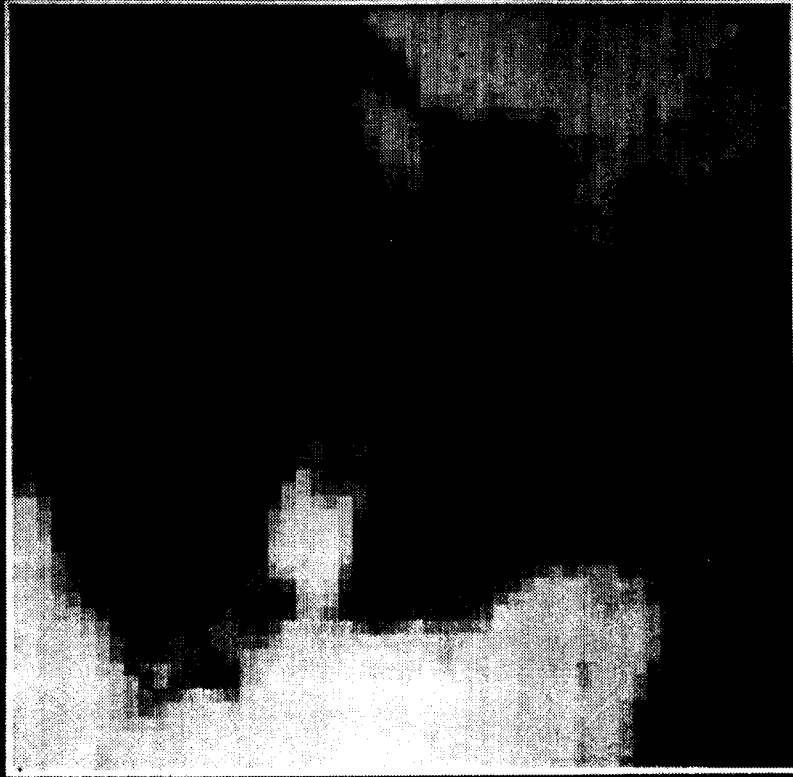


Figure 8. Visible and infrared images for Oct. 16.

NOVEMBER 17, 1958 2004 33

19



19



Figure 9. Visible and infrared images for Oct. 17.

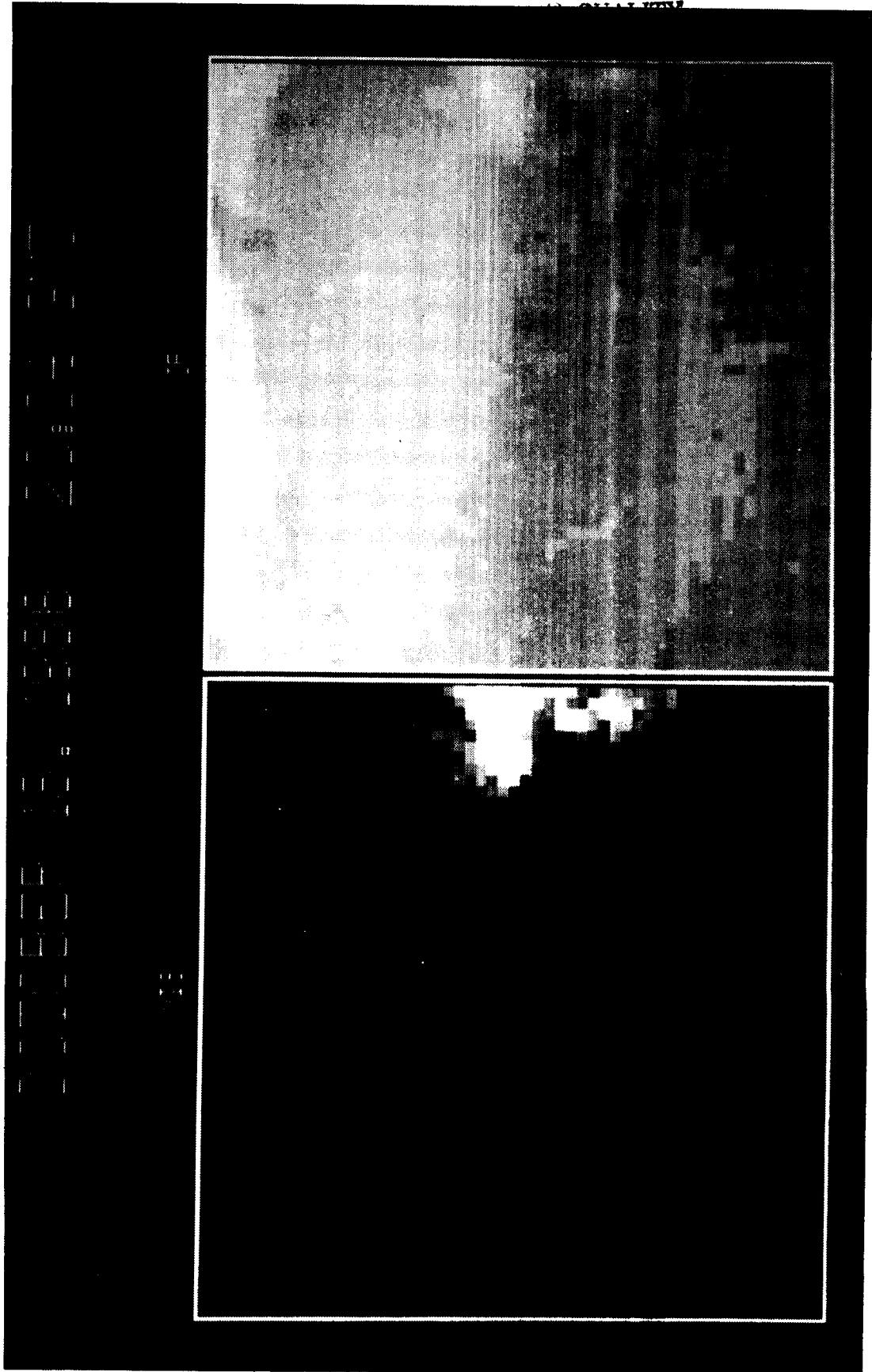


Figure 10. Visible and infrared images for Oct. 18.

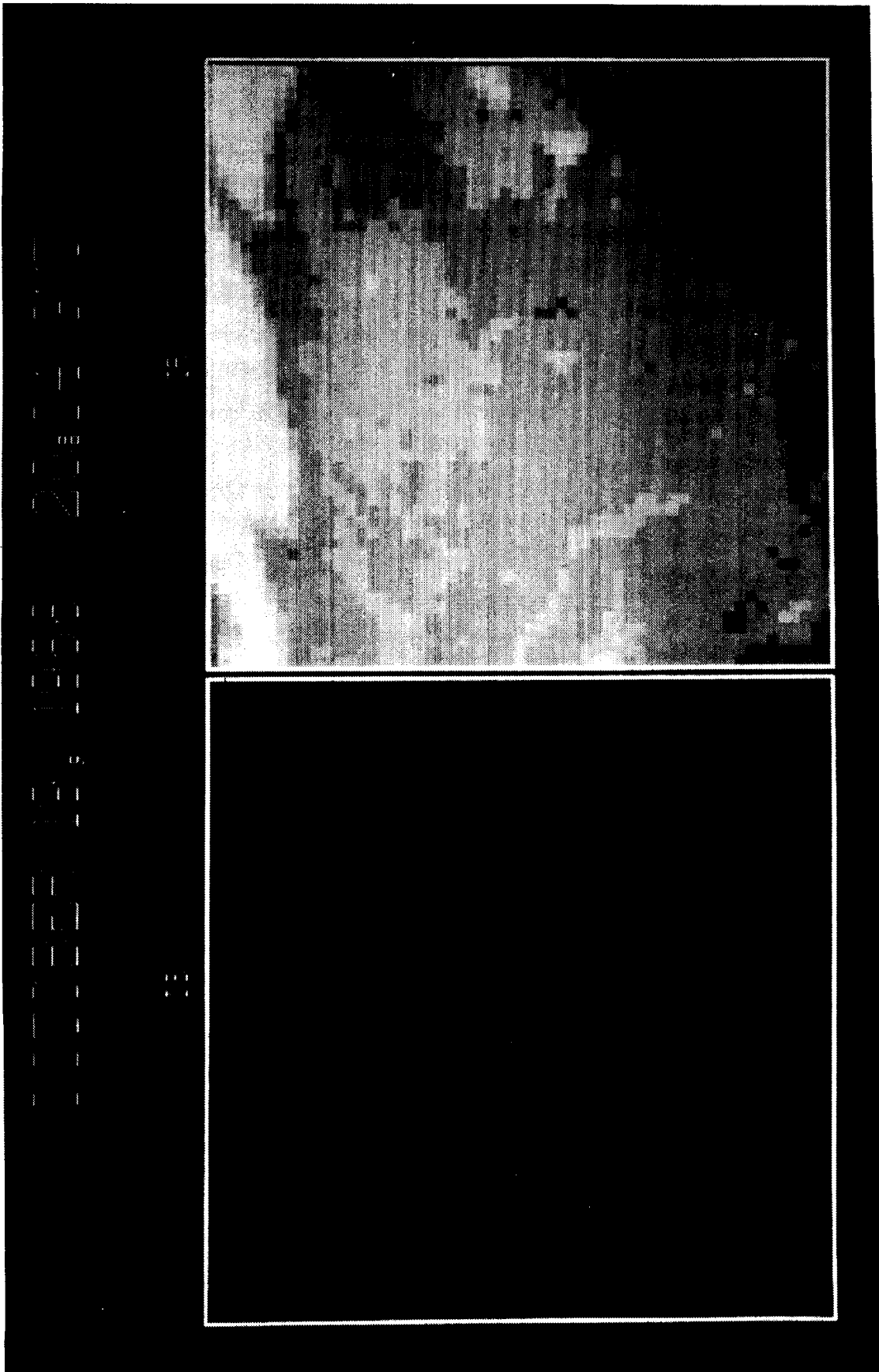


Figure 11. Visible and infrared images for Oct. 19.

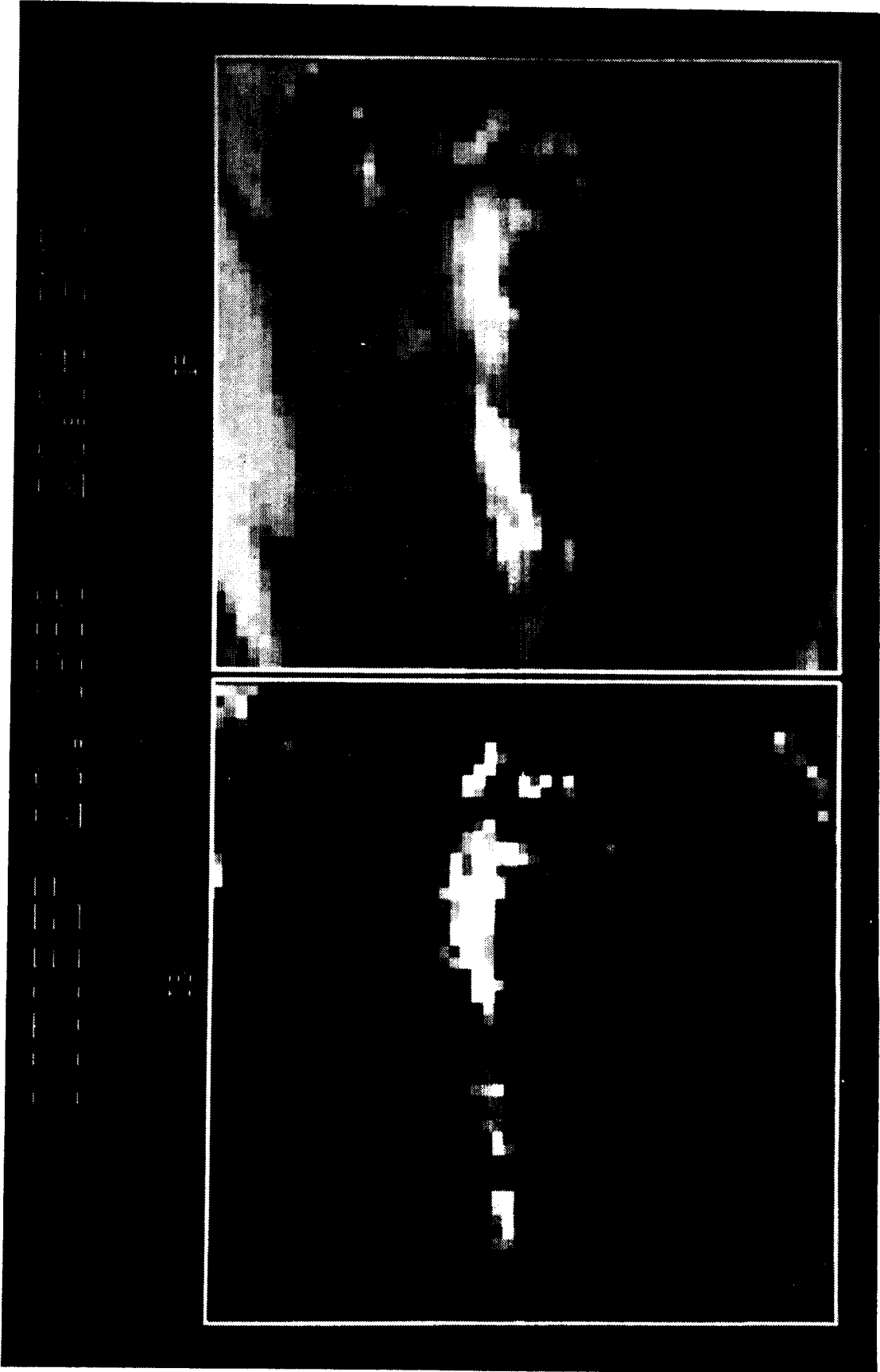


Figure 12. Visible and infrared images for Oct. 20.

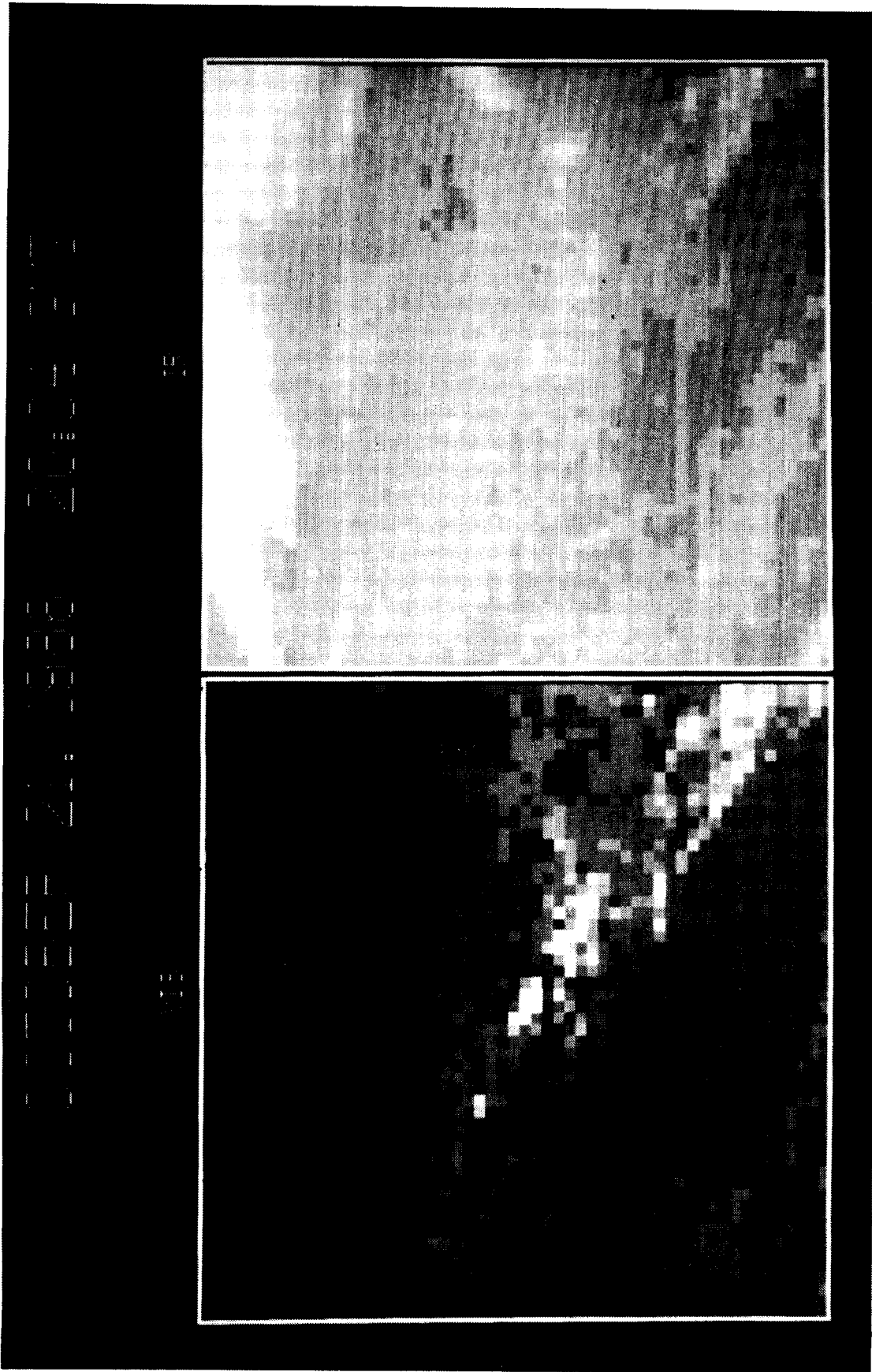


Figure 13. Visible and infrared images for Oct. 21.

000000 22. 1968 20:04 33

IR



VB

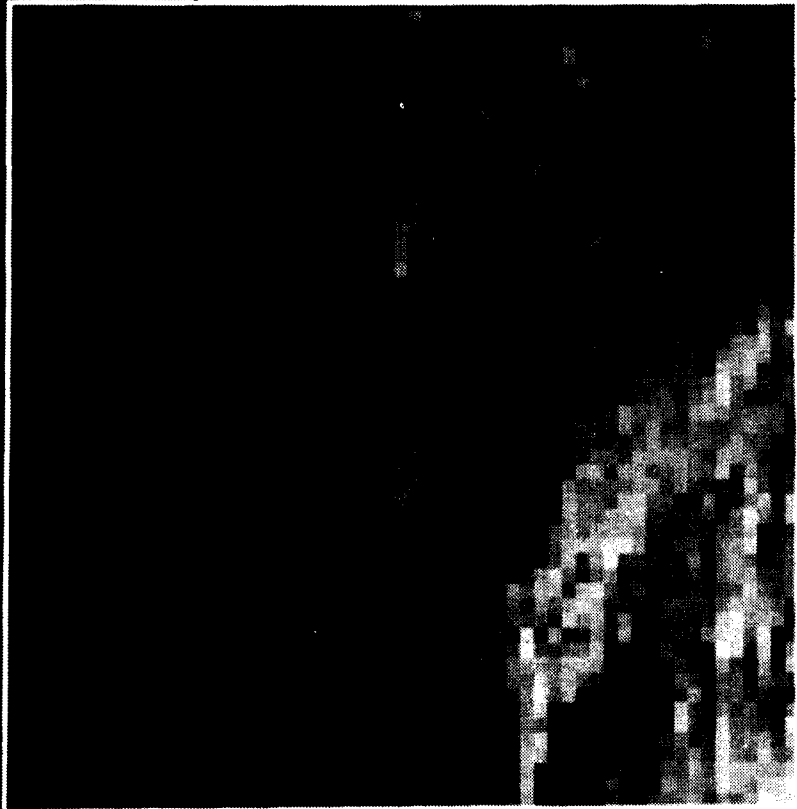


Figure 14. Visible and infrared images for Oct. 22.

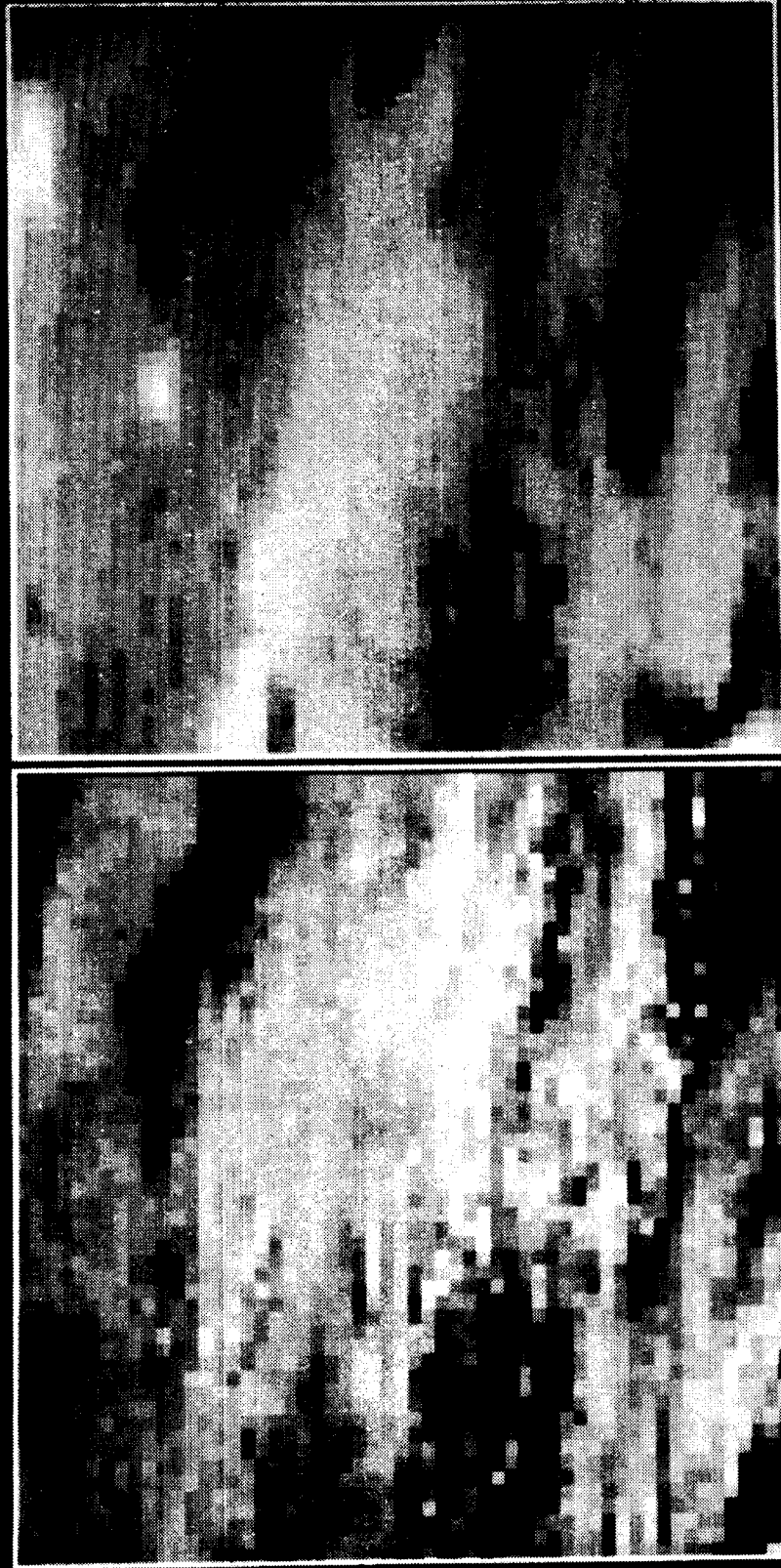


Figure 15. Visible and infrared images for Oct. 23.

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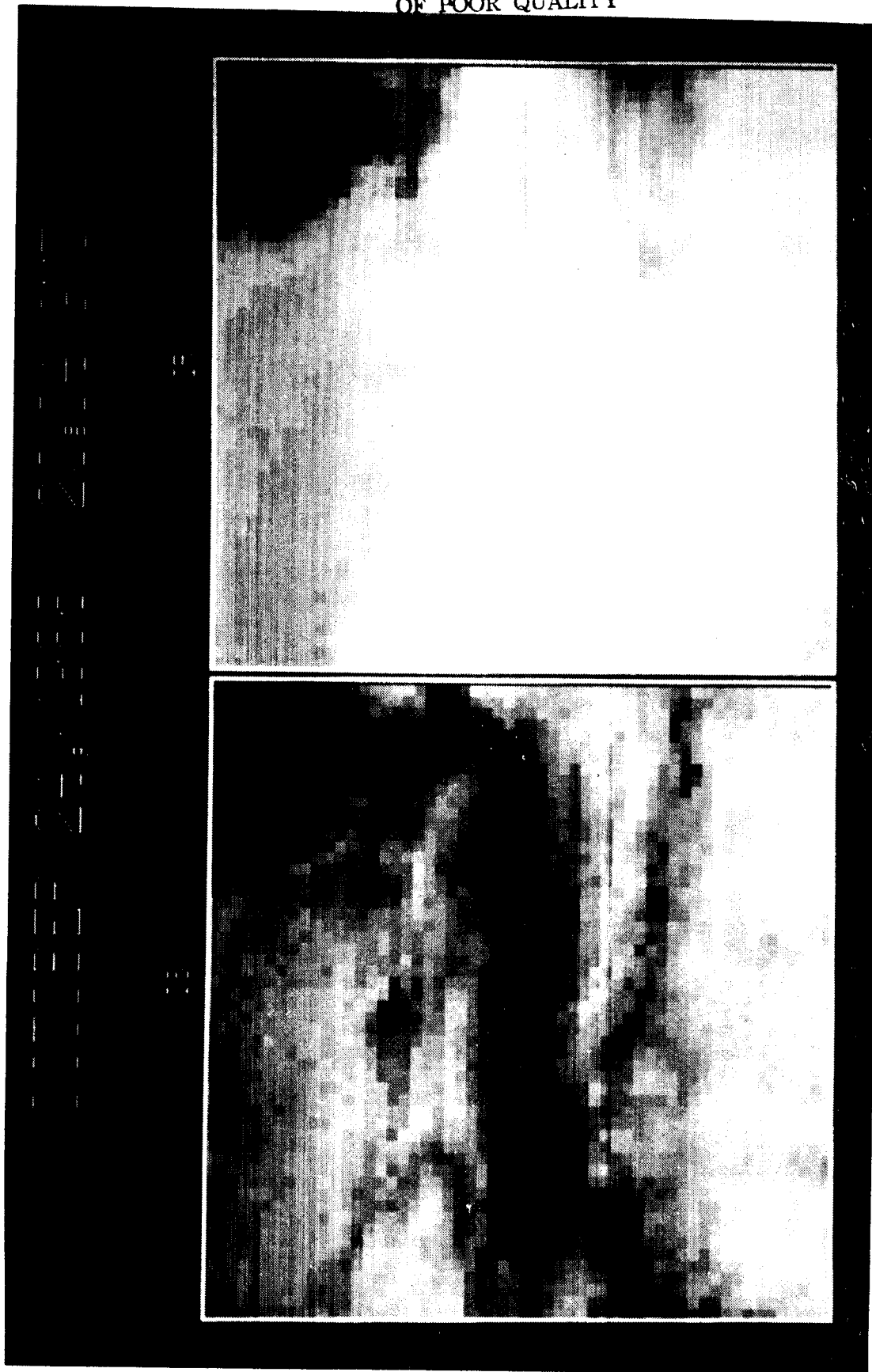


Figure 16. Visible and infrared images for Oct. 24.

000000 2E, 1988 2000 0000

IR

VIS

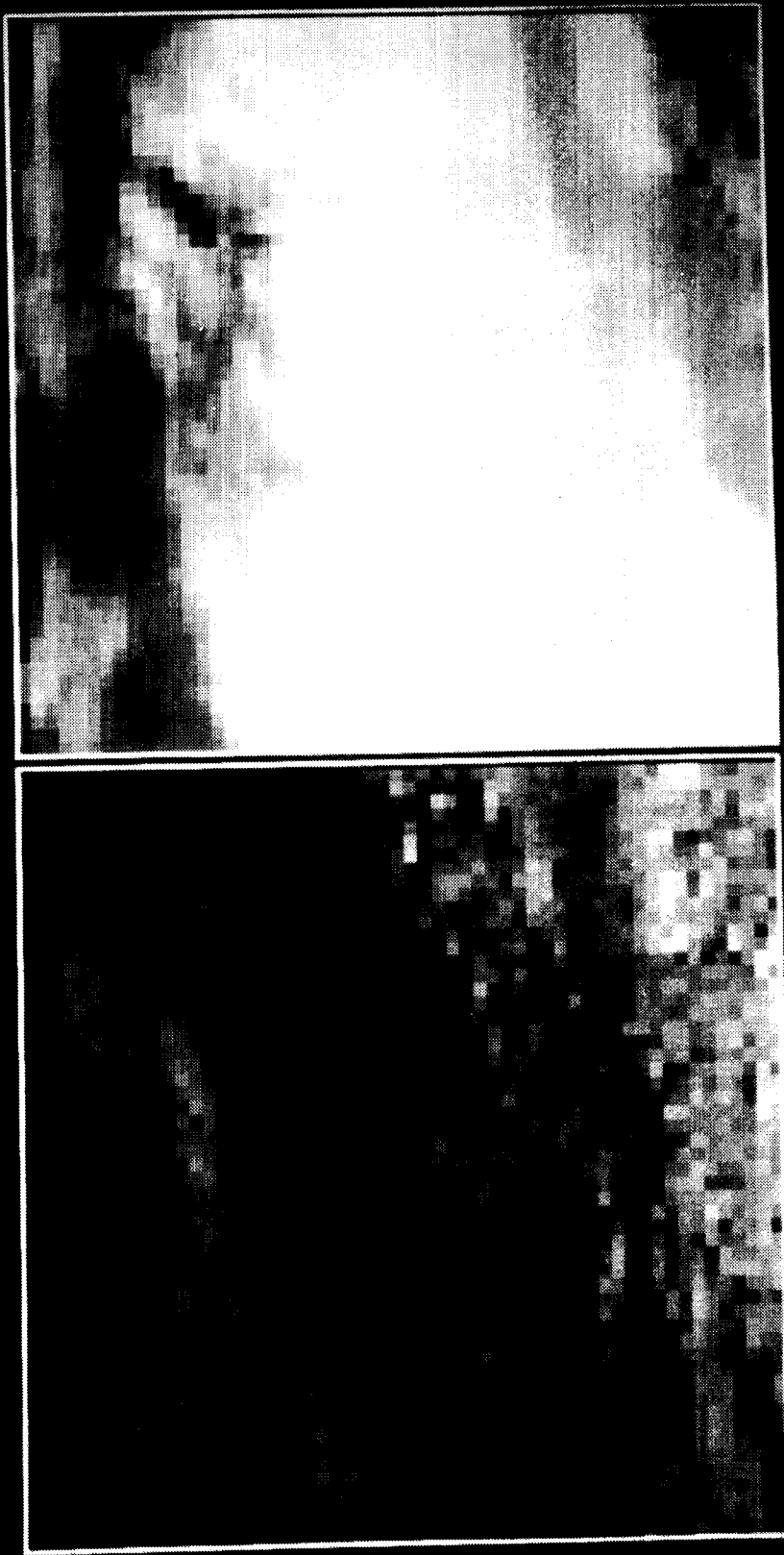


Figure 17. Visible and infrared images for Oct. 25.

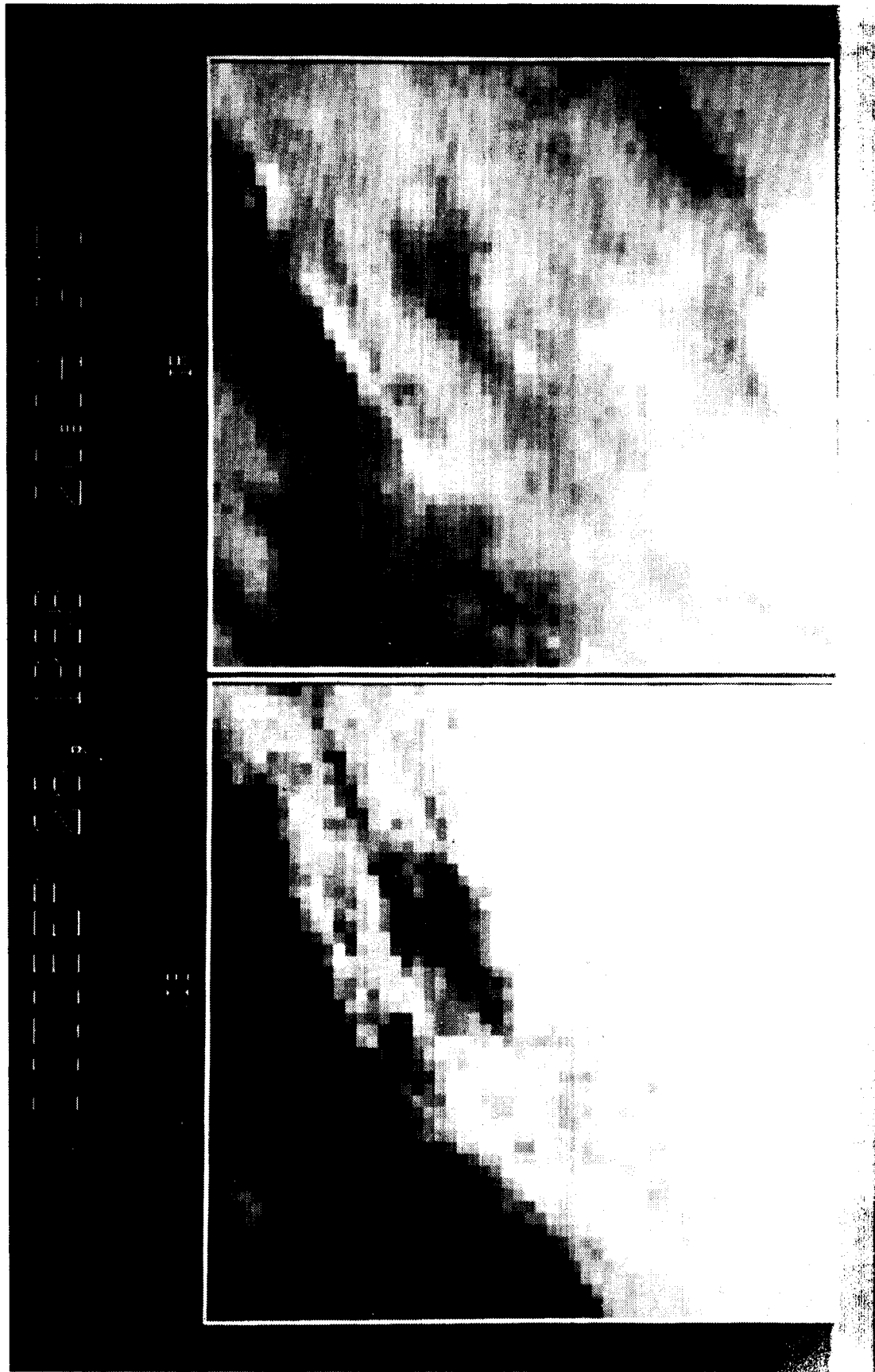
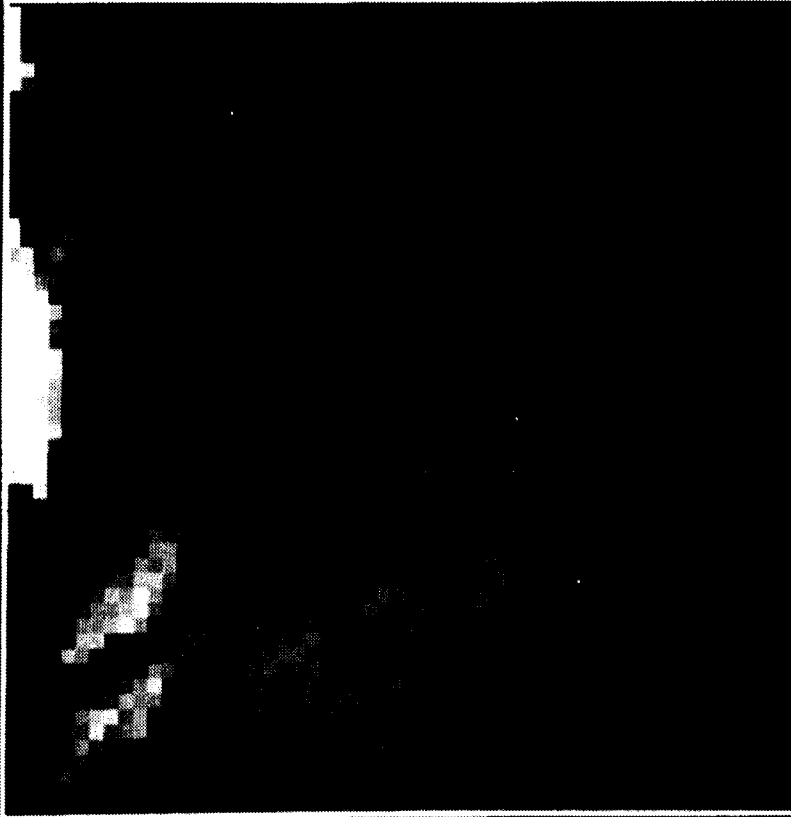


Figure 18. Visible and infrared images for Oct. 26.

OCTOBER 27, 1986 20:04:37

VIS



IR

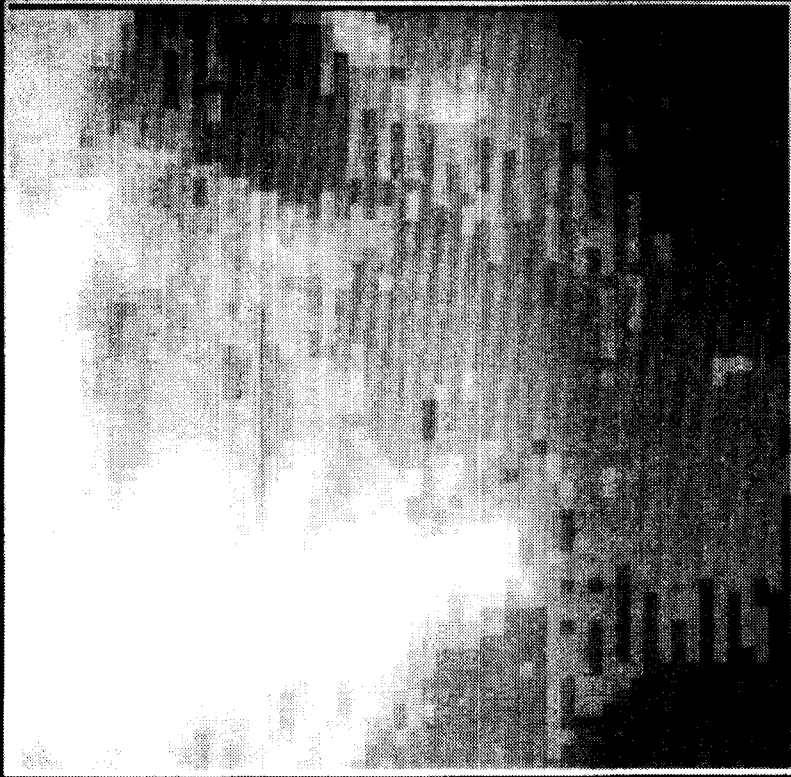


Figure 19. Visible and infrared images for Oct. 27.

OCTOBER 28, 1986 20:04 G11

VIS



IR

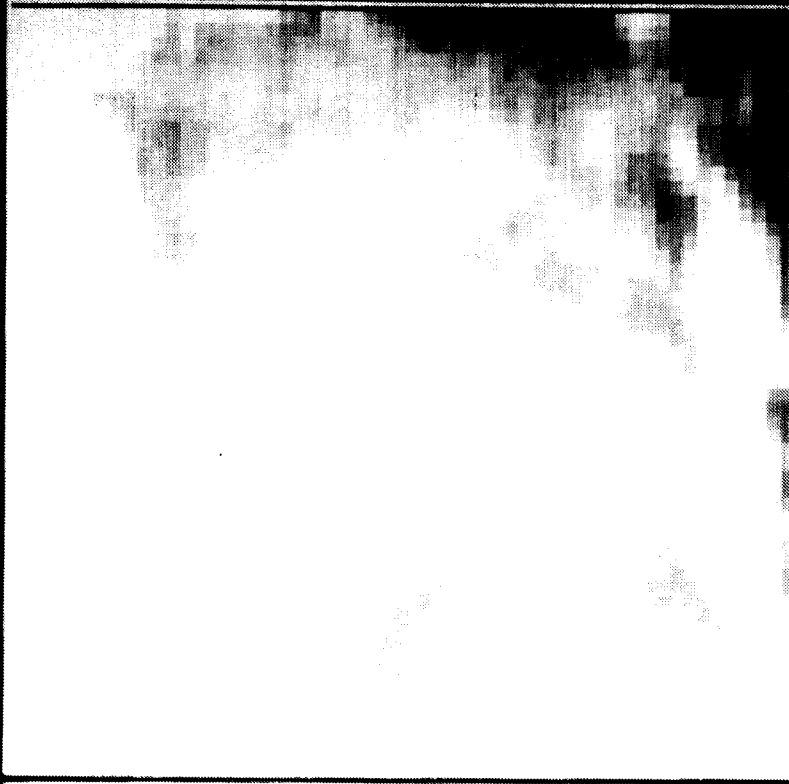


Figure 20. Visible and infrared images for Oct. 28.

OCTOBER 29, 1966 20:04:51

VIS



IR

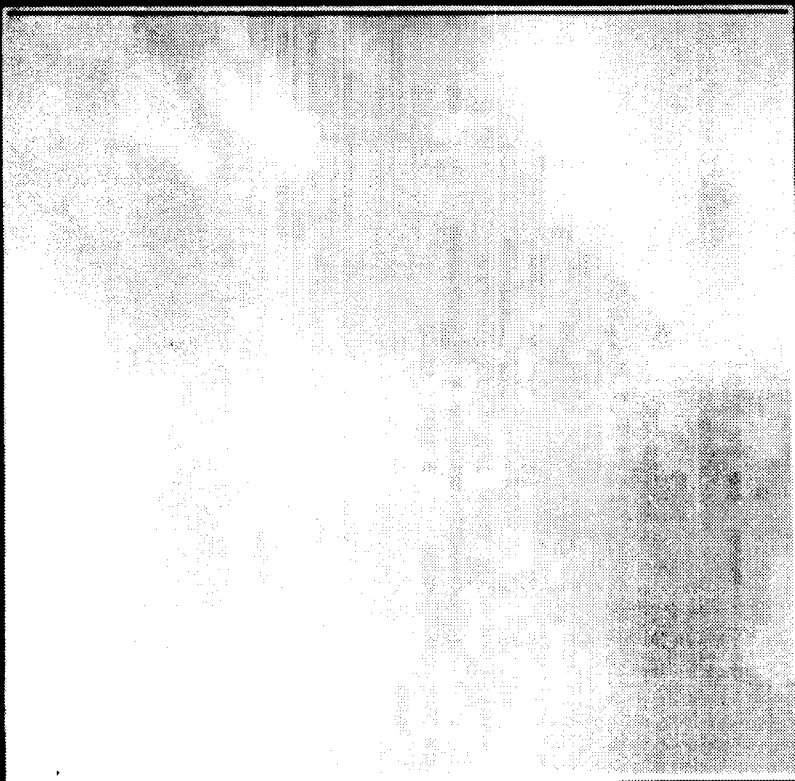


Figure 21. Visible and infrared images for Oct. 29.

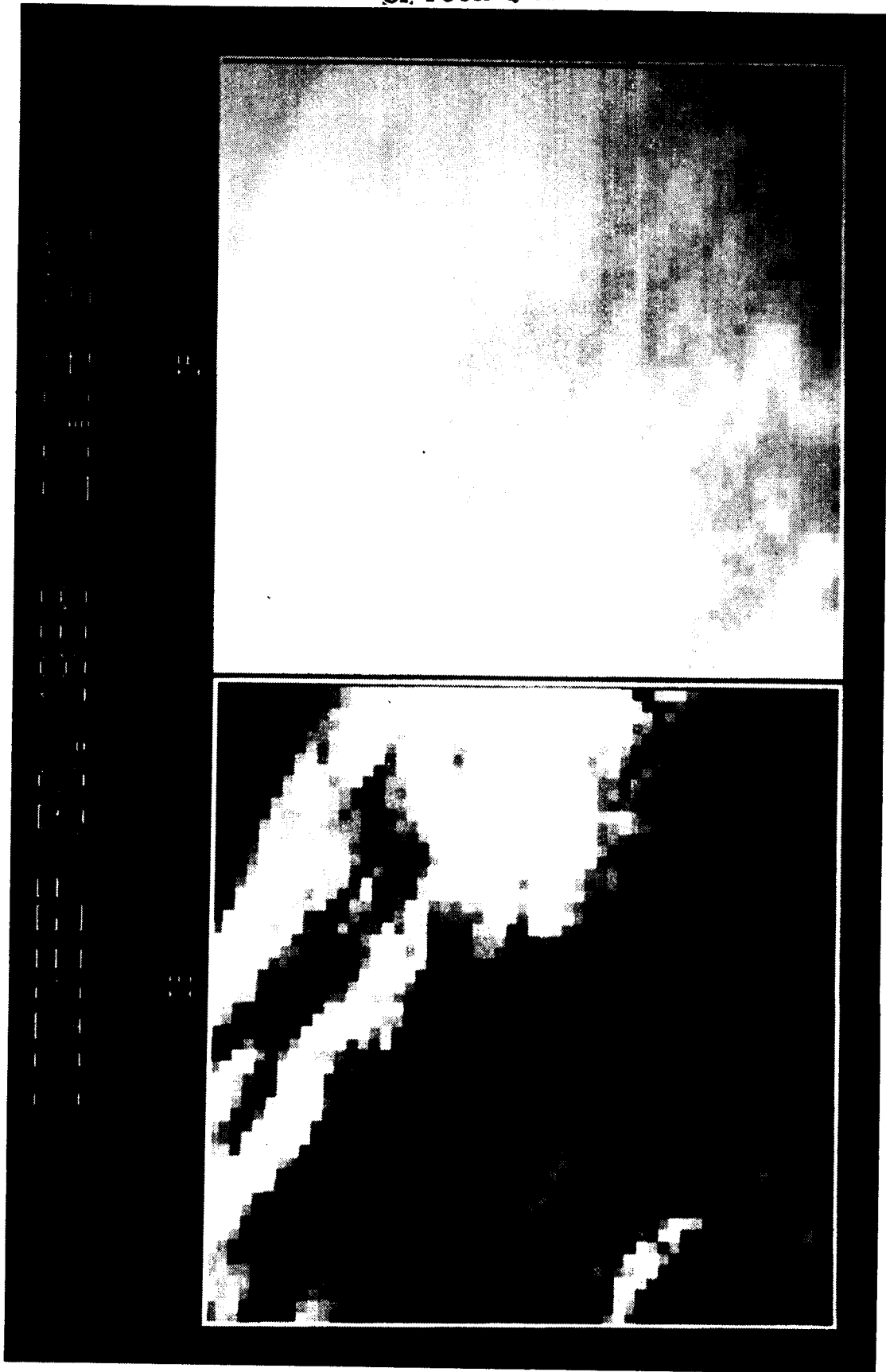


Figure 22. Visible and infrared images for Oct. 30.

NOVEMBER 31, 1986 2004 01

IR

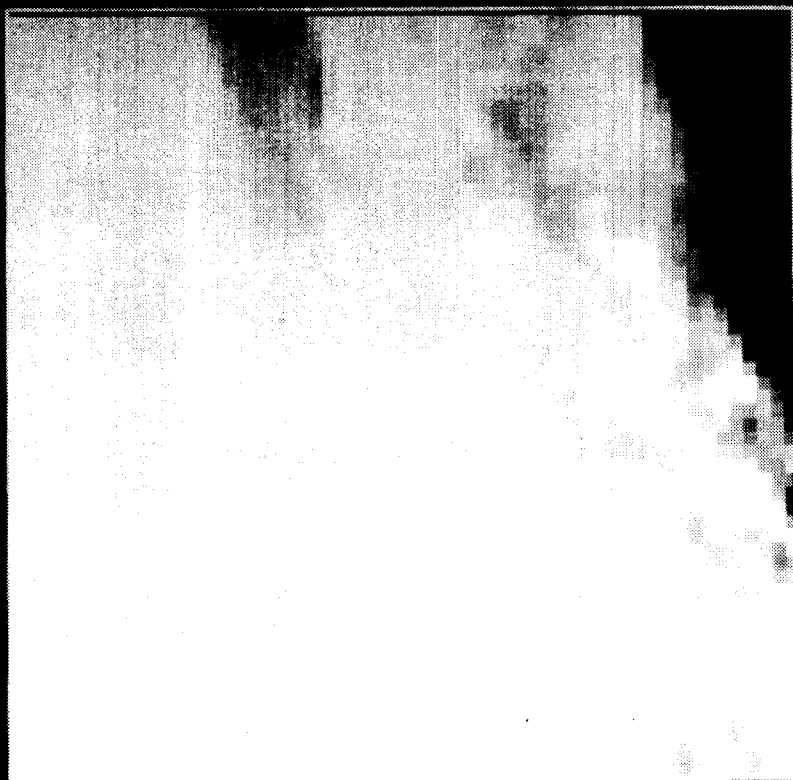


Figure 23. Visible and infrared images for Oct. 31.

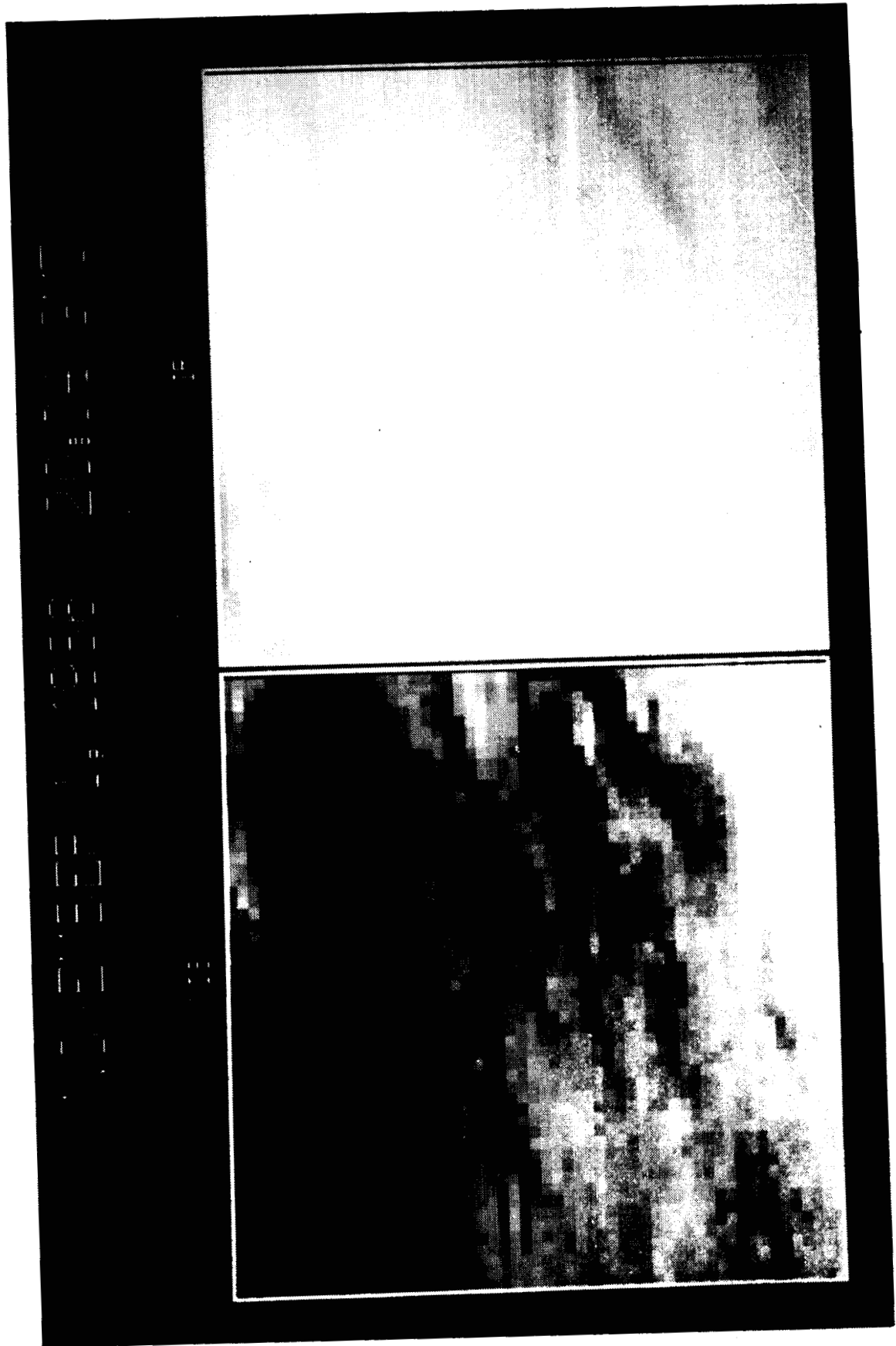
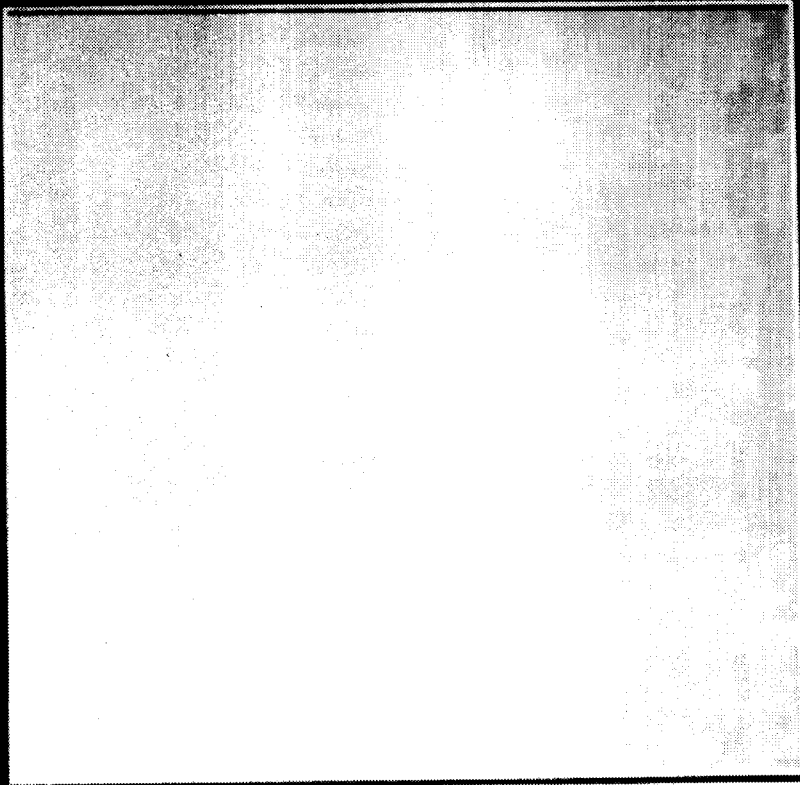


Figure 24. Visible and infrared images for Nov. 1.

NOVEMBER 2, 1988 2004 20

IR



IR



Figure 25. Visible and infrared images for Nov. 2.



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Charles H. Whitlock NASA Langley Research Center Hampton, VA 23665-5225	Stuart R. LeCroy PRC Kentron Hampton, VA 23666	Eric J. Raitch PRC Kentron Hampton, VA 23666			
16. Abstract <p>A map, concise tables, and satellite images are presented which show ground-site locations, GOES visible/infrared instrument counts above each site, and cloud spatial distribution for the experiment region from October 11 through November 2, 1986. The cloud images are presented near times of the afternoon NOAA-9 satellite overpasses in order to provide a qualitative aid in the interpretation of TOVS, AVHRR, and heat budget data during the FIRE/SRB experiment.</p>					
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