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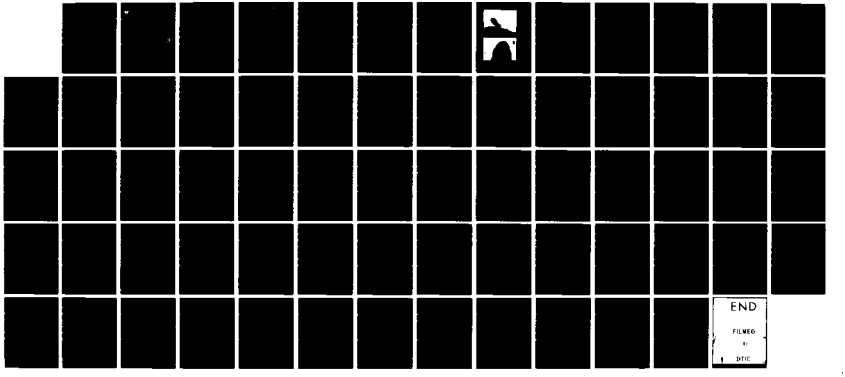

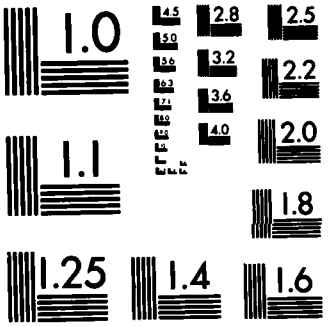

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BALLOON-BORNE AEROSOL PARTICLE COUNTER MEASUREMENTS MADE IN WINTERTIME AT GRAFENWÖHR, WEST GERMANY

DATA REPORT

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ECOM

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20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)*

A balloon-borne aerosol particle spectrometer was operated near Grafenwöhr, West Germany, at intervals during the 1975-1976 winter to measure size distribution of fog and haze particles as a function of altitude. The work was done at the request of the USA Night Vision Laboratory in support of an extensive test program conducted by that organization. This report was prepared to present the actual data in reduced form, in order to make them available to interested parties as soon as possible. Other reports will follow which deal with Mie

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20. Abstract (cont)

theory computations made on these data, and their implication concerning atmospheric transmission.

The instrument used was a Particle Measurement System, Inc., Model CSAS-100 particle spectrometer. The reduced data are presented as number of particles per cm^3 in each of 15 particle diameter channels ranging from 0.4 to 30μm. Data are shown for altitudes ranging from 0 to 250 m. In general, it was found that water droplet concentration and size increased with altitude. Measurements of upward and downward light flux, made with photodiodes, and thermistor temperature measurements are also included.

CONTENTS

A

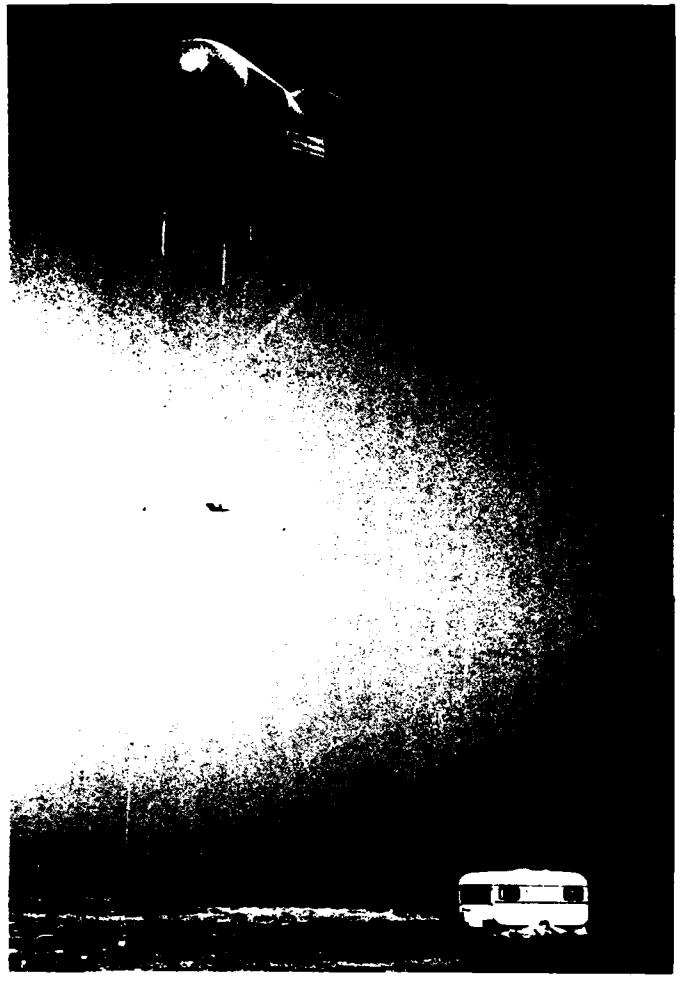
INTRODUCTION

This report presents aerosol data collected in West Germany during the mid-December 1975 through February 1976 time period, using a balloon-borne aerosol particle counter. The work was done as part of the Atmospheric Sciences Laboratory's (ASL) contribution to a US Army Electronics Command (USAECOM) field exercise conducted by the Night Vision Laboratory (NVL). The test location is a military training ground near the town of Grafenwöhr in West Germany. Grafenwöhr is approximately 100 km north of Nürnburg near the eastern border of West Germany. The local terrain consists of rolling hills and is partially forested; some of the land is tilled for farming.

These data were collected by ASL using equipment and support facilities prcvided by NVL. It should be understood that this work was done as a part of a much larger field test operation, and therefore the field conditions - such as choice of test location, hours of operation, equipment design, etc. - were not optimized for the aerosol measurements. Test conditions at the site were necessarily dictated by consideration of the larger overall objectives. The basic goal of these balloon aerosol measurements was to obtain some information about the degree of vertical inhomogeneity encountered at the test site. The balloon experiment consisted of an aerosol particle counter suspended 20 m below a 1500 ft^3 tethered balloon as shown in Figure 1.

The experiment could not be operated at night because it was not equipped with lights required to meet local aircraft hazard warning regulations. There was also a problem with interference caused by the presence of a nearby radar station, so that even during daylight hours data was collected only when the radar station was not in operation. This caused a considerable constraint on the operating schedule, and that is why data collection periods appear to be chosen at random intervals. All of the data presented in this report were gathered when the radar was not in operation - with the exception of the December measurements that were executed before the problem was discovered. The December data have been examined carefully in light of knowledge of the effect that the radar has on the instrument, and no data appeared to be affected.

In addition, it should be noted that the choice of the actual operating conditions (ascent rate, altitude intervals, etc.) of the balloon particle counting system was always a compromise between the need for long counting intervals to produce statistically meaningful results, the desire to obtain reasonable vertical spatial resolution by counting at frequent altitude intervals, and the need to complete the ascent/descent in a relatively short time interval because of the continually changing atmospheric conditions. Changes in operating conditions that are seen in this report are the result of judgments made in the field concerning such compromises. Obviously, more counters at spatially separated locations would have been desirable.



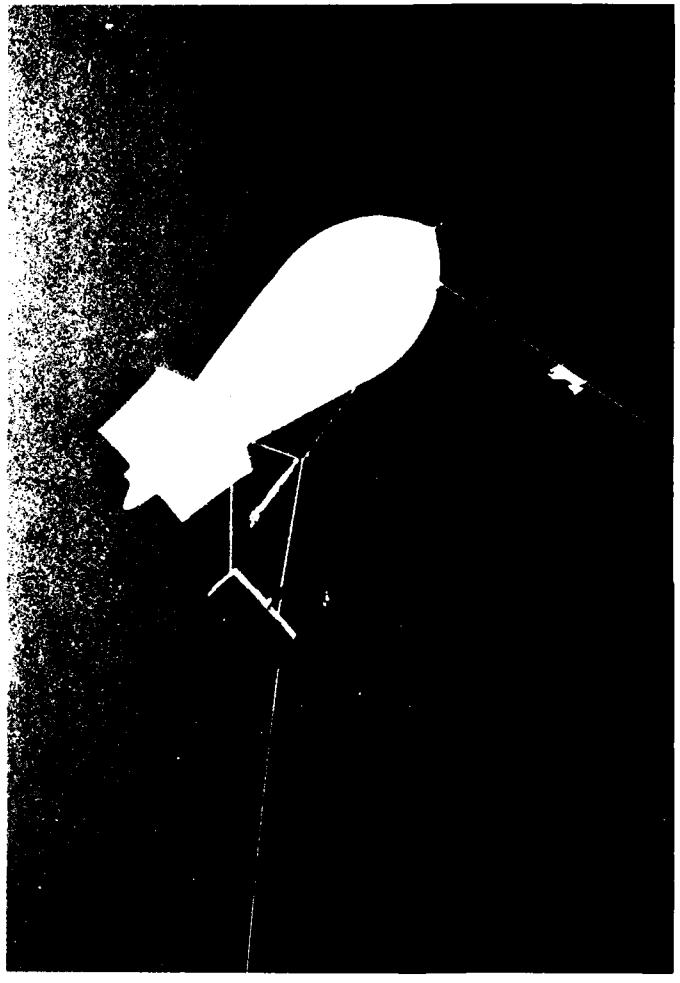


Figure 1. Photographs of the balloon experiment package consisting of an aerosol particle counter suspended 20 m below a 1500 ft^3 tethered balloon.

The data are presented in reduced form in the appendix, and the particle counter calibration prescribed by the manufacturer is given. The instrument calibration was checked in the field by the manufacturer using latex spheres and was found to be unchanged from factory calibration.

In an attempt to make the measurements available to the DOD community as quickly as possible, no discussion of the data is offered. Reports relating these data to other measurements made at the Grafenwöhr test site may be expected from the participating laboratories.

MEASUREMENT OF PARTICULATES

Particulate measurements were made with a commercially available [Classical Scattering Spectrometer Probe Model CSAS-100 made by Particle Measurements Systems (PMS) of Boulder, CO] light scattering aerosol particle counter. The counter works on the principle that as aerosol flows through an illuminated volume, light scattered by a single particle into a particular solid angle is measured photoelectrically, and response pulses are classified according to their magnitude. In turn, this signal is related to the particle size by a calibration curve. Theoretical response calculations for this instrument are not in the literature as yet, but calculations for similar instruments may be found in several papers [1-3]. The PMS instrument uses a 5-milliwatt He-Ne laser for the source of light. The solid angle for collection of the scattered light is 4-22° from the direction of forward scattering, and for a given gain or range setting there are 15 pulse-height channels of information. The pulse-height channels are related to particle size in Table 1. These are values quoted by PMS and represent some average particle diameter values for homogeneous, nonabsorbing, spherical particles with refractive indexes in the range of those of atmospheric aerosols. These values would be somewhat different under the assumption of spherical water droplets, for example, and the authors plan to pursue this problem of data deconvolution in a future report. To a rough approximation, however, particle size can be related to channel number for the various ranges by using the calibration information in Table 1. Some anomalies in the data that are believed to be caused by the difference in the advertised response of the instrument and the actual response for water droplets are: (1) discontinuities in the particle size distribution data at about channel 9 on range 4, at channel 5 on range 2; and (2) for range 2, channel 5 concentrations are higher than those in channel 4. However, some anomalies in the data are not understood. An example of such an anomaly is that for some heavy low visibility conditions, channel 1 concentrations are abnormally small on ranges 2 and 3.

Another important factor regarding the data interpretation is that the counting efficiency of the instrument for particles greater than about 10μm in diameter is probably less than 100 percent, since the gravitational fall rate for these larger particles (0.3 cm/s for a 10-μm diameter water droplet) may cause some to be lost in the instrument intake before being measured. It is not known at this time if this effect is serious.

TABLE 1

PARTICLE SIZE CHANNEL WIDTHS (Diameter in μm)

FOR THE PMS BALLOON INSTRUMENT,

AS SPECIFIED BY THE MANUFACTURER

	Instrument Range			
Channel	1	2	3	4
1	2-4	1-2	0.5-1	0.4-0.65
2	4-6	2-3	1-1.5	0.65-0.9
3	6-8	3-4	1.5-2.0	0.9-1.15
4	8-10	4-5	2.0-2.5	1.15-1.4
5	10-12	5-6	2.5-3.0	1.4-1.65
6	12-14	6-7	3.0-3.5	1.65-1.9
7	14-16	7-8	3.5-4.0	1.9-2.15
8	16-18	8-9	4.0-4.5	2.15-2.4
9	18-20	9-10	4.5-5.0	2.4-2.65
10	20-22	10-11	5.0-5.5	2.65-2.9
11	22-24	11-12	5.5-6.0	2.9-3.2
12	24-26	12-13	6.0-6.5	3.2-3.5
13	26-28	13-14	6.5-7.0	3.5-3.8
14	28-30	14-15	7.0-7.5	3.8-4.1
15	30-32	15-16	7.5-8.0	4.1-4.4

The particulate measurements reported in the appendix are in particles per cm^3 per channel. These values were derived from the raw data from the formula:

$$P_i = \frac{C_i}{S * F}$$

where

P_i is the number of particles per cm^3 in channel i.

C_i is the number of particles counted in channel i.

S is the sample time in seconds.

F is the sample flow rate - which is advertised to be 0.156 cm^3/sec for this instrument.

For example, if 10 counts were recorded in a particular channel for a 60-second measurement period, the reported particle concentration would be 1.1 particles per cm^3 for that particular channel (in the computer printout this number would appear as 11, since all concentration values have been multiplied by 10 to eliminate columns required for the decimal points). The above formula can of course be used to determine the statistical significance of a particular concentration value.

It should be pointed out that not all the particle data presented in the appendix are particularly useful in calculating total particulate cross sections. The reason is that for some fog conditions, measurements were made with the particle counter set on several different ranges. It is obvious from the data that for some balloon traverses, the larger particles were not counted when the instrument was set on the smaller particle size ranges.

MEASUREMENT OF ALTITUDE

The balloon package altitude was measured using a rheostat connected to the balloon winch spool. The rheostat was calibrated against measured length of nylon line used to tether the balloon. Although the nylon line length could be measured accurately to within a few meters (effects of nylon line stretching included), the error in measurement of balloon altitude is somewhat greater, depending on the local wind. For the high wind (20 mph) days, the balloon was displaced approximately 20° from the vertical, resulting in an altitude error of about 10 percent. The values of the altitude readings for times when the instrument was at ground level

(i.e., when the range setting was changed) are a measure of the reproducibility of altitude analog. Thus, small negative altitude readings occasionally appear in the computer printout, and the minimum altitude reading for each traverse is in fact the ground level reading. During the 21-23 February measurement periods the rheostat mechanism was inoperable and the altitude was estimated from markers attached to the tethering line. The maximum altitude error for this period is estimated at ±20 percent. The letters U, D, S following the altitude data in the computer printout imply that the instrument was moving upward (normally at 0.4 mps), downward (normally at 0.4 mps), or was stationary during the measurement period. This U, D, S notation does not apply to most of the December data since for this data the instrument was operated continuously in an overflow mode during balloon ascent and descent. In the overflow mode, the instrument reads out, resets, and resumes counting after a certain particle count has been reached (9999 total counts). Therefore, for the December data, when the balloon altitude has changed from one data set to the next, part of the sample is for the corresponding altitude traverse and part at the final altitude.

MEASUREMENT OF AIR TEMPERATURE

Air temperature was measured with a glass coated, carbon [illegible]stor having a 2-second time constant mounted in the aerosol sample flow stream within the instrument package. Daily performance of calibration against a thermometer during the measurement period shows maximum errors in the temperature measurement of ±2°C. However, the temperature changes on the order of tenths of degrees that are reported for time scales of minutes are believed real.

MEASUREMENT OF VISIBLE RADIATION FLUX

The visible radiation flux from above and below the instrument package was measured with silicon photodiode detectors with spectral sensitivity in the 0.4 to 1.1μm range, and with the peak response at 0.8μm. The solid angle field of view for both upward and downward looking detectors is estimated pi steradians. The detector response is advertised by PMS to be linear to within 1 percent over the range of radiation fluxes measured. The values of radiation flux reported here are photodiode output voltages that are proportional to the radiation flux, but cannot be related to radiation flux in an absolute way. However, measurements made with the two detectors under controlled conditions show that their outputs are in agreement with each other to within about 1 percent. During the measurement periods for which ground measurements were made, the upward radiation flux values are not useful.

During heavy, low visibility conditions, rime formed on the nylon tether line and to a lesser extent on the instrument package. Since the photodiode detectors were exposed, condensation or impaction of material on them may have caused erroneous readings during these measurement periods.

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2. Pinnick, R. G., J. M. Rosen, and D. J. Hofmann, Applied Optics, 12, 37 (1973).

3. Liu, B. Y. H., R. N. Bergland, and J. K Agarwal, Environ. Sci. Technol., 8, 717-732 (1974).

APPENDIX

COMPILATION OF MEASUREMENTS OF PARTICULATES, RADIATION FLUX, AND AIR TEMPERATURE

a. Computer Printout Data Format

A single line of data in the computer printout comprises a data set for measurements of particulates, radiation flux, and air temperature. The first column is the local time in hours, minutes, and seconds. The second column is the time during which the particulate data were collected. The third column designates the probe range setting which can be used to relate the particle concentrations in various channels to particle size according to Table 1. The fourth column of data is the instrument altitude above ground level. The alphanumeric symbols U, D, S indicate that the instrument was moving up, down, or was stationary during the measurement period. The fifth column is ambient air temperature in °C. The sixth and seventh columns are visible radiation flux measurements for radiation from above (downward) and below (upward) the instrument package, and are in relative units. The remaining data are particle concentration values per channel that have been multiplied by 10.

b. Data Table of Contents

13-20 Dec 75	These data were collected at different locations about 3 km west of the site of the remaining data. This was basically a test of the operational capability of the system.
21 Feb 76 0814-1014 1030-1138	Foggy uniform overcast conditions for this data. Wind was very light below about 150 m. Several balloon traverses were made to 200 m altitude. The balloon tether line was frosty when brought down.
22 Feb 76 0743-0927 1156-1444	This data is for medium to heavy for conditions with visibilities normally less than 1 km, but clearing after 1400 hours. The data are for a number of balloon traverses to 250 m altitude.
23 Feb 76 1535-1753	Relatively high visibility conditions for this data. Measurements were made to about 250 m altitude.

25 Feb 76 0716-0808	Heavy fog and light drizzle conditions for this data with visibility normally less than 500 m. Balloon ascents were made to 180 m altitude.
25 Feb 76 1214-1341	Heavy fog conditions for this data with visibility 500 to 300 m. Several balloon traverses were made to 150 m altitude.
25 Feb 76 1545-1656	This data is for very heavy fog conditions, during which time the visibility changed from 100 to 300 m in time scales of minutes. Several balloon traverses were made to an altitude of about 150 m.
26 Feb 76 0724-0918	No judgments of conditions or visibility were recorded for this data set. Several balloon traverses were made to 120 m altitude.
28 Feb 76 0734-1112	This data is for variable conditions of patchy light fog and blue sky. Several balloon traverses were made and there is also a measurement period for the instrument near ground level.
1 Mar 76 0731-1033	Light haze to clear conditions for this data. During this period, the instrument was about 3 m from ground level since the wind was too strong to fly the balloon.
1 Mar 76 1632-2009	This data is for clear conditions with the instrument about 3 m from ground level. Sunset was at 1751 hours.

DATE -- 12/13/75

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (MI)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
10:38:20	211	3	11	-2.1	300	36	3012	688	784	613	549	361	9	3	3	2	1	0	0	0	0	0	
10:41:13	173	3	11	-2.1	375	45	3667	664	973	767	724	514	9	3	9	4	1	0	0	0	0	0	
10:52:11	164	3	88	-2.9	391	61	3948	1387	1095	627	469	252	10	4	2	2	0	0	1	0	0	0	
10:54:54	163	3	88	-2.8	436	78	3889	1749	1131	534	339	125	3	2	1	2	0	0	0	0	0	0	
10:57:39	165	3	125	-3.0	436	82	3876	2714	520	295	227	111	1	2	3	1	0	0	0	0	0	0	
10:59:03	84	3	125	-3.0	417	77	7565	4400	1013	852	768	511	7	5	6	3	0	0	0	0	0	0	
11:00:26	83	3	161	-3.1	393	82	7684	2971	1172	1225	1090	1030	47	35	47	56	9	1	1	0	0	1	
11:03:19	84	3	162	-3.1	403	74	7610	2486	1116	1234	1142	1281	88	61	85	90	16	4	5	2	0	0	
11:04:48	89	3	200	-3.2	424	78	7161	4347	1011	797	668	321	6	4	3	2	1	0	0	0	0	0	
11:09:27	93	3	236	-3.4	409	78	6993	2995	1015	1054	933	863	35	32	32	26	6	1	0	1	0	0	
11:11:39	132	3	236	-3.6	395	70	4839	654	646	1004	982	1134	80	52	102	114	17	12	18	3	7	13	
11:12:46	67	3	258	-3.4	416	87	9514	1267	1230	1835	1626	2169	231	155	337	454	78	33	50	25	11	14	
11:14:33	57	3	273	-3.4	435	112	11109	940	917	1718	1625	2185	351	322	778	1218	330	181	249	107	72	117	
11:15:44	71	3	273	-3.4	447	112	8436	868	822	1459	1355	1833	232	138	379	597	181	137	157	84	78	116	
11:19:14	55	3	273	-3.4	476	166	11573	1040	924	1744	1682	2147	381	265	788	1326	410	240	293	124	78	133	
11:21:11	63	3	237	-3.4	445	116	10019	733	734	1272	1138	1396	292	314	1171	1851	539	198	227	81	36	38	
11:22:15	64	3	234	-3.4	438	109	9945	1334	1134	1730	1752	2193	286	175	440	645	146	30	47	15	5	13	
11:23:29	74	3	234	-3.3	453	104	8618	1343	1111	1611	1562	1974	189	112	207	308	90	32	36	16	10	17	
11:24:59	90	3	234	-3.3	454	103	7082	1499	1088	1360	1264	1569	122	36	55	71	9	3	4	3	1	0	
11:26:34	95	3	197	-3.2	453	96	6702	2169	1030	1099	1025	1201	80	28	36	31	3	1	1	0	0	0	
11:28:17	103	3	197	-3.1	478	102	6250	3003	878	802	731	770	32	6	11	16	1	1	0	0	0	0	
11:29:57	100	3	197	-2.9	476	101	6349	4425	847	499	350	217	3	3	4	1	1	0	0	0	0	0	
11:31:36	99	3	163	-2.9	469	101	6418	4296	838	531	456	284	5	3	3	3	0	1	0	0	0	0	
11:33:19	103	3	162	-2.9	444	90	6213	4024	815	591	464	303	4	4	6	2	1	0	0	0	0	0	
11:35:02	103	3	162	-2.8	431	82	6180	3977	836	561	494	305	2	1	2	1	0	0	0	0	0	0	
11:36:44	102	3	146	-2.6	435	80	6257	4201	780	534	441	286	4	3	3	6	0	0	0	0	0	0	
11:38:27	103	3	125	-2.5	439	74	6181	4528	813	421	294	120	0	1	1	2	1	0	0	0	0	0	
11:40:09	102	3	125	-2.4	426	72	6285	4557	824	441	330	128	1	1	3	0	0	0	0	0	0	0	
11:41:54	105	3	91	-2.2	432	68	6054	4183	839	479	337	207	2	2	1	1	1	0	1	0	0	0	
11:43:39	105	3	89	-2.2	436	69	6052	4499	810	377	258	101	1	2	3	1	0	0	0	0	0	0	
11:45:22	103	3	89	-2.1	440	76	6220	4694	820	387	237	78	1	0	2	1	1	0	0	0	0	0	
11:47:07	105	3	89	-2.1	454	86	6053	4541	864	349	213	82	1	1	2	0	0	0	0	0	0	0	
11:52:34	112	3	49	-1.7	446	79	5702	4362	823	318	172	22	1	2	1	1	0	0	0	0	0	0	
11:54:28	114	3	12	-1.5	434	68	5573	4225	841	323	153	25	1	2	2	1	0	1	0	0	0	0	
11:56:31	123	3	12	-1.6	429	64	5231	3991	818	275	125	16	3	2	1	1	0	0	0	0	0	0	
11:58:37	126	3	12	-1.4	454	80	5051	3890	770	256	120	14	2	0	1	0	0	0	0	0	0	0	
12:00:47	130	3	12	-1.2	456	87	4887	3760	760	232	120	13	0	0	0	0	0	0	0	0	0	0	
12:02:59	132	3	12	-1.1	439	75	4815	3716	735	224	123	15	0	1	1	0	0	0	0	0	0	0	
12:05:14	135	3	12	-1.2	437	74	4754	3661	740	227	109	12	1	1	1	0	0	0	0	0	0	0	
12:07:30	136	3	12	-1.1	406	58	4698	3610	733	233	101	16	1	0	1	0	0	0	0	0	0	0	
12:09:39	129	3	12	-1.2	273	31	4923	3829	710	242	123	17	1	0	1	0	0	0	0	0	0	0	
12:11:43	124	3	7	-1.1	264	23	5150	3881	772	276	169	44	1	1	4	1	0	1	0	0	0	1	
12:15:54	129	3	18	-1.1	288	29	4928	3772	702	263	157	32	0	1	0	0	0	0	0	0	0	0	
12:18:01	127	3	35	-1.7	393	46	4999	3830	746	264	141	14	1	2	1	0	0	1	0	0	0	0	
12:20:04	123	3	51	-1.8	427	62	5165	3956	757	272	156	21	1	1	1	0	0	0	0	0	0	0	
12:22:09	125	3	76	-1.7	423	63	5087	3920	715	266	151	33	1	1	0	1	0	0	0	0	0	0	
12:24:11	122	3	98	-1.9	418	61	5229	3884	751	324	213	51	2	1	1	2	0	0	0	0	0	0	
12:26:14	123	3	129	-2.3	411	59	5179	3788	755	346	216	70	1	1	2	0	0	0	0	0	0	0	
12:28:16	122	3	143	-2.4	390	53	5230	3637	759	420	288	120	3	2	2	1	0	0	0	0	0	0	
12:30:19	123	3	118	-2.5	384	50	5163	3566	722	430	314	122	3	1	1	3	0	0	0	0	0	0	

DATE -- 12/13/75

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
12:38:59	128	3	102	-2.1	390	50	4976	3726	736	283	192	34	2	1	1	1	0	0	0	0	0	0	
12:41:10	131	3	129	-2.0	375	53	4853	3467	679	364	233	105	1	1	1	1	0	0	0	0	0	0	
12:43:19	129	3	161	-2.1	376	54	4949	3294	721	425	301	194	5	3	3	2	0	0	0	0	0	0	
12:45:29	130	3	179	-2.2	391	53	4895	2937	732	496	433	286	2	3	1	4	0	0	0	0	0	0	
12:47:39	130	3	194	-2.6	394	62	4892	3025	741	509	382	225	4	1	3	1	0	0	0	0	0	0	
12:49:49	130	3	210	-2.7	402	61	4890	2809	788	549	422	307	8	1	3	1	0	0	0	0	0	0	
12:52:04	135	3	226	-2.7	402	64	4722	2484	792	592	470	368	8	2	4	3	0	0	0	0	0	0	
12:54:16	132	3	226	-2.7	399	65	4814	2342	789	665	556	446	9	1	4	3	0	0	0	0	0	0	
13:08:13	132	3	226	-2.8	463	93	4820	2069	887	702	604	530	11	4	6	7	1	0	0	0	0	0	
13:10:29	136	3	226	-2.6	473	92	4678	2011	850	687	576	530	9	3	4	5	1	0	0	0	0	0	
13:12:47	138	3	226	-2.5	465	92	4601	1953	841	692	579	513	10	4	4	4	1	0	0	0	0	0	
13:15:07	140	3	226	-2.7	444	81	4564	1993	826	651	567	505	10	1	3	8	0	0	0	0	0	0	
13:17:23	136	3	226	-2.7	418	70	4711	1971	913	684	625	495	7	6	4	3	1	0	0	0	0	0	
13:19:44	141	3	226	-2.6	418	68	4523	1779	874	691	641	511	11	5	7	3	0	0	0	0	0	0	
13:21:59	135	3	226	-2.7	412	67	4708	1794	906	756	594	630	16	1	3	6	2	0	0	0	0	0	
13:24:20	141	3	226	-2.6	415	79	4528	1896	840	677	543	538	17	4	5	6	1	0	0	0	0	0	
13:31:16	138	3	226	-2.4	385	50	4622	1803	818	733	605	619	26	5	6	7	0	0	0	0	0	0	
13:33:43	147	3	226	-2.5	363	46	4338	2307	685	547	421	354	9	3	7	4	0	0	0	0	0	0	
13:36:08	145	3	226	-2.4	441	69	4413	2498	702	501	392	306	4	2	4	4	0	0	0	0	0	0	
13:38:40	120	3	226	-2.3	459	87	5318	2794	814	593	488	417	6	3	3	2	0	0	0	0	0	0	
13:43:41	151	3	226	-2.3	393	63	4221	2745	616	379	294	178	1	3	3	2	0	0	0	0	0	0	
13:48:44	156	3	226	-2.3	425	65	4068	2217	634	496	383	325	3	3	4	3	0	0	0	0	0	0	
13:51:21	157	3	226	-2.4	402	62	4062	2315	681	458	352	246	3	3	2	2	0	0	0	0	0	0	
13:53:53	180	3	226	-2.2	398	66	3538	1780	614	448	372	309	3	3	4	2	0	1	0	0	0	0	
14:01:33	180	3	226	-2.2	434	66	3547	1825	616	433	339	321	9	3	1	0	0	0	0	0	0	0	
14:06:58	162	3	226	-2.4	429	60	3930	2331	626	428	349	188	2	1	3	2	0	0	0	0	0	0	
14:09:40	162	3	226	-2.2	423	63	3918	2301	638	424	321	224	2	3	4	2	0	0	0	0	0	0	
14:12:28	168	3	226	-2.2	419	64	3795	2260	608	411	310	196	3	2	4	1	0	0	0	0	0	0	
14:15:17	170	3	226	-2.3	443	67	3769	2290	585	405	290	191	2	1	3	2	0	0	0	0	0	0	

DATE -- 12/14/75

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
							PARTICLES PER CC (X 10)																
09:52:33	195	3	95	-3.4	330	223	3257	2335	435	151	65	36	25	31	19	28	18	11	22	0	0	0	
09:55:36	187	3	101	-3.5	350	228	3479	2304	447	138	68	43	49	35	40	35	40	41	48	147	34	0	
09:58:34	179	3	195	-3.3	350	270	3376	2411	437	133	70	40	35	42	38	46	37	22	41	189	34	0	
10:01:39	175	3	241	-3.6	340	256	3527	2463	478	145	69	47	50	53	54	68	39	29	16	97	15	0	
10:07:35	193	3	490	-3.5	393	314	3433	2505	432	139	53	35	35	39	25	33	34	31	15	49	1	0	
10:10:38	182	3	495	-3.5	422	320	3497	2421	445	156	82	83	55	46	57	41	24	8	17	61	0	0	
10:13:36	173	3	559	-3.6	405	344	3501	2610	431	154	73	53	75	40	48	15	22	13	3	0	0	0	
10:16:30	174	3	555	-3.7	380	322	3708	2544	482	171	83	54	75	62	65	63	53	32	14	0	0	0	
10:19:34	184	3	719	-3.3	380	323	3459	2596	457	133	60	33	23	33	28	21	19	15	5	18	0	0	
10:22:32	178	3	715	-3.8	413	300	3577	2551	487	147	74	42	43	40	37	30	12	14	29	32	0	0	
10:25:28	175	3	859	-3.9	457	424	3615	2613	474	141	67	47	41	35	32	43	29	31	24	33	0	0	
10:28:20	172	3	855	-3.9	454	413	3505	2651	500	143	81	50	67	53	42	23	20	15	23	1	0	0	
10:31:22	193	3	1079	-3.8	429	373	3502	2523	441	127	65	43	49	40	60	35	40	38	35	0	0	0	
10:34:25	187	3	1075	-4.0	431	370	3478	2521	451	128	60	39	51	43	54	55	24	17	9	3	0	0	
10:37:27	182	3	1139	-3.9	444	393	3435	2525	452	144	61	45	45	52	52	51	32	17	7	0	0	0	
10:40:22	175	3	1195	-4.0	437	334	3530	2655	455	128	64	37	42	58	64	52	21	8	0	0	0	0	
10:43:27	195	3	1359	-4.1	427	360	3453	2623	472	133	43	25	24	33	42	51	0	0	0	0	0	0	
10:46:29	187	3	1375	-4.1	424	393	3495	2704	461	119	45	13	18	20	20	17	0	0	0	0	0	0	
10:49:26	177	3	1509	-4.1	452	333	3535	2353	454	125	50	19	23	11	15	20	0	0	0	0	0	0	
10:52:24	178	3	1505	-4.2	472	421	3586	2808	475	124	39	7	10	13	13	13	4	1	0	0	0	0	
10:55:25	182	3	1599	-4.2	465	423	3491	2938	437	120	35	1	0	1	0	0	0	0	0	0	0	0	
10:58:28	182	3	1695	-4.1	457	431	3494	2830	471	118	37	10	0	13	0	1	0	0	0	0	0	0	
11:04:37	174	3	1375	-3.3	454	492	3543	2030	513	120	37	3	5	7	12	0	0	0	0	0	0	0	
11:11:04	200	3	2095	-3.0	530	497	3184	2558	451	114	47	7	3	0	0	0	0	0	0	0	0	0	
11:13:27	220	3	2155	-3.7	450	434	2331	2311	415	113	34	9	5	4	0	0	0	0	0	0	0	0	
11:21:54	207	3	2370	-3.8	455	495	3078	2422	447	118	44	13	15	5	8	3	0	0	0	0	0	0	
11:25:30	215	3	2325	-3.3	502	494	2344	2303	421	110	37	4	1	1	1	0	0	0	0	0	0	0	
11:29:20	230	3	2470	-3.4	461	501	2751	2230	300	97	28	4	2	1	1	0	0	0	0	0	0	0	
11:33:13	193	3	2475	-3.6	483	501	3257	2539	453	127	34	3	2	1	1	0	0	0	0	0	0	0	
11:36:52	219	3	2150	-3.6	504	507	2907	2310	432	109	37	8	5	4	2	0	0	0	0	0	0	0	
11:40:17	205	3	2159	-3.6	502	503	3117	2548	421	105	37	5	1	1	1	0	0	0	0	0	0	0	
11:46:44	207	3	1823	-3.6	477	453	3084	2500	439	103	32	6	2	2	1	0	0	0	0	0	0	0	
11:49:53	195	3	1325	-3.4	477	505	3253	2543	443	122	47	22	25	24	10	11	0	0	0	0	0	0	
11:53:26	208	3	1499	-3.5	489	423	3051	2458	419	103	39	8	0	6	6	7	0	0	0	0	0	0	
11:57:01	215	3	1493	-3.5	495	433	2373	2423	407	95	30	7	3	1	0	0	0	0	0	0	0	0	
12:00:30	209	3	1159	-3.5	501	441	3041	2443	407	98	40	11	12	12	8	3	3	0	0	0	0	0	
12:03:58	203	3	1155	-3.4	504	454	3052	2412	442	106	37	11	3	7	8	10	14	8	0	0	0	0	
12:07:04	206	3	859	-3.1	492	435	3089	2422	415	110	44	22	18	12	12	21	14	0	0	0	0	0	
12:10:41	197	3	859	-3.3	507	442	3229	2437	411	119	43	17	17	19	21	24	26	23	9	10	0	0	
12:20:13	186	3	529	-2.9	449	371	3420	2440	437	150	89	77	61	39	36	30	15	14	12	12	0	0	
12:23:32	189	3	210	-2.8	439	336	3359	2443	420	139	67	46	52	45	52	32	25	11	12	20	0	0	
12:26:32	200	3	215	-2.3	434	350	3176	2327	407	135	69	55	43	32	43	31	18	4	4	3	0	0	
12:30:00	188	3	215	-2.7	428	330	3378	2488	425	110	70	40	44	54	51	58	22	11	0	0	0	0	
12:33:33	213	3	215	-2.7	433	357	3032	2453	407	90	33	2	2	0	0	0	0	0	0	0	0	0	

DATE -- 12/19/75

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
09:24:08	96	4	0	-9.5	371	186	6566	5021	958	296	125	25	40	29	22	15	15	11	3	3	3	1	
09:25:30	82	4	21	-9.8	410	201	7573	5762	1098	324	134	66	56	37	20	27	17	10	7	5	3	6	
09:26:53	83	4	23	-9.5	389	208	7662	6002	989	307	125	74	44	32	25	20	15	12	7	4	3	2	
09:28:13	80	4	23	-9.9	648	210	7940	6299	942	323	128	71	57	29	22	23	21	8	6	7	4	2	
09:29:38	85	4	23	-10.0	350	208	7489	5916	946	281	133	65	42	30	26	22	9	11	2	1	5	1	
09:31:10	92	4	38	-10.1	285	214	6968	5291	1069	318	121	57	34	23	15	12	10	8	6	1	2	1	
09:32:44	94	4	38	-9.9	287	220	6764	5274	968	268	115	50	28	12	16	13	8	6	2	3	1	1	
09:34:18	94	4	38	-9.8	304	222	6814	5357	965	261	89	52	28	14	15	10	8	9	3	2	0	1	
09:35:54	96	4	44	-9.8	286	231	6665	5168	971	280	110	57	30	15	9	6	9	3	4	1	1	0	
09:37:31	97	4	54	-9.6	306	245	6552	5098	958	284	96	51	21	11	11	7	5	6	1	2	1	1	
09:39:09	98	4	54	-9.7	307	249	6516	5110	969	262	80	52	19	8	6	7	1	2	1	0	0	0	
09:40:44	95	4	54	-9.7	319	253	6706	5240	936	291	101	49	30	18	14	11	8	7	1	0	0	2	
09:42:16	92	4	54	-9.7	298	257	6940	5452	973	267	106	55	24	18	17	10	12	2	3	1	1	0	
09:43:50	94	4	67	-9.5	307	281	6765	5074	975	301	146	76	62	33	37	23	14	13	5	4	2	0	
09:45:36	106	4	67	-9.2	307	293	6009	4510	912	280	109	58	48	28	24	15	17	2	4	1	1	1	
09:47:30	114	4	67	-9.0	285	301	5579	4149	904	293	111	43	26	17	14	9	6	2	2	1	1	2	
09:49:19	109	4	67	-9.1	287	306	5834	4376	934	277	99	47	32	14	18	16	9	4	4	2	1	1	
09:51:11	112	4	67	-8.8	302	306	5706	4252	920	287	112	43	29	21	17	14	5	3	2	1	0	1	
09:53:10	119	4	45	-8.8	396	281	5372	3721	988	344	150	73	37	17	16	11	8	6	2	1	1	0	
09:54:52	102	4	13	-8.8	389	287	6279	4322	1242	392	160	60	32	21	15	14	7	6	3	3	2	1	
09:56:29	97	4	7	-8.9	489	300	6580	4985	971	336	120	57	34	16	17	14	13	7	2	5	2	1	
09:58:06	97	4	7	-9.0	414	295	6644	5190	942	251	101	54	25	18	17	15	12	8	5	4	2	1	
10:01:18	95	4	15	-8.9	439	300	6683	5078	1049	275	118	61	30	22	19	13	7	5	3	3	1	0	
10:02:54	96	4	15	-8.9	387	309	6656	5125	984	274	114	53	23	27	15	13	13	7	5	1	1	0	
10:04:31	97	4	15	-8.8	365	311	6566	5121	915	253	119	50	30	15	22	19	11	6	1	1	1	1	
10:06:04	93	4	15	-8.8	389	319	6841	5296	933	292	124	63	32	21	24	21	12	10	6	3	1	1	
10:07:37	93	4	15	-8.9	396	330	6858	5334	965	261	115	53	37	23	20	23	10	6	4	2	5	0	
10:10:42	92	4	30	-8.8	388	336	6925	5270	1029	287	132	65	37	24	29	11	15	8	7	6	3	3	
10:12:20	98	4	30	-8.8	391	342	6521	5052	892	276	109	63	39	16	22	14	10	12	3	4	5	3	
10:13:59	99	4	44	-8.7	434	349	6459	4817	1015	286	137	51	38	30	21	18	20	6	10	5	2	2	
10:15:41	102	4	44	-7.8	448	364	6258	4815	861	256	122	68	36	23	15	15	23	10	4	7	3	2	
10:17:22	101	4	44	-8.5	485	363	6289	4826	925	261	103	69	27	16	13	17	13	11	4	2	2	0	
10:19:00	98	4	59	-8.6	336	351	6542	4954	964	295	124	61	41	23	24	15	16	11	7	3	2	2	
10:27:40	115	4	59	-7.6	326	372	5520	4051	943	275	116	46	26	23	14	11	6	5	3	1	1	1	
10:29:23	103	4	59	-7.8	325	373	6211	4678	987	292	115	48	19	25	12	15	7	8	2	1	1	1	
10:31:12	109	4	59	-7.8	328	369	5945	4363	934	313	105	44	24	17	12	12	10	8	1	2	1	0	
10:32:55	103	4	59	-8.3	392	373	6212	4666	985	304	98	55	34	16	11	22	10	3	4	0	2	0	
10:34:56	121	4	32	-8.4	437	363	5278	3530	1062	366	145	66	34	19	21	14	13	5	2	1	2	1	
10:36:55	119	4	5	-8.2	414	373	5378	3563	1105	384	145	64	41	18	17	15	16	5	4	1	2	0	
10:38:40	105	4	7	-8.2	409	376	6047	4559	902	293	109	63	37	18	16	20	12	7	5	4	1	1	
10:40:25	105	4	7	-8.1	429	379	6070	4578	935	283	107	62	31	18	14	16	9	4	5	4	1	1	
10:42:12	107	4	7	-8.0	452	379	5983	4500	914	284	114	62	28	19	20	13	10	11	4	2	1	1	
10:43:59	107	4	0	-8.0	440	390	6023	4301	1064	320	144	65	39	21	20	15	14	7	5	3	4	1	
10:47:35	107	4	14	-7.9	443	387	5962	4477	920	282	116	68	28	20	19	11	8	8	5	1	1	1	
10:49:22	107	4	14	-7.8	442	388	5968	4550	885	265	119	52	29	16	13	13	11	6	3	3	0	2	
10:51:12	110	4	14	-7.8	454	389	5787	4380	899	256	104	50	27	19	14	10	17	6	2	1	2	1	
10:53:01	109	4	17	-7.8	457	393	5849	4435	887	276	104	44	30	14	15	10	13	8	5	2	4	2	
10:54:54	113	4	30	-7.8	442	391	5620	4217	879	286	98	49	27	16	14	12	10	8	2	2	0	1	
10:56:44	110	4	30	-7.8	453	396	5809	4392	928	276	90	45	31	10	16	6	8	3	1	1	1	1	
10:58:39	115	4	30	-7.7	442	394	5565	4213	857	265	102	46	31	11	8	13	7	4	4	1	1	2	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
11:00:40	121	4	44	-7.6	400	393	5246	3943	836	265	101	37	21	12	10	6	7	4	2	2	1	0	
11:02:42	122	4	44	-7.5	480	404	5234	3950	816	266	88	40	24	12	12	12	7	2	3	2	0	1	
11:04:49	127	4	44	-7.1	428	402	5007	3750	811	253	88	50	19	11	8	6	6	3	2	2	0	0	
11:07:01	132	4	44	-7.2	544	413	4829	3580	802	255	93	35	24	10	6	7	7	6	2	1	0	0	
11:09:07	126	4	44	-7.1	535	412	5061	3791	823	248	88	39	26	11	10	7	6	8	1	1	1	1	
11:10:59	112	4	44	-6.7	471	409	5717	4385	833	246	110	57	22	17	17	10	12	5	1	0	1	2	
11:12:49	110	4	55	-6.8	539	408	5840	4456	873	271	105	48	27	16	10	12	9	5	3	2	1	1	
11:14:35	106	4	58	-6.6	490	408	6005	4658	855	268	88	48	30	17	15	7	5	5	5	1	2	1	
11:16:24	109	4	58	-6.6	466	405	5842	4493	843	254	106	51	32	17	14	16	5	6	2	1	2	1	
11:18:13	109	4	58	-6.6	440	404	5835	4495	836	261	100	64	24	19	15	10	4	4	2	0	1	0	
11:19:10	10	4	58	-6.6	439	404	4038	2974	705	224	71	26	26	6	0	6	0	0	0	0	0	0	
11:19:20	10	4	58	-6.6	458	405	3865	2731	686	282	109	38	6	6	6	0	0	0	0	0	0	0	
11:19:30	10	4	58	-6.6	447	405	4096	3026	692	192	83	51	19	0	6	19	0	0	0	0	6	0	
11:19:40	10	4	58	-6.6	429	402	3705	2782	603	199	77	13	19	0	6	0	0	6	0	0	0	0	
11:26:35	153	4	78	-6.4	417	409	4157	3040	718	229	83	36	18	9	5	5	7	3	1	0	0	0	
11:29:31	176	4	78	-6.6	398	403	3616	2641	631	200	75	31	9	7	7	7	3	1	1	1	1	0	
11:32:18	167	4	78	-6.4	406	408	3827	2821	637	210	85	31	14	10	5	5	5	2	2	0	1	0	
11:37:10	151	4	78	-5.7	425	408	4209	3170	660	206	84	37	16	11	6	6	3	4	3	1	1	1	
11:46:08	209	4	107	-6.2	349	408	3044	2233	532	168	56	21	11	4	6	4	4	2	1	0	0	1	
11:48:31	143	4	107	-6.1	340	412	4442	3416	662	217	75	27	15	6	7	5	4	2	2	2	0	1	
11:51:38	187	4	107	-6.0	377	413	3420	2577	544	170	65	29	14	5	6	4	3	2	0	0	0	0	
11:54:21	163	4	107	-6.1	348	409	3894	2950	630	185	74	22	10	8	4	6	3	1	1	0	0	0	
11:57:21	180	4	107	-6.1	365	412	3551	2657	571	189	67	25	13	9	5	7	2	2	1	1	1	1	
12:00:24	183	4	107	-6.1	338	406	3477	2612	576	161	63	23	15	9	5	4	4	1	1	1	1	0	
12:03:47	203	4	75	-4.5	421	412	3142	2227	577	194	70	34	14	9	4	5	3	2	2	0	1	0	
12:06:26	159	4	51	-5.3	554	411	4008	2887	704	239	94	28	20	9	5	7	4	6	2	1	1	1	
12:09:00	154	4	51	-5.1	569	414	4127	3085	689	202	70	35	14	10	7	6	5	1	2	0	1	1	
12:11:45	165	4	51	-5.4	396	397	3848	2821	644	220	80	35	17	8	5	7	3	3	2	1	1	0	
12:14:49	184	4	19	-5.5	405	393	3462	2387	654	236	90	40	22	12	5	6	5	1	2	1	1	0	
12:17:50	181	4	5	-5.2	405	390	3522	2471	648	233	79	38	15	12	6	7	6	5	1	0	0	0	
12:21:18	208	4	5	-4.8	392	393	3056	2179	551	186	71	25	16	6	7	6	4	2	1	1	0	0	
12:24:35	197	4	5	-4.7	388	388	3235	2324	583	190	69	29	12	8	5	4	4	4	1	1	1	1	
12:27:51	196	4	5	-4.7	380	386	3242	2339	570	194	69	26	16	7	5	5	5	2	2	1	1	1	
12:31:16	205	4	5	-4.5	368	387	3108	2215	556	189	72	30	15	9	7	6	3	3	1	1	0	0	
12:34:49	213	4	5	-4.2	380	385	2989	2109	547	187	69	30	14	9	7	6	4	3	1	2	0	0	
12:38:22	213	4	5	-4.3	392	385	2986	2129	539	193	60	26	11	8	5	6	2	2	2	1	1	0	
12:42:00	218	4	5	-4.2	377	384	2919	2082	527	179	67	21	13	10	5	5	3	3	1	1	1	1	
12:49:29	226	4	5	-4.1	371	374	2811	1977	519	178	72	28	10	6	5	4	3	3	2	0	1	1	
12:53:23	234	4	5	-3.8	386	385	2722	1909	503	179	61	28	15	9	4	4	5	2	2	1	0	0	
12:57:17	234	4	5	-3.9	390	379	2714	1880	515	179	72	29	13	8	6	3	2	3	1	1	0	0	
13:01:22	245	4	5	-3.8	375	376	2601	1802	501	170	66	29	10	7	5	4	5	1	1	1	1	1	
13:05:20	238	4	5	-3.8	372	366	2678	1868	501	177	64	28	15	10	4	4	2	2	1	1	1	0	
13:09:13	233	4	5	-4.0	371	363	2735	1920	504	190	59	25	9	10	3	7	3	2	1	1	0	0	
13:13:16	243	4	5	-3.7	375	363	2619	1840	496	162	68	22	8	6	4	5	4	1	2	0	1	0	
13:17:18	242	4	5	-3.5	365	359	2630	1854	490	160	60	31	12	6	4	3	4	2	1	1	0	0	
13:21:18	240	4	36	-4.1	355	355	2645	1846	491	170	75	29	10	7	5	5	4	2	1	0	0	0	
13:25:12	234	4	36	-4.2	356	359	2723	1943	494	172	57	26	12	6	5	5	1	1	1	1	0	0	
13:29:16	244	4	36	-3.8	355	357	2602	1883	453	159	57	21	7	6	6	3	4	1	0	0	1	0	
13:33:38	262	4	36	-3.8	334	340	2424	1745	419	153	61	17	9	7	4	3	4	2	0	0	0	0	
13:38:24	286	4	36	-3.7	348	334	2225	1593	400	131	56	20	6	7	4	3	2	2	1	0	0	0	

DATE -- 12/19/75

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
13:42:54	270	4	36	-3.8	361	347	2357	1698	419	146	49	23	9	5	2	3	1	1	1	0	0	0	
13:57:46	342	4	46	-3.3	331	332	1857	1337	334	112	40	17	5	3	3	3	1	1	1	0	0	0	
14:02:04	258	4	46	-3.3	432	347	2457	1748	454	151	56	21	10	5	3	2	3	1	1	1	1	1	
14:08:02	358	4	59	-3.3	312	299	1774	1254	323	119	41	17	7	5	3	3	1	1	1	1	0	0	
14:13:25	323	4	59	-3.4	350	313	1968	1390	368	126	43	20	8	6	2	2	1	1	0	1	0	0	
14:18:54	329	4	59	-3.4	309	280	1935	1370	356	120	46	16	7	7	4	4	2	1	1	1	0	0	
14:24:49	355	4	59	-3.4	318	258	1790	1268	324	120	44	17	8	4	1	1	2	0	1	0	0	0	
14:30:20	331	4	73	-3.5	329	269	1919	1356	347	129	43	21	7	5	2	3	3	3	0	0	0	0	
14:35:24	304	4	73	-3.4	315	254	2095	1494	373	129	51	20	10	4	2	4	3	1	1	0	0	0	
14:40:32	308	4	73	-3.6	308	226	2063	1476	376	121	47	17	9	4	4	2	3	3	1	1	0	0	
14:45:38	306	4	73	-3.6	279	204	2083	1508	369	123	45	16	9	3	2	3	2	2	0	0	0	0	
14:51:28	350	4	73	-3.9	250	196	1817	1331	318	106	34	16	4	3	1	1	1	1	1	0	0	0	
14:58:05	397	4	73	-3.8	254	171	1601	1153	278	102	38	15	5	4	2	1	1	0	0	0	0	0	
15:04:44	399	4	73	-3.6	265	161	1595	1149	291	96	33	15	5	3	1	1	1	0	0	0	0	0	

DATE -- 12/20/75

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
07:47:53	234	4	0	-3.7	6	2	2717	1976	481	160	54	22	8	4	4	3	1	1	1	1	0	0	
07:51:55	242	4	0	-3.8	8	2	2617	1932	443	149	51	19	9	6	2	1	2	2	0	1	0	0	
07:56:24	269	4	0	-3.8	10	4	2365	1756	384	128	52	18	9	4	2	3	1	3	2	2	0	1	
08:00:54	270	4	2	-4.2	14	4	2355	1743	393	127	47	20	9	4	2	2	3	1	0	1	1	0	
08:05:30	276	4	2	-4.3	19	5	2294	1734	368	111	47	16	7	4	3	2	1	1	0	0	0	0	
08:10:06	276	4	2	-4.2	25	6	2295	1708	384	118	48	19	7	3	1	1	1	1	0	0	0	0	
08:14:24	258	4	11	-4.4	34	7	2455	1852	395	126	46	19	9	1	1	2	1	0	0	0	0	0	
08:18:24	240	4	11	-4.5	42	8	2636	1997	423	131	47	20	8	4	1	2	2	0	1	0	1	0	
08:22:30	246	4	11	-4.5	53	9	2572	1932	417	139	46	20	11	2	2	1	1	1	1	0	0	0	
08:26:44	254	4	27	-4.5	67	12	2505	1856	426	132	53	18	9	3	2	1	2	1	1	1	0	0	
08:31:00	256	4	27	-4.5	83	14	2472	1870	399	123	51	18	6	2	2	2	1	0	0	0	0	0	
08:35:12	252	4	27	-4.5	91	16	2516	1883	412	140	46	20	7	3	1	2	1	1	0	0	0	0	
08:39:30	258	4	41	-4.5	104	18	2450	1848	395	124	49	17	9	2	2	1	1	1	1	0	0	0	
08:52:16	262	4	56	-4.7	147	25	2418	1816	381	133	48	20	11	4	0	1	0	1	2	1	0	0	
08:56:28	252	4	56	-4.7	152	26	2509	1870	417	140	48	18	7	2	3	1	0	0	0	1	1	0	
09:00:38	250	4	56	-4.7	165	28	2541	1914	411	130	48	19	10	3	2	1	1	1	1	0	0	0	
09:05:02	264	4	71	-4.8	165	29	2401	1791	387	133	53	18	8	2	3	3	1	1	0	0	0	0	
09:09:51	289	4	71	-4.7	170	29	2195	1633	357	125	49	16	7	3	2	1	2	0	1	0	0	0	
09:14:11	260	4	71	-4.8	179	31	2441	1843	377	142	41	18	9	3	1	2	2	0	1	0	0	0	
09:18:44	273	4	3	-4.5	178	30	2332	1622	453	142	64	28	9	6	2	1	0	2	1	1	0	0	
09:22:53	249	4	3	-4.4	196	30	2541	1896	430	134	51	18	6	3	1	1	1	0	1	0	0	0	
09:26:56	243	4	3	-4.3	217	36	2601	1944	439	130	50	20	9	3	2	2	1	1	0	1	0	0	
09:30:55	239	4	10	-4.2	244	39	2645	1961	458	141	49	17	10	3	2	2	1	1	0	0	0	0	
09:34:56	241	4	10	-4.2	264	42	2638	1951	448	144	50	22	8	5	2	3	1	2	1	1	1	0	
09:38:50	234	4	10	-4.2	280	44	2708	1990	454	155	53	26	11	7	3	3	1	3	1	1	0	1	
09:47:07	247	4	25	-4.2	326	55	2565	1885	433	147	53	22	9	5	4	3	2	1	1	1	0	0	
09:51:12	245	4	25	-4.1	350	61	2583	1921	423	139	50	21	12	5	4	2	3	1	1	1	0	1	
09:55:23	251	4	42	-4.2	350	74	2517	1846	415	144	62	24	10	4	3	3	2	2	1	0	1	1	
09:59:19	236	4	42	-4.1	410	85	2688	2005	438	149	55	23	7	4	1	2	1	2	0	0	0	1	
10:03:32	253	4	42	-4.1	420	91	2504	1846	431	137	46	19	8	6	3	4	3	2	1	0	0	0	
10:07:53	261	4	56	-4.1	432	101	2428	1775	420	141	51	17	10	4	3	1	2	2	1	0	0	0	
10:12:06	253	4	56	-4.1	435	104	2501	1821	436	148	50	21	9	5	5	3	2	1	1	0	0	0	
10:16:08	242	4	56	-4.1	437	109	2622	1937	425	154	55	23	12	4	4	3	1	1	1	1	1	0	
10:20:24	256	4	73	-4.2	442	114	2478	1796	427	142	56	25	9	7	4	6	3	2	2	1	1	0	
10:24:22	238	4	73	-4.1	454	124	2666	1948	445	154	56	32	11	6	4	4	3	2	3	1	0	0	
10:28:18	236	4	73	-4.0	461	135	2686	1939	477	154	59	24	12	7	4	3	2	2	1	1	1	0	
10:32:39	261	4	27	-3.8	470	145	2425	1683	451	165	62	29	14	5	4	4	4	1	1	1	1	0	
10:36:55	256	4	3	-3.8	473	158	2473	1771	438	155	56	24	12	3	4	3	2	2	2	1	1	0	
10:40:54	239	4	3	-3.4	477	164	2645	1920	458	154	61	23	7	7	4	3	3	3	2	1	0	0	
10:44:59	245	4	3	-3.4	479	171	2589	1901	450	145	52	19	7	3	4	3	2	2	1	0	0	0	
10:48:47	228	4	12	-3.4	483	177	2781	2041	461	164	61	23	10	6	4	3	3	0	1	1	0	1	
10:52:49	242	4	12	-3.4	479	171	2618	1935	440	138	55	24	11	3	5	2	2	2	0	1	0	0	
10:56:44	235	4	12	-3.2	480	175	2701	1974	456	167	55	23	9	4	2	3	3	2	1	1	0	0	
11:00:42	238	4	12	-3.2	480	179	2655	1948	448	158	54	21	12	4	3	3	3	1	1	1	0	0	
11:04:29	227	4	28	-3.2	487	189	2789	2048	469	161	59	25	9	5	4	4	2	1	1	1	0	0	
11:08:25	236	4	28	-3.3	486	187	2684	1983	454	143	58	24	9	4	3	1	2	1	1	0	0	0	
11:12:21	236	4	42	-3.4	485	188	2676	1990	439	149	47	24	8	4	4	4	2	2	1	1	0	0	
11:16:21	240	4	42	-3.4	485	183	2638	1941	447	151	54	20	7	6	2	3	2	2	1	1	0	0	
11:20:32	251	4	42	-3.4	487	191	2523	1830	433	155	57	22	8	4	4	3	2	2	2	0	1	1	
11:24:38	246	4	56	-3.4	487	195	2579	1900	428	146	55	25	9	7	2	3	1	2	1	1	0	0	

DATE -- 12/20/75

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
11:28:42	244	4	56	-3.4	486	190	2592	1918	428	145	58	19	8	3	3	2	2	2	2	1	1	1	
11:32:47	245	4	56	-3.4	486	189	2581	1887	446	143	53	24	10	5	3	3	5	2	0	1	1	1	
11:36:58	251	4	71	-3.3	491	197	2522	1860	432	135	48	23	9	3	3	3	2	2	1	0	0	0	
11:41:00	242	4	71	-3.4	490	200	2618	1934	430	145	54	23	11	6	3	3	2	2	2	1	1	0	
11:45:00	240	4	71	-3.4	495	215	2636	1948	446	144	49	20	11	6	3	3	2	1	1	1	1	0	
12:06:15	242	4	2	-2.9	486	192	2613	1948	431	138	56	19	8	3	2	2	3	0	1	1	0	0	
12:10:12	237	4	2	-2.9	489	198	2673	1967	442	155	59	24	8	3	3	4	3	2	2	1	0	0	
12:14:17	245	4	11	-2.8	492	189	2582	1882	445	151	55	22	9	4	3	4	3	1	1	1	1	0	
12:18:23	246	4	11	-2.6	490	184	2571	1907	427	143	52	22	8	2	3	3	1	2	1	0	0	0	
12:22:30	247	4	11	-2.7	489	183	2566	1911	425	139	46	19	9	4	2	3	3	1	1	0	1	1	
12:26:38	248	4	25	-2.8	489	185	2556	1897	425	133	55	22	7	4	3	3	3	3	1	1	0	0	
12:30:42	244	4	25	-2.8	485	179	2597	1923	437	139	56	23	8	3	2	1	2	2	0	0	0	0	
12:34:55	253	4	25	-2.7	481	169	2504	1862	409	138	52	22	8	4	3	2	1	2	1	0	1	0	
12:39:12	257	4	41	-2.9	474	166	2468	1849	390	130	50	23	10	4	3	1	3	2	1	1	0	0	
12:43:26	254	4	41	-2.9	479	172	2497	1869	403	137	51	19	7	4	2	2	2	1	1	1	0	0	
12:47:33	247	4	41	-2.9	478	172	2559	1894	419	150	51	23	10	2	2	2	2	2	1	1	0	1	
12:51:39	246	4	56	-2.9	473	163	2567	1887	435	149	57	17	8	4	4	1	1	1	2	1	2	0	
12:55:41	242	4	56	-2.9	475	165	2620	1959	434	135	50	23	6	4	2	2	2	2	1	0	0	0	
12:59:44	243	4	56	-2.9	470	155	2604	1963	412	146	47	20	7	3	2	2	1	1	0	0	0	0	
13:03:41	237	4	71	-2.8	461	143	2676	2022	428	138	51	18	7	2	2	3	1	1	1	1	0	0	
13:07:30	229	4	71	-2.9	460	140	2763	2117	429	125	50	25	4	3	2	2	2	1	1	1	1	0	
13:11:14	224	4	71	-3.0	461	141	2837	2191	442	124	47	18	6	2	2	1	1	1	1	0	0	0	
13:15:48	274	4	2	-2.4	463	142	2309	1552	368	307	44	17	9	2	2	4	1	1	1	0	1	0	
13:19:59	251	4	3	-2.2	452	129	2535	1923	402	128	45	18	7	3	3	2	1	1	1	1	0	1	
13:24:07	248	4	3	-2.2	437	113	2552	1906	426	134	42	21	9	4	3	2	2	2	0	0	1	0	

DATE -- 02/21/76

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
							PARTICLES PER CC (X 10)																
08:14:20	20	3	95	-3.3	398	107	7599	5265	1250	437	314	221	10	3	0	10	0	0	0	0	0	0	1
08:14:40	20	3	95	-3.3	401	105	7708	5359	1260	484	311	266	22	3	0	0	3	0	0	0	0	0	
08:15:00	20	3	95	-3.4	407	100	7314	4917	1138	551	397	304	6	0	0	0	0	0	0	0	0	0	
08:15:20	20	3	95	-3.5	403	100	7452	4923	1125	558	375	455	16	6	3	0	0	0	0	0	0	0	
08:15:40	20	3	95	-3.7	408	101	7176	4638	1112	641	391	372	10	0	10	3	0	0	0	0	0	0	
08:16:00	20	3	95	-3.7	412	102	7401	4718	1115	693	417	433	26	3	6	0	0	0	0	0	0	0	
08:16:20	20	3	95	-3.8	414	105	6705	4365	1000	503	397	481	16	10	0	0	3	0	0	0	0	0	
08:16:40	20	3	95	-3.7	414	105	7259	4557	1010	997	463	446	13	0	3	3	3	0	0	0	0	0	
08:17:00	20	3	95	-3.7	414	106	6821	4501	981	558	340	372	6	3	0	0	0	0	0	0	0	0	
08:17:20	20	3	95	-3.6	410	105	7321	4310	1043	587	401	355	16	0	3	0	0	0	0	0	0	0	
08:17:40	20	3	95	-3.6	417	105	7157	4760	1147	554	365	292	19	6	0	6	0	0	0	0	0	0	
08:24:20	20	3	295	-3.6	405	95	6353	3937	375	542	420	443	43	10	6	3	3	0	0	0	0	0	
08:26:00	60	3	295	-3.6	391	89	6363	3985	554	557	305	419	58	4	2	0	0	0	0	0	0	0	
08:29:00	60	3	595	-3.7	395	83	5858	2335	301	730	701	300	328	12	17	19	13	0	2	0	0	0	
08:32:00	60	3	895	-4.4	404	83	8671	871	873	1281	1277	1835	1103	131	134	371	424	64	54	88	42	24	
08:35:00	60	3	1195	-4.4	409	103	10715	632	626	922	923	993	675	216	454	1795	2213	463	283	373	176	59	
08:37:51	51	3	1495	-4.7	413	130	12518	551	544	726	674	769	534	229	494	2188	2877	706	719	939	342	185	
08:41:00	60	3	1775	-4.7	445	197	8577	736	717	790	723	303	506	105	189	737	1134	404	464	751	284	260	2
08:45:00	60	3	2075	-5.0	453	259	9331	829	658	858	792	651	573	151	225	744	1090	443	573	813	405	335	
08:46:00	60	3	2075	-5.0	453	259	9552	397	674	555	596	554	391	128	244	904	1375	626	662	967	559	340	
08:47:00	60	3	2075	-5.0	453	265	7827	1015	371	813	650	571	342	89	152	600	754	295	388	678	341	268	
08:47:40	20	3	2070	-5.0	450	272	10353	1255	369	355	369	304	596	119	208	657	1135	465	583	313	532	292	
08:48:20	20	3	1980	-5.0	455	272	7462	824	692	609	692	747	303	115	179	503	892	362	365	542	333	301	
08:48:40	20	3	1900	-5.0	453	224	8531	953	330	327	750	773	506	125	157	509	824	321	490	814	391	250	
08:49:00	20	3	1810	-5.0	450	200	10048	1321	1192	1003	930	662	529	147	173	635	962	385	471	856	375	308	
08:49:20	20	3	1720	-5.0	447	192	9744	1147	1010	1045	772	759	431	144	205	660	958	417	583	827	417	308	
08:49:40	20	3	1640	-4.8	442	174	7355	484	407	506	481	410	394	87	144	923	1423	455	497	1032	513	189	
08:50:00	20	3	1550	-4.7	437	157	7362	531	380	734	560	859	533	90	141	724	904	397	429	660	330	228	
08:50:20	20	3	1460	-4.6	434	144	8183	626	590	696	673	740	528	67	154	715	1083	385	394	769	455	202	
08:50:40	20	3	1330	-4.5	427	126	8533	689	595	911	673	944	437	147	212	929	1333	431	417	705	314	135	
08:51:00	20	3	1290	-4.6	422	115	8186	811	762	744	740	1071	576	109	157	635	1000	260	260	615	234	93	
08:51:20	20	3	1210	-4.5	412	103	7732	506	519	324	330	1026	702	90	163	615	917	304	240	481	247	119	
08:51:40	20	3	1120	-4.6	407	103	9394	686	603	1030	1025	1083	988	135	231	1045	1208	378	237	349	202	93	
08:52:00	20	3	1030	-4.5	401	93	8528	613	593	1019	1080	1301	930	144	231	798	1033	202	202	375	115	45	
08:52:20	20	3	950	-4.4	381	83	9240	619	574	1035	1067	1013	930	272	298	1192	1544	321	96	167	93	19	
08:52:40	20	3	850	-4.5	362	63	7326	920	769	929	1040	1305	378	109	112	452	705	141	109	61	51	29	
08:53:00	20	3	780	-4.5	366	70	7474	1112	789	1054	1144	1458	1054	99	99	192	304	48	35	20	42	16	
08:53:20	20	3	690	-4.3	385	75	6775	1256	808	1083	1032	1505	737	54	71	115	71	0	15	10	3	3	
08:53:40	20	3	610	-4.1	395	82	6353	2077	911	849	837	1163	478	26	32	42	35	0	0	3	0	0	
08:54:00	20	3	520	-4.0	401	84	5804	2644	772	731	641	737	231	19	5	13	10	0	0	0	0	0	
08:54:20	20	3	430	-4.0	399	84	6038	3000	933	683	559	724	106	10	10	6	10	0	0	0	0	0	
08:54:40	20	3	350	-3.9	396	85	5744	3340	878	558	391	516	42	3	3	10	3	0	0	0	0	0	
08:55:00	20	3	260	-3.8	392	30	6433	3933	338	309	417	471	38	3	13	5	0	0	0	0	0	0	
08:55:20	20	3	170	-3.8	388	85	5926	3873	388	474	317	337	10	3	6	3	3	0	0	0	0	0	
08:55:40	20	3	90	-3.7	383	83	6234	4154	959	519	337	359	3	3	0	0	0	0	0	0	0	0	
08:56:00	20	3	90	-3.6	385	80	6138	4215	917	372	301	317	5	0	10	0	0	0	0	0	0	0	
08:56:20	20	3	95	-3.4	381	70	6304	4352	1013	338	285	240	10	0	3	3	0	0	0	0	0	0	
09:00:00	60	2	95	-3.1	404	71	5472	4216	1103	91	0	0	0	0	0	0	0	0	0	0	0	0	3
09:03:00	60	2	295	-3.7	416	94	7533	5493	1703	311	12	2	0	0	0	0	0	0	0	0	0	0	
09:06:00	60	2	595	-4.1	414	92	8277	5527	1809	721	24	30	3	3	0	0	0	0	0	0	0	0	

DATE -- 02/21/70

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
09:09:00	00	2	890	-4.4	424	37	7339	2047	1730	1362	90	442	118	168	53	123	57	38	30	36	20	12	
09:11:54	54	2	1190	-4.2	435	120	11760	1000	1388	1075	981	3180	1040	719	106	113	23	30	9	9	1	0	
09:15:00	00	2	1490	-4.7	464	213	10239	1395	1202	872	453	2553	308	1125	351	535	163	245	93	59	48	29	
09:19:00	00	2	1770	-4.4	459	311	8261	1114	1042	755	417	1072	576	830	284	450	200	290	125	95	54	46	
09:20:00	00	2	1770	-4.5	451	302	8559	942	960	804	270	1532	352	748	260	437	170	254	110	79	42	31	
09:22:00	00	2	1770	-4.5	457	330	8413	1250	988	851	245	1008	302	431	207	371	130	253	103	96	59	48	
09:24:00	00	2	1770	-3.8	450	330	4504	1093	800	359	102	593	314	401	205	306	95	208	53	38	10	16	
09:24:40	20	2	1770	-4.2	460	320	4028	1440	467	321	90	408	200	372	90	280	125	160	51	16	35	10	
09:25:00	20	2	1530	-4.4	464	332	8721	1228	703	452	120	715	324	537	109	487	237	236	115	103	54	38	
09:25:20	20	2	1570	-4.4	475	270	8803	1144	747	408	167	859	290	535	228	404	109	330	100	67	32	48	
09:25:40	20	2	1430	-4.8	470	260	8039	1425	1407	1071	199	1053	382	822	304	551	234	458	157	147	42	51	
09:26:00	20	2	1400	-4.8	480	242	8814	1510	1302	908	210	1173	417	817	385	673	324	558	128	170	64	64	4
09:26:20	20	2	1370	-4.8	482	240	8901	1404	1715	1478	212	1018	488	819	260	571	232	420	157	122	67	54	
09:26:40	20	2	1270	-4.8	482	214	9978	1670	2172	1859	301	1205	397	819	298	490	237	401	109	135	35	51	
09:27:00	20	2	1190	-4.8	480	200	8920	1712	1872	1500	215	933	301	512	240	442	133	343	123	112	87	51	
09:27:20	20	2	1110	-4.8	476	190	7880	1950	1651	1292	131	795	204	391	162	273	151	244	115	103	67	35	
09:27:40	20	2	1070	-4.9	471	179	8039	2010	2330	1812	304	1033	237	343	144	270	93	288	103	135	49	57	
09:28:00	20	2	990	-4.8	470	167	7812	1917	1941	1540	247	910	237	511	163	288	141	189	93	87	22	26	
09:28:20	20	2	890	-4.8	468	151	8737	2178	1239	984	131	503	200	253	151	276	144	212	77	80	90	32	
09:28:40	20	2	810	-4.8	465	130	8180	2440	2224	1718	231	574	101	151	87	170	119	119	58	74	29	29	
09:29:00	20	2	740	-4.7	462	135	7292	2703	1350	1343	128	333	33	173	122	183	87	122	43	51	13	26	
09:29:20	20	2	660	-4.6	459	131	7519	2641	1397	1508	45	359	122	202	74	183	90	10^6	45	35	16	19	
09:29:40	20	2	590	-4.5	455	128	7554	2780	1333	1724	120	321	128	157	58	112	7_1	99	58	32	22	19	
09:30:00	20	2	520	-4.5	454	124	7801	3770	1905	1449	80	151	98	54	22	71	13	45	32	29	19	6	
09:30:20	20	2	440	-4.5	452	124	7933	3407	2133	1573	167	272	42	45	25	22	16	35	16	10	0	13	
09:30:40	20	2	370	-4.4	450	120	7554	4202	1385	1100	61	108	19	26	22	13	3	10	0	16	6	0	
09:31:00	20	2	290	-4.4	449	120	8058	5037	1904	313	35	74	16	3	3	3	3	6	6	3	0	0	
09:31:20	20	2	220	-4.3	451	127	7715	5827	1556	311	3	13	0	0	0	0	3	0	0	0	0	0	
09:31:40	20	2	150	-4.2	451	131	7459	5631	1551	250	13	3	0	0	0	0	0	0	0	0	0	0	
09:32:00	20	2	70	-4.1	451	144	6683	5095	1304	102	0	3	0	0	0	0	0	0	0	0	0	0	
09:32:20	20	2	00	-4.0	450	180	6974	5253	1543	151	10	6	0	0	0	0	0	0	0	0	0	0	
09:36:00	60	1	00	-3.6	447	130	5305	5310	31	5	0	0	0	0	0	0	0	0	0	0	0	0	
09:37:00	60	1	00	-3.4	449	132	5241	5203	26	7	0	0	0	0	0	0	0	0	0	0	0	0	
09:42:00	60	1	200	-3.8	441	110	5157	5091	55	11	0	0	0	0	0	0	0	0	0	0	0	0	
09:45:00	60	1	520	-4.2	447	116	8137	3760	230	95	19	7	7	1	3	2	0	0	1	0	1	0	
09:48:00	60	1	800	-4.3	457	124	9091	7230	462	899	210	190	116	61	50	25	10	2	0	1	0	0	
09:51:00	60	1	1130	-4.5	464	153	3412	3574	949	2303	673	348	222	111	89	46	21	5	1	2	0	0	
09:54:00	60	1	1480	-4.6	475	211	7721	2388	703	1980	1001	749	454	215	118	53	25	20	6	2	1	0	5
09:55:00	30	1	1490	-4.6	478	221	9535	2447	500	1400	837	527	470	205	112	46	25	10	5	1	1	0	
09:56:00	60	1	1480	-4.5	477	200	6413	2443	407	1238	830	568	434	200	97	60	19	11	4	1	1	0	
09:57:00	60	1	1430	-4.5	477	200	8051	2275	839	2495	1155	512	330	169	93	41	19	11	1	4	0	1	
09:57:40	20	1	1490	-4.4	476	209	6519	1984	551	1814	340	532	365	212	87	29	16	10	3	0	0	0	
09:58:00	20	1	1400	-4.5	475	195	7112	2737	567	1292	837	763	478	208	99	74	22	3	3	0	10	0	
09:58:20	20	1	1330	-4.4	475	179	9205	3817	321	1000	592	925	404	176	33	54	22	6	0	0	0	3	
09:58:40	20	1	1260	-4.3	469	168	8599	3141	474	1189	724	404	256	202	58	29	13	16	0	3	0	0	
09:59:00	20	1	1180	-4.3	465	154	8635	2734	301	1654	577	453	244	125	61	10	22	6	3	0	0	0	
09:59:20	20	1	1110	-4.4	461	145	8782	3436	577	1234	747	378	207	96	45	22	6	0	0	3	0	0	
09:59:40	20	1	1030	-4.4	459	132	7455	3827	750	1593	513	272	173	83	42	16	6	3	0	0	3	0	
10:00:00	20	1	960	-4.2	457	126	8035	3962	1544	2022	237	87	35	22	19	3	0	3	0	0	0	0	
10:00:20	20	1	890	-4.2	456	123	8115	5391	1042	1434	130	32	10	6	3	0	3	0	0	0	0	0	

DATE -- 02/21/76

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
10:00:40	20	1	810	-4.2	455	120	8247	7042	651	487	22	10	16	13	0	2	0	0	0	0	0	0	
10:01:00	20	1	740	-4.2	454	125	7314	5340	304	151	17	2	0	6	0	0	0	0	0	0	0	0	
10:01:20	20	1	660	-4.1	457	125	5340	5162	121	45	0	0	0	0	0	0	0	0	0	0	0	0	
10:01:40	20	1	590	-3.9	458	132	4074	3992	32	29	0	0	0	0	0	0	0	0	0	0	0	0	
10:02:00	20	1	520	-3.9	458	134	2878	2814	51	13	0	0	0	0	0	0	0	0	0	0	0	0	
10:02:20	20	1	440	-3.8	458	133	3074	2965	30	16	0	0	0	0	0	0	0	0	0	0	0	3	
10:02:40	20	1	370	-3.7	460	142	1875	1840	20	3	0	0	0	0	0	0	0	0	0	0	0	0	
10:03:00	20	1	290	-3.6	464	147	1375	1317	54	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:03:20	20	1	220	-3.6	463	156	1372	1353	16	3	0	0	0	0	0	0	0	0	0	0	0	0	
10:03:40	20	1	150	-3.4	456	140	1128	1090	20	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:04:00	20	1	70	-3.3	468	142	978	950	10	3	0	0	0	0	0	0	0	0	0	0	0	0	
10:14:00	60	1	00	-2.9	472	156	1402	1402	19	1	0	0	0	0	0	0	0	0	0	0	0	0	
10:21:00	60	1	200	-3.4	423	101	2723	2682	38	1	2	0	0	0	0	0	0	0	0	0	0	0	
10:30:20	20	1	75	-3.1	435	60	1206	1240	13	3	0	0	0	0	0	0	0	0	0	0	0	0	
10:30:40	20	1	120	-3.1	447	131	1278	1269	3	3	0	0	0	0	0	0	0	0	0	0	0	0	6
10:31:00	20	1	190	-3.1	454	125	1439	1423	10	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:31:20	20	1	250	-3.4	454	120	1831	1808	20	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:31:40	20	1	320	-3.3	463	133	1533	1547	28	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:32:00	20	1	390	-3.4	469	140	2276	2240	32	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:32:20	20	1	440	-3.4	473	157	2324	2282	32	10	0	0	0	0	0	0	0	0	0	0	0	0	
10:32:40	20	1	510	-3.3	463	167	2703	2715	35	10	2	0	0	0	0	0	0	0	0	0	0	0	
10:33:00	20	1	570	-3.4	486	172	2878	2917	54	8	0	0	0	0	0	0	0	0	0	0	0	0	
10:33:20	20	1	640	-3.4	487	171	4500	4332	128	28	0	2	2	0	3	0	0	0	0	0	0	0	
10:33:40	20	1	700	-3.5	486	167	4276	3824	221	123	35	32	19	6	3	0	0	3	0	0	0	0	
10:34:00	20	1	760	-3.4	479	151	4474	3817	272	144	35	20	20	32	13	3	0	3	0	0	0	0	
10:34:20	20	1	830	-3.6	467	151	6115	5474	330	160	32	42	30	22	6	3	0	3	0	0	0	0	
10:34:40	20	1	890	-3.6	443	111	8346	7590	433	240	20	15	32	17	6	3	0	3	0	0	0	0	
10:35:00	20	1	950	-3.6	428	103	8346	7280	538	307	48	35	20	13	6	13	0	3	0	0	0	0	
10:35:20	20	1	1020	-3.7	425	104	8482	8554	342	801	90	54	58	25	10	10	0	6	0	0	0	0	
10:35:40	20	1	1090	-3.8	442	111	8535	5033	1167	1252	180	30	35	28	19	20	6	0	0	0	0	0	
10:36:00	20	1	1150	-3.9	450	132	8708	5304	436	307	170	135	93	51	35	45	26	12	3	0	0	0	
10:36:20	20	1	1180	-3.8	478	163	7103	5474	394	442	247	192	151	93	42	25	6	16	10	3	0	0	
10:36:40	20	1	1200	-3.9	490	184	5923	4292	240	452	234	272	122	98	61	10	20	12	3	0	0	0	
10:37:00	20	1	1250	-4.0	499	200	5494	4545	420	529	244	304	109	115	84	48	19	3	0	3	0	0	
10:37:20	20	1	1330	-3.9	501	214	5990	4103	378	497	272	209	228	80	77	54	19	10	3	0	0	0	
10:38:20	60	1	1375	-3.8	489	139	9989	4873	408	510	294	283	235	130	95	38	17	10	1	0	1	1	
10:39:20	60	1	1335	-4.0	473	163	7500	4950	611	845	348	208	189	80	80	32	17	12	5	0	1	1	
10:41:10	20	1	1335	-3.9	495	198	6503	4636	391	551	312	136	190	131	77	22	22	19	3	3	3	3	
10:41:30	20	1	1240	-3.9	492	186	8705	4862	352	474	324	210	205	131	42	48	22	6	13	0	3	3	
10:41:50	20	1	1150	-3.9	493	177	7516	5785	356	430	234	221	183	119	54	54	26	6	3	0	3	0	
10:42:10	20	1	1060	-3.8	492	173	7238	5905	340	321	215	197	90	90	35	22	16	13	0	0	3	0	
10:42:30	20	1	980	-3.8	492	169	7821	6808	372	200	87	90	90	51	13	32	0	6	3	0	0	0	
10:42:50	20	1	890	-3.8	490	163	3446	9595	753	902	54	35	10	10	6	13	0	0	3	0	0	0	
10:43:10	20	1	800	-3.7	488	160	7920	7272	317	170	45	20	20	10	10	10	6	3	0	0	0	0	
10:43:30	20	1	710	-3.7	484	157	6564	5107	202	112	32	13	10	6	6	0	3	0	0	0	0	0	
10:43:50	20	1	620	-3.7	483	157	5002	4840	131	42	3	0	0	0	0	0	0	0	0	0	0	0	
10:44:10	20	1	530	-3.7	484	158	4335	4295	37	3	0	0	0	0	0	0	0	0	0	0	0	0	
10:44:30	20	1	440	-3.6	484	160	3115	3081	46	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:44:50	20	1	350	-3.7	481	159	2901	2843	43	10	3	0	0	0	0	0	0	0	0	0	0	0	
10:45:10	20	1	270	-3.6	475	154	2442	2404	20	10	0	0	0	0	0	0	0	0	0	0	0	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH11	CH12	CH13	CH14	CH15	NOTE
10:45:30	20	1	190	-3.5	472	153	1753	1750	13	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:45:50	20	1	90	-3.4	472	154	1744	1715	26	3	0	0	0	0	0	0	0	0	0	0	0	0	
10:46:10	20	1	00	-3.4	472	150	1535	1516	19	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:49:30	20	2	05	-2.9	408	89	5080	4087	930	58	0	0	0	0	0	0	0	0	0	0	0	0	
10:49:50	20	2	120	-2.9	393	73	5199	4132	971	32	7	0	0	0	0	0	0	0	0	0	0	0	
10:50:10	20	2	250	-3.2	397	77	6179	4795	1269	109	6	0	0	0	0	0	0	0	0	0	0	0	
10:50:30	20	2	380	-3.2	395	77	6298	4962	1209	128	0	0	0	0	0	0	0	0	0	0	0	0	
10:50:50	20	2	510	-3.2	393	72	7135	5487	1455	186	0	6	0	0	0	0	0	0	0	0	0	0	
10:51:10	20	2	640	-3.2	390	71	7391	5542	1519	314	0	15	0	0	0	0	0	0	0	0	0	0	
10:51:30	20	2	750	-3.4	395	70	8135	5985	1689	449	19	13	0	0	0	0	0	0	0	0	0	0	
10:51:50	20	2	890	-3.6	398	74	8622	5651	1974	925	32	38	0	0	0	0	0	0	0	0	0	0	
10:52:10	20	2	1010	-3.8	418	83	9728	3613	2657	1904	420	985	48	13	0	0	0	0	0	0	3	0	
10:52:30	20	2	1140	-4.0	432	91	9131	2503	2622	1368	420	1030	160	103	42	54	35	33	22	13	13	3	
10:52:50	20	2	1250	-3.8	446	110	6058	2670	1077	693	109	819	144	205	93	157	97	144	28	35	22	10	
10:53:10	20	2	1400	-4.0	453	127	7208	2953	1359	1091	109	933	247	289	109	203	83	112	45	32	28	16	
10:53:30	20	2	1520	-4.0	474	166	6663	2013	1301	1080	87	947	352	334	115	270	96	176	82	74	40	19	
10:53:50	20	2	1650	-3.8	482	251	7571	2013	1505	1343	170	921	279	397	157	292	83	228	67	48	32	26	
10:54:10	20	2	1770	-3.8	481	342	6978	1843	1442	1224	125	747	210	385	154	330	96	215	83	59	35	22	
10:54:30	20	2	1770	-3.8	484	369	8112	1949	1513	1220	311	1482	356	490	135	244	99	183	33	61	29	26	
10:54:50	20	2	1770	-3.8	488	369	8209	1290	1321	1019	529	3327	542	542	131	220	83	141	49	49	35	13	7
10:55:10	20	2	1770	-3.8	490	374	8560	1240	1119	1141	574	2737	351	300	154	311	99	135	51	26	10	13	
10:55:30	20	2	1690	-4.0	494	356	8408	1342	1304	986	404	2378	596	989	135	260	90	125	51	51	39	26	
10:55:50	20	2	1600	-4.1	499	314	10571	1270	1373	1192	379	3580	349	731	199	276	74	157	67	48	39	19	
10:56:10	20	2	1520	-4.2	499	258	10307	1769	1974	1824	497	3077	478	542	170	395	110	247	96	87	54	10	
10:56:30	20	2	1430	-4.0	494	233	9035	1747	2179	1593	321	1436	353	471	144	317	112	199	71	33	32	22	
10:56:50	20	2	1350	-4.1	491	209	10869	1407	1439	1202	574	3849	1087	910	144	157	32	45	22	10	10	3	
10:57:10	20	2	1260	-4.2	491	203	12250	1221	1474	1230	1016	5554	1026	703	90	43	13	6	3	3	0	0	
10:57:30	20	2	1180	-4.1	491	182	12997	1571	1703	1599	1032	5349	807	529	96	103	17	22	3	3	3	3	
10:57:50	20	2	1100	-4.2	492	174	9103	2623	2275	1910	272	1115	203	340	54	157	43	51	22	10	0	0	
10:58:10	20	2	1010	-4.0	492	167	9907	4045	2981	2032	394	779	45	19	3	10	0	13	0	3	0	0	
10:58:30	20	2	930	-4.0	491	167	9123	5734	2045	1224	58	64	3	0	0	0	0	0	0	0	0	0	
10:58:50	20	2	840	-3.9	491	170	8744	5051	1747	872	22	42	0	0	0	3	0	0	0	0	0	0	
10:59:10	20	2	750	-4.0	493	174	9176	3612	1356	973	22	13	0	0	0	0	0	0	0	0	0	0	
10:59:30	20	2	670	-3.9	494	177	8822	6122	1859	906	22	10	3	0	0	0	0	0	0	0	0	0	
10:59:50	20	2	590	-3.9	495	180	3719	5619	1628	452	6	13	0	0	0	0	0	0	0	0	0	0	
11:00:10	20	2	510	-3.8	494	180	7401	5801	1429	154	10	6	0	0	0	0	0	0	0	0	0	0	
11:00:30	20	2	420	-3.8	495	191	7455	5702	1538	212	0	3	0	0	0	0	0	0	0	0	0	0	
11:00:50	20	2	340	-3.6	496	191	6662	5157	1375	128	0	3	0	0	0	0	0	0	0	0	0	0	
11:01:10	20	2	250	-3.6	496	198	6335	4971	1292	109	10	3	0	0	0	0	0	0	0	0	0	0	
11:01:30	20	2	170	-3.6	496	200	6135	4760	1280	80	6	0	0	0	0	0	0	0	0	0	0	0	
11:01:50	20	2	80	-3.6	497	215	5731	4513	1157	84	0	0	0	0	0	0	0	0	0	0	0	0	
11:02:10	20	2	00	-3.2	115	131	5013	3981	990	42	3	3	0	0	0	0	0	0	0	0	0	0	
11:10:00	20	3	00	-2.7	498	204	8474	4808	945	356	234	121	0	0	0	0	0	0	0	0	0	0	
11:10:20	20	3	100	-2.9	499	207	8782	4907	1131	359	213	157	3	3	0	0	0	0	0	0	0	0	
11:10:40	20	3	210	-2.9	499	201	8571	4647	1080	436	224	176	3	0	3	0	0	0	0	0	0	0	
11:11:00	20	3	320	-3.0	498	198	8352	4943	1087	453	250	136	3	0	0	3	0	0	0	0	0	0	
11:11:20	20	3	420	-3.2	499	191	8522	4542	922	490	292	256	10	0	0	3	0	0	0	0	0	0	
11:11:40	20	3	520	-3.4	499	185	7077	4837	1030	431	343	235	19	3	0	0	0	0	0	0	3	0	
11:12:00	20	3	640	-3.5	499	182	8923	4333	1090	571	440	417	45	0	10	0	0	0	0	0	0	0	
11:12:20	20	3	740	-3.5	497	176	7151	4724	1074	554	362	404	26	3	0	3	0	0	0	0	0	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
11:12:40	20	3	840	-3.6	497	173	7061	4234	994	712	513	497	108	6	0	0	0	0	0	0	0	0	
11:13:00	20	3	950	-3.6	497	172	6946	3519	923	589	554	837	195	13	6	3	15	0	0	0	0	0	
11:13:20	20	3	1060	-3.6	498	169	7106	2904	949	808	775	904	584	16	10	22	51	0	0	3	0	0	
11:13:40	20	3	1160	-3.8	499	175	6958	2093	855	958	891	1167	841	84	58	95	128	3	0	3	0	3	
11:14:00	20	3	1260	-3.8	499	180	6692	1304	750	985	917	1115	782	81	90	231	247	87	32	71	32	19	
11:14:20	20	3	1390	-4.0	498	189	10974	843	732	1345	1505	1537	1401	234	282	935	1235	272	93	179	74	99	
11:14:40	20	3	1480	-4.1	497	182	13019	756	731	1404	1539	1814	1314	375	513	1670	2004	308	144	244	99	54	
11:15:20	20	3	1480	-4.2	485	159	9551	979	845	1256	1380	1515	1234	99	170	533	651	135	173	205	112	42	
11:15:40	20	3	1490	-4.2	470	147	9812	1125	897	814	702	888	488	61	61	340	605	106	125	257	90	42	
11:16:00	20	3	1480	-4.3	475	143	8535	1179	897	1144	979	1324	913	74	88	522	533	136	131	260	99	51	
11:16:20	20	3	1490	-4.3	473	137	8013	1128	1013	1058	948	1110	590	92	135	542	670	131	144	288	74	74	
11:16:40	20	3	1480	-4.3	475	143	8263	1205	1080	1122	1025	1337	807	87	88	372	485	138	119	189	87	45	
11:17:00	20	3	1480	-4.3	477	157	10056	718	875	1413	1571	1917	1462	215	295	853	1010	141	109	269	71	48	
11:17:20	20	3	1480	-4.3	485	168	8077	830	798	934	1045	1356	974	99	93	458	609	151	147	278	102	74	8
11:17:40	20	3	1490	-4.3	490	180	9583	976	867	1208	1330	1622	1128	103	141	522	691	192	119	317	99	77	
11:18:00	20	3	1490	-4.2	490	200	6359	1131	763	865	820	735	389	54	87	423	510	150	115	260	128	80	
11:18:20	20	3	1480	-4.2	504	194	7179	1346	1038	848	694	843	542	64	77	550	484	122	154	221	135	54	
11:18:40	20	3	1390	-4.2	504	185	6128	1378	721	792	760	732	469	25	87	292	429	108	54	151	59	38	
11:19:00	20	3	1300	-4.1	502	178	7939	1212	1029	1003	1110	1074	1090	38	54	244	244	90	35	109	74	26	
11:19:20	20	3	1220	-4.0	501	173	7509	1510	1051	1061	1022	1343	865	35	32	147	103	35	22	58	28	13	
11:19:40	20	3	1130	-4.0	499	171	7298	1801	923	971	1151	1199	965	48	45	77	64	19	9	12	10	0	
11:20:00	20	3	1040	-3.8	498	170	7221	2006	1067	952	853	1058	693	45	35	64	61	6	0	3	0	0	
11:20:20	20	3	950	-3.8	497	171	6596	2755	904	804	744	910	397	13	19	10	32	0	0	0	0	0	
11:20:40	20	3	870	-3.8	496	171	6689	3712	936	599	533	657	223	0	6	3	10	0	0	0	0	0	
11:21:00	20	3	790	-3.8	495	173	6375	3596	850	635	554	564	154	6	3	6	0	0	0	0	0	0	
11:21:20	20	3	690	-3.6	495	174	6955	4670	868	526	340	337	23	6	3	3	3	0	0	0	0	0	
11:21:40	20	3	610	-3.7	496	174	8987	4676	1012	551	365	365	18	0	0	0	0	0	0	0	0	0	
11:22:00	20	3	530	-3.6	496	175	7385	4872	1221	537	317	343	38	0	0	0	0	0	0	0	0	0	
11:22:20	20	3	440	-3.6	496	175	6721	4801	917	446	250	282	19	0	0	6	0	0	0	0	0	0	
11:22:40	20	3	350	-3.4	496	183	7205	5093	1105	420	303	255	0	0	0	3	0	0	0	0	0	0	
11:23:00	20	3	260	-3.4	497	178	8974	5093	1000	417	244	198	12	6	6	0	0	0	0	0	0	0	
11:23:20	20	3	180	-3.3	497	181	6856	5083	1029	337	234	173	0	0	0	0	0	0	0	0	0	0	
11:23:40	20	3	90	-3.2	497	184	7327	5266	1298	340	224	179	12	0	0	3	3	0	0	0	0	0	
11:24:00	20	3	00	-3.1	497	143	6551	4734	1103	401	173	131	3	0	0	0	0	0	0	0	0	0	
11:25:00	20	4	00	-2.8	494	186	5014	3811	901	391	208	128	135	122	115	3	0	0	0	0	0	0	
11:25:20	20	4	120	-2.8	494	182	5452	3564	769	346	202	183	154	125	109	10	3	0	0	0	0	0	
11:25:40	20	4	240	-2.9	494	179	5356	3788	849	401	256	187	151	144	87	3	0	3	0	6	0	0	
11:26:00	20	4	370	-2.9	494	192	5301	3285	724	311	275	202	218	125	133	13	0	0	0	3	0	0	
11:26:20	20	4	490	-2.9	494	177	5356	3081	768	407	304	231	162	189	179	20	3	0	0	0	0	3	
11:26:40	20	4	610	-2.9	493	173	5247	2905	747	394	337	205	173	170	203	42	0	0	3	3	3	0	
11:27:00	20	4	740	-2.9	492	168	5330	2782	760	423	369	272	253	218	187	83	3	0	0	0	0	0	
11:27:20	20	4	860	-3.1	489	169	5361	2580	753	429	365	343	247	272	234	125	9	3	0	6	10	0	
11:27:40	20	4	990	-3.1	489	169	5510	2233	737	590	349	317	372	324	311	180	0	0	0	0	0	0	
11:28:00	20	4	1110	-3.1	488	162	5808	1705	830	556	510	490	439	398	446	305	10	6	13	10	13	10	
11:28:20	20	4	1230	-3.1	490	153	5599	1350	772	606	433	431	497	311	471	551	43	0	6	0	19	29	
11:28:40	20	4	1350	-3.2	491	170	7077	891	878	770	590	929	993	941	740	1028	103	29	16	35	42	29	
11:29:00	20	4	1480	-3.2	492	173	8356	795	721	883	577	715	805	943	1058	1352	346	19	71	71	102	175	
11:29:40	20	4	1480	-3.2	492	175	8074	420	439	455	397	878	1020	1061	1029	1378	532	144	177	221	413	510	
11:30:00	20	4	1480	-3.4	493	173	12340	440	503	509	577	1247	1365	1359	1503	2401	445	205	234	260	478	835	
11:30:20	20	4	1490	-3.4	495	171	10875	430	462	501	561	1102	1216	1186	1372	2010	375	183	213	218	302	600	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
11:30:40	20	4	1485	-3.4	495	171	10039	442	702	679	596	1153	1112	1061	1327	1782	202	103	154	119	234	362	
11:31:00	20	4	1495	-3.4	496	174	10130	516	708	759	760	1102	939	1029	1032	1603	138	103	151	170	407	622	
11:31:20	20	4	1485	-3.4	495	131	10103	481	744	327	622	1057	1026	1090	1038	1484	173	147	144	224	426	609	
11:31:40	20	4	1485	-3.4	495	181	9157	442	564	612	641	926	933	731	817	1240	205	90	186	260	647	862	
11:32:20	20	4	1480	-3.5	494	172	9599	362	462	413	465	1077	1000	1026	1154	1667	196	147	196	256	439	740	
11:32:40	20	4	1390	-3.6	494	170	8394	590	724	657	603	913	994	766	1051	1458	103	61	93	80	122	163	
11:33:00	20	4	1300	-3.5	495	170	5833	1170	519	525	484	599	487	506	513	699	29	10	16	19	16	42	
11:33:20	20	4	1220	-3.4	495	168	4734	1872	609	446	311	295	327	250	282	286	6	10	13	13	6	6	
11:33:40	20	4	1130	-3.4	495	160	5590	1042	953	651	567	478	426	506	580	413	16	13	6	10	13	16	
11:34:00	20	4	1040	-3.3	496	170	5006	1897	644	545	478	311	330	256	304	221	3	0	3	3	6	3	
11:34:20	20	4	950	-3.4	496	170	4971	1670	718	538	410	397	279	311	407	221	0	3	6	0	3	6	
11:34:40	20	4	870	-3.1	497	173	4782	2380	708	404	343	266	202	199	189	77	0	3	0	0	3	0	
11:35:00	20	4	790	-3.0	496	175	5051	2590	769	471	321	224	231	189	202	51	0	3	0	0	0	0	
11:35:20	20	4	690	-3.1	498	176	5038	2516	772	397	404	295	176	212	218	42	3	0	0	0	3	0	
11:35:40	20	4	610	-3.0	498	176	4571	2462	928	426	288	202	170	199	170	13	0	3	0	3	0	0	
11:36:00	20	4	520	-3.0	497	178	4801	2654	737	426	314	163	212	135	141	10	3	0	0	3	3	0	
11:36:20	20	4	440	-2.9	498	183	4837	2855	583	359	292	192	176	141	122	6	0	0	0	0	0	0	
11:36:40	20	4	350	-2.9	498	186	5215	3122	804	388	282	205	157	122	131	0	0	3	0	0	0	0	
11:37:00	20	4	260	-2.9	496	179	5308	3221	837	333	250	208	157	147	87	3	3	0	3	0	0	0	
11:37:20	20	4	180	-2.8	497	181	5138	3317	769	385	224	167	128	93	54	0	0	0	0	0	0	0	
11:37:40	20	4	90	-2.7	496	189	5356	3462	830	253	263	136	147	122	77	0	0	0	0	0	0	0	
11:38:00	20	4	00	-2.6	498	139	4901	3188	686	369	221	139	71	112	54	3	0	0	0	0	0	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
07:42:00	60	4	15	-3.7	104	11	4583	1213	592	502	447	335	358	366	421	255	4	9	3	2	12	5	9
07:46:00	60	4	295	-4.1	117	23	6493	395	454	429	374	745	722	718	985	1179	122	66	72	57	107	198	
07:48:00	60	4	600	-4.5	137	27	8330	507	491	458	365	656	545	544	603	734	192	167	210	379	1000	1501	
07:52:00	60	4	925	-4.7	172	39	6112	425	458	437	411	572	540	497	541	768	141	78	85	120	410	614	
07:54:00	60	4	1275	-5.1	214	60	5551	554	482	449	407	443	427	410	377	435	103	38	30	176	424	695	10
07:57:00	60	4	1555	-5.4	248	80	5475	530	478	426	450	400	450	421	491	600	103	80	92	118	200	394	
08:00:00	60	4	1865	-5.3	291	121	3421	732	541	520	420	439	435	376	349	450	136	87	83	127	278	426	
08:02:00	60	4	2175	-5.4	334	161	4210	513	397	372	347	360	377	341	322	340	84	77	69	91	242	330	
08:07:00	60	4	2495	-5.7	378	212	4545	540	475	433	337	389	393	333	311	384	121	107	83	103	217	334	
08:08:00	20	4	2480	-5.7	394	230	5200	782	429	404	370	497	394	397	381	497	125	112	93	144	255	301	
08:08:20	20	4	2380	-5.8	386	227	4660	564	388	430	401	372	395	375	311	372	131	100	74	170	220	311	
08:08:40	20	4	2300	-5.7	393	219	4756	620	358	413	337	397	340	300	305	417	131	122	141	135	255	337	
08:09:00	20	4	2210	-5.6	391	219	4397	537	350	353	350	314	391	340	337	446	135	98	103	119	231	333	
08:09:20	20	4	2140	-5.6	383	199	4857	407	394	356	385	405	426	385	389	567	112	90	97	131	218	250	
08:09:40	20	4	2040	-5.4	372	190	3503	381	311	314	250	350	247	247	272	337	83	97	71	103	170	253	
08:10:00	20	4	1970	-5.5	365	175	3406	340	372	327	283	256	272	208	234	270	106	83	80	81	199	250	
08:10:20	20	4	1870	-5.5	357	165	4526	471	343	401	280	362	362	338	407	593	122	77	77	100	227	302	
08:10:40	20	4	1800	-5.5	351	157	4100	446	429	413	304	380	378	353	292	391	103	83	93	99	240	240	
08:11:00	20	4	1700	-5.5	340	148	4173	433	442	327	283	372	311	321	321	343	112	110	87	83	247	337	
08:11:20	20	4	1630	-5.5	344	136	5854	407	327	385	260	423	423	430	458	500	154	170	179	202	405	705	
08:11:40	20	4	1520	-5.5	336	125	4260	423	324	340	327	343	340	353	295	484	128	77	61	106	298	388	
08:12:00	20	4	1480	-5.5	332	118	5028	455	385	375	429	474	484	502	394	734	119	93	90	99	244	340	
08:12:20	20	4	1350	-5.5	329	108	5507	426	407	426	337	430	458	526	522	924	86	106	115	135	259	391	11
08:12:40	20	4	1270	-5.5	320	99	4809	420	455	446	370	436	417	427	471	609	71	91	71	77	237	308	
08:13:00	20	4	1170	-5.5	316	96	4333	482	423	503	410	426	330	385	362	530	106	67	80	93	151	311	
08:13:20	20	4	1100	-5.3	308	92	5209	380	352	314	263	402	417	423	455	503	109	128	102	102	410	702	
08:13:40	20	4	1000	-5.1	299	84	4232	471	273	308	302	304	293	237	240	343	128	103	77	150	497	670	
08:14:00	20	4	920	-5.2	295	77	5010	285	324	321	295	399	272	375	365	407	107	80	113	170	518	856	
08:14:20	20	4	870	-5.1	292	73	4365	317	285	208	193	352	426	388	247	273	107	93	117	180	542	1051	
08:14:40	20	4	790	-5.0	286	66	5096	340	413	292	357	372	353	446	372	356	115	81	87	157	520	859	
08:15:00	20	4	640	-5.0	279	62	6013	304	321	343	337	463	429	492	452	941	231	100	125	199	622	931	
08:15:20	20	4	590	-4.8	270	56	5506	340	417	311	244	372	420	369	330	519	144	74	125	199	670	978	
08:15:40	20	4	470	-4.9	277	53	5531	323	385	281	280	375	439	393	343	420	139	71	93	244	599	1030	
08:16:00	20	4	410	-5.0	274	52	8295	298	304	362	317	788	606	718	703	1130	317	193	221	311	841	1170	
08:16:20	20	4	300	-5.0	274	51	6607	337	404	304	343	623	772	619	647	971	212	90	122	141	303	548	
08:16:40	20	4	270	-4.9	269	50	5778	340	455	442	430	732	640	747	792	1186	179	87	87	61	135	186	
08:17:00	20	4	120	-4.9	268	49	7058	300	388	404	372	735	724	837	942	1300	212	90	103	80	193	259	
08:17:20	20	4	80	-4.7	262	50	6106	540	522	513	397	603	600	593	705	1050	108	48	58	61	91	93	
08:17:40	20	4	00	-4.6	259	28	5250	804	458	437	404	335	561	508	505	715	91	13	13	35	10	29	
08:28:00	60	3	-15	-4.1	289	38	8134	3047	837	640	591	705	205	7	9	10	17	1	0	0	0	0	
08:30:00	60	3	270	-4.7	337	68	7449	812	582	1044	1121	1422	1174	135	155	332	435	76	27	75	40	90	
08:32:00	60	3	585	-5.0	365	81	3500	560	471	821	775	900	710	132	235	1095	1573	431	214	329	159	46	
08:34:00	60	3	895	-5.1	390	106	7491	592	554	712	762	832	638	131	175	692	1069	349	247	428	209	89	
08:35:00	60	3	1215	-5.5	409	151	7159	577	475	677	753	347	673	37	128	540	733	274	295	509	221	149	
08:38:00	60	3	1525	-5.5	434	208	6339	573	463	497	443	394	334	89	112	464	790	373	369	755	454	230	
08:40:00	60	3	1835	-5.7	450	281	5255	523	507	578	510	536	424	120	139	452	937	282	269	645	340	220	
08:42:00	60	3	2145	-5.7	469	339	5254	569	483	501	468	568	388	80	82	285	478	188	225	512	295	172	
08:44:00	60	3	2480	-5.9	495	410	5203	571	460	559	454	439	405	85	103	275	446	143	249	460	259	233	
08:44:40	20	3	2420	-5.9	500	413	5708	628	497	554	455	494	391	126	90	362	535	224	282	535	292	244	
08:45:00	20	3	2330	-5.9	489	332	5139	391	340	554	558	557	440	91	141	255	420	170	234	460	309	221	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
							PARTICLES PER CC (X 10)																
08:45:20	20	3	2250	-5.9	480	370	5167	545	487	497	420	512	420	80	77	301	391	176	215	417	321	218	
08:45:40	20	3	2140	-5.3	474	350	5426	506	434	557	595	531	446	93	74	263	426	170	269	365	221	215	
08:46:00	20	3	2070	-5.8	472	345	5717	542	400	525	644	811	530	53	59	263	378	125	135	247	186	115	
08:46:20	20	3	1950	-5.7	455	317	5349	590	452	515	567	703	544	74	93	372	529	247	173	343	269	77	
08:46:40	20	3	1890	-5.8	461	300	5413	462	551	596	605	779	506	90	129	349	343	154	163	397	176	112	
08:47:00	20	3	1790	-5.9	459	277	5337	577	539	551	509	532	516	141	103	401	510	170	276	449	228	167	
08:47:20	20	3	1720	-5.9	455	251	6204	555	548	547	644	301	561	90	147	373	615	231	212	410	288	196	
08:47:40	20	3	1590	-5.9	452	244	6004	551	452	510	712	321	557	115	147	497	639	125	195	433	125	109	
08:48:00	20	3	1540	-5.8	445	228	7115	445	439	587	631	657	433	95	176	715	955	365	353	696	385	183	
08:48:20	20	3	1470	-5.8	443	226	8644	533	543	557	635	539	459	202	282	1057	1437	462	413	633	314	179	
08:48:40	20	3	1350	-5.8	430	215	8551	520	391	551	439	401	302	163	247	1260	1865	551	494	859	433	147	
08:49:00	20	3	1250	-5.7	434	193	9103	535	449	417	385	250	139	95	139	1125	1923	1029	569	955	622	163	
08:49:20	20	3	1190	-5.6	431	184	9917	507	410	545	519	375	372	122	231	1093	1801	974	712	1135	853	208	
08:49:40	20	3	1070	-5.4	425	165	9144	301	199	293	224	223	125	77	133	955	1735	737	721	1465	724	215	
08:50:00	20	3	1010	-5.4	423	155	9122	790	503	495	340	298	344	106	129	946	1747	798	612	1160	782	144	
08:50:20	20	3	890	-5.5	413	142	9334	340	301	423	490	449	314	119	215	1301	1352	615	606	1170	442	147	
08:50:40	20	3	820	-5.5	415	120	8798	442	420	452	540	554	426	147	186	1288	1731	631	516	837	402	157	
08:51:00	20	3	710	-5.5	413	114	9179	513	401	535	542	525	533	170	324	1375	1955	653	433	558	331	112	
08:51:20	20	3	640	-5.4	412	105	8150	500	449	695	769	830	654	106	186	949	1402	378	295	574	203	61	
08:51:40	20	3	570	-5.4	407	102	9333	539	522	913	352	934	849	173	295	371	1308	279	199	337	109	42	
08:52:00	20	3	470	-5.3	414	94	9954	457	510	908	894	1029	703	221	308	1256	1962	503	167	317	179	32	
08:52:20	20	3	390	-5.4	415	97	9007	515	539	904	1071	1170	1093	205	240	721	1109	202	54	93	43	13	
08:52:40	20	3	290	-5.4	415	95	7474	775	554	1054	1215	1478	590	135	163	355	532	77	35	64	29	10	
08:53:00	20	3	180	-5.4	415	94	9345	811	580	937	1215	1401	1122	95	115	237	253	29	32	29	13	16	
08:53:20	20	3	120	-5.4	416	90	9712	1074	593	1054	1122	1408	503	45	71	110	119	29	22	32	22	10	
08:53:40	20	3	10	-5.3	414	100	8079	1506	739	1013	1032	1433	550	57	32	74	48	0	13	0	3	6	
08:54:00	20	3	00	-5.0	328	80	9087	2256	744	914	772	297	561	35	13	13	35	10	3	6	0	0	
08:57:00	60	2	00	-4.7	404	100	8331	5226	1385	1032	42	33	5	15	3	3	3	14	4	2	1	5	12
08:58:00	60	2	[illegible]	-4.7	399	100	9172	5114	1012	1046	40	2	10	5	3	0	5	7	5	4	3	2	
09:00:00	60	2	270	-5.0	415	97	7717	3354	1371	1577	122	337	32	62	15	57	14	48	24	31	20	15	
09:02:00	60	2	580	-5.3	428	110	9745	1842	1725	1453	475	2001	388	359	84	124	33	76	27	38	27	30	
09:04:00	60	2	895	-5.2	444	157	9531	343	1044	370	417	2327	516	1105	274	403	104	157	38	42	18	24	
09:06:00	60	2	1215	-5.6	460	206	9849	1054	1146	786	780	2438	532	1444	359	540	149	249	100	95	49	60	
09:08:00	60	2	1525	-5.7	477	234	9743	757	515	472	171	1332	1012	1524	592	923	363	357	140	83	83	44	
09:10:00	60	2	1875	-5.7	493	355	7747	935	947	771	147	890	376	763	296	709	253	561	230	218	135	116	
09:12:00	60	2	2155	-5.9	502	404	9140	993	370	536	137	347	438	305	406	323	406	759	292	264	119	134	
09:19:40	20	2	2655	-6.1	515	436	7840	545	455	355	170	540	442	665	535	1324	667	1029	362	263	151	125	
09:20:00	20	2	2590	-6.0	514	434	9054	557	445	308	120	635	410	933	587	1437	503	937	363	256	139	103	
09:20:20	20	2	2500	-5.9	502	427	8478	1003	554	481	218	772	433	965	561	1135	526	894	337	304	106	119	
09:20:40	20	2	2440	-5.8	505	420	8554	1429	753	385	131	573	335	901	500	1175	516	894	304	272	160	93	
09:21:00	20	2	2350	-5.9	504	405	9295	1471	859	439	125	779	420	1087	554	1263	577	862	353	253	186	61	
09:21:20	20	2	2290	-5.8	503	400	7337	638	452	355	109	721	478	1003	497	1160	446	804	263	202	141	54	
09:21:40	20	2	2200	-5.8	500	333	7311	801	519	404	144	747	331	955	513	1029	407	811	221	240	77	51	
09:22:00	20	2	2140	-5.7	496	374	7087	683	530	548	95	792	426	942	449	933	324	596	256	237	109	58	
09:22:20	20	2	2070	-5.7	492	351	6973	904	735	522	151	750	349	349	301	324	340	554	157	237	90	64	
09:22:40	20	2	1970	-5.7	498	326	6929	756	875	708	112	622	321	856	340	756	311	638	209	208	64	112	
09:23:00	20	2	1890	-5.7	437	311	7353	365	1103	735	110	378	355	747	279	734	311	437	147	170	99	57	
09:23:20	20	2	1770	-5.7	486	292	8054	1333	974	763	151	650	564	897	420	772	378	500	167	138	60	54	
09:23:40	20	2	1650	-5.7	435	277	9724	1564	1170	1035	212	1157	497	721	359	772	324	443	173	167	83	42	
09:24:00	20	2	1590	-5.7	431	256	9702	1865	1676	1173	289	1066	532	776	321	724	301	429	176	131	64	78	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
09:24:20	20	2	1470	-5.6	473	244	7946	1465	1212	779	133	1006	551	785	362	702	289	385	115	90	42	26	
09:24:40	20	2	1400	-5.6	475	219	7842	1330	1019	875	144	1189	851	776	359	719	231	343	154	74	48	35	
09:25:00	20	2	1280	-5.6	471	193	7321	1077	801	333	186	1292	803	926	292	596	205	244	103	87	54	22	
09:25:20	20	2	1200	-5.6	469	184	7870	1093	1026	821	247	1063	857	821	234	468	170	234	87	77	58	16	
09:25:40	20	2	1060	-5.7	466	174	8244	910	917	798	349	2439	865	978	231	369	115	176	45	19	29	13	
09:26:00	20	2	980	-5.6	465	161	8119	1346	1317	1061	391	1763	689	812	157	350	138	154	67	35	26	6	
09:26:20	20	2	860	-5.5	463	151	9311	2144	1573	1492	497	2173	819	577	122	240	64	122	32	35	29	16	
09:26:40	20	2	790	-5.4	461	140	8183	1821	1372	1112	317	1834	763	413	122	144	93	71	29	16	10	6	
09:27:00	20	2	685	-5.4	458	133	3132	827	809	596	103	812	202	99	35	46	22	16	3	6	13	0	13
11:58:00	60	1	25	-2.2	517	234	550	545	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:58:00	60	1	290	-2.7	513	231	835	823	3	2	0	0	0	0	0	0	0	0	0	0	0	0	
12:01:00	60	1	605	-2.7	514	226	1417	1404	12	1	0	0	0	0	0	0	0	0	0	0	0	0	
12:03:00	60	1	915	-3.1	514	213	2109	2146	37	5	4	4	0	0	0	0	0	0	0	0	0	0	
12:05:00	60	1	1235	-3.5	517	210	6272	5713	201	182	45	29	12	2	0	0	0	0	0	0	0	0	
12:07:00	60	1	1555	-3.6	518	244	8112	2733	2025	2934	335	68	6	3	0	1	0	0	0	0	0	0	
12:09:00	60	1	1895	-4.0	527	310	8480	2013	1678	3216	825	460	173	80	17	5	0	0	0	0	0	0	14
12:11:00	60	1	2175	-4.0	535	409	7694	942	950	2475	1744	337	422	125	34	10	3	2	0	0	0	0	11
12:13:00	60	1	2545	-4.2	547	461	9480	670	1009	3111	2491	1454	553	122	45	16	6	0	0	2	0	0	
12:14:00	60	1	2545	-4.1	545	460	10041	613	1003	3628	2838	1310	443	125	47	24	4	3	1	0	0	0	
12:16:50	20	1	2520	-3.8	550	485	9128	654	1519	3769	1923	702	298	141	77	20	6	13	0	0	0	0	15
12:17:10	20	1	2460	-3.8	548	454	10077	712	1702	4353	1952	856	324	99	45	28	3	3	0	3	0	0	
12:17:30	20	1	2390	-3.8	549	454	8359	837	1237	3548	1596	654	266	144	54	13	6	3	0	0	0	0	
12:17:50	20	1	2320	-3.9	548	448	10449	651	1554	4728	2363	779	136	48	10	13	10	0	0	3	0	0	
12:18:10	20	1	2220	-3.9	548	434	8340	1077	1095	3279	1817	622	282	93	38	22	10	3	0	0	0	0	
12:18:30	20	1	2140	-4.0	545	435	11353	420	1570	5933	3125	564	103	32	6	0	0	0	0	0	0	0	
12:18:50	20	1	2030	-4.0	544	422	9809	994	1510	4946	1702	506	131	58	13	6	3	0	0	0	0	0	
12:19:10	20	1	1960	-4.0	542	403	10911	1067	2256	5586	1369	272	122	19	6	10	3	0	0	0	0	0	
12:19:30	20	1	1850	-3.9	542	368	10269	1192	2458	5538	788	199	58	32	3	0	0	0	0	0	0	0	
12:19:50	20	1	1770	-3.9	542	344	10381	1458	2554	5478	718	157	16	0	0	0	0	0	0	0	0	0	
12:20:10	20	1	1690	-3.9	544	344	6298	2215	907	2356	471	202	83	48	13	3	0	0	0	0	0	0	
12:20:30	20	1	1590	-4.0	546	300	4437	2593	391	747	353	224	135	29	6	6	3	0	0	0	0	0	
12:20:50	20	1	1490	-3.8	544	289	5106	4054	285	394	144	115	77	26	10	0	0	0	0	0	0	0	
12:21:10	20	1	1400	-3.8	541	277	5256	4423	285	253	133	74	45	29	6	0	0	0	3	0	0	0	
12:21:30	20	1	1290	-3.8	540	269	4949	3920	260	340	167	125	64	48	16	10	0	0	0	0	0	0	
12:21:50	20	1	1220	-3.8	541	263	5811	5240	170	218	64	45	48	16	6	3	0	0	0	0	0	0	
12:22:10	20	1	1120	-3.8	538	257	4904	4763	99	22	13	0	6	0	0	0	0	0	0	0	0	0	
12:22:30	20	1	1040	-3.6	535	254	4394	4894	74	22	3	0	0	0	0	0	0	0	0	0	0	0	
12:22:50	20	1	920	-3.6	532	254	4478	4394	61	13	6	3	0	0	0	0	0	0	0	0	0	0	
12:23:10	20	1	850	-3.6	531	250	4455	4360	67	16	3	3	0	0	0	0	0	0	0	0	0	0	
12:23:30	20	1	770	-3.6	528	240	3256	3221	19	6	3	6	0	0	0	0	0	0	0	0	0	0	
12:23:50	20	1	660	-3.5	526	247	2321	2285	32	3	0	0	0	0	0	0	0	0	0	0	0	0	
12:24:10	20	1	550	-3.4	525	244	1978	1942	32	3	0	0	0	0	0	0	0	0	0	0	0	0	
12:24:30	20	1	480	-3.4	524	240	1724	1628	26	6	35	29	0	0	0	0	0	0	0	0	0	0	
12:24:50	20	1	390	-3.3	523	239	1199	1138	10	3	22	26	0	0	0	0	0	0	0	0	0	0	
12:25:10	20	1	310	-3.2	522	240	1071	1061	10	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:25:30	20	1	210	-3.1	522	245	1010	1006	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:25:50	20	1	140	-3.0	521	247	801	801	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:26:10	20	1	40	-3.0	521	257	324	308	3	0	6	6	0	0	0	0	0	0	0	0	0	0	
12:26:30	20	1	10	-2.7	521	160	728	718	0	0	3	6	0	0	0	0	0	0	0	0	0	0	
12:26:50	20	2	10	-2.9	442	58	2708	718	307	266	564	253	0	0	0	0	0	0	0	0	0	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
12:30:00	60	2	00	-2.2	520	218	2953	2425	502	11	17	2	0	0	0	0	0	0	0	0	0	0	
12:33:00	60	2	295	-3.1	522	253	4925	3545	1037	132	88	72	1	0	0	0	0	0	0	0	0	0	
12:35:00	60	2	595	-3.1	530	260	5290	3949	1012	195	78	64	2	0	0	0	0	0	0	0	0	0	
12:37:00	60	2	925	-3.4	533	251	6294	4748	1277	134	49	27	0	1	0	0	0	0	0	0	0	0	
12:39:00	60	2	1245	-3.6	530	243	6388	4384	1409	438	48	73	0	12	6	4	4	4	1	0	0	0	
12:41:00	60	2	1575	-3.7	526	241	7533	3353	2358	1444	186	178	3	0	0	0	0	0	0	0	0	0	
12:43:00	60	2	1905	-3.8	532	305	9206	1379	1846	1408	730	2533	396	769	118	158	74	58	21	21	4	3	
12:45:00	60	2	2235	-3.9	536	393	10319	1270	1532	1141	709	3149	955	209	267	413	155	156	64	43	21	7	
12:50:20	20	2	2545	-3.7	542	444	7728	853	840	442	346	1041	651	1141	359	857	279	356	77	115	20	6	
12:50:40	20	2	2545	-3.7	548	441	5937	433	465	301	288	1484	906	875	375	503	234	247	98	40	38	3	
12:51:00	20	2	2545	-3.8	550	439	7346	747	612	362	295	1705	992	1141	356	957	253	337	87	42	26	26	
12:51:20	20	2	2545	-3.8	541	444	7083	554	612	436	301	1567	967	1003	375	960	301	295	109	30	6	16	
12:51:40	20	2	2545	-4.0	547	442	8660	510	931	375	516	2528	827	1279	509	734	314	272	67	64	19	19	
12:52:00	20	2	2500	-4.0	546	434	9212	550	519	434	404	2275	974	1433	541	365	256	404	110	72	32	10	
12:52:20	20	2	2420	-4.0	544	419	8093	780	872	516	308	1982	849	2138	394	620	237	298	61	26	29	16	
12:52:40	20	2	2360	-4.0	542	403	8393	833	703	535	500	2510	759	1189	338	553	132	340	30	43	19	5	
12:53:00	20	2	2290	-4.0	538	387	7481	744	715	452	442	2490	747	965	231	372	115	157	48	61	0	29	
12:53:20	20	2	2190	-4.0	531	374	9660	724	779	590	631	3340	1221	1157	293	255	94	74	35	10	9	10	
12:53:40	20	2	2090	-4.0	529	351	10176	654	683	532	830	4484	1317	1192	199	212	38	28	0	3	5	0	
12:54:00	20	2	2000	-4.0	528	325	10112	953	1019	957	772	4115	1016	1071	183	253	32	16	10	0	0	0	
12:54:20	20	2	1890	-3.9	528	284	9724	1154	1526	966	814	3715	728	909	93	77	29	13	0	0	0	0	
12:54:40	20	2	1820	-4.0	523	260	10689	1545	2074	1535	981	3478	532	292	38	32	10	10	0	3	0	0	
12:55:00	20	2	1720	-3.8	524	252	7529	1712	1859	1446	474	1567	244	103	19	29	6	6	0	0	0	3	
12:55:20	20	2	1650	-3.8	522	254	7708	1795	2157	1606	561	1375	128	71	13	0	3	0	0	0	0	0	
12:55:40	20	2	1580	-3.8	523	252	6490	2200	1981	1429	250	590	15	10	0	0	0	3	0	0	0	0	
12:56:00	20	2	1490	-3.8	524	249	6702	3494	1343	1176	87	93	10	0	0	0	0	0	0	0	0	0	
12:56:20	20	2	1380	-3.8	531	245	5865	4205	1256	407	9	10	0	0	0	0	0	0	0	0	0	0	
12:56:40	20	2	1320	-3.8	531	244	6349	4349	1437	455	29	29	0	0	0	0	0	0	0	0	0	0	
12:57:00	20	2	1220	-3.8	534	248	6362	4314	1465	465	83	35	0	0	0	0	0	0	0	0	0	0	
12:57:20	20	2	1150	-3.6	532	251	6673	4309	1635	510	151	67	3	0	0	0	0	0	0	0	0	0	
12:57:40	20	2	1060	-3.4	540	251	5939	3984	1356	413	109	74	3	0	0	0	0	0	0	0	0	0	
12:58:00	20	2	990	-3.4	538	254	5260	3955	1054	151	42	58	0	0	0	0	0	0	0	0	0	0	
12:58:20	20	2	890	-3.5	537	260	4811	3728	952	80	42	10	0	0	0	0	0	0	0	0	0	0	
12:58:40	20	2	810	-3.4	534	263	4827	3731	939	74	54	29	0	0	0	0	0	0	0	0	0	0	
12:59:00	20	2	710	-3.4	532	270	4853	3766	894	109	42	42	0	0	0	0	0	0	0	0	0	0	
12:59:20	20	2	640	-3.0	533	285	3962	3244	654	38	16	10	0	0	0	0	0	0	0	0	0	0	
12:59:40	20	2	540	-2.9	540	268	3324	2667	542	45	48	22	0	0	0	0	0	0	0	0	0	0	
13:00:00	20	2	470	-3.1	538	279	4407	3465	769	83	61	29	0	0	0	0	0	0	0	0	0	0	19
13:00:20	20	2	380	-3.1	534	297	3929	3087	747	58	32	16	0	0	0	0	0	0	0	0	0	0	
13:00:40	20	2	315	-3.0	534	301	3795	3042	683	25	38	6	0	0	0	0	0	0	0	0	0	0	
13:01:00	20	2	210	-2.9	536	287	3099	2519	484	35	32	32	0	0	0	0	0	0	0	0	0	0	
13:01:20	20	2	155	-2.8	532	302	3607	2827	654	83	74	29	0	0	0	0	0	0	0	0	0	0	
13:01:40	20	2	90	-2.6	532	310	3135	2542	535	29	22	6	0	0	0	0	0	0	0	0	0	0	
13:02:00	20	2	25	-2.4	530	279	2715	2103	423	45	54	29	0	0	0	0	0	0	0	0	0	0	
13:02:20	20	2	20	-2.4	531	309	3538	2136	779	256	125	175	9	0	0	0	0	0	0	0	0	0	
13:02:40	20	2	25	-2.3	531	274	2830	2250	439	61	48	32	0	0	0	0	0	0	0	0	0	0	
13:03:00	60	3	20	-2.2	529	295	4700	3510	724	246	158	61	0	0	0	1	0	0	0	0	0	0	
13:08:00	60	3	295	-2.2	531	290	4974	3646	745	303	198	81	0	1	0	0	0	0	0	0	0	0	
13:10:00	60	3	605	-2.6	525	277	5116	3737	743	307	205	116	0	1	1	0	0	0	0	0	0	0	
13:12:00	60	3	975	-3.0	530	267	5291	3568	822	423	288	164	3	3	1	0	0	0	0	0	0	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
13:14:00	60	3	1250	-3.5	530	262	5591	3380	868	552	365	337	28	1	2	2	1	0	0	0	0	0	
13:16:00	60	3	1550	-3.4	534	261	5306	2770	858	641	458	536	27	4	4	3	0	0	0	0	0	0	
13:18:00	60	3	1895	-3.6	530	293	9082	1323	841	1040	881	1216	561	37	40	67	61	7	1	2	0	0	17
13:20:40	20	3	2510	-3.6	542	419	14185	321	212	384	1170	1018	853	522	1061	3641	3747	308	135	167	45	6	
13:27:00	20	3	2440	-3.5	539	400	11409	153	202	753	840	773	747	449	647	2737	3343	362	96	202	99	10	
13:27:20	20	3	2380	-3.6	541	385	10154	522	529	955	1138	1308	997	237	353	1340	1740	410	186	282	112	45	
13:27:40	20	3	2290	-3.6	541	374	9147	473	500	1074	1213	1542	1093	153	228	946	1176	150	186	285	61	38	
13:28:00	20	3	2210	-3.6	540	342	10096	654	712	1256	1365	1497	1186	183	279	849	1314	208	179	244	119	51	
13:29:20	20	3	2100	-3.6	536	328	8083	545	744	1179	1195	1431	1083	131	202	503	724	112	61	77	42	3	
13:29:40	20	3	2070	-3.2	537	313	6000	1554	631	853	865	1010	705	45	103	154	138	19	3	0	0	0	
13:30:00	20	3	1920	-3.2	534	309	5269	1349	756	639	528	705	446	6	22	42	22	3	0	0	0	0	
13:30:20	20	3	1800	-3.1	534	301	4978	2526	721	564	497	487	163	0	0	6	13	0	0	0	0	0	
13:30:40	20	3	1750	-3.3	532	297	4747	2032	705	615	545	590	135	6	19	3	16	0	0	0	0	0	
13:30:00	20	3	1695	-3.3	531	296	5115	2202	928	680	513	539	87	13	10	6	10	0	0	0	0	0	
13:30:20	20	3	1600	-3.2	531	296	4651	2105	921	537	481	603	35	0	0	0	0	0	0	0	0	0	
13:30:40	20	3	1570	-3.3	536	297	4602	2423	779	526	435	487	32	0	0	0	0	0	0	0	0	0	
13:31:00	20	3	1470	-3.3	536	297	4365	2702	775	513	394	453	3	10	3	6	0	0	0	0	0	0	
13:31:20	20	3	1370	-3.3	538	297	5003	2891	827	526	388	337	16	3	3	13	0	0	0	0	0	0	
13:31:40	20	3	1260	-3.2	538	295	4580	2747	670	500	349	304	3	0	6	0	0	0	0	0	0	0	
13:32:00	20	3	1210	-3.1	538	295	4287	3250	765	420	244	252	0	0	0	3	0	0	0	0	0	0	
13:32:20	20	3	1100	-2.9	534	294	5016	3533	753	272	231	157	0	3	0	0	0	0	0	0	0	0	
13:32:40	20	3	1040	-3.1	536	290	5308	3750	747	359	247	202	0	2	0	0	0	0	0	0	0	0	
13:33:00	20	3	950	-2.9	541	294	5093	3587	779	378	183	160	3	0	3	0	0	0	0	0	0	0	
13:33:20	20	3	880	-3.0	535	291	5420	3994	779	346	208	93	0	0	0	0	0	0	0	0	0	0	
13:33:40	20	3	780	-2.9	532	293	5224	3803	744	304	247	113	0	3	0	0	0	0	0	0	0	0	
13:34:00	20	3	710	-3.0	532	294	5375	3965	740	308	237	102	0	0	3	0	0	0	0	0	0	0	
13:34:20	20	3	610	-3.0	534	297	5208	3808	724	276	266	123	0	0	3	3	0	0	0	0	0	0	
13:34:40	20	3	540	-3.0	533	300	5208	3842	808	308	304	125	0	0	0	0	0	0	0	0	0	0	
13:35:00	20	3	440	-3.0	531	299	5109	3780	744	304	195	106	0	0	0	0	0	0	0	0	0	0	
13:35:20	20	3	370	-2.9	531	301	5012	4067	849	378	218	99	0	0	0	0	0	0	0	0	0	0	
13:35:40	20	3	270	-2.7	534	295	4978	3623	795	232	199	74	0	0	0	0	0	0	0	0	0	0	
13:36:00	20	3	210	-2.5	532	302	4952	3676	715	282	183	93	3	0	0	0	0	0	0	0	0	0	
13:36:20	20	3	120	-2.4	530	304	4735	3526	788	247	154	67	3	0	0	0	0	0	0	0	0	0	
13:36:40	20	3	50	-2.4	532	312	4994	3782	760	244	151	58	0	0	0	0	0	0	0	0	0	0	
13:37:00	20	3	10	-2.2	532	313	4779	3631	724	231	138	54	0	0	0	0	0	0	0	0	0	0	
13:37:20	20	3	15	-2.1	531	308	4926	3683	709	237	199	32	0	0	0	0	0	0	0	0	0	0	
13:37:40	20	3	15	-2.1	530	323	4596	3425	737	218	154	51	0	0	0	0	0	0	0	0	0	0	
13:40:00	60	4	020	-2.6	534	284	3737	1903	560	354	282	214	165	153	111	3	1	0	0	0	1	0	10
13:50:00	60	4	1240	-2.6	524	260	3395	1991	628	363	261	207	179	156	100	5	0	0	0	0	2	1	
13:52:00	60	4	1550	-2.9	517	260	4300	1648	737	505	378	322	237	222	215	24	2	1	1	0	0	0	
13:55:00	60	4	2215	-2.5	503	290	3956	1307	620	451	339	309	247	275	239	141	4	4	4	4	6	6	
13:58:00	60	4	2540	-2.6	510	370	7309	373	532	532	495	906	950	310	951	1391	115	91	114	128	259	357	19
13:59:00	60	4	2545	-2.6	498	374	6170	513	531	533	454	669	819	813	678	928	56	59	52	66	159	234	
14:00:00	60	4	2540	-1.9	499	357	4958	809	628	562	468	478	452	459	510	502	16	11	15	13	15	21	
14:01:00	60	4	2540	-2.5	498	357	4197	934	558	478	381	411	339	318	337	366	17	9	2	9	17	21	
14:02:40	20	4	2570	-3.1	527	355	3526	482	587	572	573	1157	1144	939	1215	1667	112	71	119	189	213	301	
14:03:00	20	4	2440	-3.1	522	341	6756	452	700	596	582	814	696	708	808	997	54	32	26	42	71	119	
14:03:20	20	4	2370	-3.0	521	337	5619	590	689	636	595	577	516	500	625	712	74	13	13	10	19	10	
14:03:40	20	4	2280	-2.9	524	332	4413	981	663	471	429	446	353	359	362	298	13	6	0	6	6	10	
14:04:00	20	4	2190	-2.9	525	317	3718	1043	635	478	283	359	256	292	272	71	0	10	3	3	3	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
14:04:20	20	4	2070	-2.8	514	327	3000	1173	599	420	360	333	244	228	199	83	6	0	0	3	0	0	
14:04:40	20	4	1990	-2.8	514	313	3903	1200	587	455	330	256	196	221	205	51	9	0	0	0	3	3	
14:05:00	20	4	1890	-2.6	513	325	3760	1827	590	449	267	189	141	139	99	10	0	3	0	0	0	0	
14:05:20	20	4	1810	-2.7	527	312	3385	1452	571	433	275	221	151	141	125	10	0	0	0	3	0	3	
14:05:40	20	4	1700	-2.6	518	320	3526	1592	602	413	288	187	125	100	144	20	3	0	3	0	0	0	20
14:06:00	20	4	1570	-2.5	532	317	3405	1775	515	353	259	183	144	147	30	0	0	0	0	0	0	0	
14:06:20	20	4	1520	-2.7	524	321	3455	1580	548	397	295	250	147	154	80	0	0	3	0	0	0	0	
14:06:40	20	4	1450	-2.6	515	320	3471	1606	551	435	285	132	151	122	93	0	0	0	0	0	0	0	
14:07:00	20	4	1350	-2.6	516	315	3587	1840	576	330	218	202	115	128	71	0	0	0	3	0	0	0	
14:07:20	20	4	1270	-2.6	527	312	3426	1641	609	395	260	203	160	128	115	0	0	3	0	0	0	0	
14:07:40	20	4	1160	-2.4	517	297	3612	1962	619	366	224	160	110	106	61	0	0	0	0	0	0	0	
14:08:00	20	4	1090	-2.3	519	294	3557	2054	519	340	234	100	135	105	97	0	0	6	0	0	0	0	
14:08:20	20	4	990	-2.3	513	284	3548	2054	564	292	224	104	103	109	45	3	0	0	0	0	0	0	
14:08:40	20	4	920	-2.3	555	290	3522	2109	522	308	218	173	37	33	22	0	0	0	0	0	0	0	
14:09:00	20	4	810	-2.3	533	289	3700	2360	542	250	209	154	93	109	32	6	0	0	0	0	0	0	
14:09:20	20	4	730	-2.3	509	287	3734	2106	535	337	212	173	108	129	30	0	0	0	0	0	0	0	
14:09:40	20	4	620	-2.2	527	284	3697	2279	571	250	210	101	108	96	13	0	0	0	0	0	0	0	
14:10:00	20	4	560	-2.2	529	284	3510	2087	519	317	205	163	96	99	22	0	0	0	0	0	0	0	
14:10:20	20	4	470	-2.2	509	291	3897	2500	548	321	183	122	103	96	20	0	0	0	0	0	0	0	
14:10:40	20	4	380	-2.1	504	297	3437	2170	554	290	160	135	103	90	15	0	0	0	0	0	0	0	
14:11:00	20	4	280	-1.9	507	284	3929	2510	590	279	187	167	90	115	6	0	0	0	0	0	0	0	
14:11:20	20	4	210	-1.9	514	292	3574	2343	584	260	154	96	90	64	3	0	0	0	0	0	0	0	
14:11:40	20	4	100	-1.8	509	295	3936	2609	669	247	135	115	74	81	6	0	0	0	0	0	0	0	
14:12:00	20	4	30	-1.9	509	300	3718	2513	545	223	154	129	90	54	9	0	0	0	0	0	0	0	
14:16:00	60	3	15	-1.1	527	315	4252	3214	881	213	120	19	0	2	1	0	0	1	0	0	0	0	
14:17:00	60	3	15	-1.0	531	340	4259	3200	892	220	121	17	0	0	0	0	0	0	0	0	0	0	
14:19:00	60	3	300	-1.6	531	300	4869	3800	755	245	139	22	2	0	1	1	0	0	0	0	0	0	
14:21:00	60	3	615	-2.2	491	258	5036	3903	733	274	161	57	2	1	0	0	0	0	0	0	0	0	
14:23:00	60	3	975	-2.2	472	218	5201	3910	781	280	177	51	0	0	1	0	0	0	0	0	0	0	
14:25:00	60	3	1335	-2.6	453	195	5351	4010	779	230	203	78	0	1	1	0	0	0	0	0	0	0	
14:27:00	60	3	1695	-2.8	432	207	5497	3996	829	337	222	109	1	2	1	0	0	0	0	0	0	0	
14:29:00	60	3	1975	-2.8	435	208	5376	3734	785	397	291	162	0	3	1	2	0	0	0	0	0	0	
14:31:00	60	3	2215	-2.8	432	232	5405	3600	794	411	315	259	9	0	6	3	0	0	0	0	0	0	
14:33:00	60	3	2540	-2.9	424	331	5421	3022	327	537	441	467	54	4	2	0	1	0	0	0	0	0	
14:34:00	60	3	2545	-3.1	444	353	5288	2011	916	700	611	514	132	12	14	11	7	0	1	0	0	0	
14:34:40	20	3	2540	-2.8	427	335	5115	2144	885	721	554	702	74	6	13	13	3	0	0	0	0	0	
14:35:00	20	3	2470	-2.9	427	361	4012	2192	932	564	433	638	61	0	19	0	0	0	0	0	0	0	
14:35:20	20	3	2390	-2.9	440	356	5176	2606	785	628	519	542	77	3	6	0	3	0	0	0	0	0	
14:35:40	20	3	2290	-3.0	437	371	5176	2958	779	490	388	471	71	3	3	10	3	0	0	0	0	0	
14:36:00	20	3	2190	-3.0	449	335	5574	3292	735	590	452	378	45	10	10	0	3	0	0	0	0	0	
14:36:20	20	3	2070	-3.0	444	346	5035	2878	721	516	430	449	20	3	3	3	0	0	0	0	0	0	
14:36:40	20	3	2000	-2.9	436	362	5221	3018	849	513	417	394	23	0	0	3	0	0	0	0	0	0	
14:37:00	20	3	1910	-2.9	442	360	5333	3365	782	503	358	235	10	6	3	10	0	0	0	3	0	0	
14:37:20	20	3	1870	-2.9	449	362	5243	3292	804	516	378	243	6	0	0	3	0	0	0	0	0	0	
14:37:40	20	3	1720	-2.9	470	375	5513	3657	856	426	273	238	3	0	0	0	3	0	0	0	0	0	
14:38:00	20	3	1640	-2.8	457	373	5407	3770	788	439	266	208	3	3	3	0	0	0	0	0	0	0	
14:38:20	20	3	1530	-2.7	466	378	5558	3870	862	340	272	203	0	0	0	0	0	0	0	0	0	0	
14:38:40	20	3	1480	-2.7	472	381	5231	3728	776	343	224	157	0	0	0	3	0	0	0	0	0	0	
14:39:00	20	3	1350	-2.6	505	383	5471	3925	788	353	224	160	6	3	0	3	0	0	0	0	0	0	
14:39:20	20	3	1290	-2.6	499	398	5102	3654	907	314	179	135	0	3	0	0	0	0	0	0	0	0	

DATE -- 02/22/75

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
14:39:40	20	3	1190	-2.6	479	393	5737	4170	859	353	231	122	0	0	0	3	0	0	0	0	0	0	
14:40:00	20	3	1100	-2.6	490	393	5558	4106	821	314	199	115	3	0	0	0	0	0	0	0	0	0	
14:40:20	20	3	1000	-2.6	483	393	5516	4093	927	276	192	119	0	3	0	0	0	0	0	0	0	0	
14:40:40	20	3	930	-2.6	478	394	5026	3737	747	247	189	106	0	0	0	0	0	0	0	0	0	0	
14:41:00	20	3	870	-2.4	483	396	5474	4042	907	298	179	58	0	0	0	0	0	0	0	0	0	0	
14:41:20	20	3	790	-2.3	509	397	5109	3833	734	308	173	54	0	6	0	0	0	0	0	0	0	0	
14:41:40	20	3	690	-2.2	475	399	5212	3821	901	301	144	45	0	0	0	0	0	0	0	0	0	0	
14:42:00	20	3	590	-2.0	535	401	5026	3811	769	247	170	23	0	0	0	0	0	0	0	0	0	0	
14:42:20	20	3	470	-1.9	482	403	4894	3550	804	292	122	13	0	0	0	3	0	0	0	0	0	0	
14:42:40	20	3	410	-2.0	501	399	5167	3897	856	237	151	22	0	3	0	0	0	0	0	0	0	0	
14:43:00	20	3	300	-2.1	508	402	5327	3971	849	282	175	45	3	0	0	0	0	0	0	0	0	0	
14:43:20	20	3	240	-1.9	489	401	5080	3888	788	263	128	13	0	0	0	0	0	0	0	0	0	0	
14:43:40	20	3	170	-1.8	465	408	4801	3622	804	234	128	13	0	0	0	0	0	0	0	0	0	0	
14:44:00	20	3	90	-1.4	471	408	4763	3606	804	279	67	6	0	0	0	0	0	0	0	0	0	0	
14:44:20	20	3	20	-1.3	464	397	4535	3304	779	285	138	23	0	0	0	0	0	0	0	0	0	0	
14:44:40	20	3	70	-.8	535	432	4423	3417	673	231	83	10	10	0	0	0	0	0	0	0	0	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
15:35:20	30	1	95	-.7	432	81	1575	1564	6	2	2	0	0	0	0	0	0	0	0	0	0		
15:37:00	30	1	290	-1.1	427	101	1252	1220	15	0	17	0	0	0	0	0	0	0	0	0	0		
15:40:30	30	1	595	-1.7	413	80	1179	1132	21	9	17	0	0	0	0	0	0	0	0	0	0		
15:42:30	30	1	895	-2.2	418	82	1504	1472	19	2	11	0	0	0	0	0	0	0	0	0	0		
15:44:20	30	1	1190	-2.6	427	83	2134	2102	15	0	6	0	0	0	0	0	0	0	0	0	0		
15:47:40	30	1	1495	-3.1	430	85	3252	3197	32	9	15	0	0	0	0	0	0	0	0	0	0		
15:49:30	30	1	1775	-3.0	435	90	3814	3735	56	13	0	2	0	0	0	2	0	0	0	0	0		
15:51:10	30	1	2075	-3.3	438	97	4474	3494	284	335	150	94	73	21	13	4	0	0	0	0	0		
15:52:50	30	1	2375	-3.4	444	123	5304	3442	503	908	444	274	150	38	39	6	0	2	0	0	0		
15:54:30	20	1	2375	-3.5	445	123	6016	4109	551	712	279	103	128	35	26	3	0	6	0	3	0		
15:54:30	20	1	2375	-3.4	444	124	8355	5913	1218	1152	272	138	93	42	22	13	0	0	0	0	0		
15:55:10	20	1	2280	-3.5	443	113	9401	6067	1574	1243	240	93	35	35	3	10	0	0	0	0	0		
15:55:30	20	1	2190	-3.5	443	113	7872	5587	1035	1003	170	43	22	3	3	0	0	0	0	0	0		
15:55:50	20	1	2100	-3.4	443	95	7178	6141	542	413	48	16	13	3	0	0	0	0	0	0	0		
15:56:10	20	1	2020	-3.4	442	92	5615	5263	237	109	3	3	0	0	0	0	0	0	0	0	0		
15:56:30	20	1	1970	-3.3	440	90	4978	4830	103	42	0	0	0	0	0	0	3	0	0	0	0		
15:56:50	20	1	1840	-3.3	439	91	4208	4135	58	16	0	0	0	0	0	0	0	0	0	0	0		
15:57:10	20	1	1770	-3.3	437	86	3907	3837	61	10	0	0	0	0	0	0	0	0	0	0	0		
15:57:30	20	1	1660	-3.4	436	84	3515	3451	29	29	3	3	0	0	0	0	0	0	0	0	0		
15:57:50	20	1	1585	-3.3	435	84	3402	3300	54	16	10	10	0	0	0	0	0	0	0	0	0		
15:58:10	20	1	1490	-3.4	435	82	3083	3053	25	0	0	0	0	0	0	0	0	0	0	0	0		
15:58:30	20	1	1400	-3.3	435	81	2830	2792	19	3	10	0	0	0	0	0	0	0	0	0	0		
15:58:50	20	1	1320	-3.2	435	80	2304	2272	32	0	0	0	0	0	0	0	0	0	0	0	0		
15:59:10	20	1	1270	-3.2	434	79	2128	2109	10	3	0	0	0	0	0	0	0	0	0	0	0		
15:59:30	20	1	1140	-3.1	432	79	2016	1971	19	3	13	10	0	0	0	0	0	0	0	0	0		
15:59:50	20	1	1050	-3.1	430	79	1939	1913	19	0	3	3	0	0	0	0	0	0	0	0	0		
16:00:10	20	1	960	-3.1	430	78	1853	1840	13	0	0	0	0	0	0	0	0	0	0	0	0		
16:00:30	20	1	890	-3.1	429	78	1375	1356	19	0	0	0	0	0	0	0	0	0	0	0	0		
16:00:50	20	1	790	-2.9	426	80	1234	1193	26	0	6	6	0	0	0	0	0	0	0	0	0		
16:01:10	20	1	700	-2.9	426	80	1170	1157	10	0	3	0	0	0	0	0	0	0	0	0	0		
16:01:30	20	1	610	-2.8	424	80	1039	1033	16	0	0	0	0	0	0	0	0	0	0	0	0		
16:01:50	20	1	520	-2.7	422	81	920	913	6	0	0	0	0	0	0	0	0	0	0	0	0		
16:02:10	20	1	440	-2.6	421	83	949	942	6	0	0	0	0	0	0	0	0	0	0	0	0		
16:02:30	20	1	350	-2.6	420	84	721	712	10	0	0	0	0	0	0	0	0	0	0	0	0		
16:02:50	20	1	270	-2.5	420	85	747	718	19	0	6	3	0	0	0	0	0	0	0	0	0		
16:03:10	20	1	180	-2.5	419	85	686	683	3	0	0	0	0	0	0	0	0	0	0	0	0		
16:03:30	20	1	90	-2.4	418	84	622	606	13	0	3	0	0	0	0	0	0	0	0	0	0		
16:03:50	20	1	00	-2.3	417	77	598	532	19	3	29	10	0	0	0	0	0	0	0	0	0		
16:30:40	30	2	95	-3.6	293	47	5058	4274	774	9	2	0	0	0	0	0	0	0	0	0	0		
16:34:10	30	2	295	-3.8	290	40	5970	5041	917	8	4	2	0	0	0	0	0	0	0	0	0		
16:35:00	30	2	595	-3.8	276	42	6550	5328	1203	13	4	2	2	0	0	0	0	0	0	0	0		
16:37:00	30	2	895	-4.0	279	40	7098	5686	1338	66	6	2	0	0	0	0	0	0	0	0	0		
16:39:00	30	2	1195	-3.8	275	38	7382	5902	1344	120	9	2	0	0	0	0	0	0	0	0	0		
16:40:30	30	2	1495	-4.0	287	38	8545	6528	1553	353	4	6	0	0	0	0	0	0	0	0	0		
16:42:00	30	2	1775	-4.2	262	39	9538	6703	2064	729	11	28	4	0	0	0	0	0	0	0	0		
16:43:30	30	2	2075	-4.4	250	41	12491	4021	4409	3224	256	549	30	2	0	0	0	0	0	0	0		
16:45:28	28	2	2375	-4.6	262	55	21998	3540	5089	4052	1602	5955	1010	451	112	62	14	11	5	0	0		
16:45:50	30	2	2375	-4.7	262	51	13582	2724	3385	3220	767	2222	346	246	71	111	19	43	3	11	6	2	
16:46:20	30	2	2375	-4.6	261	53	19179	3902	5731	4421	1073	3109	415	229	77	113	28	53	11	9	6	4	
16:46:50	30	2	2375	-4.7	258	54	17000	3735	5442	4222	771	1767	328	241	55	173	92	88	28	28	13	6	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
16:47:20	30	2	2370	-4.7	257	55	18000	3697	5329	4455	850	2370	484	353	98	156	81	66	28	17	17	11	
16:47:40	20	2	2370	-4.9	256	54	18235	3673	5010	4064	1035	3231	532	385	103	141	22	42	10	19	6	13	
16:48:00	20	2	2280	-4.7	255	54	20662	3615	5077	4058	1404	4929	611	455	80	115	29	54	13	16	0	6	
16:48:20	20	2	2190	-4.7	255	48	22449	3775	5708	4423	1349	5545	503	298	91	61	13	16	3	6	3	3	
16:48:40	20	2	2100	-4.7	253	45	12744	3064	3862	2878	440	1349	240	292	77	199	57	128	26	38	35	22	
16:49:00	20	2	2020	-4.7	249	40	13361	4115	4843	3506	372	933	45	32	6	20	0	10	3	0	0	3	
16:49:20	20	2	1970	-4.6	244	39	11372	4154	3078	2545	108	327	42	33	19	20	10	29	13	13	3	6	
16:49:40	20	2	1840	-4.8	248	38	10401	4538	3473	1387	80	160	13	26	32	35	13	16	6	10	6	0	
16:50:00	20	2	1750	-4.7	249	36	10003	5517	2724	1186	51	64	6	19	10	6	3	0	6	3	0	0	
16:50:20	20	2	1660	-4.6	252	35	8728	5189	1353	641	20	16	0	3	0	0	0	0	0	0	0	0	
16:50:40	20	2	1580	-4.5	249	34	8103	5750	1953	481	13	6	0	0	0	0	0	0	0	0	0	0	
16:51:00	20	2	1490	-4.5	245	34	8224	5183	1596	413	6	19	0	0	0	0	0	0	0	0	0	0	
16:51:20	20	2	1400	-4.4	238	34	8581	5828	1519	292	13	10	0	0	0	0	0	0	0	0	0	0	
16:51:40	20	2	1320	-4.3	239	33	7866	5022	1612	231	0	0	0	0	0	0	0	0	0	0	0	0	
16:52:00	20	2	1230	-4.3	239	32	7811	5154	1468	173	10	6	0	0	0	0	0	0	0	0	0	0	
16:52:20	20	2	1140	-4.2	242	33	7735	5173	1459	122	13	3	6	0	0	0	0	0	0	0	0	0	
16:52:40	20	2	1050	-4.2	245	33	7510	5901	1471	135	0	3	0	0	0	0	0	0	0	0	0	0	
16:53:00	20	2	960	-4.2	244	34	7179	5795	1301	74	10	0	0	0	0	0	0	0	0	0	0	0	
16:53:20	20	2	880	-4.2	245	34	7016	5692	1268	48	0	3	0	0	0	0	0	0	0	0	0	0	
16:53:40	20	2	790	-4.1	244	34	6822	5321	1224	71	3	3	0	0	0	0	0	0	0	0	0	0	
16:54:00	20	2	700	-4.1	241	34	6880	5365	1203	32	0	0	0	0	0	0	0	0	0	0	0	0	
16:54:20	20	2	610	-4.0	241	34	6635	5443	1131	51	0	3	0	0	0	0	0	0	0	0	0	0	
16:54:40	20	2	520	-4.0	239	35	5861	4939	917	28	0	0	0	0	0	0	0	0	0	0	0	0	
16:55:00	20	2	440	-3.9	239	35	5934	4962	1005	16	0	0	0	0	0	0	0	0	0	0	0	0	
16:55:20	20	2	350	-3.8	238	34	5599	4689	887	13	9	3	0	0	0	0	0	0	0	0	0	0	
16:55:40	20	2	270	-3.7	231	35	5423	4400	817	13	3	0	0	0	0	0	0	0	0	0	0	0	
16:56:00	20	2	190	-3.6	231	34	5202	4285	901	13	0	3	0	0	0	0	0	0	0	0	0	0	
16:56:20	20	2	90	-3.6	225	33	4904	4135	747	13	3	0	0	0	0	0	0	0	0	0	0	0	
16:56:40	20	2	00	-3.4	221	28	4603	3902	692	10	0	0	0	0	0	0	0	0	0	0	0	0	
17:00:00	30	3	00	-3.1	201	25	6583	4872	953	400	274	75	2	4	4	0	0	0	0	0	0	0	
17:01:30	30	3	290	-3.2	192	25	6626	4855	927	455	288	82	2	0	0	4	0	2	0	0	0	0	
17:03:00	30	3	590	-3.4	185	27	6923	5028	972	410	303	192	2	0	0	2	0	0	0	0	0	0	
17:04:30	30	3	890	-3.5	190	27	7032	4785	959	598	444	276	9	2	6	0	2	0	0	0	0	0	
17:06:00	30	3	1190	-3.6	188	25	6534	4004	1368	524	440	330	13	0	0	2	2	0	0	0	0	0	
17:09:00	30	3	1490	-3.8	185	23	6786	3788	1045	744	575	562	51	0	9	0	4	0	0	0	0	0	
17:12:00	30	3	1770	-4.0	144	20	7782	2267	1571	1233	1021	1275	731	28	13	20	19	0	0	0	0	0	
17:13:30	30	3	2070	-4.1	148	22	11541	1660	1744	1944	1780	2141	1528	122	120	190	241	41	13	13	2	2	
17:14:30	30	3	2370	-4.0	143	22	10207	1783	1538	1697	1539	1773	1306	91	49	122	171	53	23	41	39	11	
17:15:00	30	3	2370	-4.1	142	22	8344	1579	1331	1278	1269	1041	824	41	41	82	158	20	13	32	11	4	
17:18:10	30	3	2370	-4.3	128	29	17090	1739	1537	2238	2212	2724	2197	237	348	1107	1577	346	185	254	195	52	
17:18:40	30	3	2370	-4.4	121	30	19788	1758	1761	2575	2724	3205	2791	338	452	1100	1703	562	197	271	213	73	
17:20:00	20	3	2280	-4.5	109	25	10939	744	631	1240	1381	1503	1034	240	369	1186	1747	317	95	151	71	29	
17:20:20	20	3	2190	-4.4	103	21	20706	1404	1285	2491	2593	3077	2490	577	660	2095	3019	910	199	240	105	19	
17:20:40	20	3	2100	-4.4	101	19	20571	1198	1295	2640	2734	3430	2913	712	779	1827	2394	244	71	64	17	0	
17:21:00	20	3	2020	-4.4	98	17	13744	1628	1735	2750	3020	3372	2533	397	401	901	1154	125	45	93	19	10	
17:21:20	20	3	1930	-4.3	97	16	13375	1651	1984	2054	2224	2702	1099	144	157	304	309	26	17	22	0	6	
17:21:40	20	3	1840	-4.3	94	15	9378	1703	1760	1724	1925	1933	333	35	51	74	77	0	3	0	0	0	
17:22:00	20	3	1750	-4.2	91	15	8590	1805	1571	1507	1279	1529	900	42	29	58	29	0	0	0	0	0	
17:22:20	20	3	1660	-4.2	89	14	8439	2343	1385	1301	1087	1304	420	19	26	22	26	0	0	0	0	0	
17:22:40	20	3	1580	-4.2	87	14	7029	2375	1457	1026	827	917	327	13	22	13	6	0	0	0	0	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
17:23:00	20	3	1490	-4.2	86	14	7449	2824	1465	1179	849	388	139	6	13	10	16	0	0	0	0	0	
17:23:20	20	3	1400	-4.1	86	14	6571	2859	1269	923	609	747	128	16	10	3	6	0	0	0	0	0	
17:23:40	20	3	1320	-4.0	85	13	6205	3030	1083	724	651	505	42	16	3	0	0	0	0	0	0	0	
17:24:00	20	3	1270	-4.0	84	13	6064	3292	1050	644	516	484	10	6	10	6	0	0	0	0	0	0	
17:24:20	20	3	1140	-4.0	82	13	6295	3737	974	628	551	385	13	0	6	0	0	0	0	0	0	0	
17:24:40	20	3	1050	-4.0	80	13	6253	3894	946	577	397	413	20	0	0	0	0	0	0	0	0	0	
17:25:00	20	3	960	-3.9	78	12	6372	4356	1087	660	420	337	9	3	0	3	0	0	0	0	0	0	
17:25:20	20	3	880	-3.8	77	12	5910	3833	936	455	420	250	13	0	3	0	0	0	0	0	0	0	
17:25:40	20	3	790	-3.8	76	12	6434	4327	1006	500	413	240	0	3	3	0	0	0	0	0	0	0	
17:26:00	20	3	700	-3.8	75	12	5901	4064	853	439	343	192	0	0	3	0	0	0	0	0	0	0	
17:26:20	20	3	610	-3.7	75	12	6353	4439	997	497	356	153	0	10	0	0	0	0	0	0	0	0	
17:26:40	20	3	520	-3.7	74	12	6455	4590	933	455	292	183	3	0	0	0	0	0	0	0	0	0	
17:27:00	20	3	440	-3.6	73	13	6465	4543	949	452	340	163	3	0	0	0	3	0	0	0	0	0	
17:27:20	20	3	350	-3.6	72	12	6324	4500	885	455	327	151	3	0	0	0	3	0	0	0	0	0	
17:27:40	20	3	270	-3.7	71	12	6429	4446	1003	478	340	150	3	0	3	3	0	0	0	0	3	0	
17:28:00	20	3	180	-3.4	69	12	6186	4503	930	333	266	138	3	3	3	0	0	0	0	0	0	0	
17:28:20	20	3	90	-3.4	68	12	6314	4625	913	423	269	80	3	0	0	0	0	0	0	0	0	0	
17:28:40	20	3	00	-3.3	5	12	6385	4657	978	417	266	81	0	0	6	0	0	0	0	0	0	0	
17:30:10	30	4	00	-2.9	62	11	5011	2663	310	483	365	254	197	143	77	4	2	0	0	0	0	0	
17:30:40	30	4	05	-2.9	60	11	4774	2487	793	504	378	233	147	160	62	2	2	4	0	0	0	0	
17:32:10	30	4	295	-3.1	54	10	4855	2265	793	577	400	236	186	226	111	0	4	4	0	2	0	0	
17:33:40	30	4	585	-3.4	48	9	5254	2330	878	620	423	344	254	197	182	0	2	0	2	2	0	0	
17:35:10	30	4	895	-3.5	44	8	5278	1938	1013	950	515	373	261	231	207	13	2	0	0	2	0	2	
17:36:40	30	4	1185	-3.7	41	7	5917	1333	1212	882	647	571	417	380	389	80	6	2	6	2	4	0	
17:38:10	30	4	1395	-3.8	41	7	6835	1137	1402	1071	765	553	530	513	532	234	6	13	4	9	4	13	
17:39:40	30	4	1685	-4.2	38	7	12049	1171	1677	1547	1208	1287	1171	1058	1241	1340	33	51	32	28	34	41	
17:41:00	30	4	1975	-4.4	33	8	17705	1470	1353	1209	1092	1739	1788	1733	1846	2684	541	288	233	261	569	784	
17:42:50	30	4	2375	-4.5	31	9	20256	1585	1383	1295	1282	2083	2024	1904	2062	3023	419	291	295	472	789	1301	
17:43:20	30	4	2375	-4.5	29	9	21278	1577	1485	1562	1370	2123	1349	1983	2137	3210	519	308	357	432	901	1395	
17:43:49	29	4	2375	-4.6	28	9	21379	1565	1437	1362	1302	2047	1092	1782	2080	2984	449	298	347	555	1322	1978	
17:44:00	11	4	2375	-4.6	27	9	22302	1801	1294	1445	1230	2010	1934	1684	1707	2270	425	373	431	775	1953	3310	
17:44:20	20	4	2280	-4.7	27	8	21843	1522	1449	1337	1314	1800	1724	1715	1788	2875	500	330	365	596	1703	2705	
17:44:40	20	4	2190	-4.7	25	7	22250	1542	1369	1330	1282	2196	2234	2071	2433	3551	615	397	401	500	933	1397	
17:45:00	20	4	2090	-4.6	24	6	21878	1622	1298	1423	1237	2135	2170	2100	2321	3280	667	356	340	535	971	1410	
17:45:20	20	4	2000	-4.6	24	6	19446	1350	1734	1503	1455	2157	1809	1307	2298	3356	410	196	196	193	359	452	
17:45:40	20	4	1910	-4.5	23	5	15856	1237	1582	1564	1439	1063	1006	1886	1808	2452	212	74	99	54	176	202	
17:46:00	20	4	1730	-4.5	19	5	14430	1269	1563	1539	1380	1551	1462	1426	1571	1952	193	54	61	96	90	138	
17:46:40	20	4	1640	-4.5	18	5	10891	1064	1705	1558	1212	1135	1042	962	987	1064	55	22	13	19	29	38	
17:47:00	20	4	1550	-4.5	18	5	10531	1157	1744	1542	1260	1077	1058	901	997	885	38	29	13	13	22	16	
17:47:20	20	4	1460	-4.4	18	5	9462	1221	1772	1474	1045	1010	808	744	680	587	32	10	22	10	19	19	
17:47:40	20	4	1370	-4.3	18	5	7824	1283	1463	1115	930	772	670	577	538	413	10	6	3	6	6	10	
17:48:00	20	4	1270	-4.2	18	4	7314	1154	1522	1192	840	544	538	522	545	240	6	0	3	0	6	0	
17:48:20	20	4	1180	-4.2	18	4	6087	1122	1292	901	753	458	516	436	455	121	10	3	3	3	3	0	
17:48:40	20	4	1090	-4.2	17	4	5676	1330	1378	978	705	663	554	538	413	93	10	3	0	0	0	3	
17:49:00	20	4	1000	-4.1	17	4	5535	1304	1208	811	622	487	324	346	369	54	6	3	0	0	0	0	
17:49:20	20	4	910	-4.1	16	4	5952	1474	1282	875	571	516	429	385	378	32	0	6	0	0	3	3	
17:49:40	20	4	820	-4.0	15	4	5801	1622	1167	843	582	484	381	369	314	26	0	3	0	3	0	0	
17:50:00	20	4	720	-3.9	15	4	5359	1715	1038	821	503	423	327	263	240	13	6	0	3	0	0	0	
17:50:20	20	4	640	-3.5	14	4	5202	1843	904	728	462	439	295	298	208	13	3	0	3	3	3	0	
17:50:40	20	4	550	-3.8	14	4	5301	1753	1103	763	542	372	314	244	199	10	0	0	0	3	0	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
17:51:00	20	4	450	-3.8	13	4	5333	1817	1090	721	551	365	285	266	221	6	0	0	3	0	0	0	
17:51:20	20	4	360	-3.7	13	4	5054	1952	923	567	500	436	282	237	147	6	0	0	0	0	6	0	
17:51:40	20	4	270	-3.6	12	4	5487	2255	1042	670	487	353	234	263	141	0	0	0	0	0	0	3	
17:52:00	20	4	180	-3.6	12	4	4783	2237	837	526	353	238	212	205	96	0	6	0	3	0	0	0	
17:52:20	20	4	90	-3.5	11	4	4920	2353	821	577	359	253	250	221	74	3	3	6	0	0	0	0	
17:52:40	20	4	00	-3.4	11	4	4355	2253	974	545	365	317	192	215	74	3	3	6	0	3	3	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
07:15:50	30	1	-45	-1.0	2	2	6891	4064	1765	752	105	90	38	24	6	4	9	6	4	4	8	13	21
07:16:40	30	1	-45	-1.0	2	2	6530	3239	1342	1053	190	38	34	15	11	11	9	11	4	2	9	4	
07:20:30	30	1	245	-1.3	2	2	6769	2498	1716	1402	498	342	167	82	32	11	2	17	9	9	2	6	
07:22:40	30	1	545	-1.5	2	2	7143	2143	1761	1573	680	434	253	105	75	32	15	17	10	0	9	11	
07:24:20	30	1	865	-1.9	2	2	7436	2300	1923	1393	570	429	338	145	77	45	24	24	21	15	11	24	
07:26:20	30	1	1175	-2.1	2	2	7329	1950	1563	1528	340	511	470	197	85	51	28	15	24	24	21	15	10
07:28:00	30	1	1495	-2.4	2	2	8132	2000	2073	1480	814	735	504	201	100	66	32	45	23	28	21	19	
07:29:50	30	1	1805	-2.5	2	2	8034	2120	1376	1438	748	567	528	256	118	113	45	41	17	15	34	15	
07:32:50	30	1	1505	-2.5	2	2	7810	2082	1771	1274	737	567	530	241	130	115	43	26	41	17	21	13	
07:34:40	30	1	1190	-2.3	2	2	7714	2110	1380	1532	671	635	442	192	88	51	28	21	24	15	11	9	
07:36:40	30	1	890	-2.1	2	2	7321	2150	1998	1472	771	604	410	167	43	32	17	0	11	30	9	13	
07:38:40	30	1	590	-1.9	2	2	6375	2231	1325	1234	585	425	303	94	47	21	9	13	13	9	0	11	
07:40:50	30	1	275	-1.6	2	2	6735	2579	1771	1270	479	256	150	49	26	15	4	13	2	0	4	11	
07:42:50	30	1	85	-1.4	2	2	6756	3297	1814	1132	230	135	35	11	9	4	6	2	4	2	4	0	
07:44:20	30	1	85	-1.3	2	2	6997	3380	1677	1238	259	118	66	11	11	2	9	11	2	6	4	6	
07:45:10	30	1	85	-1.4	2	2	6370	2936	1795	1197	231	124	36	11	9	6	11	9	2	2	0	0	
07:45:50	30	1	85	-1.4	2	2	6147	2917	1675	1105	194	120	49	9	13	9	2	4	4	0	2	2	
07:48:40	30	2	85	-1.2	2	2	9102	2294	2720	832	1126	1362	229	109	83	36	45	21	15	13	13	2	22
07:50:50	30	2	285	-1.4	2	2	9970	2351	2925	791	1216	1515	470	224	199	100	113	49	32	15	17	9	
07:52:40	30	2	560	-1.4	2	2	9353	2278	2735	775	1025	1455	435	224	278	132	205	90	58	38	28	15	
07:54:20	30	2	865	-1.6	2	2	10419	2282	2571	761	879	1393	980	372	449	314	314	145	109	81	43	24	
07:56:10	30	2	1195	-1.8	2	2	9094	2011	2332	733	754	1090	410	274	419	303	303	158	167	95	77	41	
07:58:00	30	2	1495	-2.0	2	2	10861	2500	3113	737	1309	1233	449	234	259	220	263	137	119	99	49	30	
08:00:10	30	2	1195	-1.9	2	2	9744	2454	2532	748	927	974	449	235	306	239	236	154	111	50	73	30	
08:02:10	30	2	875	-1.8	2	2	9740	2637	2910	904	925	1000	348	179	224	209	209	118	90	41	34	19	
08:04:10	30	2	580	-1.6	2	2	9468	2408	2584	759	1145	1333	368	194	199	92	122	73	51	15	19	8	
08:06:00	30	2	295	-1.4	2	2	9844	2566	3020	797	1201	1404	384	158	152	81	81	34	43	4	8	13	
08:07:50	30	2	35	-1.3	2	2	7958	2297	2502	703	874	1118	197	88	77	28	11	0	2	11	2	2	
08:08:40	30	2	35	-1.2	2	2	8254	2475	2813	739	1000	1094	141	75	73	15	19	2	4	0	0	0	
12:14:30	30	1	10	.7	493	137	4538	3951	444	162	4	0	2	0	0	0	6	4	2	2	0	0	23
12:16:30	30	1	270	.2	486	151	6250	2940	1872	1175	171	34	13	13	6	2	2	2	0	4	6	6	
12:18:00	30	1	575	-.2	489	183	8152	2556	2271	2263	803	220	107	49	24	17	11	4	2	11	4	11	
12:19:50	30	1	860	-.5	492	240	6434	2061	1308	1451	677	425	216	118	38	30	30	13	17	0	15	9	
12:21:30	30	1	1180	-.7	500	303	8628	2233	1607	1147	443	363	355	179	80	90	51	28	21	11	15	13	
12:23:00	30	1	1495	-.7	506	352	8376	2192	1568	1159	335	282	241	162	141	88	47	43	39	21	17	24	
12:23:30	30	1	1495	-.8	506	353	8545	2314	1643	1135	390	274	241	156	109	92	92	45	43	20	34	21	
12:24:00	30	1	1495	-.8	505	356	8517	2378	1519	1184	372	259	209	165	100	94	71	47	28	28	30	30	
12:24:30	30	1	1495	-.9	505	357	7246	2457	1620	1457	494	340	291	159	124	80	75	60	20	30	10	28	
12:25:30	20	1	1490	-.9	505	363	8548	2183	1381	1321	538	343	279	173	71	90	64	38	26	26	19	18	
12:25:50	20	1	1440	-.9	505	359	7236	2440	1554	1458	554	331	321	170	119	83	58	35	25	29	18	13	
12:26:10	20	1	1390	-.9	503	348	7022	2237	1356	1487	641	388	317	189	103	48	45	51	35	29	22	13	
12:26:30	20	1	1280	-.9	502	335	7147	2362	1367	1359	630	448	375	205	80	90	67	20	15	22	10	22	
12:26:50	20	1	1210	-.9	499	317	6731	1929	1244	1272	723	513	510	193	71	55	32	13	22	10	13	29	
12:27:10	20	1	1100	-.7	495	308	7071	2138	1109	1449	897	692	394	147	90	51	29	13	19	16	13	13	
12:27:30	20	1	1070	-.7	491	298	7138	1673	1051	1525	1025	835	529	154	74	43	26	16	9	6	7	15	
12:27:50	20	1	930	-.6	490	272	8978	1381	1417	1712	1080	734	401	128	45	19	13	13	9	13	13	3	
12:28:10	20	1	850	-.5	488	228	9368	1702	971	1705	1003	824	391	144	45	42	16	10	0	10	3	13	
12:28:30	20	1	780	-.6	479	187	5548	2100	869	1090	506	452	237	98	64	32	35	16	13	3	9	10	
12:28:50	20	1	690	-.5	475	171	7096	2321	1397	1543	724	526	362	103	48	22	15	0	10	6	9	13	
12:29:10	20	1	590	-.5	470	171	5994	2093	1154	1349	631	399	192	90	38	19	19	10	0	6	3	6	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
12:29:30	20	1	510	-.4	463	138	6061	1974	1282	1490	620	353	221	90	10	10	13	6	6	0	0	3	
12:29:50	20	1	410	-.3	464	127	5240	1426	1288	1554	629	260	95	29	13	22	6	3	3	3	0	0	
12:30:10	20	1	330	-.1	459	116	6446	1775	1769	1990	545	202	83	19	6	13	6	6	13	6	0	3	
12:30:30	20	1	270	.0	458	108	4942	2131	968	1280	298	157	74	0	19	13	6	3	0	0	0	0	
12:30:50	20	1	150	.0	454	102	5157	3133	335	732	144	74	29	6	16	6	10	3	0	0	0	0	
12:31:10	20	1	50	.1	455	95	5016	3781	670	474	35	13	10	3	10	0	3	3	0	0	0	0	
12:31:30	20	1	-10	.2	455	79	4307	4324	375	157	10	3	0	0	3	10	0	0	3	0	3	3	
12:31:50	20	1	-10	.5	448	74	5190	4443	462	224	0	0	0	3	0	0	6	10	3	0	3	0	
12:33:50	30	2	-10	.3	449	82	6235	2026	2348	1092	321	423	6	4	4	2	2	2	0	0	0	2	
12:34:20	30	2	-10	.4	449	76	6141	2132	2316	991	259	464	19	4	4	6	0	0	0	0	2	4	
12:34:50	30	2	-15	.5	449	85	5974	2030	2222	974	333	374	21	4	0	0	0	4	0	0	0	0	
12:38:00	30	2	200	.3	444	97	8353	1953	2331	1123	735	1423	288	240	34	73	38	21	11	9	2	0	
12:40:00	30	2	550	.2	440	112	7755	2017	2203	1124	540	310	209	213	171	139	130	92	41	36	11	19	
12:41:40	30	2	860	.0	450	157	7934	1526	1731	827	462	938	485	481	387	440	280	197	60	64	24	32	
12:43:20	30	2	1170	-.1	461	229	7273	1256	1259	560	397	335	466	490	496	476	335	306	154	94	60	47	
12:45:00	30	2	1490	-.3	478	311	6466	1788	2085	910	329	731	255	382	322	300	308	333	205	139	64	73	
12:45:30	30	2	1495	-.4	476	311	9632	1727	2280	972	457	395	434	404	485	476	502	425	241	175	77	98	
12:46:00	30	2	1499	-.4	470	306	9812	2085	2550	1100	515	960	348	357	305	350	370	333	214	130	99	93	
12:46:20	20	2	1430	-.4	475	292	10407	2413	2845	1234	631	1015	301	333	272	346	349	247	183	125	78	84	
12:46:40	20	2	1390	-.4	471	275	9340	2128	2583	1170	410	782	282	322	266	340	276	292	205	115	43	29	
12:47:00	20	2	1290	-.5	469	259	10003	2221	2510	1215	435	952	471	423	394	420	279	298	141	103	87	45	
12:47:20	20	2	1240	-.6	467	245	9905	2108	2141	1128	372	859	474	513	442	510	295	372	176	102	61	29	
12:47:40	20	2	1150	-.5	467	225	10135	2487	2554	1131	397	317	423	471	417	452	314	327	141	99	58	35	
12:48:00	20	2	1100	-.6	467	210	9218	2353	2593	1221	385	792	381	324	244	314	183	221	80	77	32	28	
12:48:20	20	2	1030	-.5	464	208	9095	2231	2343	942	445	388	404	333	356	346	272	266	93	90	45	35	
12:48:40	20	2	970	-.5	461	199	9381	2156	2465	982	503	1087	420	342	375	311	247	176	125	93	39	51	
12:49:00	20	2	890	-.4	453	181	9856	2170	2554	1064	723	1139	407	404	378	285	253	212	95	48	29	42	
12:49:20	20	2	840	-.4	457	169	10265	2003	2631	1103	654	1266	526	487	458	401	288	221	74	67	42	45	
12:49:40	20	2	760	-.4	459	153	8987	1795	2103	926	494	1061	561	500	446	404	301	176	96	67	32	26	
12:50:00	20	2	710	-.3	456	140	8298	2147	2484	1144	518	910	534	231	154	141	122	87	51	42	13	22	
12:50:20	20	2	620	-.3	451	123	8484	2123	2504	1205	576	1138	196	147	80	122	48	77	48	13	35	16	
12:50:40	20	2	570	-.2	448	121	8907	2173	2485	1280	859	1458	218	128	74	83	42	42	45	29	13	19	
12:51:00	20	2	490	-.2	448	113	8952	2144	2330	1173	760	1605	298	193	115	99	61	71	33	26	26	22	
12:51:20	20	2	440	-.1	443	103	9200	2109	2280	1170	865	1854	285	224	119	135	80	67	61	61	10	32	
12:51:40	20	2	390	-.1	439	96	8709	1703	2133	1247	979	1310	285	209	51	57	48	61	26	19	10	6	
12:52:00	20	2	300	-.1	439	92	8256	1920	2301	1205	702	1535	179	170	64	42	32	35	22	6	9	19	
12:52:20	20	2	230	.0	436	87	8831	1782	2301	1197	340	2977	256	218	48	42	10	22	15	0	0	3	
12:52:40	20	2	180	.0	429	82	8426	2042	2509	1272	721	1497	151	131	38	22	13	10	3	6	3	10	
12:53:00	20	2	100	.1	427	73	8202	1838	2410	1205	1054	2030	253	215	35	30	3	6	6	0	0	0	
12:53:20	20	2	50	.1	428	71	8272	2048	2468	1333	734	1471	105	84	6	3	6	0	6	3	3	0	
12:53:40	20	2	00	.1	428	56	7337	2173	2615	1278	510	573	45	3	6	3	10	3	0	3	10	0	
12:54:00	20	2	00	.1	429	60	5875	1738	2420	1077	263	288	10	10	3	3	3	6	3	0	0	0	
12:55:10	30	3	00	.5	432	60	8051	1120	938	1359	1291	1494	556	177	280	462	338	13	11	9	4	0	
12:56:50	30	3	270	.4	438	96	12038	1404	1282	1502	1432	1759	476	237	545	1329	1026	237	278	265	71	96	
12:58:20	30	3	550	.2	447	126	10981	1449	1188	1468	1269	1372	500	171	402	994	829	299	380	359	139	156	
13:00:00	30	3	865	.2	459	175	12469	1532	1427	1759	1545	1703	729	190	489	1132	979	256	218	188	120	197	
13:01:30	30	3	1185	-.1	465	231	11218	1380	1218	1564	1467	1870	581	231	474	991	737	130	207	162	100	109	
13:03:00	30	3	1495	-.1	468	280	11109	1541	1389	1591	1403	1773	528	189	415	1000	630	135	267	158	63	173	
13:03:30	30	3	1495	-.3	467	281	11357	1500	1256	1588	1511	1892	590	194	421	917	665	156	218	214	72	160	
13:04:00	30	3	1495	-.3	467	278	11543	1532	1417	1675	1481	1910	536	184	410	974	641	126	239	177	77	159	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
13:04:00	20	3	1470	-.3	465	263	11471	1540	1250	1614	1657	1859	455	218	465	968	548	135	189	138	67	160	
13:04:40	20	3	1350	-.4	461	248	11501	1702	1343	1554	1554	1337	452	202	490	1022	500	93	208	147	96	160	
13:05:00	20	3	1240	-.4	455	228	11885	1651	1298	1670	1676	1949	404	224	526	1151	654	115	205	131	80	151	
13:05:20	20	3	1170	-.3	452	211	11008	1434	1170	1558	1420	1323	446	192	500	1016	554	93	212	179	93	157	
13:05:40	20	3	1090	-.3	448	192	11422	1413	1388	1809	1439	2016	455	215	471	1154	593	112	189	160	83	125	
13:06:00	20	3	990	-.4	440	160	11404	1345	1203	1670	1391	1702	503	221	554	1224	639	144	208	228	61	183	
13:06:20	20	3	890	-.3	438	140	11703	1405	1185	1571	1522	1974	571	240	513	1231	740	157	247	179	84	103	
13:06:40	20	3	810	-.3	433	128	11442	1293	1212	1586	1423	1872	548	208	503	1223	843	154	170	173	90	125	
13:07:00	20	3	700	-.3	428	116	10528	1269	1228	1532	1417	1695	535	240	442	885	590	122	186	106	74	122	
13:07:20	20	3	630	-.3	424	109	10269	1375	1187	1474	1423	1446	558	219	362	853	606	131	202	231	122	131	
13:07:40	20	3	530	-.2	419	100	10577	1256	1064	1292	1132	1503	497	138	372	971	504	288	413	346	183	212	
13:08:00	20	3	400	-.2	418	92	11304	1331	1099	1458	1349	1715	516	157	433	1162	346	353	481	385	167	202	
13:08:20	20	3	350	-.1	415	79	10837	1150	1090	1385	1199	1554	462	167	442	1183	872	298	369	365	131	125	
13:08:40	20	3	280	.0	410	76	10173	1234	1093	1458	1317	1535	458	167	404	965	539	196	256	231	54	115	
13:09:00	20	3	190	.0	405	68	9609	1051	946	1250	1228	1468	526	202	455	978	910	205	202	160	48	71	
13:09:20	20	3	100	.1	403	60	10384	1324	1095	1440	1218	1558	651	224	510	1133	1071	244	179	183	93	48	
13:09:40	20	3	00	.2	401	52	10712	1343	1228	1478	1253	1420	564	208	500	1202	968	192	160	131	42	16	
13:10:00	20	3	00	.3	404	44	7962	1083	817	1337	1228	1365	542	192	359	567	397	22	10	22	13	6	
13:10:20	20	3	00	.3	404	40	9468	1265	1100	1484	1224	1452	763	139	401	872	558	64	35	19	19	3	
13:11:40	30	1	00	.1	3	44	12333	10410	353	991	35	9	0	9	4	4	6	2	4	2	4	2	
13:13:30	30	1	280	.1	410	72	11803	8162	1109	2024	239	107	56	38	11	4	9	11	6	6	15	6	
13:13:50	30	1	550	-.1	409	81	11444	5923	1132	2132	442	291	152	90	62	47	15	15	4	15	9	17	
13:14:30	30	1	860	-.3	421	131	10748	5868	964	1929	767	511	299	145	83	53	47	21	13	13	17	17	24
13:15:30	30	1	1185	-.4	435	195	10774	5547	1107	2233	799	310	267	192	118	58	47	32	17	24	19	15	
13:16:40	30	1	1490	-.3	461	272	9338	4703	979	1489	453	432	421	278	173	124	77	34	24	15	21	26	
13:20:00	20	1	1480	-.3	463	275	9054	4692	885	1510	369	407	413	295	163	113	80	42	42	13	6	19	
13:20:20	20	1	1470	-.3	461	271	8933	4516	958	1487	429	381	436	228	186	93	77	54	29	22	13	22	
13:20:40	20	1	1350	-.3	457	250	7952	4141	827	1147	372	349	404	218	138	141	99	29	35	22	19	10	
13:21:00	20	1	1270	-.4	455	234	8010	4526	946	1657	413	340	495	212	147	106	54	48	38	16	19	22	
13:21:20	20	1	1190	-.4	455	215	8436	3340	760	1750	837	776	474	228	93	67	58	29	6	3	10	6	
13:21:40	20	1	1050	-.4	449	190	7821	3859	750	1574	429	397	295	160	131	64	48	38	22	22	13	16	
13:22:00	20	1	990	-.4	447	178	9045	4080	1080	1997	561	452	365	160	167	95	64	19	38	29	16	19	
13:22:20	20	1	890	-.4	445	158	8545	4237	804	1772	506	301	288	192	122	71	51	35	10	26	10	19	
13:22:40	20	1	790	-.3	443	148	8260	4462	885	1526	468	321	228	141	77	64	35	26	13	3	3	10	
13:23:00	20	1	690	-.3	440	138	7439	3309	762	1404	660	571	365	147	54	26	19	3	6	22	3	6	
13:23:20	20	1	610	-.2	438	126	8538	3763	1019	1599	833	531	308	170	58	15	16	3	15	3	3	0	
13:23:40	20	1	490	-.2	430	105	7538	3446	1095	1612	542	397	208	103	61	26	10	16	13	0	6	3	
13:24:00	20	1	420	-.2	432	95	7064	3872	1045	1346	255	183	128	67	45	25	26	19	15	3	13	6	
13:24:20	20	1	310	-.2	429	85	6625	3971	869	1032	304	167	103	87	32	29	6	10	3	10	0	3	
13:24:40	20	1	240	-.1	422	73	6715	3904	907	1224	282	170	67	54	32	20	10	16	0	6	10	3	
13:25:00	20	1	170	-.1	419	75	7253	4340	1042	1340	231	122	77	48	10	16	0	3	0	10	13	3	
13:25:20	20	1	00	.0	410	67	7815	3894	1356	1226	308	71	26	3	0	3	0	6	10	10	3	0	
13:25:40	20	1	00	.1	413	52	7735	4641	1394	1593	122	26	0	10	3	0	3	3	0	0	0	0	
13:26:00	20	1	00	.1	413	51	8644	4003	1122	1356	87	13	13	6	6	10	6	3	3	10	0	6	
13:27:00	30	2	00	.4	410	47	7293	2137	2432	1177	513	313	77	13	0	11	0	4	2	2	4	2	
13:28:40	30	2	270	.4	411	81	10084	2150	2228	1344	919	2419	813	481	169	147	43	38	4	13	4	0	
13:30:10	30	2	560	.3	415	104	10295	1959	2100	1011	552	1771	669	903	511	382	192	135	45	45	15	4	
13:31:40	30	2	870	.0	427	143	9402	2124	2254	1115	504	1094	397	380	391	263	288	263	139	88	49	51	
13:33:10	30	2	1180	-.2	441	201	9348	2220	2511	1000	573	1274	353	312	325	263	314	220	141	120	60	68	
13:34:30	30	2	1490	-.2	455	261	10259	2593	2724	1312	673	1370	222	241	165	203	194	184	132	128	71	79	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
13:35:20	30	2	1495	-.2	456	263	3376	2427	2459	1342	633	1372	222	263	173	203	199	222	147	132	85	90	
13:35:40	20	2	1420	-.2	454	253	10311	2353	2837	1353	679	1317	260	250	147	247	186	224	122	141	83	112	
13:36:00	20	2	1350	-.2	451	235	10744	2554	2974	1381	755	1471	288	228	147	141	167	247	103	122	103	61	
13:36:20	20	2	1230	-.2	448	220	10586	2554	2708	1349	641	1580	359	298	170	221	157	234	128	99	115	71	
13:36:40	20	2	1150	-.3	446	207	10192	2352	2760	1253	532	1303	292	337	205	283	240	208	138	112	77	71	
13:37:00	20	2	1040	-.3	440	189	9734	2042	2522	1228	551	1292	311	260	224	269	250	276	186	154	67	103	
13:37:20	20	2	970	-.3	437	174	10433	2276	2554	1270	593	1263	369	349	333	333	311	298	185	151	61	64	
13:37:40	20	2	850	-.3	432	154	9166	1984	2276	981	484	1074	369	397	365	292	330	231	157	147	51	48	
13:38:00	20	2	780	-.3	427	141	10404	2250	2484	1175	724	1641	301	435	240	327	256	250	138	74	61	45	
13:38:20	20	2	690	-.3	424	123	10458	2340	2505	1231	686	1647	375	365	247	292	221	256	99	109	22	61	
13:38:40	20	2	590	-.2	419	103	10355	2410	2583	1397	522	1533	439	401	276	272	253	218	133	54	49	61	
13:39:00	20	2	490	-.2	417	98	10372	2265	2471	1253	715	1603	473	439	276	270	189	154	87	58	38	42	
13:39:20	20	2	410	-.1	412	90	9513	2000	2433	1244	753	1756	256	292	228	123	147	103	38	58	32	29	
13:39:40	20	2	290	-.1	410	82	9413	2170	2394	1234	801	1619	301	247	138	138	125	112	58	42	16	19	
13:40:00	20	2	220	-.1	407	72	9029	1939	2173	1119	773	1589	378	378	167	157	90	77	43	19	13	3	
13:40:20	20	2	110	.1	403	65	10051	2126	2471	1404	865	2205	311	301	80	90	58	64	22	16	6	13	
13:40:40	20	2	40	.2	400	57	9342	1904	2256	1356	929	2458	433	331	54	103	35	16	0	3	6	0	
13:41:00	20	2	[illegible]	.3	400	50	8080	1837	2170	1272	763	1551	247	131	42	19	10	16	10	3	6	3	
13:41:20	20	2	[illegible]	.3	402	50	8824	2045	2455	1314	814	1327	189	99	6	35	3	13	13	0	0	10	
15:45:53	15	1	-10	.3	250	10	3529928900		2019	2752	517	111	38	17	21	4	0	0	9	9	0	0	25
15:47:41	10	1	355	.3	286	51	3601340950		3295	3314	1615	308	282	122	39	33	26	6	5	0	9	0	
15:51:38	10	1	690	.3	279	63	3563528077		3125	2032	962	550	474	205	71	51	13	26	0	13	13	6	
15:51:43	10	1	390	.1	278	61	3953631033		3538	2314	981	301	506	224	147	32	25	0	13	0	0	6	
15:53:30	10	1	985	.0	293	83	3687229141		2974	2103	782	522	564	276	179	103	58	32	19	13	0	6	
15:53:40	10	1	990	.0	294	84	3616023282		3071	1934	355	712	571	263	135	103	45	0	19	0	5	0	
15:55:13	15	1	1295	-.3	320	110	10816	5457	731	1842	810	515	603	329	201	90	47	47	17	9	0	13	26
15:55:28	15	1	1295	-.3	317	110	10432	5053	714	1597	859	579	552	303	239	107	30	26	13	17	0	17	
15:58:30	[illegible]	1	1505	-.3	320	124	9308	5180	769	1333	500	462	365	276	147	147	45	45	13	6	13	19	
15:58:40	[illegible]	1	1595	-.3	320	123	9738	5013	724	1519	590	503	506	340	231	83	64	19	26	32	26	6	
15:58:50	10	1	1565	-.3	318	124	10558	5716	865	1423	596	583	526	263	205	173	51	64	32	26	6	26	
15:59:00	10	1	1565	-.3	319	123	9756	5123	724	1442	567	673	359	231	212	123	45	38	45	19	19	19	
15:59:20	20	1	1555	-.3	320	124	10032	5417	753	1359	599	654	471	272	196	135	51	51	16	29	13	16	
15:59:40	20	1	1555	-.2	322	120	9335	5331	933	1234	550	533	458	321	231	103	45	26	32	26	16	6	
16:00:00	20	1	1555	-.3	324	125	10215	5580	766	1378	571	599	530	301	192	122	58	29	48	10	6	10	
16:00:20	20	1	1555	-.3	320	125	9307	5253	308	1321	654	580	522	250	183	112	83	51	16	13	16	29	
16:00:40	20	1	1555	-.3	325	120	10141	5370	846	1381	619	580	458	292	231	115	87	42	29	32	32	19	
16:01:00	20	1	1555	-.3	325	125	10319	5487	804	1458	705	718	583	333	176	163	58	26	38	29	16	13	
16:01:20	20	1	1565	-.3	322	125	10301	5353	798	1446	515	547	506	308	150	141	67	67	22	19	26	6	
16:01:40	20	1	1595	-.3	321	125	10000	4907	985	1526	613	638	513	333	240	135	71	38	35	22	16	22	
16:02:00	20	1	1510	-.3	318	122	10529	5266	856	1644	673	622	497	359	231	115	96	38	35	13	32	16	
16:02:20	20	1	1440	-.3	307	112	9580	4732	907	1455	590	533	465	327	132	106	54	45	22	19	6	6	
16:02:40	20	1	1350	-.4	290	107	10170	4843	939	1509	734	702	515	359	173	135	67	35	22	16	10	10	
16:03:00	20	1	1275	-.4	269	97	10093	4641	849	1599	731	804	676	343	179	96	71	22	35	22	22	0	
16:03:20	20	1	1180	-.5	232	91	10157	4615	904	1471	775	323	734	378	196	109	77	6	22	22	10	13	
16:03:40	20	1	1110	-.4	270	82	9266	4215	795	1513	551	753	579	372	115	61	42	16	6	22	13	13	
16:04:00	20	1	1010	-.5	262	77	9516	4133	821	1571	782	756	667	337	202	57	42	22	32	5	13	16	
16:04:20	20	1	940	-.4	254	77	9250	4120	875	1580	747	603	638	266	151	74	38	26	13	6	19	6	
16:04:40	20	1	840	-.4	237	61	9673	4340	910	1732	753	554	593	224	173	126	58	19	13	13	10	0	
16:05:00	20	1	770	-.3	237	50	9958	4250	1007	1590	949	525	478	247	138	39	51	10	13	13	10	13	
16:05:20	20	1	650	-.3	219	43	9022	4305	776	1590	770	522	401	202	119	77	38	10	3	10	10	16	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
16:05:40	20	1	590	-.2	213	43	8821	4337	888	1554	657	500	297	215	122	45	54	16	10	10	17	3	
16:06:00	20	1	490	-.2	199	37	9096	4670	920	1946	481	334	282	170	90	64	26	26	13	6	10	0	
16:06:20	20	1	410	-.2	188	34	8385	4010	856	1609	718	538	275	121	54	35	22	13	6	7	0	6	
16:06:40	20	1	300	-.1	182	23	8744	4247	910	1702	583	532	330	144	83	42	16	16	10	3	3	16	
16:07:00	20	1	240	.0	177	28	8740	4120	878	1936	804	487	224	151	75	19	20	3	0	10	17	10	
16:07:20	20	1	120	.0	176	24	8279	4413	772	1785	610	345	179	74	35	13	10	13	7	3	10	0	
16:07:40	20	1	90	.1	173	21	8278	4605	872	1824	549	266	138	51	19	19	6	3	3	6	3	10	
16:08:00	20	1	00	.1	172	18	7830	4474	901	1766	353	151	95	38	13	6	13	0	0	0	3	10	
16:08:20	20	1	05	.2	171	16	7728	4795	923	1497	327	87	58	13	0	0	3	0	3	3	0	10	
15:09:30	30	2	05	.3	181	19	5252	195	1513	903	959	1081	295	167	100	73	41	70	13	11	4	0	
16:11:00	30	2	05	.4	184	17	5312	109	1152	1233	1004	1079	252	261	82	60	19	34	13	11	9	9	
16:12:40	30	2	360	.1	224	37	8357	123	1712	1716	500	2093	506	245	212	342	135	198	75	75	24	32	
16:14:30	30	2	695	-.1	254	37	8024	139	1541	1425	500	1021	541	618	222	323	203	256	135	107	41	47	
16:16:00	30	2	995	-.2	275	75	9088	105	1556	1500	504	1934	474	596	348	532	230	359	111	73	60	43	
16:17:30	30	2	1295	-.2	310	103	7929	172	1626	1509	417	1231	385	491	378	485	307	442	205	141	71	49	
16:18:00	30	2	1295	-.1	315	105	7874	152	1763	1526	427	1256	301	459	323	440	340	312	175	132	97	98	
16:18:50	20	2	1290	-.3	313	105	7266	128	1478	1290	304	971	330	417	433	450	404	435	212	157	74	74	
16:19:10	20	2	1250	-.3	307	100	7910	136	1567	1404	337	1042	331	494	410	590	337	510	269	157	97	77	
16:19:30	20	2	1140	-.2	295	88	7895	144	1588	1440	494	1129	295	437	353	554	304	484	302	157	64	67	
16:19:50	20	2	1060	-.3	287	83	7513	157	1580	1295	340	1045	304	535	442	523	435	436	176	122	51	67	
16:20:10	20	2	960	-.3	278	71	8356	141	1718	1522	440	1272	369	548	306	571	405	435	182	99	48	48	
15:20:30	20	2	890	-.4	261	69	7224	112	1452	1223	362	934	434	505	401	545	359	449	135	115	39	35	
16:20:50	20	2	780	-.3	259	62	9535	141	1951	1567	544	3183	558	700	401	494	327	346	144	128	87	26	
16:21:10	20	2	700	-.2	243	52	6481	128	1359	1202	297	1006	356	490	240	513	240	288	117	71	45	35	
16:21:30	20	2	590	-.1	232	48	8458	100	1705	1703	494	1689	554	554	300	491	234	301	125	58	64	16	
16:21:50	20	2	510	.0	224	41	8547	93	1423	1372	436	1314	395	574	212	372	135	224	83	67	20	22	
16:22:10	20	2	400	.0	217	37	8394	103	1740	1910	497	2009	410	580	280	303	136	144	67	54	32	26	
15:22:30	20	2	320	.1	217	32	7256	141	1471	1535	387	1706	448	505	192	340	122	176	67	35	32	26	
16:22:50	20	2	210	.2	201	29	9407	98	1337	1256	404	1831	482	442	187	247	100	135	54	48	13	10	
16:23:10	20	2	140	.2	192	26	8721	131	1311	1410	503	2000	372	484	109	195	48	96	13	10	22	16	
16:23:30	20	2	70	.4	184	22	8426	83	1482	1420	459	2032	340	337	86	90	32	42	16	13	3	6	
16:23:50	20	2	00	.4	183	15	8045	93	1183	1153	394	1674	240	209	38	61	32	29	13	6	3	6	
16:25:20	30	3	00	.6	183	10	7092	17	395	1107	1167	1462	601	137	220	547	709	124	90	80	41	24	
16:27:00	30	3	370	.5	203	34	9454	23	476	1291	1417	1668	903	158	252	904	1026	299	295	419	150	109	
16:28:40	30	3	675	.2	230	46	8979	40	432	1291	1436	1830	1024	171	218	600	716	104	252	363	188	139	
16:30:10	30	3	980	-.1	248	60	9718	40	563	1447	1573	2041	935	207	271	613	671	194	323	382	182	261	
16:31:40	30	3	1290	-.1	266	80	9504	58	549	1395	1521	1925	1038	188	383	795	682	207	250	303	107	220	
16:32:10	30	3	1295	-.2	264	86	9712	30	530	1276	1558	1981	1041	216	361	633	776	218	252	346	154	136	
16:32:30	20	3	1260	-.2	259	86	8994	35	561	1340	1513	1904	959	144	244	676	590	215	250	375	77	212	
16:32:50	20	3	1150	-.2	250	77	9309	64	532	1343	1510	1917	1050	151	295	585	647	212	269	303	192	136	
16:33:10	20	3	1080	-.3	242	71	9078	64	538	1343	1429	1994	642	180	285	692	612	147	250	282	131	170	
16:33:30	20	3	970	-.2	234	61	9057	40	480	1433	1427	2200	678	276	292	731	689	205	240	298	139	157	
16:33:50	20	3	890	-.2	227	57	9519	94	551	1417	1526	2093	672	215	324	654	740	189	292	304	112	176	
16:34:10	20	3	790	-.2	214	49	9089	78	519	1298	1577	2071	1022	170	298	740	759	167	308	298	170	277	
16:34:30	20	3	710	-.1	207	44	10199	94	497	1359	1535	2043	1151	196	308	849	931	208	321	404	196	176	
16:34:50	20	3	590	-.1	196	39	9506	35	452	1288	1436	1875	922	205	228	852	802	208	321	442	98	183	
16:35:30	20	3	410	.0	182	29	8962	20	513	1311	1350	1744	599	190	230	795	859	189	255	321	113	157	
16:35:50	20	3	320	.1	173	20	10571	32	574	1282	1590	2030	1045	208	327	1097	1087	237	289	420	183	131	
16:36:10	20	3	220	.3	168	24	10321	35	491	1333	1535	1991	1019	179	340	1115	1139	311	230	360	151	99	
16:36:30	20	3	150	.3	159	20	8811	28	490	1200	1247	1663	869	157	276	802	1096	199	193	280	109	96	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
15:36:50	20	3	40	.4	152	17	3365	32	420	1247	1360	1030	391	179	324	1032	1013	141	176	215	48	42	
15:37:10	20	3	30	.5	153	15	8865	28	391	1186	1231	1740	880	208	311	1042	1170	189	163	240	71	29	
15:37:30	20	3	70	.5	152	15	3622	48	420	1112	1337	1590	939	151	276	362	1096	272	196	196	93	35	
15:38:00	30	4	30	.7	157	15	12541	1325	1424	1205	942	1201	1126	1120	979	1267	190	88	122	239	528	776	
15:39:30	30	4	70	.7	161	17	13596	1484	1437	1301	1098	1306	1109	1132	1152	1365	156	141	137	278	581	859	
15:41:10	30	4	300	.6	186	30	14090	1650	1635	1742	1092	1380	1250	1169	1288	1269	201	132	177	323	532	643	
15:42:40	30	4	590	.4	205	43	10645	1581	1564	1509	1293	1551	1451	1417	1536	1641	310	173	165	258	556	641	
15:44:10	30	4	990	.4	214	57	17145	1850	1710	1782	1231	1808	1007	1538	1728	1502	214	195	190	310	530	718	
15:47:00	30	4	1290	-.2	206	60	17303	1942	1537	1658	1429	1372	1032	1652	1726	1532	220	203	199	357	535	707	
15:48:50	20	4	1430	-.1	198	57	16542	2141	1973	1678	1574	1688	1599	1609	1734	1626	240	253	231	522	737	830	
15:49:10	20	4	1350	-.2	192	61	18705	2240	1330	1910	1484	1381	1028	1638	1897	1651	330	276	215	365	619	622	
15:49:30	20	4	1280	-.2	182	57	15708	1907	1778	1522	1279	1638	1404	1378	1538	1484	224	167	218	266	404	503	
15:49:50	20	4	1290	-.2	178	55	16683	2022	1321	1654	1345	1622	1385	1632	1679	1635	276	170	192	285	516	548	
15:50:10	20	4	1295	-.2	174	55	15817	2000	1740	1888	1237	1622	1497	1420	1554	1474	240	173	115	226	327	410	
15:50:30	20	4	1295	-.2	171	53	16423	2151	1747	1683	1435	1632	1471	1334	1503	1522	218	147	157	311	381	503	
15:50:50	20	4	1295	-.2	171	52	14776	1814	1561	1478	1128	1542	1043	1279	1426	1545	138	170	138	256	401	558	
15:51:10	20	4	1250	-.2	163	50	15503	1913	1758	1535	1314	1635	1238	1317	1429	1631	237	150	215	256	420	484	
15:51:30	20	4	1140	-.2	157	45	10494	1958	1721	1030	1417	1089	1408	1397	1538	1600	301	192	202	224	465	615	
15:51:50	20	4	1000	-.2	146	41	16385	1910	1702	1702	1388	1606	1522	1311	1612	1503	263	183	173	333	503	583	
15:52:10	20	4	970	-.2	138	37	15830	1811	1583	1375	1234	1561	1471	1455	1612	1487	256	151	196	359	574	705	
15:52:30	20	4	890	-.1	131	32	14022	1606	1484	1343	1170	1525	1330	1279	1478	1522	167	170	176	250	420	603	
15:52:50	20	4	770	.0	123	27	14487	1772	1606	1507	1183	1497	1206	1179	1545	1295	183	170	144	279	378	423	
15:53:10	20	4	690	.1	117	25	14571	1553	1503	1426	1112	1516	1192	1321	1410	1542	144	183	157	282	505	619	
15:53:30	20	4	590	.1	109	22	14506	1631	1615	1381	1071	1394	1304	1198	1423	1510	173	170	125	221	529	760	
15:53:50	20	4	500	.2	107	20	15109	1452	1481	1372	1090	1423	1292	1208	1410	1731	189	208	244	413	705	891	
15:54:10	20	4	380	.3	101	17	15378	1603	1417	1484	1221	1423	1426	1452	1494	1721	221	183	157	269	494	814	
15:54:30	20	4	320	.4	95	15	14365	1522	1505	1455	1179	1487	1333	1359	1481	1551	375	109	107	224	469	612	
15:54:50	20	4	210	.5	92	14	14178	1606	1542	1420	1212	1282	1221	1160	1308	1526	179	112	103	237	519	702	
15:55:10	20	4	130	.6	89	12	13513	1407	1535	1375	1119	1253	1212	1150	1147	1292	183	151	154	228	458	740	
15:55:30	20	4	20	.6	86	10	12484	1244	1446	1212	952	1272	1160	1064	1115	1215	136	106	173	212	545	574	
15:55:50	20	4	00	.7	84	9	12962	1378	1503	1238	994	1139	1151	1144	1077	1353	173	119	163	213	442	814	
15:56:10	20	4	05	.7	83	8	12170	1301	1324	1176	1029	1173	1067	1000	1067	1115	205	96	173	228	535	679	
15:56:30	20	4	00	.7	82	0	13567	1365	1506	1439	1022	1397	1212	1061	1141	1346	282	138	163	250	571	673	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
07:24:50	30	1	70	1.6	56	7	5317	3107	951	1002	334	123	56	17	17	0	2	0	2	0	2	0	27
07:26:00	30	1	270	1.4	66	11	6459	2705	996	1404	472	202	102	107	60	34	15	9	9	4	2	4	
07:28:50	30	1	570	1.3	69	15	8085	2738	927	1073	312	310	230	130	93	60	35	19	5	13	4	2	
07:30:50	30	1	870	1.1	107	24	8423	2581	810	1051	455	436	426	229	179	122	51	20	11	17	11	9	
07:32:50	30	1	1185	1.1	115	31	8752	2307	737	803	280	340	381	309	175	113	75	38	19	26	22	26	
07:34:10	20	1	1150	1.0	120	32	8286	2402	884	1109	314	305	302	215	144	112	54	46	20	22	22	22	
07:34:30	20	1	1090	1.0	122	32	8009	2705	842	1035	331	333	460	304	167	103	94	35	15	20	20	26	
07:34:50	20	1	1010	1.0	125	31	8147	2718	721	904	349	349	429	250	151	90	48	35	38	10	29	19	
07:35:10	20	1	950	1.0	123	29	5709	2522	557	753	372	352	420	221	157	80	61	58	20	26	10	22	
07:35:30	20	1	870	1.0	117	26	8212	2660	795	914	420	439	490	226	103	71	67	42	29	16	19	19	
07:35:50	20	1	820	.9	117	25	8503	2533	804	843	469	522	548	256	141	83	48	26	22	10	22	16	
07:36:10	20	1	730	.9	114	23	8619	2837	727	955	468	510	430	285	115	85	61	42	20	19	29	13	
07:36:30	20	1	670	1.0	109	21	8016	2612	933	917	381	413	358	202	125	42	32	13	10	23	26	16	
07:36:50	20	1	590	.9	101	19	7100	2160	891	1215	459	497	420	183	154	74	38	13	29	13	10	6	
07:37:10	20	1	570	.9	98	18	6285	2705	925	1035	468	372	343	151	109	77	32	26	16	3	22	0	
07:37:30	20	1	490	.9	93	16	6837	3087	837	1144	502	474	375	228	109	38	19	10	16	6	7	6	
07:37:50	20	1	400	1.0	92	16	7058	2923	1224	1462	510	372	289	96	71	54	35	19	3	6	10	3	
07:38:10	20	1	320	.9	91	14	7436	3228	1401	1413	513	343	276	109	54	38	26	13	6	3	6	6	
07:38:30	20	1	270	1.0	90	13	7096	3192	1151	1429	500	352	334	115	51	26	19	10	0	10	3	3	
07:38:50	20	1	190	1.0	91	12	8587	2891	1122	1436	497	352	179	83	51	32	10	10	10	3	6	0	
07:39:10	20	1	130	1.1	93	12	8926	3081	1157	1590	516	340	151	61	32	3	3	3	0	0	0	3	
07:39:30	20	1	90	1.1	92	12	8048	2940	997	1304	385	188	125	58	16	16	3	0	3	0	3	0	
07:39:50	20	1	10	1.3	93	9	8333	3321	1147	1702	362	157	54	45	10	16	3	0	10	3	0	3	
07:40:50	60	1	80	1.3	101	9	5841	3134	868	1328	261	98	47	31	5	2	0	5	0	1	0	1	
07:42:40	60	2	80	1.5	130	12	4438	124	1302	1149	395	1035	162	127	30	40	20	21	10	11	5	5	
07:44:50	60	2	280	1.3	154	22	3643	114	1801	1422	500	1038	345	447	178	207	94	122	26	34	7	11	
07:47:10	60	2	570	1.0	154	25	8397	151	1535	1347	448	1316	459	456	222	295	172	231	89	49	47	22	
07:49:40	60	2	890	1.0	146	31	8141	145	1607	1315	390	889	269	337	230	294	175	215	98	72	40	53	
07:51:40	60	2	1190	.9	160	43	9159	131	1382	1245	321	387	211	427	256	370	202	302	147	87	58	33	28
07:52:40	60	2	1190	1.0	182	48	5898	129	1457	1109	277	809	286	276	298	323	221	280	130	104	54	43	
07:53:00	20	2	1150	.9	182	47	8651	138	1314	1272	337	942	259	484	375	463	356	388	106	93	49	54	
07:53:20	20	2	1080	.9	178	45	8458	103	1353	1183	309	827	304	452	359	481	266	436	199	80	58	51	
07:53:40	20	2	970	.8	178	40	8362	112	1433	1112	269	831	378	554	388	529	333	359	170	139	49	58	
07:54:00	20	2	900	.8	175	37	6780	119	1468	1240	259	1090	340	522	301	465	276	286	128	74	45	48	
07:54:20	20	2	790	.8	169	34	8042	103	1253	1045	256	963	372	558	250	410	228	276	133	83	42	51	
07:54:40	20	2	720	.8	160	31	7205	141	1429	1163	500	1009	405	538	279	407	205	266	74	61	35	32	
07:55:00	20	2	610	.8	153	23	7949	205	1763	1615	522	1561	417	593	253	353	224	221	95	80	22	26	
07:55:20	20	2	540	.8	148	20	6599	125	1574	1285	433	1346	452	474	224	260	147	144	38	32	54	10	
07:55:40	20	2	430	.9	142	22	6910	125	1301	1250	481	1730	474	571	228	293	144	141	13	51	19	13	
07:56:00	20	2	350	.9	130	20	7048	160	1705	1679	571	1497	270	502	160	218	112	80	26	16	10	26	
07:56:20	20	2	250	1.0	135	13	5346	119	1468	1304	436	1433	314	359	125	202	71	51	13	16	10	19	
07:56:40	20	2	190	1.0	125	10	4738	106	1288	1125	340	1167	173	314	64	93	33	42	19	13	3	13	
07:57:00	20	2	70	1.1	126	15	6314	176	1628	1740	532	1819	240	196	51	83	13	13	6	3	6	6	
07:57:20	20	2	10	1.2	128	11	4735	122	1308	1138	379	1356	179	163	42	46	16	13	3	10	3	6	
07:58:20	60	2	10	1.3	141	13	4713	135	1433	1261	377	1233	114	91	26	20	5	2	4	6	1	1	
08:00:05	60	3	10	1.5	150	14	10503	1802	1579	1598	1425	1476	936	157	225	567	620	113	27	35	27	4	
08:01:00	30	3	10	1.5	164	15	12647	1878	1786	1976	1733	1996	1045	150	261	703	731	171	73	90	30	20	
08:02:30	30	3	270	1.1	191	20	10688	2331	2143	2226	2109	2572	1404	254	436	1060	1301	301	229	301	145	75	
08:04:10	30	3	580	.8	240	41	11474	58	709	1724	1801	2466	955	231	355	1072	1147	229	244	293	92	98	29
08:05:40	30	3	890	.8	273	60	10068	68	596	1575	1857	2134	985	241	342	863	765	111	155	171	95	62	

DATE -- 02/26/76

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
08:07:10	30	3	1200	.8	304	81	8622	53	600	1425	1534	1855	739	186	245	620	543	120	184	175	103	179	
08:08:10	50	3	1200	.7	334	90	9053	35	551	1433	1529	2275	941	222	325	680	583	142	183	217	92	143	
08:08:30	20	3	1150	.7	330	90	9484	54	545	1442	1615	2147	901	215	337	843	673	90	189	218	87	128	
08:08:50	20	3	1040	.6	330	38	9345	32	522	1529	1425	1337	760	195	244	532	539	128	144	173	112	135	
08:09:10	20	3	970	.6	313	80	10734	50	647	1567	1785	2304	994	255	234	1000	849	151	205	244	128	151	
08:09:30	20	3	890	.5	305	63	10093	57	545	1522	1575	2131	904	240	327	920	775	157	231	276	97	119	
08:09:50	20	3	800	.7	306	61	9127	22	501	1542	1679	2032	994	221	282	622	500	115	193	177	115	112	
08:10:10	20	3	590	.7	301	50	9954	33	530	1333	1407	1327	936	202	234	724	541	147	250	304	125	123	
08:10:30	20	3	510	.7	303	56	8179	42	577	1256	1407	1753	724	151	269	567	628	141	221	237	93	106	
08:10:50	20	3	500	.8	303	51	10337	40	597	1359	1301	1723	908	308	303	1401	1339	237	240	272	122	90	
08:11:10	20	3	440	.8	304	47	9231	20	540	1397	1440	1040	550	151	270	803	967	133	177	234	100	106	
08:11:30	20	3	320	.8	312	47	10266	51	530	1301	1530	1353	917	170	301	1087	1276	196	285	372	150	178	
08:11:50	20	3	250	1.1	303	42	10490	61	580	1269	1391	1790	1112	183	407	1074	1321	407	259	332	212	115	
08:12:10	20	3	150	1.2	293	30	10337	20	367	1516	1377	1310	1129	215	353	1131	1228	253	250	330	100	74	
08:12:30	20	3	80	1.2	289	34	11000	42	327	1571	1561	2157	1080	343	413	1260	1487	215	202	240	71	22	
08:12:50	20	3	10	1.3	230	27	8407	20	410	1150	1455	1904	940	160	238	827	968	54	107	138	73	26	
08:16:08	60	1	15	1.4	274	26	10583	8700	630	1074	69	19	10	10	7	0	6	4	4	5	1	2	
08:16:30	30	1	10	1.3	273	24	9230	8670	513	362	88	3	6	0	0	4	4	2	3	2	4	2	
08:18:40	30	1	270	1.0	313	44	12182	9980	523	1590	370	150	38	32	26	24	17	24	4	6	11	4	
08:20:20	30	1	530	.7	339	54	11353	7474	543	1442	709	476	201	135	56	30	21	4	23	17	11	15	
08:22:00	30	1	890	.7	362	100	12205	8207	1109	2241	746	330	104	100	56	43	21	40	32	24	29	21	
08:23:40	30	1	1215	.6	390	120	10252	5260	910	1353	724	513	353	143	73	75	71	34	45	28	15	17	28
08:24:40	60	1	1215	.5	379	129	10034	5507	650	1489	707	512	201	103	104	89	50	52	40	27	27	26	
08:25:00	20	1	1150	.5	385	123	9772	5270	759	1530	785	434	200	133	135	74	74	33	42	22	13	26	
08:25:20	20	1	1090	.5	372	112	9342	4801	651	1492	557	272	272	173	128	93	61	71	13	32	29	22	
08:25:40	20	1	990	.3	367	107	10109	4310	343	1324	949	574	426	133	135	95	53	23	35	22	10	26	
08:26:00	20	1	910	.4	369	91	9258	4530	378	1506	728	429	321	100	64	54	64	35	22	29	13	13	
08:26:20	20	1	800	.3	361	92	9510	4130	1103	2049	983	506	317	131	83	51	35	26	22	29	22	38	
08:26:40	20	1	770	.4	364	81	11054	5500	1256	2227	698	405	304	115	90	51	29	54	19	16	19	17	
08:27:00	20	1	620	.5	364	74	9141	4926	703	1253	407	303	170	57	37	64	29	32	25	16	22	26	
08:27:20	20	1	550	.5	355	73	11016	6154	1202	1990	654	487	260	106	61	23	16	13	10	6	16	13	
08:27:40	20	1	440	.5	371	52	9144	4903	945	1846	579	453	240	90	38	32	29	22	22	13	10	10	
08:28:00	20	1	360	.6	368	50	7583	4500	596	1247	529	311	196	48	48	10	26	10	32	13	5	7	
08:28:20	20	1	250	.7	351	53	9935	5135	340	1324	590	238	109	23	29	10	26	10	5	13	5	6	
08:28:40	20	1	190	.8	351	45	9240	5135	909	2253	522	202	71	19	16	13	3	10	10	10	0	3	
08:29:00	20	1	70	1.0	344	44	9010	5595	349	1798	333	115	35	20	19	6	5	0	10	6	10	10	
08:29:20	20	1	10	1.0	334	34	7955	5327	885	1430	187	51	22	6	5	0	13	0	3	10	10	3	
08:29:40	20	1	15	1.0	331	35	7523	5132	732	1353	115	29	22	3	3	6	3	13	0	0	3	3	
08:32:30	60	2	15	1.3	352	33	4572	131	1190	1307	369	1231	143	118	18	36	12	6	3	3	2	3	
08:34:30	60	2	290	1.1	352	54	6629	140	1571	1652	411	1439	435	331	139	193	75	75	30	14	10	10	
08:35:30	60	2	585	.6	377	74	8060	134	1580	1442	527	2115	427	619	267	365	107	173	68	51	29	25	
08:38:40	60	2	895	.3	400	115	8305	154	1507	1480	500	1088	534	562	301	441	207	200	108	79	47	47	
08:40:40	50	2	1270	.4	420	161	6871	122	1524	1362	395	1334	395	518	240	283	152	158	104	104	41	53	
08:41:40	60	2	1270	.3	408	154	7749	142	1561	1398	585	1921	420	549	222	263	187	207	95	89	57	65	
08:42:00	20	2	1270	.2	405	151	7030	134	1303	1526	459	1359	397	505	192	253	144	192	87	106	53	48	
08:42:20	20	2	1220	.2	401	140	5715	77	1009	872	308	1250	420	522	292	293	147	160	90	74	45	54	
08:42:40	20	2	1150	.2	400	133	6978	115	1435	1231	340	1353	471	654	295	410	131	247	93	96	71	29	
08:43:00	20	2	1040	.0	396	120	7372	122	1519	1253	379	1439	410	551	292	401	100	311	157	131	54	67	
08:43:20	20	2	970	.0	393	111	7837	154	1718	1579	493	1593	335	468	234	314	179	212	103	93	51	59	
08:43:40	20	2	850	.1	386	99	7035	151	1590	1340	311	1330	395	503	285	372	107	290	103	80	77	78	

DATE -- 02/26/79

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
08:44:00	20	2	730	.1	372	89	9434	119	1436	1218	298	1333	331	471	206	352	132	136	82	67	38	32	
08:44:20	20	2	680	.1	368	80	8831	90	1209	1147	404	1590	382	522	224	350	167	208	80	38	38	29	
08:44:40	20	2	610	.1	358	66	8179	108	1131	1000	314	1224	538	380	260	397	173	202	93	67	58	29	
08:45:00	20	2	490	.3	334	60	6872	83	974	897	292	1009	283	426	187	330	112	151	58	38	22	42	
08:45:20	20	2	410	.3	323	50	5952	151	1295	1276	516	1987	359	522	208	301	71	141	45	38	32	19	
08:45:40	20	2	300	.3	312	44	6201	144	1352	1481	455	1529	359	410	141	186	58	87	26	45	22	6	
08:46:00	20	2	270	.4	300	40	4100	119	1112	1054	240	337	151	170	80	135	45	51	3	22	22	0	
08:46:20	20	2	120	.6	287	35	3314	212	1260	1465	529	1942	337	353	42	67	26	35	10	13	13	13	
08:46:40	20	2	40	.7	285	30	3058	123	397	349	215	545	71	97	16	29	19	22	16	6	0	6	
08:47:00	20	2	20	.8	279	28	3535	228	1018	939	298	901	64	32	10	13	10	10	3	3	0	10	
08:50:20	60	3	35	1.0	281	26	7406	32	435	1152	1321	1518	1003	139	135	394	740	113	41	66	41	10	
08:52:20	60	3	290	.7	322	44	7238	33	452	1222	1231	1522	965	130	102	510	592	141	132	184	83	49	
08:54:20	60	3	590	.5	362	73	3004	44	540	1254	1309	1531	915	165	234	821	376	256	207	290	151	104	
08:56:20	60	3	900	.4	402	107	7627	40	531	1331	1332	1538	841	152	200	515	592	113	125	179	82	49	
08:58:20	60	3	1215	.3	427	130	7237	37	455	1228	1334	1594	321	212	251	550	474	52	88	66	40	35	
08:59:20	60	3	1215	.5	422	156	8224	28	474	1329	1342	1634	884	207	253	812	828	112	92	103	50	38	
08:58:50	20	3	1120	.5	426	157	3436	33	452	1353	1484	1654	210	237	308	768	788	112	80	115	71	45	
09:00:10	20	3	1000	.4	421	147	9901	45	587	1309	1574	1952	1333	221	362	981	1106	186	64	99	67	35	
09:00:30	20	3	910	.3	422	139	9391	22	542	1350	1503	1901	1080	173	317	731	1003	221	170	186	99	77	
09:00:50	20	3	790	.3	425	121	9410	35	551	1285	1440	1760	904	154	276	731	782	125	138	115	54	45	
09:01:10	20	3	690	.3	422	105	7510	32	519	1218	1301	1615	702	183	224	683	654	103	93	109	26	51	
09:01:30	20	3	570	.4	395	80	8708	20	545	1353	1619	1873	891	260	330	792	788	74	67	90	29	48	
09:01:50	20	3	480	.4	375	86	8122	10	516	1330	1285	1557	963	125	253	699	824	119	58	138	71	61	
09:02:10	20	3	360	.4	367	63	9051	45	510	1244	1490	1731	1042	115	200	740	838	234	221	221	189	122	
09:02:30	20	3	270	.6	360	50	11036	51	549	1561	1686	2109	1737	231	378	1080	1338	462	231	231	173	64	
09:02:50	20	3	170	.6	352	51	10272	26	446	1276	1417	1765	1227	266	397	1016	1317	381	179	250	151	58	
09:03:10	20	3	40	.7	352	34	9022	19	500	1343	1558	1957	1136	157	218	772	872	288	144	141	122	35	
09:05:10	60	3	40	.8	351	35	9850	21	409	1221	1297	1440	833	136	158	566	538	41	26	54	16	4	
09:07:10	60	1	40	1.0	270	30	10405	9815	563	829	109	41	15	7	1	4	3	5	4	2	2	3	
09:07:56	60	1	40	.8	258	28	10533	8683	693	971	84	35	12	14	5	4	9	5	7	5	4	0	
09:08:50	30	1	40	.8	265	30	13741	10813	949	1667	209	33	13	11	11	0	4	6	2	4	4	4	
09:09:20	30	1	45	.9	254	29	13250	10774	994	1239	85	41	24	13	13	15	11	4	6	6	13	13	
09:11:00	60	2	45	1.1	254	32	4569	95	1259	1335	362	1294	172	92	18	13	5	11	2	1	2	2	
09:12:00	60	2	45	.9	268	27	4345	101	1232	1226	327	1122	135	115	17	20	9	15	4	12	0	4	
09:13:50	60	3	45	1.0	269	30	7321	52	482	1283	1349	1532	1003	136	222	625	827	134	35	56	27	11	
09:14:50	60	3	45	1.1	241	27	7432	14	395	1194	1281	1519	985	162	228	643	753	136	35	58	20	7	
09:17:10	30	4	45	1.2	206	21	12051	1157	1575	1265	1128	1103	1113	1002	1043	1224	162	81	94	190	340	458	
09:17:40	30	4	45	1.2	222	23	12427	1254	1056	1370	1182	1207	908	1071	1152	1092	295	118	111	137	321	466	
09:18:10	30	4	45	1.2	235	25	10966	1035	1472	1251	947	1177	944	906	917	1053	135	75	88	105	306	491	

DATE -- 02/28/75

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
07:34:00	60	3	10	-4.5	355	42	5336	4750	1078	344	140	66	1	0	0	0	0	0	0	0	0	0	
07:35:00	60	3	15	-4.4	361	42	6410	4761	1066	342	134	84	11	0	0	0	0	0	0	0	0	0	
07:40:00	60	3	295	-3.5	312	53	7209	4853	1150	432	355	235	98	3	5	5	4	1	0	0	0	0	19
07:43:10	60	3	595	-2.2	284	63	7866	4223	1303	830	641	644	188	7	14	4	9	1	0	1	0	0	
07:45:30	60	3	915	-1.4	331	69	7732	5523	1027	541	307	303	12	3	4	5	4	0	0	0	0	0	
07:48:10	60	3	1235	-1.0	314	75	7872	5842	1120	412	270	179	11	5	13	13	0	0	0	0	0	0	
07:51:10	60	3	1565	-.8	379	83	7739	5709	1129	434	271	229	5	10	3	6	1	0	1	0	0	0	
07:52:10	60	3	1595	-.9	360	87	7734	5736	1020	439	284	221	9	5	6	7	2	0	0	0	1	0	
07:53:10	60	3	1565	-.8	364	90	7701	5636	1034	447	300	193	11	5	7	5	1	2	0	0	0	0	
07:54:10	60	3	1595	-.8	364	93	7762	5707	1030	474	279	230	9	9	4	5	1	0	0	0	0	1	
07:54:50	20	3	1560	-.3	383	95	7731	5827	1000	401	292	183	13	10	3	0	3	0	0	0	0	0	
07:55:10	20	3	1595	-.9	370	95	7250	5350	949	439	288	196	3	9	3	3	0	3	0	0	0	3	
07:55:30	20	3	1570	-.3	320	97	7365	5833	1067	420	295	219	13	3	6	3	3	3	0	0	0	0	
07:55:50	20	3	1380	-.8	340	98	7571	5420	1167	405	317	192	8	3	6	3	0	0	0	0	0	0	
07:56:10	20	3	1290	-.9	331	101	7487	5554	1042	394	314	154	13	3	0	10	0	3	0	0	0	0	
07:56:30	20	3	1170	-.9	350	104	7762	5811	978	487	292	202	3	0	0	3	0	0	0	0	0	0	
07:56:50	20	3	1090	-1.2	334	104	7510	5452	1051	449	311	224	6	3	6	3	0	0	0	3	0	0	
07:57:10	20	3	990	-1.5	305	100	7946	4295	1260	875	647	708	103	9	3	13	13	10	0	0	0	0	
07:57:30	20	3	890	-1.5	300	105	7462	4463	1160	737	478	538	51	3	13	6	6	0	0	0	0	0	
07:57:50	20	3	790	-1.3	324	104	7532	5147	962	603	381	404	10	10	6	3	6	0	0	0	0	0	
07:58:10	20	3	690	-1.5	328	104	7590	4442	1314	811	487	429	82	6	10	3	0	0	0	0	0	3	
07:58:30	20	3	590	-1.4	357	102	7369	3984	1256	840	560	580	102	13	6	3	3	0	0	0	0	0	
07:58:50	20	3	490	-1.5	384	103	7179	3824	1189	369	574	564	135	3	6	0	13	0	0	0	3	0	
07:59:10	20	3	390	-1.5	405	104	6926	3536	1179	750	557	603	150	10	6	3	13	0	0	0	0	0	
07:59:30	20	3	290	-2.2	405	102	7703	2533	1197	955	1022	334	657	29	58	129	197	26	26	3	6	0	
07:59:50	20	3	190	-2.3	405	105	5728	4202	912	203	170	109	6	3	0	0	0	0	0	0	0	0	
08:00:10	20	3	90	-2.6	417	95	4819	3434	734	139	64	29	0	0	0	0	0	0	0	0	0	0	
08:00:30	20	3	45	-2.9	420	78	5224	3955	859	276	83	48	0	3	0	0	0	0	0	0	0	0	
08:00:50	20	3	45	-3.0	427	80	5753	4410	962	292	96	71	10	0	0	0	0	3	0	0	0	0	
08:01:10	20	3	45	-3.0	428	93	5083	4308	946	256	119	43	0	6	0	0	0	0	0	0	0	0	
08:01:30	20	3	45	-3.1	428	91	5551	4263	923	304	112	35	0	0	0	0	0	0	0	0	0	0	
08:03:40	60	4	45	-3.7	446	93	5949	4101	921	342	204	138	98	47	58	7	1	0	2	1	0	1	
08:05:50	60	4	300	-3.0	433	112	7927	1176	1340	1022	778	745	523	551	618	673	18	6	14	13	10	18	
08:08:20	30	4	600	-1.9	361	124	8355	2009	1265	876	594	449	374	312	280	185	9	4	9	4	0	6	
08:10:10	30	4	900	-1.4	378	124	8126	2970	1077	675	395	305	250	233	184	9	11	4	2	9	2	0	
08:11:50	20	4	600	-1.5	380	132	5859	2212	1032	700	540	309	314	282	237	74	10	3	3	0	6	6	
08:12:10	20	4	590	-1.6	397	134	6295	2334	1218	340	510	426	276	288	253	67	10	0	0	3	3	6	
08:12:30	20	4	400	-1.7	400	136	6250	2090	1160	750	571	509	308	349	386	80	6	3	6	3	3	6	
08:12:50	20	4	370	-1.9	407	138	6442	1738	1212	974	715	434	331	330	340	173	0	6	0	0	13	6	
08:13:10	20	4	240	-2.4	428	138	5467	1376	1183	875	688	564	401	449	420	413	13	0	10	6	3	6	
08:13:30	20	4	190	-2.8	430	142	5331	2641	337	609	372	259	186	173	160	123	6	0	3	3	3	0	
08:13:50	20	4	70	-3.0	459	124	5437	3360	859	452	224	199	151	96	103	22	0	6	3	3	0	0	
08:15:10	30	4	70	-3.2	455	140	5737	4218	821	254	175	126	80	32	34	2	0	0	2	0	2	0	
08:15:40	30	4	30	-3.4	456	141	5323	4308	850	318	162	115	90	43	21	11	2	0	2	0	0	0	
08:16:10	30	4	30	-3.4	454	137	5883	4130	942	338	175	111	81	56	28	2	0	0	0	0	0	0	
08:17:20	30	4	100	-3.4	461	151	5590	3304	302	306	192	152	111	60	45	10	0	2	0	0	2	0	
08:17:50	30	4	100	-3.4	462	151	5050	3782	904	382	214	135	75	92	56	4	0	2	0	0	0	0	
08:19:00	30	4	200	-3.5	420	153	5130	2508	382	532	380	236	175	171	145	34	2	0	2	0	4	6	
08:19:30	30	4	200	-3.5	432	154	5259	2857	827	481	378	252	141	118	147	56	0	0	0	2	0	0	
08:20:40	30	4	290	-3.0	430	157	5874	1671	1030	726	577	427	442	350	318	280	15	6	2	4	11	4	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
08:21:10	30	4	295	-2.9	427	158	5887	1494	1062	808	581	498	408	348	365	291	13	2	2	2	11	2	
08:22:30	30	4	405	-2.3	416	162	6179	1511	1138	827	671	503	412	363	391	274	6	4	11	6	6	0	
08:23:00	30	4	405	-2.2	420	164	6318	1491	1197	891	699	541	449	337	350	282	6	2	2	4	4	2	
08:23:30	30	4	405	-2.2	420	166	6064	1444	1120	903	665	513	372	425	355	244	13	2	0	2	6	4	
08:24:30	30	4	495	-1.9	414	170	6265	1756	1201	902	592	511	410	350	321	182	4	2	2	4	8	6	
08:25:00	30	4	495	-1.9	423	170	6223	1504	1254	842	626	504	415	333	369	130	11	2	6	8	8	8	
08:25:30	30	4	495	-1.8	423	170	6340	1675	1220	844	632	517	370	344	308	230	8	2	2	4	2	4	
08:26:30	30	4	505	-1.6	417	168	5869	1821	1235	799	543	474	287	283	299	90	6	0	2	2	2	0	
08:27:00	30	4	505	-1.6	411	172	6214	1918	1216	840	594	487	365	293	314	171	2	2	0	2	8	0	
08:27:30	30	4	600	-1.5	414	173	6008	2070	1226	795	517	369	291	307	335	132	4	6	2	0	0	4	
08:28:30	30	4	705	-1.4	421	174	5518	2303	974	692	487	355	248	241	241	24	4	8	4	8	0	2	
08:29:00	30	4	705	-1.4	421	176	6122	2450	1107	735	547	387	253	220	201	31	8	4	4	8	2	4	
08:29:30	30	4	705	-1.4	430	177	6201	2327	1248	785	539	432	342	260	199	68	2	4	0	2	0	4	
08:30:40	30	4	815	-1.3	428	178	5968	2253	1173	731	579	432	250	250	231	34	2	2	10	4	2	2	
08:31:10	30	4	815	-1.3	429	178	6053	2325	1203	840	521	344	297	267	186	20	8	8	2	6	0	0	
08:31:40	30	4	810	-1.3	421	178	6028	2391	1134	737	560	359	301	248	263	13	6	4	0	8	4	4	
08:32:40	30	4	915	-1.3	419	181	6322	2295	1297	870	573	425	350	291	284	30	0	8	0	0	0	4	
08:33:10	30	4	915	-1.2	417	183	6013	2137	1173	823	533	333	269	267	284	45	8	4	4	2	0	4	
08:33:40	30	4	915	-1.2	418	182	5952	2135	1128	809	580	342	276	278	248	32	11	0	2	4	11	2	
08:34:50	30	4	1025	-1.3	410	184	6468	1942	1350	912	656	511	382	310	295	82	4	4	6	4	0	6	28

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
08:35:20	30	4	1070	-1.2	410	184	8308	2051	1306	923	650	385	323	293	299	66	6	13	6	4	4	9	
08:35:50	30	4	1090	-1.2	417	180	8286	2058	1226	857	682	521	314	241	303	71	0	6	4	0	2	0	
08:36:20	30	4	1120	-1.3	422	182	8474	1934	1336	904	581	573	323	325	380	85	9	4	9	2	9	2	
08:36:50	30	4	1110	-1.2	423	182	8276	2222	1216	861	571	437	301	288	274	30	6	4	2	4	6	2	
08:37:20	30	4	1120	-1.3	410	180	8374	2163	1417	962	562	517	350	368	353	43	4	4	4	11	6	4	
08:37:50	30	4	1130	-1.4	417	187	8534	1788	1357	902	741	517	404	391	329	88	4	4	0	2	6	0	
08:38:20	30	4	1270	-1.3	412	189	8577	1934	1316	942	652	532	387	365	331	83	6	0	4	6	6	9	
08:38:50	30	4	1270	-1.4	395	193	8816	1893	1427	959	705	585	391	363	380	103	2	6	0	6	3	9	
08:39:20	30	4	1320	-1.4	420	180	7034	2028	1468	905	694	541	410	385	385	107	9	2	0	2	13	9	
08:39:50	30	4	1370	-1.4	436	183	7404	1722	1553	1038	842	641	443	470	483	103	13	6	6	9	4	9	
08:40:20	30	4	1370	-1.3	450	189	7060	1810	1357	970	829	665	422	466	436	71	9	0	9	4	2	4	
08:40:50	30	4	1430	-1.4	453	194	7532	1342	1522	1182	776	718	440	474	481	113	6	0	6	4	9	9	
08:41:20	30	4	1470	-1.5	455	194	7256	2240	1425	1021	672	530	432	408	376	103	6	2	4	9	9	4	
08:41:50	30	4	1440	-1.4	454	195	7592	2391	1579	1054	684	592	353	436	412	130	11	9	9	6	0	6	
08:42:20	30	4	1500	-1.2	460	193	8405	3452	1126	632	391	280	205	201	143	0	4	0	9	4	4	2	
08:42:50	30	4	1550	-1.2	464	194	8503	2831	1197	806	532	370	259	271	194	9	15	0	0	9	2	4	
08:43:20	30	4	1580	-1.2	471	195	8556	3470	1083	645	420	308	226	214	143	2	9	4	6	2	4	2	
08:43:50	20	4	1550	-1.1	468	195	8429	3186	1090	699	439	391	218	237	144	10	0	3	13	3	6	0	
08:44:20	20	4	1580	-1.2	466	197	8744	3090	1183	776	593	340	250	292	183	10	0	10	0	0	6	0	
08:44:50	20	4	1570	-1.4	444	209	7083	2423	1338	1015	667	505	397	333	276	51	13	0	3	3	6	0	
08:45:20	20	4	1280	-1.5	435	202	8215	1747	1872	1490	1061	792	564	567	673	295	10	3	16	6	13	6	
08:45:50	20	4	1150	-1.5	434	203	8263	1513	1638	1295	942	795	580	509	515	224	6	6	3	16	3	16	
08:46:20	20	4	1060	-1.4	447	203	8035	1548	1590	1356	872	721	564	554	590	196	10	6	6	0	16	0	
08:46:50	20	4	930	-1.4	447	200	7036	1535	1446	1058	782	635	497	484	405	154	10	10	6	3	10	3	
08:47:20	20	4	840	-1.4	430	207	7173	1501	1462	1051	776	644	458	490	513	173	10	3	3	10	6	3	
08:47:50	20	4	770	-1.3	446	207	8869	1663	1263	952	897	635	439	395	401	205	13	10	10	10	3	3	
08:48:20	20	4	610	-1.2	465	210	9833	1404	1147	910	841	651	340	303	327	122	6	6	3	10	3	10	
08:48:50	20	4	490	-1.2	462	210	9000	1587	1074	856	647	503	378	304	410	193	16	0	3	3	13	6	
08:49:20	20	4	390	-1.3	470	211	5436	1872	865	651	577	401	321	301	244	186	10	3	3	3	0	0	
08:51:10	20	4	200	-1.4	460	215	5468	3157	338	404	255	221	139	144	125	74	0	0	0	3	3	3	
08:51:30	20	4	170	-1.6	471	214	5519	3830	804	285	199	128	103	71	51	32	3	0	6	6	0	0	
08:51:50	20	4	40	-1.7	498	182	5731	4180	865	253	163	36	64	48	45	0	6	0	0	0	3	3	
08:52:10	20	4	40	-1.5	496	185	5404	3981	821	272	157	87	67	38	26	22	3	3	0	6	0	0	
08:52:30	20	4	40	-1.4	511	176	5275	3891	817	276	83	106	45	23	15	0	3	3	0	3	3	0	
08:52:50	20	4	40	-1.4	497	168	5490	4056	853	244	151	87	45	32	16	3	0	0	3	0	0	0	
08:53:10	20	4	40	-1.4	489	180	5238	3837	804	228	112	87	23	19	16	6	0	0	0	0	0	0	
08:55:00	30	3	40	-1.5	484	152	5071	4327	804	244	120	68	4	2	0	0	0	0	0	2	0	0	
08:55:30	30	3	40	-1.6	486	190	5333	4017	868	293	113	66	4	0	2	0	0	0	0	0	0	0	
08:56:00	30	3	40	-1.7	485	196	5027	4483	900	271	160	94	6	2	4	0	0	0	0	0	0	0	
08:57:10	30	3	120	-1.6	495	217	5560	4233	915	226	109	66	2	4	2	0	2	0	0	0	0	0	
08:57:40	30	3	120	-1.6	492	210	5069	4382	1041	301	143	105	9	0	4	2	2	0	0	0	0	0	
08:58:10	30	3	120	-1.7	496	210	5705	4218	940	284	113	109	2	0	0	0	0	0	0	0	0	0	
08:58:40	30	3	210	-1.7	498	221	6278	4692	915	342	165	150	11	0	2	2	0	0	0	0	0	0	
08:59:10	30	3	210	-1.8	500	221	6843	4830	1024	342	209	152	26	4	2	2	2	0	0	0	0	0	
08:59:40	30	3	210	-1.7	499	217	6224	4483	1045	338	192	154	9	4	0	0	0	0	0	0	0	0	
09:01:00	30	3	310	-1.6	488	224	6476	4783	959	397	154	168	6	2	2	0	0	2	0	2	0	0	
09:02:20	30	3	310	-1.5	490	223	6427	4701	927	402	207	173	13	2	0	0	2	0	0	0	0	0	12
09:02:50	30	3	310	-1.5	480	218	6415	4701	934	393	233	152	24	2	2	4	0	0	0	0	0	0	
09:03:50	30	3	410	-1.4	456	225	6600	4105	1089	545	432	415	58	0	0	6	2	0	0	0	0	0	
09:04:20	30	3	410	-1.2	456	225	6515	4081	1013	613	342	412	38	6	4	4	0	0	0	0	0	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (MI)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
08:04:50	30	3	410	-1.3	460	220	6571	4128	991	657	385	400	79	2	9	4	4	0	0	2	0	0	
08:05:50	30	3	510	-1.0	454	221	7000	3810	1160	769	598	571	113	11	11	11	4	0	0	2	0	0	
08:06:20	30	3	510	-.9	4[illegible]	214	6313	3707	1137	738	557	513	83	9	17	6	4	0	0	0	0	0	
08:06:50	30	3	510	-.9	463	224	6891	3645	1239	716	500	509	156	6	0	11	0	0	0	2	0	0	
08:07:50	30	3	510	-.9	470	224	7152	3370	1212	944	744	639	130	24	2	13	13	4	0	0	2	0	
08:08:20	30	3	610	-1.1	450	220	7078	3200	1261	989	659	748	105	11	21	19	9	0	0	2	0	0	
08:08:50	30	3	610	-1.3	453	220	7526	3120	1425	1034	818	872	246	19	9	13	6	0	0	0	0	0	
08:10:00	30	3	710	-1.4	454	224	7355	3032	1526	1165	955	964	141	19	15	26	9	0	2	0	0	0	
08:10:30	30	3	710	-1.4	450	221	7991	2859	1568	1243	974	1110	177	11	13	15	6	2	0	0	0	0	
08:11:00	30	3	710	-1.4	440	225	7552	3065	1372	1068	832	951	105	24	13	24	9	0	0	0	4	0	
08:12:00	30	3	810	-1.3	413	233	8019	3200	1521	1190	874	944	162	13	24	24	4	0	2	0	0	0	
08:12:30	30	3	810	-1.4	440	235	8075	3310	1427	1159	900	1041	156	13	13	20	15	0	0	0	0	0	
08:13:00	30	3	810	-1.4	434	228	8158	3373	1605	1073	887	970	201	11	6	13	9	2	2	0	2	0	
08:14:00	30	3	900	-1.4	434	232	8218	3269	1561	1159	955	1026	150	15	21	24	4	2	0	0	0	0	
08:14:30	30	3	905	-1.3	415	228	7709	4055	1372	831	656	713	34	21	9	15	0	0	0	0	0	0	
08:15:00	30	3	920	-1.2	472	230	8088	3150	1543	1173	922	1058	142	12	17	19	13	0	0	0	0	0	
08:15:00	30	3	1025	-1.4	449	231	7979	3402	1434	1158	850	932	150	11	9	15	9	0	0	0	0	0	
08:16:30	30	3	1025	-1.3	439	229	7759	4150	1300	906	670	658	26	11	13	11	0	0	2	0	0	0	
08:17:00	30	3	1025	-1.4	442	237	8139	3333	1520	1126	362	1077	152	11	9	19	13	0	4	0	0	0	
08:18:00	30	3	1120	-1.4	454	230	8312	4389	1434	1011	867	724	80	11	4	13	0	0	0	0	0	0	
08:18:30	30	3	1125	-1.4	414	236	8310	3917	1513	1058	771	937	98	5	15	17	4	2	0	0	0	0	
08:19:00	30	3	1120	-1.3	449	231	8421	4241	1508	1002	730	726	98	9	13	6	15	0	4	2	0	0	
08:20:00	30	3	1275	-1.2	423	223	8406	5622	1267	954	468	359	15	13	2	4	2	0	0	0	0	0	
08:20:30	30	3	1270	-1.3	429	230	8115	4605	1363	855	590	573	34	8	4	17	2	2	0	0	0	0	
08:21:00	30	3	1275	-1.3	444	233	8006	4545	1312	882	581	613	30	9	15	19	0	0	0	0	0	0	
08:24:00	30	3	1345	-.8	447	230	8502	6241	1235	434	319	231	19	13	4	2	4	2	0	0	0	0	
08:24:30	30	3	1345	-1.3	452	230	8468	5532	1297	714	438	432	17	6	9	13	2	2	0	0	0	0	
08:25:00	30	3	1345	-1.3	452	232	8206	4521	1442	897	622	722	47	0	13	17	4	0	0	2	0	0	
08:26:50	30	3	1445	-1.2	452	231	8522	5845	1286	665	459	340	13	2	9	2	0	0	0	0	0	0	28
08:27:20	30	3	1445	-1.3	450	230	8769	5455	1365	818	549	521	28	9	15	4	2	2	0	0	0	0	
08:27:50	30	3	1445	-1.4	413	250	9053	4141	1571	1109	934	1058	90	2	13	26	9	0	2	0	0	0	
08:29:00	30	3	1555	-1.1	455	223	8828	5976	1310	652	481	380	9	11	4	11	2	2	0	0	0	0	
08:29:30	30	3	1555	-1.4	515	232	9594	5812	1228	550	530	409	41	6	9	6	6	0	0	0	0	0	
08:30:00	30	3	1555	-1.1	485	229	10447	5472	1478	1095	870	934	212	51	45	113	79	9	0	0	0	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
09:30:00	20	3	1530	-1.2	476	231	8244	5866	1199	504	298	286	3	10	3	10	0	0	3	0	0	0	
09:30:40	20	3	1390	-1.2	458	234	8029	6337	1304	563	420	269	10	10	6	6	0	0	0	0	0	0	
09:31:00	20	3	1300	-1.2	435	244	8256	5474	1147	663	510	429	19	0	6	0	0	0	0	0	0	0	
09:31:20	20	3	1170	-1.1	430	230	8353	5420	1404	779	522	539	80	10	16	13	10	0	0	0	0	0	
09:31:40	20	3	1090	-1.3	449	243	8801	5939	1362	721	433	397	16	16	13	3	0	0	0	0	0	0	
09:32:00	20	3	900	-1.3	455	244	8013	4564	1397	792	587	567	87	6	6	19	6	0	0	0	0	0	
09:32:20	20	3	800	-1.3	442	244	8017	4007	1708	1108	859	853	196	16	3	13	13	3	0	0	0	0	
09:32:40	20	3	720	-1.1	443	248	8119	4080	1346	926	718	753	221	3	19	26	10	0	0	0	0	0	
09:33:00	20	3	640	-1.1	435	250	7878	4831	1237	798	503	538	138	16	10	0	3	0	0	0	3	0	
09:33:20	20	3	570	-1.0	440	250	7936	4308	1345	917	520	571	93	10	3	3	3	0	3	0	0	0	
09:33:40	20	3	410	-1.0	453	257	7040	4247	1189	750	525	551	48	6	3	3	0	0	0	0	0	0	
09:34:00	20	3	290	-.8	468	257	7551	4731	1115	660	465	510	48	0	0	13	10	0	0	0	0	0	
09:34:20	20	3	190	-.7	495	260	7202	5090	1013	542	311	301	29	3	0	3	0	0	0	0	0	0	
09:34:40	20	3	90	-.6	462	231	6939	4990	1064	317	144	77	0	3	0	0	0	0	3	0	0	0	
09:35:00	20	3	40	-.5	453	265	6029	4462	974	288	138	80	0	3	3	3	0	0	0	0	0	0	
09:35:20	20	3	40	-.4	461	271	6327	4630	1051	292	193	113	3	0	0	3	0	0	0	0	0	0	
09:35:40	20	3	40	-.3	462	272	6256	4800	952	269	141	80	3	0	0	3	0	0	0	0	0	0	
09:36:00	20	3	40	-.1	461	270	5373	4180	779	308	100	26	3	0	0	0	0	0	0	0	0	0	
09:36:20	20	3	40	-.1	451	280	6202	4792	1000	279	128	87	0	0	0	0	0	0	0	0	0	0	
09:36:40	20	3	40	-.1	445	291	5463	4136	795	298	131	51	6	0	0	0	0	0	0	0	0	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
09:38:20	30	4	45	.1	424	206	6013	3590	823	432	348	239	139	152	137	49	0	0	0	2	0	2	
09:39:50	30	4	40	.2	428	248	6038	3503	944	458	299	239	171	147	94	66	11	0	6	6	2	0	
09:40:20	30	4	45	.2	441	252	5818	3524	857	429	291	169	150	126	120	32	2	0	0	2	2	4	
09:40:50	30	4	40	.1	437	243	5774	3432	870	479	325	212	135	145	103	45	9	0	6	2	2	4	
09:41:20	30	4	45	.2	427	201	6051	4173	804	374	182	128	113	81	73	21	2	0	0	0	0	0	
09:41:50	30	4	40	.3	412	230	6226	4483	910	308	199	120	90	43	47	11	4	2	0	0	2	0	
09:42:20	30	4	45	.5	404	270	6051	4214	1002	346	130	139	68	81	56	11	6	0	0	2	0	0	
09:42:50	30	4	40	.4	445	273	6030	4201	936	346	201	150	100	81	49	15	2	2	2	0	2	2	
09:43:20	30	4	45	.3	431	315	5878	3200	959	491	374	248	171	126	118	34	4	2	4	6	2	2	
09:43:50	30	4	40	.3	457	281	5571	3701	947	500	417	280	250	241	173	45	0	4	9	2	0	6	
09:44:20	30	4	45	.3	465	300	5712	2700	942	598	438	282	250	188	212	66	2	2	2	0	11	9	
09:44:50	30	4	40	.3	459	270	5735	2536	874	703	439	343	233	244	194	43	4	4	2	2	2	2	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
09:46:30	30	4	12[illegible]	.2	491	270	5630	2776	951	596	421	293	205	192	152	34	0	2	2	2	2	0	
09:47:00	30	4	125	.1	444	280	5519	2793	915	547	380	278	229	162	169	24	2	6	2	4	2	0	
09:47:30	30	4	125	.0	458	287	5643	2761	947	622	434	306	188	175	175	32	2	0	0	0	2	0	
09:48:30	30	4	215	-.2	450	258	5733	2620	966	609	435	278	233	212	220	45	2	2	2	4	4	0	
09:49:00	30	4	215	-.2	461	256	5538	2420	951	673	479	297	269	205	209	21	2	0	4	2	0	0	
09:49:30	30	4	215	-.2	466	274	5549	2630	1013	615	415	312	197	177	199	36	4	0	2	2	4	2	
09:50:50	30	4	315	-.3	495	274	5778	2308	1142	741	449	300	280	232	235	41	0	2	4	0	2	4	
09:51:20	30	4	315	-.3	447	266	5598	2135	1071	838	500	402	244	259	241	43	2	2	11	2	0	0	
09:51:50	30	4	315	-.3	450	267	5442	2182	991	718	462	329	237	222	265	43	2	0	4	4	2	0	
09:52:50	30	4	415	-.3	421	264	5809	2143	1053	735	532	372	306	279	327	30	6	2	4	0	2	2	
09:53:20	30	4	415	-.3	427	262	5600	1994	1079	726	490	378	280	308	271	47	2	4	2	0	4	0	
09:53:50	30	4	410	-.5	449	261	5675	2248	994	746	504	367	239	274	212	43	2	2	6	4	11	4	
09:54:50	30	4	505	-.4	458	251	5082	2200	883	710	565	380	297	218	214	41	4	2	2	4	4	2	
09:55:20	30	4	500	-.5	463	259	5788	2115	1098	746	494	459	310	219	201	34	5	4	2	4	0	0	
09:55:50	30	4	505	-.4	509	256	5528	2250	980	690	496	329	201	280	214	45	6	0	2	2	0	4	
09:57:00	30	4	615	-.3	451	259	5645	2004	1058	720	562	374	271	238	260	31	2	2	4	4	2	2	
09:57:30	30	4	615	-.4	433	274	5801	1774	1107	855	506	510	357	316	205	53	4	0	2	0	4	2	30
09:58:00	30	4	615	-.3	439	263	5585	1726	1077	744	592	462	297	238	278	100	2	2	0	4	0	0	
09:59:10	30	4	715	-.4	445	272	5487	2004	978	722	482	383	232	224	222	45	4	2	0	4	2	4	
09:59:40	30	4	710	-.3	464	260	5603	1853	1032	722	538	459	303	269	259	90	4	2	2	0	0	2	
10:00:10	30	4	715	-.3	457	265	5843	1887	1109	799	584	410	312	289	303	137	4	12	4	11	2	0	
10:01:20	30	4	810	-.3	464	254	5654	2201	1015	741	524	323	234	198	256	43	0	2	0	4	4	2	
10:01:50	30	4	815	-.2	380	290	5771	2003	1177	714	504	302	218	278	207	79	0	6	4	2	2	2	
10:02:20	30	4	815	-.1	427	263	5953	2004	1098	723	510	375	201	201	269	85	0	2	2	4	0	0	
10:02:50	30	4	905	-.1	445	272	5457	2400	998	598	449	351	232	190	177	20	4	4	0	2	2	4	
10:03:50	30	4	970	.0	422	269	5310	2332	970	600	412	291	218	214	237	47	0	2	2	4	2	2	
10:04:20	30	4	995	.0	437	282	5526	1869	905	735	532	410	300	278	288	88	2	0	2	0	4	2	
10:05:30	30	4	1095	.0	403	276	5047	2237	1078	600	472	305	230	205	197	51	6	0	2	4	13	0	
10:06:00	30	4	1095	.2	370	277	5975	2227	969	951	329	190	197	150	103	13	4	4	0	2	0	0	
10:06:30	30	4	1020	-.1	459	269	5526	2570	980	590	432	250	203	197	159	13	0	0	2	4	0	4	
10:07:40	30	4	1125	.1	437	265	5850	2855	991	573	395	280	192	152	145	43	4	2	6	2	2	0	
10:08:10	30	4	1135	-.1	438	250	5513	2363	991	534	400	223	109	222	137	6	0	4	2	4	6	0	31
10:08:40	30	4	1125	-.2	462	271	5438	2487	1009	660	429	295	190	175	109	15	2	0	4	0	0	2	
10:09:50	30	4	1235	-.1	429	263	5230	2554	950	556	400	261	223	158	118	17	6	2	4	2	2	2	
10:10:20	30	4	1235	.0	450	260	5487	2802	882	547	335	267	171	156	120	11	2	0	0	0	0	2	
10:10:50	30	4	1235	.0	446	267	5724	2400	1061	675	479	368	237	205	138	34	6	0	2	0	2	2	
10:11:50	30	4	1375	-.2	448	268	5462	2124	1028	671	487	339	262	259	237	30	4	6	4	2	2	0	
10:12:20	30	4	1335	-.1	450	267	5541	3005	988	521	267	270	152	150	83	6	0	2	0	4	2	0	
10:12:50	30	4	1375	.0	442	267	5459	2920	1020	532	332	239	143	120	90	0	0	11	2	4	2	0	
10:14:00	30	4	1445	.0	442	261	5408	3118	923	491	283	231	135	143	82	0	2	4	4	4	2	0	
10:14:30	30	4	1445	-.1	441	263	5432	3056	981	457	340	216	137	154	73	2	6	4	0	6	0	0	
10:15:00	30	4	1445	.0	447	268	5281	2954	910	455	344	252	152	128	85	6	0	0	6	0	2	0	
10:15:30	30	4	1595	-.1	444	259	5502	3043	985	582	339	230	147	150	79	4	4	2	2	2	4	0	
10:16:30	30	4	1595	-.2	442	263	5202	2421	1008	603	374	288	175	222	139	13	0	4	0	0	4	2	
10:17:00	30	4	1575	-.1	444	263	5427	2741	1120	526	332	274	134	135	95	4	2	0	4	2	4	2	
10:17:20	20	4	1510	-.1	451	266	5234	2984	901	481	292	224	180	112	61	6	3	3	3	3	0	0	
10:17:40	20	4	1420	-.2	442	270	5529	2920	1058	516	359	205	157	132	109	3	0	0	3	3	3	0	
10:18:00	20	4	1290	-.2	447	274	5362	2907	978	583	343	256	138	183	87	3	0	3	0	3	0	0	
10:13:20	20	4	1210	-.1	447	272	5272	2324	950	542	285	253	123	141	84	3	0	0	3	3	3	0	
10:18:40	20	4	1070	-.1	425	283	5404	3042	992	452	330	231	180	167	87	0	3	0	0	0	0	0	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
10:19:00	20	4	990	-.1	461	297	5048	2715	910	497	321	218	138	144	77	10	0	0	5	6	6	0	
10:19:20	20	4	860	.1	467	280	5375	3071	901	513	349	202	109	157	48	3	3	0	3	6	10	0	
10:19:40	20	4	780	.2	460	283	5335	3372	866	474	301	147	113	109	80	0	3	3	0	0	0	3	
10:20:00	20	4	640	.1	421	308	5208	2900	821	484	15	226	103	170	103	6	6	0	0	3	0	3	
10:20:20	20	4	560	.3	437	302	5071	2940	837	465	324	196	179	131	83	0	3	3	0	0	3	0	
10:20:40	20	4	470	.5	430	300	4817	2703	827	423	304	157	131	112	87	0	0	3	3	3	3	0	
10:21:00	20	4	330	.4	396	304	5250	3223	926	436	247	199	83	87	32	3	0	3	3	0	3	0	
10:21:20	20	4	200	.5	400	313	5022	3110	782	413	247	189	106	112	54	0	0	0	0	3	3	0	
10:21:40	20	4	120	.5	414	338	5541	3481	952	462	240	186	122	123	61	3	0	6	0	0	3	0	
10:22:00	20	4	30	.9	408	335	5282	3256	887	388	278	192	109	109	38	0	0	0	0	0	3	3	
10:22:20	20	4	75	1.1	471	350	5356	3551	805	308	180	128	106	71	29	3	3	0	0	3	0	0	
10:22:40	20	4	75	1.0	473	343	5170	3340	811	311	247	186	109	38	87	0	3	0	0	0	0	0	
10:23:00	20	4	75	1.0	464	353	4952	3170	870	382	200	154	83	77	15	3	0	3	0	0	3	0	
10:25:30	30	3	75	1.2	472	334	6212	4778	972	287	129	62	4	2	0	0	0	0	0	0	0	0	
10:25:20	30	3	75	1.2	461	337	6373	4974	909	276	155	56	0	0	4	4	2	0	0	0	0	0	
10:26:50	30	3	30	1.2	480	350	6129	4748	957	314	143	51	0	0	2	0	0	0	0	0	0	0	
10:27:20	30	3	75	1.4	434	359	5962	4622	902	259	124	51	0	2	0	0	2	0	0	0	0	0	
10:27:50	30	3	75	1.4	467	347	6045	4707	876	261	129	49	2	2	2	2	2	0	0	0	0	0	
10:34:40	30	3	105	1.9	447	341	5913	4343	930	213	119	41	2	5	2	0	0	0	0	0	0	0	
10:35:10	30	3	100	1.9	470	342	5941	4321	859	271	139	28	2	2	5	0	2	0	0	0	0	0	
10:35:40	30	3	105	1.9	477	344	5941	4245	921	205	129	41	0	0	2	4	4	0	0	0	0	0	
10:37:10	30	3	215	1.8	479	328	5686	4395	814	301	132	32	2	0	2	0	0	0	0	0	0	0	
10:37:40	30	3	210	1.9	443	327	5491	4282	905	231	117	33	0	4	0	0	0	0	0	0	0	0	
10:38:10	30	3	210	1.9	450	328	5650	4370	890	252	122	28	4	0	4	2	0	0	0	0	0	0	
10:39:30	30	3	300	2.0	472	323	5511	4290	910	250	90	47	6	0	6	2	0	0	0	0	0	0	
10:40:00	30	3	300	2.2	472	320	5468	4220	948	241	111	30	0	0	6	4	0	0	0	0	0	0	
10:40:30	30	3	300	2.0	471	322	5359	4171	756	214	152	56	4	0	2	0	0	4	0	0	0	0	
10:41:40	30	3	405	2.0	471	322	5479	4207	829	271	120	45	2	4	0	0	0	0	0	0	0	0	
10:42:10	30	3	405	2.1	451	323	5637	4332	933	251	126	23	0	2	4	0	0	0	0	0	0	0	
10:42:40	30	3	405	2.1	462	313	5259	4092	782	246	124	21	4	6	0	0	2	0	0	0	0	0	
10:43:40	30	3	495	2.0	441	312	5673	4385	823	234	139	26	6	2	2	4	2	0	0	0	0	0	
10:44:10	30	3	495	1.9	474	310	5560	4404	751	220	117	24	2	2	2	0	0	2	0	0	0	0	
10:44:40	30	3	495	2.0	474	318	5395	4214	750	286	102	24	2	6	11	0	0	0	0	0	0	0	
10:45:40	30	3	600	1.6	450	305	5855	4506	868	251	102	34	4	9	2	0	0	0	2	0	0	0	
10:46:10	30	3	600	1.6	440	308	5947	4620	843	254	160	34	11	2	13	4	0	0	0	0	0	0	
10:46:40	30	3	600	1.6	446	303	5788	4417	821	338	147	28	4	4	9	0	0	0	0	0	0	0	
10:47:40	30	3	715	1.6	452	303	5620	4370	803	252	154	28	4	9	0	2	0	0	0	0	0	0	
10:48:10	30	3	710	1.6	412	300	6049	4643	868	312	165	49	9	2	2	0	0	0	0	0	0	0	
10:48:40	30	3	710	1.6	449	297	6004	4724	848	250	143	24	4	2	4	4	0	0	0	0	0	0	
10:49:40	30	3	815	1.5	433	294	5919	4507	774	333	175	21	2	2	2	0	0	0	2	0	0	0	
10:50:10	30	3	810	1.5	424	305	5889	4474	929	271	160	23	9	4	2	5	0	0	2	0	0	0	
10:50:40	30	3	815	1.5	457	301	5735	4417	814	314	156	19	2	0	4	4	4	0	0	0	0	0	
10:51:50	30	3	925	1.5	445	297	6152	4697	908	293	205	28	9	4	4	0	4	0	0	0	0	0	
10:52:20	30	3	925	1.5	439	301	6019	4654	991	248	167	38	6	4	0	6	2	0	2	0	0	0	
10:52:50	30	3	925	1.5	470	293	6019	4607	853	329	192	19	4	11	2	0	2	0	0	0	0	0	
10:53:50	30	3	1025	1.4	443	302	5937	4507	780	251	216	13	2	2	4	0	2	0	0	0	0	0	
10:54:20	30	3	1025	1.5	466	302	5761	4419	818	288	179	32	6	4	6	4	0	0	0	0	0	2	
10:54:50	30	3	1025	1.8	478	308	5592	4421	797	287	171	13	4	9	4	4	0	2	0	0	0	0	
10:55:50	30	3	1125	1.8	478	301	5803	4412	752	246	141	28	0	11	4	0	2	0	0	0	0	0	
10:56:20	30	3	1125	1.9	411	307	5671	4375	333	263	141	45	2	0	2	4	0	0	0	2	0	2	

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LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
10:56:50	30	3	1120	1.9	457	307	5474	4340	731	212	150	17	2	6	11	5	0	0	0	0	0	0	
10:53:10	30	3	1270	1.8	475	294	5643	4440	759	267	141	21	4	6	0	4	0	0	0	0	0	0	
10:58:40	30	3	1275	1.8	521	297	5562	4333	746	297	139	38	2	4	2	0	0	0	0	0	0	0	
10:53:10	30	3	1270	1.9	482	301	5532	4462	801	244	142	24	6	5	4	2	0	0	0	0	0	0	
11:00:20	30	3	1370	1.0	455	297	5575	4342	737	321	130	34	2	4	2	2	0	0	0	0	0	0	
11:00:50	30	3	1335	1.9	455	294	5524	4387	792	220	100	13	4	2	4	0	0	0	0	0	0	0	
11:01:20	30	3	1375	1.9	450	291	5325	4237	718	224	124	13	4	2	2	2	0	0	0	0	0	0	
11:03:00	30	3	1440	1.9	445	304	5513	4237	744	230	156	21	2	4	6	2	0	0	0	0	0	0	
11:03:30	30	3	1440	1.9	440	302	5092	4020	718	197	120	17	2	2	4	0	0	0	0	0	0	0	
11:04:00	30	3	1440	2.1	454	313	5335	4625	720	293	154	19	4	2	6	0	0	2	0	0	0	0	
11:05:10	30	3	1595	2.1	445	297	5509	4361	748	297	150	21	4	2	2	2	0	0	0	0	0	0	
11:05:40	30	3	1590	1.9	450	299	5234	4103	752	250	145	17	4	0	2	2	0	0	0	2	0	0	
11:06:10	30	3	1590	2.0	470	290	5205	4103	827	248	145	19	0	4	6	2	0	0	0	0	0	0	
11:09:30	20	3	1555	2.0	454	293	5471	4290	734	235	131	6	0	6	3	3	0	0	0	3	0	0	
11:06:50	20	3	1595	2.0	464	297	5196	4115	702	199	147	16	3	0	3	0	0	0	0	0	0	0	
11:07:10	20	3	1595	1.8	439	303	5471	4293	712	259	151	32	0	3	0	3	3	0	0	0	0	0	
11:07:30	20	3	1470	1.9	447	311	5045	3904	726	250	128	22	0	10	3	0	0	0	0	0	0	0	
11:07:50	20	3	1340	2.0	458	312	5212	4112	724	224	115	28	5	0	0	3	0	0	0	0	0	0	
11:08:10	20	3	1250	2.2	484	310	5218	4038	747	253	154	13	3	3	6	0	0	0	0	0	0	0	
11:08:30	20	3	1120	2.2	457	320	5116	4010	744	240	99	10	0	6	0	3	3	0	0	0	0	0	
11:08:50	20	3	1070	2.3	438	333	5208	4256	683	234	96	19	3	3	3	0	0	0	0	0	0	0	
11:09:10	20	3	900	2.4	462	330	4971	3932	680	234	103	29	6	0	3	3	0	0	0	0	0	0	
11:09:30	20	3	810	2.7	472	337	5002	3923	702	206	122	6	10	0	3	0	0	0	0	0	0	0	
11:09:50	20	3	690	2.4	477	331	4920	3838	705	199	103	13	10	0	3	0	0	0	0	0	0	0	
11:10:10	20	3	600	2.6	479	330	5278	4180	747	205	112	10	6	3	0	3	0	0	0	0	0	0	
11:10:30	20	3	470	2.9	491	339	5022	3904	740	240	112	13	3	3	6	0	0	0	0	0	0	0	
11:10:50	20	3	380	2.7	482	337	5019	3913	740	250	77	13	6	3	3	3	0	0	0	0	0	0	
11:11:10	20	3	240	2.8	466	337	5240	4103	808	212	97	6	3	10	3	3	0	0	0	0	0	0	
11:11:30	20	3	150	2.9	522	354	4706	3721	831	228	100	6	6	0	6	3	0	0	0	0	0	0	
11:11:50	20	3	20	3.2	484	374	4135	3090	554	272	87	19	3	3	0	6	0	0	0	0	0	0	
11:12:10	20	3	70	3.3	416	382	4084	3131	631	182	77	12	6	3	16	3	0	0	0	0	0	0	
11:12:30	20	3	20	3.4	461	379	4183	3272	590	205	99	10	0	0	0	3	0	3	0	0	0	0	
11:12:50	20	3	20	3.7	484	370	4051	3151	580	170	112	12	16	6	3	0	0	0	0	0	0	0	

DATE -- 03/01/70

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
07:31:00	60	4	00	2.3	111	2	6681	5125	1059	296	85	81	24	20	3	1	1	2	0	1	2	0	32
07:32:00	60	4	00	2.2	118	0	6298	4795	1048	271	85	46	22	12	1	4	3	3	1	3	1	0	
07:33:00	60	4	00	2.4	117	2	6174	4753	970	240	89	49	42	19	7	1	2	4	0	1	0	0	
07:34:00	60	4	00	2.2	119	3	5843	4516	917	253	60	40	19	20	5	2	3	0	4	2	1	0	
07:35:00	60	4	00	2.3	122	2	5875	4592	871	225	78	48	28	21	5	2	3	1	2	1	0	0	
07:36:00	60	4	00	2.4	131	2	5879	4517	937	224	37	51	20	24	4	6	1	3	2	1	1	0	
07:37:00	60	4	00	2.3	146	3	5406	4284	851	199	69	27	34	17	9	3	0	0	2	1	0	0	
07:38:00	60	4	00	2.4	147	3	5715	4330	913	217	87	38	29	21	5	0	1	4	1	2	1	2	
07:39:00	60	4	00	2.4	147	2	5509	4183	859	208	71	35	26	18	5	2	2	1	1	1	0	0	
07:40:00	60	4	00	2.4	181	0	5503	4339	950	220	79	43	34	17	9	4	4	1	1	0	0	0	
07:41:00	60	4	00	2.6	160	0	5235	4020	784	219	82	60	18	20	10	3	0	3	2	4	2	1	
07:42:00	60	4	00	2.3	163	3	5171	3904	803	199	82	49	32	24	7	2	0	1	1	5	1	0	
07:43:00	60	4	00	2.4	161	3	5337	4109	809	220	75	47	30	24	7	0	5	1	1	0	4	0	
07:44:00	60	4	00	2.4	160	3	5223	4105	723	196	93	60	28	27	4	1	4	0	2	0	0	0	
07:45:00	60	4	00	2.3	171	3	5202	4029	755	214	92	50	27	21	4	3	2	0	2	1	1	0	
07:46:00	60	4	00	2.3	190	3	5131	4013	745	196	64	50	33	20	3	0	1	1	2	3	0	0	
07:47:00	60	4	00	2.3	202	3	5130	4029	721	182	93	47	27	12	7	3	2	1	2	3	0	0	
07:48:00	60	4	00	2.4	175	3	5005	3940	757	180	70	40	40	26	6	0	1	3	2	2	0	0	
07:49:00	60	4	00	2.2	156	3	4929	3837	713	194	97	36	22	26	11	2	5	4	2	0	0	0	
07:50:00	60	4	00	2.3	160	3	5029	3905	756	137	84	43	17	17	9	4	2	1	1	1	0	0	
07:51:00	60	4	00	2.2	169	3	4924	3803	699	190	67	45	12	24	5	3	1	1	2	1	1	1	
07:52:00	60	4	00	2.4	136	3	4880	3837	695	194	72	36	25	19	0	3	2	2	2	1	2	0	
07:53:00	60	4	00	2.4	190	3	4880	3820	702	202	68	38	25	21	10	1	0	1	0	0	3	0	
07:54:00	60	4	00	2.3	184	3	4855	3792	700	179	73	52	28	16	3	4	2	1	2	0	2	0	
07:55:00	60	4	00	2.4	186	3	4770	3703	687	178	74	56	27	24	9	3	2	1	3	3	0	1	
07:56:00	60	4	00	2.3	180	3	4806	3732	719	192	74	44	10	15	10	3	1	3	2	1	0	0	
07:57:00	60	4	00	2.4	206	3	4755	3671	673	198	70	43	31	38	6	3	4	3	1	1	0	0	
07:58:00	60	4	00	2.4	221	3	4820	3733	640	200	75	43	18	25	12	0	4	1	0	4	1	2	
07:59:00	60	4	00	2.0	205	0	4903	3809	642	195	82	38	25	17	5	2	2	1	2	1	0	1	
08:00:00	60	4	00	2.3	217	3	4480	3480	547	153	73	35	30	21	12	3	1	3	3	0	1	0	
08:01:00	60	4	00	2.4	228	0	4088	3032	662	170	82	51	20	24	5	2	2	2	1	1	0	0	
08:02:00	60	4	00	2.4	243	3	4035	3526	712	173	75	37	27	27	2	0	2	2	1	2	1	1	
08:03:00	60	4	00	2.4	284	0	4415	3410	641	177	79	40	22	21	6	2	1	5	0	2	0	0	
08:04:00	60	4	00	2.6	259	0	4000	3507	642	159	68	45	28	17	6	2	6	2	3	2	1	0	
08:05:00	60	4	00	2.7	241	0	4479	3434	680	187	89	54	25	17	9	5	4	1	2	1	4	0	
08:06:00	60	4	00	2.7	228	4	4403	3420	673	153	73	43	24	19	14	5	1	2	1	2	2	1	
08:07:00	60	4	00	2.8	231	4	4005	3515	629	184	74	32	19	24	5	3	5	4	0	1	1	2	
08:08:00	60	4	00	2.9	274	4	4413	3432	651	159	65	37	26	19	4	2	1	3	1	1	1	1	
08:09:00	60	4	00	2.9	302	0	4412	3423	610	186	62	49	20	25	10	1	2	3	2	0	2	0	
08:10:00	60	4	00	2.7	332	8	4403	3403	625	179	94	47	21	25	5	1	1	1	3	1	1	0	
08:11:00	60	4	00	3.0	323	0	4455	3420	669	186	67	36	21	11	12	2	3	3	0	1	1	0	
08:12:00	60	4	00	3.0	321	10	4242	3300	656	140	72	42	29	18	10	2	1	1	3	1	2	1	
08:13:00	60	4	00	3.2	324	10	4323	3331	641	156	75	45	31	28	9	3	0	2	0	1	1	0	
08:14:00	60	4	00	3.2	337	11	4201	3299	658	173	83	38	29	19	7	1	0	1	0	2	0	0	
08:15:00	60	4	00	3.2	339	11	4454	3430	613	181	77	53	31	19	9	3	3	2	2	3	0	1	
08:16:00	60	4	00	3.2	337	11	4393	3390	599	173	95	47	26	27	13	4	1	3	2	4	0	0	
08:17:00	60	4	00	3.3	333	11	4330	3351	601	202	73	35	20	26	7	3	3	2	0	2	3	0	
08:18:00	60	4	00	3.3	339	11	4406	3410	606	181	97	60	29	13	4	3	1	1	2	2	0	0	
08:19:00	60	4	00	3.3	346	11	4353	3390	628	179	55	50	24	13	7	4	2	0	2	1	1	0	
08:20:00	60	4	00	3.3	346	11	4200	3280	628	171	105	32	28	19	13	6	2	0	2	1	0	2	

DATE -- 03/01/75

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
03:21:00	60	4	00	3.4	349	10	4189	3222	632	153	69	48	19	20	7	2	5	0	1	2	0	1	
03:22:00	60	4	00	3.4	353	11	4167	3280	553	169	59	43	31	10	5	4	1	1	1	1	2	0	
03:23:00	60	4	00	3.5	357	11	4135	3240	604	158	74	42	25	19	5	2	3	4	3	1	2	2	
03:24:00	60	4	00	3.5	360	10	4105	3240	591	151	69	46	19	19	6	7	2	1	2	1	3	0	
03:25:00	60	4	00	3.5	361	10	4122	3183	603	152	64	41	30	24	10	3	3	0	2	1	1	1	
03:26:00	60	4	00	3.5	363	10	4058	3119	607	144	79	38	24	15	5	4	0	3	0	0	0	0	
03:27:00	60	4	00	3.5	367	10	3921	3044	572	132	64	49	28	18	6	2	0	2	1	2	1	0	
03:28:00	60	4	00	3.7	368	11	4001	3177	600	160	59	44	13	16	6	0	2	0	1	1	0	0	
03:29:00	60	4	00	3.8	371	11	3932	3043	569	156	62	32	22	22	10	3	0	4	2	1	1	3	
03:30:00	60	4	00	3.8	380	10	3893	3023	576	129	66	38	17	19	4	2	2	0	2	2	1	0	
03:31:00	60	4	00	3.3	377	11	3972	3107	587	147	65	33	11	9	2	3	0	2	4	1	0	1	
03:32:00	60	4	00	3.9	376	10	3789	2901	551	144	64	42	29	26	5	4	0	0	1	2	0	0	
03:33:00	60	4	00	4.1	381	10	3889	3033	549	141	64	47	28	19	3	0	1	1	2	3	1	0	
03:34:00	60	4	00	4.1	370	10	3732	2854	557	146	59	51	27	24	2	2	2	1	2	3	2	0	
03:35:00	60	4	00	4.1	371	10	3328	2971	545	156	54	51	20	20	3	1	2	1	0	1	1	0	
03:36:00	60	4	00	4.2	370	9	3897	2897	517	143	59	40	14	12	5	3	0	2	0	0	1	3	
03:37:00	60	4	00	4.2	390	11	3819	2903	524	129	61	44	17	24	3	2	0	0	3	0	3	1	
03:38:00	60	4	00	4.2	380	10	3716	2895	540	139	57	36	15	17	3	1	2	2	3	6	1	1	
03:39:00	60	4	00	4.5	373	10	3649	2840	535	118	68	29	19	20	9	1	3	1	3	2	0	0	
03:40:00	60	4	00	4.5	378	11	3572	2797	502	131	68	34	15	7	3	4	2	0	3	1	2	0	
03:41:00	60	4	00	4.5	370	10	3533	2822	521	118	62	24	24	12	2	0	4	2	0	2	0	0	
03:42:00	60	4	00	4.5	389	11	3525	2724	519	145	50	30	20	20	1	2	5	2	0	3	1	0	
03:43:00	60	4	00	4.5	397	11	3538	2784	513	141	53	44	17	14	7	0	4	2	1	1	1	0	
03:44:00	60	4	00	4.8	392	11	3433	2707	455	138	48	37	19	12	5	4	2	2	0	1	1	0	
03:45:00	60	4	00	4.6	377	10	3470	2702	502	126	62	25	21	19	4	1	0	2	2	0	3	0	
03:46:00	60	4	00	4.0	370	9	3391	2626	501	127	72	28	15	12	2	2	2	0	0	1	0	0	
03:47:00	60	4	00	4.5	376	8	3377	2515	510	132	46	33	17	7	2	1	6	0	1	2	2	0	
03:48:00	60	4	00	4.8	383	11	3411	2600	468	134	60	29	19	13	5	0	0	2	4	2	1	0	
03:49:00	60	4	00	4.6	384	11	3416	2660	479	135	65	21	24	18	6	3	1	3	0	1	0	0	
03:50:00	60	4	00	4.9	398	11	3225	2552	502	107	40	42	19	17	3	2	0	1	2	1	0	0	
03:51:00	60	4	00	5.0	402	10	3233	2511	517	143	49	31	13	14	4	2	0	1	1	1	1	0	
03:52:00	60	4	00	4.8	405	8	3229	2566	435	108	51	31	17	5	2	2	2	3	1	2	2	0	
03:54:00	60	4	00	4.5	397	7	3243	2547	444	132	46	27	19	14	3	3	2	1	0	4	0	0	
03:55:00	60	4	00	4.7	391	8	3201	2460	469	120	51	25	21	6	4	4	5	2	1	1	0	0	
03:56:00	60	4	00	4.3	383	11	3132	2495	439	135	48	32	17	12	3	5	1	3	1	1	0	0	
03:57:00	60	4	00	4.7	398	10	3109	2410	500	134	48	31	12	14	2	1	2	3	1	0	3	0	
03:58:00	60	4	00	4.9	398	11	3212	2500	503	100	41	27	19	11	4	1	1	1	0	1	2	0	
03:59:00	60	4	00	5.0	398	11	3201	2540	403	113	46	42	18	11	0	2	3	0	1	1	1	0	
04:00:00	60	4	00	4.7	379	7	3128	2422	475	112	50	25	13	16	2	3	0	2	2	2	1	1	
04:01:00	60	4	00	5.0	392	10	3163	2484	437	119	57	27	12	12	4	5	2	1	1	0	3	0	
04:02:00	60	4	00	4.9	397	10	3169	2486	447	122	48	27	17	11	1	0	3	2	1	0	1	0	
04:03:00	60	4	00	5.2	404	12	3091	2410	485	103	36	14	19	12	1	3	1	0	4	1	1	0	
04:04:00	60	4	00	5.2	407	11	2913	2286	401	113	47	29	11	11	2	0	2	2	4	1	4	0	
04:05:00	60	4	00	5.2	410	11	2989	2300	443	113	45	24	13	9	2	0	3	0	2	4	1	0	
04:07:00	60	4	00	4.9	410	11	3041	2386	418	109	38	26	20	7	0	2	3	3	3	1	1	0	
04:08:00	60	4	00	5.2	389	11	2942	2325	405	114	44	13	13	12	2	3	0	2	2	1	0	0	
04:09:00	60	4	00	5.0	390	11	2995	2382	395	119	30	9	7	5	3	0	1	1	1	0	1	0	
04:10:00	60	4	00	5.2	395	12	2947	2304	437	109	44	19	13	10	2	1	1	1	1	5	0	0	
04:11:00	60	4	00	4.7	395	11	2705	2123	421	119	40	27	16	6	0	1	0	0	2	1	0	1	
04:12:00	60	4	00	5.0	390	12	2978	2347	413	108	43	25	13	12	1	1	1	6	2	0	1	0	

DATE -- 03/01/76

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
09:13:00	60	4	00	5.0	402	10	2553	1966	387	95	31	16	11	10	1	1	1	1	1	0	0	0	
09:14:00	60	4	00	5.2	407	11	2534	1380	425	91	37	19	15	6	1	3	0	2	3	1	0	0	
09:15:00	60	4	00	5.2	410	11	2504	1942	372	106	40	19	10	4	1	1	2	1	1	2	2	1	
09:16:00	60	4	00	5.0	410	11	2532	2002	439	103	44	13	10	11	3	1	1	0	1	0	0	0	
09:17:00	60	4	00	4.9	401	11	2507	1997	415	98	39	18	17	6	2	2	1	1	1	0	2	0	
09:18:00	60	4	00	5.0	416	11	2074	2043	427	107	41	17	15	4	3	4	3	2	1	1	0	0	
09:19:00	60	4	00	4.9	410	11	2504	1967	400	95	43	25	11	7	1	0	2	1	1	1	0	1	
09:20:00	60	4	00	4.5	414	11	2343	1809	358	103	32	17	14	1	4	4	1	1	1	0	1	0	
09:21:00	60	4	00	4.9	402	11	2251	1776	374	119	41	17	9	0	1	2	0	3	3	1	0	0	
09:22:00	60	4	00	4.9	424	11	2205	1704	344	99	23	20	13	2	2	1	1	0	0	0	0	1	
09:23:00	60	4	00	4.9	420	11	2275	1760	380	102	32	21	3	1	2	0	3	0	0	0	0	0	
09:24:00	60	4	00	5.0	330	9	2126	1575	354	105	43	13	17	4	2	2	0	2	1	1	0	0	
09:25:00	60	4	00	5.0	410	11	2072	1607	351	72	30	17	7	2	0	1	1	1	0	0	0	1	
09:26:00	60	4	00	5.0	300	8	2275	1731	378	95	33	25	12	4	1	0	3	1	0	1	0	0	
09:27:00	60	4	00	5.0	270	8	2167	1681	368	100	33	16	14	2	2	1	2	0	1	1	0	0	
09:28:00	60	4	00	5.3	405	11	2123	1633	347	93	54	14	12	4	0	0	0	1	2	1	0	0	
09:29:00	60	4	00	5.3	405	11	1849	1405	277	91	30	25	15	3	1	0	1	0	1	1	0	0	
09:30:00	60	4	00	5.2	416	11	1381	1408	305	92	29	15	9	1	0	1	2	1	0	0	0	1	
09:31:00	60	4	00	5.5	420	11	1723	1270	300	92	29	12	9	0	4	1	2	1	1	2	0	0	
09:32:00	60	4	00	5.2	423	11	1503	1370	287	94	31	18	11	3	4	2	2	1	0	0	0	0	
09:33:00	60	4	00	5.3	416	11	1508	1248	264	82	32	20	12	3	2	1	0	3	0	0	0	0	
09:34:00	60	4	00	5.2	410	11	1308	1353	236	84	24	30	13	3	2	0	1	1	1	0	0	0	
09:35:00	60	4	00	5.0	374	9	1039	1200	294	86	29	7	11	3	4	1	0	1	0	1	1	1	
09:36:00	60	4	00	5.5	412	11	1551	1125	236	83	24	3	7	2	0	1	1	0	0	0	1	1	
09:37:00	60	4	00	5.5	412	11	1010	1199	264	81	37	11	11	2	0	2	1	2	0	0	0	0	
09:38:00	60	4	00	5.3	412	11	1027	1107	249	91	45	16	9	6	2	0	0	1	0	1	0	0	
09:39:00	60	4	00	5.2	412	11	1515	1116	241	91	32	20	4	4	0	0	1	1	2	0	0	0	
09:40:00	60	4	00	5.2	414	11	1593	1136	284	92	30	13	9	3	2	0	0	0	0	0	0	0	
09:41:00	60	4	00	5.5	419	11	1400	1105	228	73	29	14	6	1	1	0	1	2	1	0	0	0	
09:42:00	60	4	00	5.7	419	11	1371	983	252	73	29	10	10	3	4	0	0	0	0	0	0	1	
09:43:00	60	4	00	5.5	422	10	1474	1071	270	79	31	13	7	0	2	1	0	0	0	0	0	0	
09:44:00	60	4	00	5.7	422	10	1405	1020	239	76	29	13	11	4	0	0	1	1	0	1	0	1	
09:45:00	60	4	00	5.2	441	10	1441	1007	221	85	37	20	2	1	0	2	1	1	2	0	0	0	
09:46:00	60	4	00	5.0	442	10	1553	1137	261	92	32	13	12	3	0	1	0	0	2	0	1	0	
09:47:00	60	4	00	5.6	437	10	1418	1028	239	79	30	15	12	4	4	2	0	3	1	1	0	0	
09:48:00	60	4	00	5.3	393	4	1380	937	240	74	34	19	10	5	0	0	1	1	0	1	0	0	
09:49:00	60	4	00	5.3	428	11	1502	1104	274	94	41	9	7	4	0	0	0	0	0	0	0	0	
09:50:00	60	4	00	5.5	417	9	1307	943	222	34	30	10	7	1	0	0	1	2	0	1	0	0	
09:51:00	60	4	00	5.7	371	4	1063	725	208	72	27	16	11	2	0	0	1	0	0	1	0	0	
09:52:00	60	4	00	5.6	410	9	1118	813	182	58	25	12	9	2	2	3	1	0	0	0	0	0	
09:53:00	60	4	00	5.0	420	12	1051	743	193	51	31	14	6	3	1	1	0	0	0	1	0	0	
09:54:00	60	4	00	5.3	430	11	1160	846	198	59	30	13	11	0	0	1	0	1	0	2	0	0	
09:55:00	60	4	00	5.7	434	10	1039	770	196	59	33	12	9	1	1	0	0	2	0	0	1	0	
09:56:00	60	4	00	6.7	438	10	945	641	174	74	32	12	7	2	0	2	0	0	0	0	0	0	
09:57:00	60	4	00	6.4	442	10	932	681	163	74	34	16	7	2	3	1	0	0	0	0	0	0	
09:58:00	60	4	00	6.4	447	11	920	651	173	43	29	10	5	0	2	0	0	0	0	0	1	0	
09:59:00	60	4	00	6.1	449	10	1090	750	198	68	35	9	12	2	3	0	1	0	0	1	0	0	
10:00:00	60	4	00	6.4	455	10	1186	842	210	64	27	11	6	2	0	0	1	2	0	0	0	0	
10:01:00	60	4	00	6.5	458	10	979	683	175	73	21	11	10	3	2	0	0	1	0	0	0	0	
10:02:00	60	4	00	6.4	460	10	1035	737	177	69	22	15	5	2	1	0	1	0	1	1	0	1	

DATE -- 03/01/76

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
10:03:00	60	4	95	6.4	465	10	342	550	181	59	21	7	11	1	1	0	0	1	0	0	0	0	
10:04:00	60	4	95	5.9	465	10	1100	753	218	80	24	10	9	2	2	1	0	0	1	0	0	1	
10:05:00	60	4	95	5.2	468	10	1152	821	206	74	31	10	9	1	1	0	0	0	0	0	0	0	
10:06:00	60	4	95	5.9	469	10	1177	835	226	56	32	12	8	2	0	2	0	1	1	0	0	0	
10:07:00	60	4	95	5.8	473	10	1140	834	185	59	22	13	10	0	1	1	1	3	2	0	0	0	
10:08:00	60	4	95	6.1	475	10	1109	821	190	52	20	12	4	2	0	1	1	1	2	0	0	0	
10:09:00	60	4	95	6.2	476	10	1074	782	177	51	25	17	7	1	1	1	1	0	2	0	0	0	
10:10:00	60	4	95	5.6	479	10	1104	800	205	72	22	18	11	3	0	0	2	1	0	0	0	0	
10:11:00	60	4	95	6.2	482	10	809	734	170	49	25	9	7	0	2	0	2	0	2	0	1	0	
10:12:00	60	4	95	6.1	484	10	1048	736	193	59	30	10	4	3	1	0	0	1	2	1	0	0	
10:13:00	60	4	95	5.9	486	10	1234	923	190	66	29	11	7	0	1	1	2	0	0	0	1	0	
10:14:00	60	4	95	5.9	488	10	1038	781	188	54	30	16	11	2	0	1	0	1	1	1	0	1	
10:15:00	60	4	95	5.9	489	10	1089	798	192	63	26	13	2	2	0	1	0	1	0	0	0	0	
10:16:00	60	4	95	5.7	489	10	1105	790	193	80	25	14	2	1	0	0	2	1	1	0	0	0	
10:17:00	60	4	95	5.6	492	10	1020	595	202	82	35	14	9	2	2	1	0	0	0	0	0	0	
10:18:00	60	4	95	5.5	494	10	1004	749	196	65	22	15	7	4	1	0	0	0	1	0	0	0	
10:19:00	60	4	95	5.7	495	10	834	700	156	68	25	15	9	0	2	1	1	1	0	0	0	0	
10:20:00	60	4	95	6.1	498	10	953	045	174	73	32	18	7	1	1	2	0	1	0	0	0	0	
10:21:00	60	4	95	6.4	500	10	924	651	157	57	34	15	4	1	2	2	1	0	0	0	0	0	
10:22:00	60	4	95	6.1	501	9	925	659	182	57	18	18	7	2	0	0	0	1	0	0	0	0	
10:23:00	60	4	95	6.1	503	9	372	597	193	63	24	13	6	1	0	2	0	0	0	1	0	1	
10:24:00	60	4	95	6.2	503	9	921	635	176	68	20	9	6	1	2	1	0	1	1	0	0	1	
10:25:00	60	4	95	6.1	505	10	916	649	151	56	30	18	0	4	0	0	1	0	1	0	0	0	
10:26:00	60	4	95	5.6	507	10	801	635	147	57	34	7	8	4	0	0	0	0	0	0	0	0	
10:27:00	60	4	95	5.5	509	10	922	623	179	52	28	13	7	2	1	0	0	1	0	0	0	0	
10:28:00	60	4	95	5.7	509	10	935	610	206	63	32	14	8	0	0	0	1	0	0	0	0	1	
10:29:00	60	4	95	5.5	511	10	837	629	150	59	33	9	3	2	1	1	3	0	1	1	0	0	
10:30:00	60	4	95	5.7	512	9	860	587	162	59	21	17	9	2	1	0	1	1	0	0	0	0	
10:31:00	60	4	95	5.7	513	10	881	526	154	34	24	7	6	4	2	1	0	0	1	1	0	0	
10:32:00	60	4	95	5.7	513	9	1015	696	183	79	33	10	6	2	0	1	1	2	1	1	0	0	
10:33:00	60	4	95	5.1	515	9	342	573	162	53	24	7	4	1	0	0	0	1	0	1	0	0	
16:32:40	30	4	95	5.8	279	4	900	598	137	71	47	19	15	2	0	0	0	4	4	0	2	0	33
16:33:10	30	4	95	5.7	284	4	344	511	203	52	33	17	6	2	2	0	2	0	0	0	0	0	
16:33:40	30	4	95	5.7	285	4	876	524	186	92	45	19	8	2	0	0	0	2	0	0	0	0	
16:34:10	30	4	95	5.7	283	4	855	534	158	92	30	24	11	11	2	0	0	2	2	0	0	0	
16:34:40	30	4	95	5.9	279	4	1019	679	188	71	41	19	11	2	4	4	0	0	0	0	0	0	
16:35:10	30	4	95	5.7	279	4	919	595	156	32	49	25	21	2	6	0	0	0	0	0	0	0	
16:35:40	30	4	95	5.7	279	4	923	577	182	75	49	24	15	6	4	4	2	0	2	2	0	0	
16:36:10	30	4	95	5.7	281	4	959	553	216	94	38	15	21	5	2	2	0	2	2	4	0	0	
16:36:40	30	4	95	5.9	282	4	893	534	197	64	38	30	17	2	4	0	0	2	4	0	0	0	
16:37:10	30	4	95	5.9	281	4	902	551	163	38	26	19	19	11	0	2	4	0	2	0	0	0	
16:37:40	30	4	95	5.9	280	4	840	528	165	71	38	13	17	0	4	2	0	2	0	0	0	0	
16:38:10	30	4	95	5.9	278	4	842	520	156	90	30	19	11	4	0	4	0	0	2	0	0	0	
16:38:40	30	4	95	5.7	277	4	917	575	179	35	41	25	0	0	2	0	4	2	0	2	0	0	
16:39:10	30	4	95	5.7	277	3	951	605	190	71	38	19	11	4	2	0	4	2	0	0	0	4	
16:39:40	30	4	95	5.9	275	3	1058	670	224	81	41	15	13	0	4	0	0	0	0	0	0	0	
16:40:10	30	4	95	5.9	273	3	1096	675	237	105	41	15	13	4	2	4	0	0	0	0	0	0	
16:40:40	30	4	95	5.6	271	3	1034	741	222	90	17	13	6	0	0	2	0	2	0	0	0	0	
16:41:10	30	4	95	5.6	268	3	1231	801	207	79	32	26	13	4	6	2	0	0	0	0	0	0	
16:41:40	30	4	95	5.7	268	3	1171	771	235	92	36	11	17	0	4	0	0	0	0	2	2	0	

DATE -- 03/01/76

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	UP	PARTICLES PER CC (X 10^{1}) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
16:42:10	30	4	00	5.7	265	3	1145	703	177	88	40	24	15	15	0	0	0	4	2	0	0	2	
16:42:40	30	4	00	5.5	262	3	1171	732	201	73	24	13	4	0	0	2	0	2	0	0	4	0	
16:43:10	30	4	00	5.5	262	3	1248	853	207	38	58	20	4	4	0	0	0	0	0	0	0	0	
16:43:40	30	4	00	5.3	261	3	1171	783	256	30	35	19	0	2	2	0	0	0	0	0	2	0	
16:44:10	30	4	00	5.2	259	3	1201	818	190	105	30	24	0	11	0	0	0	0	2	0	0	0	
16:44:40	30	4	00	5.3	256	3	1020	733	175	94	38	24	13	2	2	4	0	2	2	0	0	0	
16:45:10	30	4	00	5.3	255	3	987	600	179	100	45	28	13	0	9	0	0	0	2	0	0	0	
16:57:50	100	4	00	5.0	230	3	1033	647	133	80	46	25	12	5	0	1	3	3	1	1	1	0	
16:59:30	100	4	00	5.0	225	3	999	607	190	86	47	22	12	1	3	0	1	1	1	1	1	0	
17:01:10	100	4	00	4.9	219	3	1209	840	204	81	40	26	12	6	2	1	3	3	1	1	0	0	
17:02:50	100	4	00	5.0	216	3	1047	640	204	99	49	29	14	3	3	2	2	1	1	1	1	1	
17:04:30	100	4	00	5.0	211	3	1031	700	134	95	50	23	14	4	3	2	1	1	1	1	1	3	
17:06:10	100	4	00	5.0	205	3	1046	642	207	90	41	27	11	7	2	2	1	3	1	1	1	0	
17:07:50	100	4	00	4.9	201	3	986	603	187	102	42	31	13	3	3	1	1	1	1	0	0	0	
17:09:30	100	4	00	4.9	198	3	1053	653	204	80	47	22	17	3	1	1	0	1	1	1	1	0	
17:11:10	100	4	00	4.6	194	3	1109	730	244	101	34	29	9	6	3	3	1	1	1	2	0	1	
17:12:50	100	4	00	4.7	188	3	1433	980	274	99	43	19	11	7	1	2	0	0	1	1	1	0	
17:14:30	100	4	00	4.6	184	3	1438	1013	244	103	35	13	12	6	1	1	2	1	0	1	1	1	
17:16:10	100	4	00	4.6	179	3	1403	951	238	121	51	20	12	4	1	0	3	2	1	1	0	0	
17:17:50	100	4	00	4.5	174	3	1410	974	279	84	30	17	10	4	1	3	1	0	1	0	0	0	
17:19:30	100	4	00	4.5	169	3	1341	900	257	103	32	17	18	2	1	1	1	0	0	1	1	0	
17:21:10	100	4	00	4.3	164	3	1356	908	209	101	40	29	11	3	1	1	1	2	1	1	1	0	
17:22:50	100	4	00	4.3	159	3	1225	800	220	96	46	22	13	6	2	1	1	1	1	1	1	0	
17:24:30	100	4	00	4.1	154	3	1107	796	225	99	38	21	12	6	1	1	1	2	2	3	0	1	
17:26:10	100	4	00	4.1	148	3	1191	781	247	97	41	23	10	8	2	0	0	1	0	1	1	0	
17:27:50	100	4	00	4.1	142	3	1194	738	234	88	40	15	13	9	1	1	0	1	1	3	0	0	
17:29:30	100	4	00	3.9	136	3	1237	794	258	96	40	23	14	0	0	0	1	1	1	1	1	1	
17:31:10	100	4	00	3.9	129	3	1241	758	272	115	47	22	15	4	2	3	1	1	1	0	0	0	
17:32:50	100	4	00	3.8	122	3	1183	740	254	88	40	22	14	8	1	1	1	2	0	0	1	0	
17:34:30	100	4	00	3.8	115	3	1164	733	251	88	43	20	8	6	1	2	1	1	3	0	1	1	
17:36:10	100	4	00	3.7	108	3	1193	771	247	90	42	20	12	5	0	3	0	1	1	1	1	0	
17:37:50	100	4	00	3.5	101	3	1190	785	233	94	46	19	13	6	1	1	1	1	1	3	0	1	
17:39:30	100	4	00	3.5	94	3	1181	747	234	96	51	22	10	7	1	1	1	1	3	1	2	0	
17:41:10	100	4	00	3.4	87	3	1084	678	227	81	44	26	13	9	3	0	1	1	1	1	1	1	
17:42:50	100	4	00	3.2	80	3	1050	811	221	112	45	22	15	8	2	4	3	4	2	2	1	0	
17:44:30	100	4	00	3.2	74	3	1036	647	220	90	40	25	13	5	1	1	3	3	1	1	0	0	
17:46:10	100	4	00	3.0	67	3	1083	670	219	81	50	24	16	0	3	1	1	0	0	1	0	1	
17:47:50	100	4	00	3.0	61	3	1094	672	213	96	52	27	17	8	0	1	2	1	2	1	1	1	
17:49:30	100	4	00	3.2	61	3	1219	700	283	100	33	30	10	5	0	1	1	1	3	0	2	0	34
17:51:10	100	4	00	3.0	61	2	1241	783	256	93	47	25	15	5	4	1	1	1	2	0	1	2	
17:52:50	100	4	00	3.0	42	2	1129	712	223	100	48	19	16	4	1	1	2	2	0	1	0	0	
17:54:30	100	4	00	3.0	38	2	1128	722	221	87	45	24	13	10	1	1	0	1	1	1	0	1	
17:56:10	100	4	00	3.0	33	2	1160	720	244	94	47	23	6	6	2	3	2	1	1	1	1	0	
17:57:50	100	4	00	2.9	29	2	1314	859	249	100	48	28	14	10	0	1	1	1	1	1	2	0	
17:59:30	100	4	00	2.8	24	2	1417	903	315	101	42	30	16	6	2	1	0	0	2	1	0	0	
18:01:10	100	4	00	2.6	20	2	1604	1060	319	134	50	10	10	0	2	1	0	2	1	2	1	0	
18:02:50	100	4	00	2.4	17	2	1728	1130	340	115	47	18	13	10	0	2	0	1	1	0	1	1	
18:04:30	100	4	00	2.4	14	2	1709	1150	353	99	47	23	12	10	1	1	0	1	1	1	0	0	
18:05:10	100	4	00	2.3	12	2	1738	1137	339	117	47	24	11	9	1	1	0	2	0	1	0	0	
18:07:50	100	4	00	2.4	10	2	1919	1100	297	117	51	22	13	8	0	1	1	1	0	1	1	0	

DATE -- 03/01/76

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	PIB TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
18:09:30	100	4	00	2.3	3	2	1487	970	283	109	47	19	13	8	2	1	1	1	1	1	1	0	
18:11:10	100	4	00	2.3	0	2	1302	930	272	103	42	21	10	9	2	1	1	1	1	0	0	1	
18:12:50	100	4	00	2.3	0	2	1408	913	278	115	51	22	15	7	1	1	2	1	1	0	0	0	
18:14:30	100	4	00	2.3	4	2	1417	907	285	113	53	24	15	8	3	1	1	1	1	1	0	0	
18:16:10	100	4	00	2.3	4	2	1435	938	294	101	57	22	13	5	1	2	0	1	1	0	0	0	
18:17:50	100	4	00	2.1	3	2	1437	940	301	104	44	15	15	10	1	1	1	0	1	1	1	1	
18:19:30	100	4	00	2.1	3	2	1208	847	257	98	57	19	15	8	1	1	1	1	0	3	3	1	
18:21:10	100	4	00	1.8	3	2	1215	737	258	112	48	24	13	13	1	1	1	1	3	1	3	1	
18:22:50	100	4	00	1.5	3	2	1130	718	237	104	65	24	17	12	5	3	1	0	1	1	1	1	
18:24:30	100	4	00	1.4	3	2	1103	676	232	98	62	21	14	13	3	1	1	0	1	1	1	1	
18:26:10	100	4	00	1.4	2	2	1124	692	217	97	51	29	15	11	1	1	3	3	1	1	2	0	
18:27:50	100	4	00	1.4	2	2	1087	651	229	99	46	27	15	11	3	1	1	0	0	1	1	0	
18:29:30	100	4	00	1.4	2	2	1054	607	235	90	56	33	15	10	3	1	1	1	1	0	1	0	
18:31:10	100	4	00	1.4	2	2	1044	633	208	88	40	31	17	15	3	2	0	1	3	1	1	1	
18:32:50	100	4	00	1.5	2	2	998	580	204	91	46	30	16	10	1	0	1	1	1	2	1	0	
18:34:30	100	4	00	1.4	2	2	1018	608	190	97	60	28	15	12	3	1	2	1	1	1	1	1	
18:36:10	100	4	00	1.4	2	2	1020	590	204	104	61	25	14	11	4	1	2	1	1	1	1	0	
18:37:50	100	4	00	1.2	2	2	950	543	201	89	52	29	16	15	2	1	0	1	0	1	0	1	
18:39:30	100	4	00	1.3	2	2	939	540	194	90	56	25	16	10	3	2	1	0	1	0	1	1	
18:41:10	100	4	00	1.4	2	2	902	497	192	74	58	28	21	15	2	0	0	1	1	1	0	1	
18:42:50	100	4	00	1.3	2	2	934	494	190	105	40	29	18	10	1	2	1	1	1	2	1	0	
18:44:30	100	4	00	1.2	2	2	817	515	204	83	54	31	13	12	3	1	0	0	1	0	1	0	
18:46:10	100	4	00	1.1	2	2	829	522	195	105	47	34	19	10	2	1	1	0	2	1	0	0	
18:47:50	100	4	00	1.0	2	2	1008	596	203	105	46	23	16	9	2	3	1	1	1	1	0	1	
18:49:30	100	4	00	1.0	2	2	1031	611	210	97	42	24	21	12	5	3	1	1	0	1	1	0	
18:51:10	100	4	00	.9	2	2	1027	605	222	102	47	23	18	12	3	0	1	1	1	0	1	0	
18:52:50	100	4	00	.9	2	2	949	586	184	72	44	27	15	11	5	1	1	0	1	2	0	1	
18:54:30	100	4	00	1.0	2	2	919	542	186	90	40	30	12	15	3	0	0	0	1	1	1	0	
18:56:10	100	4	00	.9	2	2	931	583	201	92	53	30	16	15	3	1	1	0	3	1	2	0	
18:57:50	100	4	00	1.0	2	2	931	513	199	99	52	29	16	12	5	1	1	2	1	0	1	0	
18:59:30	100	4	00	1.0	2	2	947	553	209	92	42	28	18	12	1	1	0	1	1	1	1	1	
19:01:10	100	4	00	1.0	2	2	901	530	187	90	50	28	22	15	4	1	0	1	1	2	1	0	
19:02:50	100	4	00	1.1	2	2	1001	563	212	96	52	25	21	17	3	0	0	1	2	1	1	0	
19:04:30	100	4	00	.9	2	2	958	542	210	102	51	24	15	11	3	1	2	1	2	1	1	0	
19:06:10	100	4	00	1.0	2	2	932	533	199	99	40	28	20	13	3	1	0	2	0	0	1	0	
19:07:50	100	4	00	.8	2	2	1018	603	201	92	50	25	13	15	5	2	2	1	0	1	0	0	
19:09:30	100	4	00	.8	2	2	1079	629	224	101	56	23	19	12	3	1	1	0	1	2	2	0	
19:11:10	100	4	00	.8	2	2	1073	626	214	89	59	36	15	13	3	1	1	1	0	2	2	1	
19:12:50	100	4	00	.9	2	2	1049	593	228	106	54	24	17	12	4	1	0	1	1	1	1	1	
19:14:30	100	4	00	.8	2	2	1109	647	240	108	47	23	17	17	3	1	1	2	0	1	1	1	
19:16:10	100	4	00	1.0	2	2	977	540	213	99	43	33	17	8	4	1	0	1	2	1	1	0	
19:17:50	100	4	00	1.0	2	2	940	540	195	102	48	22	17	12	4	1	0	1	1	1	0	0	
19:19:30	100	4	00	1.0	2	2	981	563	217	82	49	28	21	12	2	1	2	1	0	1	1	0	
19:21:10	100	4	00	1.0	2	2	1002	578	203	93	60	24	17	15	4	3	2	1	0	1	1	0	
19:22:50	100	4	00	.8	2	2	1072	601	233	116	50	32	18	12	3	1	0	1	0	2	1	1	
19:24:30	100	4	00	.7	2	2	1038	634	221	103	48	30	19	13	2	2	2	0	1	2	1	0	
19:26:10	100	4	00	.7	2	2	1085	654	227	96	47	22	14	12	1	3	1	1	0	0	1	0	
19:27:50	100	4	00	.7	2	2	1114	623	263	104	57	19	17	15	4	1	1	1	0	1	1	0	
19:29:30	100	4	00	.7	2	2	1074	629	226	98	57	29	21	10	4	2	1	3	1	0	1	1	
19:31:10	100	4	00	.6	2	2	1110	640	244	104	56	29	17	12	2	3	1	1	2	0	1	0	

DATE -- 03/01/78

LOCAL TIME	SAMPLE TIME (SEC)	PROBE RANGE	ALT. (M)	AIR TEMP. DEG C	RADIATION FLUX DOWN	RADIATION FLUX UP	PARTICLES PER CC (X 10) TOTAL	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH10	CH11	CH12	CH13	CH14	CH15	NOTE
19:30:50	100	4	00	.6	2	2	1195	710	257	109	54	31	19	9	2	1	1	1	0	0	1	1	
19:34:30	100	4	00	.4	2	2	1226	745	267	101	53	21	24	8	5	1	0	1	2	0	0	0	
19:36:10	100	4	00	.2	2	2	1379	810	301	133	69	29	13	12	2	1	0	2	0	1	1	0	
19:37:50	100	4	00	.3	2	2	1470	927	288	130	58	30	13	10	4	3	1	2	3	1	1	0	
19:39:30	100	4	00	.3	2	2	1506	908	328	134	53	30	15	8	3	1	1	2	1	2	1	0	
19:41:10	100	4	00	.0	2	2	1556	984	308	128	48	31	15	17	1	3	1	1	1	2	3	3	
19:42:50	100	4	00	-.5	2	2	1472	914	308	100	60	28	19	12	3	3	1	0	1	2	1	1	
19:44:30	100	4	00	-.4	2	2	1419	882	274	118	52	35	22	10	3	3	1	2	2	0	3	2	
19:46:10	100	4	00	-.3	2	2	1309	870	290	112	48	31	17	13	3	1	1	1	0	3	2	1	
19:47:50	100	4	00	-.4	2	2	1374	862	272	114	50	30	19	13	6	1	1	1	0	1	1	3	
19:49:30	100	4	00	-.4	2	2	1320	850	290	101	67	33	17	12	8	1	0	1	0	4	1	1	
19:51:10	100	4	00	-.5	2	2	1403	909	271	111	51	28	12	20	3	1	1	1	1	0	1	0	
19:52:50	100	4	00	.1	2	2	1419	900	295	111	53	23	14	9	3	2	1	0	1	1	0	0	
19:54:30	100	4	00	-.5	2	2	1431	935	298	120	55	38	15	11	4	2	0	1	1	1	3	1	
19:56:10	100	4	00	-.6	2	2	1542	1010	301	110	50	24	13	12	6	1	1	0	0	2	1	1	
19:57:50	100	4	00	-.6	2	2	1403	915	270	120	65	37	14	16	6	1	1	3	1	0	3	1	
19:59:30	100	4	00	-.6	2	2	1428	857	306	121	62	41	10	15	8	1	1	0	1	3	1	0	
20:01:10	100	4	00	-.7	2	2	1434	950	298	115	57	37	17	11	4	1	1	1	1	0	0	1	1
20:02:50	100	4	00	-.7	2	2	1556	1001	314	117	53	32	12	11	4	1	1	3	1	0	1	1	
20:04:30	100	4	00	-.7	2	2	1600	1011	328	128	64	29	18	13	7	1	0	1	1	0	1	1	
20:06:10	100	4	00	-.8	2	2	1627	1057	332	117	60	26	15	10	5	2	1	1	0	1	0	1	
20:07:50	100	4	00	-.7	2	2	1513	984	295	124	40	24	13	10	6	1	2	1	1	0	1	0	
20:09:30	100	4	00	-.6	2	2	1487	928	290	124	69	32	19	10	6	1	1	3	0	1	2	0	

NOTE 1: OVERCAST, WIND SHEAR AT 150 METERS, 0314 TO 0922 HRS

NOTE 2: PREVIOUS SAMPLE OVERFLOWED

NOTE 3: FROST ON BALLOON TETHER WHEN BROUGHT DOWN

NOTE 4: ODD CHANNELS HAVE HIGHER COUNTS???

NOTE 5: BALLOON ALMOST OBSCURED AT 150 METERS

NOTE 6: THIS NOTE APPLIES TO THE 2/21/78 DATA TAKEN 1030
THROUGH 1139 HOURS DURING 4 ASCENT/DESCENT CYCLES.
ALL 4 RANGES COVERED. SAMPLES WERE 20 SECONDS IN DURATION.

NOTE 7: STRONG WINDS ABOVE 150 METERS. AT 180 METERS THERE WAS
SIGNIFICANT GEOMETRY ERROR IN ALTITUDE.

NOTE 8: BIMODAL SIZE DISTRIBUTION??

NOTE 9: VISIBILITY .5-.75KM

NOTE 10: BALLOON NOT VISIBLE

NOTE 11: BALLOON BARELY VISIBLE

NOTE 12: VISIBILITY ESTIMATED TO BE 2 KM

NOTE 13: EQUIPMENT FAILURE

NOTE 14: BALLOON JUST ENTERED CLOUDS

NOTE 15: OVERLOAD:CHECK TOTAL PARTICLE COUNT

NOTE 16: SUN JUST VISIBLE THROUGH THE OVERCAST

NOTE 17: BALLOON CLEARLY VISIBLE AT 1800 CLEARING RAPIDLY

NOTE 18: SKY VERY THINLY OVERCAST-ALMOST BLUE , Flux measurements analog not working 7:35 thru 8:08 Hours

NOTE 19: BLUE SKY ABOVE INSTRUMENT

NOTE 20: SUNSHINE THROUGH VERY THIN HAZE

NOTE 21: HEAVY FOG-VISIBILITY ESTIMATED LESS THAN .5 KM

NOTE 22: LIGHT DRIZZLE STARTED FALLING

NOTE 23: THIS NOTE APPLIES TO THE 2/25/78 DATA TAKEN 1214
THROUGH 1341 HOURS. FIVE ASCENT-DESCENT RUNS WERE MADE ON RANGES
1,2,3,1,2 RESPECTIVELY. THIRTY SECOND SAMPLES WERE TAKEN ON ASCENT
AND GENERALLY 20 SECOND SAMPLES ON DESCENT. THE FOG WAS DENSE AT
GROUND LEVEL IN EARLY AFTERNOON, VISIBILITY DROPPING TO 700 METERS
AT 1230 HOURS.

NOTE 24: VISIBILITY ESTIMATED 300 METERS

NOTE 25: THIS COMMENT APPLIES TO DATA TAKEN 2/25/76 1545 HRS THROUGH 1556 HOURS. THE CONDITIONS WERE HEAVY FOG, WITH ESTIMATED VISIBILITY CHANGING DURING THE MEASUREMENT PERIOD FROM 100 METERS TO 500 METERS. AT 1602 HRS THE QUANTITY OF ICE COLLECTED ON THE BALLOON WAS SUFFICIENT TO PROHIBIT FURTHER ASCENT.

NOTE 26: BALLOON NO LONGER VISIBLE

NOTE 27: HEAVY FOG

NOTE 28: TETHER LINE DISPLACED 30 DEG FROM VERTICAL

NOTE 29: NO REASON FOR THE SUDDEN DROP IN CONCENTRATION IN CHANNELS 1 AND 2 IS APPARENT FROM THE RAW DATA

NOTE 30: TETHER LINE DISPLACED 10 DEG FROM VERTICAL

NOTE 31: TETHER LINE DISPLACED 20 DEG FROM VERTICAL

NOTE 32: THIS NOTE APPLIES TO 3/1/76 DATA TAKEN 731 THROUGH 1033 HOURS. CONDITIONS WERE TOO WINDY TO FLY THE BALLOON SO THIS DATA IS FOR MEASUREMENTS TAKEN WITH THE INSTRUMENT PACKAGE SITTING ON A TRAILER TWO METERS FROM GROUND LEVEL. THE UPWARD RADIATION FLUX MEASUREMENTS ARE THEREFORE MEANINGLESS.

NOTE 33: INSTRUMENT SITTING ON TOP OF TRAILER-CLEAR BLUE SKY

NOTE 34: SUNSET

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