#499

IMP-J

5 MINUTE AVERAGED SOLAR PLASMA DATA

73-078A-02D

PIONEER VENUS 1

OGBD HOURLY AVERAGES

78-051A-05B

This data set has been restored. There were originally two 9-track, 1600 BPI tapes written in ASCII. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tapes were created on a 11/780 computer and the restored tapes were created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D numbers are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR006131	DS006131	D063222	1 - 18	05/22/78 - 12/30/87
		D079333	19 - 21	01/01/88 - 12/31/88

REQ. AGENT	RAND NO.	ACQ. AGENT
GWM DHG		HKH

PIONEER VENUS 1

OGBD HOURLY AVERAGES

78-051A-05B

This data set consists of 2 VAX-Standard-Labelled tapes. The tapes are 9-track, 1600 bpi, ASCII. They were created on a VAX 11/780 computer. The D and C numbers and time spans follow:

D#	C#	FILES	TIME SPAN
D-63222	C-24039	18	05/22/78 - 12/30/87
D-79333	C-27115	3	01/01/88 - 12/31/88

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

DATE: March 8, 1984
IN REPLY REFER TO: ESS-9:84-137
MAIL STOP: D436
TELEPHONE: (505) 667-4944

World Data Center A
NASA/GSFC
Code 601
ATTN: Don Sawyer
Greenbelt, MD 20771

Dear Mr. Sawyer:

Enclosed is a magnetic tape containing hourly-averaged data acquired from the Pioneer Venus Orbiter Gamma-Burst Detector (OGBD). A description of the data format is given on the CDB tape documentation form. Also included is a full listing of the data recorded upon the tape, which is annotated to describe the data. If there are any questions regarding these data, please contact me directly. My telephone number is (505) 667-4944 (FTS 843-4944).

Sincerely,

Ray Wm. Klebesadel

Ray Wm. Klebesadel

RWK/saf

Enc. a/s

Cy: CRMO (2), MS A150
ESS-9 File

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An Equal Opportunity Employer/Operated by University of California

GUARDED (PHOTON) COUNT RATES — UNGUARDED

DATE	U.T. (Sec)	100-200 keV	Σ SPECT.	100-200 keV	200-500 keV	.5-1 MeV	1-2 MeV	TOTAL >100 keV	TRIGGER REF
78/ 5/22	4443.530	45.8	48.2	30.8	13.3	2.8	1.3	226.2	46.3
78/ 5/22	19227.596	46.7	49.1	31.9	13.0	2.9	1.3	228.4	46.5
78/ 5/22	79696.398	64.1	68.5	49.6	13.6	3.4	1.9	255.2	64.0
78/ 5/22	79696.406	64.1	68.5	49.6	13.6	3.4	1.9	255.2	64.0
78/ 5/22	83920.431	64.1	68.6	49.8	13.6	3.4	1.9	255.1	63.9
78/ 5/23	1360.451	64.1	68.6	49.7	13.5	3.5	1.9	254.9	63.6
78/ 5/23	5584.473	64.1	68.6	49.6	13.7	3.4	1.9	255.1	63.6
78/ 5/23	9808.495	64.4	68.9	50.0	13.6	3.4	1.9	255.8	64.1
78/ 5/23	13648.505	64.3	68.8	49.9	13.6	3.4	1.9	255.9	65.4
78/ 5/23	17872.536	64.4	68.8	49.9	13.7	3.4	1.9	256.3	64.3
78/ 5/23	22992.560	64.7	69.2	50.2	13.6	3.4	1.9	257.5	64.8
78/ 5/23	26896.570	64.9	69.5	50.2	13.8	3.5	2.0	257.6	65.8
78/ 5/23	31120.591	64.6	69.1	50.1	13.7	3.4	1.9	257.1	64.1
78/ 5/23	35344.622	64.5	69.1	50.1	13.6	3.5	1.9	257.2	64.2
78/ 5/23	39184.631	64.6	69.2	50.2	13.7	3.4	1.9	257.1	65.4
78/ 5/23	43408.663	64.8	69.3	50.1	13.8	3.5	1.9	257.2	66.5
78/ 5/23	47632.674	64.8	69.3	50.3	13.7	3.5	1.9	257.1	64.8
78/ 5/23	51472.693	64.9	69.4	50.2	13.7	3.4	2.0	257.6	64.3
78/ 5/23	55696.718	64.8	69.4	50.3	13.7	3.4	1.9	257.2	65.1
78/ 5/23	64976.765	64.9	69.5	50.3	13.8	3.4	1.9	256.7	65.7
78/ 5/23	69200.786	64.9	69.4	50.3	13.8	3.4	1.9	256.8	64.4
78/ 5/23	73040.805	64.7	69.2	50.3	13.6	3.4	1.9	256.6	63.4
78/ 5/23	77328.827	64.9	69.4	50.3	13.7	3.5	1.9	256.5	65.3
78/ 5/23	81488.847	64.3	68.7	49.7	13.7	3.5	1.9	254.1	65.0
78/ 5/23	85584.862	64.2	68.6	49.5	13.7	3.5	1.9	253.3	64.2
78/ 5/24	3280.893	64.0	68.5	49.5	13.6	3.4	1.9	252.6	64.5
78/ 5/24	7376.914	63.9	68.3	49.4	13.6	3.4	1.9	252.9	63.6
78/ 5/24	11472.935	63.8	68.2	49.3	13.5	3.4	1.9	251.6	64.1
78/ 5/24	15568.955	63.8	68.2	49.4	13.5	3.4	1.9	251.8	63.7
78/ 5/24	19664.967	63.6	68.0	49.1	13.6	3.4	1.9	251.3	63.3
78/ 5/24	23760.989	63.8	68.2	49.2	13.6	3.5	1.9	251.5	63.7
78/ 5/24	27793.019	63.8	68.3	49.3	13.7	3.5	1.9	252.1	63.8
78/ 5/24	31889.039	64.0	68.6	49.7	13.6	3.4	1.9	252.7	63.5
78/ 5/24	35985.060	64.1	68.6	49.6	13.7	3.4	1.9	252.6	64.4
78/ 5/24	40145.071	64.0	68.4	49.3	13.8	3.4	1.9	252.2	63.9
78/ 5/24	44177.092	64.0	68.6	49.7	13.6	3.4	1.9	253.0	64.0
78/ 5/24	48273.116	64.3	68.8	49.8	13.7	3.4	1.9	253.5	64.3
78/ 5/24	52369.137	63.8	68.3	49.5	13.5	3.4	1.9	252.3	63.9
78/ 5/24	56529.158	64.5	69.0	49.9	13.7	3.5	1.9	253.4	64.6
78/ 5/24	60625.182	64.3	68.7	49.6	13.7	3.5	1.9	252.4	64.5
78/ 5/24	64721.203	64.2	68.7	49.7	13.7	3.4	1.9	252.9	64.6
78/ 5/24	68817.226	64.2	68.7	49.7	13.7	3.5	1.9	253.1	64.5
78/ 5/24	72913.246	64.6	69.2	50.0	13.7	3.5	1.9	253.6	64.8
78/ 5/24	77009.267	64.5	69.0	50.0	13.6	3.5	1.9	253.3	64.8
78/ 5/24	80913.287	64.5	69.0	49.9	13.7	3.5	1.9	253.4	64.2
78/ 5/25	1297.318	64.5	69.0	49.8	13.8	3.5	1.9	253.3	64.6
78/ 5/25	5393.338	64.5	68.9	49.9	13.7	3.5	1.9	252.9	64.5
78/ 5/25	9489.358	64.5	68.9	49.9	13.7	3.4	1.9	253.2	64.4
78/ 5/25	13585.380	64.8	69.3	50.1	13.9	3.5	1.9	254.4	65.2
78/ 5/25	17745.401	64.6	69.1	50.1	13.6	3.5	1.9	254.0	64.5
78/ 5/25	21841.415	64.8	69.3	50.2	13.7	3.4	1.9	254.4	64.6
78/ 5/25	27473.448	64.7	69.2	50.1	13.7	3.4	2.0	253.7	64.6
78/ 5/25	31569.470	65.0	69.5	50.3	13.9	3.5	1.9	254.9	65.5
78/ 5/25	35665.491	64.8	69.2	50.0	13.8	3.5	1.9	253.6	64.8
78/ 5/25	39761.512	64.9	69.4	50.2	13.8	3.4	1.9	254.4	64.7
78/ 5/25	43857.533	65.0	69.5	50.2	13.9	3.5	1.9	254.7	65.5
78/ 5/25	47953.553	65.0	69.5	50.3	13.8	3.4	2.0	254.8	64.8
78/ 5/25	52049.578	64.6	69.2	50.1	13.8	3.5	1.9	253.9	64.6
78/ 5/25	56657.596	64.9	69.5	50.3	13.8	3.5	1.9	254.4	64.7
78/ 5/25	60753.616	64.7	69.1	50.1	13.7	3.4	1.9	253.7	64.5
78/ 5/25	76949.692	64.9	69.4	50.3	13.7	3.5	2.0	254.6	65.7
78/ 5/25	80709.719	64.9	69.4	50.1	13.9	3.5	1.9	254.8	60.5
78/ 5/25	85141.735	65.1	69.6	50.3	13.9	3.4	1.9	255.4	65.3
78/ 5/26	5451.772	65.2	69.8	50.5	13.8	3.5	2.0	255.2	64.9

D-79333
1/1/88 - 12/31/88

FILE 1 RECORD 1 2048 BYTES

0099	88/ 1/ 1	63231.859	477.6	200.6	73.1	79.8	30.6	17.1	1413.2	934.4	13-APR-88
0099	88/ 1/ 3	22307.016	455.5	200.8	67.4	83.4	32.2	17.9	1417.2	1253.3	13-APR-88
0099	88/ 1/ 4	21665.761	460.7	207.7	76.2	82.4	31.5	17.5	1411.4	1195.5	13-APR-88
0099	88/ 1/ 8	53816.950	156.0	161.2	116.7	32.3	8.6	3.5	348.0	156.6	18-APR-88
0099	88/ 1/ 8	57656.972	156.3	161.5	116.8	32.4	8.7	3.6	348.3	156.6	18-APR-88
0099	88/ 1/ 8	61496.995	156.5	161.6	117.0	32.3	8.8	3.6	348.6	155.4	18-APR-88
0099	88/ 1/ 9	10125.949	155.7	158.9	113.5	32.8	8.9	3.7	339.7	154.7	18-APR-88
0099	88/ 1/ 9	15117.982	154.1	159.2	114.7	32.4	8.6	3.5	342.2	154.0	18-APR-88
0099	88/ 1/ 9	18958.006	154.1	159.1	114.8	32.1	8.7	3.5	342.5	154.5	18-APR-88
0099	88/ 1/ 9	22798.029	153.8	158.8	114.5	32.2	8.6	3.5	341.8	153.7	18-APR-88
0099	88/ 1/ 9	26638.053	153.4	158.3	114.0	32.2	8.6	3.5	340.7	153.3	18-APR-88
0099	88/ 1/ 9	30478.077	153.4	158.3	114.2	32.1	8.6	3.5	340.7	154.3	18-APR-88
0099	88/ 1/ 9	34318.100	152.8	157.8	113.9	31.8	8.6	3.5	340.1	152.8	18-APR-88
0099	88/ 1/ 9	38158.123	153.4	158.4	114.3	32.1	8.5	3.5	340.6	152.8	18-APR-88
0099	88/ 1/ 9	41998.146	152.5	157.5	113.8	31.6	8.5	3.5	339.4	151.9	18-APR-88
0099	88/ 1/ 9	45838.169	153.2	157.2	113.4	31.6	8.7	3.5	338.4	151.5	18-APR-88
0099	88/ 1/ 9	50350.196	152.0	157.0	113.4	31.7	8.5	3.4	337.0	152.6	18-APR-88
0099	88/ 1/ 9	54950.223	152.0	157.5	113.7	31.6	8.5	3.5	339.4	153.0	18-APR-88
0099	88/ 1/ 9	58790.245	152.8	157.8	113.8	31.9	8.6	3.5	339.5	152.3	18-APR-88
0099	88/ 1/ 9	68441.805	152.9	157.3	113.4	31.9	8.5	3.5	338.9	152.4	18-APR-88

FILE 1 RECORD 174 2048 BYTES

0099	88/12/30	40525.158	146.9	151.8	102.0	34.2	10.7	4.9	323.4	147.4	28-FEB-89
0099	88/12/30	43981.178	147.6	152.3	102.4	34.1	10.8	4.9	324.0	145.5	28-FEB-89
0099	88/12/30	48013.202	146.4	151.0	101.5	33.9	10.8	4.8	321.6	146.1	28-FEB-89
0099	88/12/30	52525.229	145.1	149.7	100.1	34.0	10.7	4.8	317.3	145.7	28-FEB-89
0099	88/12/30	56557.252	145.0	149.4	100.1	33.9	10.6	4.8	316.7	127.1	28-FEB-89
0099	88/12/30	61637.283	206.3	183.7	97.5	52.6	25.7	7.8	624.4	514.6	28-FEB-89
0099	88/12/30	65965.308	325.5	232.1	94.0	64.5	25.3	46.3	1497.9	2121.7	28-FEB-89
0099	88/12/31	21229.554	166.6	247.5	149.3	47.7	35.9	14.6	2011.9	848.0	28-FEB-89
0099	88/12/31	27469.588	111.3	262.3	148.0	65.9	35.0	13.4	2463.8	774.7	28-FEB-89
0099	88/12/31	36677.642	589.0	299.3	136.2	118.4	32.2	12.5	1877.3	496.8	28-FEB-89
0099	88/12/31	42733.677	579.1	280.4	161.9	76.5	30.2	11.8	1667.0	570.8	28-FEB-89
0099	88/12/31	51949.731	491.8	268.1	147.6	63.1	26.8	10.5	1382.5	490.5	28-FEB-89
0099	88/12/31	55685.755	457.3	317.7	135.9	145.8	25.8	10.2	1274.8	455.0	28-FEB-89
0099	88/12/31	59917.778	425.7	283.1	123.8	125.1	24.5	9.7	1174.8	361.6	28-FEB-89
0099	88/12/31	64045.803	390.6	245.4	106.1	106.6	23.2	9.3	1069.0	388.6	28-FEB-89

PIONEER VENUS 1

OGBD 15-MINUTE AVG. DETECTOR CNT. RATE

78-051A-05D

This data set consists of one VAX-Standard-labelled tape. The tape is 9-track, 1600 BPI, ASCII. The tape was produced on the Modcomp.
The D and C numbers and time span follows:

D#	C#	FILES	TIME SPAN
D-82876	C-28025	3	06/11/78 - 03/13/89

Los Alamos
Los Alamos National Laboratory
Los Alamos,New Mexico 87545

memorandum

To: NSSDC Code 933
ATTN: Paul Butterworth
NASA/GSFC
Greenbelt, MD 20771

Date: March 6, 1991

From: Ray Klebesadel, SST-9

Mail Stop/Telephone: D436/7-5127

Symbol: SST 9:91-163

Subject: NSSDC DATA SUBMISSION

This magnetic tape contains updated data from the OGBD aboard the Pioneer Venus Orbiter. The data represent 15 minute averages of detector counting rates. They are written at 1600 bpi, in the same format as those data previously supplied from this instrument.

Enc. Magnetic tape

D-82876 6/11/78 - 3/13/89

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$FEW IA
$ASS IN HT1
$NOP
$NOP
$NOP
$NOP
$NOP **************************** LIST OF LIZ ****************************************
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=1=1 1 1 2

 TAPE NO.   1              FILE NO.   2
 RECORD    1               LENGTH   2 48
0079 78/ 6/11  56112.0   900.0   261.8   69.4   54.0   14.4   3.7   2.00079 78/ 6/11  57012
.0  900.0   26 .6   69.   53.6   14.6   3.7   2.00079 78/ 6/11  57912.0   900.0   261.0
  69.0   53.8   14.3   3.6   2.  079 78/ 6/11  58854.1  900.0   261.6   69.2   53.8   1
4.4   3.8   2.10079 78/ 6/11  59756.1   900.0   259.9   68.9   53.5   14.5   3.7   2.00
079 78/ 6/11  60656.1  900.0   260.3   69.0   53.5   14.6   3.7   2.00079 78/ 6/11  61556.
1  900.0   260.4   68.5   53.5   14.3   3.6   1.90079 78/ 6/11  62457.1   900.0   260.6
  69.3   53.8   14.5   3.6   2.10079 78/ 6/11  63357.1  900.0   261.5   69.4   53.9   14
.6   3.7   2.10079 78/ 6/11  64257.1   900.0   262.0   69.6   54.2   14.6   3.6   2.000
79 78/ 6/11  65157.1  900.0   261.8   69.2   53.7   14.6   3.6   2.00079 78/ 6/11  66057.1
  900.0   261.2   68.7   53.3   14.5   3.7   2.00079 78/ 6/11  66957.1  900.0   261.6
 69.2   53.7   14.5   3.7   2.10079 78/ 6/11  67857.1  900.0   261.4   69.0   53.7   14.
5   3.6   2.10079 78/ 6/11  68757.1   900.0   261.1   69.2   53.9   14.3   3.7   2.1007
9 78/ 6/11  69657.1  900.0   259.7   68.6   53.1   14.6   3.6   2.00079 78/ 6/11  70557.1
 900.0   260.2   68.8   53.2   14.7   3.8   1.90079 78/ 6/11  71457.1   900.0   261.1
68.9   53.4   14.5   3.7   2.10079 78/ 6/11  72357.1  900.0   261.2   68.9   53.7   14.3
   3.8   2.00079 78/ 6/11  73257.1   900.0   261.2   69.0   53.6   14.4   3.7   2.10079
 78/ 6/11  74157.1  900.0   260.6   68.4   53.0   14.4   3.6   2.10079 78/ 6/11  75057.1
 900.0   262.0   69.0   53.5   14.5   3.6   2.00079 78/ 6/11  75957.1   900.0   262.3   6
9.1   53.9   14.4   3.6   2.10079 78/ 6/11  76857.1  900.0   263.0   69.6   54.1   14.5
   3.8   2.00079 78/ 6/11  77757.1   900.0   262.8   69.6   54.0   14.6   3.8   2.1^^^^^
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***** JOB DONE.
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS SR=7928=1 1 1 2

 TAPE NO.   1              FILE NO.   2
 RECORD    7928            LENGTH   2 48
0079 89/ 3/13  55868.5   900.0   349.8   154.7   109.0   37.8   9.6   3.4^^^^^^^^^^^^^^^^^^^^^
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