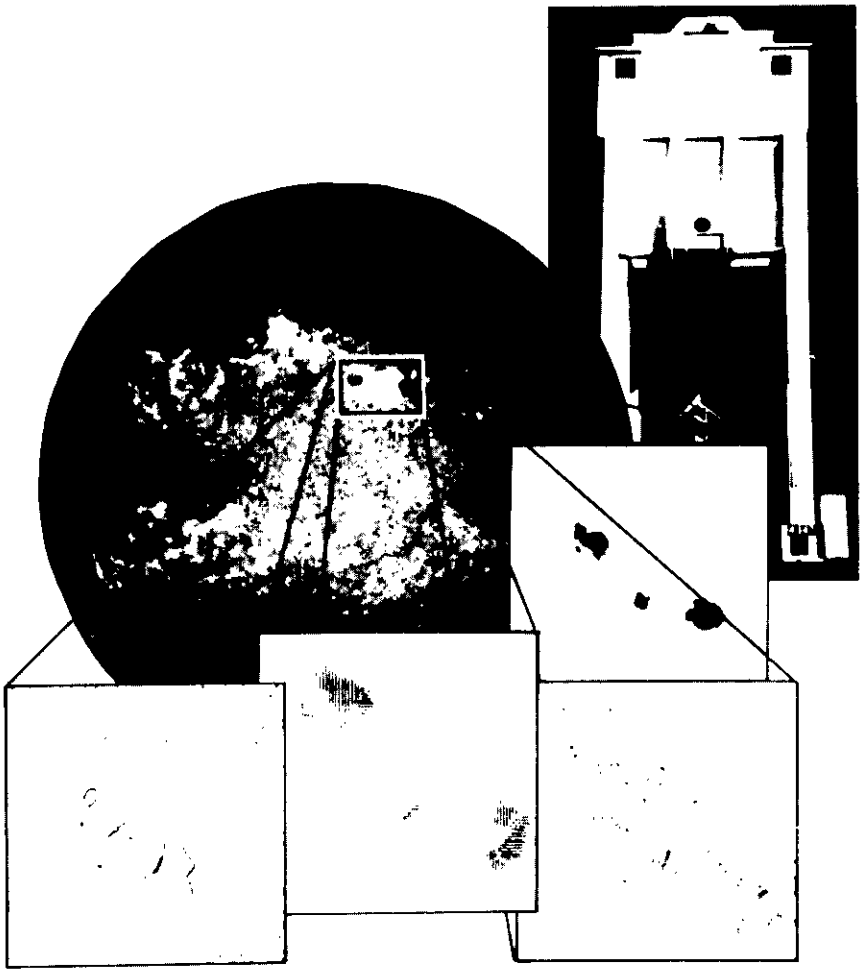
NASA Technical Memorandum 108471

NASA Marshall Space Flight Center Solar Observatory Report March–May 1994

J.E. Smith



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TECHNICAL MEMORANDUM

NASA MARSHALL SPACE FLIGHT CENTER

SOLAR OBSERVATORY REPORT

INTRODUCTION

This report provides a summary of the solar vector magnetic field, H-Alpha, and white-light observations made at the NASA/ Marshall Space Flight Center (MSFC) Solar Observatory during its daily periods of operation.

The MSFC Solar Observatory facilities consist of the Solar Magnetograph, an f/13 30-cm Cassegrain system with a 3.5-cm image of the Sun, housed on top of a 12.8 meter tower, a 12.5-cm Razdow H-Alpha telescope housed at the base of the tower, an 18-cm Questar telescope with a full aperture white-light filter mounted at the base of the tower, a 30-cm Cassegrain telescope located in a second metal dome, and a 16.5-cm H-Alpha telescope mounted on side of the Solar Vector Magnetograph. A concrete block building provides office space, a darkroom for developing film and performing optical testing, a workshop, video displays, and a computer facility for data reduction.

THE NASA/MSFC SOLAR MAGNETOGRAPH

The NASA/MSFC Solar Magnetograph is an electro-optical instrument designed to provide information on the states of linear and circular polarization of a narrow wavelength interval (1/8 Å) of the 525.022nm (5250.22 Å) solar absorption line over a 5.75 X 5.75 arc minute field of view with a spatial resolution of 2.7 arc seconds and a time resolution of approxiamately 6 minutes for a complete vector magnetogram with a sensitivity of 1/1000. A complete description of the instrument and its calibration and performance characteristics can be found in references 1 and 3.

H-ALPHA FACILITY

The facility houses a 12.5 cm aperture, Radzdow H-alpha telescope system. This system consists of a $f/8$, 1 meter focal length, 5-inch telescope which produces a 16 mm diameter image at the prime focus. The spectral selection is provided by a Halle-Lyot birefringent filter with a 0.5 Å bandpass centered at H-alpha and tunable within ± 1 Å. The telescope is equipped with standard mount, drive, and guidance systems, and it provides eyepiece viewing as well as film and TV scan output.
The 16.5-cm H-Alpha telescope consists of a telecentric Cassegrainian (f/28) objective, Fabry-Perot filter, relay optics, vidicon camera, and film camera. It provides a 4.4 - 16 arc-minute variable field of view, narrow spectral bandwidth, and high spatial resolution.

WHITE-LIGHT TELESCOPE

An 18 cm Questar telescope with a full aperture white-light prefilter is also available for viewing or photographing sunspots and/or other white-light solar features.

COMPUTER CENTER

The data reduction capability consists of a PDP 11/73 computer with 2 megabytes memory, control terminals, color graphics display monitor, line printer, two disk systems, and a magnetic tape recorder. The data acquisition computer is a PDP 11/23 with 2 megabytes memory and is used to control the data storage, the real time analysis, and the operation of the vector magnetograph system. The system hardware is controlled by an Intel microcomputer with a Z80 processor. After receiving commands from the PDP 11/23, the Intel configures the hardware to given specifics and then acquires the data. The Intel controls the timing of the solid state camera system, the polarizing optics, and the data transfer into temporary memory.

DATA DESCRIPTION

The MSFC Vector Magnetograph system records the Sun's photospheric magnetic field over an approximately 6 X 6 arc min square field of view. The normal mode of operation produces magnetograms with a 128 X 128 data array, yielding a pixel size of 2.8 arc second resolution. It takes about 6 minutes to produce one complete vector set. The data can then be displayed in various contour plots showing the field gradients and directions.

OBSERVING RECORDS

The MSFC magnetograph observations are summarized in Appendix A. H-alpha observing records are summarized in Appendix B. White-light observing records are summarized in Appendix C.

REFERENCES

1. Hagyard, M. J., Cumings, N. P., West, E. A., and Smith, J. E., "The MSFC Solar Vector Magnetograph" *Solar Phys.* **80**, 33 (1982).

2. Hagyard, M. J., Cumings, N. P., and West, E. A., Proceedings of Kunming Workshop on Solar Physics and Interplanetary Travelling Phenomena, C. De Jager and Chen Biao, eds., 1216 (1985).

3. Hagyard, M. J., West, E. A., Gary, G. A., Smith, J. E., "Coaligned Observations of Solar Magnetic Fields at Different Height MSFC Center Director's Discretionary Fund Final Report, pg. 2 (1990).

Abbreviations used in the records are as follows:

Region	Four digits mean Boulder region number
	0-represents calibration
	1-represents studies at the Sun center
	2-represents studies of any quiet area
	3-represents studies of coronal holes
λ P	Polarimeter waveplate position
	1-represents a complete vector set
Enh	Number of image enhancements
FP	Zeiss filter position
CF	Center filter position of sunspot
C.T.	Correlation Tracker
	0-represents off
	1-represents on
ODA	Optical disk medium in which the data are stored

Appendix A

MAGNETOGRAPH OBSERVATIONS

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40000.H	04-MAR-94	16:27:17	7682	1	128	1311	1302	ODA	1
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S40002.H	04-MAR-94	16:31:04	7682	3	128	1311	1302	ODA	1
S40003.H	04-MAR-94	16:32:58	7682	1	128	1311	1302	ODA	1
S40004.H	04-MAR-94	16:34:36	7682	2	128	1311	1302	ODA	1
S40005.H	04-MAR-94	16:36:23	7682	3	128	1311	1302	ODA	1
S40006.H	04-MAR-94	16:38:29	7682	1	128	1311	1302	ODA	1
S40007.H	04-MAR-94	16:40:16	7682	2	128	1311	1302	ODA	1
S40008.H	04-MAR-94	16:41:34	7682	3	128	1311	1302	ODA	1
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S40011.H	04-MAR-94	16:52:45	7682	3	128	1311	1302	ODA	1
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S40015.H	04-MAR-94	16:58:57	7682	1	128	1311	1302	ODA	1
S40016.H	04-MAR-94	17:00:45	7682	2	128	1311	1302	ODA	1
S40017.H	04-MAR-94	17:03:57	7682	3	128	1311	1302	ODA	1
S40018.H	07-MAR-94	16:38:12	7685	1	128	1311	1302	ODA	1
S40019.H	07-MAR-94	16:39:43	7685	2	128	1311	1302	ODA	1
S40020.H	07-MAR-94	16:41:14	7685	3	128	1311	1302	ODA	1
S40021.H	07-MAR-94	16:42:50	7685	1	128	1311	1302	ODA	1
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S40027.H	07-MAR-94	17:08:13	7687	3	128	1311	1302	ODA	1
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S40030.H	07-MAR-94	17:12:57	7687	3	128	1311	1302	ODA	1
S40031.H	07-MAR-94	17:15:58	0	1	128	1311	1302	ODA	1
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S40033.H	07-MAR-94	17:18:15	0	3	128	1311	1302	ODA	1
S40034.H	07-MAR-94	17:19:29	0	3	128	1311	1302	ODA	1
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S40038.H	07-MAR-94	19:06:20	7685	1	128	1311	1302	ODA	1
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S40049.H	07-MAR-94	19:24:56	7687	3	128	1311	1302	ODA	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
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MAGNETOGRAPH OBSERVATIONS

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S40111.H	15-MAR-94	19:09:04	7688	3	128	1311	1302	ODA	1
S40112.H	15-MAR-94	19:11:19	0	1	128	1311	1302	ODA	0
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S40134.H	16-MAR-94	17:13:04	7688	3	128	1311	1302	ODA	1
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S40136.H	16-MAR-94	19:39:26	7688	1	128	1311	1302	ODA	1
S40137.H	16-MAR-94	19:40:57	7688	2	128	1311	1302	ODA	1
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S40142.H	16-MAR-94	19:47:58	7688	1	2	1311	1302	ODA	1
S40143.H	16-MAR-94	19:52:15	7688	1	128	1311	1302	ODA	1
S40144.H	16-MAR-94	19:53:44	7688	2	128	1311	1302	ODA	1
S40145.H	16-MAR-94	19:55:13	7688	3	128	1311	1302	ODA	1
S40146.H	16-MAR-94	19:57:04	7688	1	128	1311	1302	ODA	1
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MAGNETOGRAPH OBSERVATIONS

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S40154.H	16-MAR-94	20:10:20	7688	3	128	1311	1302	ODA	1
S40155.H	17-MAR-94	14:53:49	7688	1	128	1311	1302	ODA	1
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S40160.H	17-MAR-94	15:01:44	7688	3	128	1311	1302	ODA	1
S40161.H	17-MAR-94	15:03:23	7688	1	2	1311	1302	ODA	1
S40162.H	17-MAR-94	15:05:54	7688	1	128	1311	1302	ODA	1
S40163.H	17-MAR-94	15:07:33	7688	2	128	1311	1302	ODA	1
S40164.H	17-MAR-94	15:09:08	7688	3	128	1311	1302	ODA	1
S40165.H	17-MAR-94	15:10:56	7688	1	128	1311	1302	ODA	1
S40166.H	17-MAR-94	15:12:24	7688	2	128	1311	1302	ODA	1
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S40170.H	17-MAR-94	15:18:26	0	3	128	1311	1302	ODA	0
S40171.H	17-MAR-94	15:19:46	0	3	128	1311	1302	ODA	0
S40172.H	17-MAR-94	15:37:04	7688	1	128	1311	1302	ODA	1
S40173.H	17-MAR-94	15:38:35	7688	2	128	1311	1302	ODA	1
S40174.H	17-MAR-94	15:40:10	7688	3	128	1311	1302	ODA	1
S40175.H	17-MAR-94	15:54:42	7692	1	128	1311	1302	ODA	1
S40176.H	17-MAR-94	15:56:14	7692	2	128	1311	1302	ODA	1
S40177.H	17-MAR-94	15:57:52	7692	3	128	1311	1302	ODA	1
S40178.H	17-MAR-94	15:59:33	7692	1	128	1311	1302	ODA	1
S40179.H	17-MAR-94	16:01:09	7692	2	128	1311	1302	ODA	1
S40180.H	17-MAR-94	16:02:43	7692	3	128	1311	1302	ODA	1
S40181.H	17-MAR-94	16:04:30	7692	1	128	1311	1302	ODA	1
S40182.H	17-MAR-94	16:06:04	7692	2	128	1311	1302	ODA	1
S40183.H	17-MAR-94	16:07:40	7692	3	128	1311	1302	ODA	1
S40184.H	17-MAR-94	18:55:39	7688	1	128	1311	1302	ODA	1
S40185.H	17-MAR-94	18:57:15	7688	2	128	1311	1302	ODA	1
S40186.H	17-MAR-94	18:58:50	7688	3	128	1311	1302	ODA	1
S40187.H	17-MAR-94	18:59:40	7688	1	2	1311	1302	ODA	1
S40188.H	17-MAR-94	19:02:09	7688	1	128	1311	1302	ODA	1
S40189.H	17-MAR-94	19:04:53	7688	1	128	1311	1302	ODA	1
S40190.H	17-MAR-94	19:06:24	7688	2	128	1311	1302	ODA	1
S40191.H	17-MAR-94	19:08:01	7688	3	128	1311	1302	ODA	1
S40192.H	17-MAR-94	19:10:00	0	1	128	1311	1302	ODA	0
S40193.H	17-MAR-94	19:11:30	0	2	128	1311	1302	ODA	0
S40194.H	17-MAR-94	19:13:03	0	3	128	1311	1302	ODA	0
S40195.H	22-MAR-94	16:21:51	7692	1	128	1312	1302	ODA	1
S40196.H	22-MAR-94	16:23:28	7692	2	128	1312	1302	ODA	1
S40197.H	22-MAR-94	16:25:08	7692	3	128	1312	1302	ODA	1
S40198.H	22-MAR-94	16:28:54	7692	1	128	1312	1302	ODA	1
S40199.H	22-MAR-94	16:30:31	7692	2	128	1312	1302	ODA	1
S40200.H	22-MAR-94	16:32:06	7692	3	128	1312	1302	ODA	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40201.H	22-MAR-94	16:33:23	7692	1	64	1312	1302	ODA	1
S40202.H	22-MAR-94	16:36:17	7692	1	64	1312	1302	ODA	1
S40203.H	22-MAR-94	16:37:34	7692	2	64	1312	1302	ODA	1
S40204.H	22-MAR-94	16:38:46	7692	3	64	1312	1302	ODA	1
S40205.H	22-MAR-94	16:40:39	7692	1	32	1312	1302	ODA	1
S40206.H	22-MAR-94	16:48:13	7692	1	32	1312	1302	ODA	1
S40207.H	22-MAR-94	16:51:26	7692	1	16	1312	1302	ODA	1
S40208.H	22-MAR-94	16:55:10	7692	1	16	1312	1302	ODA	1
S40209.H	22-MAR-94	16:59:19	7692	1	128	1312	1302	ODA	1
S40210.H	22-MAR-94	17:00:53	7692	2	128	1312	1302	ODA	1
S40211.H	22-MAR-94	17:02:28	7692	3	128	1312	1302	ODA	1
S40212.H	25-MAR-94	14:57:51	7694	1	128	1311	1302	ODA	1
S40213.H	25-MAR-94	15:01:57	7694	2	128	1311	1302	ODA	1
S40214.H	25-MAR-94	15:03:45	7694	3	128	1311	1302	ODA	1
S40215.H	25-MAR-94	15:05:29	7694	1	2	1311	1302	ODA	1
S40216.H	25-MAR-94	15:14:49	7694	1	128	1311	1302	ODA	1
S40217.H	25-MAR-94	15:16:30	7694	2	128	1311	1302	ODA	1
S40218.H	25-MAR-94	15:18:24	7694	3	128	1311	1302	ODA	1
S40219.H	25-MAR-94	15:20:28	7694	1	128	1311	1302	ODA	1
S40220.H	25-MAR-94	15:22:01	7694	2	128	1311	1302	ODA	1
S40221.H	25-MAR-94	15:23:43	7694	3	128	1311	1302	ODA	1
S40222.H	25-MAR-94	15:44:16	7694	1	128	1311	1302	ODA	1
S40223.H	25-MAR-94	15:45:51	7694	2	128	1311	1302	ODA	1
S40224.H	25-MAR-94	15:47:27	7694	3	128	1311	1302	ODA	1
S40225.H	25-MAR-94	15:49:04	7694	1	128	1311	1302	ODA	1
S40226.H	25-MAR-94	15:50:39	7694	2	128	1311	1302	ODA	1
S40227.H	25-MAR-94	15:52:18	7694	3	128	1311	1302	ODA	1
S40228.H	25-MAR-94	15:55:20	0	1	128	1311	1302	ODA	0
S40229.H	25-MAR-94	15:56:39	0	2	128	1311	1302	ODA	0
S40230.H	25-MAR-94	15:57:58	0	3	128	1311	1302	ODA	0
S40231.H	25-MAR-94	15:59:25	0	3	128	1311	1302	ODA	0
S40232.H	25-MAR-94	16:04:01	7694	1	128	1311	1302	ODA	1
S40233.H	25-MAR-94	16:05:33	7694	2	128	1311	1302	ODA	1
S40234.H	25-MAR-94	16:07:04	7694	3	128	1311	1302	ODA	1
S40235.H	25-MAR-94	16:07:58	7694	1	2	1311	1302	ODA	1
S40236.H	25-MAR-94	16:10:18	7694	1	128	1311	1302	ODA	1
S40237.H	25-MAR-94	16:11:55	7694	2	128	1311	1302	ODA	1
S40238.H	25-MAR-94	16:13:26	7694	3	128	1311	1302	ODA	1
S40239.H	25-MAR-94	16:14:57	7694	1	128	1311	1302	ODA	1
S40240.H	25-MAR-94	16:16:28	7694	2	128	1311	1302	ODA	1
S40241.H	25-MAR-94	16:17:58	7694	3	128	1311	1302	ODA	1
S40242.H	25-MAR-94	20:03:07	7694	1	128	1311	1302	ODA	1
S40243.H	25-MAR-94	20:04:40	7694	2	128	1311	1302	ODA	1
S40244.H	25-MAR-94	20:06:12	7694	3	128	1311	1302	ODA	1
S40245.H	25-MAR-94	20:07:45	7694	1	128	1311	1302	ODA	1
S40246.H	25-MAR-94	20:09:14	7694	2	128	1311	1302	ODA	1
S40247.H	25-MAR-94	20:10:44	7694	3	128	1311	1302	ODA	1
S40248.H	25-MAR-94	20:11:31	7694	1	2	1311	1302	ODA	1
S40249.H	25-MAR-94	20:13:28	0	1	128	1311	1302	ODA	0
S40250.H	25-MAR-94	20:14:50	0	2	128	1311	1302	ODA	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40251.H	25-MAR-94	20:16:25	0	3	128	1311	1302	ODA	0
S40252.H	25-MAR-94	20:19:45	7496	1	128	1311	1302	ODA	1
S40253.H	25-MAR-94	20:21:16	7496	2	128	1311	1302	ODA	1
S40254.H	25-MAR-94	20:22:48	7496	3	128	1311	1302	ODA	1
S40255.H	29-MAR-94	14:44:35	7695	1	128	1297	1306	ODA	1
S40256.H	29-MAR-94	14:46:03	7695	2	128	1297	1306	ODA	1
S40257.H	29-MAR-94	14:47:38	7695	3	128	1297	1306	ODA	1
S40258.H	29-MAR-94	14:49:26	7695	1	128	1304	1306	ODA	1
S40259.H	29-MAR-94	14:50:47	7695	1	2	1304	1306	ODA	1
S40260.H	29-MAR-94	14:53:05	7695	1	128	1315	1306	ODA	1
S40261.H	29-MAR-94	14:54:33	7695	2	128	1315	1306	ODA	1
S40262.H	29-MAR-94	14:56:02	7695	3	128	1315	1306	ODA	1
S40263.H	29-MAR-94	14:57:38	7695	1	128	1315	1306	ODA	1
S40264.H	29-MAR-94	14:59:06	7695	2	128	1315	1306	ODA	1
S40265.H	29-MAR-94	15:00:36	7695	3	128	1315	1306	ODA	1
S40266.H	29-MAR-94	15:08:36	7695	1	128	1318	1306	ODA	1
S40267.H	29-MAR-94	15:10:05	7695	2	128	1318	1306	ODA	1
S40268.H	29-MAR-94	15:11:37	7695	3	128	1318	1306	ODA	1
S40269.H	29-MAR-94	15:13:14	0	1	128	1315	1306	ODA	0
S40270.H	29-MAR-94	15:14:30	0	2	128	1315	1306	ODA	0
S40271.H	29-MAR-94	15:15:46	0	3	128	1315	1306	ODA	0
S40272.H	29-MAR-94	15:16:59	0	3	128	1315	1306	ODA	0
S40273.H	29-MAR-94	15:34:36	7695	1	128	1315	1306	ODA	1
S40274.H	29-MAR-94	15:37:10	7695	1	128	1315	1306	ODA	1
S40275.H	29-MAR-94	15:39:05	7695	2	128	1315	1306	ODA	1
S40276.H	29-MAR-94	15:40:32	7695	3	128	1315	1306	ODA	1
S40277.H	29-MAR-94	15:42:29	7695	1	128	1315	1306	ODA	1
S40278.H	29-MAR-94	15:43:58	7695	2	128	1315	1306	ODA	1
S40279.H	29-MAR-94	15:45:32	7695	3	128	1315	1306	ODA	1
S40280.H	29-MAR-94	16:26:42	7695	1	128	1297	1306	ODA	1
S40281.H	29-MAR-94	16:28:58	7695	2	128	1297	1306	ODA	1
S40282.H	29-MAR-94	16:30:26	7695	3	128	1297	1306	ODA	1
S40283.H	29-MAR-94	16:32:13	7695	1	128	1306	1306	ODA	1
S40284.H	29-MAR-94	16:34:57	7695	1	2	1306	1306	ODA	1
S40285.H	29-MAR-94	16:52:42	7695	1	128	1315	1306	ODA	1
S40286.H	29-MAR-94	16:54:20	7695	2	128	1315	1306	ODA	1
S40287.H	29-MAR-94	17:06:25	7695	3	128	1315	1306	ODA	1
S40288.H	29-MAR-94	17:09:32	7695	1	128	1315	1306	ODA	1
S40289.H	29-MAR-94	17:10:59	7695	2	128	1315	1306	ODA	1
S40290.H	29-MAR-94	17:12:33	7695	3	128	1315	1306	ODA	1
S40291.H	29-MAR-94	17:14:05	7695	1	128	1315	1306	ODA	1
S40292.H	29-MAR-94	17:15:33	7695	2	128	1315	1306	ODA	1
S40293.H	29-MAR-94	17:17:01	7695	3	128	1315	1306	ODA	1
S40294.H	29-MAR-94	17:21:16	7695	1	128	1315	1306	ODA	1
S40295.H	29-MAR-94	17:22:48	7695	2	128	1315	1306	ODA	1
S40296.H	29-MAR-94	17:24:20	7695	3	128	1315	1306	ODA	1
S40297.H	29-MAR-94	17:25:54	7695	1	128	1315	1306	ODA	1
S40298.H	29-MAR-94	17:27:25	7695	2	128	1315	1306	ODA	1
S40299.H	29-MAR-94	17:29:15	7695	3	128	1315	1306	ODA	1
S40300.H	29-MAR-94	20:04:49	7695	1	128	1315	1306	ODA	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40301.H	29-MAR-94	20:06:23	7695	2	128	1315	1306	ODA	1
S40302.H	29-MAR-94	20:11:05	7695	3	128	1315	1306	ODA	1
S40303.H	29-MAR-94	20:12:57	7695	1	128	1315	1306	ODA	1
S40304.H	29-MAR-94	20:14:24	7695	2	128	1315	1306	ODA	1
S40305.H	29-MAR-94	20:15:53	7695	3	128	1315	1306	ODA	1
S40306.H	29-MAR-94	20:17:52	7695	1	128	1297	1306	ODA	1
S40307.H	29-MAR-94	20:24:31	7695	1	128	1297	1306	ODA	1
S40308.H	29-MAR-94	20:25:58	7695	2	128	1297	1306	ODA	1
S40309.H	29-MAR-94	20:27:27	7695	3	128	1297	1306	ODA	1
S40310.H	29-MAR-94	20:29:20	7695	1	128	1306	1306	ODA	1
S40311.H	29-MAR-94	20:30:21	7695	1	2	1306	1306	ODA	1
S40312.H	29-MAR-94	20:32:38	7695	1	128	1315	1306	ODA	1
S40313.H	29-MAR-94	20:34:18	7695	2	128	1315	1306	ODA	1
S40314.H	29-MAR-94	20:35:47	7695	3	128	1315	1306	ODA	1
S40315.H	29-MAR-94	20:37:36	7695	1	128	1318	1306	ODA	1
S40316.H	29-MAR-94	20:39:08	7695	2	128	1318	1306	ODA	1
S40317.H	29-MAR-94	20:40:37	7695	3	128	1318	1306	ODA	1
S40318.H	29-MAR-94	20:42:35	7695	1	128	1315	1306	ODA	1
S40319.H	29-MAR-94	20:44:06	7695	2	128	1315	1306	ODA	1
S40320.H	29-MAR-94	20:45:48	7695	3	128	1315	1306	ODA	1
S40321.H	29-MAR-94	20:47:08	0	1	128	1315	1306	ODA	0
S40322.H	29-MAR-94	20:48:15	0	2	128	1315	1306	ODA	0
S40323.H	29-MAR-94	20:49:24	0	3	128	1315	1306	ODA	0
S40324.H	29-MAR-94	21:01:50	7695	1	128	1315	1306	ODA	1
S40325.H	29-MAR-94	21:03:14	7695	2	128	1315	1306	ODA	1
S40326.H	29-MAR-94	21:04:44	7695	3	128	1315	1306	ODA	1
S40327.H	29-MAR-94	21:06:23	7695	1	128	1315	1306	ODA	1
S40328.H	29-MAR-94	21:07:57	7695	2	128	1315	1306	ODA	1
S40329.H	29-MAR-94	21:09:21	7695	3	128	1315	1306	ODA	1
S40330.H	29-MAR-94	21:12:13	7695	1	128	1297	1306	ODA	1
S40331.H	29-MAR-94	21:13:32	7695	2	128	1297	1306	ODA	1
S40332.H	29-MAR-94	21:15:01	7695	3	128	1297	1306	ODA	1
S40333.H	29-MAR-94	21:17:18	7695	1	128	1315	1306	ODA	1
S40334.H	29-MAR-94	21:18:47	7695	2	128	1315	1306	ODA	1
S40335.H	29-MAR-94	21:20:19	7695	3	128	1315	1306	ODA	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40336.H	01-APR-94	14:57:00	7698	1	128	1313	1304	ODA	1
S40337.H	01-APR-94	14:58:39	7698	2	128	1313	1304	ODA	1
S40338.H	01-APR-94	15:00:06	7698	3	128	1313	1304	ODA	1
S40339.H	01-APR-94	15:02:23	7698	1	128	1295	1304	ODA	1
S40340.H	01-APR-94	15:03:54	7698	2	128	1295	1304	ODA	1
S40341.H	01-APR-94	15:05:22	7698	3	128	1295	1304	ODA	1
S40342.H	01-APR-94	15:07:13	7698	1	128	1304	1304	ODA	1
S40343.H	01-APR-94	15:08:01	7698	1	2	1304	1304	ODA	1
S40344.H	01-APR-94	15:10:09	7698	1	128	1313	1304	ODA	1
S40345.H	01-APR-94	15:11:37	7698	2	128	1313	1304	ODA	1
S40346.H	01-APR-94	15:13:05	7698	3	128	1313	1304	ODA	1
S40347.H	01-APR-94	15:14:27	0	1	128	1313	1304	ODA	0
S40348.H	01-APR-94	15:15:31	0	2	128	1313	1304	ODA	0
S40349.H	01-APR-94	15:16:35	0	3	128	1313	1304	ODA	0
S40350.H	11-APR-94	13:48:49	7701	1	128	1297	1304	ODA	1
S40351.H	11-APR-94	13:50:27	7701	2	128	1297	1304	ODA	1
S40352.H	11-APR-94	13:52:03	7701	3	128	1297	1304	ODA	1
S40353.H	11-APR-94	13:54:41	7701	1	128	1304	1304	ODA	1
S40354.H	11-APR-94	13:55:36	7701	1	2	1304	1304	ODA	1
S40355.H	11-APR-94	13:58:09	7701	1	128	1313	1304	ODA	1
S40356.H	11-APR-94	13:59:45	7701	2	128	1313	1304	ODA	1
S40357.H	11-APR-94	14:02:30	7701	3	128	1313	1304	ODA	1
S40358.H	11-APR-94	14:05:43	7701	1	128	1313	1304	ODA	1
S40359.H	11-APR-94	14:07:29	7701	2	128	1313	1304	ODA	1
S40360.H	11-APR-94	14:09:06	7701	3	128	1313	1304	ODA	1
S40361.H	11-APR-94	14:11:57	7701	1	128	1316	1304	ODA	1
S40362.H	11-APR-94	14:13:33	7701	2	128	1316	1304	ODA	1
S40363.H	11-APR-94	14:16:09	7701	3	128	1316	1304	ODA	1
S40364.H	11-APR-94	14:17:45	7701	1	128	1316	1304	ODA	1
S40365.H	11-APR-94	14:19:22	7701	2	128	1316	1304	ODA	1
S40366.H	11-APR-94	14:20:57	7701	3	128	1316	1304	ODA	1
S40367.H	11-APR-94	14:22:56	7701	1	128	1313	1304	ODA	1
S40368.H	11-APR-94	14:24:36	7701	2	128	1313	1304	ODA	1
S40369.H	11-APR-94	14:26:19	7701	3	128	1313	1304	ODA	1
S40370.H	11-APR-94	14:29:07	0	1	128	1313	1304	ODA	0
S40371.H	11-APR-94	14:30:29	0	2	128	1313	1304	ODA	0
S40372.H	11-APR-94	14:31:42	0	3	128	1313	1304	ODA	0
S40373.H	11-APR-94	14:33:25	0	1	128	1316	1304	ODA	0
S40374.H	11-APR-94	14:34:47	0	2	128	1316	1304	ODA	0
S40375.H	11-APR-94	14:35:57	0	3	128	1316	1304	ODA	0
S40376.H	11-APR-94	14:37:39	0	3	128	1316	1304	ODA	0
S40377.H	11-APR-94	14:43:16	7701	1	128	1295	1304	ODA	1
S40378.H	11-APR-94	14:44:52	7701	2	128	1295	1304	ODA	1
S40379.H	11-APR-94	14:46:49	7701	3	128	1295	1304	ODA	1
S40380.H	11-APR-94	14:53:40	7701	1	128	1303	1304	ODA	1
S40381.H	11-APR-94	14:55:16	7701	2	128	1303	1304	ODA	1
S40382.H	11-APR-94	14:56:51	7701	3	128	1303	1304	ODA	1
S40383.H	11-APR-94	14:58:38	7701	1	128	1303	1304	ODA	1
S40384.H	11-APR-94	15:00:10	7701	2	128	1303	1304	ODA	1
S40385.H	11-APR-94	15:01:47	7701	3	128	1303	1304	ODA	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40386.H	13-APR-94	15:14:32	7700	1	128	1294	1303	ODA	1
S40387.H	13-APR-94	15:16:09	7700	2	128	1294	1303	ODA	1
S40388.H	13-APR-94	15:17:43	7700	3	128	1294	1303	ODA	1
S40389.H	13-APR-94	15:19:37	7700	1	128	1303	1303	ODA	1
S40390.H	13-APR-94	15:20:53	7700	1	2	1303	1303	ODA	1
S40391.H	13-APR-94	15:24:36	7700	1	128	1311	1303	ODA	1
S40392.H	13-APR-94	15:27:26	7700	2	128	1311	1303	ODA	1
S40393.H	13-APR-94	15:29:01	7700	3	128	1311	1303	ODA	1
S40394.H	13-APR-94	15:58:50	7700	1	128	1311	1303	ODA	1
S40395.H	13-APR-94	16:00:21	7700	2	128	1311	1303	ODA	1
S40396.H	13-APR-94	16:01:53	7700	3	128	1311	1303	ODA	1
S40397.H	13-APR-94	16:03:28	7700	1	128	1311	1303	ODA	1
S40398.H	13-APR-94	16:05:00	7700	2	128	1311	1303	ODA	1
S40399.H	13-APR-94	16:06:34	7700	3	128	1311	1303	ODA	1
S40400.H	13-APR-94	16:08:36	7700	1	128	1315	1303	ODA	1
S40401.H	13-APR-94	16:10:09	7700	2	128	1315	1303	ODA	1
S40402.H	13-APR-94	16:11:41	7700	3	128	1315	1303	ODA	1
S40403.H	13-APR-94	16:14:03	0	1	128	1315	1303	ODA	0
S40404.H	13-APR-94	16:15:20	0	2	128	1315	1303	ODA	0
S40405.H	13-APR-94	16:16:28	0	3	128	1315	1303	ODA	0
S40406.H	13-APR-94	16:17:59	0	1	128	1312	1303	ODA	0
S40407.H	13-APR-94	16:19:16	0	2	128	1312	1303	ODA	0
S40408.H	13-APR-94	16:20:34	0	3	128	1312	1303	ODA	0
S40409.H	13-APR-94	16:21:55	0	3	128	1312	1303	ODA	0
S40410.H	13-APR-94	19:43:15	7700	1	128	1294	1303	ODA	1
S40411.H	13-APR-94	19:44:50	7700	2	128	1294	1303	ODA	1
S40412.H	13-APR-94	19:46:26	7700	3	128	1294	1303	ODA	1
S40413.H	13-APR-94	19:48:22	7700	1	128	1303	1303	ODA	1
S40414.H	13-APR-94	19:49:47	7700	1	2	1303	1303	ODA	1
S40415.H	13-APR-94	19:52:04	7700	1	128	1312	1303	ODA	1
S40416.H	13-APR-94	19:53:40	7700	2	128	1312	1303	ODA	1
S40417.H	13-APR-94	19:55:24	7700	3	128	1312	1303	ODA	1
S40418.H	13-APR-94	19:58:15	7700	1	128	1312	1303	ODA	1
S40419.H	13-APR-94	19:59:36	7700	2	128	1312	1303	ODA	1
S40420.H	13-APR-94	20:01:08	7700	3	128	1312	1303	ODA	1
S40421.H	14-APR-94	13:46:28	7700	1	128	1294	1303	ODA	1
S40422.H	14-APR-94	13:48:02	7700	2	128	1294	1303	ODA	1
S40423.H	14-APR-94	13:49:38	7700	3	128	1294	1303	ODA	1
S40424.H	14-APR-94	13:51:50	7700	1	128	1301	1303	ODA	1
S40425.H	14-APR-94	13:52:41	7700	1	2	1301	1303	ODA	1
S40426.H	14-APR-94	13:56:55	7700	1	128	1312	1303	ODA	1
S40427.H	14-APR-94	13:58:28	7700	2	128	1312	1303	ODA	1
S40428.H	14-APR-94	14:00:06	7700	3	128	1312	1303	ODA	1
S40429.H	14-APR-94	14:01:49	7700	1	128	1312	1303	ODA	1
S40430.H	14-APR-94	14:03:27	7700	2	128	1312	1303	ODA	1
S40431.H	14-APR-94	14:05:03	7700	3	128	1312	1303	ODA	1
S40432.H	14-APR-94	14:07:05	7700	1	128	1315	1303	ODA	1
S40433.H	14-APR-94	14:08:45	7700	2	128	1315	1303	ODA	1
S40434.H	14-APR-94	14:10:18	7700	3	128	1315	1303	ODA	1
S40435.H	14-APR-94	14:12:02	7700	1	128	1315	1303	ODA	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40436.H	14-APR-94	14:13:32	7700	2	128	1315	1303	ODA	1
S40437.H	14-APR-94	14:15:04	7700	3	128	1315	1303	ODA	1
S40438.H	14-APR-94	14:17:26	7700	1	128	1312	1303	ODA	1
S40439.H	14-APR-94	14:18:57	7700	2	128	1312	1303	ODA	1
S40440.H	14-APR-94	14:20:31	7700	3	128	1312	1303	ODA	1
S40441.H	14-APR-94	14:22:10	0	1	128	1312	1303	ODA	0
S40442.H	14-APR-94	14:23:26	0	2	128	1312	1303	ODA	0
S40443.H	14-APR-94	14:24:45	0	3	128	1312	1303	ODA	0
S40444.H	14-APR-94	14:26:17	0	1	128	1315	1303	ODA	0
S40445.H	14-APR-94	14:27:34	0	2	128	1315	1303	ODA	0
S40446.H	14-APR-94	14:28:54	0	3	128	1315	1303	ODA	0
S40447.H	14-APR-94	14:30:33	0	3	128	1315	1303	ODA	0
S40448.H	14-APR-94	19:21:19	7700	1	128	1293	1303	ODA	1
S40449.H	14-APR-94	19:22:52	7700	2	128	1293	1303	ODA	1
S40450.H	14-APR-94	19:24:29	7700	3	128	1293	1303	ODA	1
S40451.H	14-APR-94	19:25:37	7700	1	2	1303	1303	ODA	1
S40452.H	14-APR-94	19:29:38	7700	1	128	1311	1303	ODA	1
S40453.H	14-APR-94	19:31:09	7700	2	128	1311	1303	ODA	1
S40454.H	14-APR-94	19:32:43	7700	3	128	1311	1303	ODA	1
S40455.H	14-APR-94	19:34:21	7700	1	128	1311	1303	ODA	1
S40456.H	14-APR-94	19:35:53	7700	2	128	1311	1303	ODA	1
S40457.H	14-APR-94	19:37:26	7700	3	128	1311	1303	ODA	1
S40458.H	14-APR-94	19:39:13	7700	1	128	1315	1303	ODA	1
S40459.H	14-APR-94	19:40:43	7700	2	128	1315	1303	ODA	1
S40460.H	14-APR-94	19:42:17	7700	3	128	1315	1303	ODA	1
S40461.H	18-APR-94	13:51:35	7701	1	128	1297	1306	ODA	1
S40462.H	18-APR-94	13:54:00	7701	2	128	1297	1306	ODA	1
S40463.H	18-APR-94	13:55:38	7701	3	128	1297	1306	ODA	1
S40464.H	18-APR-94	13:58:52	7701	1	128	1305	1306	ODA	1
S40465.H	18-APR-94	13:59:46	7701	1	2	1305	1306	ODA	1
S40466.H	18-APR-94	14:02:46	7701	1	128	1315	1306	ODA	1
S40467.H	18-APR-94	14:04:29	7701	2	128	1315	1306	ODA	1
S40468.H	18-APR-94	14:06:11	7701	3	128	1315	1306	ODA	1
S40469.H	18-APR-94	14:09:11	7701	1	128	1315	1306	ODA	1
S40470.H	18-APR-94	14:12:15	7701	1	128	1315	1306	ODA	1
S40471.H	18-APR-94	14:13:50	7701	2	128	1315	1306	ODA	1
S40472.H	18-APR-94	14:15:25	7701	3	128	1315	1306	ODA	1
S40473.H	18-APR-94	14:17:44	7701	1	128	1318	1306	ODA	1
S40474.H	18-APR-94	14:19:18	7701	2	128	1318	1306	ODA	1
S40475.H	18-APR-94	14:20:54	7701	3	128	1318	1306	ODA	1
S40476.H	18-APR-94	14:22:43	7701	1	128	1318	1306	ODA	1
S40477.H	18-APR-94	14:24:17	7701	2	128	1318	1306	ODA	1
S40478.H	18-APR-94	14:25:50	7701	3	128	1318	1306	ODA	1
S40479.H	18-APR-94	14:41:04	0	1	128	1315	1306	ODA	0
S40480.H	18-APR-94	14:42:21	0	2	128	1315	1306	ODA	0
S40481.H	18-APR-94	14:43:40	0	3	128	1315	1306	ODA	0
S40482.H	18-APR-94	14:45:40	0	1	128	1310	1306	ODA	0
S40483.H	18-APR-94	14:46:56	0	2	128	1310	1306	ODA	0
S40484.H	18-APR-94	14:48:14	0	3	128	1310	1306	ODA	0
S40485.H	18-APR-94	14:49:30	0	3	128	1310	1306	ODA	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40486.H	18-APR-94	14:54:05	7701	1	128	1297	1306	ODA	1
S40487.H	18-APR-94	14:55:35	7701	2	128	1297	1306	ODA	1
S40488.H	18-APR-94	14:56:51	7701	3	128	1297	1306	ODA	1
S40489.H	18-APR-94	15:01:20	7701	1	128	1315	1306	ODA	1
S40490.H	18-APR-94	15:02:45	7701	2	128	1315	1306	ODA	1
S40491.H	18-APR-94	15:04:16	7701	3	128	1315	1306	ODA	1
S40492.H	18-APR-94	15:05:47	7701	1	128	1315	1306	ODA	1
S40493.H	18-APR-94	15:07:33	7701	2	128	1315	1306	ODA	1
S40494.H	18-APR-94	15:09:03	7701	3	128	1315	1306	ODA	1
S40495.H	18-APR-94	15:10:45	7701	1	128	1315	1306	ODA	1
S40496.H	18-APR-94	15:12:13	7701	2	128	1315	1306	ODA	1
S40497.H	18-APR-94	15:13:41	7701	3	128	1315	1306	ODA	1
S40498.H	18-APR-94	15:17:26	7701	1	128	1306	1306	ODA	1
S40499.H	18-APR-94	15:18:30	7701	1	2	1306	1306	ODA	1
S40500.H	18-APR-94	19:22:14	7701	1	128	1297	1306	ODA	1
S40501.H	18-APR-94	19:23:41	7701	2	128	1297	1306	ODA	1
S40502.H	18-APR-94	19:25:11	7701	3	128	1297	1306	ODA	1
S40503.H	18-APR-94	19:27:02	7701	1	128	1306	1306	ODA	1
S40504.H	18-APR-94	19:27:49	7701	1	2	1306	1306	ODA	1
S40505.H	18-APR-94	19:30:13	7701	1	128	1315	1306	ODA	1
S40506.H	18-APR-94	19:31:40	7701	2	128	1315	1306	ODA	1
S40507.H	18-APR-94	19:33:11	7701	3	128	1315	1306	ODA	1
S40508.H	18-APR-94	19:34:52	7701	1	128	1315	1306	ODA	1
S40509.H	18-APR-94	19:36:22	7701	2	128	1315	1306	ODA	1
S40510.H	18-APR-94	19:37:53	7701	3	128	1315	1306	ODA	1
S40511.H	18-APR-94	19:39:57	7701	1	128	1318	1306	ODA	1
S40512.H	18-APR-94	19:41:25	7701	2	128	1318	1306	ODA	1
S40513.H	18-APR-94	19:42:54	7701	3	128	1318	1306	ODA	1
S40514.H	18-APR-94	19:46:42	0	1	128	1318	1306	ODA	0
S40515.H	18-APR-94	19:47:54	0	2	128	1318	1306	ODA	0
S40516.H	18-APR-94	19:49:13	0	3	128	1318	1306	ODA	0
S40517.H	18-APR-94	19:51:59	0	1	128	1315	1306	ODA	0
S40518.H	18-APR-94	19:53:16	0	2	128	1315	1306	ODA	0
S40519.H	18-APR-94	19:54:30	0	3	128	1315	1306	ODA	0
S40520.H	19-APR-94	13:51:32	7701	1	128	1295	1305	ODA	1
S40521.H	19-APR-94	13:53:01	7701	2	128	1295	1305	ODA	1
S40522.H	19-APR-94	13:54:48	7701	3	128	1295	1305	ODA	1
S40523.H	19-APR-94	13:56:59	7701	1	128	1305	1305	ODA	1
S40524.H	19-APR-94	13:57:52	7701	1	2	1305	1305	ODA	1
S40525.H	19-APR-94	14:01:26	7701	1	128	1314	1305	ODA	1
S40526.H	19-APR-94	14:02:58	7701	2	128	1314	1305	ODA	1
S40527.H	19-APR-94	14:04:31	7701	3	128	1314	1305	ODA	1
S40528.H	19-APR-94	14:06:56	7701	1	128	1314	1305	ODA	1
S40529.H	19-APR-94	14:08:27	7701	2	128	1314	1305	ODA	1
S40530.H	19-APR-94	14:10:00	7701	3	128	1310	1305	ODA	1
S40531.H	19-APR-94	14:11:58	7701	1	128	1313	1305	ODA	1
S40532.H	19-APR-94	14:13:34	7701	2	128	1313	1305	ODA	1
S40533.H	19-APR-94	14:15:10	7701	3	128	1313	1305	ODA	1
S40534.H	19-APR-94	14:16:48	7701	1	128	1313	1305	ODA	1
S40535.H	19-APR-94	14:18:18	7701	2	128	1313	1305	ODA	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40536.H	19-APR-94	14:19:50	7701	3	128	1313	1305	ODA	1
S40537.H	19-APR-94	14:22:26	0	1	128	1317	1305	ODA	0
S40538.H	19-APR-94	14:23:46	0	2	128	1313	1305	ODA	0
S40539.H	19-APR-94	14:24:57	0	3	128	1313	1305	ODA	0
S40540.H	19-APR-94	14:26:36	0	1	128	1314	1305	ODA	0
S40541.H	19-APR-94	14:27:54	0	2	128	1314	1305	ODA	0
S40542.H	19-APR-94	14:29:04	0	3	128	1314	1305	ODA	0
S40543.H	19-APR-94	14:30:32	0	3	128	1314	1305	ODA	0
S40544.H	19-APR-94	15:45:31	7701	1	128	1295	1305	ODA	1
S40545.H	19-APR-94	15:47:08	7701	2	128	1295	1305	ODA	1
S40546.H	19-APR-94	15:48:37	7701	3	128	1295	1305	ODA	1
S40547.H	19-APR-94	15:50:51	7701	1	128	1305	1305	ODA	1
S40548.H	19-APR-94	15:53:05	7701	1	128	1314	1305	ODA	1
S40549.H	19-APR-94	15:54:38	7701	2	128	1314	1305	ODA	1
S40550.H	19-APR-94	15:56:10	7701	3	128	1314	1305	ODA	1
S40551.H	19-APR-94	15:57:42	7701	1	128	1314	1305	ODA	1
S40552.H	19-APR-94	15:59:14	7701	2	128	1314	1305	ODA	1
S40553.H	19-APR-94	16:00:48	7701	3	128	1314	1305	ODA	1
S40554.H	19-APR-94	16:02:50	7701	1	128	1317	1305	ODA	1
S40555.H	19-APR-94	16:04:24	7701	2	128	1317	1305	ODA	1
S40556.H	19-APR-94	16:05:55	7701	3	128	1317	1305	ODA	1
S40557.H	19-APR-94	16:07:27	7701	1	128	1317	1305	ODA	1
S40558.H	19-APR-94	16:08:59	7701	2	128	1317	1305	ODA	1
S40559.H	19-APR-94	16:10:30	7701	3	128	1317	1305	ODA	1
S40560.H	19-APR-94	16:11:49	7701	1	2	1305	1305	ODA	1
S40561.H	19-APR-94	16:13:18	7701	2	2	1305	1305	ODA	1
S40562.H	19-APR-94	16:14:02	7701	3	2	1305	1305	ODA	1
S40563.H	19-APR-94	18:12:15	7701	1	128	1295	1305	ODA	1
S40564.H	19-APR-94	18:13:49	7701	2	128	1295	1305	ODA	1
S40565.H	19-APR-94	18:15:23	7701	3	128	1295	1305	ODA	1
S40566.H	19-APR-94	18:17:33	7701	1	128	1314	1305	ODA	1
S40567.H	19-APR-94	18:19:08	7701	2	128	1314	1305	ODA	1
S40568.H	19-APR-94	18:20:42	7701	3	128	1314	1305	ODA	1
S40569.H	19-APR-94	18:22:27	7701	1	128	1314	1305	ODA	1
S40570.H	19-APR-94	18:24:02	7701	2	128	1314	1305	ODA	1
S40571.H	19-APR-94	18:25:35	7701	3	128	1314	1305	ODA	1
S40572.H	19-APR-94	18:27:36	7701	1	128	1317	1305	ODA	1
S40573.H	19-APR-94	18:28:58	7701	2	128	1317	1305	ODA	1
S40574.H	19-APR-94	18:30:30	7701	3	128	1317	1305	ODA	1
S40575.H	19-APR-94	18:32:03	0	1	128	1317	1305	ODA	0
S40576.H	19-APR-94	18:33:14	0	2	128	1317	1305	ODA	0
S40577.H	19-APR-94	18:34:23	0	3	128	1317	1305	ODA	0
S40578.H	19-APR-94	18:36:37	0	1	128	1314	1305	ODA	0
S40579.H	19-APR-94	18:37:47	0	2	128	1314	1305	ODA	0
S40580.H	19-APR-94	18:38:57	0	3	128	1314	1305	ODA	0
S40581.H	20-APR-94	14:57:56	7701	1	128	1296	1305	ODA	1
S40582.H	20-APR-94	14:59:26	7701	2	128	1296	1305	ODA	1
S40583.H	20-APR-94	15:01:03	7701	3	128	1296	1305	ODA	1
S40584.H	20-APR-94	15:02:58	7701	1	128	1305	1305	ODA	1
S40585.H	20-APR-94	15:03:46	7701	1	2	1305	1305	ODA	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40586.H	20-APR-94	15:06:30	7701	1	128	1314	1305	ODA	1
S40587.H	20-APR-94	15:08:01	7701	2	128	1314	1305	ODA	1
S40588.H	20-APR-94	15:09:36	7701	3	128	1314	1305	ODA	1
S40589.H	20-APR-94	15:11:10	7701	1	128	1314	1305	ODA	1
S40590.H	20-APR-94	15:12:42	7701	2	128	1314	1305	ODA	1
S40591.H	20-APR-94	15:14:17	7701	3	128	1314	1305	ODA	1
S40592.H	20-APR-94	15:18:35	7701	1	128	1317	1305	ODA	1
S40593.H	20-APR-94	15:20:07	7701	2	128	1317	1305	ODA	1
S40594.H	20-APR-94	15:21:41	7701	3	128	1317	1305	ODA	1
S40595.H	20-APR-94	15:23:15	7701	1	128	1317	1305	ODA	1
S40596.H	20-APR-94	15:26:57	7701	2	128	1317	1305	ODA	1
S40597.H	20-APR-94	15:28:35	7701	3	128	1317	1305	ODA	1
S40598.H	20-APR-94	15:40:37	7702	1	128	1295	1305	ODA	1
S40599.H	20-APR-94	15:42:11	7702	2	128	1295	1305	ODA	1
S40600.H	20-APR-94	15:43:47	7702	3	128	1295	1305	ODA	1
S40601.H	20-APR-94	15:45:53	7702	1	128	1305	1305	ODA	1
S40602.H	20-APR-94	15:46:43	7702	1	2	1305	1305	ODA	1
S40603.H	20-APR-94	15:49:00	7702	1	128	1313	1305	ODA	1
S40604.H	20-APR-94	15:50:33	7702	2	128	1313	1305	ODA	1
S40605.H	20-APR-94	15:52:08	7702	3	128	1313	1305	ODA	1
S40606.H	20-APR-94	15:54:16	0	1	128	1313	1305	ODA	0
S40607.H	20-APR-94	15:55:38	0	2	128	1313	1305	ODA	0
S40608.H	20-APR-94	15:57:01	0	3	128	1313	1305	ODA	0
S40609.H	20-APR-94	16:01:51	0	1	128	1317	1305	ODA	0
S40610.H	20-APR-94	16:03:23	0	2	128	1317	1305	ODA	0
S40611.H	20-APR-94	16:05:01	0	3	128	1317	1305	ODA	0
S40612.H	20-APR-94	16:06:28	0	3	128	1317	1305	ODA	0
S40613.H	20-APR-94	19:11:23	7701	1	128	1295	1305	ODA	1
S40614.H	20-APR-94	19:12:56	7701	2	128	1295	1305	ODA	1
S40615.H	20-APR-94	19:14:27	7701	3	128	1295	1305	ODA	1
S40616.H	20-APR-94	19:16:24	7701	1	128	1305	1305	ODA	1
S40617.H	20-APR-94	19:18:40	7701	1	128	1314	1305	ODA	1
S40618.H	20-APR-94	19:20:12	7701	2	128	1314	1305	ODA	1
S40619.H	20-APR-94	19:21:44	7701	3	128	1314	1305	ODA	1
S40620.H	20-APR-94	19:23:28	7701	1	128	1314	1305	ODA	1
S40621.H	20-APR-94	19:24:59	7701	2	128	1314	1305	ODA	1
S40622.H	20-APR-94	19:26:33	7701	3	128	1314	1305	ODA	1
S40623.H	20-APR-94	19:28:40	7701	1	128	1317	1305	ODA	1
S40624.H	20-APR-94	19:30:12	7701	2	128	1317	1305	ODA	1
S40625.H	20-APR-94	19:31:44	7701	3	128	1317	1305	ODA	1
S40626.H	20-APR-94	19:38:01	7702	1	128	1295	1305	ODA	1
S40627.H	20-APR-94	19:39:30	7702	2	128	1295	1305	ODA	1
S40628.H	20-APR-94	19:41:05	7702	3	128	1295	1305	ODA	1
S40629.H	20-APR-94	19:43:18	7702	1	128	1314	1305	ODA	1
S40630.H	20-APR-94	19:44:48	7702	2	128	1314	1305	ODA	1
S40631.H	20-APR-94	19:46:18	7702	3	128	1314	1305	ODA	1
S40632.H	20-APR-94	19:48:23	0	1	128	1314	1305	ODA	0
S40633.H	20-APR-94	19:49:33	0	2	128	1314	1305	ODA	0
S40634.H	20-APR-94	19:50:43	0	3	128	1314	1305	ODA	0
S40635.H	20-APR-94	19:52:22	0	1	128	1317	1305	ODA	0

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40636.H	20-APR-94	19:53:31	0	2	128	1317	1305	ODA	0
S40637.H	20-APR-94	19:54:39	0	3	128	1317	1305	ODA	0
S40638.H	20-APR-94	19:55:54	0	3	128	1317	1305	ODA	0
S40639.H	21-APR-94	14:07:17	7701	1	128	1294	1303	ODA	1
S40640.H	21-APR-94	14:08:48	7701	2	128	1294	1303	ODA	1
S40641.H	21-APR-94	14:10:21	7701	3	128	1294	1303	ODA	1
S40642.H	21-APR-94	14:12:45	7701	1	128	1303	1303	ODA	1
S40643.H	21-APR-94	14:13:35	7701	1	2	1303	1303	ODA	1
S40644.H	21-APR-94	14:16:14	7701	1	128	1311	1303	ODA	1
S40645.H	21-APR-94	14:17:47	7701	2	128	1311	1303	ODA	1
S40646.H	21-APR-94	14:19:21	7701	3	128	1311	1303	ODA	1
S40647.H	21-APR-94	14:21:08	7701	1	128	1312	1303	ODA	1
S40648.H	21-APR-94	14:22:48	7701	2	128	1312	1303	ODA	1
S40649.H	21-APR-94	14:24:20	7701	3	128	1312	1303	ODA	1
S40650.H	21-APR-94	14:26:33	7701	1	128	1315	1303	ODA	1
S40651.H	21-APR-94	14:28:14	7701	2	128	1315	1303	ODA	1
S40652.H	21-APR-94	14:29:54	7701	3	128	1315	1303	ODA	1
S40653.H	21-APR-94	14:31:33	7701	1	128	1315	1303	ODA	1
S40654.H	21-APR-94	14:33:05	7701	2	128	1315	1303	ODA	1
S40655.H	21-APR-94	14:34:41	7701	3	128	1315	1303	ODA	1
S40656.H	21-APR-94	14:41:51	7703	1	128	1295	1304	ODA	1
S40657.H	21-APR-94	14:43:24	7703	2	128	1295	1304	ODA	1
S40658.H	21-APR-94	14:45:05	7703	3	128	1295	1304	ODA	1
S40659.H	21-APR-94	14:47:14	7703	1	128	1303	1304	ODA	1
S40660.H	21-APR-94	14:48:07	7703	1	2	1303	1304	ODA	1
S40661.H	21-APR-94	14:50:34	7703	1	128	1313	1304	ODA	1
S40662.H	21-APR-94	14:52:09	7703	2	128	1313	1304	ODA	1
S40663.H	21-APR-94	14:53:45	7703	3	128	1313	1304	ODA	1
S40664.H	21-APR-94	14:55:47	7703	1	128	1313	1304	ODA	1
S40665.H	21-APR-94	14:57:25	7703	2	128	1313	1304	ODA	1
S40666.H	21-APR-94	14:59:00	7703	3	128	1313	1304	ODA	1
S40667.H	21-APR-94	15:05:21	7703	1	128	1316	1304	ODA	1
S40668.H	21-APR-94	15:06:56	7703	2	128	1316	1304	ODA	1
S40669.H	21-APR-94	15:08:29	7703	3	128	1316	1304	ODA	1
S40670.H	21-APR-94	15:10:06	7703	1	128	1316	1304	ODA	1
S40671.H	21-APR-94	15:11:44	7703	2	128	1316	1304	ODA	1
S40672.H	21-APR-94	15:13:13	7703	3	128	1316	1304	ODA	1
S40673.H	21-APR-94	15:15:02	0	1	128	1316	1304	ODA	0
S40674.H	21-APR-94	15:16:13	0	2	128	1316	1304	ODA	0
S40675.H	21-APR-94	15:17:35	0	3	128	1316	1304	ODA	0
S40676.H	21-APR-94	15:19:18	0	1	128	1313	1304	ODA	0
S40677.H	21-APR-94	15:20:28	0	2	128	1313	1304	ODA	0
S40678.H	21-APR-94	15:21:38	0	3	128	1313	1304	ODA	0
S40679.H	21-APR-94	15:23:13	0	3	128	1313	1304	ODA	0
S40680.H	21-APR-94	16:24:23	7703	1	128	1311	1304	ODA	1
S40681.H	21-APR-94	16:26:06	7703	2	128	1311	1304	ODA	1
S40682.H	21-APR-94	16:27:37	7703	3	128	1311	1304	ODA	1
S40683.H	21-APR-94	16:29:20	7703	1	128	1311	1304	ODA	1
S40684.H	21-APR-94	16:30:54	7703	2	128	1311	1304	ODA	1
S40685.H	21-APR-94	16:32:25	7703	3	128	1311	1304	ODA	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40686.H	21-APR-94	16:35:10	7703	1	128	1295	1304	ODA	1
S40687.H	21-APR-94	16:36:44	7703	2	128	1295	1304	ODA	1
S40688.H	21-APR-94	16:38:16	7703	3	128	1295	1304	ODA	1
S40689.H	21-APR-94	16:40:18	7703	1	128	1301	1304	ODA	1
S40690.H	21-APR-94	16:42:16	7703	1	128	1313	1304	ODA	1
S40691.H	21-APR-94	16:43:50	7703	2	128	1313	1304	ODA	1
S40692.H	21-APR-94	16:45:25	7703	3	128	1313	1304	ODA	1
S40693.H	21-APR-94	16:52:02	7703	1	128	1316	1304	ODA	1
S40694.H	21-APR-94	16:53:22	7703	2	128	1316	1304	ODA	1
S40695.H	21-APR-94	16:54:46	7703	3	128	1316	1304	ODA	1
S40696.H	21-APR-94	18:34:08	7703	1	128	1316	1304	ODA	1
S40697.H	21-APR-94	18:35:56	7703	2	128	1316	1304	ODA	1
S40698.H	21-APR-94	18:37:29	7703	3	128	1316	1304	ODA	1
S40699.H	21-APR-94	18:40:34	7703	1	128	1294	1304	ODA	1
S40700.H	21-APR-94	18:42:10	7703	2	128	1294	1304	ODA	1
S40701.H	21-APR-94	18:43:43	7703	3	128	1294	1304	ODA	1
S40702.H	21-APR-94	18:45:53	7703	1	128	1313	1304	ODA	1
S40703.H	21-APR-94	18:47:17	7703	2	128	1313	1304	ODA	1
S40704.H	21-APR-94	18:48:54	7703	3	128	1313	1304	ODA	1
S40705.H	22-APR-94	14:03:17	7705	1	128	1295	1304	ODA	1
S40706.H	22-APR-94	14:05:00	7705	2	128	1295	1304	ODA	1
S40707.H	22-APR-94	14:06:47	7705	3	128	1295	1304	ODA	1
S40708.H	22-APR-94	14:09:25	7705	1	128	1301	1304	ODA	1
S40709.H	22-APR-94	14:10:37	7705	1	2	1301	1304	ODA	1
S40710.H	22-APR-94	14:13:27	7705	1	128	1313	1304	ODA	1
S40711.H	22-APR-94	14:15:05	7705	2	128	1313	1304	ODA	1
S40712.H	22-APR-94	14:16:47	7705	3	128	1313	1304	ODA	1
S40713.H	22-APR-94	14:18:35	7705	1	128	1313	1304	ODA	1
S40714.H	22-APR-94	14:20:09	7705	2	128	1313	1304	ODA	1
S40715.H	22-APR-94	14:21:47	7705	3	128	1313	1304	ODA	1
S40716.H	22-APR-94	14:24:36	7705	1	128	1316	1304	ODA	1
S40717.H	22-APR-94	14:26:11	7705	2	128	1316	1304	ODA	1
S40718.H	22-APR-94	14:27:51	7705	3	128	1316	1304	ODA	1
S40719.H	22-APR-94	14:29:29	7705	1	128	1316	1304	ODA	1
S40720.H	22-APR-94	14:31:18	7705	2	128	1316	1304	ODA	1
S40721.H	22-APR-94	14:32:55	7705	3	128	1316	1304	ODA	1
S40722.H	22-APR-94	14:40:29	7701	1	128	1296	1305	ODA	1
S40723.H	22-APR-94	14:47:43	7701	1	128	1296	1305	ODA	1
S40724.H	22-APR-94	14:49:24	7701	2	128	1296	1305	ODA	1
S40725.H	22-APR-94	14:51:03	7701	3	128	1296	1305	ODA	1
S40726.H	22-APR-94	14:53:30	7701	1	128	1305	1305	ODA	1
S40727.H	22-APR-94	14:54:34	7701	1	2	1305	1305	ODA	1
S40728.H	22-APR-94	14:57:07	7701	1	128	1314	1305	ODA	1
S40729.H	22-APR-94	14:58:42	7701	2	128	1314	1305	ODA	1
S40730.H	22-APR-94	15:00:21	7701	3	128	1314	1305	ODA	1
S40731.H	22-APR-94	15:02:10	7701	1	128	1314	1305	ODA	1
S40732.H	22-APR-94	15:03:44	7701	2	128	1314	1305	ODA	1
S40733.H	22-APR-94	15:05:11	7701	3	128	1314	1305	ODA	1
S40734.H	22-APR-94	15:07:10	7701	1	128	1317	1305	ODA	1
S40735.H	22-APR-94	15:08:46	7701	2	128	1317	1305	ODA	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40736.H	22-APR-94	15:10:15	7701	3	128	1317	1305	ODA	1
S40737.H	22-APR-94	15:13:45	0	1	128	1313	1304	ODA	0
S40738.H	22-APR-94	15:15:06	0	2	128	1313	1304	ODA	0
S40739.H	22-APR-94	15:16:19	0	3	128	1313	1304	ODA	0
S40740.H	22-APR-94	15:17:59	0	1	128	1316	1304	ODA	0
S40741.H	22-APR-94	15:19:23	0	2	128	1316	1304	ODA	0
S40742.H	22-APR-94	15:20:42	0	3	128	1316	1304	ODA	0
S40743.H	22-APR-94	15:22:12	0	3	128	1316	1304	ODA	0
S40744.H	22-APR-94	15:27:50	7705	1	128	1313	1304	ODA	1
S40745.H	22-APR-94	15:29:28	7705	2	128	1313	1304	ODA	1
S40746.H	22-APR-94	15:31:03	7705	3	128	1313	1304	ODA	1
S40747.H	22-APR-94	15:33:46	7705	1	128	1295	1304	ODA	1
S40748.H	22-APR-94	15:35:32	7705	2	128	1295	1304	ODA	1
S40749.H	22-APR-94	15:37:10	7705	3	128	1295	1304	ODA	1
S40750.H	22-APR-94	18:10:13	7705	1	128	1295	1304	ODA	1
S40751.H	22-APR-94	18:11:45	7705	2	128	1295	1304	ODA	1
S40752.H	22-APR-94	18:13:19	7705	3	128	1295	1304	ODA	1
S40753.H	22-APR-94	18:15:19	7705	1	128	1303	1304	ODA	1
S40754.H	22-APR-94	18:16:07	7705	1	2	1303	1304	ODA	1
S40755.H	22-APR-94	18:18:45	7705	1	128	1313	1304	ODA	1
S40756.H	22-APR-94	18:20:18	7705	2	128	1313	1304	ODA	1
S40757.H	22-APR-94	18:21:52	7705	3	128	1313	1304	ODA	1
S40758.H	22-APR-94	18:23:34	7705	1	128	1313	1304	ODA	1
S40759.H	22-APR-94	18:25:07	7705	2	128	1313	1304	ODA	1
S40760.H	22-APR-94	18:26:43	7705	3	128	1313	1304	ODA	1
S40761.H	22-APR-94	18:29:48	7705	1	128	1316	1304	ODA	1
S40762.H	22-APR-94	18:31:20	7705	2	128	1316	1304	ODA	1
S40763.H	22-APR-94	18:32:54	7705	3	128	1316	1304	ODA	1
S40764.H	22-APR-94	18:34:31	7705	1	128	1316	1304	ODA	1
S40765.H	22-APR-94	18:35:55	7705	2	128	1316	1304	ODA	1
S40766.H	22-APR-94	18:37:28	7705	3	128	1316	1304	ODA	1
S40767.H	22-APR-94	18:42:09	7701	1	128	1295	1304	ODA	1
S40768.H	22-APR-94	18:43:42	7701	2	128	1295	1304	ODA	1
S40769.H	22-APR-94	18:45:17	7701	3	128	1295	1304	ODA	1
S40770.H	22-APR-94	18:47:08	7701	1	128	1304	1304	ODA	1
S40771.H	22-APR-94	18:47:53	7701	1	2	1304	1304	ODA	1
S40772.H	22-APR-94	18:49:55	7701	1	128	1313	1304	ODA	1
S40773.H	22-APR-94	18:51:33	7701	2	128	1313	1304	ODA	1
S40774.H	22-APR-94	18:53:08	7701	3	128	1313	1304	ODA	1
S40775.H	22-APR-94	18:54:58	7701	1	128	1315	1304	ODA	1
S40776.H	22-APR-94	18:56:23	7701	2	128	1315	1304	ODA	1
S40777.H	22-APR-94	18:57:56	7701	3	128	1315	1304	ODA	1
S40778.H	22-APR-94	19:01:06	0	1	128	1315	1304	ODA	0
S40779.H	22-APR-94	19:02:18	0	2	128	1315	1304	ODA	0
S40780.H	22-APR-94	19:03:30	0	3	128	1315	1304	ODA	0
S40781.H	22-APR-94	19:05:04	0	1	128	1313	1304	ODA	0
S40782.H	22-APR-94	19:06:16	0	2	128	1313	1304	ODA	0
S40783.H	22-APR-94	19:07:30	0	3	128	1313	1304	ODA	0
S40784.H	25-APR-94	14:01:39	7705	1	128	1294	1303	ODA	1
S40785.H	25-APR-94	14:03:23	7705	2	128	1294	1303	ODA	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40786.H	25-APR-94	14:05:03	7705	3	128	1294	1303	ODA	1
S40787.H	25-APR-94	14:08:32	7705	1	128	1303	1303	ODA	1
S40788.H	25-APR-94	14:10:40	7705	1	2	1303	1303	ODA	1
S40789.H	25-APR-94	14:13:00	7705	1	128	1312	1303	ODA	1
S40790.H	25-APR-94	14:14:46	7705	2	128	1312	1303	ODA	1
S40791.H	25-APR-94	14:16:28	7705	3	128	1312	1303	ODA	1
S40792.H	25-APR-94	14:18:31	7705	1	128	1312	1303	ODA	1
S40793.H	25-APR-94	14:20:13	7705	2	128	1312	1303	ODA	1
S40794.H	25-APR-94	14:21:56	7705	3	128	1312	1303	ODA	1
S40795.H	25-APR-94	14:23:58	7705	1	128	1305	1303	ODA	1
S40796.H	25-APR-94	14:25:43	7705	2	128	1305	1303	ODA	1
S40797.H	25-APR-94	14:27:24	7705	3	128	1305	1303	ODA	1
S40798.H	25-APR-94	14:29:30	7705	1	128	1305	1303	ODA	1
S40799.H	25-APR-94	14:31:09	7705	2	128	1305	1303	ODA	1
S40800.H	25-APR-94	14:32:51	7705	3	128	1305	1303	ODA	1
S40801.H	25-APR-94	14:37:49	0	1	128	1305	1303	ODA	0
S40802.H	25-APR-94	14:39:16	0	2	128	1305	1303	ODA	0
S40803.H	25-APR-94	14:40:52	0	3	128	1305	1303	ODA	0
S40804.H	25-APR-94	14:42:36	0	1	128	1303	1303	ODA	0
S40805.H	25-APR-94	14:44:05	0	2	128	1303	1303	ODA	0
S40806.H	25-APR-94	14:45:35	0	3	128	1303	1303	ODA	0
S40807.H	25-APR-94	14:47:26	0	3	128	1303	1303	ODA	0
S40808.H	28-APR-94	14:31:36	7707	1	128	1292	1301	ODA	1
S40809.H	28-APR-94	14:33:20	7707	2	128	1292	1301	ODA	1
S40810.H	28-APR-94	14:34:58	7707	3	128	1292	1301	ODA	1
S40811.H	28-APR-94	14:41:43	7707	1	128	1301	1301	ODA	1
S40812.H	28-APR-94	14:42:29	7707	1	2	1301	1301	ODA	1
S40813.H	28-APR-94	14:55:25	7707	1	128	1309	1301	ODA	1
S40814.H	28-APR-94	14:57:08	7707	2	128	1309	1301	ODA	1
S40815.H	28-APR-94	14:58:45	7707	3	128	1309	1301	ODA	1
S40816.H	28-APR-94	15:03:19	7707	1	128	1309	1301	ODA	1
S40817.H	28-APR-94	15:04:58	7707	2	128	1309	1301	ODA	1
S40818.H	28-APR-94	15:06:37	7707	3	128	1309	1301	ODA	1

MAGNETOGRAPH OBSERVATIONS

FILE-NAME	DATE	TIME	REGION	λP	ENH	FP	CF	TAPE	C.T.
S40819.H	02-MAY-94	13:55:40	7715	1	128	1311	1302	ODA	1
S40820.H	02-MAY-94	13:57:21	7715	2	128	1311	1302	ODA	1
S40821.H	02-MAY-94	13:59:05	7715	3	128	1311	1302	ODA	1
S40822.H	02-MAY-94	14:01:31	7715	1	128	1293	1302	ODA	1
S40823.H	02-MAY-94	14:03:11	7715	2	128	1293	1302	ODA	1
S40824.H	02-MAY-94	14:05:39	7715	3	128	1293	1302	ODA	1
S40825.H	02-MAY-94	14:08:28	7715	1	128	1302	1302	ODA	1
S40826.H	02-MAY-94	14:10:03	7715	1	2	1302	1302	ODA	1
S40827.H	02-MAY-94	14:13:09	7715	1	128	1311	1302	ODA	1
S40828.H	02-MAY-94	14:14:45	7715	2	128	1311	1302	ODA	1
S40829.H	02-MAY-94	14:16:13	7715	3	128	1311	1302	ODA	1
S40830.H	02-MAY-94	14:18:37	7715	1	128	1313	1302	ODA	1
S40831.H	02-MAY-94	14:20:12	7715	2	128	1313	1302	ODA	1
S40832.H	02-MAY-94	14:22:54	7715	3	128	1311	1302	ODA	1
S40833.H	02-MAY-94	14:34:39	7713	1	128	1315	1306	ODA	1
S40834.H	02-MAY-94	14:36:09	7713	2	128	1305	1306	ODA	1
S40835.H	02-MAY-94	14:37:44	7713	3	128	1305	1306	ODA	1
S40836.H	02-MAY-94	14:42:12	7713	1	128	1297	1306	ODA	1
S40837.H	02-MAY-94	14:43:42	7713	2	128	1297	1306	ODA	1
S40838.H	02-MAY-94	14:45:23	7713	3	128	1297	1306	ODA	1
S40839.H	02-MAY-94	14:47:23	7713	1	128	1306	1306	ODA	1
S40840.H	02-MAY-94	14:49:55	7713	1	128	1315	1306	ODA	1
S40841.H	02-MAY-94	14:51:27	7713	2	128	1315	1306	ODA	1
S40842.H	02-MAY-94	14:53:04	7713	3	128	1315	1306	ODA	1
S40843.H	02-MAY-94	14:54:42	7713	1	2	1306	1306	ODA	1

Appendix B

H-ALPHA OBSERVATIONS

H ALPHA OBSERVATIONS

DATE	DOY	REGION	TIME	FRAMES	ACTIVITY	TAPE
03-04-94	63	7682	1630-1659	0000- 0017	QUIET	ODA
03-07-94	66	7685	1636-1647	0018- 0024	"	"
			1702-1711	0025- 0030	"	"
			1900-1912	0035- 0043	"	"
			1915-1928	0044- 0052	"	"
03-10-94	69	7685	1851-1910	0053- 0064	"	"
03-15-94	74	7688	1856-1859	0103- 0105	"	"
03-16-94	75	7688	1634-1653	0115- 0127	"	"
			1708-1725	0131- 0135	"	"
			1938-2008	0136- 0154	"	"
03-17-94	76	7688	1452-1512	0155- 0167	"	"
			1535-1538	0172- 0174	"	"
		7692	1552-1606	0175- 0183	"	"
		7688	1854-1906	0184- 0191	"	"
03-22-94	81	7692	1620-1654	0195- 0208	"	"
03-25-94	84	7694	1456-1550	0212- 0227	"	"
			1602-1616	0232- 0241	"	"
			2001-2011	0242- 0248	"	"
			2018-2021	0252- 0254	"	"
03-29-94	88	7695	1443-1510	0255- 0268	"	"

H ALPHA OBSERVATIONS

DATE	DOY	REGION	TIME	FRAMES	ACTIVITY	TAPE
04-01-94	91	7695	1455-1511	0336- 0346	QUIET	ODA
04-11-94	101	7701	1346-1424	0350- 0369	"	"
			1441-1500	0377- 0385	"	"
04-13-94	103	7700	1513-1610	0386- 0402	"	"
			1941-1959	0410- 0420	"	"
04-14-94	104	7700	1345-1419	0421- 0440	"	"
			1919-1940	0448- 0460	"	"
04-18-94	108	7701	1350-1424	0461- 0478	"	"
			1452-1518	0486- 0499	"	"
			1920-1941	0500- 0513	"	"
04-19-94	109	7701	1350-1418	0520- 0536	"	"
			1543-1611	0544- 0562	"	"
			1810-1829	0563- 0574	"	"
04-20-94	110	7701	1456-1527	0581- 0597	"	"
		7702	1539-1550	0598- 0605	"	"
		7701	1910-1930	0613- 0625	"	"
		7702	1936-1944	0626- 0631	"	
04-21-94	111	7701	1405-1433	0639- 0655	"	"
		7703	1440-1511	0656- 0672	"	"
			1623-1653	0680- 0695	"	"
			1832-1847	0696- 0704	"	"
04-22-94	112	7705	1401-1431	0705- 0720	"	"
		7701	1439-1508	0722- 0736	"	"
		7705	1526-1535	0744- 0749	"	"
		7701	1808-1856	0750- 0777	"	"
04-25-94	115	7705	1400-1431	0784- 0800	"	"
04-28-94	118	7707	1429-1505	0808- 0818	"	"

H ALPHA OBSERVATIONS

DATE	DOY	REGION	TIME	FRAMES	ACTIVITY	TAPE
05-02-94	122	7715	1354-1420	0819- 0832	QUIET	ODA
		7713	1432-1454	0833- 0843	"	"

Appendix C

WHITE-LIGHT OBSERVATIONS

WHITE LIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
03-15-94	1930	1	CLEAR
03-16-94	1915	1	"
03-17-94	1545	1	"
03-29-94	1525	1	"

WHITE LIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
04-01-94	1425	1	CLEAR
04-10-94	1425	1	"
04-13-94	1400	1	"
04-14-94	1318	1	"
04-18-94	1315	1	"
04-20-94	1440	1	"
04-21-94	1330	1	"
04-22-94	1310	2	"
04-25-94	1320	2	"
04-28-94	1400	2	"

WHITE LIGHT OBSERVATIONS

DATE	TIME	EXPS	WEATHER
05-02-94	1330	1	CLEAR
05-17-94	1530	1	"
05-18-94	1500	1	"
05-19-94	2030	1	"
05-20-94	2055	1	"

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This report provides a description of the NASA Marshall Space Flight Center's Solar Vector Magnetograph Facility and gives a summary of its observations and data reduction during March-May 1994. The systems that make up the facility are a magnetograph telescope, an H-α telescope, a Questar telescope, and a computer code.

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