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Solar - Geophysical Data

NO. 488 APRIL 1985

Part II (Comprehensive Reports)

DATA FOR

OCTOBER 1984

DECEMBER 1982

Michael A. Chinnery, Director
NATIONAL GEOPHYSICAL DATA CENTER
BOULDER, COLORADO

International Standard Serial Number: 0038-0911

Library of Congress Catalog Number: 79-640375 //r81

For sale through the National Geophysical Data Center, NOAA/NESDIS, E/GC2, 325 Broadway, Boulder, Colorado 80303. Subscription Price for the U.S., Canada and Mexico: \$70.00 annually for both Part I (Prompt Reports) and Part II (Comprehensive Reports) or \$35.00 annually for either part. Annual supplement containing explanation is included. For foreign mailing \$90.00 for both parts or \$45.00 for either part. We now require prepayment for all orders. Please include with your request a check or money order payable in U.S. currency to the Department of Commerce, NOAA/NGDC. Any bank charges should be paid by the subscriber. Payment may be made through an American Express, Mastercard or VISA credit cards. Please include the correct name of credit card holder, card number and expiration date. Prices are subject to change. UNESCO coupons acceptable.

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3	Jan 58 - Dec 58	Microfilm	11	Jan 66 - Sep 66	Microfilm	19	Jul 70 - Dec 70	Microfilm
4	Jan 59 - Dec 59	Microfilm	12	Oct 66 - Dec 66	Microfilm	20	Jan 71 - Jun 71	Microfilm
5	Jan 60 - Dec 60	Microfilm	13	Jan 67 - Dec 67	Microfilm	21	Jul 71 - Dec 71	Microfilm
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S O L A R - G E O P H Y S I C A L D A T A

NUMBER 488

(Issued in Two Parts)

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Published with partial support from NASA (W-15,519) and NSF (ATM-8318491).

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*Solar radio noise bursts observed at Athens, Learmonth, Manila, Palehua and Sagamore Hill during Aug 1979 through Oct 1980 appear in SOLAR-GEOGRAPHICAL DATA, No. 461, Part II, pages 103-235.

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CARTE SYNOPTIQUE

ACTIVE REGIONS
CARRINGTON ROTATION 1754

(7 October to 3 November 1984)

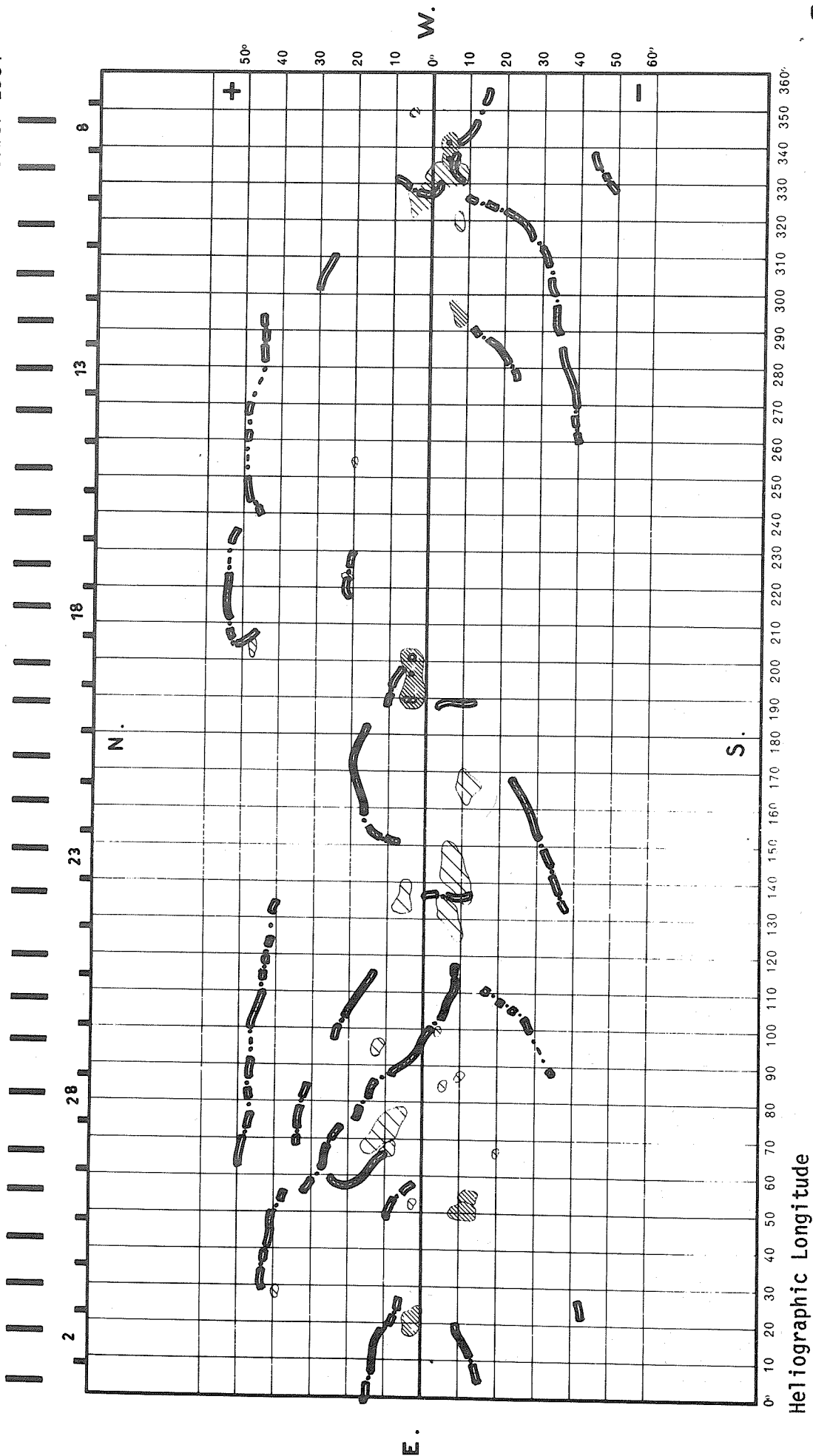
Region No.	Coordinates		Imp	Age at CMP (Days)		Spotless Region	Region No. In Rotation 1753	Activity at West Limb
	Lat.	Long.						
1	5°N	350	1	-4	x			stable
2	5°S	339	2	-2				decreasing
3	4°S	333	1	>6	x	1		dispersed
4	3°N	326	1	>6	x			dispersed
5	8°S	295	1	+1	x			disappeared
6	22°N	223	1	+5	x			disappeared
7	47°N	204	1	0	x			disappeared
8	4°N	196	4	+6				decreasing
9	13°N	95	1	-1	x			dispersed
10	10°N	67	1	-2	x			disappeared
11	12°S	54	1	+4	x			decreasing
12	10°S	50	1	-1	x			decreasing
13	3°N	20	1	+4	x			dispersed

CARTE SYNOPTIQUE

CARRINGTON ROTATION NUMBER 1754
(October 7 to November 3, 1984)

Meudon Observatory

October 1984



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Oct 84

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1984

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
03	245	LEAR	8 S	0708.3	0708.3	.2	4.0			QL=6 ST=2 TYP=3
	610	LEAR	8 S	0708.3	0708.3	.2	7.0			QL=6 ST=2 TYP=3
	410	LEAR	8 S	0708.3	0708.3	.2	4.0			QL=6 ST=2 TYP=3
	245	LEAR	4 S/F	0737.8	0738.0		26.0			QL=6 ST=2 TYP=3
	245	LEAR	8 S	0755.8	0756.3	.8	18.0			QL=6 ST=2 TYP=3
	410	LEAR	8 S	0755.8	0756.3	.7	7.0			QL=6 ST=2 TYP=3
	610	LEAR	8 S	0756.3	0756.3	.2	3.0			QL=6 ST=2 TYP=3
	245	LEAR	8 S	0914.0	0914.3	1.0	7.0			QL=6 ST=2 TYP=3
04	260	ONDR	40 F	1031.8	1034.0	3.0	4.0			
	204	IZMI	5 S	1050.8	1050.9	.2	86.0	43.0		
	536	ONDR	8 S	1206.8	1206.8	.2	7.0			
	500	HIRA	6 S	2231.0	2231.6	1.0	4.0	2.0		WL
06	430	TORN	8 S	1024.7	1024.7	.2	6.0			
	2800	OTTA	20 GRF	1235.0	1255.0	140.0	3.0	1.2		
	536	ONDR	8 S	1243.5	1243.6	.3	4.0			
	430	TORN	8 S	1317.5	1317.5	.2	7.0			
07	245	LEAR	8 S	0612.0	0612.1	.3	33.0			QL=3 ST=2 TYP=3
	410	LEAR	8 S	0612.0	0612.1	.3	15.0			QL=3 ST=2 TYP=3
	410	LEAR	8 S	0724.1	0724.1	.4	26.0			QL=1 ST=2 TYP=3
	245	LEAR	8 S	0724.1	0724.1	.4	11.0			QL=1 ST=2 TYP=3
	410	LEAR	8 S	0742.1	0742.1	.4	26.0			QL=1 ST=2 TYP=3
	245	LEAR	8 S	2252.1	2252.3	.4	17.0			QL=1 ST=2 TYP=3
08	245	LEAR	8 S	0510.8	0511.1	.3	11.0			QL=6 ST=2 TYP=3
	410	LEAR	8 S	0511.0	0511.1	.1	4.0			QL=6 ST=2 TYP=3
	245	LEAR	8 S	0533.8	0533.8	.3	6.0			QL=6 ST=2 TYP=3
	245	LEAR	8 S	0608.8	0608.8	.3	27.0			QL=1 ST=2 TYP=3
	410	LEAR	8 S	0608.8	0608.8	.2	10.0			QL=1 ST=2 TYP=3
	610	LEAR	8 S	0704.8	0705.1	.3	4.0			QL=6 ST=2 TYP=3
	245	LEAR	8 S	0705.0	0705.1	.1	26.0			QL=6 ST=2 TYP=3
	410	LEAR	8 S	0705.0	0705.1	.1	42.0			QL=6 ST=2 TYP=3
	204	IZMI	41 F	0745.0	0745.9	.9	85.0	40.0		
	410	LEAR	8 S	0830.1	0830.3	.5	21.0			QL=6 ST=2 TYP=3
	610	LEAR	8 S	0830.1	0830.3	.2	5.0			QL=6 ST=2 TYP=3
	245	LEAR	8 S	0830.1	0830.3	.4	43.0			QL=6 ST=2 TYP=3
	610	LEAR	8 S	0924.1	0924.3	.4	4.0			QL=6 ST=2 TYP=3
	245	LEAR	47 GB	0924.1	0924.3	.4	54.0			QL=6 ST=3 TYP=5
	410	LEAR	8 S	0924.1	0924.3	.4	19.0			QL=6 ST=3 TYP=3
	536	ONDR	8 S	1231.0	1231.5	1.0	20.0			
09	245	LEAR	8 S	0502.8	0503.0	.3	11.0			QL=1 ST=2 TYP=3
	410	LEAR	8 S	0502.8	0503.0	.3	5.0			QL=1 ST=2 TYP=3
	410	LEAR	47 GB	0645.1	0645.3	.5	72.0			QL=1 ST=2 TYP=5
	810	TORN	8 S	1111.5	1111.5	.2	13.0			
10	260	ONDR	46 C	0916.0	0917.0	2.0	10.0			
	2800	OTTA	8 S	1241.6	1241.7	.4	2.2	1.1		
	8800	ATHN	8 S	1257.0	1257.1	.6	38.0			QL=1 ST=2 TYP=3
11	260	ONDR	40 F	0959.5	1001.0	2.0	3.0			
	430	TORN	8 S	1323.0	1323.5	.8	7.0			
12	3000	IZMI	5 S	0608.0	0612.5	9.0	22.0	10.0		
	204	IZMI	8 S	0803.0	0803.1	.1	1000.0	900.0		
13	29	UPIC	1 S	1045.5	1045.7	.3				
	33	UPIC	1 S	1045.8	1045.9	.2				
	33	UPIC	2 S/F	1119.7	1119.9	.7				
	29	UPIC	1 S	1119.9	1120.1	.6				
	33	UPIC	45 C	1403.3	1405.2	2.7				
	29	UPIC	45 C	1403.5U	1405.3	2.2U				
14	33	UPIC	2 S/F	0616.6	0616.8	.8				
	29	UPIC	1 S	0616.7	0616.9	.6				
15	430	TORN	8 S	1115.0	1115.5	.8	15.0			
	810	TORN	8 S	1115.5	1115.5	.2	17.0			
	430	TORN	8 S	1131.5	1131.5	.4	12.0			

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

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OCTOBER 1984

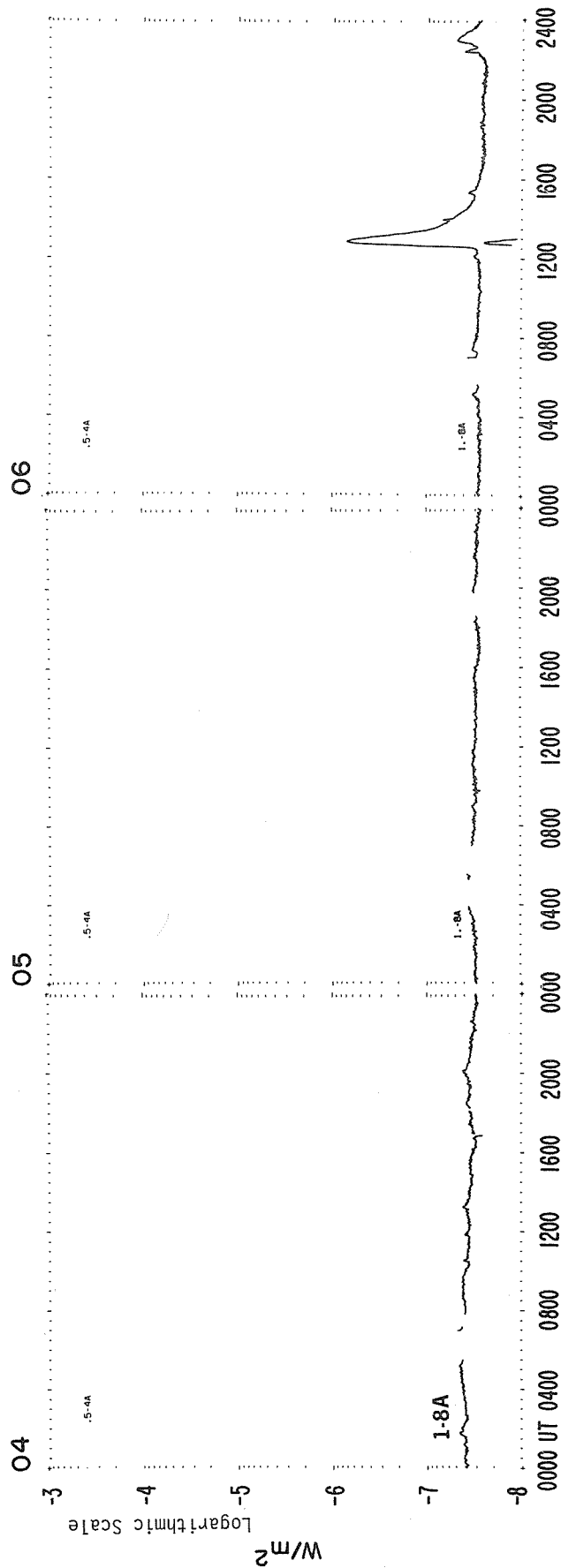
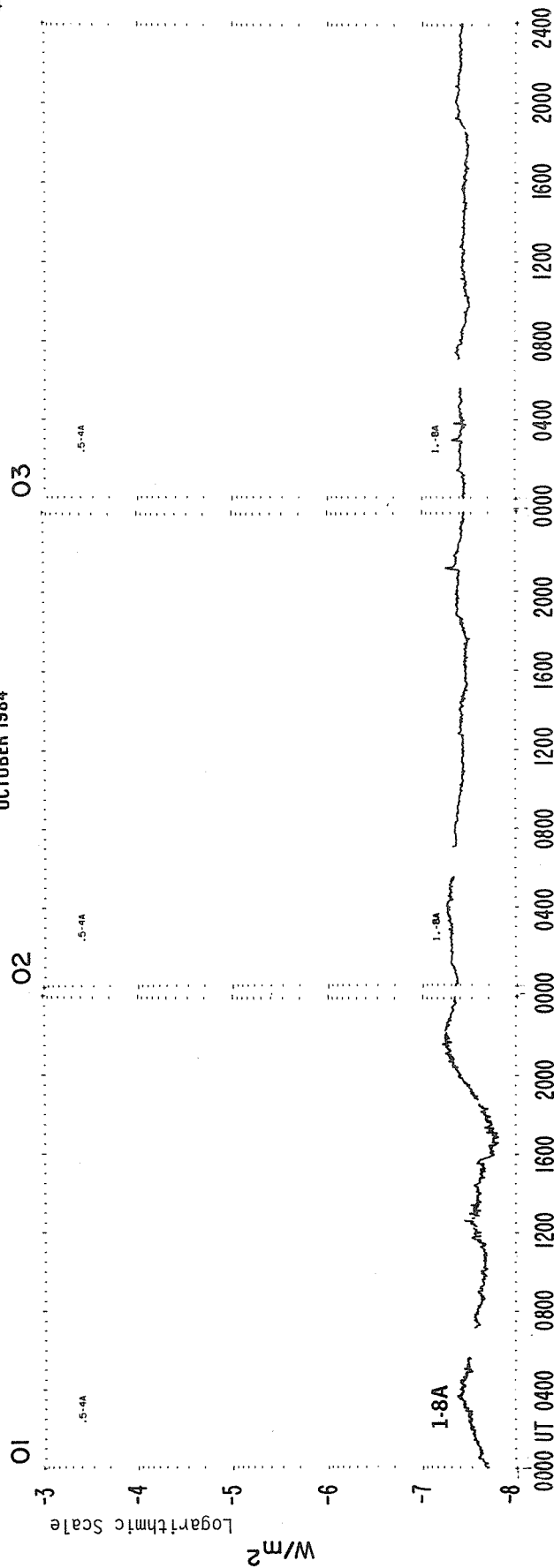
Day	Freq Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
						Peak (10 ⁻²² W/m ² Hz)	Mean (10 ⁻²² W/m ² Hz)		
17	260 ONDR	43 NS	1011.5	1200.0	145.0U	4.0			
	245 LEAR	8 S	0107.3	0107.3	.8	6.0			QL=6 ST=2 TYP=3
	237 TRST	41 F	1428.0	1443.0	27.0	50.0			WL
18	260 ONDR	44 NS	0754.0E	1113.0	346.0D	10.0			
	245 LEAR	43 NS	2205.0	2221.1	205.0	15.0			QL=6 ST=2 TYP=1
	410 LEAR	8 S	0027.1	0027.1	.2	40.0			QL=1 ST=2 TYP=3
	204 IZMI	41 F	1057.0	1057.2	3.8	150.0			
	237 TRST	46 C	1445.0	1453.0	13.0	95.0	20.0		WL
	245 LEAR	8 S	2216.8	2216.8	.2	26.0			QL=6 ST=2 TYP=3
19	245 LEAR	43 NS	0458.0	0523.6	314.0D	29.0			QL=6 ST=2 TYP=1
	260 ONDR	44 NS	0755.0E		482.0D	14.0			
	500 HIRA	8 S	0017.9	0017.9	.5	7.0			0
20	260 ONDR	43 NS	0953.0	1054.0	120.0	5.0			
	2000 TYKW	45 C	0420.0	0421.1	2.0	1.0	.3		
21	1000 TYKW	8 S	0159.4	0159.5	.3	3.0	1.0		
	3750 TYKW	20 GRF	0215.0U	0250.0U	90.0U	4.0	2.0U		INTERFERENCE
	2840 PEKG	20 GRF	0221.0	0246.5	43.0	14.2	6.2		
	2000 TYKW	21 GRF	0225.0	0300.0	180.0	4.0	2.0		
	1000 TYKW	21 GRF	0225.0	0320.0	180.0	1.5	.7		
	9400 TYKW	20 GRF	0230.0	0255.0	70.0	3.0	1.5		
	2000 TYKW	45 C	0233.0	0238.1	20.0	6.0	1.5		
	1000 TYKW	45 C	0233.0	0240.6	15.0	7.0	1.0		
	1415 LEAR	4 S/F	0234.6	0237.5	6.5	7.0			QL=6 ST=2 TYP=3
	610 LEAR	4 S/F	0234.6	0237.5	6.5	13.0			QL=6 ST=2 TYP=3
	500 HIRA	42 SER	0235.8	0237.5	2.5	3.0			WL
22	1000 TYKW	45 C	0412.8	0413.0	.5	15.0	4.0		
	33 UPIC	2 S/F	1205.5	1205.7	.6				
	29 UPIC	1 S	1205.6	1205.9	.7				
	29 UPIC	1 S	1309.2	1309.3	.3				
23	33 UPIC	1 S	1309.2	1309.4	.3				
	500 HIRA	6 S	0548.0	0548.5	1.0	5.0	2.0		WL
	33 UPIC	1 S	1318.1	1318.2	.3				
	29 UPIC	2 S/F	1318.3	1318.5	.5				
	33 UPIC	2 S/F	1404.0	1404.1	.4				
24	29 UPIC	1 S	1404.0	1404.1	.5				
	204 IZMI	43 NS	0800.0		240.0	15.0			
	260 ONDR	44 NS	0800.0E		360.0D	7.0			
	430 TORN	8 S	1059.5	1059.5	.2	6.0			
25	2800 OTTA	240 R	1700.0	1800.0	60.0	1.4	.7		
	245 LEAR	8 S	0330.8	0331.1	1.0	15.0			QL=6 ST=2 TYP=3
	610 LEAR	8 S	0401.8	0401.8	.3	16.0			QL=6 ST=3 TYP=3
	245 LEAR	47 GB	0401.8	0401.8	.3	130.0			QL=6 ST=3 TYP=5
	410 LEAR	8 S	0401.8	0401.8	.3	4.0			QL=6 ST=3 TYP=3
	245 LEAR	8 S	0856.1	0856.3	.2	22.0			QL=1 ST=2 TYP=3
27	410 LEAR	8 S	0856.1	0856.3	.2	46.0			QL=1 ST=2 TYP=3
	2695 PALE	47 GB	2255.1	2255.5		340.0			QL=3 ST=1 TYP=5

Reports are received routinely from the following observatories:

ATHN = Athens	HUAN = Huancayo	NAGO = Nagoya	POTS = Potsdam
BERN = Berne	IRKU = Irkutsk	NOBE = Nobeyama	SAOP = Sao Paulo
BORD = Bordeaux	IZMI = IZMIRAN	ONDR = Ondrejov	SGMR = Sagamore Hill
CRIM = Crimea	KISV = Kislovodsk	OTTA = Ottawa	TORN = Torun
DWIN = Dwingeloo	KRAK = Krakow	PALE = Palehua	TYKW = Toyokawa
GORK = Gorky	LEAR = Learmonth	PEKG = Peking	TRST = Trieste
HIRA = HiraIso	MANI = Manila	PENT = Penticton	UPIC = Upice
			VORO = Voroshilov

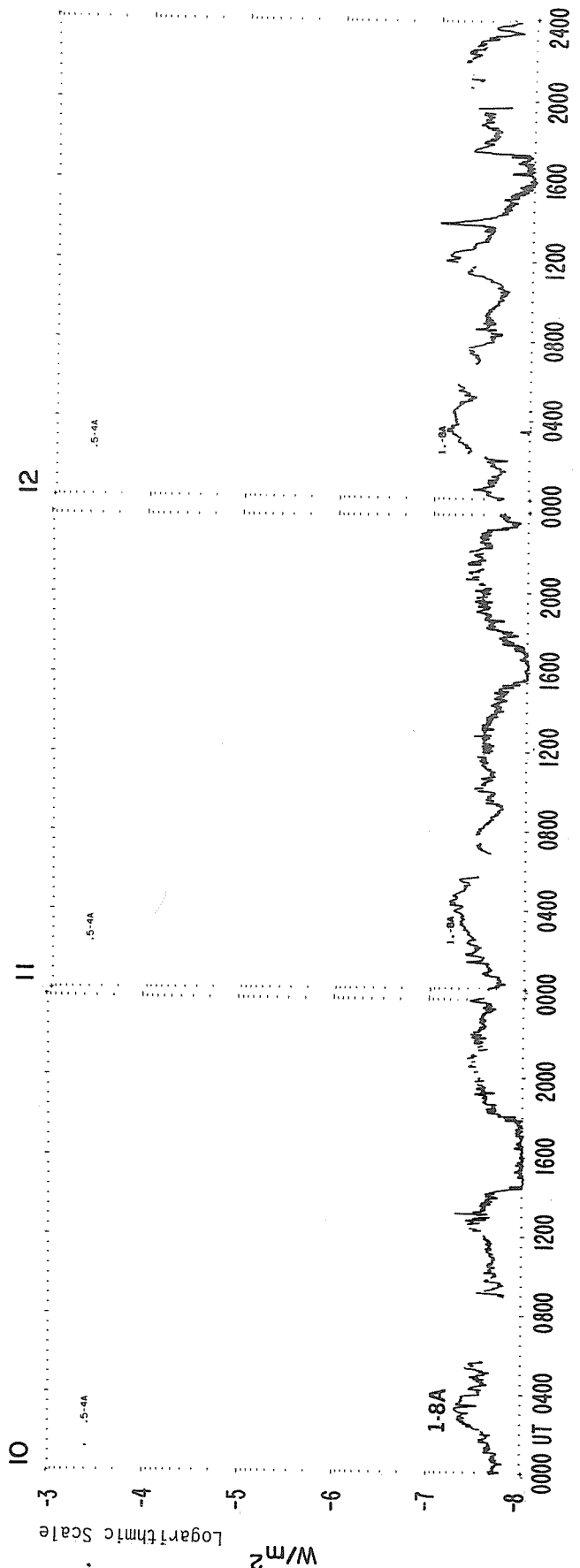
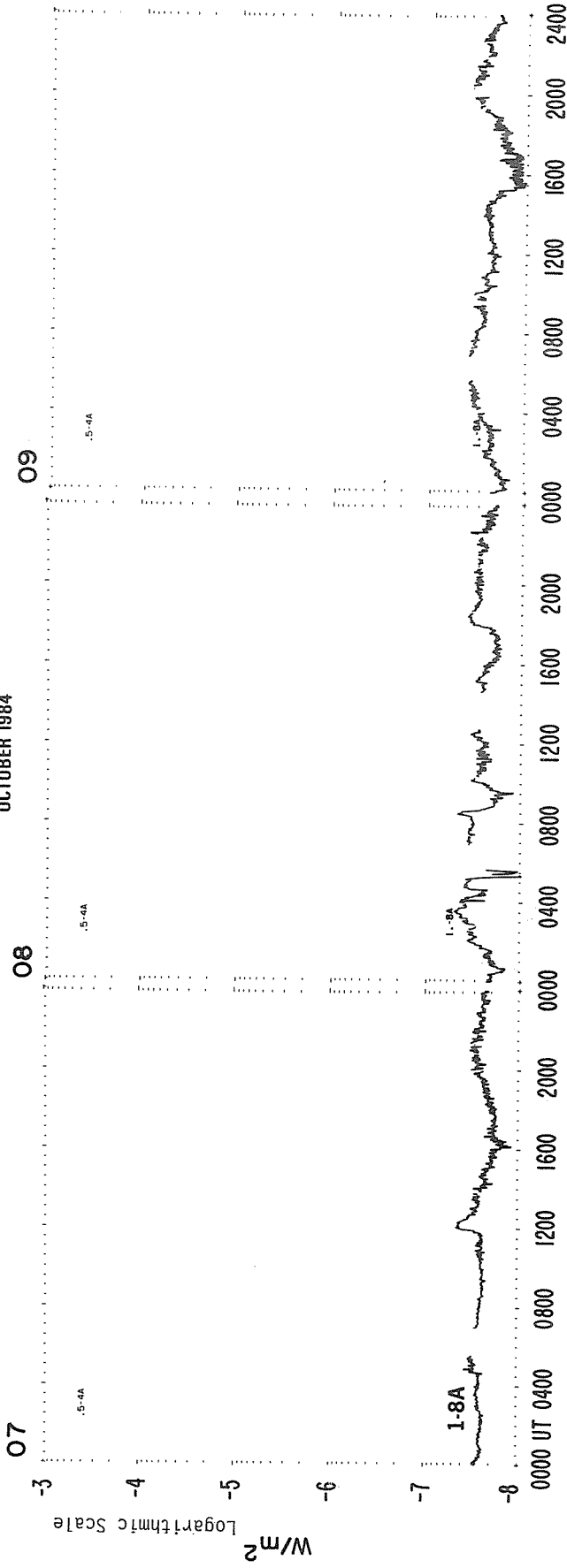
GOES 6 X-RAYS

OCTOBER 1984

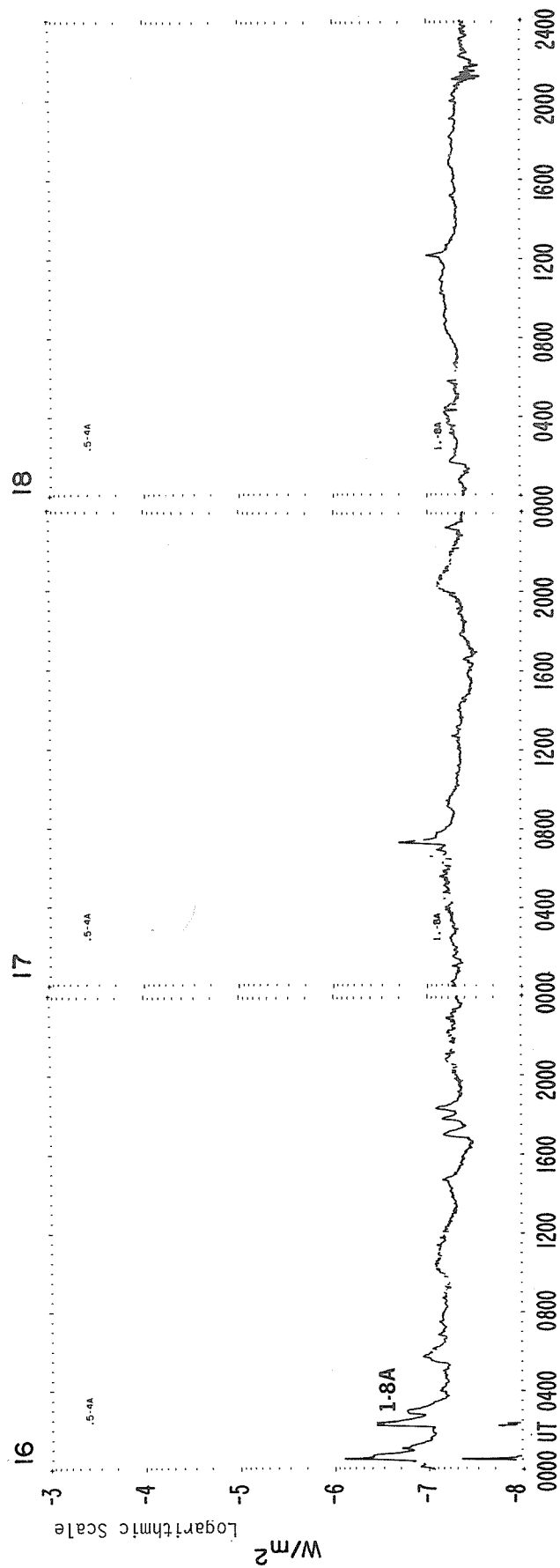
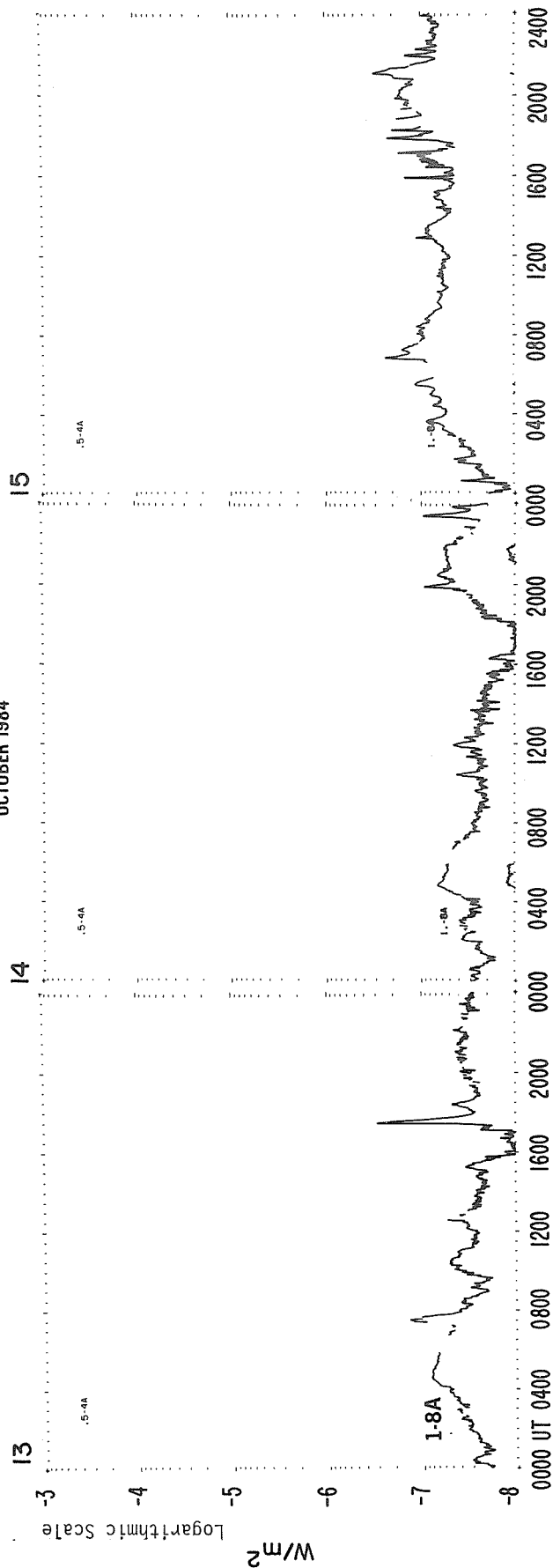


GOES 6 X-RAYS

OCTOBER 1984

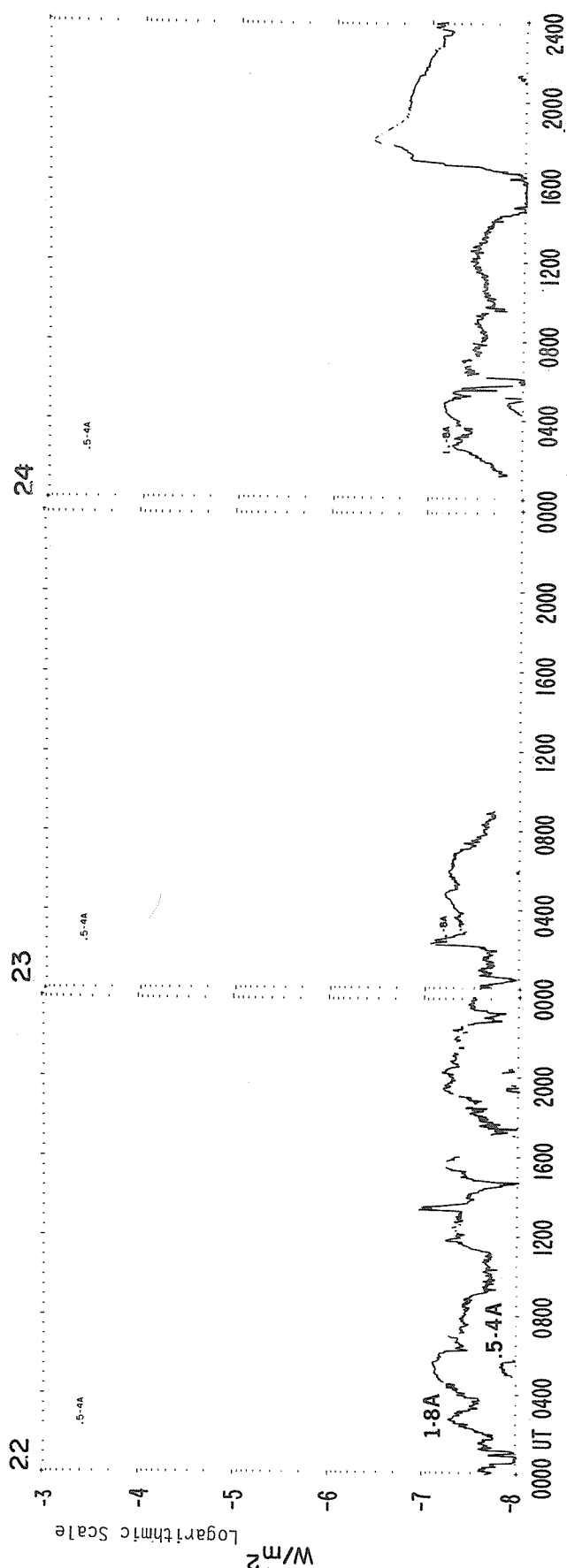
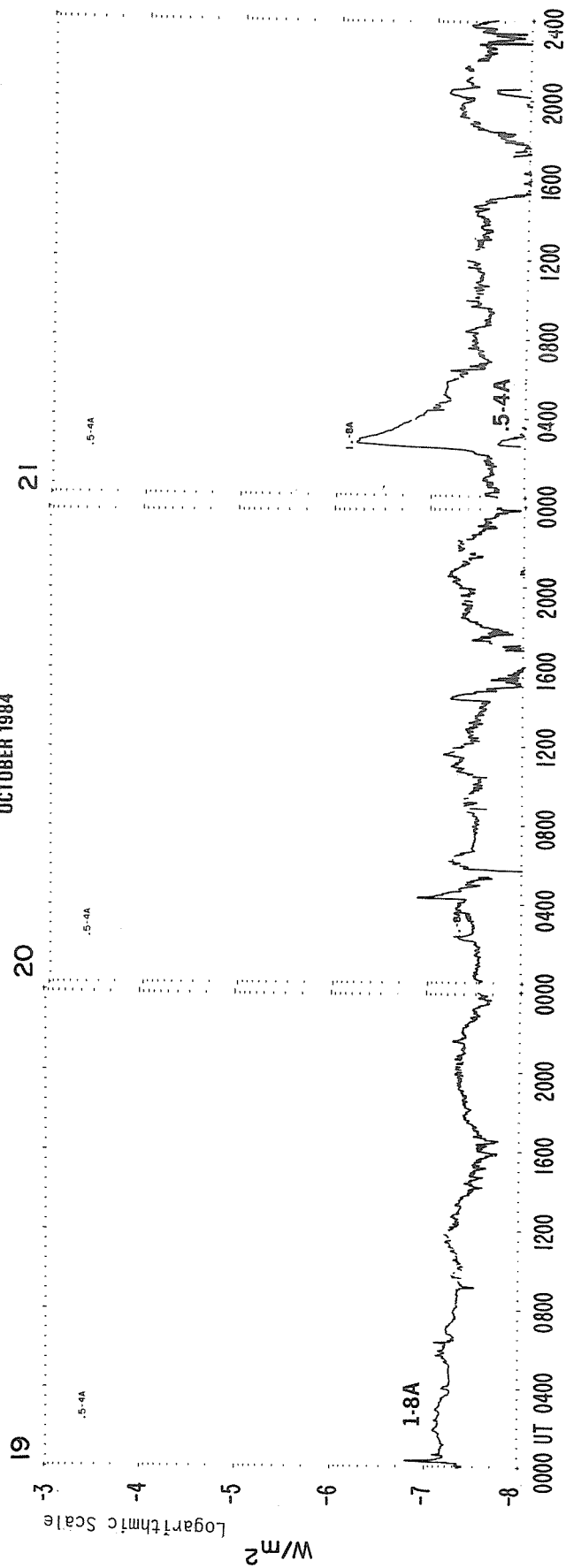


OCTOBER 1984

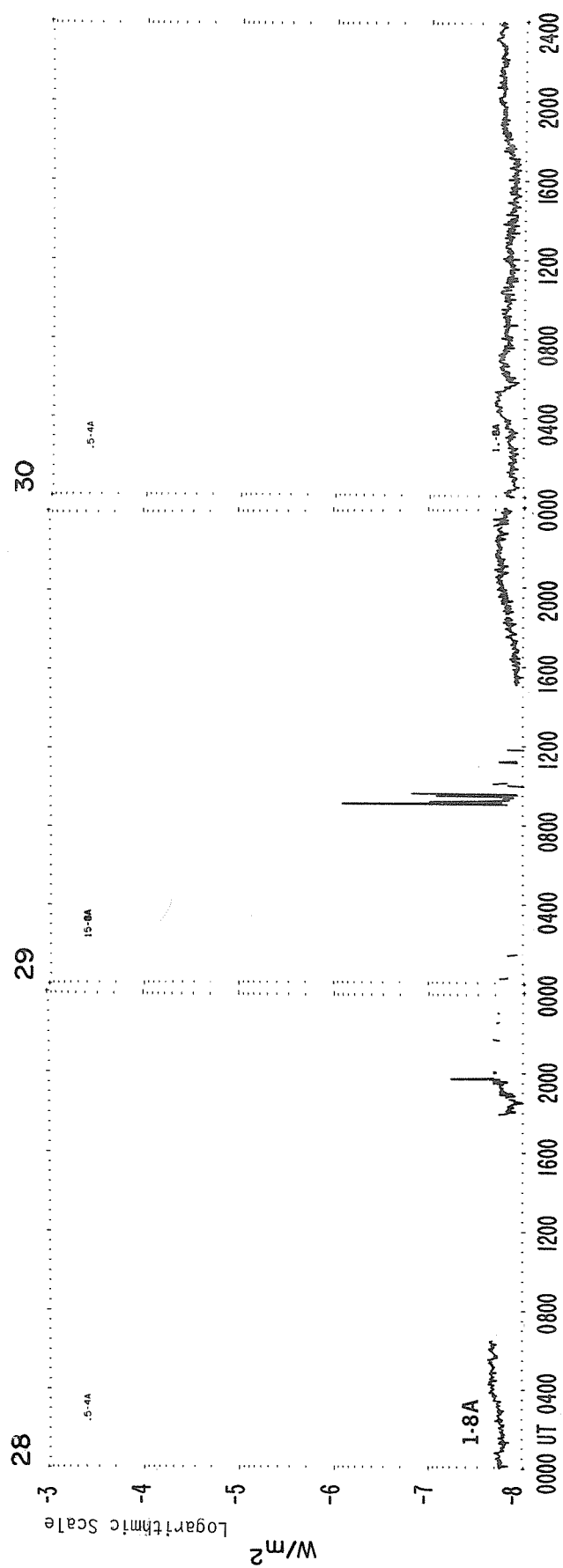
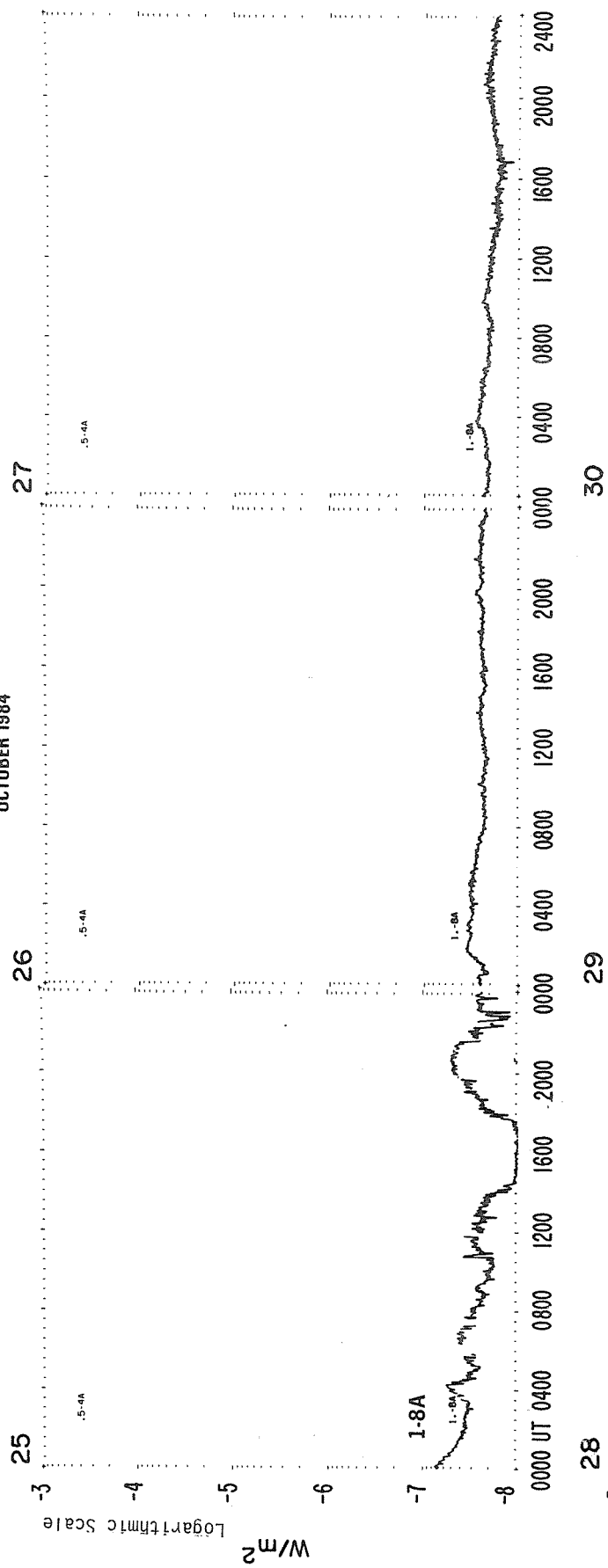


GOES 6 X-RAYS

OCTOBER 1984

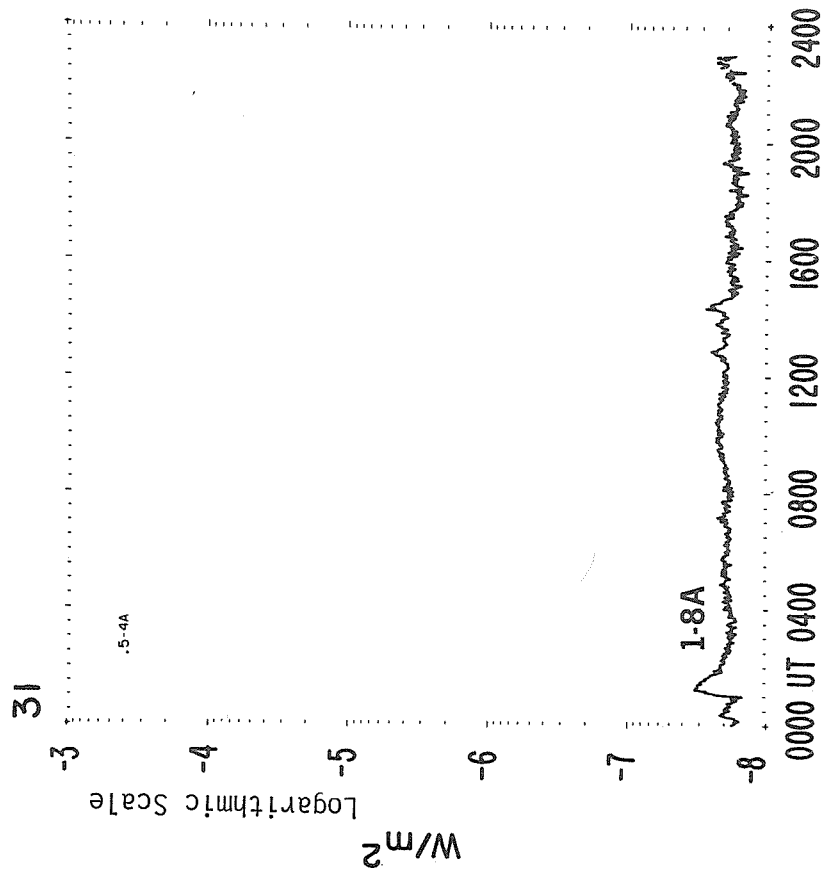


OCTOBER 1984



GOES 6 X-RAYS

OCTOBER 1984



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MASS EJECTIONS FROM THE SUN

OCTOBER 1984

Sta	Day	Observed UT			Location		Freq or Wavelength	Kind of Event
		Start	Max	End	RA°	R/R ₀		
KHAR	Oct 03	0924	E	0940	D 264	0.94	H-alpha	S
KHAR	Oct 03	0928	E	0945	D 266	1.00-1.03	H-alpha	S
KHAR	Oct 03	1035	E	1042	D 263	0.93	H-alpha	S
KHAR	Oct 03	1045	E	1103	D 264	0.94	H-alpha	S

QUALIFIERS ON START, MAX AND END TIMES

D = event ended after tabulated time
E = event began before the tabulated time
U = uncertain time

REPORTING STATION

KHAR = Kharkov

TYPE OF EVENT

A = eruptive active region prominence
CB = coronal cloud bubble
D = coronal depletions
E = coronal enhancement
EL = coronal expanding loop
II = Type II radio burst
IVm = moving Type IV radio burst
Q = eruptive quiescent prominence
R = coronal ray or streamer
S = flare-surge if there is a known flare association
SP = flare-spray if there is a known flare association
* = movement may be caused by ionospheric refraction

ACTIVE PROMINENCES AND FILAMENTS

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Oct 84

OCTOBER 1984

Type	Day	Observed UT Start End	Lat CMD	Imp	Obs Type	Sta	Remarks
APR	Oct 01	0655 1400	S15 E90		V	ATHN	
APR	Oct 01	0655 1400	S11 W90		V	ATHN	
SDF	Oct 01	1241E 1235D*	S29 W09	1	C	CATA	
SDF	Oct 01	1241E 1235D*	S36 W02	1	C	CATA	
APR	Oct 03	0907 1400	N14 W90		V	ATHN	
BSL	Oct 03	1120 1135	S78 W90	1-	C	CATA	
BSL	Oct 03	1120 1135	S81 W90	1-	C	CATA	
APR	Oct 03	1230 1400	S12 W90		V	ATHN	
APR	Oct 04	0600 1400	N12 W90		V	ATHN	
APR	Oct 04	0600 1400	S10 W90		V	ATHN	
APR	Oct 04	0600 1400	N04 E90		V	ATHN	
ASR	Oct 04	0710 0852	N14 W85		V	ATHN	
ASR	Oct 04	0710 1400	N35 W90		V	ATHN	
SDF	Oct 04	0855 0900	N05 W05		V	ATHN	
ASR	Oct 05	0715 1400	N10 W90		V	ATHN	
SDF	Oct 05	0735 2140	S08 E40	1	C	CULG	.06 R, Overnight.
ADF	Oct 07	0720 1400	N05 E34		V	ATHN	
ADF	Oct 07	0720 1400	S05 E32		V	ATHN	
ADF	Oct 07	0720 1400	N08 W44		V	ATHN	
APR	Oct 07	1115 1400	S24 W90		V	ATHN	
BSL	Oct 07	1140 1145D	S70 E90	1-	C	CATA	
ADF	Oct 08	0620 1400	S05 E15		V	ATHN	
APR	Oct 08	0745 1400	S22 W90		V	ATHN	
ADF	Oct 08	1240 1400	S05 E10		V	ATHN	
AFS	Oct 09	0609 1400	S05 W03		V	ATHN	
ADF	Oct 09	0650 1400	S05 E01		V	ATHN	
APR	Oct 09	0825 1400	N39 W90		V	ATHN	
APR	Oct 09	0825 1400	N26 W90		V	ATHN	
APR	Oct 10	0600 1400	N35 W90		V	ATHN	
ASR	Oct 10	0600 1400	N27 W90		V	ATHN	
ASR	Oct 10	0600 1200	N23 E90		V	ATHN	
DSD	Oct 10	0820 0920	S12 E27		V	ATHN	
APR	Oct 10	1200 1400	N19 E90		V	ATHN	
AFS	Oct 10	2352 0342	S03 W25		V	MANI	
AFS	Oct 10	2352 0342	S02 W28		V	MANI	
ASR	Oct 11	0915 1400	N55 E90		V	ATHN	
APR	Oct 11	0920 1400	N38 W90		V	ATHN	
AFS	Oct 11	2354 0537	S01 W41		V	MANI	
AFS	Oct 11	2354 0537	S05 W40		V	MANI	
AFS	Oct 11	2354 0537	S06 E05		V	MANI	
ADF	Oct 12	0730 1400	S06 E10		V	ATHN	
AFS	Oct 12	0730 1400	S10 E06		V	ATHN	
BSL	Oct 12	0815 0830	S25 W90	1-	C	CATA	
BSL	Oct 12	0820 0825	S73 W90	1-	C	CATA	
BSL	Oct 12	0825 0835	S89 E90	1-	C	CATA	
BSL	Oct 12	0925 0930D	N71 E90	1-	C	CATA	
BSL	Oct 12	1055 1110	N55 E90	1-	C	CATA	
EPL	Oct 13	0343 0411	N04 E88	1	C	CULG	.08 R.
BSL	Oct 13	1100E 1110	N44 E90	1-	C	CATA	
BSL	Oct 14	0800 0815	S83 W90	1-	C	CATA	
BSL	Oct 14	0940 0950	S75 W90	1-	C	CATA	
BSL	Oct 14	1005 1015	S75 W90	1-	C	CATA	
BSL	Oct 15	0740 0755	S02 E90	1-	C	CATA	
BSL	Oct 15	0830 0840	S05 E90	1-	C	CATA	
BSL	Oct 15	0940 0945	S09 E90	1-	C	CATA	
BSL	Oct 15	1030 1055	S14 W90	1-	C	CATA	
BSL	Oct 15	1125 1135	S08 E90	1-	C	CATA	
BSL	Oct 15	1210 1225	N24 E90	1-	C	CATA	
AFS	Oct 15	2351 0721	N04 E52		V	MANI	

* 1241 UT refers to September 30.

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Oct 84

ACTIVE PROMINENCES AND FILAMENTS

OCTOBER 1984

Type	Day	Observed UT		Lat CMD	Imp	Obs Type	Sta	Remarks
Start	End							
BSL	Oct 16	0755	0805	N20 E90	1-	C	CATA	
BSL	Oct 16	0810	0815D	S36 W90	1-	C	CATA	
BSL	Oct 16	0810	0815D	S85 E90	1-	C	CATA	
BSL	Oct 16	0850	0855D	S09 E90	1-	C	CATA	
BSL	Oct 16	1100	1105	N23 E90	1-	C	CATA	
BSL	Oct 16	1135	1140D	N75 W90	1-	C	CATA	
BSL	Oct 16	1155E	1205	S61 W90	1-	C	CATA	
APR	Oct 17	0014	0504	S15 E90	2	V	MANI	
APR	Oct 17	0014	0504	S23 W90	2	V	MANI	
AFS	Oct 17	0014	0504	N05 E39		V	MANI	
APR	Oct 17	0014	0504	N14 E90	2	V	MANI	
BSL	Oct 17	0800	0815	S83 E90	1-	C	CATA	
BSL	Oct 17	0825	0835	S78 E90	1-	C	CATA	
AFS	Oct 18	0055	0414	N04 E25		V	MANI	
DSD	Oct 18	0055	0414	N04 E18		V	MANI	
APR	Oct 18	0055	0414	N14 E90	2	V	MANI	
BSL	Oct 18	1050	1105	S62 E90	1-	C	CATA	
BSL	Oct 18	1150	1215	S64 W90	1-	C	CATA	
BSL	Oct 18	1155	1205	S43 W90	1-	C	CATA	
BSL	Oct 19	0810E	0820	S75 W90	1-	C	CATA	
AFS	Oct 19	1025	1400	N04 E13		V	ATHN	
SDF	Oct 19	1205E	0720D	S17 W35	1	C	CATA	
ASR	Oct 20	0600	1400	S10 E90		V	ATHN	
ADF	Oct 20	0802	1400	N05 W01		V	ATHN	
ADF	Oct 20	0829	1400	N03 W02		V	ATHN	
BSL	Oct 20	0925	0930	N72 W90	1-	C	CATA	
BSL	Oct 20	0930	0935	S78 E90	1-	C	CATA	
BSL	Oct 20	1225	1225D	S73 E90	1-	C	CATA	
BSL	Oct 21	1215	1220	S38 W90	1-	C	CATA	
BSL	Oct 21	1215	1225	S64 W90	1-	C	CATA	
BSL	Oct 21	1235	1240D	S14 W90	1-	C	CATA	
APR	Oct 22	0700	1010	N20 E90		V	ATHN	
BSL	Oct 22	0910	0920	S88 E90	1-	C	CATA	
APR	Oct 23	0740	0745	S15 W90		V	ATHN	
APR	Oct 23	0740	1150	N10 E90		V	ATHN	
ASR	Oct 23	0740	0930	S15 W90		V	ATHN	
BSL	Oct 23	0940	0950	N67 E90	1	C	CATA	
APR	Oct 26	0650	1400	S08 E90		V	ATHN	
AFS	Oct 26	0950	1400	N19 E11		V	ATHN	
BSL	Oct 26	1030	1035	S86 E90	1-	C	CATA	
BSL	Oct 26	1030	1035	S75 W90	1-	C	CATA	
BSL	Oct 26	1150	1150D	S84 W90	1-	C	CATA	
BSL	Oct 26	1150	1150D	N02 W90	1-	C	CATA	
BSL	Oct 26	1200E	1205D	N37 W90	1-	C	CATA	
BSL	Oct 26	1200E	1205D	N01 W90	1-	C	CATA	
APR	Oct 27	0602	1400	N09 E90		V	ATHN	
APR	Oct 27	0602	1400	S12 E90		V	ATHN	
AFS	Oct 27	0730	1115	N06 E33		V	ATHN	
APR	Oct 27	0830	1400	N20 W90		V	ATHN	
BSL	Oct 27	1045	1050	N82 W90	1-	C	CATA	
ADF	Oct 27	1230	1400	S09 W16		V	ATHN	
APR	Oct 28	0610	1400	N05 W90		V	ATHN	
ADF	Oct 28	0610	1400	N06 E90		V	ATHN	
BSL	Oct 28	0725	0730D	S64 E90	1-	C	CATA	
BSL	Oct 28	0935	0945	N01 W90	1-	C	CATA	
BSL	Oct 28	1000	1010	S49 W90	1-	C	CATA	
BSL	Oct 30	1215E	1235D	S86 W90	1-	C	CATA	
EPL	Oct 31	0200	0653D	S21 E90	2	C	CULG	Slowly left starting at south end, .3 R, N/S extent, .16 R radial extent.
DSD	Oct 31	0626	0647	N01 E22	1	C	CULG	.06 R, A.
EPL	Oct 31	0718	0827	S32 E90		V	ATHN	
EPL	Oct 31	0720E	0840D	S25 E90	3+	C	CATA	
BSL	Oct 31	1225E	1225D	N65 W90	1-	C	CATA	

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Comprehensive Reports

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Dec 82

H - ALPHA SOLAR FLARES

DECEMBER 1982

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0001	LEAR	01	0009	0013	0027	S14	E05	4007	12	1.4	18	SN	C 2.0	3	C		85		F
0002	PURP	01	0036E	0036	0036D	S17	E08	4007A	12	1.6	18D	SN			P	0036	7	.1	E
0003	LEAR	01	0144	0144	0148	S11	E20	4005	12	2.6	4	SF		3	C		38		
0004		01	0605	06066	0617	S20	E05	4007A	12	1.6	12	SF	C .9				64	.6	DF
	ABST	01	0601E	0606	0623D	S20	E05	4007A	12	1.6	22D	SF			P	0606	87	1.0	D
	LEAR	01	0605	0609	0616	S21	E04	4007A	12	1.6	11	SF	C .9	3	C		88		F
	YUNN	01	0605	0612U	0618	S19	E04	4007A	12	1.5	13	SF			P	0612	31	.3	
	PURP	01	0612E	0612	0616	S19	E07	4007A	12	1.8	4D	SF			P	0612	52	.6	
		01	1108		1109	No Flare Patrol													
		01	1116		1156	No Flare Patrol													
		01	1205		1214	No Flare Patrol													
0005		01	1224I	12257	1244	S12	E18	4005	12	2.9	20	SF	C 1.2				38	.4	F
	WEND	01	1224	1232	1238	S11	E17	4005	12	2.8	14	SF			C	1232	28	.3	
	RAMY	01	1225	1225	1251	S12	E17	4005	12	2.8	26	SN	C 1.2	3	C		47		F
	HTPR	01	1236E		1241D	S12	E20	4005	12	3.0	5D	SF			C	1237	40	.4	
		01	1445		1505	No Flare Patrol													
		01	1659		1711	No Flare Patrol													
		01	1902		2000	No Flare Patrol													
0006	RAMY	01	2023	2024	2040	S12	W10	4007	12	1.1	17	SF		3	C		22		
		01	2046		2237	No Flare Patrol													
0007	LEAR	01	2344	2351	2438	N07	E76	4014	12	7.7	54	SF		3	C				
0008	LEAR	02	0011	0011	0014	N15	E64	4012	12	6.8	3	SF	C 2.0	3	C		23		F
0009	PEKG	02	0018	0026	0054	N07	E76	4014	12	7.7	36	SF			C	0026	25		D
0010		02	0145	01476	0204	S09	E07	4005	12	2.6	19	SF					30		FK
	LEAR	02	0145	0147	0204	S09	E07	4005	12	2.6	19	SF		3	C		32		FK
	LEAR	02	0145	0153	0204	S09	E07	4005	12	2.6	19	SF		3	C		27		K
0011		02	0244	02507	0404	N11	E59	4012	12	6.5	80	SN					60		FHK
	LEAR	02	0244	0250	0404	N11	E59	4012	12	6.5	80	SF		3	C		45		K
	LEAR	02	0244	0257	0404	N11	E59	4012	12	6.5	80	SN		3	C		76		FHK
0012		02	0249*	03006	0325	S14	E06	4005	12	2.6	36	SN	C 2.1				50	.4	DF
	LEAR	02	0249	0300	0320	S14	E06	4005	12	2.6	31	SN	C 2.1	3	C		58		F
	PEKG	02	0300	0306	0330	S13	E06	4005	12	2.6	30	SF			C	0306	42	.4	D
0013	LEAR	02	0424	0425	0430	N16	E64	4012	12	7.0	6	SF		3	C		22		
0014	PURP	02	0458	0459	0505	S12	W15	4007	12	1.1	7	SF			C	0459	13	.1	E
0015	PURP	02	0505	0509	0520	N14	E63	4012	12	7.0	15	SN			C	0509	46	1.1	
0016		02	06135	06181	0629	N14	E62	4012	12	6.9	16	SF	C 2.0				68	1.8	EF
	PEKG	02	0613	0618	0635	N14	E62	4012	12	6.9	22	SF			P	0618	84	1.8	E
	LEAR	02	0618	0619	0623	N13	E62	4012	12	6.9	5	SF	C 2.0	3	C		53		F
0017		02	06421	0644*	0729	S15	W11	4007	12	1.4	47	SB	C 5.1				148	1.6	EF
	PEKG	02	0642	0644	0725	S15	W12	4007	12	1.4	43	1B			C	0644	197	2.2	E
	MANI	02	0642E	0645	0714D	S15	W11	4007	12	1.4	32D	SN		1	V		120	1.3	F
	LEAR	02	0642	0646	0726	S16	W11	4007	12	1.4	44	SN	C 5.1	3	C		133		F
	PURP	02	0643	0645	0737	S16	W11	4007	12	1.4	54	SB			C	0645	92	1.0	
	CATA	02	0715E	0715	0735D	S15	W10	4007	12	1.5	20D	1		2	P	0715	197	2.1	
		02	0946		1145	No Flare Patrol													
		02	1206		1219	No Flare Patrol													
0018	RAMY	02	1344	1352	1358	S18	W24	4009B	11	30.7	14	SF		3	C		23		

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks			
						Lat	CMD	Region									(10-6	Disk)					
0019	RAMY	02	1414E	1415	1514	N06	E67	4014	12	7.6	60D	SN		3	C		38						
0020	RAMY	02	1414	1414	1427	S14	E00	4005	12	2.6	13	SN		3	C		24						
0021	RAMY	02	1514	1518	1551	S07	W02	4005	12	2.5	37	SB C	2.7	3	C		158			EF			
0022	RAMY	02	1534	1601	1610	N07	E65	4014	12	7.5	36	SF		3	C		34						
		02	1637		1720	No Flare Patrol																	
0023	RAMY	02	1733	1745	1940	N14	E53	4012	12	6.7	127	1B M	1.3	3	C		164			EU			
0024		02	1806E	1807*	2235	N12	E50	4012	12	6.5	269D	2B					490			KSU			
	HOLL	02	1806E	1807	2235	N12	E50	4012	12	6.5	269D	2N		3	C		412			K			
	HOLL	02	1806E	2115	2235	N12	E50	4012	12	6.5	269D	2B		3	C		567			USK			
		02	2003		2007	No Flare Patrol																	
0025	HOLL	02	2107	2124	2133	S14	W04	4005	12	2.6	26	SF		3	C		33						
0026	HOLL	02	2236	2241	2331D	N06	E61	4014	12	7.5	55D	SF		3	C		22						
0027	HOLL	02	2237	2238	2249	N14	E52	4012	12	6.9	12	SN		3	C		45						
0028	HOLL	02	2257	2259	2309	N14	E51	4012	12	6.8	12	SN		3	C		69						
0029		02	2311I	2313	2339	S08	W06	4005	12	2.5	28	1F					147			F			
	HOLL	02	2311	2313	2313D	S08	W06	4005	12	2.5	2D	1F		3	C		206						
	LEAR	02	2312	2313	2339	S09	W07	4005	12	2.4	27	SF		3	C		88			F			
0030		03	0027*	0032*	0104	N16	E52	4012	12	7.0	37	SN					34						
	YUNN	03	0027	0032	0058	N16	E52	4012	12	7.0	31	SN			C		47			.6			
	PURP	03	0042	0046	0110	N15	E51	4012	12	6.9	28	SN			C	0046	20			.8 .3			
0031	VORO	03	0058	0114	0155	N14	E56	4012	12	7.3	57	1F			C	0114	215	3.8		CEHIJ			
0032		03	0059*	0115I	0201	N06	E61	4014	12	7.6	62	1B M	1.4				128	2.1		EFZ			
	YUNN	03	0059	0115	0137	N06	E61	4014	12	7.6	38	1B			C		126	2.7					
	PEKG	03	0103	0115	0130	N07	E59	4014	12	7.5	27	1N			C	0115	126	2.5		E			
	LEAR	03	0104	0116	0247	N05	E60	4014	12	7.5	103	1B M	1.4	3	C		208			ZF			
	PURP	03	0109	0115	0209	N07	E64	4014	12	7.8	60	SN			C	0115	52	1.2					
0033	LEAR	03	0233	0235	0241	S14	W06	4005	12	2.6	8	SF		3	C		52						
0034		03	0316	0324	0334	N06	E61	4014	12	7.7	18	SN					68	1.2		CDJ			
	YUNN	03	0251E	0300U	0320	N06	E59	4014	12	7.5	29D	SN			P	0300	63	1.2					
	VORO	03	0316	0324	0348	N07	E63	4014	12	7.8	32	SN			C	0324	72			CDJ			
0035		03	0303I	0303I	0322	S09	W07	4005	12	2.6	19	SF					131	1.5		CEFJ			
	LEAR	03	0303	0303	0325	S10	W07	4005	12	2.6	22	SF		3	C		101			F			
	VORO	03	0303	0304	0318	S08	W07	4005	12	2.6	15	1F			C	0304	251	2.6		CEJ			
	PURP	03	0304	0304	0323	S10	W06	4005	12	2.7	19	SF			C	0304	40	.4		E			
0036	PEKG	03	0413	0442	0456	N06	E60	4014	12	7.7	43	SN			C	0442	76	1.5		E			
0037	PEKG	03	0445	0456	0514	S08	W10	4005	12	2.4	29	SF			C	0456	21	.2		D			
0038		03	0545	0610	0630	N06	E59	4014	12	7.6	45	SN					65	1.2		E			
	YUNN	03	0541E	0542U	0553D	N06	E59	4014	12	7.6	12D	SB			P	0542	63	1.2					
	PEKG	03	0545	0610	0630	N07	E59	4014	12	7.6	45	SF			C	0610	67	1.3		E			
0039		03	06308	0638*	0704	S13	W28	4007	12	1.1	34	SN					58	.6		EF			
	PEKG	03	0630	0649	0705	S13	W29	4007	12	1.1	35	SF			C	0649	55	.6		E			
	LEAR	03	0638	0638	0704	S13	W28	4007	12	1.2	26	SN		3	C		61			F			
0040	LEAR	03	0744	0749	0804	N11	E48	4012	12	6.9	20	SN C	1.9	3	C		46			F			
0041		03	0859I	09055	0951	N07	E56	4014	12	7.6	52	1B M	1.3				143	2.1		EFZ			
	WEND	03	0859	0910	1017	N08	E56	4014	12	7.6	78	1B			C	0910	206	3.8		Z			
	LEAR	03	0900	0905	0925	N06	E55	4014	12	7.5	25	1B M	1.3	3	C		216			FE			
	HTPR	03	0905E		0906D	N07	E55	4014	12	7.5	1D	SB			C	0905	100	1.7		E			
	HTPR	03	1002E		1015D	N08	E57	4014	12	7.7	13D	SF			C	1007	50	.9		E			

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																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)				
0042	WEND	03	0908	0912	0922	S13	W09	4005	12	2.7	14	SF		C	0912	25	.3				
0043		03	1219*	1238*	1304	S19	W24	4007A	12	1.7	45	SF				80	.9	EL			
	RAMY	03	1219	1250	1537D	S21	W24	4007A	12	1.7	198D	SN	3	C		77					
	HTPR	03	1221E		1245	S18	W26	4007A	12	1.5	24D	SF		C	1225	80	.9	E			
	WEND	03	1222	1238	1246D	S18	W25	4007A	12	1.6	24D	SF		C	1238	106	1.3	L			
	HTPR	03	1239	1252	1335	S20	W26	4007A	12	1.5	56	SF		C	1252	80	.9	E			
	HTPR	03	1245	1248	1251	S20	W20	4007A	12	2.0	6	SF		C	1248	60	.6				
0044	RAMY	03	1223	1246	1259	N06	E55	4014	12	7.6	36	SF		3	C		30				
0045		03	1411	1415	1431	S13	W14	4005	12	2.5	20	SN	C	1.4			23	.2			
	HTPR	03	1411		1417D	S14	W14	4005	12	2.5	6D	SF		C	1416	20	.2				
	RAMY	03	1414E	1415	1431	S12	W13	4005	12	2.6	17D	SN	C	1.4	3	C	26				
0046	HOLL	03	1449	1459	1512	S17	W27	4007A	12	1.6	23	SF		3	C		100		F		
		03	1659		1705	No Flare Patrol															
		03	1717		1733	No Flare Patrol															
0047	HOLL	03	1749	1750U	1750D	S11	W13	4005	12	2.8	1D	SF		3	C		38				
		03	1751		1818	No Flare Patrol															
0048	RAMY	03	1831	1841	1852	N13	W07	4013	12	3.2	21	SF		3	C		31				
0049	RAMY	03	1850	1850	1858	S13	W15	4005	12	2.6	8	SN		3	C		24				
		03	1915		2203	No Flare Patrol															
0050		03	2204E	2207*	2245	N12	E37	4012	12	6.7	41D	SN				55		K			
	HOLL	03	2204E	2207	2245	N12	E37	4012	12	6.7	41D	SN	3	C		48		K			
	HOLL	03	2204E	2226	2245	N12	E37	4012	12	6.7	41D	SN	3	C		62		K			
0051		03	23001	2303	2322	N06	E50	4014	12	7.7	22	1B	M	1.2		158		EF			
	HOLL	03	2300	2303	2324	N05	E49	4014	12	7.6	24	1B	M	1.2	3	C	182		E		
	LEAR	03	2301	2303	2321	N06	E50	4014	12	7.7	20	SB		3	C	135		FE			
0052	LEAR	04	0024	0026	0037	N08	E37	4010B	12	6.8	13	SF		3	C		64		F		
0053		04	0103*	0125*	0248	S14	W34	4007	12	1.5	105	SN				104	1.2	EFK			
	LEAR	04	0103	0202	0401	S15	W35	4007	12	1.4	178	SF	3	C		131		F			
	YUNN	04	0115	0125	0140	S14	W33	4007	12	1.5	25	SB		C		47	.6				
	PEKG	04	0115E	0125U	0245	S15	W35	4007	12	1.4	90D	SN		P	0125	113	1.5	EK			
	PEKG	04	0115E	0138U	0245	S14	W35	4007	12	1.4	90D	SN		C	0138	126	1.6	E			
0054	YUNN	04	0328E	0328U	0342	S16	W33	4007	12	1.6	14D	SF		P	0328	31	.4				
0055	LEAR	04	0333	0334	0343	S14	W20	4005	12	2.6	10	SF		3	C		32				
0056	LEAR	04	0346	0347	0358	N06	E44	4014	12	7.4	12	SF		3	C		43				
0057	LEAR	04	0526	0527	0556	S13	W21	4005	12	2.6	30	SF	C	2.9	3	C		77		F	
0058	LEAR	04	0528	0528	0535	N06	E46	4014	12	7.7	7	SN		3	C		43				
0059	LEAR	04	0606	0609	0631	N06	E42	4014	12	7.4	25	SN	C	2.5	3	C		93			
0060	LEAR	04	0653	0654	0716	N06	E42	4014	12	7.4	23	SF		3	C		38				
0061	LEAR	04	0757	0802	0845	S17	W38	4007	12	1.4	48	SN		3	C		67		F		
0062		04	09077	09161	0936	N07	E40	4014	12	7.4	29	1B	M	1.0		192	2.5	W			
	LEAR	04	0907	0916	0924D	N06	E39	4014	12	7.3	17D	1B	M	1.0	3	C	287				
	WEND	04	0911	0917	0940D	N07	E41	4014	12	7.4	29D	1B		C	0917	180	2.5				
	MONT	04	0914	0916	0936	N07	E39	4014	12	7.3	22	SN		C	0916	110		W			
0063	HTPR	04	0921E		0932D	N09	E52	4014	12	8.3	11D	SF		C	0930	20	.3				

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0064		04	10112	1021*	1048	N08	E43	4014	12	7.6	37	1N					161	3.0	E
	WEND	04	1011	1030	1057D	N08	E40	4014	12	7.4	46D	1N			C	1030	212	2.9	
	MONT	04	1013	1021	1021D	N07	E39	4014	12	7.3	8D	SN			C	1021	70		
	HTPR	04	1013	1042	1048	N09	E49	4014	12	8.1	35	1N			C	1042	200	3.1	E
0065	CATA	04	1100E	1100	1115D	S12	E90	4017	12	11.2	15D	1		2	P	1100	84		A
0066		04	11568	12043	1229	N14	E30	4012	12	6.8	33	1B					228	2.7	CEU
	WEND	04	1156	1204	1236	N12	E30	4012	12	6.7	40	1B			C	1204	250	3.0	
	LVOV	04	1156	1206	1214	N17	E34	4012	12	7.1	18	1N			C	1206	250	3.1	C
	HTPR	04	1156	1207	1237	N15	E33	4012	12	7.0	41	1B			C	1207	350	4.0	EU
	HTPR	04	1204	1206	1230	N13	E25	4012	12	6.4	26	SB			C	1206	60	.7	
0067	HTPR	04	1217	1228	1232	N09	E48	4014	12	8.1	15	SF			C	1228	20	.3	E
0068		04	12542	12553	1302	N10	E16	4010	12	5.7	8	SN					28	.3	
	WEND	04	1254	1255	1258	N09	E17	4010	12	5.8	4	SN			C	1255	25	.3	
	HTPR	04	1256	1258	1306	N10	E16	4010	12	5.7	10	SN			C	1258	30	.3	
0069		04	13592	14012	1411	N08	E42	4014	12	7.7	12	SN					46	.6	E
	WEND	04	1359	1401	1406	N07	E38	4014	12	7.4	7	SN			C	1401	31	.4	
	HTPR	04	1401	1403	1416	N09	E47	4014	12	8.1	15	SN			C	1403	60	.9	E
0070		04	1432*	1508	1604	S09	W26	4005	12	2.6	92	SF					72	.6	F
	HOLL	04	1432	1508	1604	S08	W28	4005	12	2.5	92	SF		3	C		94	.6	F
	HTPR	04	1504		1528D	S10	W25	4005	12	2.7	24D	SF			C	1510	50	.6	F
0071	HOLL	04	1451	1500	1523	S14	W41	4007	12	1.5	32	SF		3	C		121		F
0072	HOLL	04	1503	1508	1525	N08	E39	4014	12	7.5	22	SF		3	C		33		
0073		04	15594	1601*	1648	N07	E38	4014	12	7.5	49	SN					59		FK
	HOLL	04	1559	1601	1639	N06	E38	4014	12	7.5	40	SN		3	C		63		FK
	HOLL	04	1559	1631	1639	N06	E38	4014	12	7.5	40	SN		3	C		39		K
	RAMY	04	1603	1603	1707	N09	E39	4014	12	7.6	64	SN		3	C		75		
0074	RAMY	04	1633	1633	1648	S16	W41	4007	12	1.6	15	SF		3	C		28		
0075	HOLL	04	1731	1734	1743	N06	E38	4014	12	7.6	12	SF		3	C		20		F
0076		04	1824*	1831*	1907	S16	W43	4007	12	1.5	43	SN					32		F
	HOLL	04	1824	1831	1853	S16	W43	4007	12	1.5	29	SF		3	C		27		F
	HOLL	04	1853	1912	1921	S17	W43	4007	12	1.5	28	SN		3	C		37		F
0077	HOLL	04	1840	1842	1850	S12	W28	4005	12	2.7	10	SF		3	C		21		F
0078	HOLL	04	1853	1856	1934	S08	W31	4005	12	2.5	41	SF		3	C		45		
0079	HOLL	04	1911	1923	1929	N14	W21	4013	12	3.2	18	SF		3	C		40		F
0080	HOLL	04	1949	2028	2031	S16	W44	4007	12	1.5	42	SN		3	C		29		F
0081	HOLL	04	2003E	2004U	2027	S11	E83	4017	12	11.1	24D	SN		3	C				
0082	HOLL	04	2005	2007	2037	N08	E35	4014	12	7.5	32	SN		3	C		46		F
0083	HOLL	04	2034	2045	2238	S16	W44	4007	12	1.5	124	SN		3	C		65		F
0084	HOLL	04	2120	2122	2126	S11	E82	4017	12	11.0	6	SF M 1.0	3	C					
0085	HOLL	04	2130	2132	2147	N08	E35	4014	12	7.5	17	SN		3	C		26		F
0086	HOLL	04	2150	2153	2202	N14	W23	4013	12	3.2	12	SF		3	C		36		F
0087	HOLL	04	2151	2155	2156	S10	E82	4017	12	11.1	5	SF		3	C				
0088	LEAR	04	2349	2349	2404	S14	W30	4005	12	2.7	15	SF		3	C		34		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0089	PEKG	05	0203	0210	0224	N08	E33	4014	12	7.5	21	SN			C	0210	42	.5	E
0090	PEKG	05	0248	0258	0304	S15	W48	4007	12	1.5	16	SF			P	0258	76	1.2	E
0091		05	0256	02582	0316	N14	E25	4012	12	7.0	20	SN					123	1.4	CEJ
	VORO	05	0256	0300	0312	N14	E25	4012	12	7.0	16	SN			C	0300	116	1.3	CJ
	PEKG	05	0258E	0258	0319	N13	E25	4012	12	7.0	21D	SN			P	0258	130	1.5	E
0092		05	0320E	0325	0334	N12	W28	4013	12	3.0	14D	SN					66	.5	DH
	LEAR	05	0320E	0320U	0337	N12	W27	4013	12	3.1	17D	SN		2	C		86		H
	PEKG	05	0323E	0325	0330	N12	W28	4013	12	3.0	7D	SN			C	0325	46	.5	D
0093	LEAR	05	0326	0328	0340	S10	W34	4005	12	2.6	14	SF		2	C		53		F
0094		05	04271	04323	0446	N10	E31	4014	12	7.5	19	SN	C 4.8				76	.9	EF
	LEAR	05	0427	0432	0449	N08	E31	4014	12	7.5	22	SN	C 4.8	3	C		77		F
	PEKG	05	0428	0435	0444	N11	E31	4014	12	7.5	16	SN			C	0435	76	.9	E
0095	LEAR	05	0525	0529	0537	S17	W50	4007	12	1.4	12	SF		3	C		25		
0096		05	05551	05582	0612	N12	W28	4013	12	3.1	17	SN	C 3.0				85	.8	E
	LEAR	05	0555	0558	0614	N12	W29	4013	12	3.1	19	SN	C 3.0	3	C		103		
	PEKG	05	0556	0600	0609	N13	W28	4013	12	3.1	13	SN			C	0600	67	.8	E
0097		05	06096	06145	0640	N08	E30	4014	12	7.5	31	1N	C 5.5				146	2.5	EF
	LEAR	05	0609	0614	0646	N08	E30	4014	12	7.5	37	SN	C 5.5	3	C		79		F
	PEKG	05	0615	0619	0635	N09	E29	4014	12	7.4	20	1N			C	0619	214	2.5	E
0098	LEAR	05	0712	0714	0731	S16	W53	4007	12	1.3	19	SF		3	C		21		F
0099		05	0752*	0756*	0820	N08	E30	4014	12	7.6	28	1N					163	1.9	EFJK
	ABST	05	0752	0756	0800	N08	E30	4014	12	7.6	8	1N			C	0756	174	2.1	FJK
	HTPR	05	0800E		0817	N10	E29	4014	12	7.5	17D	SN			C	0812	140	1.5	E
	KANZ	05	0807	0814	0830	N08	E30	4014	12	7.6	23	SN		3					
	ABST	05	0808	0813	0835	N08	E30	4014	12	7.6	27	1B			C	0813	174	2.1	E
0100	ABST	05	0812	0814	0820	N14	W29	4013	12	3.2	8	SF			C	0814	87	1.0	D
0101	WEND	05	0916	0916	0918	N11	E13	4012	12	6.4	2	SN			C	0916	25	.3	
0102		05	09165	09184	0925	S10	E80	4017	12	11.4	9	SF					19		
	WEND	05	0916	0918	0926	S09	E85	4017	12	11.8	10	SF			C	0918	19		
	LEAR	05	0921	0922	0924	S11	E76	4017	12	11.1	3	SF		3	C				
0103		05	0959	1003	1032	N10	E28	4014	12	7.5	33	1B					220	2.4	E
	KANZ	05	0959	1003	1026	N09	E28	4014	12	7.5	27	1B		3					
	HTPR	05	0959	1003	1037	N10	E28	4014	12	7.5	38	1B			C	1003	220	2.4	E
0104	HTPR	05	1026	1028	1032	N13	W32	4013	12	3.0	6	SF			C	1028	10	.1	
0105		05	11132	11151	1124	N10	E04	4010	12	5.8	11	SF					30	.3	E
	HTPR	05	1113	1116	1125	N10	E04	4010	12	5.8	12	SF			C	1116	30	.3	E
	KANZ	05	1115	1115	1122	N10	E03	4010	12	5.7	7	SF		3					
0106	KANZ	05	1142	1148	1205	S09	E81	4017	12	11.6	23	SN		3					
0107		05	12234	12256	1252	N09	E11	4010B	12	6.3	29	SN					77	1.0	E
	HTPR	05	1223	1225	1250	N09	E10	4010B	12	6.3	27	SN			C	1225	100	1.0	E
	KANZ	05	1224	1231	1251	N09	E11	4010B	12	6.3	27	SN		3					
	RAMY	05	1227	1228	1259	N08	E09	4010	12	6.2	32	SF		3	C		76		
	RAMY	05	1227	1229	1248	N09	E13	4010B	12	6.5	21	SF		3	C		55		
0108	HTPR	05	1300	1300	1306	N07	E22	4014	12	7.2	6	SN			C	1300	30	.3	
0109		05	13431	13461	1408	N10	E10	4010B	12	6.3	25	SN					70	.7	E
	HTPR	05	1343	1346	1408	N10	E11	4010B	12	6.4	25	SN			C	1346	70	.7	E
	KANZ	05	1344	1347	1357D	N09	E10	4010B	12	6.3	13D	SN		3					

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0110	HTPR	05	1357	1358	1403	N12	W30	4013	12	3.3	6	SF			C	1358	40	.4	E
0111		05	1405*	14351	1520	N07	E26	4014	12	7.5	75	1N					180	.5	E
	HTPR	05	1405	1436	1520	N08	E25	4014	12	7.5	75	SN			C	1410	50	.5	
	RAMY	05	1435	1435	1436D	N05	E28	4014	12	7.7	1D	1N		3	C		236		
	RAMY	05	1435	1435	1438D	N08	E26	4014	12	7.5	3D	1N		3	C		236		E
	HOLL	05	1435	1435	1520	N08	E26	4014	12	7.5	45	1N		1	C		200		
0112	HTPR	05	1411	1412	1415	N08	E20	4014	12	7.1	4	SF			C	1412	30	.3	
0113	HOLL	05	1615	1624	1640	N08	E25	4014	12	7.5	25	SB M	1.0	3	C		165		E
0114	HOLL	05	1654	1657	1722	S12	E77	4017	12	11.5	28	1F C	3.5	3	C				
0115	HOLL	05	1713	1713	1722	S16	W55	4007	12	1.5	9	SN		3	C		21		
0116	HOLL	05	1822	1836	1840	S15	W53	4007	12	1.7	18	SN		3	C		14		
0117	RAMY	05	1832	1837	1845	N13	E15	4012	12	6.9	13	SN		3	C		39		
0118	HOLL	05	2027	2029	2051	N08	E23	4014	12	7.6	24	SN C	4.8	3	C		134		
0119	HOLL	05	2038	2041	2053	S10	W41	4005	12	2.8	15	SF		3	C		20		
0120		05	2110	2118*	2220	N13	E14	4012	12	6.9	70	SN C	2.8				116		K
	HOLL	05	2110	2118	2220	N13	E14	4012	12	6.9	70	SN C	2.8	3	C		117		K
	HOLL	05	2110	2129	2220	N13	E14	4012	12	6.9	70	SF		3	C		115		K
0121	HOLL	05	2246	2250	2306	N09	E21	4014	12	7.5	20	SB		3	C		63		
0122	VORO	06	0151E	0154	0202D	N04	E14	4012B	12	7.1	11D	SF			C	0154	72	.8	CDI
0123	VORO	06	0225	0232	0249	S08	E70	4017	12	11.3	24	SF			C	0232	125		CEG
0124	VORO	06	0302	0310	0316	S07	E70	4017	12	11.4	14	SF			C	0310	99		CDG
		06	0405		0406	No Flare Patrol													
0125	PEKG	06	0505	0510	0520	S11	E80	4020	12	12.2	15	SF			C	0510	46		D
0126	PEKG	06	0555	0556	0600	S10	E68	4017	12	11.3	5	SN			C	0556	34		E
0127		06	0632E	0649	0718	S10	E50	4016	12	10.0	46D	1N					86	2.2	FG
	ABST	06	0632E	0649	0716	S10	E50	4016	12	10.0	44D	1N			P	0649	131	2.2	FG
	LEAR	06	0651E	0651U	0719	S11	E49	4016	12	10.0	28D	SF		2	C		40		F
0128	LEAR	06	0703	0705	0734D	N04	W09	4015	12	5.6	31D	SF		2	C		47		F
0129	ABST	06	0706	0706	0726D	N12	E04	4012	12	6.6	20D	SF			P	0706	87	.9	D
0130		06	0733	0738	0743	N07	E19	4014	12	7.7	10	SN					74	1.1	D
	ABST	06	0733	0738	0743	N07	E19	4014	12	7.7	10	SN			C	0738	105	1.1	D
	LEAR	06	0736E	0740U	0745D	N07	E19	4014	12	7.7	9D	SN		2	C		43		
0131	LEAR	06	0743E	0743U	0812	S24	W26	4019	12	4.3	29D	SF		2	C		27		
0132	LEAR	06	0813E	0830U	0915	N12	E07	4012	12	6.9	62D	SF		2	C		86		FH
0133		06	0818E	0824	0856	N12	W43	4013	12	3.1	38D	SF					72	1.3	DF
	LEAR	06	0818E	0825U	0904	N12	W43	4013	12	3.1	46D	SF		2	C		58		F
	ABST	06	0824E	0824	0849	N13	W43	4013	12	3.1	25D	SF			P	0824	87	1.3	D
0134	LEAR	06	0852	0854	0912	S24	W26	4019	12	4.4	20	SF		2	C		32		F
0135	KANZ	06	1122	1122	1133	S10	E65	4017	12	11.3	11	SN		2					
0136	RAMY	06	1400	1437	1533	N13	W47	4013	12	3.0	93	1N C	3.0	3	C		197		K

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																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0137		06	1458*	1530*	1620	S22	W29	4019	12	4.4	82	SN					90		K
	RAMY	06	1458	1530	1614	S23	W30	4019	12	4.3	76	SN		3	C		145		K
	RAMY	06	1458	1548	1614	S23	W30	4019	12	4.3	76	SN		3	C		67		K
	HOLL	06	1523	1530	1626	S22	W28	4019	12	4.5	63	SN		3	C		67		K
	HOLL	06	1523	1538	1626	S22	W28	4019	12	4.5	63	SN		3	C		80		K
0138	RAMY	06	1502	1551	1618	N13	E02	4012	12	6.8	76	SF		3	C		64		
0139		06	1545	15452	1558	N02	E06	4012B	12	7.1	13	SF					28		
	RAMY	06	1545	1545	1602	N03	E04	4012B	12	6.9	17	SF		3	C		33		
	HOLL	06	1545	1547	1554	N01	E07	4012B	12	7.2	9	SF		3	C		24		
0140		06	16231	1625	1632	N09	E11	4014	12	7.5	9	SN					90		
	HOLL	06	1623	1625	1633	N09	E11	4014	12	7.5	10	SN		3	C		100		
	RAMY	06	1624	1625	1630	N09	E11	4014	12	7.5	6	SN		3	C		79		
0141		06	15323	15367	1551	S09	W26	4018	12	4.7	19	SN	C 4.4				32		
	HOLL	06	1532	1536	1549	S09	W26	4018	12	4.7	17	SN	C 4.4	3	C		31		
	RAMY	06	1535	1543	1553	S09	W25	4018	12	4.8	18	SN		3	C		32		
0142	HOLL	06	1555	1556	1614	N14	W47	4013	12	3.1	19	SF		3	C		18		
0143	RAMY	06	1614	1638	1641	S23	W30	4019	12	4.4	27	SF		3	C		34		
0144		06	1643	1734*	1817	S23	W31	4019	12	4.3	94	1N					152		K
	RAMY	06	1643	1734	1817	S23	W31	4019	12	4.3	94	SN		3	C		108		K
	RAMY	06	1643	1812	1817	S23	W31	4019	12	4.3	94	1N		3	C		197		K
0145	HOLL	06	1652	1654	1657	N06	E08	4014	12	7.3	5	SF		3	C		38		
		06	1846		1855	No Flare Patrol													
		06	1900		1916	No Flare Patrol													
0146	RAMY	06	1911E	1911	1933	S15	W73	4007	12	1.3	22D	SF	C 2.9	3	C				
0147		06	2008	20307	2207	N08	W04	4010B	12	6.5	119	1B	C 8.1				314		KUZ
	HOLL	06	2008	2030	2207	N08	W04	4010B	12	6.5	119	1B		3	C		221		K
	HOLL	06	2008	2037	2207	N08	W04	4010B	12	6.5	119	1B	C 8.1	3	C		408		ZUK
0148	HOLL	06	2011	2013	2028	S10	W57	4005	12	2.5	17	SN		3	C		42		
0149		06	2019	2025*	2154D	S23	W35	4019	12	4.1	95D	1B	C 5.2				166		EK
	HOLL	06	2019	2025	2154D	S23	W35	4019	12	4.1	95D	1B	C 5.2	3	C		221		EK
	HOLL	06	2019	2146	2154D	S23	W35	4019	12	4.1	95D	SN		3	C		111		K
0150	HOLL	06	2029	2037	2102	N06	E01	4014	12	6.9	33	SN		3	C		110		F
0151	HOLL	06	2129	2129	2141	S10	E40	4016	12	9.9	12	SF		3	C		26		
0152		06	2155	2213*	2251	S14	W78	4007	12	1.0	56	SF					21		K
	HOLL	06	2155	2213	2251	S14	W78	4007	12	1.0	56	SF		3	C		21		K
	HOLL	06	2155	2247	2251	S14	W78	4007	12	1.0	56	SF		3	C				K
0153	HOLL	06	2241	2242	2305	S22	W36	4019	12	4.2	24	SN		3	C		32		
0154	LEAR	06	2334	2335	2342	N08	E08	4014	12	7.6	8	SF		3	C		28		
0155	LEAR	06	2346	2347	2356	S17	E81	4021	12	13.1	10	SF		3	C		11		
0156	VORO	07	0006	0010	0019	N09	E06	4014	12	7.4	13	SF			C	0010	81	.8	CEIJ
0157	YUNN	07	0044	0056	0104	N15	W53	4013	12	3.0	20	SN			C		47	.8	
0158		07	0044*	00542	0100	S22	W34	4019	12	4.4	16	SN					92	1.2	CDJ
	YUNN	07	0044	0056	0100	S22	W35	4019	12	4.3	16	SB			P		94	1.3	
	VORO	07	0054	0054	0100	S22	W33	4019	12	4.5	6	SF			C	0054	90	1.2	CDJ
0159		07	0047*	0106*	0143	S16	E77	4021	12	12.9	56	1N					89		ACEK
	YUNN	07	0047	0106	0106D	S16	E74	4021	12	12.6	19D	1N			P		79		A
	VORO	07	0105	0124	0143	S15	E80	4021	12	13.1	38	SF			C	0124	99		CEK

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0160		07	0123	0128	0205	N13	W52	4013	12	3.1	42	SB					48	.6	
	YUNN	07	0120E	0128	0133	N13	W54	4013	12	3.0	13D	SB			P		31	.6	
	LEAR	07	0123	0128	0237	N13	W51	4013	12	3.2	74	SN		3	C		65		
0161	LEAR	07	0125	0126	0134	S10	W31	4018	12	4.7	9	SF		3	C		33		
0162		07	02432	02472	0306	S23	W36	4019	12	4.3	23	SN					81	1.4	CEFK
	VORO	07	0243	0247	0314	S22	W35	4019	12	4.4	31	SF			C	0247	116	1.5	CEK
	LEAR	07	0243	0249	0250D	S24	W36	4019	12	4.3	7D	SN		3	C		44		F
	PEKG	07	0245	0249	0258	S23	W37	4019	12	4.3	13	SN			P	0249	84	1.2	E
0163	YUNN	07	0340E	0345	0350	S22	W35	4019	12	4.5	10D	SN			P		31	.4	D
0164	YUNN	07	0340	0342	0351	N14	W53	4013	12	3.1	11	SN			C		31	.6	
0165	LEAR	07	0403	0403	0422	N13	W53	4013	12	3.2	19	SF		3	C		46		
0166	LEAR	07	0403	0405	0420	S15	E71	4021	12	12.5	17	SF		3	C		19		
0167	LEAR	07	0414	0415	0424	N08	E04	4014	12	7.5	10	SF		3	C		29		
0168	LEAR	07	0426	0456	0504	N13	W53	4013	12	3.2	38	SF		3	C		24		
0169	LEAR	07	0537	0539	0552	N06	E03	4014	12	7.4	15	SB	C 5.0	2	C		100		EF
0170		07	06063	0614	0629	N03	W06	4012B	12	6.8	23	SF					88	1.0	EFJK
	ABST	07	0606	0614	0708D	N03	W05	4012B	12	6.9	62D	SF			P	0614	114	1.2	FJK
	LEAR	07	0607E	0614U	0638	N03	W06	4012B	12	6.8	31D	SF		2	C		66		F
	PEKG	07	0609	0614	0620	N04	W07	4012B	12	6.7	11	SF			P	0614	84	.9	E
0171		07	0609	06148	0636	N14	W56	4013	12	3.0	27	SN	C 6.5				67	1.2	EFJ
	LEAR	07	0601E	0618U	0649	N14	W56	4013	12	3.0	48D	SN	C 6.5	2	C		71		F
	PEKG	07	0609	0614	0626	N15	W56	4013	12	3.0	17	SN			P	0614	59	1.1	E
	ABST	07	0622E	0622	0634	N14	W56	4013	12	3.0	12D	SF			P	0622	70	1.4	FJ
0172	LEAR	07	0632	0635	0639	N13	W06	4012	12	6.8	7	SF		2	C		33		
0173		07	06471	0658	0658	N04	W04	4012B	12	7.0	11	SN					46		DF
	ISTA	07	0647		0654	N04	W03	4012B	12	7.0	7	SN							D
	LEAR	07	0648	0658	0702	N03	W04	4012B	12	7.0	14	SF		3	C		46		F
0174	ISTA	07	0701		0706	N08	E06	4014	12	7.7	5	SF							D
0175		07	0725*	07354	0743	N03	W06	4012B	12	6.9	18	SF					206	2.2	DEFJ
	ISTA	07	0725		0729	N04	W03	4012B	12	7.1	4	SF							E
	ABST	07	0729E	0736	0822D	N03	W05	4012B	12	6.9	53D	1N			P	0736	244	2.5	FJ
	ISTA	07	0735		0751	N05	W07	4012B	12	6.8	16	SF							E
	CATA	07	0735	0735	0745	N03	W06	4012B	12	6.9	10	S		2	C	0735	169	1.8	
	KAND	07	0737	0739	0748	N03	W08	4012B	12	6.7	11	SF			C				D
0176		07	0828	08295	0845	N14	W58	4013	12	3.0	17	SF	C 4.9				39		F
	LEAR	07	0828	0829	0850	N14	W57	4013	12	3.0	22	SF	C 4.9	3	C		39		F
	KAND	07	0828	0834	0840	N13	W58	4013	12	3.0	12	SF			C				
0177	KAND	07	0943	0945	0949	N12	W09	4012	12	6.7	6	SF			C				E
0178	CATA	07	0945	0950	1003	S25	E62		12	12.2	18	2		1	C	0950	337	8.2	
0179		07	09456	10036	1044	S16	E71	4021	12	12.8	59	2B					256	5.8	
	CATA	07	0945	1003	1045	S17	E68	4021	12	12.6	60	2		1	C	1003	337		
	KAND	07	0951	1004	1050	S15	E70	4021	12	12.7	59	1B			C				
	ATHN	07	1001E	1009	1036	S17	E75	4021	12	13.1	35D	2B		3	V	1009	175	5.8	
0180	CATA	07	1145	1155	1230	N17	E90	4022	12	14.3	45	1		2	C	1155	56		
0181	RAMY	07	1301	1302	1309	N02	W08	4012B	12	6.9	8	SN		3	C		32		
0182	RAMY	07	1409	1410	1417	N13	W58	4013	12	3.2	8	SN		3	C		18		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0183	RAMY	07	1418	1429	1450	S15	W63	4005	12	2.8	32	SN		3	C		27		
0184	RAMY	07	1424	1433	1442	S22	W40	4019	12	4.5	18	SN		3	C		45		
0185	RAMY	07	1427	1428	1436	N14	W59	4013	12	3.1	9	SN		3	C		25		
0186		07	1510	1511*	1550	N05	W03	4014	12	7.4	40	1B M	1.2				274		K
	RAMY	07	1510	1511	1550	N05	W03	4014	12	7.4	40	1B M	1.2	3	C		413		K
	RAMY	07	1510	1521	1550	N05	W03	4014	12	7.4	40	SB		3	C		136		K
0187	RAMY	07	1639	1702	1739	N09	E82	4022	12	13.8	60	SN C	8.9	3	C				
		07	1715		1736	No Flare Patrol													
0188	RAMY	07	1743	1747	1759	S12	W68	4005	12	2.6	16	SN		3	C		53		
0189		07	1743	1809	1844	S18	W81	4007	12	1.6	61	SB M	1.3						F
	RAMY	07	1743	1809	1842	S19	W79	4007	12	1.7	59	SB M	1.3	3	C				F
	HOLL	07	1811E	1817U	1846	S17	W83	4007	12	1.4	35D	SN		3	C				F
0190	RAMY	07	1748	1749	1810D	S23	W41	4019	12	4.6	22D	SB M	1.0	3	C		76		
0191	HOLL	07	1843	1843	1855	S11	E43	4017	12	11.0	12	SF		3	C		18		
0192		07	1845	1846*	1912	N14	W60	4013	12	3.2	27	SN					18		
	RAMY	07	1845	1846	1900	N13	W59	4013	12	3.3	15	SN		3	C		16		
	RAMY	07	1900E	1917	1925	N14	W61	4013	12	3.2	25D	SN		3	C		21		
		07	2041		2049	No Flare Patrol													
0193	HOLL	07	2102	2108	2122	S11	E44	4017	12	11.2	20	SF		3	C		22		
		07	2123		2132	No Flare Patrol													
		07	2137		2149	No Flare Patrol													
0194	LEAR	07	2315	2316		S23	W45	4019	12	4.5		SF		3	C		42		
0195	LEAR	07	2317	2317	2323	N09	E79	4022	12	13.9	6	SF		3	C				
0196	LEAR	07	2325	2340	2459	S10	E49	4017	12	11.6	94	1N		3	C		222		F
0197	LEAR	07	2341	2351	2446	S19	W86	4007	12	1.4	65	1B		3	C				FU
0198	LEAR	07	2346	2351	2408	N16	E87	4022	12	14.6	22	SB		3	C				EH
0199	YUNN	08	0023E	0100	0504D	S16	W90	4007	12	1.2	281D				P				A
0200		08	0043*	0047*	0121	N08	W08	4014	12	7.4	38	SN					166	1.7	CEF IJK
	MITK	08	0043	0055	0112	N09	W08	4014	12	7.4	29	SN			C	0055			E
	VORO	08	0044	0047	0114	N09	W08	4014	12	7.4	30	SF			C	0054	170	1.8	CE IJK
	LEAR	08	0044	0055	0148	N08	W08	4014	12	7.4	64	SB		3	C		195		FE
	YUNN	08	0045	0055	0115	N08	W08	4014	12	7.4	30	SB			C		189	2.0	F
	PEKG	08	0109	0112	0116	N08	W07	4014	12	7.5	7	SN			P	0112	109	1.2	E
0201	LEAR	08	0050	0051	0102	N09	E77	4022	12	13.8	12	SF		3	C				
0202	YUNN	08	0120	0122	0124	S16	E67	4021	12	13.1	4	SF			C		16		D
0203		08	01354	01383	0144	S16	E68	4021	12	13.2	9	SF					30		CDE IJ
	YUNN	08	0135	0138	0145	S16	E67	4021	12	13.1	10	SN			C		31		E
	VORO	08	0135	0141	0144	S17	E67	4021	12	13.1	9	SF			C	0141	45		CD IJ
	LEAR	08	0139	0140	0144	S15	E70	4021	12	13.4	5	SF		3	C		15		
0204	LEAR	08	0146	0148	0159	N13	W65	4013	12	3.2	13	SF		3	C		21		
0205		08	02273	02331	0245	N14	W64	4013	12	3.3	18	SN					42	.7	D
	LEAR	08	0227	0233	0256	N14	W65	4013	12	3.2	29	SN		3	C		60		
	YUNN	08	0230	0234	0240	N13	W61	4013	12	3.5	10	SN			P		31	.7	
	PEKG	08	0234E	0234	0238	N15	W67	4013	12	3.0	4D	SN			P	0234	34		D

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						Lat	CMD	Region	Mo							Day	Apparent (10-6 Disk)	Corr (Sq Deg)			
0206		08	0228	0230	0236	N06	W05	4014	12	7.7	8	SN					46	.5	CDE I J		
	VORO	08	0228	0230	0236	N07	W05	4014	12	7.7	8	SF		C	0230	81	.9	CD I J			
	YUNN	08	0230	0234	0236	N05	W05	4014	12	7.7	6	SN		C		16	.2	D			
	PEKG	08	0233	0234	0235	N07	W05	4014	12	7.7	2	SN		P	0234	42	.4	E			
0207		08	0241*	0300*	0351	N09	E74	4022	12	13.7	70	1N					148		CEF J K		
	LEAR	08	0241	0307	0419	N07	E72	4022	12	13.5	98	1N	3	C					F		
	MITK	08	0245	0308	0313	N09	E74	4022	12	13.7	28	2N		C	0308	260		E			
	VORO	08	0250	0314	0400	N11	E77	4022	12	13.9	70	2F		C	0328	188		CE J K			
	YUNN	08	0253	0300	0312D	N08	E73	4022	12	13.6	19D	1N		P		110		E			
	PEKG	08	0258E	0309	0341	N08	E74	4022	12	13.7	43D	SN		P	0309	105		E			
	YUNN	08	0327E	0327U	0403	N09	E71	4022	12	13.5	36D	1B		P	0327	79		F			
0208		08	0305	0307	0318	S24	W47	4019	12	4.5	13	SN					83	1.2	EF		
	LEAR	08	0305	0307	0322	S24	W47	4019	12	4.5	17	SN	3	C		90		F			
	PEKG	08	0309E	0309	0315	S23	W47	4019	12	4.5	6D	SN		P	0309	76	1.2	E			
0209		08	0313	0313	0316	S16	E69	4021	12	13.4	3	SF					34		CD F I J		
	VORO	08	0313	0313	0316	S16	E69	4021	12	13.4	3	SF		C	0314	45		CD I J			
	LEAR	08	0313	0313	0317	S16	E69	4021	12	13.4	4	SF	3	C		22		F			
0210	LEAR	08	0416	0420	0423	S16	E63	4021	12	12.9	7	SN	3	C		46		F			
0211	YUNN	08	0451	0455	0504	S16	E61	4021	12	12.8	13	SN		C		16	.4	D			
0212		08	0543	0600	0641	N10	W22	4012	12	6.6	58	1N					198	2.7	F J		
	LEAR	08	0543	0600	0641	N10	W21	4012	12	6.7	58	SN	3	C		153		F			
	ABST	08	0556E	0606	0631D	N11	W23	4012	12	6.5	35D	1N		P	0606	244	2.7	F J			
0213	LEAR	08	0630	0631	0638	N14	W67	4013	12	3.2	8	SF	3	C		18					
0214	LEAR	08	0728	0730	0736	N09	E72	4022	12	13.7	8	SF	3	C							
0215	ISTA	08	0755E		0800	S16	E64	4021	12	13.2	5D	SF						D			
0216		08	08281	08341	0908	N10	E74	4022	12	13.9	40	1N	M 1.1				132	7.6	EF		
	LEAR	08	0828	0835	0912	N10	E72	4022	12	13.8	44	1F	M 1.1	3	C				F		
	ISTA	08	0829		0848	N09	E76	4022	12	14.0	19	1N						E			
	ATHN	08	0829	0834	0924	N11	E76	4022	12	14.1	55	2B		V	0834	207	7.6				
	CATA	08	0830E	0835	0835D	N11	E70	4022	12	13.6	5D	S	1	P	0835	56					
0217	ISTA	08	0836		0841	N06	W07	4014	12	7.8	5	SF						D			
0218	KHAR	08	0945E		1030D	S17	E61	4021	12	13.0	45D	SF		P	0956			EH			
0219	KHAR	08	1013E		1032D	S24	E55		12	12.7	19D	SF		P	1027			D			
0220	KANZ	08	1031	1031	1038	N11	W28	4010A	12	6.3	7	SF	3								
0221	KANZ	08	1034	1038	1042	N06	W10	4014	12	7.7	8	SF	2								
0222		08	11069	1112*	1203	N12	E74	4022	12	14.0	57	2B					220	5.9			
	ATHN	08	1106	1112	1203	N11	E76	4022	12	14.2	57	2B	3	V	1112	159	5.9				
	CATA	08	1115	1125	1215D	N12	E72	4022	12	13.9	60D	2	2	P	1125	281					
0223	ATHN	08	1109	1113	1141	S16	E59	4021	12	12.9	32	1B	3	V	1113	111	2.8				
0224		08	13235	1336*	1837	N09	E72	4022	12	14.0	314	2B	M 6.7				380	10.5	KUZ		
	RAMY	08	1323	1443	1837	N07	E68	4022	12	13.6	314	2B	M 6.7	3	C		443		ZUK		
	ATHN	08	1328	1336	1450D	N11	E75	4022	12	14.2	82D	2B	3	V	1336	318	10.5				
0225	RAMY	08	1328	1337	1347	S10	E34	4017	12	11.1	19	SF	3	C		23					
		08	1701		1711	No Flare Patrol															
0226	RAMY	08	1814	1814	1826	S22	W59	4019	12	4.2	12	SF	3	C		28					
		08	1846		2220	No Flare Patrol															

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
						Lat	CMD	Region									Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
			08 2229		2235	No Flare Patrol														
0227	LEAR	08	2356	2402	2427	N11	E60	4022	12	13.5	31	SF		3	C		75		F	
0228		09	01291	0130	0137	S22	W62	4019	12	4.3	8	SN					52		CDF	
	LEAR	09	0129	0130	0140	S22	W60	4019	12	4.4	11	SN		2	C		69		F	
	VORO	09	0130	0130	0134	S23	W64	4019	12	4.1	4	SF			C	0130	36		CD	
0229	LEAR	09	0202	0202	0216	N06	W20	4014	12	7.6	14	SF		3	C		94		F	
0230		09	0215*	02564	0319	N11	E70	4022	12	14.4	64	SN					69		CD	
	LEAR	09	0215	0256	0349	N11	E68	4022	12	14.2	94	SN		3	C		87			
	YUNN	09	0233E	0233U	0301D	N11	E70	4022	12	14.4	28D	1N			P	0233	79			
	VORO	09	0254	0258	0302	N12	E70	4022	12	14.4	8	SF			C	0255	68		CD	
	PEKG	09	0255E	0300	0307	N11	E70	4022	12	14.4	12D	SF			P	0300	42		D	
0231	LEAR	09	0221	0307	0340	S11	E26	4017	12	11.0	79	SF		2	C		142		F	
0232		09	0235*	0245*	0314	N06	W22	4014	12	7.5	39	1N M 1.3					212	1.9	CEFHIJT	
	LEAR	09	0235	0245	0334	N03	W24	4014	12	7.3	59	1N M 1.3		2	C		375		F	
	VORO	09	0240	0246	0309	N05	W23	4014	12	7.4	29	1N			C	0245	269	2.9	CEHIJ	
	YUNN	09	0252E	0300U	0301D	N07	W22	4014	12	7.5	9D	1B			P	0300	204	2.3	FT	
	PEKG	09	0255E	0300	0309	N07	W23	4014	12	7.4	14D	SN			P	0300	105	1.2	F	
	VORO	09	0256	0258	0304	N08	W21	4014	12	7.5	8	SN			C	0258	108	1.2	CEHIJ	
0233	MITK	09	0320E	0321	0335D	N13	E72	4022	12	14.6	15D	1F			C	0321	140		D	
0234		09	0410*	0420*	0509	N08	W24	4014	12	7.4	59	1N C 6.6					207	1.7	EFKT	
	LEAR	09	0410	0420	0531	N07	W22	4014	12	7.5	81	1N		3	C		208		K	
	LEAR	09	0410	0451	0531	N07	W22	4014	12	7.5	81	1B C 6.6		3	C		452		FEK	
	YUNN	09	0420E	0420U	0435	N07	W22	4014	12	7.5	15D	SN			P	0420	79	.9	T	
	MITK	09	0440	0452	0504D	N09	W27	4014	12	7.2	24D	1N			C	0452	180	2.1	E	
	YUNN	09	0447	0452	0500D	N09	W25	4014	12	7.3	13D	SB			P		157	1.8	T	
	PEKG	09	0448	0451	0500	N10	W26	4014	12	7.2	12	1N			C	0454	168	2.0	F	
0235	LEAR	09	0425	0432	0440	N11	E69	4022	12	14.4	15	SF		3	C		32		F	
0236	LEAR	09	0517	0522	0536	N09	E60	4022	12	13.7	19	SF		3	C		73		F	
0237	LEAR	09	0552	0601	0607	S17	E47	4021	12	12.8	15	SF		3	C		26		F	
0238	LEAR	09	0713	0715	0721	N14	W70	4023	12	4.0	8	SF		3	C		18			
0239	ISTA	09	0730		0740	N11	E69	4022	12	14.5	10	SF							D	
0240		09	0637*	0642*	0721	N05	W26	4014	12	7.3	44	1N					65	.8	BEFT	
	YUNN	09	0637	0642	0654	N07	W22	4014	12	7.6	17	SF			C		47	.5	T	
	ISTA	09	0640E		0700	N07	W19	4014	12	7.8	20D	SB							E	
	ISTA	09	0640E		0733	N03	W30	4014	12	7.0	53D	2B							BF	
	LEAR	09	0645	0647	0716	N05	W28	4014	12	7.2	31	SF		3	C		70		F	
	YUNN	09	0651	0706	0740	N02	W32	4014	12	6.9	49	SF			C		79	1.0	FT	
	ISTA	09	0733		0743	N07	W25	4014	12	7.4	10	SN							E	
0241	ABST	09	0805E	0806	0806D	N11	E66	4022	12	14.3	1D	1F			P	0806	87		D	
0242	ABST	09	0805E	0806	0806D	N02	W34	4014	12	6.8	1D	SF			P	0806	105	1.3	D	
0243	YUNN	09	0842	0843	0848	N11	E67	4022	12	14.4	6	1N			C		79			
0244		09	0843	0845	0903	N10	E58	4022	12	13.7	20	SN C 8.8					96	1.2	EF	
	LEAR	09	0843	0845	0903	N10	E56	4022	12	13.6	20	SN C 8.8		3	C		131		F	
	HTPR	09	0849E		0901D	N10	E60	4022	12	13.9	12D	SF			C	0854	60	1.2	E	
0245		09	0906E		0922D	N06	W31	4014	12	7.0	16D	SF					50	.6	E	
	HTPR	09	0906E		0922D	N06	W32	4014	12	7.0	16D	SF			C	0910	60	.7	E	
	HTPR	09	0906E		0922D	N06	W30	4014	12	7.1	16D	SF			C	0907	40	.4	E	
0246	LEAR	09	0925	0926	0959D	N09	E58	4022	12	13.7	34D	SN		3	C		33		F	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	OMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area (10 ⁻⁶ Disk)	Measurement Apparent (Sq Deg)	Corr (Sq Deg)	Remarks
0247	HTPR	09	0951E		1010	N08	W43	4010	12	6.2	19D	SF			C	0955	50		.7	E
0248	HTPR	09	1020		1059D	N08	W43	4010	12	6.2	39D	SF			C	1023	20		.3	
0249		09	1020*	10401	1059	N08	W29	4014	12	7.2	39	1B					235		2.7	EI
	HTPR	09	1020		1059D	N08	W28	4014	12	7.3	39D	1B			C	1042	190		2.1	EI
	KAND	09	1024	1041	1103	N07	W30	4014	12	7.2	39	1N			C					E
	ATHN	09	1031	1040	1102D	N08	W28	4014	12	7.3	31D	1B		2	V	1040	207		2.4	
	CATA	09	1040E	1040	1055	N07	W29	4014	12	7.3	15D	1		2	P	1040	309		3.7	
0250		09	10406	1056	1106	N12	E69	4022	12	14.6	26	1N					50		1.2	
	HTPR	09	1040		1059D	N11	E68	4022	12	14.6	19D	SN			C	1042	50		1.2	
	KAND	09	1046	1056	1106	N12	E70	4022	12	14.7	20	1N			C					
0251	KAND	09	1109	1111	1113	S09	E26	4017	12	11.4	4	SN			C					D
0252	HTPR	09	1127E		1136D	S15	E90	4025A	12	16.3	9D	1N			C	1128	100			
0253	KAND	09	1146	1149	1151	N11	W44	4010A	12	6.2	5	SN			C					
0254	HTPR	09	1306		1309D	N09	E45	4022	12	12.9	3D	SF			C	1309	20		.3	
0255	HTPR	09	1307		1309D	N11	E66	4022	12	14.5	2D	SF			C	1309	50		1.1	
0256	HTPR	09	1336E		1348D	N09	E54	4022	12	13.6	12D	SN			C	1348	50		.9	
		09	1352		1408	No Flare Patrol														
		09	1417		1432	No Flare Patrol														
0257	HTPR	09	1433E		1451D	N10	W48	4010A	12	6.0	18D	SF			C	1441	60		.9	E
0258	RAMY	09	1444	1604	1635	N08	W28	4014	12	7.5	111	1B	M 1.7	3	C		199			
		09	1452		1457	No Flare Patrol														
		09	1459		1505	No Flare Patrol														
0259	RAMY	09	1612	1637	1659	N11	E53	4022	12	13.7	47	SB	C 6.3	3	C		140			K
0260		09	1736	1737*	1815	N09	E54	4022	12	13.8	39	SB	M 1.0				73			EK
	RAMY	09	1736	1737	1815	N09	E54	4022	12	13.8	39	SN		3	C		38			K
	RAMY	09	1736	1800	1815	N09	E54	4022	12	13.8	39	SB	M 1.0	3	C		108			EK
0261	RAMY	09	1900	1903	1929	N10	E51	4022	12	13.6	29	SB	M 1.0	3	C		127			U
		09	2008		2012	No Flare Patrol														
		09	2038		2223	No Flare Patrol														
0262	LEAR	09	2224E	2229U	2310	N09	E52	4022	12	13.8	46D	1F		2	C		228			FH
0263		09	2257	2304*	2339	N08	W37	4014	12	7.2	42	SB	M 1.1				140			EFK
	LEAR	09	2257	2304	2339	N08	W37	4014	12	7.2	42	SB	M 1.1	3	C		132			FEK
	LEAR	09	2257	2318	2339	N08	W37	4014	12	7.2	42	SB		3	C		149			K
0264	LEAR	10	0025	0029	0043	S12	E18	4017	12	11.4	18	SF		3	C		37			
0265	LEAR	10	0037	0038	0044	N11	E58	4022	12	14.4	7	SF		3	C		28			
0266		10	0040*	0054*	0136	N08	W36	4014	12	7.3	56	1B	M 2.3				291		3.3	EF
	MITK	10	0040	0056	0112	N07	W38	4014	12	7.2	32	2N			C	0056	480		6.2	E
	LEAR	10	0041	0054	0206	N07	W35	4014	12	7.4	85	1B	M 2.3	3	C		394			FE
	YUNN	10	0100	0101	0115	N08	W36	4014	12	7.3	15	SB			C		31		.4	
	MITK	10	0115	0130	0153	N08	W35	4014	12	7.4	38	1N			C	0130	260		3.3	E
0267	LEAR	10	0131	0131	0141D	S16	E37	4021	12	12.9	10D	SF		3	C		49			F
0268	LEAR	10	0156	0159	0205	N09	E49	4022	12	13.7	9	SN	M 1.4	3	C		108			F
0269	LEAR	10	0158	0159	0204	S16	E35	4021	12	12.7	6	SF		3	C		45			

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0270	LEAR	10	0222	0228	0234	N09	E48	4022	12	13.7	12	SF		3	C		113		F
0271	LEAR	10	0227	0227	0232	S10	W77	4018	12	4.3	5	SF		3	C				
0272		10	0236	0237*	0326	N08	W36	4014	12	7.4	50	1B	M 5.2				177	3.2	EFKZ
	LEAR	10	0236	0237	0326	N07	W36	4014	12	7.4	50	SN		3	C		68		K
	LEAR	10	0236	0248	0326	N07	W36	4014	12	7.4	50	1B	M 5.2	3	C		213		FEK
	MANI	10	0242E	0245	0252D	N09	W35	4014	12	7.5	10D	1B		1	V		250	3.2	ZE
0273		10	0237*	0241*	0525	N08	E49	4022	12	13.8	168	2B					925	19.6	EFKUZ
	MITK	10	0237	0241	0317	N10	E50	4022	12	13.9	40	2N			C	0241	490	7.9	E
	LEAR	10	0237	0241	0556	N09	E47	4022	12	13.6	199	1B		3	C		282		UFK
	LEAR	10	0237	0432	0556	N09	E47	4022	12	13.6	199	2B		3	C		676		K
	YUNN	10	0355	0505	0631	N07	E49	4022	12	13.8	156	3B			P		1336	21.1	F
	MITK	10	0404	0443	0638D	N08	E52	4022	12	14.1	154D	4B			C	0443	1840	29.7	UZ
0274	LEAR	10	0340	0342	0347	N05	W37	4014	12	7.4	7	SN		3	C		43		F
0275		10	0358*	04087	0455	N08	W36	4014	12	7.5	57	1B					197	2.6	EF
	MITK	10	0358	0408	0502	N07	W38	4014	12	7.3	64	1N			C	0408	280	3.6	E
	LEAR	10	0358	0412	0505	N07	W37	4014	12	7.4	67	1B		3	C		184		FE
	YUNN	10	0402	0415	0437	N08	W39	4014	12	7.2	35	1N			C		204	2.7	E
	MANI	10	0409	0410U	0415D	N09	W32	4014	12	7.8	6D	SB		1	V		120	1.5	FE
0276	LEAR	10	0521	0522	0531	N07	W37	4014	12	7.4	10	SN		3	C		32		
0277	ABST	10	0558E	0615	0735D	N16	E55	4022	12	14.4	97D	1F			P	0615	244	4.6	EJ
0278		10	07085	07123	0717	S17	E28	4021	12	12.4	9	SF					58	1.1	D
	ABST	10	0708	0712	0717	S17	E27	4021	12	12.3	9	SF			P	0712	96	1.1	D
	LEAR	10	0713	0715	0717	S17	E28	4021	12	12.4	4	SF		3	C		19		
0279		10	0748*	0750*	0812	N07	W38	4014	12	7.5	24	SN					113	1.5	DEFJ
	ABST	10	0748	0750	0755	N06	W42	4014	12	7.2	7	SN			C	0750	131	1.8	FJ
	HTPR	10	0753E		0758D	N06	W40	4014	12	7.3	5D	1B			C	0754	160	2.1	E
	LEAR	10	0753	0754	0759	N06	W40	4014	12	7.3	6	SB		3	C		162		
	ATHN	10	0754E	0756	0759D	N09	W39	4014	12	7.4	5D	SN		3	V	0756	143	1.9	
	ABST	10	0755	0805	0822	N06	W37	4014	12	7.6	27	SF			C	0805	87	1.1	E
	YUNN	10	0755E	0807	0819	N08	W37	4014	12	7.5	24D	SN			P		94	1.2	D
	LEAR	10	0800	0807	0819	N07	W36	4014	12	7.6	19	SB		3	C		40		E
	HTPR	10	0806E		0809D	N06	W37	4014	12	7.6	3D	SB			C	0806	110	1.3	E
	ATHN	10	0806	0807	0815	N09	W33	4014	12	7.9	9	SB		3	V	0807	95	1.3	
0280		10	0842	08375	0918	N07	W40	4014	12	7.4	36	SF					62	.9	D
	ABST	10	0832E	0837	0847D	N05	W38	4014	12	7.5	15D	SF			P	0837	87	1.1	D
	ABST	10	0832E	0841	0847D	N07	W43	4014	12	7.1	15D	SF			P	0841	87	1.2	D
	HTPR	10	0838E		0932D	N08	W38	4014	12	7.5	54D	SF			C	0839	30	.4	
	LEAR	10	0842	0842	0918	N07	W39	4014	12	7.4	36	SN		3	C		44		
0281	LEAR	10	0842	0842	0855	S07	E64	4024	12	15.1	13	SF		3	C		23		
0282	HTPR	10	0926	0931	0933	N06	W43	4014	12	7.2	7	SF			C	0931	20	.3	
0283	HTPR	10	0946	0948	0951	N06	W43	4014	12	7.2	5	SN			C	0948	30	.4	
0284	HTPR	10	0951	1000	1018	S16	E35	4021	12	13.1	27	SN			C	1000	30	.4	
0285	HTPR	10	1009	1012	1025	N12	E51	4022	12	14.3	16	SF			C	1012	30	.6	E
0286	HTPR	10	1011	1018	1031	N07	W43	4014	12	7.2	20	SF			C	1018	40	.5	EK
0287		10	1032	1037	1045	N12	E52	4022	12	14.3	13	SF					62	1.0	E
	HTPR	10	1032	1037	1046	N12	E53	4022	12	14.4	14	SF			C	1037	60	1.0	E
	WEND	10	1037E		1044	N11	E50	4022	12	14.2	7D	SF			C	1037	63	1.0	
0288	HTPR	10	1057	1058	1100	S17	E36	4021	12	13.2	3	SF			C	1058	40	.5	
0289		10	1058*	1110*	1132	N07	W42	4014	12	7.3	34	SF					33	.4	
	HTPR	10	1058	1110	1116	N07	W44	4014	12	7.2	18	SF			C	1110	30	.4	
	HTPR	10	1113		1150D	N08	W38	4014	12	7.6	37D	SF			C	1133	40	.5	
	HTPR	10	1132	1145	1149	N06	W43	4014	12	7.3	17	SF			C	1145	30	.4	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Mo	CMP Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Apparent (10 ⁻⁶ Disk)	Measurement Corr (Sq Deg)	Remarks
0290	WEND	10	1155	1158	1208	S15	E32	4021	12	12.9	13	SN			C	1158	69	.9	
0291		10	1204*	1321*	1427	N05	W43	4014	12	7.3	143	1B	M 2.8				244	3.8	FK
	RAMY	10	1204	1321	1441	N05	W43	4014	12	7.3	157	SB		3	C		126		K
	RAMY	10	1204	1332	1441	N05	W43	4014	12	7.3	157	1B	M 2.8	3	C		338		FK
	WEND	10	1316	1331	1400	N06	W43	4014	12	7.3	44	1N			C	1331	268	3.8	
0292	WEND	10	1225	1240	1244	S21	E23	4021	12	12.3	19	SF			C	1240	28	.3	L
0293	WEND	10	1231	1236	1300D	N11	E46	4022	12	14.0	29D	1F			C	1236	144	2.2	
0294	ATHN	10	1325E	1326		N09	W36	4014	12	7.8	D	1B		2	V	1326	159	2.2	
0295		10	1602	1821	1904	N08	W47	4014	12	7.1	182	1B	C 9.3				375		K
	RAMY	10	1602	1821	1904	N08	W47	4014	12	7.1	182	1B		3	C		361		K
	RAMY	10	1602	1822	1904	N08	W47	4014	12	7.1	182	1B	C 9.3	3	C		389		K
0296	RAMY	10	1854	1857	1909	S08	E84	4026	12	17.1	15	SN		3	C				
0297	RAMY	10	1900	1903	1908	S14	E24	4021	12	12.6	8	SF		3	C		74		
0298	RAMY	10	1911	2000	2019D	N06	W47	4014	12	7.3	68D	SN		3	C		45		
0299	RAMY	10	1923	1927	1958	S08	E83	4026	12	17.0	35	SB		3	C				
0300	RAMY	10	1943	1943	2000	S09	E03	4017	12	11.0	17	SN		3	C		38		
0301	RAMY	10	1952	1958	2019D	S14	E23	4021	12	12.6	27D	SB		3	C		88		
		10	2020		2221	No Flare Patrol													
		10	2227		2245	No Flare Patrol													
0302	LEAR	11	0043	0044	0048	S15	E19	4021	12	12.5	5	SF		3	C		35		
0303	PEKG	11	0122E	0122	0123D	S16	E22	4021	12	12.7	1D	SF			C	0122	84	1.0	E
0304		11	0142	0143	0152	N07	W58	4014	12	6.7	10	SN					96	1.8	F
	MANI	11	0142E	0143U	0147D	N07	W60	4014	12	6.6	5D	SB		1	V		80	1.5	
	PEKG	11	0142	0143	0152	N07	W55	4014	12	6.9	10	SF			C	0143	113	2.0	F
0305		11	0226*	0232*	0311	N06	W56	4014	12	6.9	45	1N	C 6.2				106	2.1	EF
	PEKG	11	0226	0232	0330	N04	W60	4014	12	6.6	64	1F			C	0232	101	2.1	E
	LEAR	11	0234	0246	0308	N05	W55	4014	12	7.0	34	SN	C 6.2	3	C		90		F
	PEKG	11	0245	0248	0256	N09	W52	4014	12	7.2	11	1N			C	0248	126	2.1	E
0306		11	0247	0248	0254	S14	E20	4021	12	12.6	7	SN	M 1.1				83	.6	EF
	PEKG	11	0247	0248	0251	S14	E19	4021	12	12.5	4	SF			C	0248	50	.6	E
	LEAR	11	0247	0248	0258	S14	E20	4021	12	12.6	11	SN	M 1.1	3	C		116		F
0307	LEAR	11	0313	0318	0330	N11	E42	4022	12	14.3	17	SF		3	C		33		F
0308	LEAR	11	0326	0328	0331	S13	E19	4021	12	12.6	5	SN		3	C		70		F
0309		11	0343*	0346*	0409	S14	E19	4021	12	12.6	26	SN	C 6.0				166	1.4	EFK
	PEKG	11	0343E	0346	0350	S14	E19	4021	12	12.6	7D	SN			C	0346	122	1.4	E
	LEAR	11	0343	0346	0420	S14	E19	4021	12	12.6	37	SB	C 6.0	3	C		197		FEK
	LEAR	11	0343	0358	0420	S14	E19	4021	12	12.6	37	1N		3	C		218		K
	PEKG	11	0354	0356	0405	S14	E18	4021	12	12.5	11	SN			C	0356	126	1.4	F
0310		11	04001	04031	0410	N07	W50	4014	12	7.4	10	1N	C 7.5				147	1.8	DEF
	LEAR	11	0400	0403	0413	N06	W49	4014	12	7.5	13	1B	C 7.5	3	C		215		FE
	PEKG	11	0401	0404	0407	N08	W50	4014	12	7.4	6	1N			C	0404	185	3.0	D
	MANI	11	0402E	0402U	0408D	N08	W52	4014	12	7.3	6D	SN		1	V		40	.7	
0311		11	04391	0442	0512	S10	E79	4026	12	17.1	33	1B					88		EFU
	LEAR	11	0439	0442	0525	S10	E80	4026	12	17.2	46	1B		3	C				UF
	PEKG	11	0440	0442	0458	S11	E78	4026	12	17.1	18	SN			C	0442	88		E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF/Region			CMP		Dur (Min)	Imp		Obs See	Type	Time (UT)	Area Measurement		Remarks	
						Lat	CMD		Mo	Day		Opt	Xray				(10 ⁻⁶ Disk)	Apparent (Sq Deg)		Corr (Sq Deg)
0312	LEAR	11	0544	0545	0550	S13	E19	4021	12	12.7	6	SN	C 7.6	3	C			57		
0313		11	0552*	06066	0650	S12	E04	4028	12	11.5	58	SN						128	1.8	FK
	LEAR	11	0552	0606	0659	S12	E03	4028	12	11.5	67	SF		3	C		83		F	
	ABST	11	0609	0612	0640	S12	E05	4028	12	11.6	31	SN			C	0612	174	1.8	FK	
0314		11	06088	06158	0652	N08	W66	4010A	12	6.3	44	1B	C 8.6					598		EFK
	LEAR	11	0608	0615	0653	N08	W63	4010A	12	6.5	45	1B	C 8.6	2	C		1022		FE	
	ABST	11	0616	0623	0650	N09	W68	4010A	12	6.1	34	1N			C	0623	174		FK	
0315	ABST	11	0610	0612	0622	N07	E34	4022	12	13.8	12	SF			C	0612	87	1.1	E	
0316	ABST	11	0616	0620	0625	N07	W56	4014	12	7.1	9	1F			C	0620	131	2.4	EK	
0317	LEAR	11	0651	0652	0715	N09	E33	4022	12	13.8	24	SF		3	C			60		
0318		11	07205	07282	0742	N07	W54	4014	12	7.3	22	SN	C 7.8					104	2.2	F
	LEAR	11	0720	0729	0737	N07	W53	4014	12	7.3	17	SN	C 7.8	3	C		69		F	
	ABST	11	0724	0728	0750	N07	W56	4014	12	7.1	26	1N			C	0728	131	2.4	F	
	CATA	11	0725	0730	0740	N08	W54	4014	12	7.3	15	S		2	C	0730	112	2.0		
0319	ABST	11	0836	0839	0902D	N12	E38	4022	12	14.2	26D	SF			P	0839	131	1.7	E	
0320	ABST	11	0849	0852	0902D	S12	E01	4028	12	11.4	13D	SF			P	0852	131	1.3	E	
0321	LEAR	11	0913	0915	0929	N07	W54	4014	12	7.3	16	SN		3	C			28		F
0322		11	09491	09521	0956	N07	W50	4014	12	7.7	7	SB	M 1.8					36	.5	
	LEAR	11	0949	0952	0957	N07	W49	4014	12	7.7	8	SB	M 1.8	3	C		41			
	HTPR	11	0950	0953	0956	N07	W50	4014	12	7.7	6	SB			C	0953	30	.5		
0323	HTPR	11	1005		1225D	S12	E04	4028	12	11.7	140D	2N			C	1050	900	9.0	EIT	
0324	ATHN	11	1251	1253	1256D	S13	E29	4021	12	13.7	5D	SN		3	V	1253	64	.8		
0325	RAMY	11	1335	1338	1344	N04	W57	4014	12	7.3	9	SN		3	C			74		
0326	RAMY	11	1435	1450	1539	N02	W66	4014	12	6.7	64	1N		3	C			128		F
0327	RAMY	11	1440	1441	1451	S13	E74	4025A	12	17.2	11	SF		3	C			31		
0328		11	1538*	1538*	1553	N12	E28	4022	12	13.8	15	SN						48		
	RAMY	11	1538	1538	1542	N15	E31	4022	12	14.0	4	SN		3	C		35			
	RAMY	11	1548	1550	1604	N09	E26	4022	12	13.6	16	SN		3	C		62			
0329	RAMY	11	1712	1713	1717	N06	W57	4014	12	7.4	5	SN		3	C			41		
0330	RAMY	11	1759	1759	1809	S15	E17	4021	12	13.0	10	SF		3	C			27		
0331	RAMY	11	1948	1956	2005	N15	E28	4022	12	13.9	17	SN	C 4.7	3	C			59		
		11	1957		2001	No Flare Patrol														
		11	2008		2012	No Flare Patrol														
		11	2116		2123	No Flare Patrol														
0332	HOLL	11	2124E	2124U	2128D	S15	E11	4021	12	12.7	4D	SN		3	C			25		F
		11	2149		2159	No Flare Patrol														
		11	2210		2228	No Flare Patrol														
0333	LEAR	11	2247	2248	2254	N07	W61	4014	12	7.4	7	SF		3	C			31		
0334		11	2341	2343	2420	N10	E22	4022	12	13.6	39	1N	C 4.6					218	2.3	F
	LEAR	11	2341	2343	2421	N10	E22	4022	12	13.6	40	1N	C 4.6	3	C		236		F	
	MANI	11	2343E	2343	2418	N10	E23	4022	12	13.7	35D	1N		1	V		200	2.3	F	
0335	LEAR	11	2351	2354	2429	S07	E43	4024	12	15.2	38	SF		3	C			25		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Apparent (10 ⁻⁶ Disk)	Measurement Corr (Sq Deg)	Remarks
0336	LEAR	12	0013	0016	0028	S09	E69	4026	12	17.2	15	SN		3	C		63		
0337		12	0107*	0109*	0120	N07	W66	4014	12	7.1	13	SF					55	1.7	D
	PEKG	12	0107	0109	0113	N07	W68	4014	12	6.9	6	SF			C	0109	38		D
	LEAR	12	0117	0119	0127	N06	W64	4014	12	7.3	10	SF		3	C		55		
	PURP	12	0122E	0122	0122D	N07	W65	4014	12	7.2	10D	SN			P	0122	72	1.7	
0338		12	0122	01223	0134	S12	W04	4028	12	11.7	12	SN					50	.5	E
	PURP	12	0122E	0122	0122D	S12	W04	4028	12	11.7	12D	SN			P	0122	40	.4	
	PEKG	12	0122	0125	0134	S11	W05	4028	12	11.7	12	SF			C	0125	59	.6	E
0339		12	01397	0149*	0222	N10	E19	4022	12	13.5	43	SF C 4.2					182	1.4	CEFHIJ
	LEAR	12	0139	0150	0241	N10	E21	4022	12	13.6	62	1N C 4.2	3	C			287		F
	VORO	12	0146	0149	0203	N10	E18	4022	12	13.4	17	SF			C	0149	134	1.5	CHIJ
	PEKG	12	0159E	0159	0205D	N11	E19	4022	12	13.5	6D	SF			P	0159	126	1.4	E
0340		12	02131	0215	0220	N06	W64	4014	12	7.3	7	SN					36		EF
	LEAR	12	0213	0215	0219	N06	W63	4014	12	7.4	6	SN		3	C		38		F
	PEKG	12	0214	0215	0220	N07	W66	4014	12	7.1	6	SF			C	0215	34		E
0341		12	02491	02501	0255	N08	W58	4014	12	7.8	6	SF C 5.3					41	.8	CDEFIJ
	LEAR	12	0249	0250	0256	N08	W62	4014	12	7.5	7	SN C 5.3	3	C			48		F
	VORO	12	0250	0250	0254	N06	W50	4014	12	8.4	4	SF			C	0250	45	.9	CDIJ
	PEKG	12	0250	0251	0255	N09	W61	4014	12	7.5	5	SF			C	0251	29	.6	E
0342	LEAR	12	0336	0339	0352	N11	E29	4022	12	14.3	16	SF		3	C		54		
0343	LEAR	12	0404	0406	0422	S17	E12	4021	12	13.1	18	SF		3	C		50		
0344	LEAR	12	0407	0407	0416	S14	E66	4026	12	17.1	9	SF		3	C		32		
0345	LEAR	12	0459	0508	0535	N10	E20	4022	12	13.7	36	SF C 2.2	2	C			142		F
0346		12	0630*	0631*	0712	N10	E16	4022	12	13.5	42	1N C 4.6					229	2.8	EFKU
	LEAR	12	0630	0631	0713	N10	E16	4022	12	13.5	43	SF	3	C			83		K
	LEAR	12	0630	0646	0713	N10	E16	4022	12	13.5	43	1N C 4.6	3	C			284		FK
	ABST	12	0635	0642	0715	N10	E17	4022	12	13.5	40	1N			C	0642	218	2.3	E
	PEKG	12	0637	0643	0705	N10	E17	4022	12	13.5	28	1N			C	0643	252	2.8	F
	TACH	12	0642	0645	0655D	N10	E17	4022	12	13.5	13D	1N			C	0645	309	3.4	EU
0347	ABST	12	0813	0815	0830	N11	E26	4022	12	14.3	17	SF			C	0815	131	1.5	E
0348	ABST	12	0841	0846	0900	S18	E03	4021	12	12.6	19	SF			C	0846	87	.9	D
0349	LEAR	12	0933	0934	0959D	S13	W10	4028	12	11.6	26D	SF		2	C		54		F
		12	1011		1024	No Flare Patrol													
		12	1116		1119	No Flare Patrol													
		12	1131		1146	No Flare Patrol													
0350	KANZ	12	1154	1157	1218	N13	E25	4022	12	14.4	24	SN		2					
0351	KANZ	12	1251	1258	1301	S08	E63	4026	12	17.2	10	SF		2					
0352	KANZ	12	1305	1308	1318	N01	E35		12	15.1	13	SF		2					G
0353		12	13211	1324	1329	N06	W67	4014	12	7.5	8	SB M 1.0					30		
	KANZ	12	1321		1321D	N06	W67	4014	12	7.5	8D	SB		2					
	RAMY	12	1322	1324	1329	N06	W67	4014	12	7.5	7	SB M 1.0	3	C			30		
0354	RAMY	12	1446	1448	1508	N08	E18	4022	12	14.0	22	SB C 3.4	3	C			65		EF
0355	RAMY	12	1546	1547	1553	N05	W64	4014	12	7.9	7	SN C 2.7	3	C			49		
0356	RAMY	12	1754	1813	1818	N06	W70	4014	12	7.5	24	SN		3	C		47		
0357	RAMY	12	1756	1802	1811	N08	E16	4022	12	13.9	15	SN C 3.3	3	C			34		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0358	RAMY	12	1835	1851	1911	N12	E22	4022	12	14.4	36	SN		3	C		103		
		12	2005		2233			No Flare Patrol											
0359	LEAR	12	2322	2326	2337	S17	E00	4021	12	13.0	15	SF	C 2.3	3	C		31		
0360	LEAR	13	0116	0116	0126	N07	W75	4014	12	7.4	10	SF	C 2.5	3	C				F
0361	LEAR	13	0141	0146	0150	S12	E54	4026	12	17.1	9	SF	C 2.4	3	C		29		F
0362		13	03183	03265	0402	S09	E50	4026	12	16.9	44	2B	M 8.3				304	2.9	FUZ
	PEKG	13	0318	0331	0346	S09	E50	4026	12	16.9	28	1N			C	0331	176	2.9	F
	LEAR	13	0321	0326	0418	S09	E51	4026	12	17.0	57	2B	M 8.3	3	C		433		ZU
0363	LEAR	13	0333	0333	0351	S06	E28	4024	12	15.2	18	SF		3	C		23		
0364	LEAR	13	0354	0357	0403	N06	W73	4014	12	7.7	9	SF		3	C				
0365	LEAR	13	0419	0419	0424	S16	E52	4025A	12	17.1	5	SF		3	C		33		
0366		13	0434	04575	0527	S13	E54	4025A	12	17.3	53	SN	C 6.5				94	1.5	F
	LEAR	13	0434	0457	0527	S13	E53	4025A	12	17.2	53	SF	C 6.5	3	C		103		F
	PURP	13	0502E	0502	0510D	S13	E54	4025A	12	17.3	8D	SN			P	0502	85	1.5	
0367		13	0610	0558*	0622	S05	E36	4025	12	15.9	12	SF					61	1.1	DF
	ABST	13	0556E	0558	0609D	S06	E35	4025	12	15.9	13D	SF			C	0558	87	1.1	D
	LEAR	13	0610	0610	0622	S04	E36	4025	12	15.9	12	SF		3	C		35		F
0368	ABST	13	0556	0602	0628	N10	E14	4022	12	14.3	32	SF			C	0556	105	1.1	D
0369		13	0736*	0741*	0859	S10	E51	4026	12	17.1	83	1B	M 5.2				291	4.6	EFK
	ABST	13	0736	0741	0839D	S11	E50	4026	12	17.1	63D	1N			P	0741	175	2.9	F
	CATA	13	0800E	0805	0805D	S10	E50	4026	12	17.1	5D	2			P	0805	450	7.3	
	LEAR	13	0802	0808	0903	S12	E51	4026	12	17.2	61	2B	M 5.2	3	C		420		FEK
	LEAR	13	0802	0824	0903	S12	E51	4026	12	17.2	61	1N		3	C		203		K
	ATHN	13	0804E	0813	0851	S08	E53	4026	12	17.3	47D	1B		3	V	0813	207	3.5	
0370	LEAR	13	0906	0908	0917	S19	W11	4021	12	12.5	11	SF		3	C		61		
0371	HTPR	13	0911E		0931D	S13	E50	4025A	12	17.1	20D	SF			C	0919	30	.5	E
0372	LEAR	13	0952	0953	1001	S04	E34	4025	12	15.9	9	SF		3	C		39		
0373		13	1127	1134	1147	N10	E08	4022	12	14.1	20	SN					40	.4	E
	HTPR	13	1104E		1111D	N10	E07	4022	12	14.0	7D	SF			C	1109	40	.4	E
	KANZ	13	1127	1134	1147	N11	E10	4022	12	14.2	20	SB		3					
0374		13	1157	12002	1210	N06	W80	4014	12	7.5	13	SN							
	KANZ	13	1157	1200	1217	N06	W81	4014	12	7.4	20	SN		3					
	RAMY	13	1201E	1202	1203	N05	W78	4014	12	7.7	2D	SN		3	C				
0375		13	13081	13211	1354	S12	W28	4028	12	11.4	46	1F	C 3.6				194		FU
	KANZ	13	1308	1321	1341D	S12	W28	4028	12	11.4	33D	1F		2					
	RAMY	13	1309	1322	1354	S13	W29	4028	12	11.3	45	1F	C 3.6	3	C		194		UF
0376	RAMY	13	1642	1645	1649	S05	W17	4020	12	12.4	7	SN		3	C		35		
		13	1704		1737			No Flare Patrol											
0377	RAMY	13	1744	1750	1822	S10	E42	4026	12	16.9	38	SF	C 2.2	3	C		37		
		13	1800		1816			No Flare Patrol											
0378		13	18097	1819*	1857D	N11	E07	4022	12	14.3	48D	SB					117		K
	RAMY	13	1809	1857	1857D	N11	E07	4022	12	14.3	48D	SB		3	C		128		
	HOLL	13	1816	1819	1856D	N11	E07	4022	12	14.3	40D	SN		3	C		107		K
	HOLL	13	1816	1856	1856D	N11	E07	4022	12	14.3	40D	SB		3	C		115		K

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						Lat	CMD	Region									Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0379		13	1817E	1841*	1922	S10	E39	4026	12	16.7	65D	SF					46		K
	HOLL	13	1817E	1841	1922	S10	E39	4026	12	16.7	65D	SF		3	C		31		K
	HOLL	13	1817E	1908	1922	S10	E39	4026	12	16.7	65D	SF		3	C		61		K
0380		13	1952	1959	2123	S09	E42	4026	12	17.0	91	1B M	1.0				240		UZ
	HOLL	13	1952	1959	2123	S09	E43	4026	12	17.0	91	1B M	1.0	3	C		278		ZU
	RAMY	13	1957E	1957U	2040D	S09	E40	4026	12	16.8	43D	1B		3	C		201		
0381		13	2044	2114*	2203	S11	W25	4028	12	12.0	79	1B C	7.0				302		KU
	HOLL	13	2044	2114	2203	S11	W25	4028	12	12.0	79	1N		3	C		299		K
	HOLL	13	2044	2126	2203	S11	W25	4028	12	12.0	79	1B C	7.0	3	C		306		UK
0382	HOLL	13	2112	2112	2208	N12	E07	4022	12	14.4	56	1N		3	C		289		
		13	2234		2239	No Flare Patrol													
0383	PEKG	14	0417	0422	0432	N10	E01	4022	12	14.2	15	SF			P	0422	55	.6	E
0384		14	0627*	0630*	0749D	S10	E34	4026	12	16.8	82D	1N					126	1.9	F
	ABST	14	0627	0630	0712D	S08	E33	4026	12	16.7	45D	1F			P	0630	175	2.2	F
	ABST	14	0634	0741	0749D	S11	E34	4026	12	16.8	75D	1N			P	0741	172	2.2	F
	ATHN	14	0734	0737	0744D	S10	E34	4026	12	16.9	10D	SN		3	V	0737	111	1.4	F
	LEAR	14	0740	0741	0742D	S10	E34	4026	12	16.9	2D	SF		2	C		45		F
0385	HTPR	14	0902	0903	0905	S12	E33	4026	12	16.9	3	SN			C	0903	30	.3	
0386		14	0904	09175	0946	N10	W14	4022	12	13.3	42	SN					80	.8	
	HTPR	14	0904	0917	0953	N10	W15	4022	12	13.2	49	SN			C	0917	80	.8	
	KANZ	14	0918E	0922	0938	N09	W14	4022	12	13.3	20D	SN		2					
0387	HTPR	14	0948	0950	1002	S05	E09	4024	12	15.1	14	SF			C	0950	30	.3	E
0388		14	10042	1008	1020	N10	W12	4022	12	13.5	16	SF					20	.2	
	KANZ	14	1004	1008	1015	N11	W13	4022	12	13.4	11	SF		2					
	HTPR	14	1006	1008	1025	N10	W12	4022	12	13.5	19	SF			C	1008	20	.2	
0389	KANZ	14	1022	1025	1038	S03	E11	4024	12	15.2	16	SF		1					
0390		14	11471	1154	1207	S16	E30	4025A	12	16.8	20	SF					20	.2	
	KANZ	14	1147	1154	1204	S15	E30	4025A	12	16.8	17	SF		2					
	HTPR	14	1148	1154	1210	S17	E30	4025A	12	16.8	22	SF			C	1154	20	.2	
0391	KANZ	14	1201	1204	1211	N10	W14	4022	12	13.4	10	SF		2					
0392		14	1217*	1234*	1316	N11	W03	4022	12	14.3	59	SF					60	.7	E
	HTPR	14	1216E		1446D	N11	W04	4022	12	14.2	150D	SF			C	1315	70	.7	E
	KANZ	14	1217	1234	1330	N12	W02	4022	12	14.4	73	SN		2					
	RAMY	14	1244	1246	1302	N11	W02	4022	12	14.4	18	SF		3	C		50		
0393		14	1251*	1254*	1312	S11	E34	4026	12	17.1	21	SN C	3.1				48	.4	E
	HTPR	14	1251	1254	1301	S12	E35	4026	12	17.2	10	SF			C	1254	20	.2	E
	KANZ	14	1303	1307	1313	S11	E33	4026	12	17.0	10	SN		2					
	HTPR	14	1304	1306	1316	S12	E33	4026	12	17.0	12	SB			C	1306	50	.6	
	RAMY	14	1305	1307	1320	S10	E33	4026	12	17.0	15	SB C	3.1	3	C		73		
0394	HTPR	14	1258	1306	1310	N10	W17	4022	12	13.3	12	SF			C	1306	20	.2	E
0395	HTPR	14	1344	1349	1356	S10	E40	4026	12	17.6	12	SB			C	1349	50	.6	E
0396		14	13472	1350	1356	S08	E32	4026	12	17.0	9	SN					42		
	KANZ	14	1347		1350D	S08	E33	4026	12	17.0	3D	SN		2					
	RAMY	14	1349	1350	1356	S09	E32	4026	12	17.0	7	SN		3	C		42		
0397		14	13591	14014	1429	S08	E06	4024	12	15.0	30	SF C	2.0				90	1.5	EU
	HTPR	14	1359	1405	1432	S08	E07	4024	12	15.1	33	SF			C	1405	150	1.5	EU
	RAMY	14	1400	1401	1426	S08	E06	4024	12	15.0	26	SF C	2.0	3	C		31		
0398	RAMY	14	1421	1422	1433	S17	W23	4021	12	12.8	12	SN		3	C		43		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0399	HOLL	14	1455	1502	1533	S11	W45	4017	12	11.2	38	SN	C 2.1	3	C		57		F
0400	RAMY	14	1502	1502	1524	S13	W38	4028	12	11.7	22	SN		3	C		45		F
0401		14	15239	1541	1552	S10	E32	4026	12	17.0	29	SN	C 2.8				44		F
	HOLL	14	1523	1541	1552	S11	E32	4026	12	17.0	29	SN	C 2.8	3	C		53		F
	RAMY	14	1532	1541	1552	S10	E32	4026	12	17.0	20	SN		3	C		36		F
0402		14	1559	1600*	1632	S17	W24	4021	12	12.8	33	SN					62		K
	RAMY	14	1559	1600	1632	S17	W24	4021	12	12.8	33	SN		3	C		47		K
	RAMY	14	1559	1613	1632	S17	W24	4021	12	12.8	33	SN		3	C		76		K
0403		14	1606*	1619	1658	S10	E30	4026	12	16.9	52	SB	C 2.0				84		EF
	HOLL	14	1606	1619	1706	S11	E30	4026	12	16.9	60	SB	C 2.0	3	C		104		FE
	RAMY	14	1619	1619	1650	S09	E30	4026	12	16.9	31	SB		3	C		65		F
0404		14	17284	1735*	1800	S10	E28	4026	12	16.8	32	SN	C 2.1				34		F
	RAMY	14	1728	1749	1806	S09	E28	4026	12	16.8	38	SN	C 2.1	3	C		33		
	HOLL	14	1732	1735	1753	S10	E29	4026	12	16.9	21	SF		3	C		35		F
0405	HOLL	14	1731	1736	1802	S17	W24	4021	12	12.9	31	SF		3	C		22		F
0406	HOLL	14	1752	1752	1800	N10	W15	4022	12	13.6	8	SF		3	C		30		F
0407	HOLL	14	1824	1825	1844	S18	W24	4021	12	12.9	20	SF		3	C		26		
0408	HOLL	14	2011	2012	2017	S16	W25	4021	12	12.9	6	SF		3	C		49		
0409		14	20141	2018*	2129	S09	E26	4026	12	16.8	75	SN	C 7.6				100		FK
	RAMY	14	2014	2028	2056D	S09	E26	4026	12	16.8	42D	SB		3	C		99		K
	HOLL	14	2014	2032	2135	S09	E26	4026	12	16.8	81	SN	C 7.6	3	C		171		F
	RAMY	14	2014	2047	2056D	S09	E26	4026	12	16.8	42D	SN		3	C		79		K
	PALE	14	2015	2018	2123	S09	E27	4026	12	16.9	68	SN		3	C		53		F
0410		14	21404	21442	2254	N10	W08	4022	12	14.3	74	1N					137		F
	HOLL	14	2140	2146	2337	N09	W09	4022	12	14.2	117	1N		3	C		237		F
	PALE	14	2144	2144	2210	N12	W08	4022	12	14.3	26	SN		3	C		37		F
0411	HOLL	14	2143	2143	2224	S10	E25	4026	12	16.8	41	SF		3	C		25		F
0412	HOLL	14	2225	2225	2244	S15	W27	4021	12	12.9	19	SN		3	C		31		
0413	LEAR	14	2230E	2230U	2302	N11	W08	4022	12	14.3	32D	SF		3	C		109		F
0414	PALE	15	0132	0133	0140	S08	E04	4025	12	15.4	8	SF		2	C		50		F
0415		15	01508	01597	0248	S09	E24	4026	12	16.9	58	2B	X12.9				942	11.8	PHILUYZ
	LEAR	15	0150	0159	0326	S10	E24	4026	12	16.9	96	2B	X12.9	3	C		515		Z
	PEKG	15	0155	0203	0248	S10	E24	4026	12	16.9	53	2N			P	0203	526	6.0	F
	PALE	15	0157	0200	0304D	S08	E24	4026	12	16.9	67D	2B		3	C		957		Z
	MITK	15	0158	0201	0233	S08	E24	4026	12	16.9	35	3B			C	0201	1660	18.8	UZ
	YUNN	15	0158	0203	0227	S08	E23	4026	12	16.8	29	3B			P		1258	14.2	Y
	VORO	15	0206E	0206	0245	S09	E24	4026	12	16.9	39D	2F			C	0206	735	8.3	HIL
0416	LEAR	15	0252	0305	0327	S14	W46	4028	12	11.6	35	SF		3	C		30		F
0417	LEAR	15	0328	0329	0351	N10	W18	4022	12	13.8	23	SF		3	C		32		
0418	LEAR	15	0506	0508	0523	S07	W40	4020	12	12.2	17	SN		3	C		68		
0419	LEAR	15	0625	0630	0648	S13	W40	4028	12	12.2	23	SN	C 3.5	3	C		155		F
0420	LEAR	15	0634	0634	0641	S08	E78	4029	12	21.1	7	SF		3	C				
		15	1316		1426	No Flare Patrol													
		15	1453		1458	No Flare Patrol													
0421	HOLL	15	1516	1516	1523	S09	E15	4026	12	16.8	7	SF		3	C		23		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	Remarks
0422	HOLL	15	1536	1540	1551	S10	E15	4026	12	16.8	15	SN		3	C		24		F
0423	HOLL	15	1541	1545	1603	N10	W17	4022	12	14.4	22	SN	C 3.4	3	C		25		F
0424		15	1620	1621	1749	S10	E15	4026	12	16.8	89	1B	X 5.0				325		KUZ
	HOLL	15	1620	1621	1749	S10	E15	4026	12	16.8	89	SN		3	C		36		K
	HOLL	15	1620	1637U	1749	S10	E15	4026	12	16.8	89	2B	X 5.0	3	C		614		ZUK
0425	HOLL	15	1647	1648	1705	S12	W59	4017	12	11.2	18	SN		3	C		67		F
		15	1743		1748	No Flare Patrol													
0426	HOLL	15	1752	1752	1809	S16	W38	4021	12	12.9	17	SN		3	C		19		F
0427	HOLL	15	1757	1757	1843	N10	W28	4022	12	13.6	46	SN		3	C		57		F
0428	HOLL	15	1813	1823	1851	S11	W56	4017	12	11.5	38	SF		3	C		17		
0429		15	2045E	2048*	2321	S06	E00	4025	12	15.9	156D	1B	M 2.5				487		EFHKZ
	PALE	15	2045E	2048	2321	S06	W01	4025	12	15.8	156D	1B		2	C		463		K
	PALE	15	2045E	2152	2321	S06	W01	4025	12	15.8	156D	2B	M 2.5	2	C		541		FEK
	HOLL	15	2047E	2047U	2102D	S05	E03	4025	12	16.1	15D	1B		2	C		457		ZH
0430	PALE	15	2048	2048	2056	S02	W11	4024	12	15.0	8	SF		3	C		38		
0431	PALE	15	2204	2204	2231	N09	W30	4022	12	13.7	27	SN		3	C		46		F
0432	LEAR	15	2252	2256	2301D	S13	W42	4021	12	12.8	9D	SF		3	C		50		
		15	2302		2307	No Flare Patrol													
0433	PALE	16	0058	0059	0114	N09	W33	4022	12	13.6	16	SF		2	C		48		F
0434	PALE	16	0130	0131	0148	N15	W40	4022	12	13.0	18	SF		2	C		42		F
0435	PALE	16	0219	0219	0228	S11	E13	4026	12	17.1	9	SF		2	C		26		
0436		16	0306Z	0307Z	0313	S12	E13	4026	12	17.1	7	SN					58		
	LEAR	16	0306	0307	0313	S12	E13	4026	12	17.1	7	SN		3	C		60		
	PALE	16	0308	0309	0313	S11	E13	4026	12	17.1	5	SF		2	C		55		
0437	PURP	16	0457	0502	0556	S16	W44	4021	12	12.9	59	SF			C	0502	26	.4	E
0438	PURP	16	0543	0550	0556D	S08	W04	4025	12	15.9	13D	SN			C	0550	65	.7	
0439	LEAR	16	0621	0621	0630	S11	E11	4026	12	17.1	9	SF	C 4.8	3	C		43		
0440	LEAR	16	0724	0727	0758	S02	W12	4025	12	15.4	34	SN		3	C		68		
0441	HTPR	16	0756E		0828D	S05	W14	4024	12	15.3	32D	SF			C	0800	80	.8	E
0442		16	08086	08151	0822	S09	E06	4026	12	16.8	14	SF					34	.4	
	HTPR	16	0808	0816	0823	S09	E06	4026	12	16.8	15	SF			C	0816	40	.4	
	LEAR	16	0814	0815	0820	S09	E07	4026	12	16.9	6	SF		3	C		28		
0443		16	0841E		0906	S08	E06	4026	12	16.8	25D	SN					40	.4	
	HTPR	16	0841E		0847D	S08	E06	4026	12	16.8	6D	SB			C	0846	50	.5	
	HTPR	16	0854E		0906	S08	E06	4026	12	16.8	12D	SF			C	0901	30	.3	
0444	HTPR	16	0854E		1004	N10	W30	4022	12	14.1	70D	SN			C	0921	40	.4	
0445	HTPR	16	0910	0910	0948	S18	E04		12	16.7	38	SF			C	0921	50	.5	
0446	HTPR	16	0925		1036	S07	W08	4025	12	15.8	71	SN			C	0948	100	1.0	EK
0447	HTPR	16	0942		1002	S06	W01	4025	12	16.3	20	SF			C	0949	40	.4	
0448		16	0955*	10073	1036	S11	E04	4026	12	16.7	41	1B	M 3.4				318	3.3	EFK
	CATA	16	0955	1010	1035D	S11	E05	4026	12	16.8	40D	1		1	P	1010	394	4.1	
	HTPR	16	0956		1036	S12	E03	4026	12	16.6	40	1B			C	1006	250	2.5	EK
	LEAR	16	1007	1007	1020D	S10	E05	4026	12	16.8	13D	1B	M 3.4	2	C		309		F

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																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0449	16	10081	10111	1020	S14	W50	4021	12	12.6	12	SF						40	.5	
	HTPR	16	1008	1012	1020	S14	W50	4021	12	12.6	12	SF				1012	30	.5	
	LEAR	16	1009	1011	1020D	S14	W50	4021	12	12.6	11D	SF		2	C		49		
		16	1131		1139	No Flare Patrol													
0450	HTPR	16	1206	1207	1210	S10	W02	4026	12	16.3	4	SF			C	1207	10	.1	
0451	HTPR	16	1214	1224	1235	N08	W40	4022	12	13.5	21	SF			C	1224	30	.4	
0452	HTPR	16	1238	1251	1336	S10	E04	4026	12	16.8	58	SN			C	1251	30	.3	
0453	16	1417*	1420*	1447	S10	E04	4026	12	16.9	30	SB	M 1.1					122	1.5	EF
	HTPR	16	1417		1443	S10	E02	4026	12	16.7	26	SN			C	1421	150	1.5	E
	RAMY	16	1418	1425	1451	S10	E04	4026	12	16.9	33	SB	M 1.1	3	C		163		F
	HOLL	16	1419E	1420	1449D	S10	E04	4026	12	16.9	30D	SB		1	C		80		F
	RAMY	16	1457	1458	1459D	S11	E05	4026	12	17.0	2D	SB		3	C		94		
0454	RAMY	16	1436	1438	1450	S16	W49	4021	12	12.9	14	SN		3	C		33		
0455	16	14538	15018	1612	S06	W08	4025	12	16.0	79	2B	X 1.6					528		FZ
	RAMY	16	1453	1505	1709	S07	W09	4025	12	15.9	136	2B	X 1.6	3	C		576		FZ
	HOLL	16	1459E	1459U	1515	S07	W02	4025	12	16.5	16D	SN		3	C		143		
	HOLL	16	1459E	1509	1556D	S06	W10	4025	12	15.9	57D	2B		3	C		820		
	HOLL	16	1501	1501	1503D	S06	W10	4025	12	15.9	2D	2B		3	C		571		
0456	16	16493	1653	1716	S20	W49	4021	12	12.9	27	SN						124		
	RAMY	16	1649	1653	1726	S20	W49	4021	12	12.9	37	SN		3	C		133		
	HOLL	16	1652	1653	1707	S19	W49	4021	12	13.0	15	SN		3	C		115		
0457	RAMY	16	1710	1713	1809	S05	W12	4025	12	15.8	59	SF		3	C		87		
		16	1829		1833	No Flare Patrol													
0458	HOLL	16	1924	1929	2114	S17	W51	4021	12	12.9	110	1B	M 1.3	3	C		241		FZ
0459	HOLL	16	1927	1928	1934	S08	E01	4026	12	16.9	7	SN		3	C		45		
0460	16	2010	2013*	2108	S12	E02	4026	12	17.0	58	SN						86		FK
	HOLL	16	2010	2013	2108	S12	E02	4026	12	17.0	58	SN		3	C		82		FK
	HOLL	16	2010	2035	2108	S12	E02	4026	12	17.0	58	SN		3	C		90		K
0461	HOLL	16	2028	2030	2043	N11	W34	4022	12	14.3	15	SF		3	C		20		
0462	HOLL	16	2204	2211	2228	N11	W34	4022	12	14.4	24	SF		3	C		54		F
0463	HOLL	16	2211	2212	2230	S16	W53	4021	12	12.9	19	SB	C 3.8	3	C		58		F
0464	HOLL	16	2303	2313	2338	N10	W35	4022	12	14.3	35	SN		3	C		63		F
0465	HOLL	16	2320	2320	2331	S05	W26	4024	12	15.0	11	SF		3	C		34		F
		16	2351		2400	No Flare Patrol													
		17	0000		0003	No Flare Patrol													
		17	0019		0023	No Flare Patrol													
		17	0034		0056	No Flare Patrol													
		17	0104		0209	No Flare Patrol													
0466	LEAR	17	0153E	0153U	0206D	S11	W03	4026	12	16.8	13D	1B		2	C		403		FU
0467	PEKG	17	0221	0226	0257	N11	W38	4022	12	14.2	36	SN			C	0226	113	1.5	F
0468	PEKG	17	0224	0226	0232	S09	W04	4026	12	16.8	8	SF			C	0226	97	1.0	E
0469	17	0400*	0404*	0457	N11	W39	4022	12	14.2	57	SN	C 8.4					122	1.6	EFK
	PEKG	17	0400	0404	0455	N11	W39	4022	12	14.2	55	SF			C	0404	92	1.3	EK
	PEKG	17	0400	0426	0455	N11	W40	4022	12	14.1	55	1N			C	0426	160	2.2	F
	LEAR	17	0421	0427	0500	N10	W38	4022	12	14.3	39	SB	C 8.4	3	C		138		F
	MANI	17	0427E	0427U	0433D	N11	W38	4022	12	14.3	6D	SN		1	V		100	1.4	

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0470		17	04405	04492	0512	S20	W55	4021	12	13.0	32	1N	C 8.7				94	2.2	F
	LEAR	17	0440	0451	0520	S20	W54	4021	12	13.1	40	SN	C 8.7	3	C		71		
	PEKG	17	0445	0449	0505	S19	W56	4021	12	12.9	20	1F			C	0449	118	2.2	F
0471		17	05171	05183	0538	S15	W02	4026	12	17.1	21	1N					170	1.2	EF
	PEKG	17	0517	0518	0530	S15	W03	4026	12	17.0	13	SN			C	0518	113	1.2	E
	LEAR	17	0518	0521	0547	S15	W01	4026	12	17.1	29	1N		3	C		227		F
0472	KAND	17	0700E	0719U	0728	S03	W20	4025	12	15.8	28D	SF			C				
0473		17	07293	07331	0804	N12	W40	4022	12	14.3	35	SN					54	.7	D
	KAND	17	0729	0733	0752	N11	W41	4022	12	14.2	23	SN			C				D
	BUCA	17	0732	0734	0815	N12	W40	4022	12	14.3	43	SN			C	0734	54	.7	D
0474		17	08064	08121	0831	S15	W60	4021	12	12.8	25	SN					32	.6	DE
	KAND	17	0806	0813	0829	S16	W61	4021	12	12.7	23	SN			C				E
	HTPR	17	0807		0823	S15	W59	4021	12	12.9	16	SF			C	0815	20	.4	E
	BUCA	17	0810	0812	0840	S15	W60	4021	12	12.8	30	SN			C	0812	43	.9	D
0475	YUNN	17	0905	0910	0915	N12	W41	4022	12	14.3	10	SF			P		16	.2	D
0476		17	09104	09241	0940	S07	W14	4025	12	16.3	30	SN					16	.2	D
	YUNN	17	0910	0925	0930	S07	W14	4025	12	16.3	20	SF			P		16	.2	D
	KAND	17	0914	0924	0949	S07	W13	4025	12	16.4	35	SN			C				D
0477	KAND	17	0931	0933	0945	N11	W41	4022	12	14.3	14	SN			C				T
0478		17	10011	10042	1022	S17	W61	4021	12	12.8	21	1B					95	2.1	E
	KAND	17	1001	1006	1027	S16	W61	4021	12	12.8	26	SN			C				E
	ATHN	17	1002	1004	1018	S18	W61	4021	12	12.8	16	1B		3	V	1004	95	2.1	
0479	HOLL	17	1518	1518	1523	S05	W24	4025	12	15.8	5	SN		3	C		28		
0480		17	16403	17071	1740	S12	W12	4026	12	16.8	60	SB M 1.4					123		EFU
	HOLL	17	1640	1708	1743	S12	W13	4026	12	16.7	63	SB M 1.4	3	C			138		UF
	RAMY	17	1643	1707	1738	S11	W12	4026	12	16.8	55	SB	3	C			108		FE
0481	HOLL	17	1709	1709	1732	N11	W47	4022	12	14.2	23	SN		3	C		25		F
0482		17	1725	1826*	1947	S16	W65	4021	12	12.8	142	SN					70		FK
	HOLL	17	1725	1826	1947	S16	W65	4021	12	12.8	142	SF		3	C		38		K
	HOLL	17	1725	1850	1947	S16	W65	4021	12	12.8	142	SN		3	C		103		FK
0483	RAMY	17	1820	1857	2019D	S07	W20	4025	12	16.3	119D	3B		3	C		1613		UZ
0484		17	18489	18507	1859	S12	W76	4028	12	12.0	11	SN					19		
	RAMY	17	1848	1850	1855	S12	W74	4028	12	12.2	7	SN		3	C				
	RAMY	17	1857	1857	1903	S11	W78	4028	12	11.9	6	SF		3	C		19		
0485		17	20271	20301	2043	S10	W12	4026	12	16.9	16	SN					93		F
	HOLL	17	2027	2030	2043	S08	W14	4026	12	16.8	16	SN		3	C		101		F
	RAMY	17	2028	2031	2041D	S12	W10	4026	12	17.1	13D	SN		3	C		85		F
0486		17	2057	21067	2225	S08	W14	4026	12	16.8	88	2B M 4.2					452		FKU
	HOLL	17	2057	2106	2225	S08	W14	4026	12	16.8	88	1B		3	C		391		K
	HOLL	17	2057	2113	2225	S08	W14	4026	12	16.8	88	2B M 4.2	3	C			512		UFK
		17	2146		2213	No Flare Patrol													
0487	HOLL	17	2217	2250	2345D	S15	W66	4021	12	12.9	88D	1B M 5.0	3	C			202		EF
0488	HOLL	17	2307	2307	2312	S12	W12	4026	12	17.0	5	SN		3	C		31		
0489	PEKG	18	0221	0228	0228D	S12	W19	4026	12	16.7	7D	SF			P	0228	63	.7	E
0490	PEKG	18	0222	0228	0230	S08	W41	4024	12	15.0	8	SN			P	0228	113	1.6	E
0491	PEKG	18	0235	0241	0244	S11	W21	4026	12	16.5	9	SN			P	0241	59	.6	D

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																	Apparent (10 ⁻⁶ Disk)			
0492		18	0304	0309*	0335	S10	W17	4026	12	16.8	31	SN					110		1.2	EFHK
	LEAR	18	0257E	0324	0343	S11	W18	4026	12	16.8	46D	SN		2	C		115			FH
	PEKG	18	0304	0309	0332	S10	W17	4026	12	16.8	28	SN			P	0309	71		.8	EK
	PEKG	18	0304	0329	0332	S11	W17	4026	12	16.8	28	SN			P	0329	143		1.7	E
	MITK	18	0319E	0325	0333	S10	W17	4026	12	16.9	14D	SF			C	0325				E
0493		18	0351	03536	0406	N10	W51	4022	12	14.3	15	SF	C 8.6				34		.6	E
	LEAR	18	0351	0353	0355D	N09	W51	4022	12	14.3	4D	SF	C 8.6	2	C		34			
	PEKG	18	0351	0359	0406	N10	W51	4022	12	14.3	15	SF			P	0359	34		.6	E
0494		18	0356	0359	0456	S10	W20	4026	12	16.7	60	SF					45		.6	E
	PEKG	18	0356	0359	0420D	S11	W19	4026	12	16.7	24D	SF			P	0359	59		.6	E
	LEAR	18	0437E	0445U	0456	S10	W20	4026	12	16.7	19D	SF		2	C		31			
0495		18	0602*	06215	0640	S10	W19	4026	12	16.8	38	SN	C 4.3				52		.7	EF
	LEAR	18	0602	0626	0645	S10	W19	4026	12	16.8	43	SN	C 4.3	2	C		40			F
	PEKG	18	0620	0621	0635	S09	W19	4026	12	16.8	15	SN			P	0621	63		.7	E
0496	LEAR	18	0620	0627	0646	N10	W52	4022	12	14.3	26	SF		3	C		37			F
0497	LEAR	18	0648	0650	0658	S18	E71	4031	12	23.7	10	SF		3	C		30			
0498	LEAR	18	0649	0658	0705	S12	W18	4026	12	16.9	16	SN	C 3.3	3	C		58			F
0499	LEAR	18	0722	0727	0733	S11	W21	4026	12	16.7	11	SN		3	C		70			
0500		18	0822	0825	0856	S10	W20	4026	12	16.8	34	1B	X 1.2				396			EFZ
	LEAR	18	0822	0825	0856	S10	W20	4026	12	16.8	34	1B	X 1.2	3	C		396			ZF
	ISTA	18	0836E		0857	S10	W20	4026	12	16.8	21D	1N								E
		18	0902		0921	No Flare Patrol														
0501	LEAR	18	0941	0955	0956	S18	E68	4031	12	23.6	15	SF		3	C		13			
0502		18	09535	0958	1022	N12	W55	4022	12	14.3	29	SN	M 1.0				78		1.3	EF
	LEAR	18	0953	0958	1016	N11	W53	4022	12	14.4	23	SN	M 1.0	3	C		87			F
	HTPR	18	0958		1028	N14	W57	4022	12	14.1	30	SN			C	1000	70		1.3	E
0503	HTPR	18	1154	1156	1158	S04	W22	4026	12	16.8	4	SF			C	1156	20		.2	
0504	HTPR	18	1156	1200	1258	S13	E65	4031	12	23.4	62	SF			C	1200	30		.6	
0505	RAMY	18	1358	1405	1417	S10	W22	4026	12	16.9	19	SF	C 5.0	3	C		47			
0506		18	1504	15071	1534	S10	W21	4026	12	17.0	30	2B	X 1.1				677			EFU
	HOLL	18	1504	1507	1522	S10	W20	4026	12	17.1	18	2B		2	C		650			UE
	RAMY	18	1504	1508	1545	S11	W22	4026	12	17.0	41	2B	X 1.1	3	C		704			FE
0507	HOLL	18	1656	1658	1708	S18	E62	4031	12	23.4	12	SF		3	C		26			F
0508	HOLL	18	1735	1737	1740	N10	W58	4022	12	14.4	5	SF		3	C		18			F
0509	HOLL	18	1927	1928	1935	S13	W29	4026	12	16.6	8	SF		3	C		44			
0510	HOLL	18	1949	1952	2018	S11	W85	4021	12	12.4	29	SB	C 4.2	3	C					
0511	HOLL	18	2018	2018	2024	N11	W63	4022	12	14.1	6	SN		3	C		14			
0512	HOLL	18	2118	2118	2124	S07	W38	4025	12	16.0	6	SF		3	C		26			
0513	HOLL	18	2214	2221	2226	S11	W29	4026	12	16.7	12	SF		3	C		22			
0514		18	2249	2259	2321	N11	W61	4022	12	14.4	32	SF	C 3.2				25			F
	HOLL	18	2249	2259	2259D	N12	W61	4022	12	14.3	10D	SF	C 3.2	3	C		33			
	LEAR	18	2253E	2259	2321	N10	W61	4022	12	14.4	28D	SF		3	C		17			F
0515	LEAR	18	2310	2311	2318	S11	W29	4026	12	16.8	8	SF		3	C		70			

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Apparent (10 ⁻⁶ Disk)	Measurement Corr (Sq Deg)	Remarks
0516	LEAR	18	2330	2330	2348	S13	W31	4026	12	16.6	18	SF		3	C		48		
0517	LEAR	18	2351	2403	2444	N11	W62	4022	12	14.3	53	SF		3	C		60		
0518	LEAR	19	0004	0012	0031	S04	W43	4025	12	15.8	27	SF		3	C		34		
0519	LEAR	19	0020	0021	0023	S05	E29	4029	12	21.2	3	SF		3	C		32		
0520	LEAR	19	0046	0054	0120	S08	W40	4025	12	16.0	34	SB C	7.9	3	C		104		F
0521	LEAR	19	0125*	01363	0202	S10	W30	4026	12	16.8	37	1B M	3.3				379	3.4	FU
	LEAR	19	0125	0139	0220	S11	W29	4026	12	16.9	55	1B M	3.3	3	C		477		U
	PEKG	19	0135	0136	0144	S10	W31	4026	12	16.7	9	1N			C	0136	281	3.4	F
0522	LEAR	19	0144	0147	0203	N12	W63	4022	12	14.3	19	SF		3	C		14		
0523	LEAR	19	02264	02293	0255	S13	W32	4026	12	16.7	29	1N C	4.6				336	3.2	F
	LEAR	19	0226	0229	0310	S13	W32	4026	12	16.7	44	1N C	4.6	3	C		419		
	PEKG	19	0230	0232	0240	S13	W33	4026	12	16.6	10	1N			P	0232	252	3.2	F
0524	LEAR	19	0453	0454	0503	S10	W29	4026	12	17.0	10	SF C	2.3	3	C		54		F
0525	LEAR	19	0501	0502	0505	N06	W67	4022	12	14.2	4	SF		3	C		17		
0526	LEAR	19	0610*	0613*	0650	N18	W62		12	14.5	40	SF					34		EF
	LEAR	19	0610	0613	0622	N17	W62		12	14.5	12	SF		3	C		14		F
	PEKG	19	0623	0629	0717	N19	W63		12	14.4	54	SF			C	0629	55		E
0527	LEAR	19	0636*	0640*	0652	S09	W31	4026	12	16.9	16	SF					80	.8	EFH
	LEAR	19	0636	0653	0702	S09	W30	4026	12	17.0	26	SN		3	C		97		FH
	PEKG	19	0639	0640	0642	S10	W32	4026	12	16.9	3	SF			C	0640	76	.9	E
	PEKG	19	0647	0649	0650D	S09	W32	4026	12	16.9	3D	SF			P	0649	67	.8	E
0528	LEAR	19	0753	0753	0757	S11	W35	4026	12	16.7	4	SF		3	C		32		F
0529	LEAR	19	0817	0818	0823	S11	W35	4026	12	16.7	6	SF		3	C		36		
0530	ABST	19	0824	0831	0835	S10	W54	4024	12	15.3	11	SN			C	0831	87	1.5	D
0531	LEAR	19	08228	0830	0836	N08	W72	4022	12	13.9	14	SF					56		
	LEAR	19	0822	0830	0837	N08	W72	4022	12	13.9	15	SF		3	C				
	CATA	19	0830	0830	0835	N09	W73	4022	12	13.9	5	S		2	C	0830	56		
0532	LEAR	19	08559	0900*	0928	S10	W32	4026	12	17.0	33	SB C	9.4				155	1.7	EFH
	LEAR	19	0855	0900	0931	S09	W32	4026	12	17.0	36	1N C	9.4	2	C		209		FH
	ABST	19	0855	0901	0908D	S10	W32	4026	12	17.0	13D	SB			P	0901	131	1.5	E
	HTPR	19	0904		0926	S12	W32	4025	12	17.0	22	SB			C	0904	140	1.7	E
	CATA	19	0905E	0910	0910D	S09	W34	4026	12	16.8	5D	S		1	P	0910	140	1.8	
0533	HTPR	19	09472	09504	0958	N10	W72	4022	12	14.0	11	SN C	4.4				43		F
	LEAR	19	0947	0954	1002	N12	W72	4022	12	14.0	15	SN			C	0954	30		
	LEAR	19	0949	0950	0954	N09	W71	4022	12	14.1	5	SF C	4.4	2	C		56		F
0534	RAMY	19	1206	1237	1319	N10	W62	4022	12	14.8	73	SF		3	C		46		
		19	1456		1507	No Flare Patrol													
0535	RAMY	19	1508*	1522*	1733	N10	W75	4022	12	14.0	145	1B M	9.0				94		FKYZ
	HOLL	19	1515	1522	1531	N09	W75	4022	12	14.0	16	SF		3	C				F
	HOLL	19	1541	1616	1834	N10	W75	4022	12	14.0	173	SB		3	C		94		K
	HOLL	19	1541	1632	1834	N10	W75	4022	12	14.0	173	2B M	9.0	3	C				ZYK
0536	HOLL	19	1838	1841	1901	S16	W36	4026	12	17.0	23	SF		3	C		33		F
0537	HOLL	19	1918	1918	1929	S16	W36	4026	12	17.1	11	SF		3	C		24		F
0538	HOLL	19	1934	1937	1947	S17	W37	4026	12	17.0	13	SF		3	C		28		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0539	HOLL	19	2219	2219	2231	S16	W38	4026	12	17.0	12	SF		3	C		30		
0540		19	22305	22314	2236	N10	W80	4022	12	13.9	6	SN							F
	HOLL	19	2230	2231	2233	N09	W80	4022	12	13.9	3	SN		3	C				
	HOLL	19	2235	2235	2239	N10	W79	4022	12	14.0	4	SN		3	C				F
0541		19	2246*	23175	2341	S09	W44	4026	12	16.6	55	1N					151		FH
	HOLL	19	2246	2317	2352D	S08	W43	4026	12	16.7	66D	1N		3	C		247		FH
	LEAR	19	2314	2322	2341	S10	W44	4026	12	16.7	27	SN		3	C		55		FH
		19	2353		2400	No Flare Patrol													
		20	0000		0009	No Flare Patrol													
0542	LEAR	20	0019	0025	0044	N10	W76	4022	12	14.3	25	SN M	2.0	3	C				F
0543	LEAR	20	0216	0217	0221	N07	W79	4022	12	14.2	5	SF M	1.3	3	C				
0544		20	03414	03425	0352	S10	W42	4026	12	17.0	11	SF					56	.8	EF
	LEAR	20	0341	0342	0353	S11	W42	4026	12	17.0	12	SF		3	C		58		F
	PEKG	20	0345	0347	0350	S09	W43	4026	12	16.9	5	SF			C	0347	55	.8	E
0545	LEAR	20	0635	0635	0639	N09	W80	4022	12	14.3	4	SF		3	C				
0546	LEAR	20	0730	0740	0745	S08	W56	4025	12	16.1	15	SF		3	C		24		
0547		20	08496	09004	0935	S10	W47	4026	12	16.8	46	1B C	6.9				172	2.2	EF
	LEAR	20	0849	0903	0950	S11	W48	4026	12	16.7	61	1B C	6.9	3	C		210		F
	ABST	20	0855	0900	0900D	S10	W46	4026	12	16.9	5D	SN			P	0900	131	1.8	E
	ATHN	20	0856E	0904	0920	S09	W47	4026	12	16.8	24D	1B		2	V	0904	175	2.6	
		20	1401		1416	No Flare Patrol													
0548	HOLL	20	1602	1603	1614	S06	W58	4025	12	16.3	12	SN		3	C		32		
0549	HOLL	20	1617	1619	1725	S07	W62	4025	12	16.0	68	SB		3	C		111		EF
0550	HOLL	20	1802E	1802U	1836	N16	W45	4034	12	17.3	34D	SN		3	C		21		FH
0551	HOLL	20	1938	1953	2014	S07	W64	4025	12	16.0	36	SF		3	C		31		
0552		21	0554	06032	0635	S09	W70	4025	12	16.0	41	2N					223	5.8	F
	LEAR	21	0554	0605	0612D	S10	W70	4025	12	16.0	18D	1N		2	C		255		F
	ATHN	21	0600E	0603	0635	S08	W71	4025	12	15.9	35D	2F		3	V	0603	191	5.8	
0553		21	0601*	0613	0646	S10	W64	4026	12	16.4	45	1N					109		EF
	LEAR	21	0601	0605U	0648	S11	W66	4026	12	16.3	47	SF		2	C		44		F
	ABST	21	0611	0613	0645	S09	W61	4026	12	16.7	34	1N			C	0613	174		E
0554	ABST	21	0656	0704	0735	N14	W54	4034	12	17.2	39	SF			C	0704	87	1.6	D
0555	CATA	21	0800	0810	0815	S13	E90	4033	12	28.1	15	1		2	C	0810	56		
0556	CATA	21	0920	0920	0925	S13	E90	4033	12	28.2	5	1		2	C	0920	56		
0557	CATA	21	1130	1130	1140D	S09	E90	4033	12	28.2	10D	1		2	P	1130	56		
0558	HTPR	21	1151	1151	1155	S15	E90	4033	12	28.3	4	SF			C	1151	10		A
0559	HTPR	21	1202	1214	1220	S18	E16	4036	12	22.7	18	SF			C	1214	20	.2	E
0560	HTPR	21	1317	1319	1330	S15	E90	4042A	12	28.4	13	SF			C	1319	20		A
0561	HTPR	21	1441	1444	1450	S12	E90	4033	12	28.4	9	SF			C	1444	20		A
		21	1525		1530	No Flare Patrol													
		21	1534		1555	No Flare Patrol													
0562	HOLL	21	1558	1650	1702	S15	E83	4033	12	27.9	64	SF C	2.2	3	C				F

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																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0563	RAMY	21	1656	1700	1715	S18	E15	4036	12	22.8	19	SN		3	C		59		F
0564		21	1703	17088	1816	S17	E79	4033	12	27.7	73	SN					26		FK
	HOLL	21	1703	1708	1816	S17	E79	4033	12	27.7	73	SF		3	C		26		K
	HOLL	21	1703	1716	1816	S17	E79	4033	12	27.7	73	SN		3	C				FK
		21	1844		1852	No Flare Patrol													
0565	HOLL	21	1913	1913	1920	S14	E80	4033	12	27.8	7	SF		3	C				
		21	1928		2206	No Flare Patrol													
0566	HOLL	21	2247	2247	2316D	S17	E74	4033	12	27.6	29D	SN		3	C				F
		22	0049		0055	No Flare Patrol													
0567	LEAR	22	0128	0135U	0142	S16	E73	4033	12	27.6	14	1N C	1.8	2	C				F
0568	LEAR	22	0208	0209	0225D	S08	W72	4026	12	16.7	17D	1F C	3.1	2	C				F
0569	LEAR	22	0218	0222U	0241D	S08	W79	4025	12	16.2	23D	SF		2	C				H
0570	LEAR	22	0312E	0326U	0332	S09	W81	4025	12	16.0	20D	SF C	2.1	2	C				
0571	LEAR	22	0417	0422	0441	S12	W71	4026	12	16.8	24	SN C	1.8	3	C		138		FH
0572	LEAR	22	0508	0513	0531	S04	W30	4035	12	20.0	23	SF C	2.0	3	C		43		
0573	ABST	22	0555	0557	0606	N05	W02	4038	12	22.1	11	1N			C	0557	306	3.2	D
0574		22	06311	06342	0646	S08	W84	4025	12	16.0	15	1N C	3.9				105		ADK
	LEAR	22	0631	0636	0647	S09	W82	4025	12	16.1	16	1F C	3.9	3	C				
	ABST	22	0632	0634	0645	S08	W85	4025	12	15.9	13	1N			C	0634	105		ADK
0575		22	07033	07068	0725	S19	E06	4036	12	22.7	22	1B					158	2.2	DEFU
	ABST	22	0703	0706	0730	S19	E05	4036	12	22.7	27	SN			C	0706	87	.9	E
	ISTA	22	0704		0718	S19	E05	4036	12	22.7	14	1B				0707			U
	TACH	22	0706	0710	0727D	S20	E08	4036	12	22.9	21D	1B			C	0708	300	3.4	D
	LEAR	22	0706	0714	0727	S19	E06	4036	12	22.7	21	SN		3	C		88		F
0576		22	08228	08269	0852	S09	W88	4025	12	15.7	30	1B X	2.4				123		AEK
	KAND	22	0758E	0834	0854	S09	W90	4025	12	15.6	56D				C				A
	ABST	22	0822	0826	0858	S06	W86	4025	12	15.9	36	2N			C	0826	218		AE
	HTPR	22	0826	0829	0842	S10	W90	4025	12	15.6	16	SB			C	0829	50		AEK
	LEAR	22	0826	0833	0857	S09	W82	4025	12	16.2	31	SB X	2.4	3	C				
	ATHN	22	0828	0834	0846D	S07	W90	4025	12	15.6	18D	1B		2	V	0834	111		
	ISTA	22	0830E		0850	S09	W90	4025	12	15.6	20D	3B							A
	CATA	22	0830	0835	0850	S12	W90	4025	12	15.6	20	1		2	C	0835	112		
0577		22	0940	09452	0958	S19	E04	4036	12	22.7	18	SN C	7.9				111	.8	EF
	HTPR	22	0940	0945	0956	S20	E03	4036	12	22.6	16	SB			C	0945	80	.8	E
	LEAR	22	0940	0946	1005	S19	E03	4036	12	22.6	25	SN C	7.9	3	C		179		F
	KAND	22	0940	0947	0956	S19	E04	4036	12	22.7	16	1N			C				E
	CATA	22	0945E	0945	0955	S19	E04	4036	12	22.7	10D	S		2	P	0945	73	.8	
0578		22	1020	10231	1035	S20	E03	4036	12	22.6	15	SN					50	.5	DE
	HTPR	22	1020	1023	1038	S20	E03	4036	12	22.6	18	SN			C	1023	50	.5	E
	KAND	22	1020	1024	1032	S19	E03	4036	12	22.6	12	SN			C				D
0579	HTPR	22	1125	1129	1136	S08	E72	4033	12	27.9	11	SF			C	1129	20		
0580	HTPR	22	1225	1244	1300	S04	W35	4035	12	19.9	35	SF			C	1244	20	.2	E
0581	HTPR	22	1244		1518	N25	E20		12	24.1	154	2N			C	1330	1000	11.0	EIS
0582	HTPR	22	1333	1348	1410	N10	E17	4032	12	23.8	37	SF			C	1348	100	1.0	
0583	HTPR	22	1413	1414	1416	S08	E70	4033	12	27.8	3	SB			C	1414	30	.7	

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						Region											(10 ⁻⁶ Disk)			
			22 2053		2131	No Flare Patrol														
			22 2140		2333	No Flare Patrol														
0584	LEAR	22	2241	2246	2251	S17 E63 4033	12	27.7	10	SF C 2.9	3	C					60			
0585	LEAR	22	2346	2346	2350	S20 E76 4042A	12	28.8	4	SF C 2.8	3	C								H
		23	0355		0410	No Flare Patrol														
0586	LEAR	23	0435	0440	0448	S10 W90 4026	12	16.4	13	SF C 1.2	3	C								
		23	0505		0556	No Flare Patrol														
0587	LEAR	23	0509	0510	0517	S09 W90 4026	12	16.4	8	SN C 3.4	3	C								
0588	ABST	23	0639	0642	0703	S18 E58 4033	12	27.7	24	SN				C	0642	87	1.9		DK	
0589	ABST	23	0639	0643	0703	S18 W08 4036	12	22.7	24	SF				C	0643	174	1.9		EK	
0590	ABST	23	0706	0708	0720	S16 E70 4042A	12	28.6	14	1F				C	0708	87			E	
0591		23	07263	0730*	0803	S17 E58 4033	12	27.7	37	1N C 3.4						138	5.5		EFK	
	ABST	23	0726	0730	0800	S18 E58 4033	12	27.7	34	2N				C	0730	261	5.5		E	
	LEAR	23	0729	0731	0804	S17 E58 4033	12	27.7	35	SN C 3.4	3	C				103			FK	
	LEAR	23	0729	0750	0804	S17 E58 4033	12	27.7	35	SN			3	C		51			K	
0592	ABST	23	0733	0734	0740	S16 E80 4042A	12	29.4	7	1F				C	0734	87			DV	
		23	0811		0839	No Flare Patrol														
0593		23	08428	0853*	0936	S18 E64 4042A	12	28.2	54	1F						97	.4		EJ	
	ABST	23	0842	0853	0900	S16 E66 4042A	12	28.4	18	1F				P	0853	174			EJ	
	HTPR	23	0850	0916	1012	S20 E63 4042A	12	28.2	82	SF				C	0916	20	.4			
0594	HTPR	23	1019	1029	1040	S20 E67 4042A	12	28.5	21	SF				C	1029	20	.4		E	
		23	1109		1150	No Flare Patrol														
		23	1153		1201	No Flare Patrol														
		23	1203		1256	No Flare Patrol														
		23	1316		1429	No Flare Patrol														
		23	1434		1513	No Flare Patrol														
		23	1625		1629	No Flare Patrol														
		23	1744		1832	No Flare Patrol														
		23	1927		1948	No Flare Patrol														
		23	2001		2026	No Flare Patrol														
		23	2031		2253	No Flare Patrol														
0595	YUNN	24	0101	0126	0127	S18 W19 4036	12	22.6	26	SF				P		32	.4			
0596		24	01214	0125	0136	S18 E48 4033	12	27.7	15	SN C 1.9						36	.3		U	
	YUNN	24	0121	0125	0135	S18 E48 4033	12	27.7	14	SN				C		16	.3			
	LEAR	24	0125	0125	0137	S17 E48 4033	12	27.7	12	SN C 1.9	3	C				55			U	
0597		24	0241	0245	0251	S18 W18 4036	12	22.7	10	SN						32	.4			
	LEAR	24	0241	0245	0251	S18 W18 4036	12	22.7	10	SF			3	C		31				
	YUNN	24	0306E	0306U	0324D	S17 W19 4036	12	22.7	18D	SN				P	0306	32	.4			
		24	0300		0305	No Flare Patrol														
0598	ABST	24	0717	0718	0721	S14 E55 4033	12	28.4	4	SN				C	0718	87	1.6		DV	
0599	ABST	24	0744	0747	0756	S18 W24 4036	12	22.5	12	SF				C	0747	131	1.5		E	
0600	ABST	24	0758	0759	0802	S15 E50 4033	12	28.1	4	SN				C	0759	87	1.5		D	
0601	HTPR	24	1008	1014	1037	S18 W12 4031	12	23.5	29	SB				C	1014	200	2.0		E	
0602	HTPR	24	1013	1018	1114	S19 E46 4033	12	27.9	61	SF				C	1018	20	.3			

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Mo	Day	Dur (Min)	Imp Op [†]	Xray	See	Obs Type	Time (UT)	Area Apparent [†] (10 ⁻⁶ Disk)	Measurement Corr (Sq Deg)	Remarks
0603	HTPR	24	1200	1207	1214	S13	E44	4033	12	27.8	14	SF			C	1207	30	.4	
0604	HTPR	24	1245	1249	1252	S13	E44	4033	12	27.8	7	SF			C	1249	20	.3	
0605		24	1305 ⁷	1310 ⁶	1321	S16	E46	4033	12	28.0	16	SN					30	.4	
	HTPR	24	1305	1310	1320	S18	E48	4033	12	28.2	15	SN			C	1310	20	.3	
	HTPR	24	1312	1316	1322	S13	E43	4033	12	27.8	10	SF			C	1316	40	.6	
0606	HTPR	24	1424	1428	1435	S13	E42	4033	12	27.8	11	SB			C	1428	50	.7	
0607	HTPR	24	1425	1426	1437	N08	W12	4032	12	23.7	12	SF			C	1426	120	1.2	E
		24	1444		1503			No Flare Patrol											
		24	1621		1659			No Flare Patrol											
		24	1706		1714			No Flare Patrol											
0608	HOLL	24	1853	1903	1911	S12	E52	4033	12	28.7	18	SF		3	C		28		FS
0609	HOLL	24	2052	2053	2104	S18	W18	4031	12	23.5	12	SN		3	C		96		
0610	PEKG	25	0325E	0330	0345	S18	W22	4031	12	23.5	20D	1N			P	0330	294	3.4	E
0611		25	0610*	0720*	0812	S17	E45	4042A	12	28.7	122	3B					1187	17.9	FIKLU
	ABST	25	0610	0750	0850D	S15	E40	4042A	12	28.3	160D	4B			P	0750	1746	26.6	FKL
	PEKG	25	0618E	0628U	0700	S16	E49	4042A	12	29.0	42D	1N			P	0628	218	3.5	F
	TACH	25	0645E	0730	0922D	S19	E46	4042A	12	28.8	157D	4N			C	0748	2829	42.9	IKU
	CATA	25	0655E	0720	0850	S17	E48	4042A	12	28.9	115D	2		2	P	0720	646	10.2	
	PEKG	25	0711E	0733	0756D	S17	E48	4042A	12	28.9	45D	2B			P	0733	484	7.6	FUK
	PEKG	25	0711E	0756	0756D	S17	E43	4042A	12	28.6	45D	3B			P	0756	1262	18.9	F
	ISTA	25	0725E		0810	S17	E45	4042A	12	28.7	45D	3B							
	CATA	25	0755	0755	0850	S17	E41	4042A	12	28.4	55	3		2	C	0755	1124	15.8	
0612	ATHN	25	0743E	0750	0843	S14	E61	4039	12	29.9	60D	1B		3	V	0750	255	3.3	
		25	0926		0958			No Flare Patrol											
0613	HTPR	25	0959E		1020	S11	E35	4033	12	28.0	21D	SF			C	1005	50	.6	EI
0614	HTPR	25	0959E		1215	S15	E15		12	26.5	136D	SF			C	1005	60	.6	EI
0615	HTPR	25	1224	1227	1231	S17	E27	4033	12	27.6	7	SF			C	1227	20	.2	
0616	HTPR	25	1233	1234	1240	S20	W26	4031	12	23.5	7	SN			C	1234	60	.7	E
0617	HTPR	25	1251	1253	1305	S10	E25	4033	12	27.4	14	SB			C	1253	60	.7	E
0618	HTPR	25	1403	1407	1412	N10	W23	4032	12	23.8	9	SF			C	1407	20	.2	
		25	1425		2006			No Flare Patrol											
		25	2014		2249			No Flare Patrol											
0619		26	00111	0013	0034	S12	E23	4033	12	27.7	23	1N					263	2.1	F
	LEAR	26	0011	0013	0035	S11	E20	4033	12	27.5	24	1B		3	C		189		F
	MANI	26	0012	0013	0033	S15	E30	4033	12	28.3	21	1N		1	V		175	2.1	
	PALE	26	0017E	0017U	0051D	S11	E19	4033	12	27.4	34D	1N		3	C		425		
0620		26	0046	0047	0100	S18	E52	4039	12	30.0	14	SN					49		
	PALE	26	0046	0047	0051D	S17	E50	4039	12	29.8	5D	SF		3	C		53		
	LEAR	26	0046	0047	0100	S19	E53	4039	12	30.1	14	SN		3	C		45		
0621		26	0103	0104*	0146	S19	W32	4031	12	23.6	43	SN C 2.0					150		FK
	LEAR	26	0103	0104	0146	S19	W32	4031	12	23.6	43	SN		3	C		149		K
	LEAR	26	0103	0121	0146	S19	W32	4031	12	23.6	43	SN C 2.0		3	C		151		FK
0622		26	0144	0151 ²	0301	S11	E26	4033	12	28.0	77	1N C 9.8					405	2.4	EF
	LEAR	26	0144	0151	0308	S11	E25	4033	12	27.9	84	2B C 9.8		3	C		654		FE
	PEKG	26	0150E	0153	0244	S11	E25	4033	12	27.9	54D	1N			P	0153	210	2.4	F
	PALE	26	0205E	0215U	0310	S10	E27	4033	12	28.1	65D	1N		3	C		351		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0623	PALE	26	0206	0207	0214	N07	W31	4032	12	23.8	8	SF		3	C		29		
0624	LEAR	26	0306	0308	0318	N06	W31	4032	12	23.8	12	SF		3	C		57		F
0625		26	0742*	0746*	0800	S12	E16	4033	12	27.5	18	SF					87	1.0	DHKL
	ABST	26	0742	0746	0800	S11	E15	4033	12	27.4	18	SF		C		0746	87	.9	DH
	ABST	26	0755	0757	0800	S13	E16	4033	12	27.5	5	SF		C		0757	87	1.0	DKL
0626	ABST	26	0822	0825	0832	N04	E46		12	29.8	10	SN			C	0825	87	1.1	D
0627	ABST	26	0822	0826	0832	S11	E15	4033	12	27.5	10	SF			C	0826	87	.9	DK
0628		26	0909*	0911*	1006	S10	E14	4033	12	27.4	57	SB	M 1.1				150	1.0	EK
	LEAR	26	0909	0911	1007D	S11	E14	4033	12	27.4	58D	SF		3	C		170		K
	LEAR	26	0909	0937	1007D	S11	E14	4033	12	27.4	58D	IB	M 1.1	3	C		287		K
	HTPR	26	0927	0934	1016	S10	E13	4033	12	27.4	49	SB			C	0934	100	1.0	EK
	HTPR	26	0927	0957	1016	S10	E13	4033	12	27.4	49	SB			C	0934	100	1.0	EK
	ATHN	26	0933	0934	0944	S11	E15	4033	12	27.5	11	SB		3	V	0934	95	1.1	
	KANZ	26	0959E	0959	1007	S10	E13	4033	12	27.4	8D	SN		2					
0629	HTPR	26	0917E		1035	S20	E01		12	26.5	78D	SN			C	0931	60	.6	EI
0630	KANZ	26	1040	1040	1057	S10	E13	4033	12	27.4	17	SB		3					
0631	HTPR	26	1114	1120	1135	S10	E12	4033	12	27.4	21	SN			C	1120	30	.3	
0632		26	1120*	1123*	1217	S11	E45	4039	12	29.8	57	SN					120	1.7	EFI
	KANZ	26	1120	1123	1130	S11	E44	4039	12	29.8	10	SF		3					
	HTPR	26	1121	1200	1245	S10	E45	4039	12	29.8	84	SN			C	1145	120	1.7	EI
	KANZ	26	1139	1156	1236	S11	E45	4039	12	29.9	57	1N		3					F
0633		26	11432	11593	1214	S10	E12	4033	12	27.4	31	SN					30	.3	E
	KANZ	26	1143	1159	1209	S10	E13	4033	12	27.5	26	SN		3					
	HTPR	26	1145	1202	1220	S10	E11	4033	12	27.3	35	SN			C	1202	30	.3	E
0634		26	12551	13056	1320	S10	E12	4033	12	27.4	25	SN					40	.4	
	KANZ	26	1255	1305	1315	S10	E12	4033	12	27.4	20	SN		2					
	HTPR	26	1256	1311	1325	S10	E11	4033	12	27.4	29	SF			C	1311	40	.4	
0635	HTPR	26	1416	1422	1440	S10	E10	4033	12	27.3	24	SN			C	1422	50	.5	E
0636	HTPR	26	1456	1511	1533	S10	E11	4033	12	27.4	37	SB			C	1511	150	1.5	E
		26	1545		1748	No Flare Patrol													
0637	PALE	26	2028	2028	2044	S13	E23	4033	12	28.6	16	SN	C 1.4	3	C		46		F
0638	PALE	26	2037E	2051U	2114	S20	W51	4036	12	22.9	37D	SF		3	C		26		
		26	2055		2110	No Flare Patrol													
0639	PALE	26	2132	2133	2140	S17	E40	4039	12	29.9	8	SB	C 1.1	3	C		38		
0640		26	21481	21572	2216	S19	W44	4031	12	23.5	28	SN	C 1.8				112		
	PALE	26	2148	2157	2218	S20	W44	4031	12	23.5	30	SN	C 1.8	3	C		117		
	HOLL	26	2149	2159	2215	S18	W44	4031	12	23.5	26	SN		3	C		106		
0641	PALE	26	2233	2244	2348D	N07	W46	4032	12	23.5	75D	SF		3	C		78		
0642	HOLL	26	2234	2241	2254	S16	E24	4042A	12	28.8	20	SF	C 1.3	3	C		57		
0643	PALE	26	2241	2241	2250	S12	E12	4033	12	27.8	9	SF		3	C		38		
0644	LEAR	26	2337	2353	2416	S14	E21	4033	12	28.6	39	SF	C 2.1	3	C		51		FS
0645		27	0046	0047	0055	S13	E37	4039	12	29.8	9	SF					29		
	LEAR	27	0046	0047	0053	S13	E37	4039	12	29.8	7	SF		3	C		24		
	PALE	27	0047E	0047U	0057	S13	E37	4039	12	29.8	10D	SF		3	C		34		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	Remarks
0646		27	0108	0111	0116	S18	E38	4039	12	29.9	8	SN					34		
	LEAR	27	0108	0111	0116	S18	E38	4039	12	29.9	8	SN		3	C		37		
	PALE	27	0109E	0112U	0121D	S18	E38	4039	12	29.9	12D	SF		3	C		30		
0647	LEAR	27	0121	0124	0130	S18	W45	4031	12	23.6	9	SF		3	C		34		
0648		27	02472	02501	0256	N07	W50	4032	12	23.4	9	SN					56	.5	
	YUNN	27	0247	0250	0253	N08	W50	4032	12	23.4	6	SN			C		32	.5	
	LEAR	27	0249	0251	0258	N06	W49	4032	12	23.4	9	SF		3	C		80		
0649	LEAR	27	0314	0317	0324	S10	E04	4033	12	27.4	10	SN		3	C		47		
0650	LEAR	27	0524	0526	0541	S10	E02	4033	12	27.4	17	SB	C 3.1	3	C		92		
0651	LEAR	27	0534	0546	0559	N08	W47	4032	12	23.7	25	SN		3	C		83		
0652		27	0755	0759*	0835	N08	W48	4032	12	23.7	40	SF					41		
	LEAR	27	0755	0759	0835	N08	W48	4032	12	23.7	40	SF		3	C		45		K
	LEAR	27	0755	0811	0835	N08	W48	4032	12	23.7	40	SF		3	C		37		K
0653		27	08161	08195	0834	S10	E01	4033	12	27.4	18	SN					46	.6	H
	HTPR	27	0816	0824	0834	S10	E01	4033	12	27.4	18	SN			C	0824	60	.6	
	LEAR	27	0817	0819	0835	S11	E01	4033	12	27.4	18	SF		3	C		31		H
0654	LEAR	27	0848	0849	0852	S13	E33	4039	12	29.8	4	SF		3	C		22		
0655		27	09292	09426	1004	S14	E16	4033	12	28.6	35	SF	C 1.5				46	.4	E
	LEAR	27	0929	0942	1000	S14	E16	4033	12	28.6	31	SF	C 1.5	3	C		58		
	HTPR	27	0931		0955D	S13	E17	4033	12	28.7	24D	SF			C	0945	60	.6	E
	KANZ	27	0948E	0948	1004	S14	E16	4033	12	28.6	16D	SF		1					
	HTPR	27	1000E		1009	S14	E16	4033	12	28.6	9D	SF			C	1003	20	.2	
0656		27	11291	11363	1150	S10	W02	4033	12	27.3	21	SB					60	.6	
	HTPR	27	1129	1139	1154	S10	W03	4033	12	27.2	25	SB			C	1139	60	.6	
	KANZ	27	1130	1136	1146	S10	W01	4033	12	27.4	16	SB		3					
0657		27	11491	11492	1154	S11	E09	4033	12	28.2	5	SN					30	.3	
	KANZ	27	1149	1149	1153	S11	E09	4033	12	28.2	4	SN		3					
	HTPR	27	1150	1151	1155	S11	E09	4033	12	28.2	5	SF			C	1151	30	.3	
0658	KANZ	27	1232	1232	1239	S14	E16	4042A	12	28.7	7	SF		3					
0659		27	1232*	1236*	1307	S10	W03	4033	12	27.3	35	SF					30	.3	EK
	HTPR	27	1232	1236	1325	S11	W03	4033	12	27.3	53	SN			C	1300	40	.4	EK
	HTPR	27	1245	1249	1305	S09	W04	4033	12	27.2	20	SF			C	1249	20	.2	
	KANZ	27	1246	1249	1252	S10	W02	4033	12	27.4	6	SF		3					
0660	HTPR	27	1310	1319	1338	S09	E13	4033	12	28.5	28	SF			C	1319	20	.2	
0661	HTPR	27	1408	1411	1416	S11	E09	4033	12	28.3	8	SF			C	1411	20	.2	
0662		27	1427	1428	1504	N09	W52	4032	12	23.7	37	1B	C 4.8				143	1.9	E
	HTPR	27	1427	1428	1437	N10	W51	4032	12	23.8	10	SN			C	1428	120	1.9	E
	RAMY	27	1427	1428	1531	N08	W52	4032	12	23.7	64	1B	C 4.8	3	C		166		
0663	RAMY	27	1647	1647	1704	N08	W53	4032	12	23.7	17	SN	C 2.5	3	C		70		
0664		27	17024	17132	1727	S16	E12	4042A	12	28.6	25	SF					38		F
	RAMY	27	1702	1713	1729	S15	E13	4042A	12	28.7	27	SF		3	C		38		
	HOLL	27	1706	1715	1725	S16	E11	4042A	12	28.5	19	SF		3	C		38		F
0665		27	17563	1801	1812	S13	E06	4033	12	28.2	16	SF					64		
	RAMY	27	1756	1801	1813	S14	E06	4033	12	28.2	17	SF		3	C		73		
	HOLL	27	1759	1801	1811	S12	E05	4033	12	28.1	12	SF		3	C		55		
0666		27	1809*	1811*	1828	N09	W56	4032	12	23.5	19	SN	C 2.6				30		F
	HOLL	27	1809	1811	1816	N09	W56	4032	12	23.5	7	SF		3	C		28		F
	HOLL	27	1821	1823	1839	N09	W55	4032	12	23.6	18	SN	C 2.6	3	C		32		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement			Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0667	HOLL	27	1903	1905	1917	N08	W56	4032	12	23.6	14	SF		3	C		15		F	
0668	HOLL	27	1920	1926	1938	N10	W55	4032	12	23.7	18	SF		3	C		17			
0669		27	1948	1948	2000	S12	E04	4033	12	28.1	12	SN					24			
	HOLL	27	1948	1948	1953	S12	E04	4033	12	28.1	5	SN		3	C		24			
	RAMY	27	1948	1948	2006	S12	E04	4033	12	28.1	18	SN		3	C		24			
0670	HOLL	27	1953	2009	2045	N09	W56	4032	12	23.6	52	SN		3	C		36			
0671		27	20201	2022	2044	S12	E04	4033	12	28.1	24	SB C 9.3					148		E	
	HOLL	27	2020	2022	2036	S12	E04	4033	12	28.1	16	SB		3	C		125		E	
	RAMY	27	2021	2022	2052	S12	E04	4033	12	28.1	31	SB C 9.3		3	C		172			
0672	HOLL	27	2053	2055	2118	N09	W56	4032	12	23.7	25	SF		3	C		27			
0673	HOLL	27	2215	2218	2237	S12	E00	4033	12	27.9	22	SN C 2.0		3	C		146		FH	
0674	HOLL	27	2259	2304	2318	N08	W72	4038	12	22.5	19	SF		3	C					
0675		28	00341	0038	0042	S12	E01	4033	12	28.1	8	SN					81	.6	EH	
	LEAR	28	0034	0038	0044	S12	E01	4033	12	28.1	10	SN		3	C		111		H	
	YUNN	28	0035	0038	0040	S11	E01	4033	12	28.1	5	SN			C		32	.3		
	PEKG	28	0035	0038	0043	S12	E01	4033	12	28.1	8	SN			C	0038	101	1.0	E	
0676		28	00432	0047*	0104	S22	E12	4042A	12	28.9	21	SN					68	.8	E	
	PEKG	28	0043	0047	0102	S22	E13	4042A	12	29.0	19	SN			C	0047	88	1.0	E	
	YUNN	28	0045	0057	0107	S23	E11	4042A	12	28.9	22	SN			P		48	.5		
0677	PEKG	28	0047E	0047	0050	N07	W61	4032	12	23.5	30	SF			P	0047	42	.9	D	
0678	PEKG	28	0113	0117	0127D	N05	W71	4038	12	22.7	140	SF			P	0117	34		D	
0679		28	0123	01275	0144	N08	W60	4032	12	23.5	21	SN C 2.7					66	1.7	EF	
	LEAR	28	0123	0132	0144	N07	W59	4032	12	23.6	21	SF C 2.7		3	C		51		F	
	PEKG	28	0127E	0127	0147D	N09	W60	4032	12	23.5	200	SN			P	0127	80	1.7	E	
0680	PEKG	28	0340	0342	0347	S12	W01	4033	12	28.1	7	SN			C	0342	84	.9	D	
0681	LEAR	28	0505	0505	0516	N09	E79	4041	01	3.1	11	SF		3	C					
0682		28	0518	0520*	0602	S20	E23	4039	12	30.0	44	SF C 1.5					68	1.0	E	
	LEAR	28	0518	0520	0606	S19	E22	4039	12	29.9	48	SF C 1.5		3	C		52			
	PEKG	28	0540E	0540	0557	S20	E24	4039	12	30.1	170	SF			P	0540	84	1.0	E	
0683	LEAR	28	0610	0613	0625	N08	W64	4032	12	23.4	15	SF		3	C		46			
0684	CATA	28	0710	0710	0725	N09	E78	4045A	01	3.1	15	1		2	C	0710	56			
0685	LEAR	28	0845E	0850	0855D	N08	W68	4032	12	23.3	100	SN C 2.8		3	C		14			
		28	0951		1015	No Flare Patrol														
0686	HTPR	28	1016E		1030	S14	E04	4042A	12	28.7	140	SF			C	1024	20	.2		
0687		28	1131	11293	1144	S16	E08	4042A	12	29.1	13	SF					20	.2		
	KANZ	28	1129E	1129	1141	S16	E08	4042A	12	29.1	120	SF		2						
	HTPR	28	1131	1132	1147	S16	E09	4042A	12	29.2	16	SF			C	1132	20	.2		
0688		28	11454	11455	1153	S11	W18	4033	12	27.1	8	SN					57	.6	E	
	CATA	28	1145	1145	1155	S11	W19	4033	12	27.1	10	S		1	C	1145	84	.9		
	KANZ	28	1148	1148	1151	S11	W18	4033	12	27.1	3	SN		2						
	HTPR	28	1149	1150	1152	S10	W17	4033	12	27.2	3	SF			C	1150	30	.3	E	
0689		28	11587	12082	1217	N05	W69	4038	12	23.3	19	SN					67	1.2		
	KANZ	28	1158	1208	1214	N05	W69	4038	12	23.3	16	SN		2						
	HTPR	28	1158	1208	1218	N05	W68	4038	12	23.4	20	SF			C	1208	50	1.2		
	CATA	28	1205	1210	1220	N04	W70	4038	12	23.3	15	1		2	C	1210	84			

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0690	HTPR	28	1249	1255	1305	S10	W18	4033	12 27.2	16	SN			C	1255	40	.4	E
0691	HTPR	28	1327	1335	1341	S11	W11	4033	12 27.7	14	SF			C	1335	10	.1	
0692	HTPR	28	1414	1428	1434	S12	W08	4033	12 28.0	20	SF			C	1428	40	.4	
0693	HTPR	28	1430	1436	1500	S14	E01	4042A	12 28.7	30	SF			C	1436	40	.4	
		28	1513		1602	No Flare Patrol												
0694	HOLL	28	1604E	1605U	1621D	N06	W73	4038	12 23.2	17D	SN		3	C				
		28	1619		1620	No Flare Patrol												
		28	1626		1854	No Flare Patrol												
0695	HOLL	28	1946	1958	2013	S19	W15	4042	12 27.7	27	SN		3	C		43		F
0696	PALE	28	2008	2009	2020	N08	W88	4038	12 22.2	12	SB		3	C				
		28	2047		2110	No Flare Patrol												
0697	HOLL	28	2251E	2251U	2307D	S08	W23	4033	12 27.2	16D	SN		3	C		45		F
0698		28	23043	23131	2332	S18	W18	4042	12 27.6	28	SF					63		F
	HOLL	28	2304	2314	2340D	S18	W18	4042	12 27.6	36D	SF		3	C		62		F
	LEAR	28	2307	2313	2332	S18	W17	4042	12 27.7	25	SF		3	C		64		
0699	LEAR	29	0133	0137	0142	S19	W66	4031	12 24.0	9	SF		3	C		12		
0700		29	0137	01401	0156	N06	E72	4041	01 3.4	19	SN	C 5.8				98		CFJ
	LEAR	29	0137	0140	0202	N05	E70	4041	01 3.3	25	SN	C 5.8	3	C		45		F
	VORO	29	0137	0141	0149	N06	E73	4041	01 3.5	12	SF			C	0141	152		CJ
0701		29	0147	0149	0153	S18	W20	4042	12 27.5	6	SF					61	1.0	D
	VORO	29	0147E		0154	S19	W20	4042	12 27.5	7D	SF			C	0149	90	1.0	D
	LEAR	29	0147	0149	0152	S18	W19	4042	12 27.6	5	SF		3	C		32		
		29	0341		0448	No Flare Patrol												
0702	LEAR	29	0351	0353	0358	S20	W19	4042	12 27.7	7	SF		3	C		33		FH
0703	LEAR	29	0431	0433	0438	S07	W15	4033	12 28.1	7	SF		3	C		44		F
0704	LEAR	29	0514	0514	0522	S13	W11	4033	12 28.4	8	SF	C 1.2	3	C		47		
		29	0514		0634	No Flare Patrol												
0705		29	06431	06452	0711	S13	W12	4033	12 28.4	28	2B	X 1.9				638	6.0	Z
	LEAR	29	0643	0645	0717	S13	W12	4033	12 28.4	34	2B	X 1.9	3	C		712		Z
	YUNN	29	0644	0647	0705	S13	W13	4033	12 28.3	21	2N			P		563	6.0	
0706		29	0725*	0725*	0750	S10	W28	4033	12 27.2	25	SN					73	.8	EF
	CATA	29	0725	0725	0740D	S11	W28	4033	12 27.2	15D	S		2	P	0725	84	1.0	
	LEAR	29	0737	0742	0754	S10	W28	4033	12 27.2	17	SN		3	C		85		F
	PEKG	29	0741	0742	0745	S09	W29	4033	12 27.1	4	SF			P	0742	50	.6	E
0707		29	0820*	0825*	0911	S10	W28	4033	12 27.2	51	SN	C 2.7				167	1.9	BEHK
	CATA	29	0820	0825	0910D	S10	W29	4033	12 27.2	50D	S		1	P	0825	73	.9	H
	LEAR	29	0834	0838	0911	S10	W28	4033	12 27.2	37	SN		3	C		126		K
	LEAR	29	0834	0904	0911	S10	W28	4033	12 27.2	37	1N	C 2.7	3	C		219		HK
	YUNN	29	0835	0837		S10	W29	4033	12 27.2		SN			C		145	1.7	
	ABST	29	0837	0841	0920	S11	W28	4033	12 27.2	43	SB			C	0841	174	2.0	EHK
	HTPR	29	0840E		0910	S10	W29	4033	12 27.2	30D	1B			C	0840	190	2.2	BEK
	YUNN	29	0900E	0900	0905	S09	W29	4033	12 27.2	5D	1N			C		241	2.9	
0708	ABST	29	0853	0855	0916	N06	W85	4038	12 23.0	23	1N			C	0855	174		EK
0709		29	10232	1030*	1048	S10	W29	4033	12 27.2	25	SN					50	.6	HK
	KANZ	29	1023	1030	1033D	S10	W29	4033	12 27.2	10D	SF		1					
	HTPR	29	1025	1031	1050	S10	W29	4033	12 27.2	25	SN			C	1040	50	.6	K
	KANZ	29	1039E	1040	1046	S10	W30	4033	12 27.2	7D	SN		2					H

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DECEMBER 1982

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks
																	(10 ⁻⁶	Disk)		
0710		29	1109*	1112*	1131	S10	W30	4033	12	27.2	22	SF						76	.9	E
	KANZ	29	1109	1112	1116	S10	W29	4033	12	27.3	7	SF		2						
	HTPR	29	1113	1113	1124	S10	W29	4033	12	27.3	11	SF			C	1113	30	.3	E	
	CATA	29	1125E	1130	1145	S09	W33	4033	12	27.0	20D	1		1	P	1130	169	2.1		
	HTPR	29	1132	1136	1139	S10	W31	4033	12	27.1	7	SF			C	1136	30	.3		
0711	KANZ	29	1251	1254	1254D	S11	W19	4033	12	28.1	3D	SN		3						
0712		29	13081	1312	1322	S10	W30	4033	12	27.3	14	SN						150	1.7	EL
	KANZ	29	1308	1312	1322	S10	W30	4033	12	27.3	14	SN		1						L
	HTPR	29	1309	1312	1322	S10	W31	4033	12	27.2	13	SN			C	1312	150	1.7	E	
0713	HTPR	29	1326	1329	1334	S15	W12	4042A	12	28.6	8	SF			C	1329	160	1.6	E	
0714	HTPR	29	1408	1411	1424	S10	W31	4033	12	27.2	16	SF			C	1411	30	.3		
0715	HTPR	29	1410		1525D	S15	W13	4042A	12	28.6	75D	SF			C	1418	100	1.0	E	
0716		29	17177	17271	1729D	S12	W18	4033	12	28.4	12D	SB						156		
	RAMY	29	1717	1727	1727D	S13	W18	4033	12	28.4	10D	SB		3	C			124		
	HOLL	29	1724	1728	1729D	S12	W19	4033	12	28.3	5D	SB		3	C			189		
0717	HOLL	29	2008	2008	2040	N08	W90	4032	12	23.1	32	SB		3	C					
0718	HOLL	29	2105	2109	2116	S17	W19	4033	12	28.4	11	SN		3	C			79		
		29	2125		2132	No Flare Patrol														
0719		29	2142	2147	2152	S10	W36	4033	12	27.2	10	SN						44		
	HOLL	29	2142	2147	2151D	S09	W36	4033	12	27.2	9D	SN		3	C			53		
	PALE	29	2147E	2147U	2152	S12	W36	4033	12	27.2	5D	SN		3	C			35		
		29	2155		2249	No Flare Patrol														
0720	LEAR	29	2347	2349	2410	S09	W39	4033	12	27.1	23	SF	C 2.2	3	C			134		FH
0721	LEAR	30	0123	0124	0130	S17	W32	4032A	12	27.6	7	SN		3	C			37		
0722		30	01403	0145*	0237	S13	W23	4033	12	28.3	57	1N	M 7.1					368	3.1	FHIJKZ
	LEAR	30	0140	0147	0252	S13	W22	4033	12	28.4	72	2B	M 7.1	3	C			680		ZFK
	LEAR	30	0140	0156	0252	S13	W22	4033	12	28.4	72	1B		3	C			428		K
	YUNN	30	0140	0158	0238	S13	W23	4033	12	28.3	58	1N			P			402	4.6	
	PEKG	30	0141	0145	0208	S13	W22	4033	12	28.4	27	1N			C	0145	294	3.3	F	
	MANI	30	0142E	0145	0147D	S12	W29	4033	12	27.9	5D	SB		1	V		125	1.5	F	
	VORO	30	0143	0147	0236	S12	W22	4033	12	28.4	53	1F			C	0147	278	3.0	HIJK	
		30	0425		0442	No Flare Patrol														
0723		30	0604	06051	0614	S10	W42	4033	12	27.1	10	1N	C 2.3					244	3.0	EHLV
	ABST	30	0604	0605	0615	S11	W44	4033	12	26.9	11	SN			C	0605	131	1.7	ELV	
	YUNN	30	0604E	0606	0612	S09	W41	4033	12	27.2	8D	1N			P		321	4.4		
	LEAR	30	0604	0606	0616	S09	W40	4033	12	27.2	12	1F	C 2.3	3	C		280		H	
0724		30	09584	1004	1010	S10	W42	4033	12	27.2	12	SN						52	.8	
	HTPR	30	0958	1004	1010	S10	W42	4033	12	27.2	12	SN			C	1004	80	1.1		
	WEND	30	1002	1004	1010	S10	W43	4033	12	27.2	8	SF			C	1004	25	.4		
0725	HTPR	30	1013	1036	1105	S18	W05	4039	12	30.0	52	SF			C	1036	80	.8	EI	
0726		30	10161	1019	1029	N09	E50	4041	01	3.2	13	SB						54	.8	E
	HTPR	30	1016	1019	1031	N10	E50	4041	01	3.2	15	SB			C	1019	70	1.1	E	
	WEND	30	1017	1019	1027	N08	E51	4041	01	3.2	10	SN			C	1019	38	.6	E	
0727	HTPR	30	1121	1140	1205	S14	W29	4033	12	28.3	44	SF			C	1140	20	.2		
0728	HTPR	30	1304	1309	1323	S18	W05	4039	12	30.2	19	SN			C	1309	150	1.5	E	
0729	HTPR	30	1323	1330	1342	S14	W30	4033	12	28.3	19	SF			C	1330	70	.8	E	

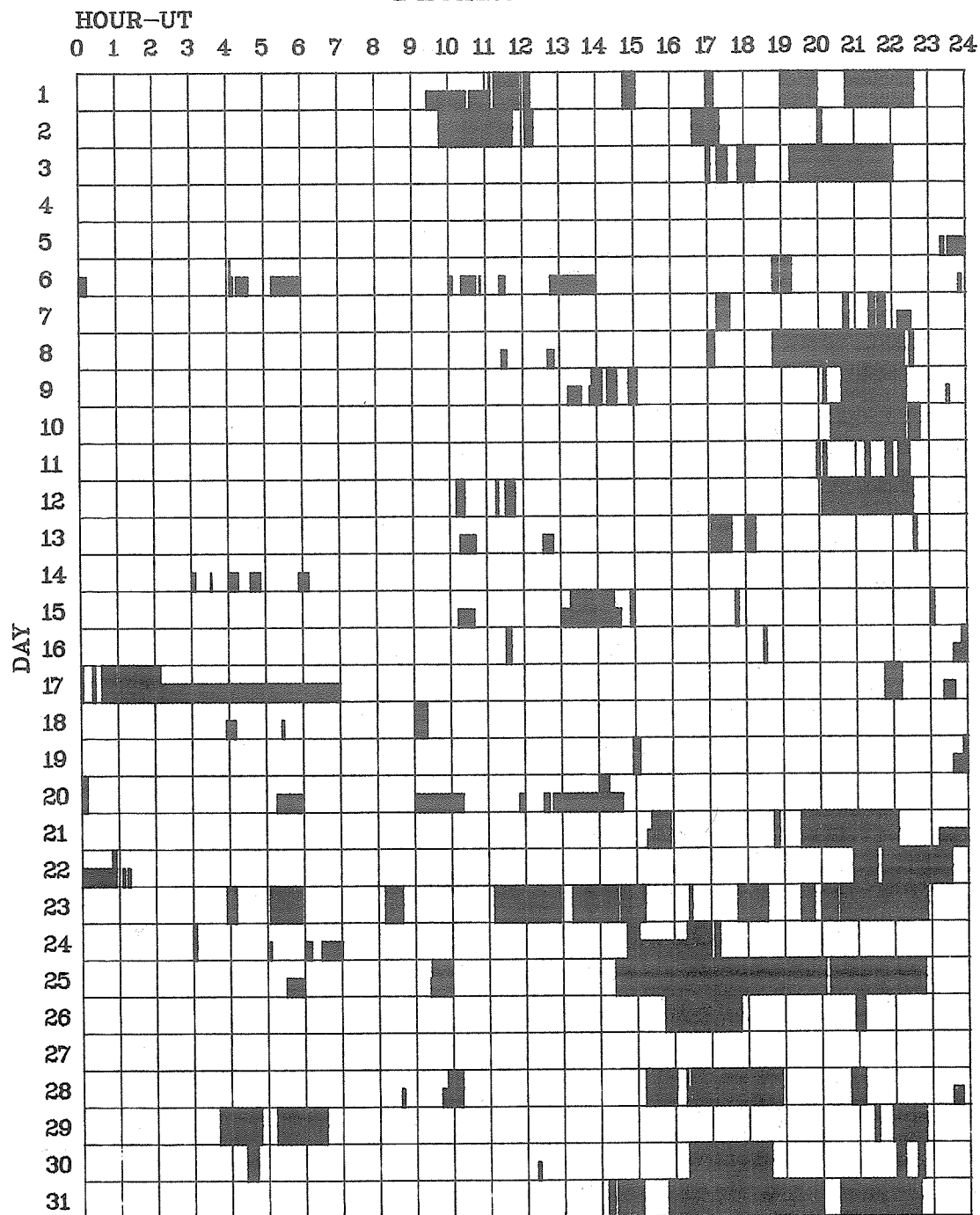
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DECEMBER 1982

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks
																	(10 ⁻⁶)	Disk)		
0730	HTPR	30	1336	1341	1356	S10	W45	4033	12	27.2	20	SN			C	1341	50	.7		
0731		30	1350*	1412	1444	S14	W31	4033	12	28.2	54	SB	C 2.2				66	.7		
	HTPR	30	1350	1412	1445	S14	W32	4033	12	28.1	55	SN			C	1412	60	.7		
	RAMY	30	1410	1412	1442	S14	W30	4033	12	28.3	32	SB	C 2.2	3	C		71			
		30	1622		1836	No Flare Patrol														
0732		30	1739	1846	1923	S12	W34	4033	12	28.2	104	1B	C 8.4				226		KU	
	RAMY	30	1739	1857U	1918	S12	W33	4033	12	28.2	99	1B	C 8.4	3	C		230		U	
	PALE	30	1835E	1846	1928	S11	W34	4033	12	28.2	53D	1B		3	C		223		K	
0733		30	1844*	1845*	1902	S25	E15		12	31.9	18	SF					32			
	PALE	30	1844	1845	1854	S23	E14		12	31.8	10	SF		3	C		20			
	RAMY	30	1856	1900	1911	S27	E16		01	1.0	15	SF		3	C		45			
		30	2201		2214	No Flare Patrol														
0734		30	2223	2227	2311	S12	W35	4033	12	28.3	48	SB	C 4.7				77		EF	
	PALE	30	2223	2227	2234D	S12	W36	4033	12	28.2	11D	SB	C 4.7	3	C		85		E	
	LEAR	30	2246E	2246U	2311	S13	W34	4033	12	28.4	25D	SN		3	C		69		F	
		30	2235		2245	No Flare Patrol														
0735	LEAR	30	2258	2258	2308	S18	W39	4042	12	28.0	10	SF		3	C		23			
0736	LEAR	30	2357	2359	2403	S09	W54	4033	12	26.9	6	SF		3	C		36		H	
0737		31	0014	0020	0044	S14	W35	4033	12	28.4	30	1N	C 8.0				200	2.6	BEFJ	
	LEAR	31	0014	0020	0049	S13	W35	4033	12	28.4	35	1B	C 8.0	3	C		194		F	
	VORO	31	0022E		0038	S14	W35	4033	12	28.4	16D	1F			C	0022	206	2.6	BEJ	
0738	MANI	31	0025E	0025	0034D	S12	W44	4033	12	27.7	9D	1B		1	V		220	3.2	F	
0739	YUNN	31	0028E	0028U	0036	S25	W22		12	29.3	8D	SN			P	0028	16	.2		
0740	LEAR	31	0243	0245	0249	S10	W55	4033	12	27.0	6	SF		3	C		37		H	
0741		31	05113	05144	0550	S14	W37	4033	12	28.4	39	SF	C 3.1				89	1.0	EF	
	LEAR	31	0511	0514	0555	S15	W35	4033	12	28.6	44	SN	C 3.1	3	C		109		F	
	MANI	31	0514E	0517	0523D	S12	W40	4033	12	28.2	9D	SF		1	V		90	1.2	F	
	PEKG	31	0514	0518	0545	S15	W36	4033	12	28.5	31	SF			C	0518	67	.9	E	
0742	LEAR	31	0752	0755	0823	N09	E39	4041	01	3.2	31	SF	C 1.5	3	C		79		F	
0743	LEAR	31	0754	0756	0802	S16	W46	4032A	12	27.8	8	SF		3	C		21			
0744		31	08441	08511	0911	S14	W40	4033	12	28.3	27	SN					69		F	
	KANZ	31	0844	0851	0900	S14	W39	4033	12	28.4	16	SN		2						
	LEAR	31	0845	0852	0922	S13	W40	4033	12	28.3	37	SF		3	C		69		F	
0745		31	08473	08478	0908	N12	E38	4041	01	3.2	21	SN	C 1.4				70	1.5	FL	
	KANZ	31	0847	0847	0857	N12	E38	4041	01	3.2	10	SN		2					L	
	LEAR	31	0849	0853	0918	N11	E38	4041	01	3.2	29	SF	C 1.4	3	C		27		F	
	CATA	31	0850	0855	0910D	N12	E39	4041	01	3.3	20D	S		1	P	0855	112	1.5		
0746	KANZ	31	0940	0943	0947	S14	W40	4033	12	28.4	7	SF		2						
0747	KANZ	31	1218	1222	1245	N09	E38	4041	01	3.4	27	SN		2						
0748	KANZ	31	1308	1315	1321	S05	W24	4043	12	29.7	13	SF		3					G	
		31	1411		1420	No Flare Patrol														
		31	1426		1442	No Flare Patrol														
		31	1446		1507	No Flare Patrol														
		31	1548		1957	No Flare Patrol														
0749		31	1958	2002*	2027D	S15	W65	4033	12	26.9	29D	SN	C 1.3				72		FK	
	PALE	31	1958	2002	2027D	S15	W65	4033	12	26.9	29D	SN	C 1.3	3	C		95		FK	
	PALE	31	1958	2019	2027D	S15	W65	4033	12	26.9	29D	SF		3	C		49		K	
		31	2028		2239	No Flare Patrol														

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

DECEMBER 1982



Times of no flare patrol, shown here as shaded areas, combine reports from the observatories listed below. Portions of a panel completely shaded mark dates and times of no patrol of any kind, that is, of neither visual nor cinematographic; portions of a panel with only the bottom half shaded mark times of strictly visual patrol.

Abastumani
Athens
Bucharest
Catania

Haute Provence
Hollomna
Istanbul
Kandilli

Kanzelhoehe
Kharkov
Learmonth
Lvov
Manila

Mitaka
Monte Mario
Palehua
Peking
Purple Mt.

Ramey
Tashkent
Voroshilov
Wendelstein
Yunnan

NUMBER OF SOLAR FLARES
(From the Grouped Flare Listings)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1966								391	558	432	417	543
1967	796	589	1009	694	771	629	907	911	573	946	775	1109
1968	1037	773	519	460	768	697	573	611	616	772	556	640
1969	581	504	669	655	839	694	489	551	540	643	566	422
1970	466	646	578	688	722	836	954	780	811	797	687	667
1971	598	505	387	546	461	430	713	673	518	375	431	394
1972	384	599	621	361	614	541	404	515	371	408	175	210
1973	221	171	410	453	388	270	232	182	353	201	136	163
1974	127	148	79	364	255	204	360	187	270	366	153	81
1975	68	82	69	19	42	85	196	346	68	38	127	25
1976	69	18	180	60	38	48	6	47	57	23	13	55
1977	54	77	18	76	64	210	140	140	250	252	107	336
1978	274	588	338	526	330	460	533	346	554	499	418	648
1979	926	781	731	731	907	772	750	821	901	1018	888	786
1980	703	689	621	1092	811	956	763	720	924	988	1027	838
1981	578	782	914	915	658	592	893	982	680	836	773	615
1982	631	763	803*	490*	553*	769*	696*	753*	616*	545*	565*	749*

* Preliminary

CONTENTS

Comprehensive Reports

MISCELLANEOUS DATA

Number 488 Part II

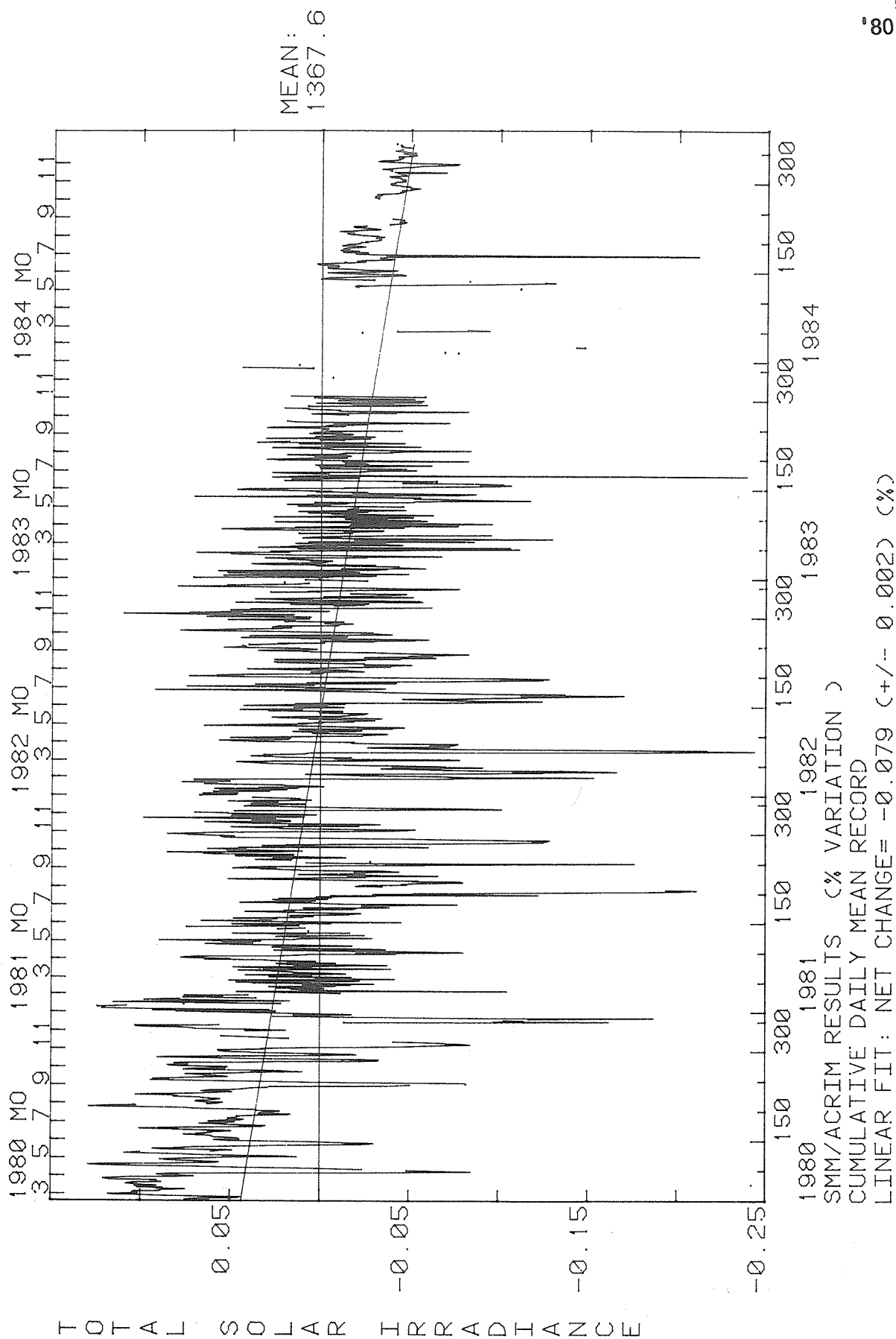
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SOLAR IRRADIANCE (Daily Mean)
SOLAR MAXIMUM MISSION (ACRIM I)
Jet Propulsion Laboratory

Watts/m²

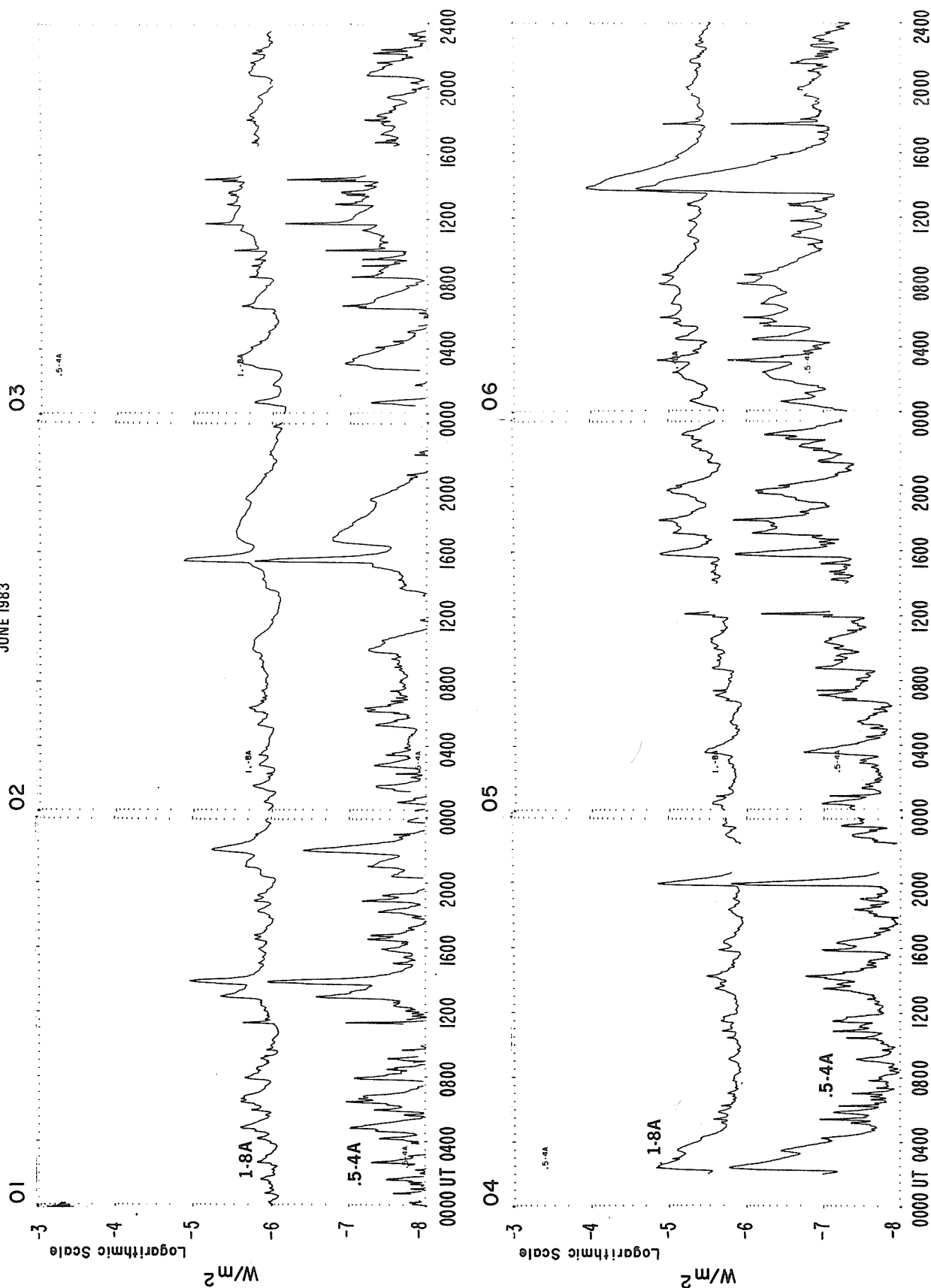
1984

DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	---	---	---	---	1366.06	1367.00	1367.23	1367.36	---	1367.16	1366.95	1367.11
02	---	---	---	---	---	1367.26	1367.43	1367.39	---	1367.18	1366.97	1367.16
03	---	---	---	---	---	1367.35	1367.30	1367.34	---	1367.15	1366.99	1367.12
04	---	---	---	---	1367.31	1367.50	1367.36	1367.39	---	1367.18	1366.99	1367.02
05	---	---	---	---	1367.33	1367.55	1367.45	1367.40	---	1367.15	1367.05	1366.99
06	---	---	---	---	1367.31	1367.55	1367.37	1367.45	---	1367.13	1367.07	1367.00
07	---	---	---	---	1367.12	1367.46	1367.43	1367.35	---	1367.16	1367.04	1366.97
08	---	---	---	---	1366.79	1367.46	1367.42	1367.24	---	1367.12	1366.94	1366.98
09	---	---	---	---	1366.35	1367.47	1367.38	1367.14	---	1367.03	1366.96	1367.00
10	---	---	---	---	1365.97	1367.58	1367.32	1367.15	---	1366.97	1366.95	1367.00
11	---	---	---	---	1365.80	1367.61	1367.25	1367.23	---	1366.99	1366.98	1366.90
12	---	---	---	---	1365.88	1367.63	1367.33	1367.28	---	1366.96	1367.01	1366.86
13	---	---	---	---	---	1367.52	1367.44	1367.35	---	1366.97	1366.63	1366.89
14	1366.54	---	---	---	1366.45	1367.41	1367.40	1367.34	---	1366.98	1367.03	1366.91
15	---	---	---	---	---	1367.25	1367.39	1367.24	---	1366.91	---	1366.97
16	1366.64	---	---	---	1367.18	1367.28	1367.32	---	---	1366.86	1367.06	1366.86
17	---	---	---	---	1367.45	1367.32	1367.29	1367.07	---	1366.84	1367.06	1366.91
18	---	1367.28	---	---	1367.60	1367.25	1367.29	1367.04	---	1366.91	1367.09	1366.95
19	---	---	---	---	1367.55	1367.07	1367.23	1367.00	---	1366.91	1367.13	1367.01
20	---	1367.00	---	---	1367.53	1367.04	1367.25	1366.94	---	1366.91	1367.06	1367.03
21	---	1366.29	---	---	1367.37	1367.14	1367.16	1366.93	---	1366.97	1366.99	1366.97
22	---	1366.47	---	---	1367.23	1367.14	1367.14	1366.99	---	1367.00	1366.96	1366.97
23	---	---	---	---	1367.05	1367.09	1367.13	1366.97	---	1367.05	1366.88	---
24	1365.57	---	---	---	1366.94	1367.09	1367.15	---	---	1367.07	1366.81	1366.90
25	1365.64	---	---	---	1366.98	1364.70	1367.15	1366.96	---	1367.06	1366.66	1366.91
26	---	---	---	1364.70	1367.18	1364.70	1367.17	1367.01	---	1367.02	1366.55	1366.98
27	---	---	---	---	1367.41	1366.97	1367.10	1367.05	---	1367.04	1366.53	1366.97
28	---	---	---	---	1367.55	1367.22	1367.17	---	---	1367.01	1366.68	---
29	---	---	---	---	1367.46	1367.33	1367.15	---	---	1366.95	1366.86	1366.98
30	---	---	---	---	1367.25	1367.25	1367.30	---	1367.16	1366.97	1366.99	---
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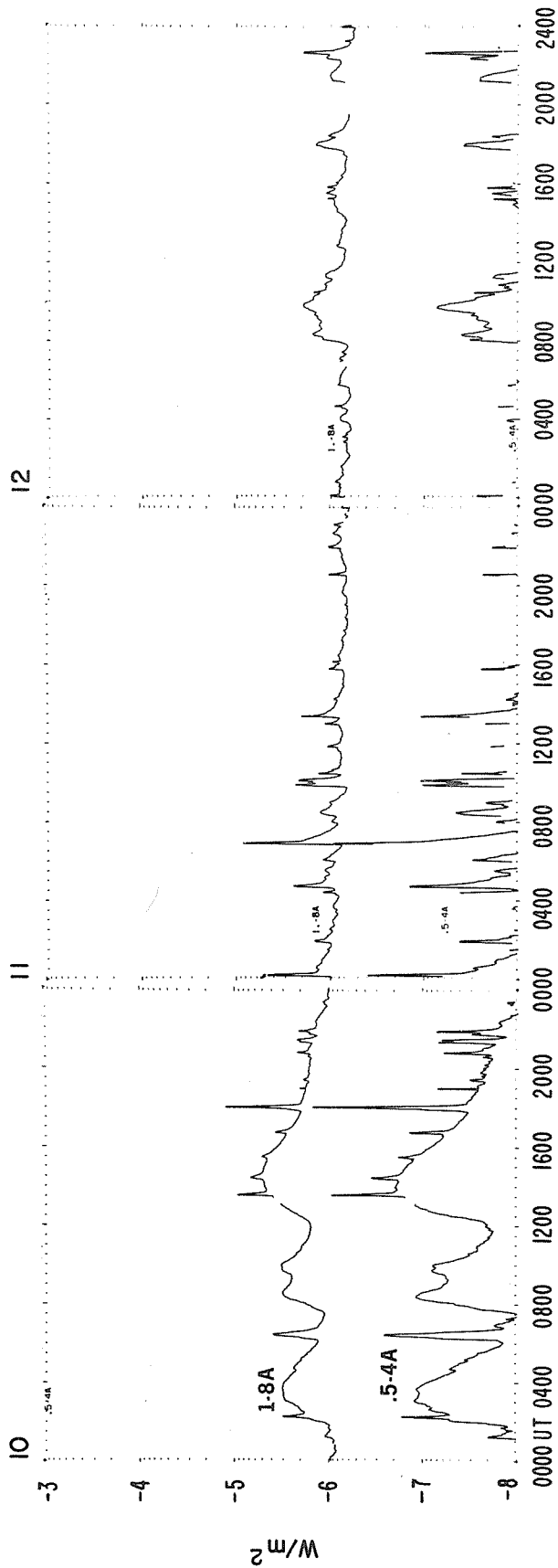
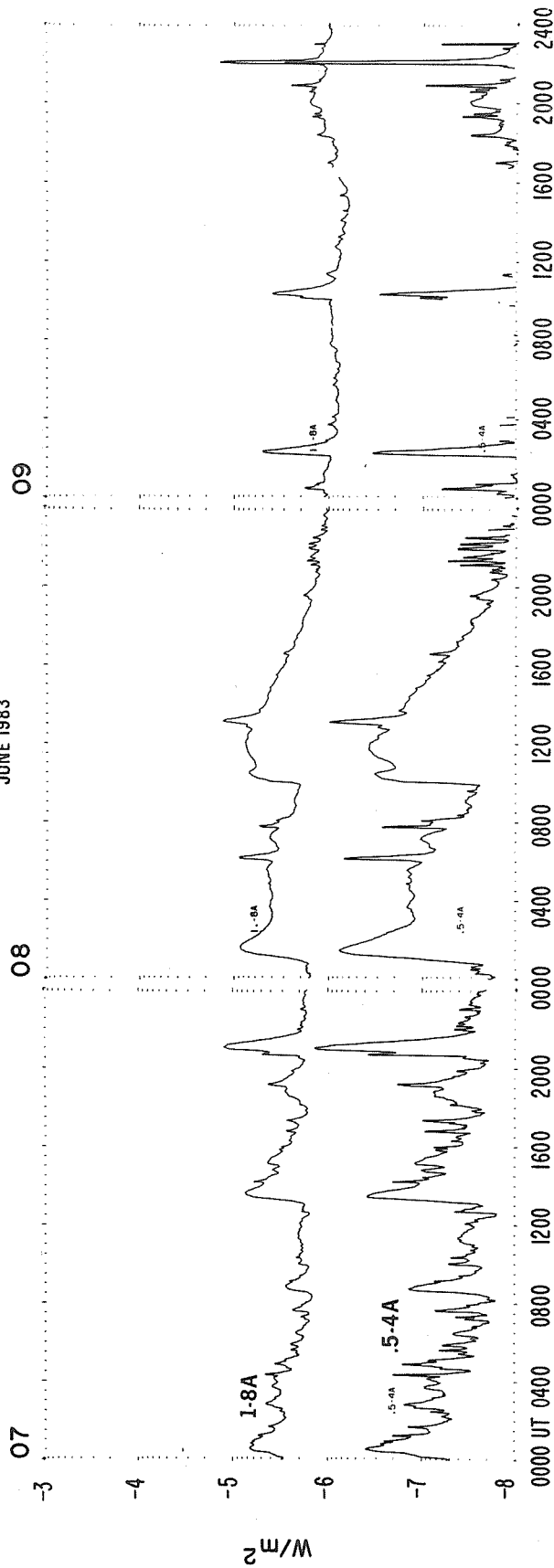
GOES 6 X-RAYS

JUNE 1983



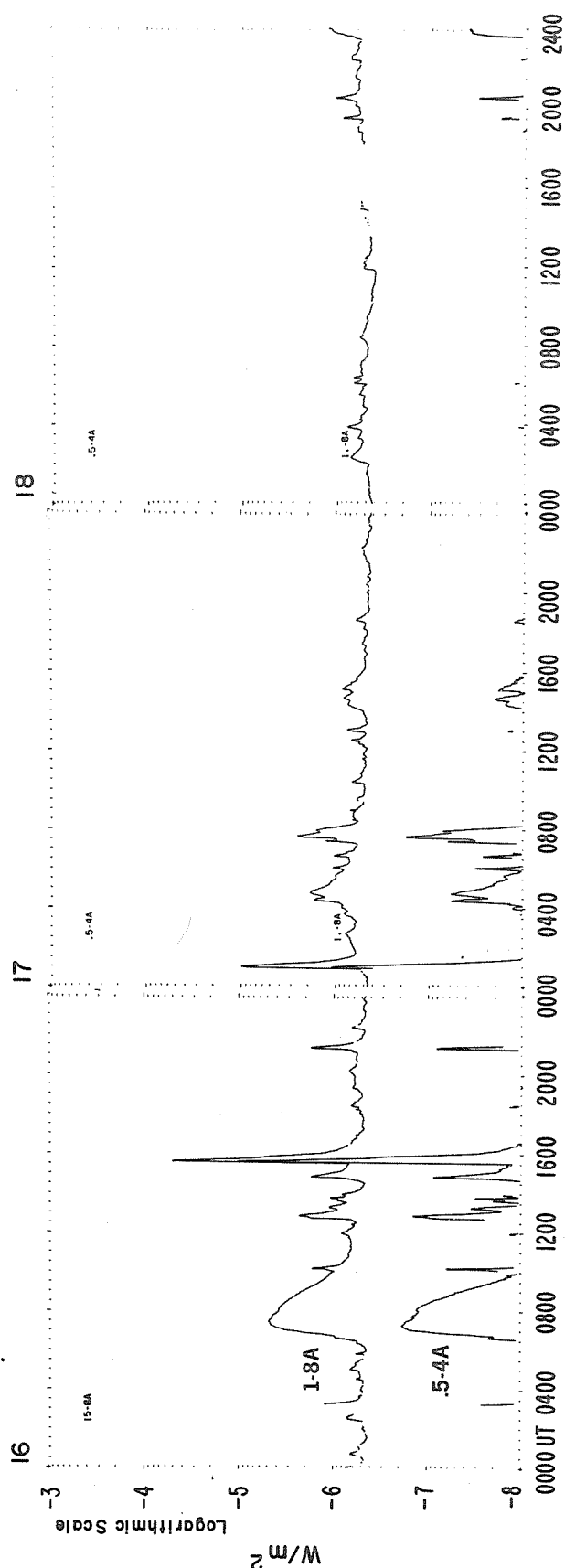
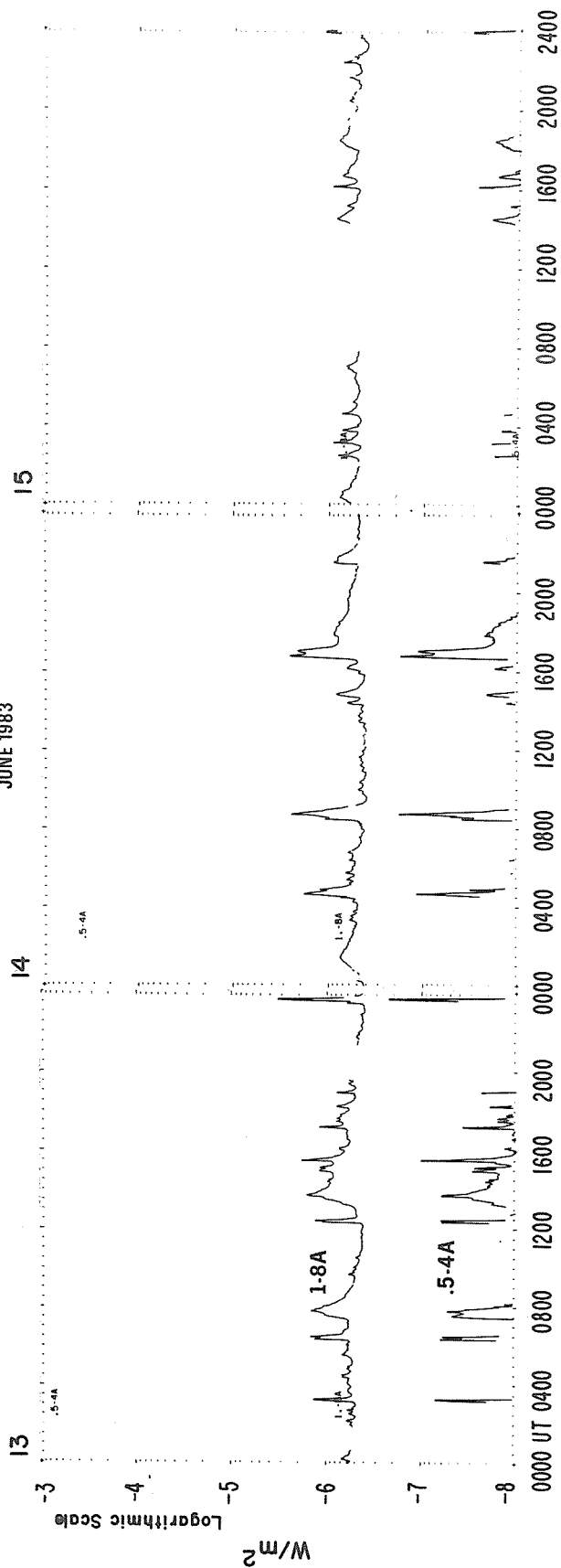
GOES 6 X-RAYS

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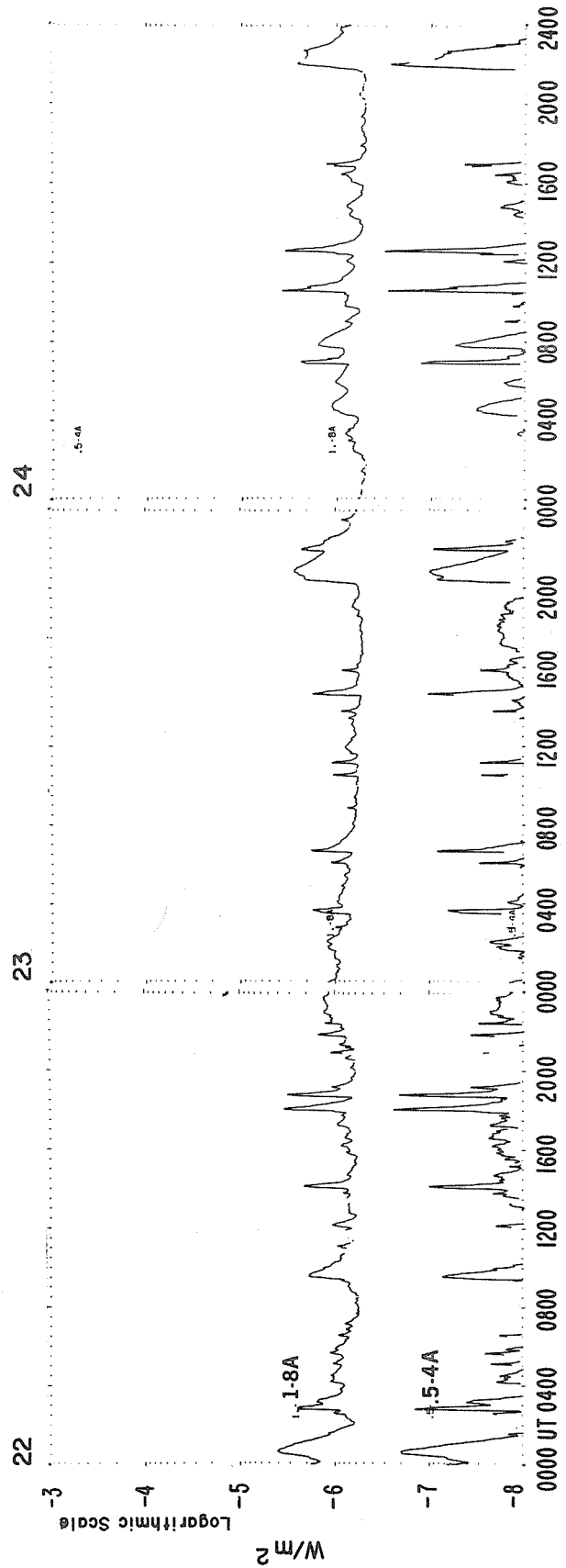
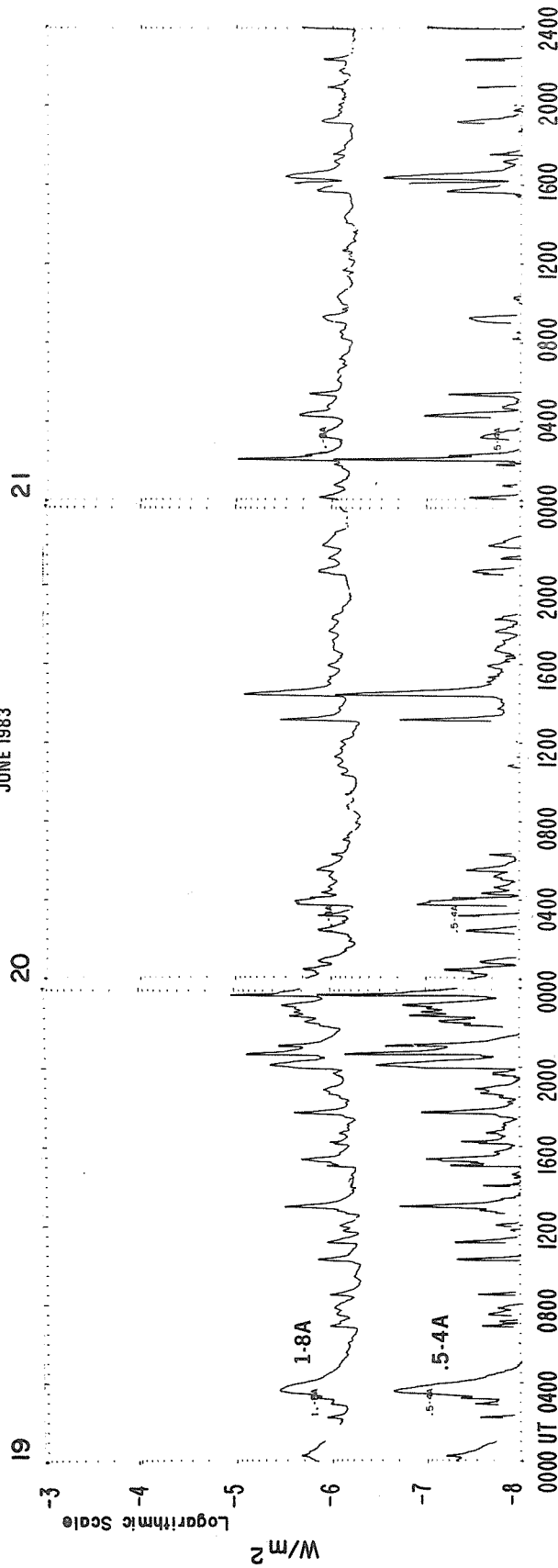
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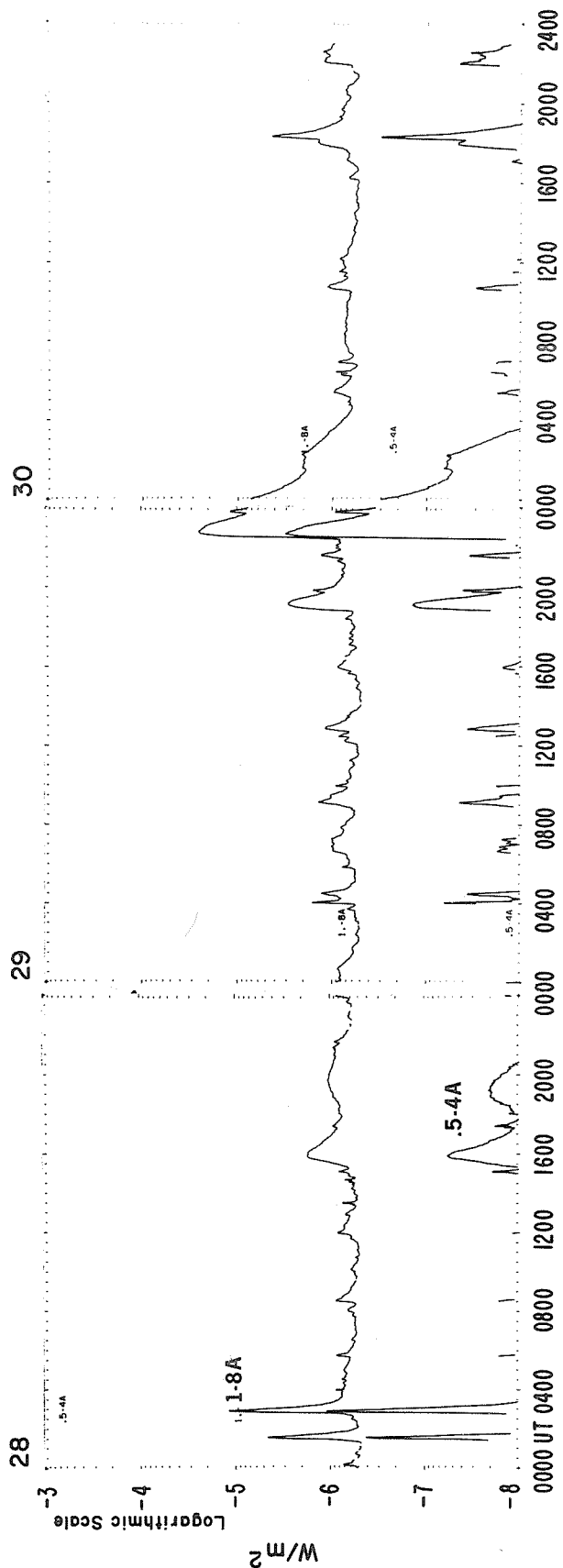
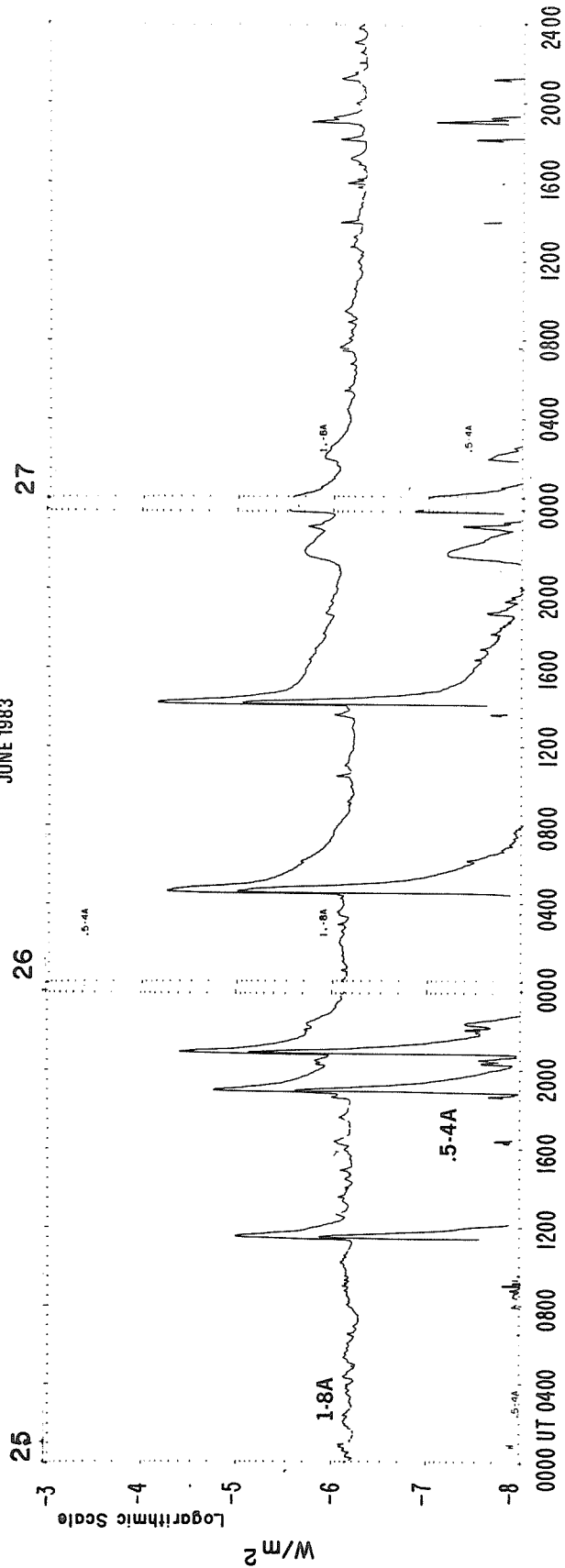
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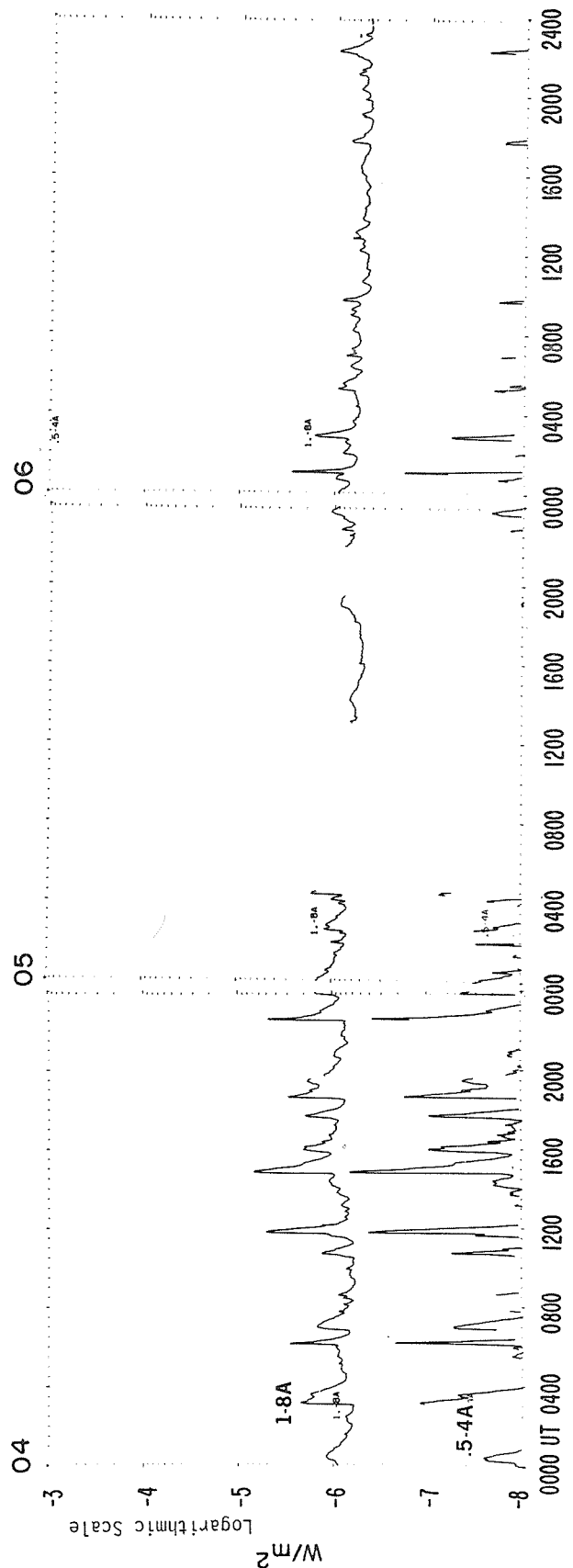
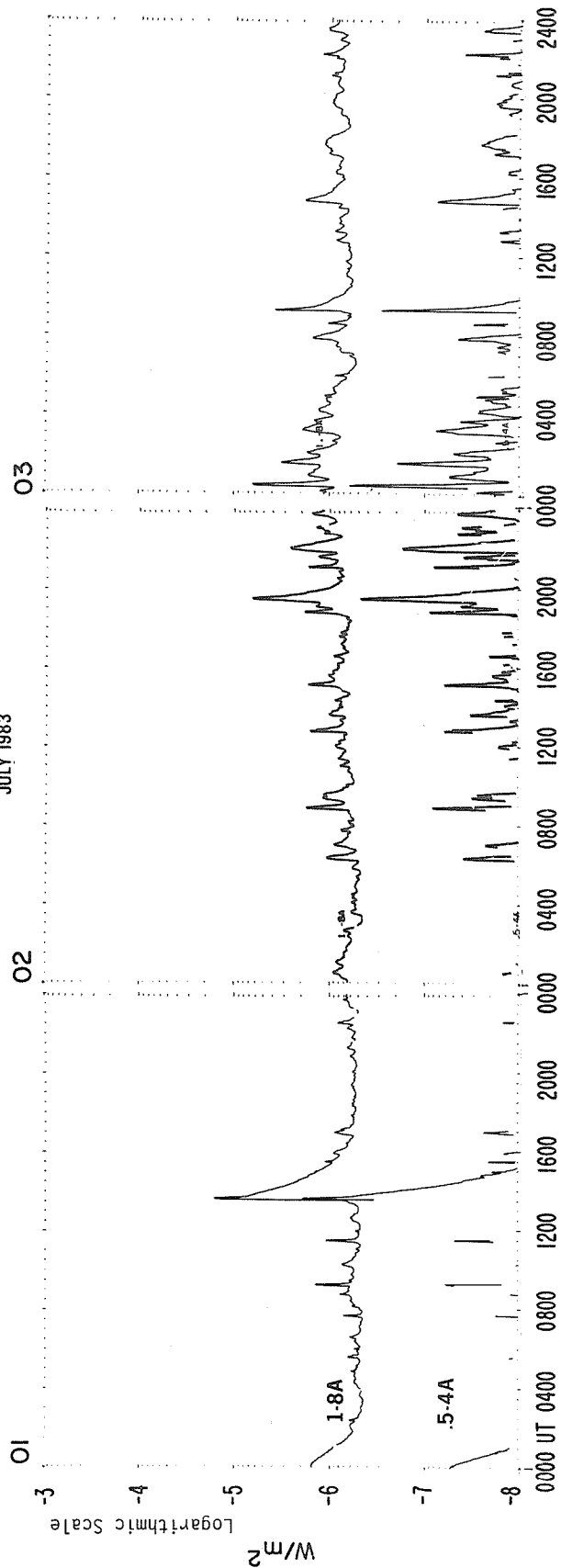
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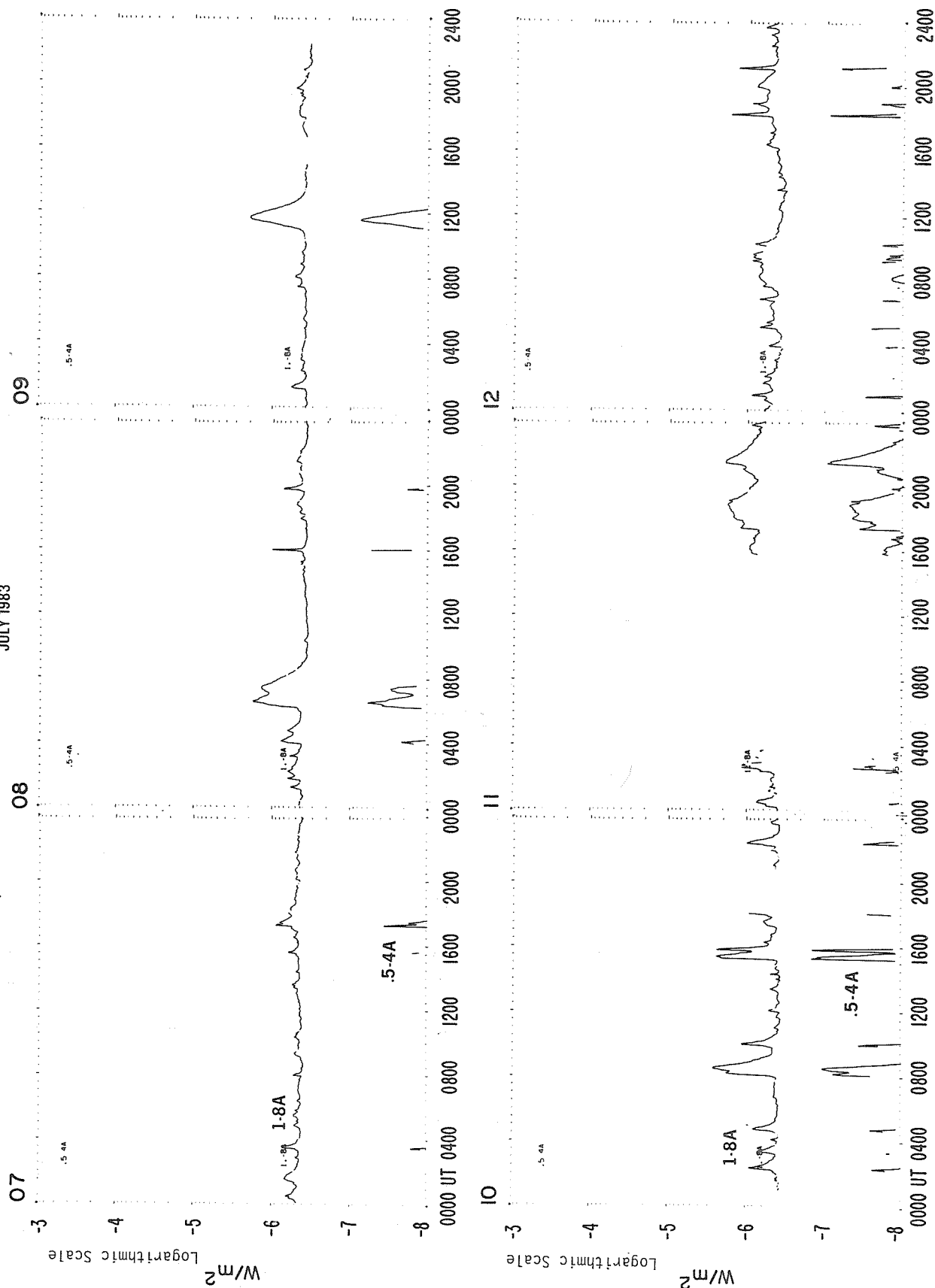


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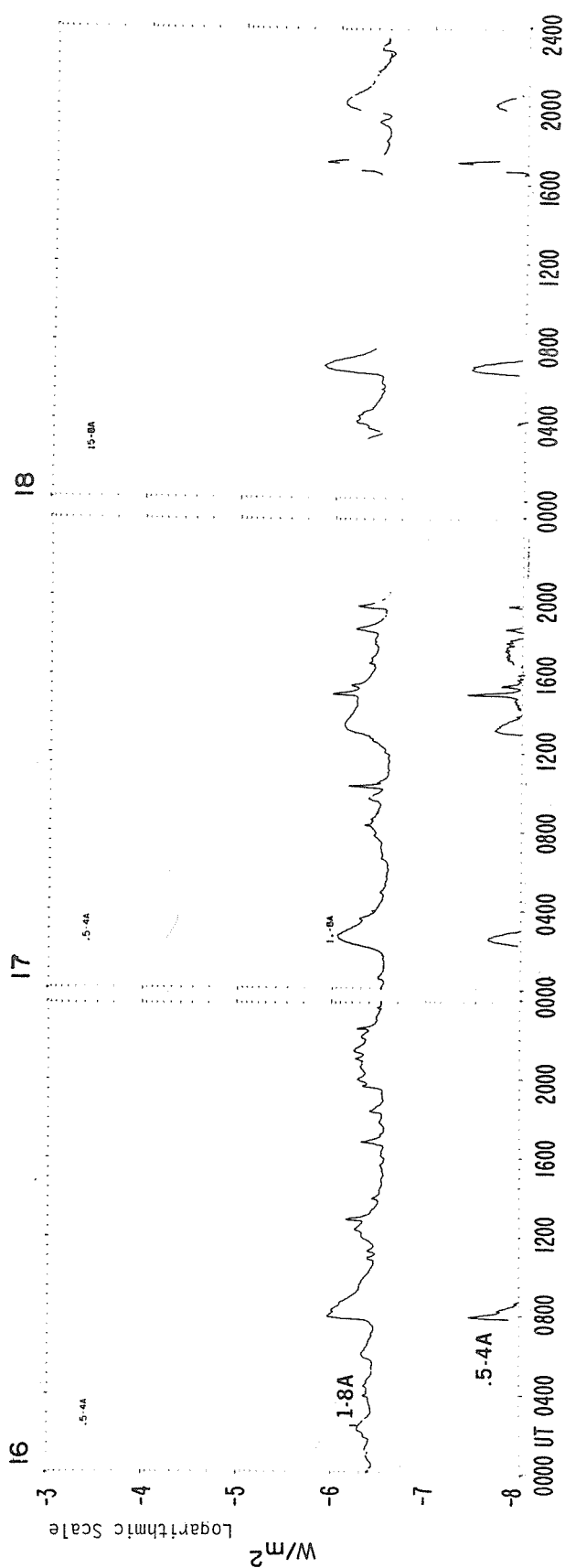
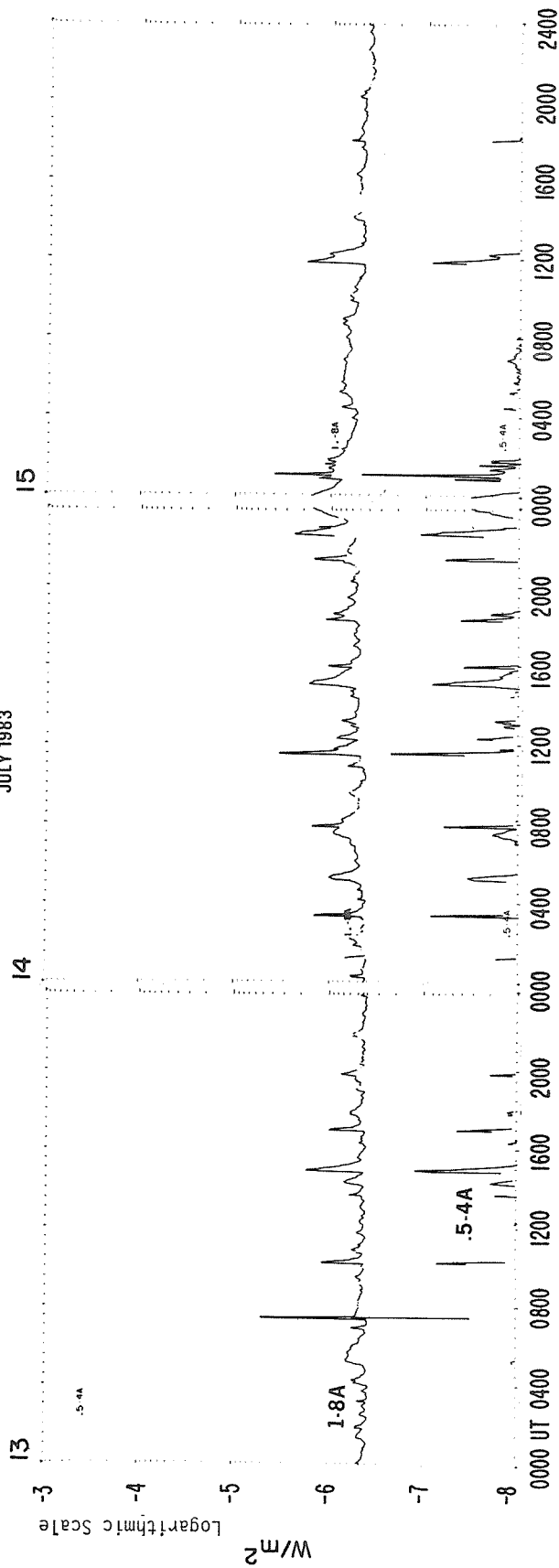


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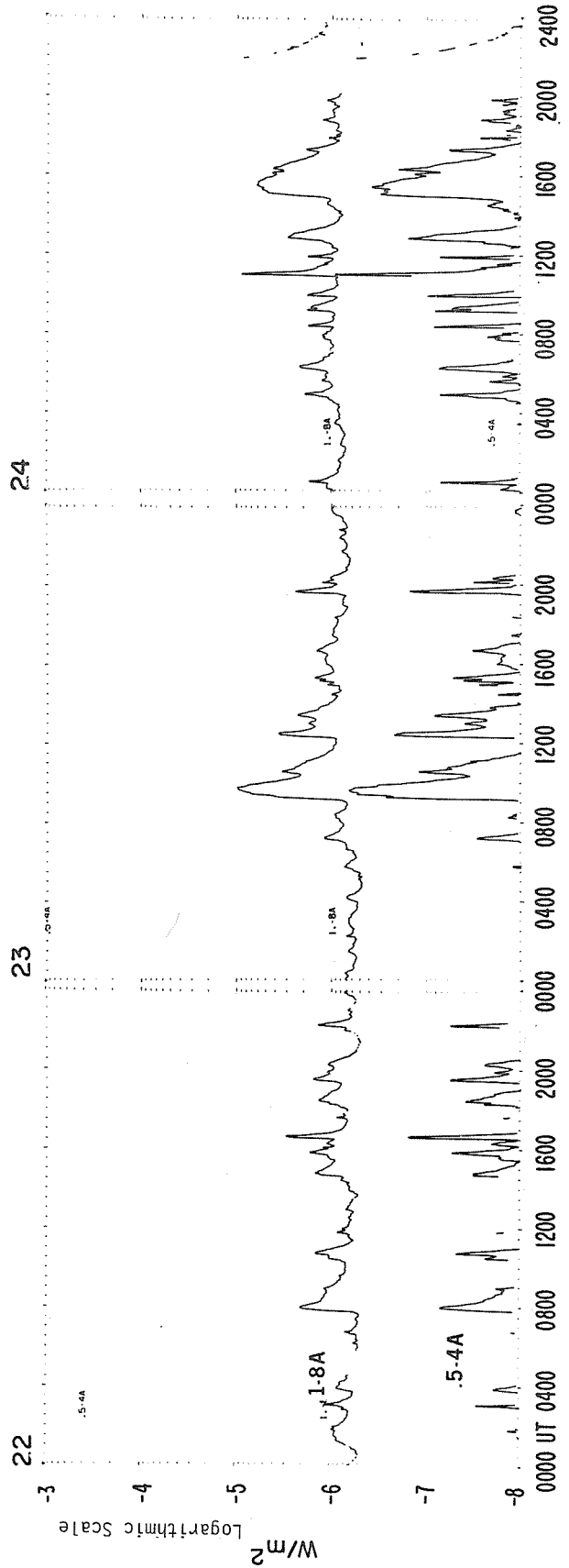
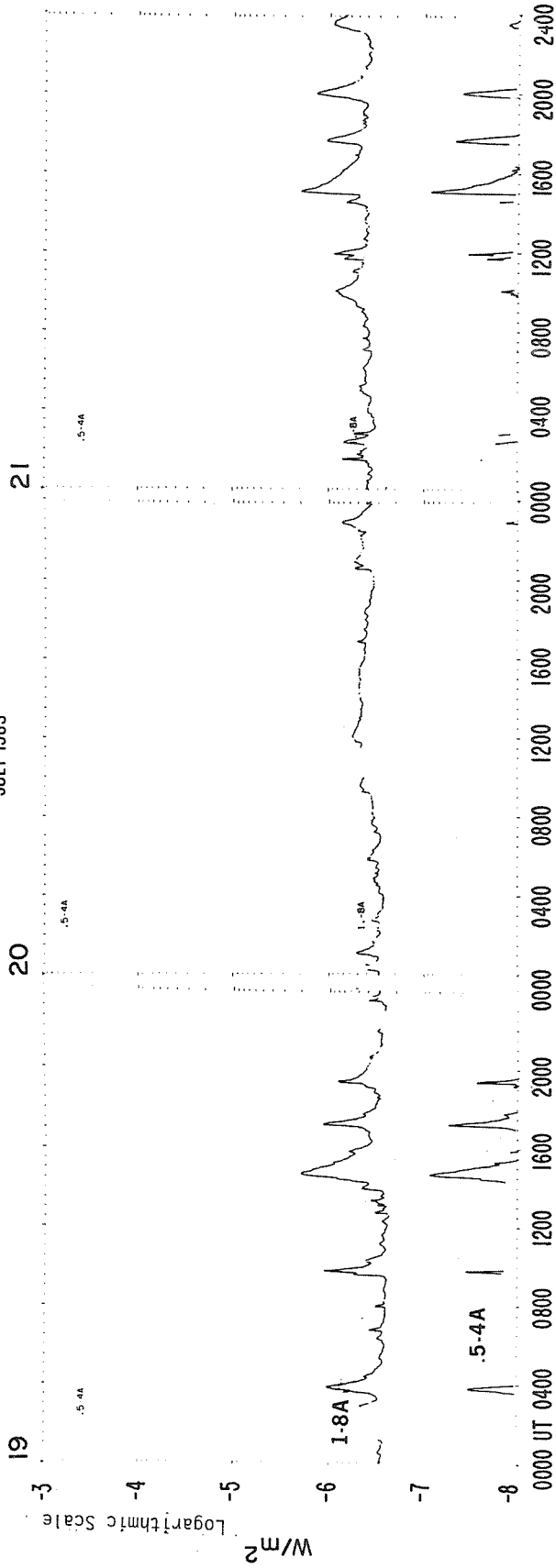
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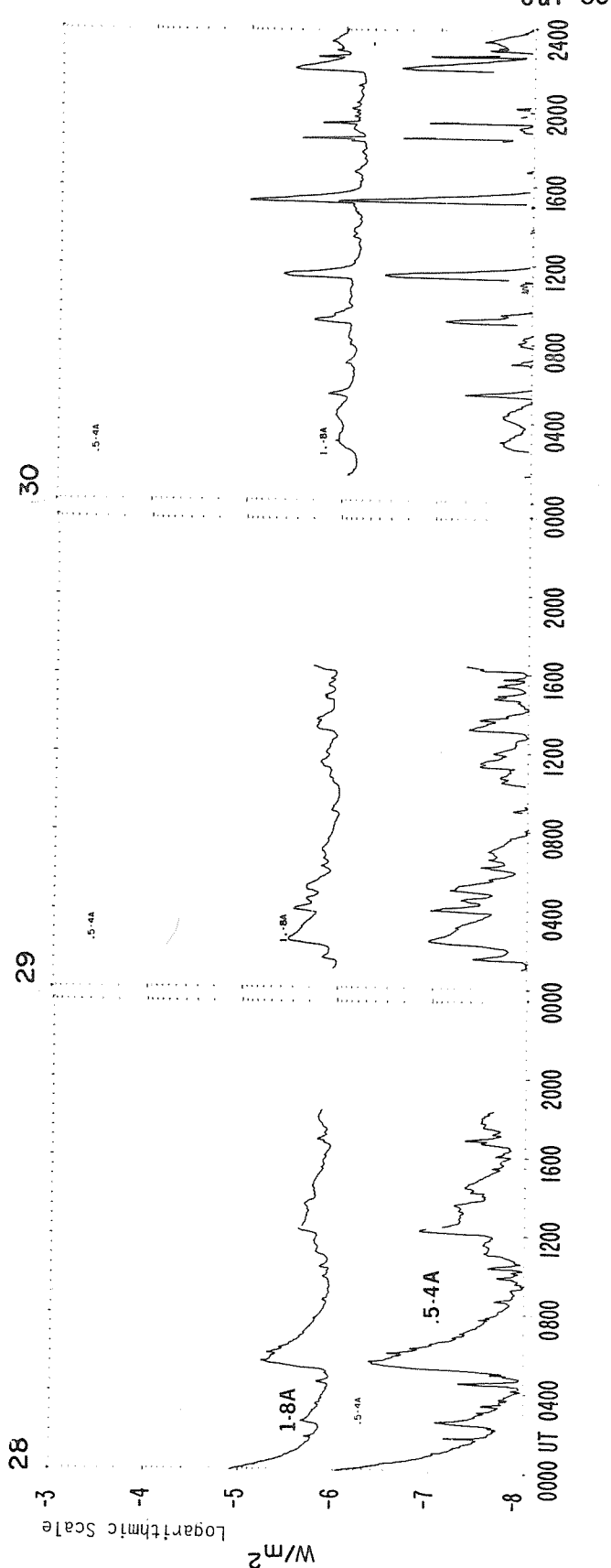
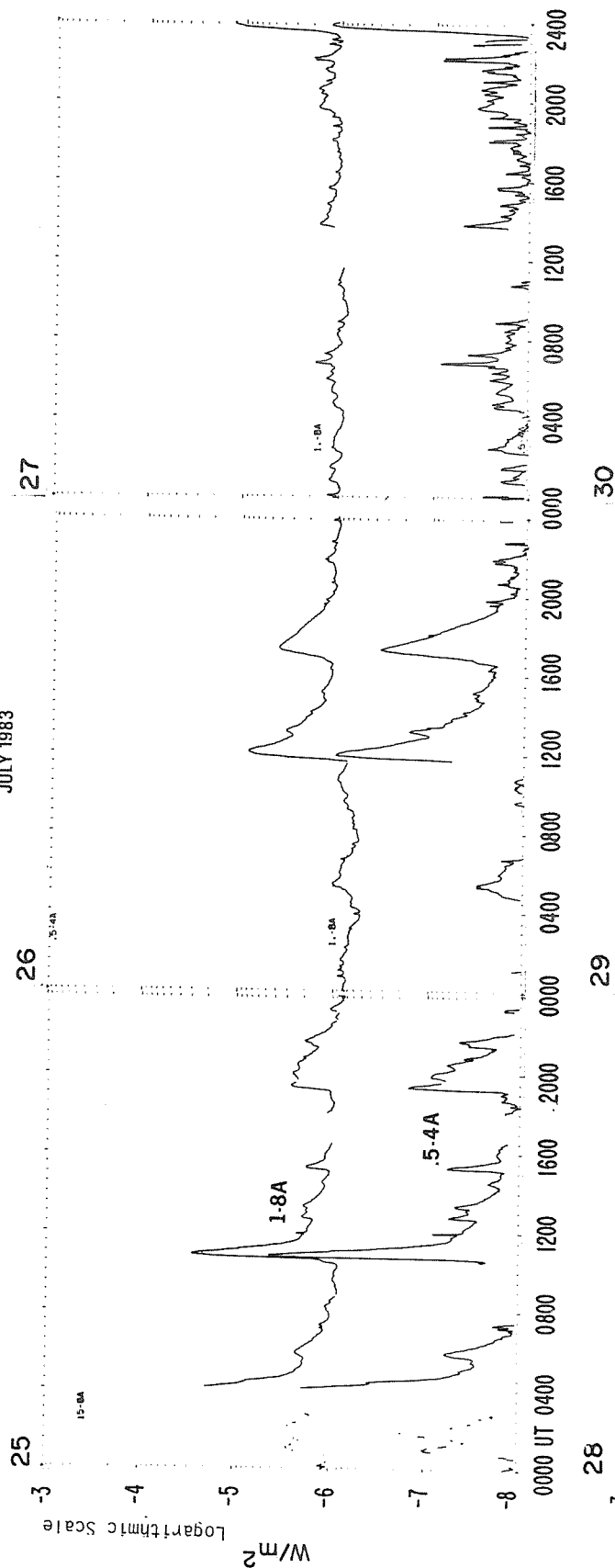
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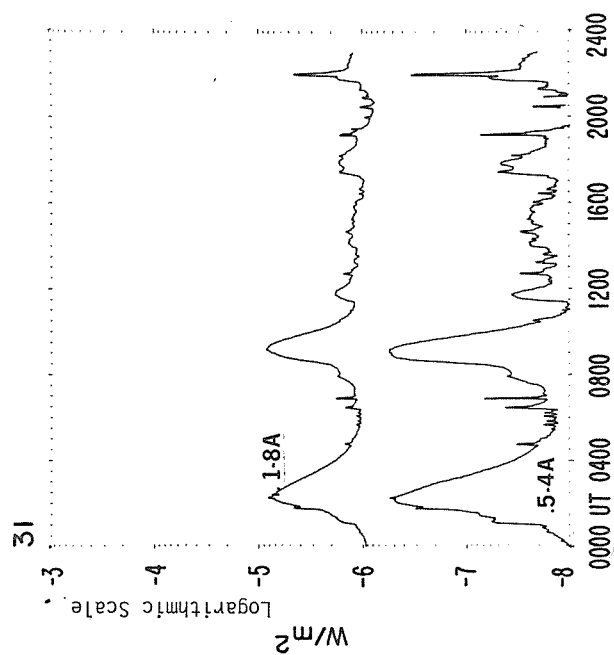
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67
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Jul 83

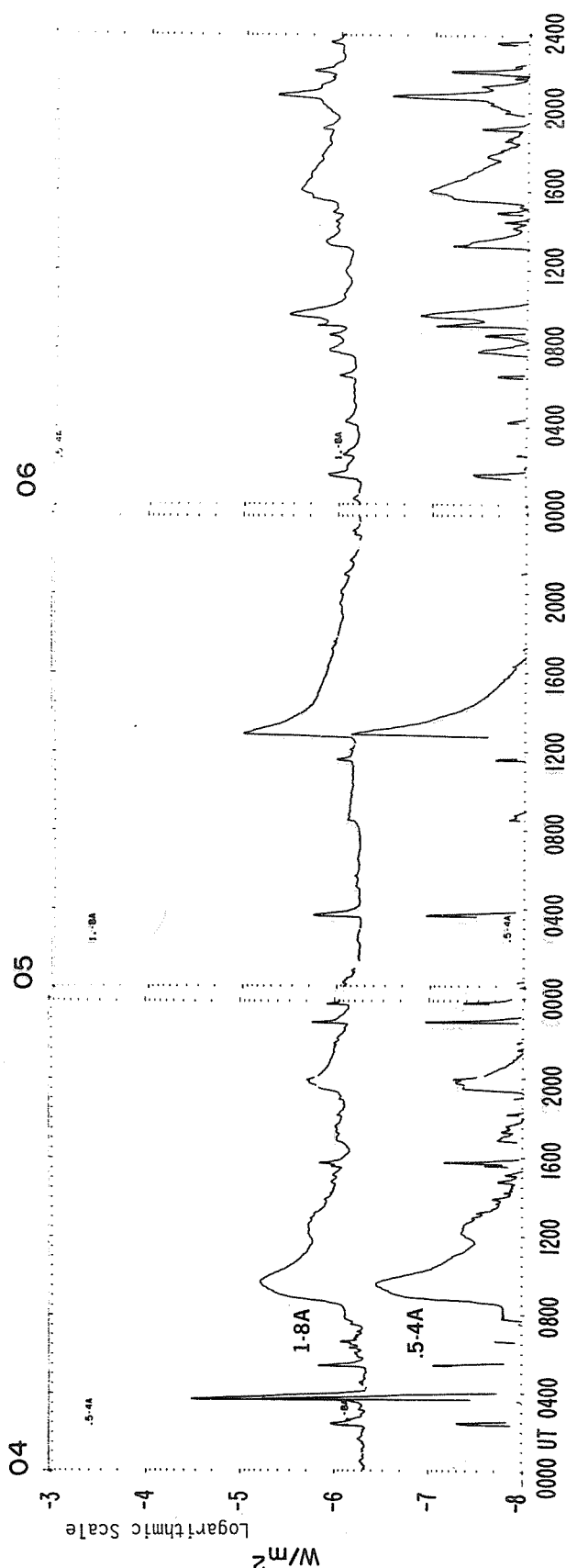
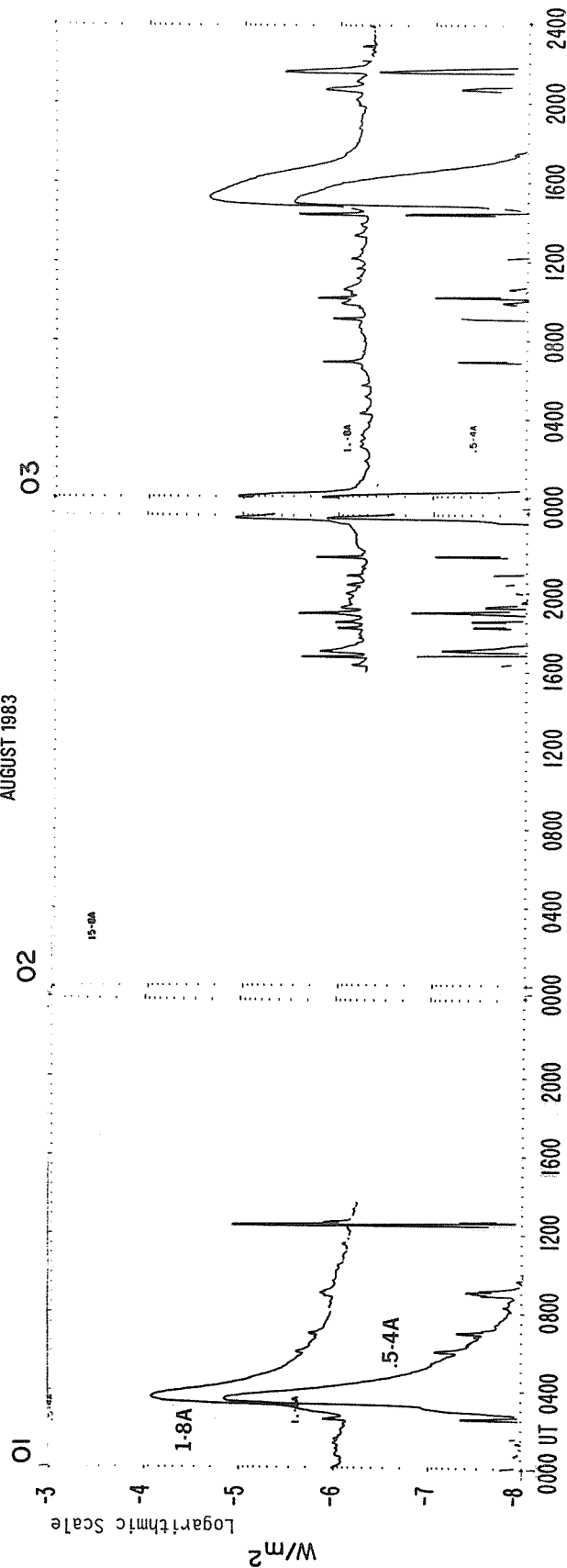
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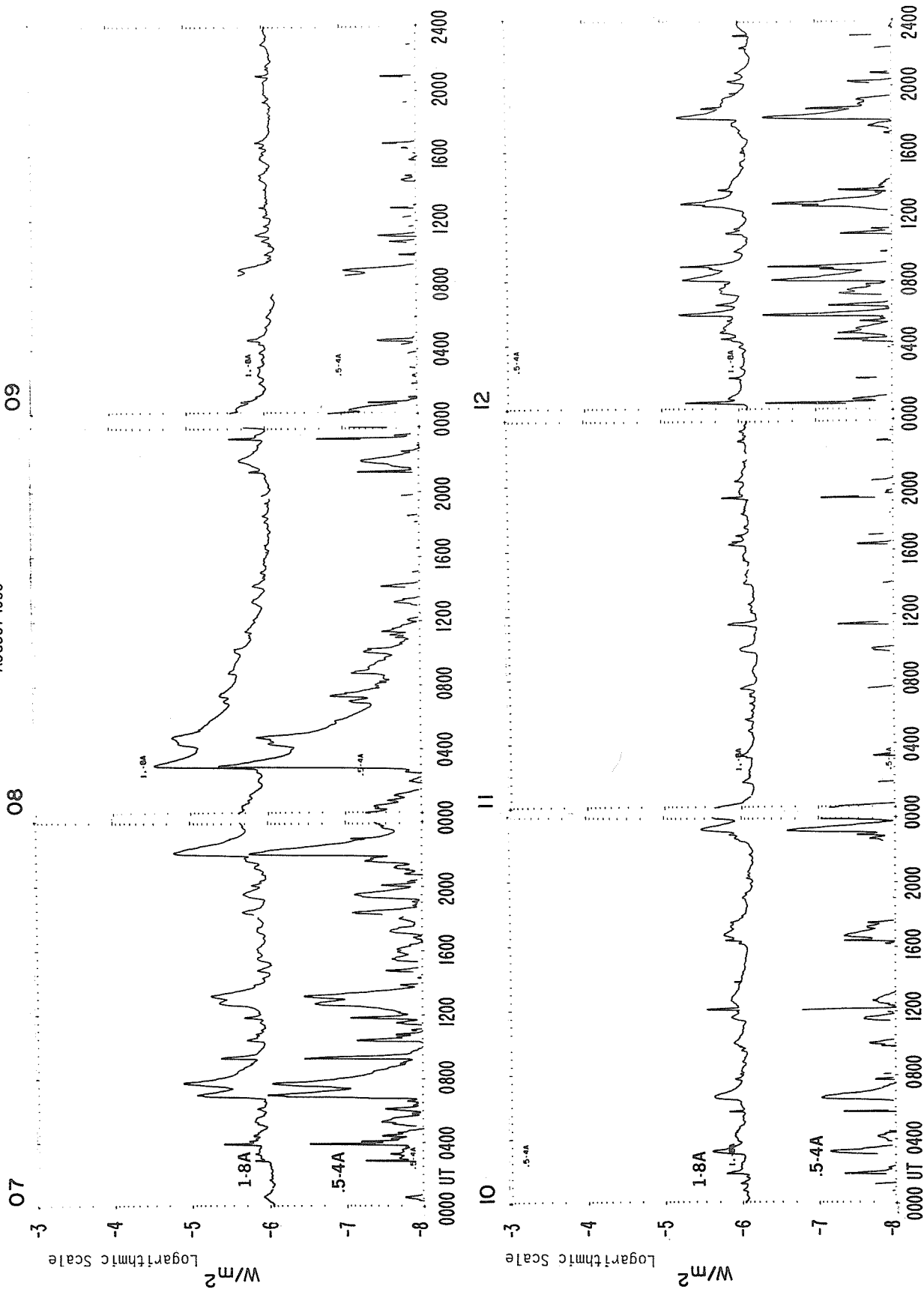
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70
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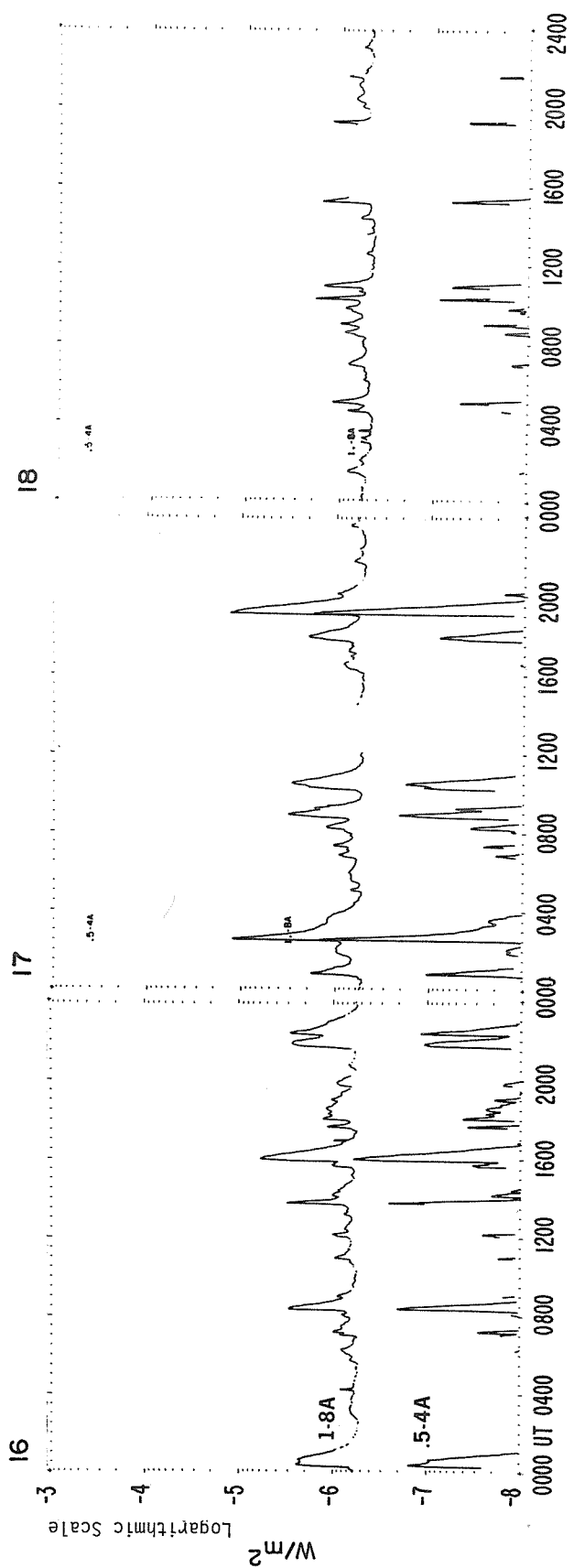
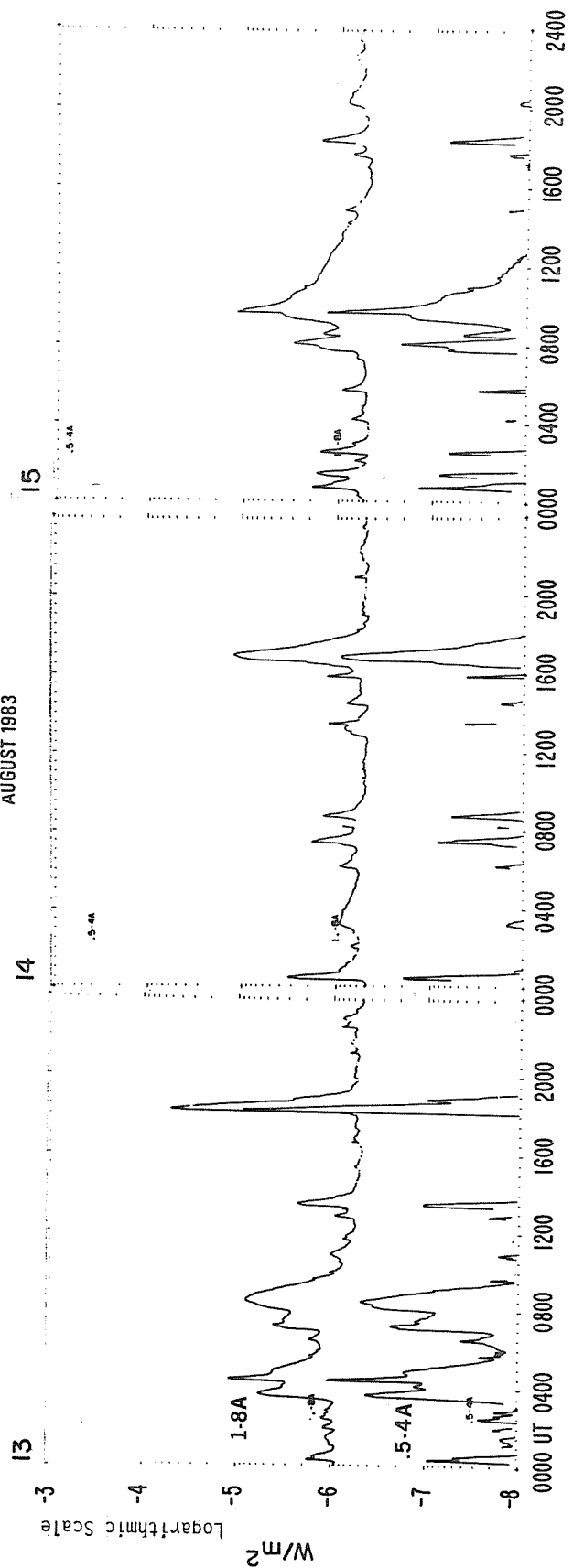
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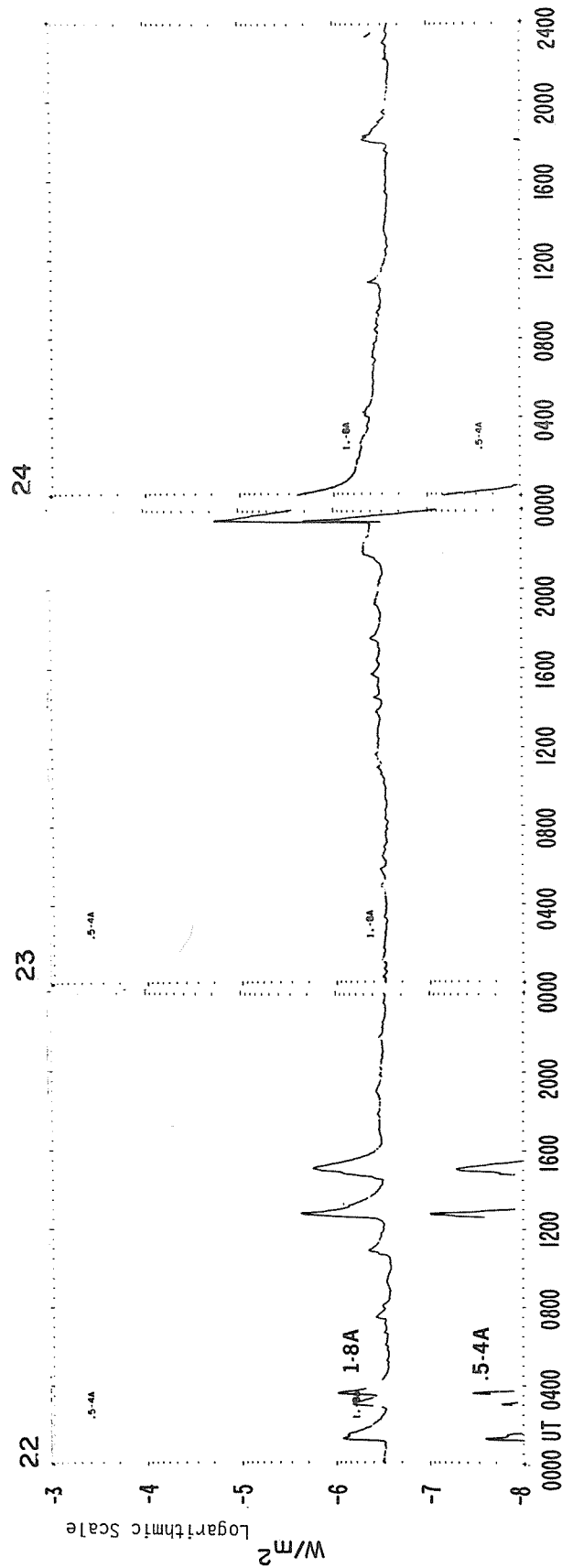
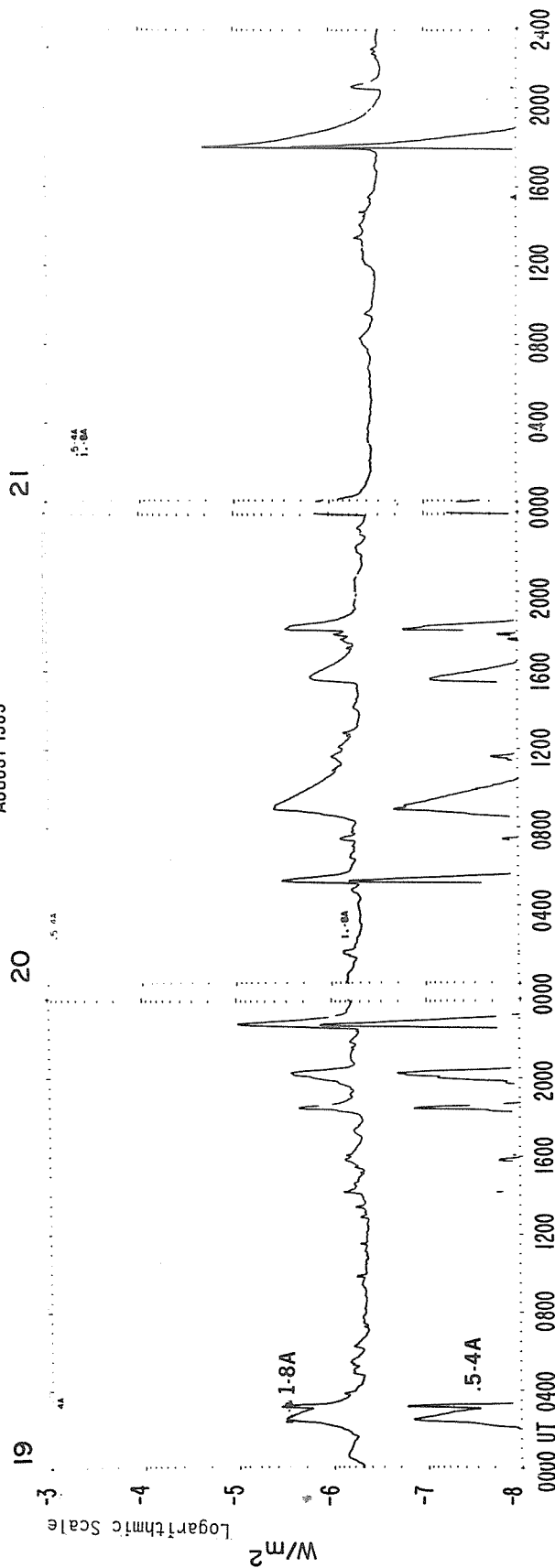
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71
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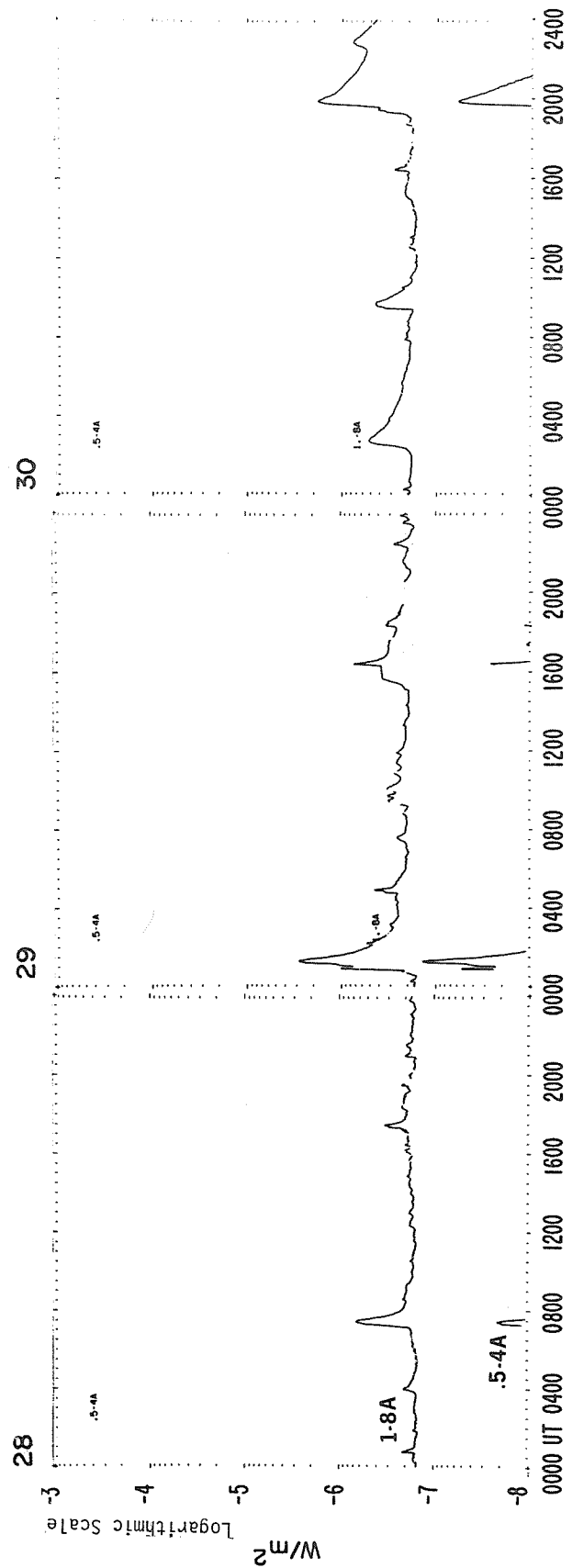
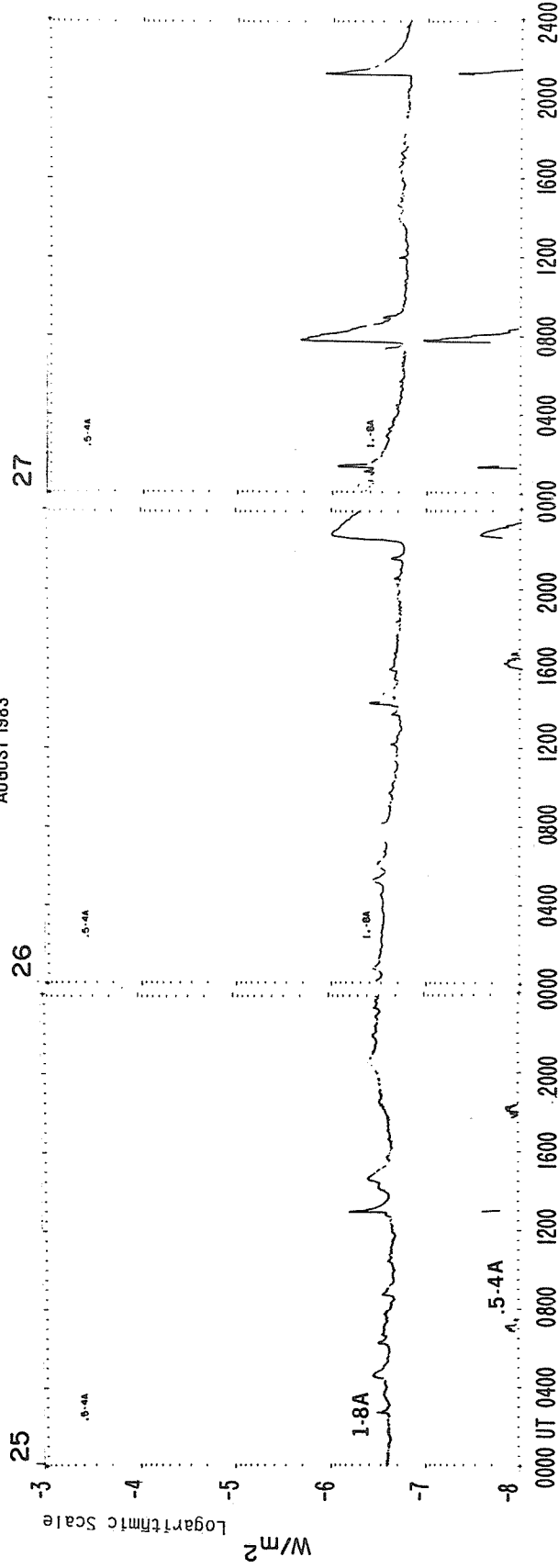
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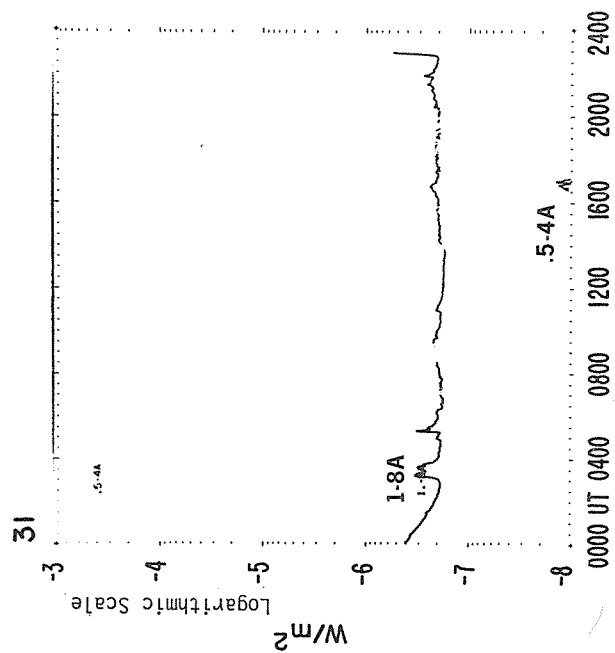
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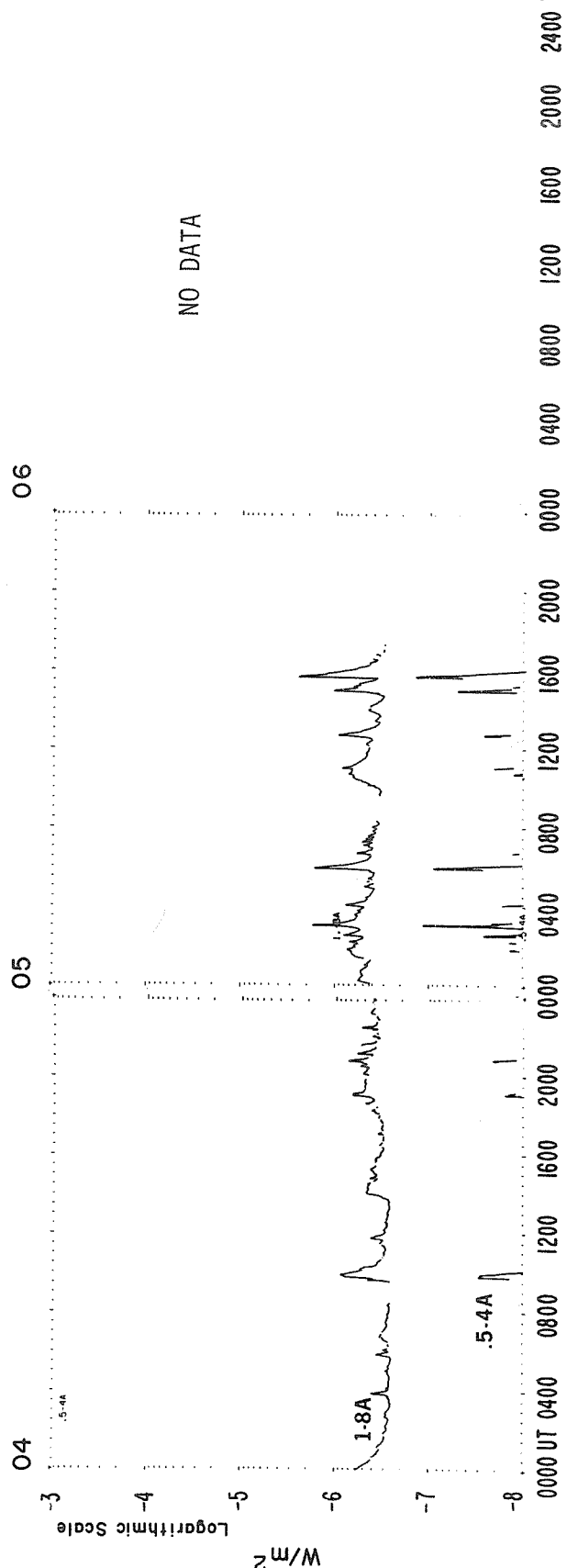
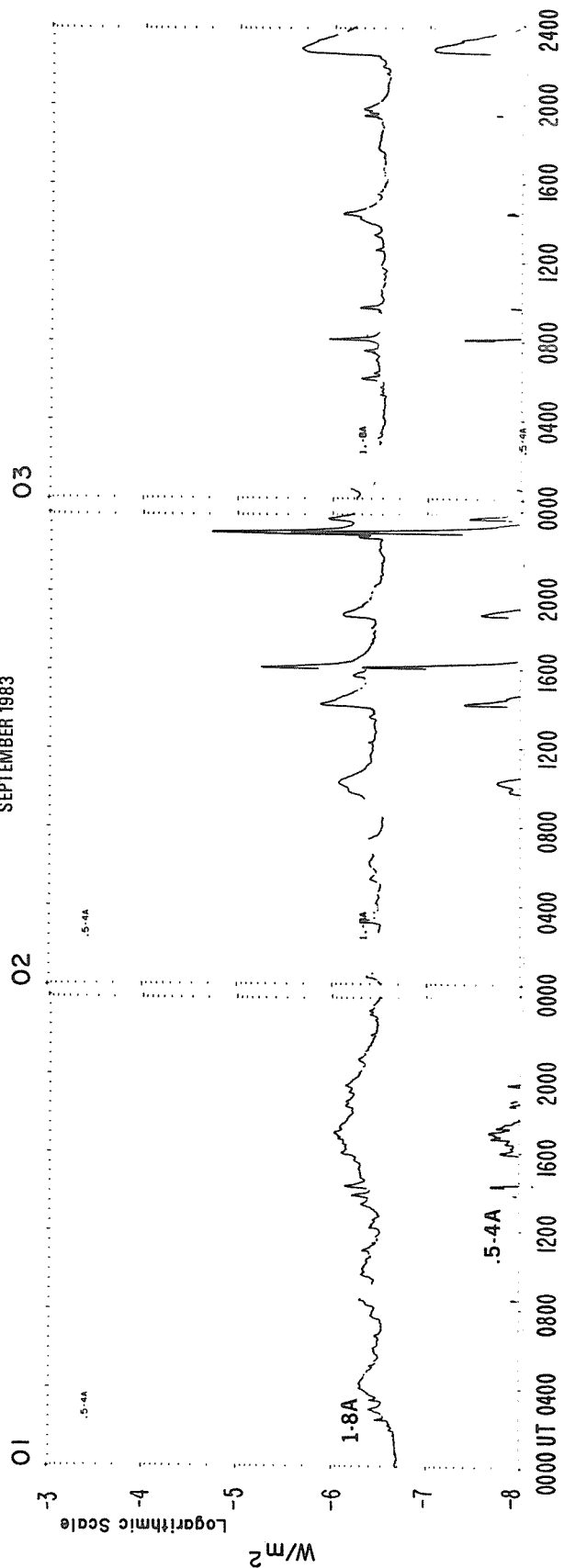
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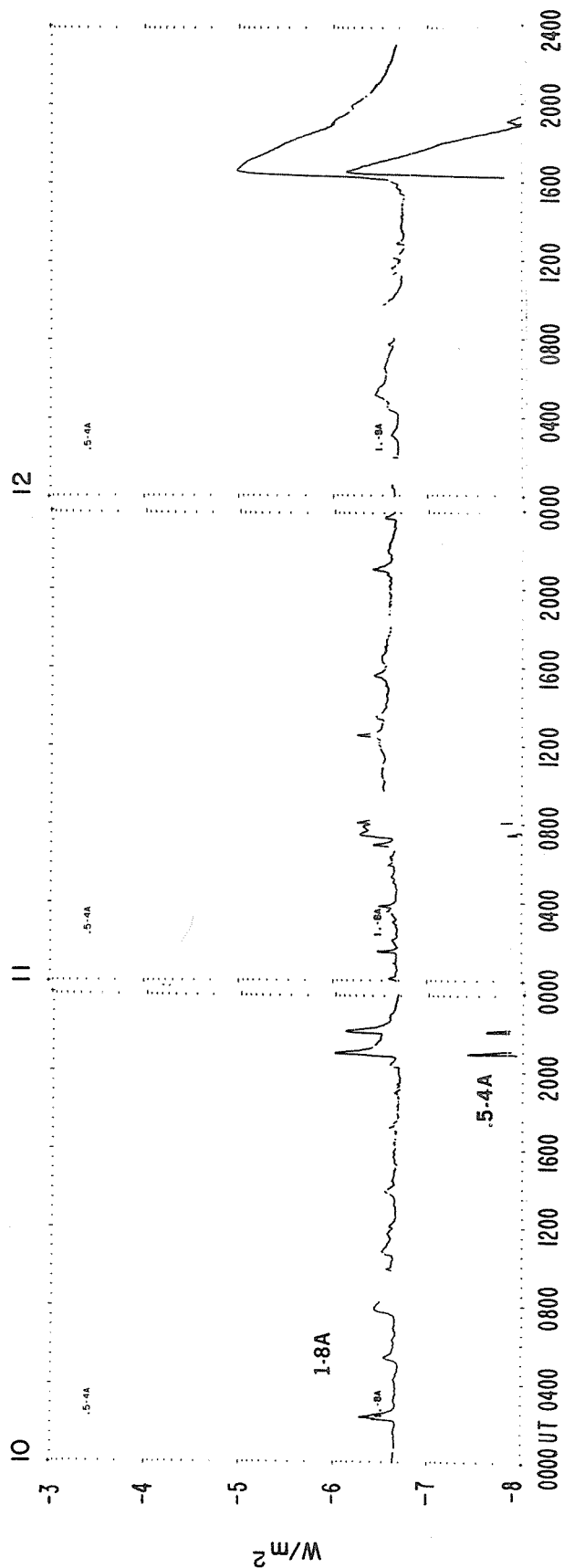
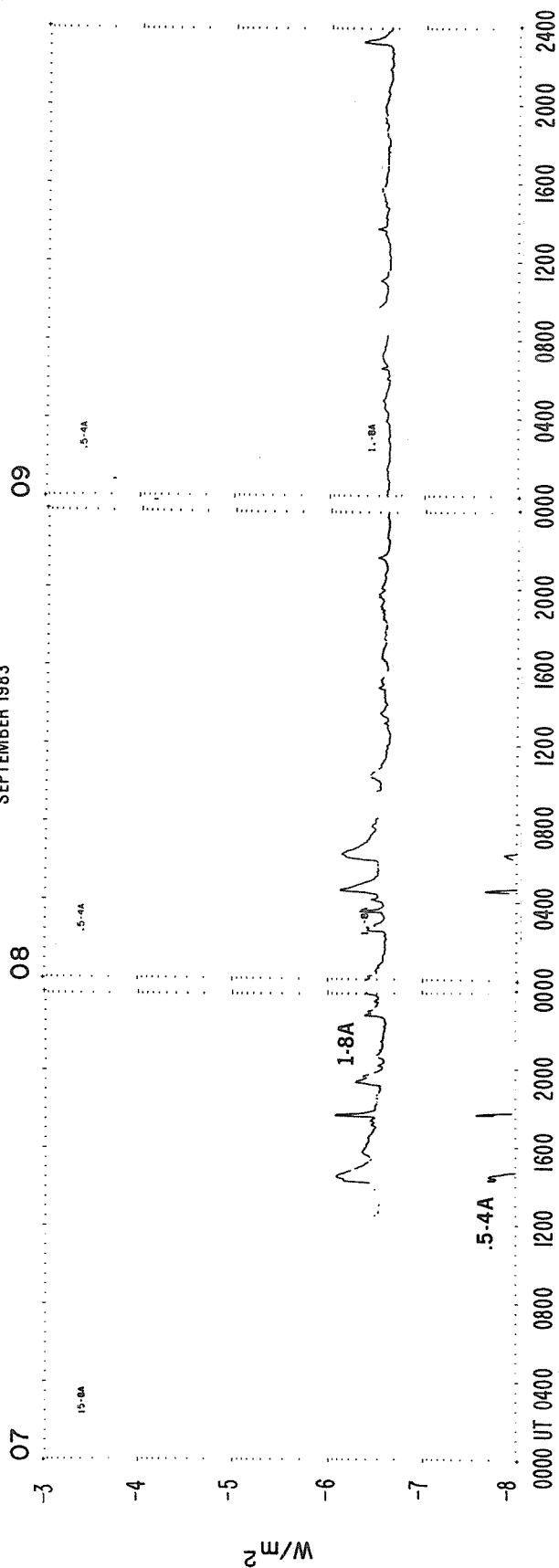


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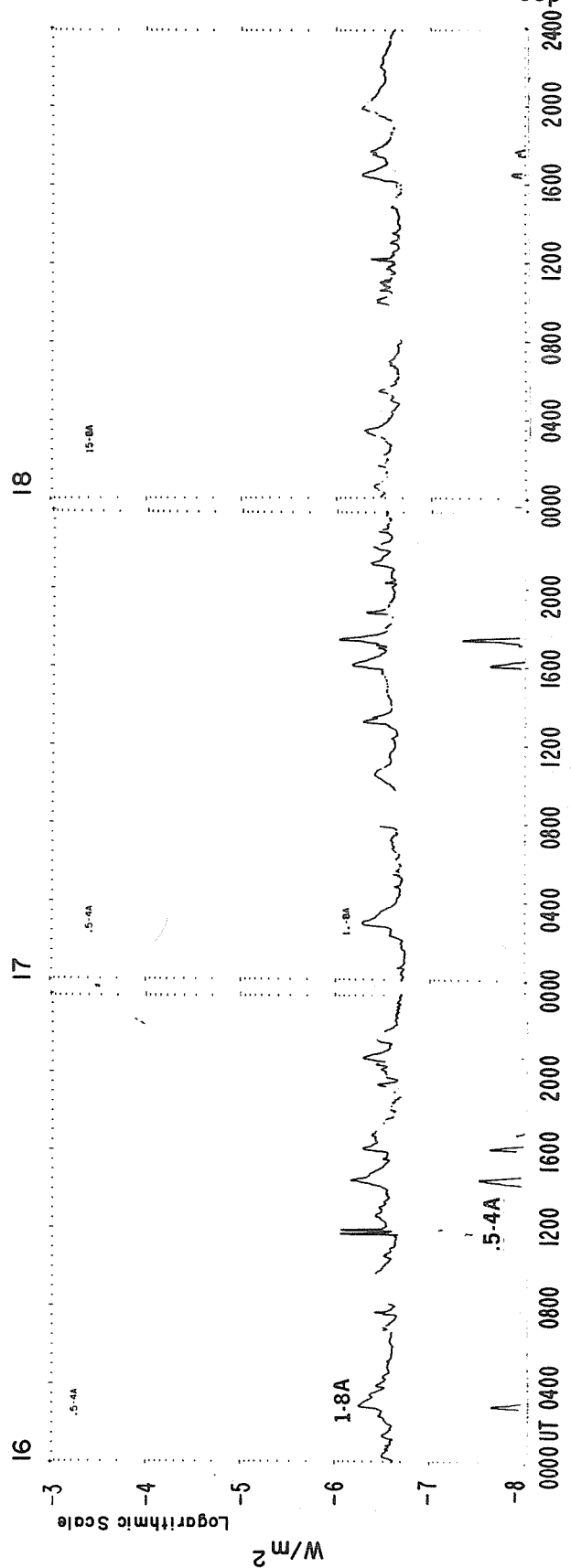
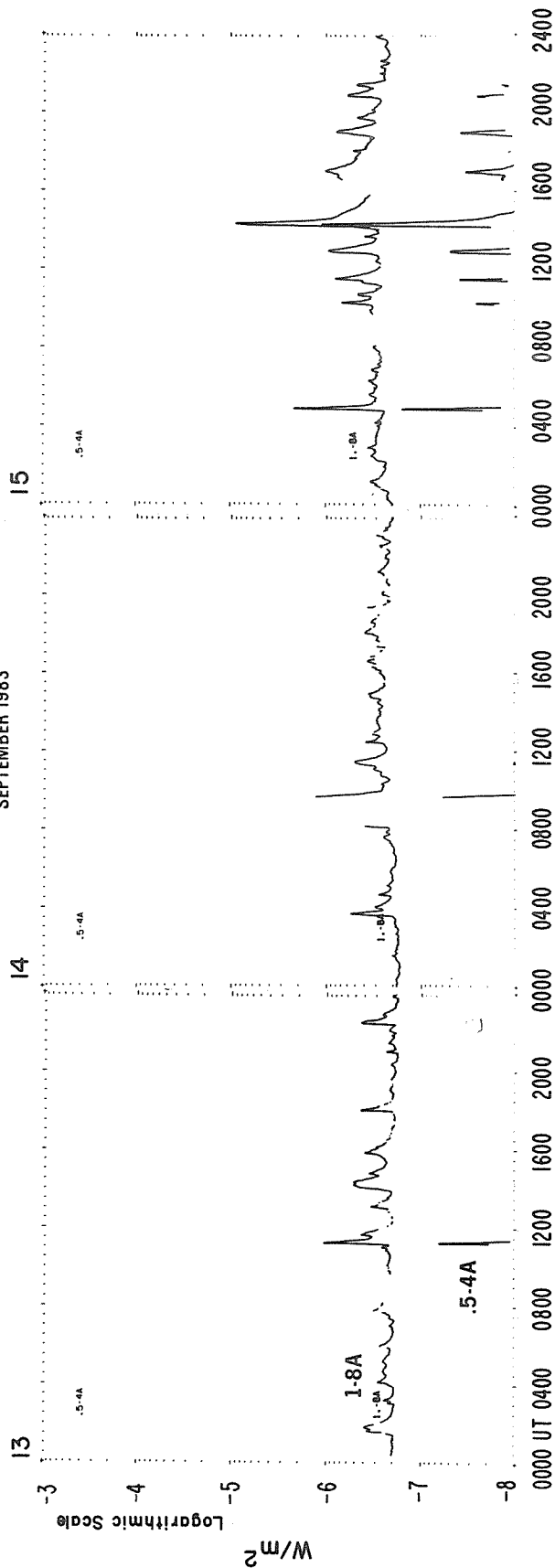
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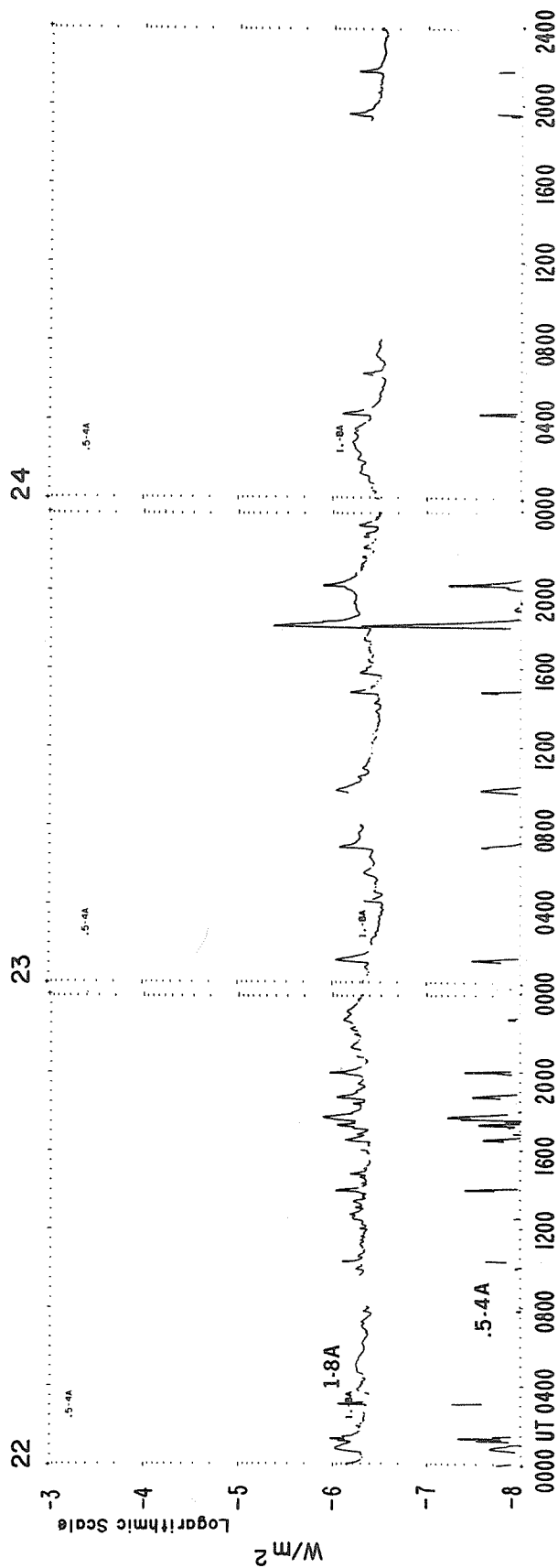
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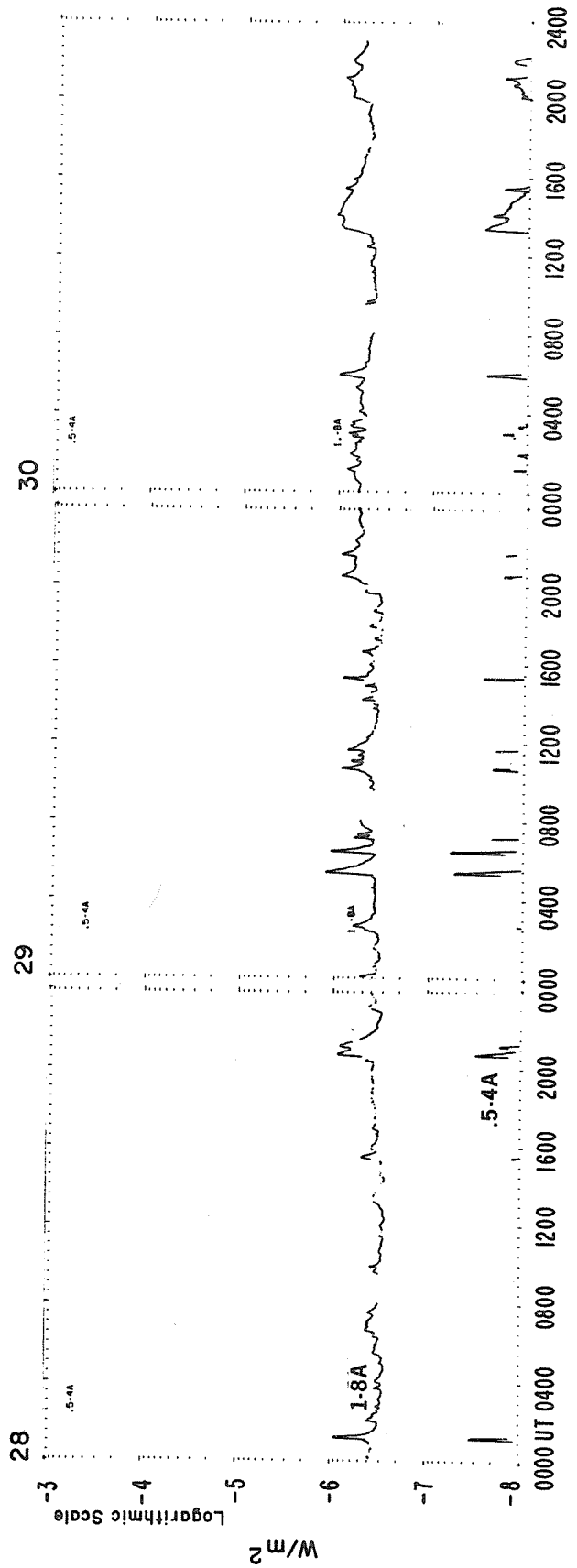
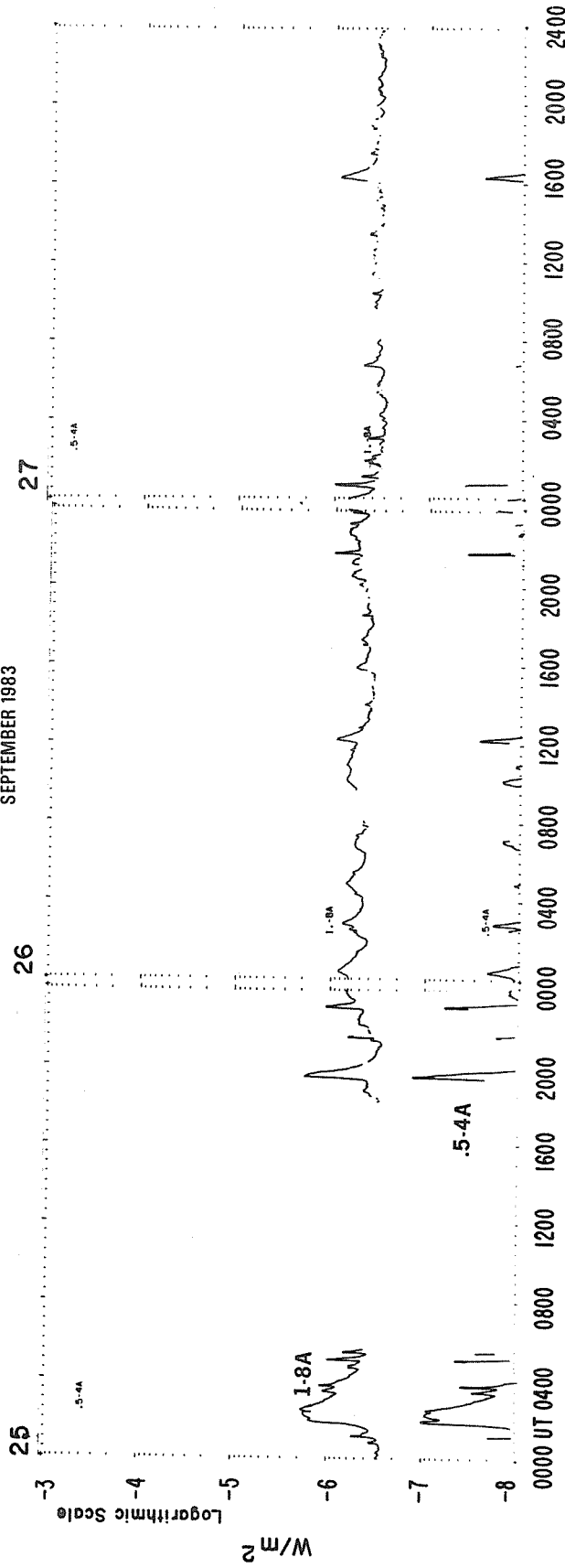
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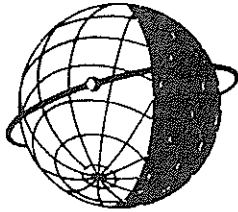


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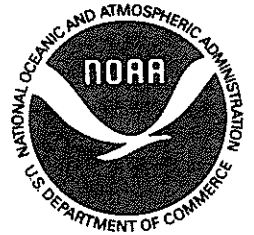
79
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Sep 83



WORLD DATA CENTER A

FOR

SOLAR-TERRESTRIAL PHYSICS



The ICSU Panel on WDCs has recommended that it would be appropriate courtesy to acknowledge in publications that data were obtained from the originating station or investigator through the intermediary of the WDCs. The following statement is suggested:

"Data used in this study were provided by WDC-A for Solar-Terrestrial Physics, NOAA E/GC2, 325 Broadway, Boulder Colorado 80303, USA."