S U N S P O T G R O U P S
(Ordered by Central Meridian Passage Date)

MAY 2001

NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Mo	Day	Time (UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9442		RAMY	04	25	1100	N30	E80	05	1.8		A	HSX	30	1	1	3
9442	30432	MWIL	04	25	1430	N28	E78	05	1.7	4	AP					
9442		VORO	04	25	2142	N27	E75	05	1.7			HAX	55	1		2
9442		LEAR	04	26	0021	N28	E70	05	1.5		A	HSX	60	1	2	3
9442		TACH	04	26	0505	N29	E67	05	1.5			AXX	5	1	1	4
9442		KAND	04	26	0740	N28	E70	05	1.8			HS		1	2	3
9442		SVTO	04	26	0750	N26	E71	05	1.8		A	HRX	30	1	1	2
9442		RAMY	04	26	1235	N28	E65	05	1.6		A	HSX	30	1	1	4
9442		HOLL	04	26	1450	N28	E64	05	1.6		A	HSX	50	1	2	3
9442	30432	MWIL	04	26	1500	N28	E67	05	1.9	4	(AP)					
9442		VORO	04	26	2146	N28	E62	05	1.7			HAX	76	1		2
9442		LEAR	04	27	0015	N30	E57	05	1.5		A	HSX	100	1	1	2
9442		TACH	04	27	0551	N28	E56	05	1.6			HSX	50	1	2	4
9442		SVTO	04	27	0630	N28	E57	05	1.7		A	HAX	60	1	1	2
9442		KAND	04	27	0700	N28	E54	05	1.5			HS		1	1	5
9442		RAMY	04	27	1206	N28	E53	05	1.6		A	HSX	40	1	2	3
9442	30432	MWIL	04	27	1500	N28	E51	05	1.6	5	(AP)					
9442		HOLL	04	27	1514	N27	E52	05	1.7		A	HSX	60	1	1	3
9442		VORO	04	27	2147	N28	E49	05	1.7			HAX	66	1		2
9442		LEAR	04	28	0010	N29	E47	05	1.7		A	HSX	70	1	1	3
9442		SVTO	04	28	0510	N28	E45	05	1.7		A	HAX	200	1	1	2
9442		TACH	04	28	0531	N28	E45	05	1.7			HSX	50	1	1	4
9442		KAND	04	28	0605	N29	E45	05	1.8			HS		1	2	4
9442		RAMY	04	28	1208	N28	E41	05	1.7		A	HSX	60	1	2	2
9442		HOLL	04	28	1450	N26	E39	05	1.6		A	HAX	90	1	2	3
9442	30432	MWIL	04	28	1500	N28	E39	05	1.7	5	(AP)					
9442		VORO	04	28	2144	N27	E36	05	1.7			HAX	67	1		2
9442		LEAR	04	29	0008	N28	E33	05	1.6		A	HAX	60	1	1	4
9442		TACH	04	29	0422	N28	E32	05	1.7			AXX	20	1	1	1
9442		SVTO	04	29	0528	N28	E32	05	1.7		A	HSX	50	1	1	2
9442		KAND	04	29	0910	N28	E29	05	1.6			HS		2	1	5
9442		RAMY	04	29	1210	N28	E29	05	1.8		A	HSX	60	1	1	3
9442		HOLL	04	29	1438	N28	E27	05	1.7		A	HSX	50	1	2	3
9442		VORO	04	29	2124	N27	E23	05	1.7			HAX	112	1		2
9442		LEAR	04	30	0003	N28	E21	05	1.6		A	HSX	50	1	1	4
9442		SVTO	04	30	0523	N28	E18	05	1.6		A	HSX	60	1	2	3
9442		TACH	04	30	0537	N27	E19	05	1.7			HSX	110	1	1	3
9442		KAND	04	30	0710	N28	E18	05	1.7			HS		1	2	2
9442		HOLL	04	30	1310	N27	E16	05	1.8		A	HSX	40	1	2	3
9442	30432	MWIL	04	30	1445	N28	E13	05	1.6	5	(AP)					
9442		LEAR	05	01	0020	N28	E07	05	1.6		A	HSX	40	1	1	2
9442		SVTO	05	01	0700	N30	E04	05	1.6		B	CSO	80	4	6	3
9442		KAND	05	01	0730	N28	E05	05	1.7			HA		1	2	4
9442		RAMY	05	01	1140	N28	E02	05	1.6		A	HSX	40	1	1	3
9442		HOLL	05	01	1420	N29	W01	05	1.5		B	CSO	60	4	5	3
9442	30432	MWIL	05	01	1430	N29	W00	05	1.6	5	(BF)					
9442		LEAR	05	02	0007	N27	W05	05	1.6		A	HSX	60	1	1	3
9442		VORO	05	02	0115	N27	W05	05	1.7			HAX	84	1		2
9442		TACH	05	02	0415	N28	W07	05	1.6			HSX	70	1	1	3
9442		SVTO	05	02	0504	N27	W08	05	1.6		A	HSX	70	1	1	2
9442		KAND	05	02	0740	N27	W07	05	1.8			HS		1	2	2
9442		RAMY	05	02	1220	N28	W11	05	1.6		A	HSX	20	1	1	4
9442		HOLL	05	02	1408	N27	W12	05	1.6		A	HSX	60	1	2	3
9442	30432	MWIL	05	02	1430	N27	W12	05	1.7	4	(AP)					
9442		LEAR	05	03	0010	N27	W18	05	1.6		A	HAX	50	1	1	4
9442		VORO	05	03	0020	N27	W16	05	1.8			HAX	62	1		2
9442		KAND	05	03	0700	N27	W21	05	1.6			HS		1	1	3
9442		SVTO	05	03	0825	N26	W22	05	1.6		A	HRX	40	1	2	2
9442		TACH	05	03	0959	N28	W22	05	1.7			HSX	203	1	1	3
9442		HOLL	05	03	1430	N26	W24	05	1.7		A	HSX	40	1	2	2
9442	30432	MWIL	05	03	1430	N27	W24	05	1.7	4	(AP)					
9442		RAMY	05	03	1550	N28	W24	05	1.8		A	HSX	50	1	1	1
9442		LEAR	05	04	0015	N27	W28	05	1.8		A	HSX	50	1	1	4
9442		SVTO	05	04	0529	N26	W32	05	1.7		A	HSX	30	1	1	3
9442		KAND	05	04	0705	N26	W32	05	1.8			HS		1	2	3
9442		RAMY	05	04	1218	N28	W34	05	1.8		A	HSX	30	1	2	2
9442	30432	MWIL	05	04	1430	N27	W37	05	1.7	5	(AP)					
9442		HOLL	05	04	1700	N27	W39	05	1.7		A	HSX	30	1	1	2
9442		LEAR	05	05	0120	N27	W42	05	1.8		A	HSX	40	1	1	1

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9442		TACH	05	05	0540	N27	W46	05	1.6			HSX	45	1	1	4
9442		KAND	05	05	0820	N27	W46	05	1.8			HR		1	1	3
9442		SVTO	05	05	1025	N27	W46	05	1.8		A	HSX	20	2	1	2
9442		RAMY	05	05	1218	N27	W45	05	2.0		A	HSX	30	1	1	2
9442	30432	MWIL	05	05	1430	N27	W50	05	1.7	5	(AP)					
9442		HOLL	05	05	1440	N26	W49	05	1.8		A	HSX	40	1	1	3
9442		VORO	05	06	0121	N27	W54	05	1.8			HAX	29	1		2
9442		TACH	05	06	0639	N26	W57	05	1.8			AXX	10	1	1	4
9442	30432	MWIL	05	06	1430	N27	W61	05	1.8	4	(AP)					
9442		HOLL	05	06	1440	N26	W65	05	1.6		A	HSX	50	1	1	3
9447		HOLL	04	29	1438	N11	E32	05	2.0		A	AXX	10	2	2	3
9447	30440	MWIL	04	29	1500	N13	E33	05	2.1	4	(B)					
9447		VORO	04	29	2124	N12	E30	05	2.1			BXO	33	3	1	2
9447		LEAR	04	30	0003	N12	E28	05	2.1		B	CRO	10	3	2	4
9447		SVTO	04	30	0523	N13	E24	05	2.0		B	CRO	10	3	3	3
9447		TACH	04	30	0537	N13	E28	05	2.3			AXX	3	1	1	3
9447		HOLL	04	30	1310	N12	E22	05	2.2		A	AXX		1	1	3
9447	30440	MWIL	04	30	1445	N14	E21	05	2.2	4	(AF)					
9447		RAMY	05	01	1140	N12	E07	05	2.0		B	DRO	10	2	2	3
9447		HOLL	05	01	1420	N13	E06	05	2.0		B	BXO	10	4	3	3
9447	30440	MWIL	05	01	1430	N12	E05	05	2.0	4	(BF)					
9447		LEAR	05	02	0007	N12	E00	05	2.0		B	DRO	20	8	4	3
9447		VORO	05	02	0115	N12	W01	05	2.0			BXI	36	4	4	2
9447		TACH	05	02	0415	N12	W04	05	1.9			BRO	488	5	3	3
9447		SVTO	05	02	0504	N12	W04	05	1.9		B	DAO	60	6	5	2
9447		KAND	05	02	0740	N12	W04	05	2.0			DAO		10	6	2
9447		RAMY	05	02	1220	N12	W07	05	2.0		B	DSO	60	14	7	4
9447		HOLL	05	02	1408	N13	W08	05	2.0		B	DAO	80	22	7	3
9447	30440	MWIL	05	02	1430	N13	W09	05	1.9	4	(B)					
9447		LEAR	05	03	0010	N12	W15	05	1.9		B	DAO	90	21	8	4
9447		VORO	05	03	0020	N12	W14	05	1.9			DSO	103	5	7	2
9447		KAND	05	03	0700	N13	W20	05	1.8			DSI		22	10	3
9447		SVTO	05	03	0825	N11	W19	05	1.9		B	EAO	100	17	11	2
9447		TACH	05	03	0959	N13	W21	05	1.8			CAI	400	11	7	3
9447		HOLL	05	03	1430	N11	W23	05	1.9		B	EAO	70	24	11	2
9447	30440	MWIL	05	03	1430	N12	W22	05	1.9	4	(BP)					
9447		RAMY	05	03	1550	N12	W21	05	2.1		B	DAO	150	19	10	1
9447		LEAR	05	04	0015	N13	W28	05	1.9		BG	EAI	200	34	11	4
9447		SVTO	05	04	0529	N12	W32	05	1.8		BG	EAI	180	22	13	3
9447		KAND	05	04	0705	N12	W34	05	1.7			EAI		37	13	3
9447		RAMY	05	04	1218	N13	W35	05	1.9		B	ESO	370	11	12	2
9447	30440	MWIL	05	04	1430	N13	W38	05	1.7	5	(BG)					
9447		HOLL	05	04	1700	N11	W39	05	1.8		B	EAO	380	32	13	2
9447		LEAR	05	05	0120	N13	W42	05	1.9		BG	DAI	240	18	10	1
9447		TACH	05	05	0540	N13	W47	05	1.7			DAI	383	9	13	4
9447		KAND	05	05	0820	N13	W49	05	1.6			EAO		18	14	3
9447		SVTO	05	05	1025	N13	W47	05	1.9		B	EAI	260	16	13	2
9447		RAMY	05	05	1218	N12	W48	05	1.9		B	ESO	270	5	12	2
9447	30440	MWIL	05	05	1430	N13	W52	05	1.7	5	(D)					
9447		HOLL	05	05	1440	N11	W53	05	1.6		BG	EAI	250	24	14	3
9447		VORO	05	06	0121	N12	W63	05	1.3			HAX	175	3		2
9447		TACH	05	06	0639	N12	W61	05	1.7			CAI	125	5	9	4
9447	30440	MWIL	05	06	1430	N13	W66	05	1.6	5	(BP)					
9447		HOLL	05	06	1440	N11	W68	05	1.5		B	EAO	200	6	14	3
9447		VORO	05	07	0011	N13	W73	05	1.5			CAO	210	2	11	2
9447		LEAR	05	07	0101	N13	W71	05	1.7		B	EAO	140	3	12	4
9447		SVTO	05	07	0548	N11	W75	05	1.6		B	ESO	210	2	11	3
9447		KAND	05	07	0900	N12	W76	05	1.6			CSO		3	10	3
9447		RAMY	05	07	1320	N13	W80	05	1.5		B	EAO	80	2	11	4
9447		HOLL	05	07	1450	N12	W79	05	1.7		B	CSO	70	3	8	3
9447	30440	MWIL	05	07	1545	N13	W80	05	1.6	4	(B)					
9447A	30441	MWIL	04	30	1445	S11	E28	05	2.7	3	(BF)					
9447A		SVTO	05	01	0700	S11	E21	05	2.9		B	CRO	10	3	2	3
9447A		RAMY	05	01	1140	S11	E16	05	2.7		B	CRO		2	2	3
9447A		HOLL	05	01	1420	S12	E15	05	2.7		A	AXX	10	2	2	3
9447A	30441	MWIL	05	01	1430	S11	E15	05	2.7	4	(B)					
9444	30436	MWIL	04	27	1500	S10	E80	05	3.6	4	AF					

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9444		KAND	04	28	0605	S09	E72	05	3.6			AX		1	1	4
9444		RAMY	04	28	1208	S11	E75	05	4.1		A	HSX	60	1	1	2
9444		HOLL	04	28	1450	S11	E71	05	3.9		A	AXX	60	4	2	3
9444	30436	MWIL	04	28	1500	S10	E71	05	3.9	4	(B)					
9444		LEAR	04	29	0008	S10	E65	05	3.9		B	DSO	70	6	5	4
9444		SVTO	04	29	0528	S11	E62	05	3.9		B	CRO	40	6	5	2
9444		KAND	04	29	0910	S10	E60	05	3.9			CAO		3	6	5
9444		RAMY	04	29	1210	S11	E58	05	3.9		B	CSO	30	3	4	3
9444		HOLL	04	29	1438	S12	E57	05	3.9		B	CAO	50	7	7	3
9444	30436	MWIL	04	29	1500	S10	E55	05	3.7	4	(B)					
9444		VORO	04	29	2124	S10	E51	05	3.7			HAX	31	1		2
9444		LEAR	04	30	0003	S11	E51	05	3.8		B	CRO	20	5	5	4
9444		SVTO	04	30	0523	S11	E48	05	3.8		B	CSO	30	3	4	3
9444		TACH	04	30	0537	S10	E47	05	3.8			HSX	40	1	1	3
9444		KAND	04	30	0710	S09	E46	05	3.7			HS		1	1	2
9444		HOLL	04	30	1310	S12	E42	05	3.7		B	BXO	10	2	5	3
9444	30436	MWIL	04	30	1445	S10	E43	05	3.8	4	(B)					
9444		LEAR	05	01	0020	S10	E36	05	3.7		B	BXO	30	4	4	2
9444		SVTO	05	01	0700	S07	E35	05	3.9		B	CSO	40	6	6	3
9444		KAND	05	01	0730	S09	E32	05	3.7			CSO		3	5	4
9444		RAMY	05	01	1140	S10	E28	05	3.6		A	HSX	10	1	1	3
9444		HOLL	05	01	1420	S09	E29	05	3.8		B	BXO	10	3	5	3
9444	30436	MWIL	05	01	1430	S09	E30	05	3.8	4	(BF)					
9444		RAMY	05	02	1220	S10	E19	05	3.9		A	AXX		2	1	4
9444		HOLL	05	02	1408	S12	E17	05	3.9		A	AXX	10	3	1	3
9444	30436	MWIL	05	02	1430	S11	E17	05	3.9	4	(AF)					
9444		LEAR	05	03	0010	S11	E12	05	3.9		A	AXX	10	4	2	4
9444		LEAR	05	04	0015	S11	W03	05	3.8		A	AXX		1		4
9450	30442	MWIL	04	30	1445	S04	E55	05	4.7	4	(AP)					
9450		VORO	05	02	0115	S03	E31	05	4.4			AXX	14	1		2
9450		TACH	05	02	0415	S03	E29	05	4.3			AXX	3	1	1	3
9450		RAMY	05	02	1220	S03	E24	05	4.3		B	CRO	10	2	1	4
9450		HOLL	05	02	1408	S04	E24	05	4.4		A	AXX	10	1	1	3
9450	30442	MWIL	05	02	1430	S03	E23	05	4.3	4	(AP)					
9450		LEAR	05	03	0010	S04	E17	05	4.3		A	AXX		1		4
9450		KAND	05	03	0700	S02	E14	05	4.3			AX		1		3
9450		SVTO	05	03	0825	S03	E13	05	4.3		A	AXX	10	1	1	2
9450		SVTO	05	04	0529	S03	E03	05	4.4		B	CRO	20	4	2	3
9450		KAND	05	04	0705	S02	E03	05	4.5			BXO		4	2	3
9450		RAMY	05	04	1218	S03	W01	05	4.4		B	CSO	20	2	3	2
9450	30442	MWIL	05	04	1430	S03	W03	05	4.4	4	(BP)					
9450		HOLL	05	04	1700	S02	W04	05	4.4		B	CAO	20	11	3	2
9450		LEAR	05	05	0120	S03	W08	05	4.4		B	DRO	20	8	4	1
9450		TACH	05	05	0540	S02	W12	05	4.3			BRO	25	3	8	4
9450		KAND	05	05	0820	S03	W11	05	4.5			BXO		6	3	3
9450		SVTO	05	05	1025	S02	W13	05	4.5		B	DAO	30	5	4	2
9450		RAMY	05	05	1218	S03	W13	05	4.5		B	DAO	60	3	4	2
9450	30442	MWIL	05	05	1430	S03	W17	05	4.3	4	(BP)					
9450		HOLL	05	05	1440	S04	W16	05	4.4		B	BXO	20	9	4	3
9450		VORO	05	06	0121	S03	W24	05	4.3			AXX	15	1		2
9450		TACH	05	06	0639	S02	W28	05	4.2			AXX	15	1	1	4
9450	30442	MWIL	05	06	1430	S02	W31	05	4.3	5	(AP)					
9450		HOLL	05	06	1440	S03	W32	05	4.2		A	HSX	20	2	1	3
9450		VORO	05	07	0011	S02	W36	05	4.3			BXI	21	6	6	2
9450		LEAR	05	07	0101	S03	W36	05	4.3		B	BXO	10	5	5	4
9450		SVTO	05	07	0548	S03	W39	05	4.3		B	DSO	30	4	7	3
9450		RAMY	05	07	1320	S01	W43	05	4.3		B	DSO	10	3	7	4
9450		HOLL	05	07	1450	S02	W45	05	4.2		B	CAO	50	3	7	3
9450	30442	MWIL	05	07	1545	S02	W45	05	4.3	4	(B)					
9450		LEAR	05	08	0215	S02	W55	05	4.0		A	AXX	20	2	2	3
9450		VORO	05	08	0324	S02	W55	05	4.0			AXX	7	1		2
9450		LEAR	05	09	0525	S01	W68	05	4.1		A	AXX	10	1	1	2
9445		KAND	04	28	0605	N26	E80	05	4.5			HS		1	2	4
9445		RAMY	04	28	1208	N24	E84	05	5.0		B	CAO	60	3	5	2
9445		HOLL	04	28	1450	N23	E79	05	4.7		B	CAO	60	5	5	3
9445	30437	MWIL	04	28	1500	N25	E79	05	4.7	4	(AP)					
9445		VORO	04	28	2144	N25	E78	05	4.9			DAI	269	6	10	2

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NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Mo	Day	Time (UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9445		LEAR	04	29	0008	N25	E72	05	4.6		B	DAO	120	11	10	4
9445		TACH	04	29	0422	N25	E74	05	4.9			BRO	21	3	7	1
9445		SVTO	04	29	0528	N25	E72	05	4.8		B	DAO	210	7	8	2
9445		KAND	04	29	0610	N25	E70	05	4.7			EAO		8	14	5
9445		RAMY	04	29	1210	N23	E70	05	4.9		B	ESO	260	8	15	3
9445		HOLL	04	29	1438	N24	E63	05	4.5		B	DSO	210	11	10	3
9445	30437	MWIL	04	29	1500	N25	E67	05	4.8	4	(BP)					
9445		VORO	04	29	2124	N25	E65	05	4.9			DAI	454	5	11	2
9445		LEAR	04	30	0003	N25	E61	05	4.7		B	FAO	300	20	16	4
9445		SVTO	04	30	0523	N25	E58	05	4.7		B	EAO	340	15	13	3
9445		TACH	04	30	0537	N23	E59	05	4.8			DAI	174	8	6	3
9445		KAND	04	30	0710	N24	E58	05	4.8			EAO		11	14	2
9445		HOLL	04	30	1310	N23	E55	05	4.8		B	EAO	360	27	14	3
9445	30437	MWIL	04	30	1445	N25	E54	05	4.8	5	(BG)					
9445		LEAR	05	01	0020	N26	E48	05	4.7		B	EAO	350	22	12	2
9445		SVTO	05	01	0700	N27	E46	05	4.9		B	FAO	440	28	20	3
9445		KAND	05	01	0730	N25	E44	05	4.7			FAO		17	17	4
9445		RAMY	05	01	1140	N25	E43	05	4.8		B	EAI	320	23	16	3
9445		HOLL	05	01	1420	N25	E42	05	4.8		B	FAI	450	37	17	3
9445	30437	MWIL	05	01	1430	N25	E41	05	4.8	5	(D)					
9445		LEAR	05	02	0007	N26	E34	05	4.6		B	FAI	330	35	15	3
9445		VORO	05	02	0115	N25	E36	05	4.8			DAI	429	12	17	2
9445		TACH	05	02	0415	N25	E31	05	4.6			DAI	32	14	12	3
9445		SVTO	05	02	0504	N26	E33	05	4.8		BG	FSI	450	32	19	2
9445		KAND	05	02	0740	N25	E31	05	4.7			FSI		26	20	2
9445		RAMY	05	02	1220	N25	E29	05	4.8		B	FAC	280	38	19	4
9445		HOLL	05	02	1408	N24	E28	05	4.7		B	FAI	330	51	18	3
9445	30437	MWIL	05	02	1430	N25	E27	05	4.7	5	(D)					
9445		LEAR	05	03	0010	N24	E21	05	4.6		BG	FAI	250	30	19	4
9445		VORO	05	03	0020	N25	E23	05	4.8			DAI	374	10	17	2
9445		KAND	05	03	0700	N25	E19	05	4.8			FSC		22	19	3
9445		SVTO	05	03	0825	N26	E17	05	4.7		B	FAI	200	26	20	2
9445		TACH	05	03	0959	N26	E16	05	4.6			DAI	100	14	17	3
9445	30437	MWIL	05	03	1430	N24	E13	05	4.6	4	(BG)					
9445		HOLL	05	03	1430	N24	E17	05	4.9		BG	FAI	290	41	23	2
9445		RAMY	05	03	1550	N25	E16	05	4.9		BG	FAI	210	20	17	1
9445		LEAR	05	04	0015	N24	E08	05	4.6		BG	FAI	240	34	18	4
9445		SVTO	05	04	0529	N26	E06	05	4.7		B	FAI	300	30	19	3
9445		KAND	05	04	0705	N25	E06	05	4.7			FAC		50	17	3
9445		RAMY	05	04	1218	N26	E03	05	4.7		BG	FAI	380	23	19	2
9445	30437	MWIL	05	04	1430	N24	E01	05	4.7	5	(D)					
9445		HOLL	05	04	1700	N24	W01	05	4.6		BG	FAI	330	67	20	2
9445		LEAR	05	05	0120	N24	W04	05	4.7		BG	FAI	270	34	17	1
9445		TACH	05	05	0540	N26	W09	05	4.5			DAI	287	14	18	4
9445		KAND	05	05	0820	N25	W07	05	4.8			FAC		31	20	3
9445		SVTO	05	05	1025	N25	W09	05	4.7		B	FAI	190	35	19	2
9445		RAMY	05	05	1218	N25	W08	05	4.9		BG	FAI	280	15	19	2
9445	30437	MWIL	05	05	1430	N24	W11	05	4.7	5	(BG)					
9445		HOLL	05	05	1440	N23	W13	05	4.6		BG	FAI	190	42	21	3
9445		VORO	05	06	0121	N25	W17	05	4.7			DAI	229	12	19	2
9445		TACH	05	06	0639	N25	W20	05	4.7			CAI	180	14	18	4
9445	30437	MWIL	05	06	1430	N25	W24	05	4.7	5	(BG)					
9445		HOLL	05	06	1440	N23	W25	05	4.7		BG	FAI	180	34	20	3
9445		VORO	05	07	0011	N26	W31	05	4.6			DAI	159	16	18	2
9445		LEAR	05	07	0101	N25	W30	05	4.7		BG	FAI	80	19	21	4
9445		SVTO	05	07	0548	N25	W32	05	4.8		BG	ESI	160	12	14	3
9445		KAND	05	07	0900	N23	W34	05	4.7			FAO		5	18	3
9445		RAMY	05	07	1320	N26	W37	05	4.7		B	FAI	70	12	17	4
9445		HOLL	05	07	1450	N25	W38	05	4.7		BG	FAI	140	16	20	3
9445	30437	MWIL	05	07	1545	N25	W37	05	4.8	4	(BG)					
9445		LEAR	05	08	0215	N24	W42	05	4.8		B	FAI	80	7	18	3
9445		VORO	05	08	0324	N26	W40	05	5.0			CAO	59	2	9	2
9445		SVTO	05	08	0850	N23	W45	05	4.9		B	FAO	80	5	20	2
9445		KAND	05	08	0955	N25	W45	05	4.9			ESO		2	11	2
9445		RAMY	05	08	1204	N26	W48	05	4.8		B	FAO	50	6	19	4
9445		HOLL	05	08	1421	N24	W50	05	4.7		BG	FAI	160	15	19	4
9445	30437	MWIL	05	08	1430	N25	W49	05	4.8	4	(BG)					
9445		LEAR	05	09	0525	N25	W54	05	5.0		BG	FAO	100	9	19	2
9445		SVTO	05	09	0534	N25	W55	05	5.0		B	EAO	80	5	12	3

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NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Mo	Day	Time (UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9445		TACH	05	09	0641	N28	W51	05	5.3			BR	16	4	3	3
9445		KAND	05	09	1335	N25	W55	05	5.3			CSO		3	3	3
9445	30437	MWIL	05	09	1415	N25	W62	05	4.8	4	(BG)					
9445		HOLL	05	09	1751	N24	W68	05	4.5		B	CSO	70	8	21	3
9445		SVTO	05	10	0537	N21	W68	05	5.0		A	HSX	30	1	1	2
9445A		HOLL	04	30	1310	N05	E61	05	5.1		A	AXX		1	1	3
9445A		LEAR	05	03	0010	N07	E24	05	4.8		A	AXX		1		4
9445A		LEAR	05	04	0015	N06	E12	05	4.9		A	AXX		2	1	4
9445A		SVTO	05	04	0529	N05	E09	05	4.9		A	AXX		1		3
9445A		KAND	05	04	0705	N06	E08	05	4.9			AX		1		3
9445A	30445	MWIL	05	04	1430	N06	E03	05	4.8	4	(BP)					
9445A		HOLL	05	04	1700	N05	E00	05	4.7		A	AXX		1		2
9445B	30438	MWIL	04	28	1500	S34	E83	05	5.2	3	AP					
9448A		SVTO	05	03	0825	N23	E44	05	6.7		A	HAX	100	5	3	2
9448		SVTO	05	01	0700	N23	E76	05	7.1		A	HRX	30	1	3	3
9448		RAMY	05	01	1140	N21	E80	05	7.6		A	HSX	70	1	2	3
9448		HOLL	05	01	1420	N21	E78	05	7.6		A	HSX	120	1	2	3
9448	30443	MWIL	05	01	1430	N22	E78	05	7.6	5	(AP)					
9448		LEAR	05	02	0007	N23	E72	05	7.5		A	HSX	120	1	2	3
9448		VORO	05	02	0115	N20	E72	05	7.5			HAX	250	1		2
9448		TACH	05	02	0415	N22	E71	05	7.6			HSX	100	1	3	3
9448		SVTO	05	02	0504	N23	E69	05	7.5		A	HSX	180	1	4	2
9448		KAND	05	02	0740	N21	E68	05	7.5			HA		4	3	2
9448		RAMY	05	02	1220	N21	E66	05	7.6		B	CAO	100	2	3	4
9448		HOLL	05	02	1408	N21	E66	05	7.6		A	HAX	170	4	3	3
9448	30443	MWIL	05	02	1430	N22	E65	05	7.6	5	(AP)					
9448		LEAR	05	03	0010	N22	E58	05	7.5		A	HAX	100	2	1	4
9448		VORO	05	03	0020	N21	E61	05	7.7			HAX	148	1		2
9448		KAND	05	03	0700	N22	E57	05	7.7			HS		2	3	3
9448		SVTO	05	03	0825	N23	E54	05	7.5		A	HAX	100	5	3	2
9448		TACH	05	03	0959	N23	E53	05	7.5			HSX	102	3	1	3
9448		HOLL	05	03	1430	N19	E54	05	7.7		B	DAO	100	8	5	2
9448	30443	MWIL	05	03	1430	N22	E52	05	7.6	5	(AP)					
9448		RAMY	05	03	1550	N21	E51	05	7.6		B	CSO	100	2	3	1
9448		LEAR	05	04	0015	N20	E47	05	7.6		B	CAO	110	5	5	4
9448		SVTO	05	04	0529	N21	E44	05	7.6		B	DAO	150	7	5	3
9448		KAND	05	04	0705	N21	E43	05	7.6			HA		6	4	3
9448		RAMY	05	04	1218	N21	E40	05	7.6		B	CSO	80	2	3	2
9448	30443	MWIL	05	04	1430	N21	E39	05	7.6	5	(AP)					
9448		HOLL	05	04	1700	N20	E37	05	7.5		B	CAO	110	7	3	2
9448		LEAR	05	05	0120	N21	E34	05	7.7		B	DAO	130	5	3	1
9448		TACH	05	05	0540	N22	E30	05	7.5			HSX	160	1	2	4
9448		KAND	05	05	0820	N22	E29	05	7.6			HA		7	3	3
9448		SVTO	05	05	1025	N21	E28	05	7.6		B	CAO	130	5	3	2
9448		RAMY	05	05	1218	N21	E29	05	7.7		B	HSX	110	1	2	2
9448	30443	MWIL	05	05	1430	N21	E26	05	7.6	5	(AP)					
9448		HOLL	05	05	1440	N20	E27	05	7.7		B	CAO	90	8	5	3
9448		VORO	05	06	0121	N22	E21	05	7.7			HAX	150	1		2
9448		TACH	05	06	0639	N21	E18	05	7.6			HSX	200	1	2	4
9448	30443	MWIL	05	06	1430	N21	E13	05	7.6	5	(AP)					
9448		HOLL	05	06	1440	N21	E12	05	7.5		A	HAX	100	4	2	3
9448		VORO	05	07	0011	N21	E08	05	7.6			HHX	196	2		2
9448		LEAR	05	07	0101	N21	E07	05	7.6		B	CSO	100	5	8	4
9448		SVTO	05	07	0548	N21	E03	05	7.5		B	CSO	120	4	5	3
9448		KAND	05	07	0900	N20	E03	05	7.6			HA		3	2	3
9448		RAMY	05	07	1320	N22	E01	05	7.6		B	CSO	140	5	3	4
9448		HOLL	05	07	1450	N22	W01	05	7.5		B	CSO	170	9	6	3
9448	30443	MWIL	05	07	1545	N21	E00	05	7.6	5	(AP)					
9448		LEAR	05	08	0215	N22	W06	05	7.6		A	HSX	110	8	5	3
9448		VORO	05	08	0324	N21	W07	05	7.6			HAX	244	8		2
9448		SVTO	05	08	0850	N22	W08	05	7.7		B	CAO	120	6	5	2
9448		KAND	05	08	0955	N23	W10	05	7.6			CSO		3	5	2
9448		RAMY	05	08	1204	N22	W10	05	7.7		B	CSO	120	8	5	4
9448		HOLL	05	08	1421	N21	W12	05	7.7		B	CSO	110	8	6	4
9448	30443	MWIL	05	08	1430	N22	W12	05	7.7	5	(BG)					

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9448		LEAR	05	09	0525	N21	W21	05	7.6		B	CSO	120	5	4	2
9448		SVTO	05	09	0534	N21	W18	05	7.8		B	CSO	110	2	8	3
9448		TACH	05	09	0641	N22	W21	05	7.7			HSX	200	1	2	3
9448		KAND	05	09	1335	N21	W24	05	7.7			HS		1	2	3
9448	30443	MWIL	05	09	1415	N22	W24	05	7.7	5	(BP)					
9448		HOLL	05	09	1751	N21	W29	05	7.5		A	HSX	100	3	2	3
9448		LEAR	05	10	0332	N21	W33	05	7.6		A	HSX	100	4	3	4
9448		SVTO	05	10	0537	N21	W34	05	7.6		A	HSX	120	2	3	2
9448		KAND	05	10	0605	N21	W33	05	7.7			HS		2	3	3
9448		TACH	05	10	0725	N22	W36	05	7.5			HSX	180	1	2	3
9448		RAMY	05	10	1245	N22	W38	05	7.6		A	HSX	80	1	2	1
9448		HOLL	05	10	1350	N20	W39	05	7.6		A	HAX	110	1	2	4
9448	30443	MWIL	05	10	1430	N22	W39	05	7.6	5	(AP)					
9448		VORO	05	10	2117	N21	W42	05	7.7			HAX	181	1		2
9448		LEAR	05	11	0230	N21	W46	05	7.6		A	HSX	90	1	2	3
9448		SVTO	05	11	0520	N21	W47	05	7.6		A	HSX	130	1	3	3
9448		KAND	05	11	0645	N22	W47	05	7.7			HS		1	2	3
9448		TACH	05	11	0651	N22	W46	05	7.8			HSX	110	1	2	3
9448		RAMY	05	11	1203	N23	W51	05	7.6		A	HSX	100	1	2	2
9448	30443	MWIL	05	11	1430	N22	W51	05	7.7	5	(AP)					
9448		HOLL	05	11	1445	N21	W53	05	7.5		A	HAX	140	2	2	4
9448		VORO	05	11	2115	N21	W55	05	7.7			HAX	170	1		2
9448		LEAR	05	12	0220	N22	W59	05	7.6		A	HAX	100	1	2	2
9448		KAND	05	12	0550	N21	W59	05	7.7			HS		2	2	3
9448		SVTO	05	12	0840	N21	W62	05	7.6		A	HAX	90	1	2	3
9448		RAMY	05	12	1340	N23	W64	05	7.6		A	HSX	100	1	2	3
9448		HOLL	05	12	1503	N23	W66	05	7.5		A	HSX	110	1	2	1
9448		VORO	05	12	2107	N21	W68	05	7.7			HAX	149	1		2
9448	30443	MWIL	05	12	2200	N22	W68	05	7.7	3	(AP)					
9448		LEAR	05	13	0145	N21	W72	05	7.5		A	HSX	60	1	2	3
9448		SVTO	05	13	0515	N23	W73	05	7.6		A	HSX	120	1	4	3
9448		TACH	05	13	0519	N22	W74	05	7.5			HSX	70	1	1	2
9448		KAND	05	13	0935	N22	W77	05	7.5			HS		1	2	3
9448		RAMY	05	13	1115	N23	W79	05	7.4		A	HSX	90	1	2	3
9448	30443	MWIL	05	13	1345	N21	W78	05	7.6	4	(AP)					
9453		LEAR	05	09	0525	S08	W18	05	7.9		B	BXO	10	4	3	2
9453		SVTO	05	09	0534	S09	W18	05	7.9		A	AXX	10	3	4	3
9453		TACH	05	09	0641	S06	W19	05	7.8			BR	8	3	2	3
9453		KAND	05	09	1335	S07	W21	05	8.0			CAO		3	4	3
9453	30448	MWIL	05	09	1415	S07	W23	05	7.9	5	(B)					
9453		HOLL	05	09	1751	S08	W25	05	7.9		B	CSO	30	6	4	3
9453		LEAR	05	10	0332	S08	W29	05	8.0		A	HRX		1		4
9453		SVTO	05	10	0537	S07	W32	05	7.8		B	CRO	30	4	6	2
9453		KAND	05	10	0605	S07	W29	05	8.1			AX		1	1	3
9453		TACH	05	10	0725	S07	W31	05	8.0			AXX	3	1	1	3
9453	30448	MWIL	05	10	1430	S07	W35	05	8.0	3	(AF)					
9449		LEAR	05	02	0007	S14	E81	05	8.1		A	HSX	110	1	2	3
9449		VORO	05	02	0115	S16	E81	05	8.2			HAX	66	1		2
9449		TACH	05	02	0415	S16	E83	05	8.5			HSX	10	1	1	3
9449		SVTO	05	02	0504	S13	E80	05	8.2		A	HSX	120	1	3	2
9449		KAND	05	02	0740	S16	E82	05	8.5			HS		1	2	2
9449		RAMY	05	02	1220	S16	E75	05	8.2		A	HSX	90	1	1	4
9449		HOLL	05	02	1408	S16	E76	05	8.3		A	HSX	120	2	2	3
9449	30444	MWIL	05	02	1430	S16	E76	05	8.4	5	(AP)					
9449		LEAR	05	03	0010	S15	E70	05	8.3		A	HSX	50	1	2	4
9449		VORO	05	03	0020	S16	E71	05	8.4			HAX	160	1		2
9449		KAND	05	03	0700	S15	E68	05	8.4			HS		1	2	3
9449		SVTO	05	03	0825	S14	E64	05	8.2		A	HRX	50	1	2	2
9449		TACH	05	03	0959	S15	E64	05	8.3			HSX	100	1	1	3
9449	30444	MWIL	05	03	1430	S16	E62	05	8.3	4	(AP)					
9449		HOLL	05	03	1430	S18	E63	05	8.4		A	HAX	120	1	2	2
9449		RAMY	05	03	1550	S18	E62	05	8.4		A	HSX	80	1	2	1
9449		LEAR	05	04	0015	S17	E57	05	8.3		A	HSX	70	1	1	4
9449		SVTO	05	04	0529	S16	E54	05	8.3		A	HSX	100	1	2	3
9449		KAND	05	04	0705	S16	E54	05	8.4			HS		1	2	3
9449		RAMY	05	04	1218	S17	E49	05	8.2		A	HSX	90	1	2	2
9449	30444	MWIL	05	04	1430	S16	E49	05	8.3	5	(AP)					

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NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Mo	Day	Time (UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9449		HOLL	05	04	1700	S18	E47	05	8.3		A	HAX	80	1	2	2
9449		LEAR	05	05	0120	S17	E43	05	8.3		A	HSX	110	2	2	1
9449		TACH	05	05	0540	S15	E40	05	8.3			HSX	100	1	1	4
9449		KAND	05	05	0820	S16	E39	05	8.3			HA		3	2	3
9449		SVTO	05	05	1025	S16	E38	05	8.3		A	HAX	90	2	2	2
9449		RAMY	05	05	1218	S17	E38	05	8.4		A	HSX	70	1	2	2
9449	30444	MWIL	05	05	1430	S16	E36	05	8.3	5	(AP)					
9449		HOLL	05	05	1440	S17	E36	05	8.3		A	HAX	100	2	2	3
9449		VORO	05	06	0121	S17	E30	05	8.3			HAX	94	1		2
9449		TACH	05	06	0639	S17	E27	05	8.3			HSX	150	2	2	4
9449	30444	MWIL	05	06	1430	S16	E23	05	8.3	5	(AP)					
9449		HOLL	05	06	1440	S17	E22	05	8.3		A	HAX	80	2	2	3
9449		VORO	05	07	0011	S17	E17	05	8.3			HAX	148	2		2
9449		LEAR	05	07	0101	S17	E17	05	8.3		A	HAX	90	2	2	4
9449		SVTO	05	07	0548	S17	E14	05	8.3		A	HAX	100	2	3	3
9449		KAND	05	07	0900	S16	E13	05	8.4			HA		3	2	3
9449		RAMY	05	07	1320	S16	E10	05	8.3		A	HAX	90	2	2	4
9449		HOLL	05	07	1450	S17	E09	05	8.3		B	CAO	80	3	7	3
9449	30444	MWIL	05	07	1545	S17	E11	05	8.5	5	(BP)					
9449		LEAR	05	08	0215	S16	E04	05	8.4		A	HAX	80	2	3	3
9449		VORO	05	08	0324	S17	E03	05	8.4			HAX	109	2		2
9449		SVTO	05	08	0850	S16	E01	05	8.4		A	HRX	80	2	3	2
9449		KAND	05	08	0955	S15	E01	05	8.5			HA		2	2	2
9449		RAMY	05	08	1204	S15	W02	05	8.3		B	DSO	70	3	3	4
9449		HOLL	05	08	1421	S17	W01	05	8.5		B	CSO	60	7	6	4
9449	30444	MWIL	05	08	1430	S17	W02	05	8.4	5	(BP)					
9449		LEAR	05	09	0525	S15	W11	05	8.4		B	CSO	60	7	2	2
9449		SVTO	05	09	0534	S16	W12	05	8.3		B	DAO	60	4	3	3
9449		TACH	05	09	0641	S15	W13	05	8.3			HSX	63	2	2	3
9449		KAND	05	09	1335	S15	W15	05	8.4			HS		3	2	3
9449	30444	MWIL	05	09	1415	S15	W17	05	8.3	5	(BP)					
9449		HOLL	05	09	1751	S16	W18	05	8.4		A	HAX	50	5	2	3
9449		LEAR	05	10	0332	S17	W23	05	8.4		B	DSO	60	4	4	4
9449		SVTO	05	10	0537	S15	W25	05	8.3		B	DAO	70	4	4	2
9449		KAND	05	10	0605	S15	W24	05	8.4			HS		7	2	3
9449		TACH	05	10	0725	S15	W26	05	8.3			HSX	53	4	2	3
9449		RAMY	05	10	1245	S16	W28	05	8.4		B	CSO	30	3	3	1
9449		HOLL	05	10	1350	S17	W28	05	8.4		B	CSI	60	8	3	4
9449	30444	MWIL	05	10	1430	S15	W30	05	8.3	4	(AP)					
9449		VORO	05	10	2117	S16	W34	05	8.3			HAX	54	1		2
9449		LEAR	05	11	0230	S17	W37	05	8.3		B	CSO	20	2	1	3
9449		SVTO	05	11	0520	S16	W37	05	8.4		B	CSO	20	3	3	3
9449		KAND	05	11	0645	S16	W38	05	8.4			HS		2	1	3
9449		TACH	05	11	0651	S15	W38	05	8.4			AXX	10	1	1	3
9449		RAMY	05	11	1203	S15	W43	05	8.2		A	HSX	10	1	1	2
9449	30444	MWIL	05	11	1430	S15	W43	05	8.3	4	(AP)					
9449		HOLL	05	11	1445	S16	W43	05	8.3		B	CAO	30	2	2	4
9449		VORO	05	11	2115	S16	W47	05	8.3			AXX	6	1		2
9449		LEAR	05	12	0220	S15	W49	05	8.4		A	AXX	10	2	2	2
9449		KAND	05	12	0550	S15	W50	05	8.4			BXO		3	3	4
9449		SVTO	05	12	0840	S16	W53	05	8.3		A	AXX	10	2	1	3
9449		RAMY	05	12	1340	S15	W56	05	8.3		A	AXX	10	1	1	3
9449		HOLL	05	12	1503	S17	W57	05	8.3		A	AXX	10	1	1	1
9449A		HOLL	05	08	1421	N48	E18	05	10.1		A	AXX	10	1	1	4
9451		RAMY	05	04	1218	S22	E80	05	10.7		A	HSX	60	1	3	2
9451	30446	MWIL	05	04	1430	S21	E83	05	11.0	5	AP					
9451		HOLL	05	04	1700	S22	E80	05	10.8		A	HAX	110	1	2	2
9451		LEAR	05	05	0120	S22	E76	05	10.9		A	HAX	120	1	2	1
9451		TACH	05	05	0540	S21	E77	05	11.1			HSX	90	1	1	4
9451		KAND	05	05	0820	S20	E74	05	11.0			HS		2	2	3
9451		SVTO	05	05	1025	S22	E71	05	10.9		A	HSX	120	1	2	2
9451		RAMY	05	05	1218	S23	E73	05	11.1		A	HSX	220	1	4	2
9451	30446	MWIL	05	05	1430	S22	E70	05	11.0	5	(AP)					
9451		HOLL	05	05	1440	S22	E71	05	11.1		A	HAX	170	1	2	3
9451		VORO	05	06	0121	S21	E64	05	11.0			HAX	171	1		2
9451		TACH	05	06	0639	S22	E64	05	11.2			HSX	100	1	2	4
9451	30446	MWIL	05	06	1430	S21	E56	05	10.9	5	(AP)					

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NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Mo	Day	Time (UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9451		HOLL	05	06	1440	S20	E57	05	11.0		A	HAX	70	1	2	3
9451		VORO	05	07	0011	S21	E52	05	11.0			HAX	192	1		2
9451		LEAR	05	07	0101	S22	E50	05	10.9		A	HSX	110	1	2	4
9451		SVTO	05	07	0548	S21	E49	05	11.0		B	CSO	160	2	4	3
9451		KAND	05	07	0900	S20	E46	05	10.9			HS		2	2	3
9451		RAMY	05	07	1320	S21	E43	05	10.8		B	CSO	110	2	2	4
9451		HOLL	05	07	1450	S21	E42	05	10.8		A	HAX	120	3	2	3
9451	30446	MWIL	05	07	1545	S22	E43	05	11.0	5	(AP)					
9451		LEAR	05	08	0215	S22	E37	05	10.9		A	HAX	110	3	3	3
9451		VORO	05	08	0324	S21	E36	05	10.9			HAX	187	3		2
9451		SVTO	05	08	0850	S21	E35	05	11.0		B	CAO	130	3	5	2
9451		KAND	05	08	0955	S20	E33	05	10.9			CSO		2	3	2
9451		RAMY	05	08	1204	S20	E32	05	10.9		A	HSX	120	2	3	4
9451		HOLL	05	08	1421	S21	E31	05	11.0		A	HAX	110	5	3	4
9451	30446	MWIL	05	08	1430	S21	E30	05	10.9	5	(BP)					
9451		LEAR	05	09	0525	S21	E23	05	11.0		B	CSO	150	5	5	2
9451		SVTO	05	09	0534	S21	E23	05	11.0		B	CAO	150	3	6	3
9451		TACH	05	09	0641	S21	E21	05	10.9			HSX	150	1	2	3
9451		KAND	05	09	1335	S20	E20	05	11.1			CAO		5	4	3
9451	30446	MWIL	05	09	1415	S21	E17	05	10.9	5	(BP)					
9451		HOLL	05	09	1751	S20	E17	05	11.0		B	CAO	110	10	7	3
9451		LEAR	05	10	0332	S21	E10	05	10.9		B	CAO	110	5	4	4
9451		SVTO	05	10	0537	S21	E09	05	10.9		B	CAO	100	4	4	2
9451		KAND	05	10	0605	S20	E10	05	11.0			CAO		5	3	3
9451		TACH	05	10	0725	S21	E07	05	10.8			HSX	220	1	2	3
9451		RAMY	05	10	1245	S21	E04	05	10.8		A	HSX	160	2	2	1
9451		HOLL	05	10	1350	S21	E06	05	11.0		B	CKO	150	8	4	4
9451	30446	MWIL	05	10	1430	S21	E04	05	10.9	5	(BP)					
9451		VORO	05	10	2117	S21	E00	05	10.9			HAX	196	5		2
9451		LEAR	05	11	0230	S22	E01	05	11.2		B	CSO	100	7	3	3
9451		SVTO	05	11	0520	S21	W03	05	11.0		B	DSO	150	5	5	3
9451		KAND	05	11	0645	S20	W03	05	11.0			CSO		6	4	3
9451		TACH	05	11	0651	S21	W03	05	11.0			HAI	302	3	3	3
9451		RAMY	05	11	1203	S21	W07	05	11.0		B	CSO	100	3	4	2
9451	30446	MWIL	05	11	1430	S21	W09	05	10.9	5	(BP)					
9451		HOLL	05	11	1445	S22	W08	05	11.0		B	CKO	140	10	5	4
9451		VORO	05	11	2115	S21	W13	05	10.9			HAX	224	9		2
9451		LEAR	05	12	0220	S21	W15	05	10.9		B	CSO	110	5	4	2
9451		KAND	05	12	0550	S20	W17	05	10.9			CAO		6	4	4
9451		SVTO	05	12	0840	S21	W18	05	11.0		B	CSO	130	4	4	3
9451		RAMY	05	12	1340	S21	W22	05	10.9		B	CSO	140	3	3	3
9451		HOLL	05	12	1503	S22	W22	05	10.9		B	CSO	170	4	4	1
9451		VORO	05	12	2107	S21	W26	05	10.9			HAX	182	1		2
9451	30446	MWIL	05	12	2200	S21	W28	05	10.8	5	(AP)					
9451		LEAR	05	13	0145	S21	W29	05	10.8		A	HSX	120	2	2	3
9451		SVTO	05	13	0515	S22	W29	05	11.0		B	DSO	150	8	5	3
9451		TACH	05	13	0519	S21	W28	05	11.1			CAO	102	3	3	2
9451		KAND	05	13	0935	S20	W31	05	11.0			CSO		5	5	3
9451		RAMY	05	13	1115	S22	W32	05	11.0		B	DSO	90	4	6	3
9451	30446	MWIL	05	13	1345	S21	W34	05	11.0	5	(BP)					
9451		VORO	05	13	2144	S22	W38	05	11.0			DAO	245	3	4	3
9451		LEAR	05	14	0015	S22	W38	05	11.1		B	DSO	130	6	5	2
9451		SVTO	05	14	0515	S22	W43	05	10.9		B	CSO	160	5	7	3
9451		TACH	05	14	0541	S22	W42	05	11.0			DAO	199	5	4	3
9451		KAND	05	14	0820	S22	W43	05	11.0			CSO		5	6	3
9451		RAMY	05	14	1210	S21	W46	05	11.0		B	DSO	100	5	7	5
9451	30446	MWIL	05	14	1400	S21	W48	05	10.9	5	(BP)					
9451		HOLL	05	14	1711	S22	W48	05	11.0		B	CAO	110	4	7	2
9451		VORO	05	14	2114	S21	W53	05	10.8			HAX	281	1		2
9451		LEAR	05	15	0138	S21	W56	05	10.8		A	HSX	100	1	2	3
9451		TACH	05	15	0532	S20	W58	05	10.8			HSX	110	1	1	3
9451		SVTO	05	15	0638	S21	W57	05	10.9		A	HSX	140	1	3	2
9451		KAND	05	15	0740	S22	W58	05	10.9			HS		1	2	4
9451		RAMY	05	15	1235	S19	W60	05	10.9		A	HSX	80	1	2	1
9451	30446	MWIL	05	15	1400	S21	W62	05	10.8	5	(AP)					
9451		HOLL	05	15	1740	S21	W66	05	10.7		A	HAX	130	1	3	3
9451		LEAR	05	16	0005	S22	W67	05	10.8		A	HAX	100	1	1	3
9451		VORO	05	16	0030	S21	W68	05	10.8			HAX	84	1		2
9451		SVTO	05	16	0800	S22	W73	05	10.7		A	HSX	100	1	3	2

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9451		TACH	05	16	0839	S19	W74	05	10.7			HSX	140	1	2	3
9451		KAND	05	16	0925	S21	W73	05	10.8			HS		2	5	2
9451	30446	MWIL	05	16	1415	S21	W75	05	10.8	5	(AP)					
9451		HOLL	05	16	1510	S18	W78	05	10.7		A	HAX	120	1	3	3
9451		RAMY	05	16	1930	S18	W82	05	10.6		A	HSX	60	1	2	1
9451		VORO	05	16	2324	S21	W83	05	10.6			HAX	327	1		2
9451		LEAR	05	17	0015	S20	W80	05	10.9		A	HAX	60	1	1	4
9451		TACH	05	17	0507	S19	W82	05	10.9			HSX	60	1	3	4
9451A		LEAR	05	07	0101	N17	E56	05	11.3		A	AXX	10	2	2	4
9458		KAND	05	14	0820	S12	W37	05	11.5			BXO		2	1	3
9458		RAMY	05	14	1210	S11	W39	05	11.6		B	CSO	10	3	1	5
9458	30453	MWIL	05	14	1400	S12	W40	05	11.6	4	(B)					
9458		HOLL	05	14	1711	S12	W42	05	11.5		B	CSO	50	4	3	2
9458		VORO	05	14	2114	S12	W44	05	11.6			HRX	69	3		2
9458		LEAR	05	15	0138	S12	W48	05	11.4		B	CAO	40	8	3	3
9458		TACH	05	15	0532	S11	W50	05	11.5			CAO	69	5	3	3
9458		SVTO	05	15	0638	S12	W49	05	11.6		B	CSO	60	5	4	2
9458		KAND	05	15	0740	S13	W50	05	11.5			DAO		6	5	4
9458		RAMY	05	15	1235	S10	W52	05	11.6		B	DSO	70	5	5	1
9458	30453	MWIL	05	15	1400	S12	W54	05	11.5	4	(B)					
9458		HOLL	05	15	1740	S13	W58	05	11.3		B	BXO	20	6	5	3
9458		LEAR	05	16	0005	S12	W59	05	11.5		B	DSO	30	5	5	3
9458		VORO	05	16	0030	S10	W63	05	11.3			HRX	68	2		2
9458		SVTO	05	16	0800	S13	W63	05	11.6		B	DAO	40	5	8	2
9458		TACH	05	16	0839	S10	W61	05	11.8			AXX	10	1	1	3
9458		KAND	05	16	0925	S12	W64	05	11.6			CSO		5	8	2
9458	30453	MWIL	05	16	1415	S12	W67	05	11.5	4	(BF)					
9458		HOLL	05	16	1510	S11	W69	05	11.4		B	BXO	20	6	6	3
9458		RAMY	05	16	1930	S09	W69	05	11.6		B	DSO	40	2	3	1
9458		VORO	05	16	2324	S12	W71	05	11.6			HAX	69	1		2
9458		LEAR	05	17	0015	S12	W71	05	11.7		B	DAO	40	4	6	4
9458		TACH	05	17	0507	S10	W75	05	11.6			HSX	40	1	1	4
9458		SVTO	05	17	0947	S11	W77	05	11.6		A	HSX	60	1	3	2
9458		KAND	05	17	1045	S11	W76	05	11.7			HA		1	2	
9458		HOLL	05	17	1345	S10	W79	05	11.6		A	HSX	60	1	2	3
9458	30453	MWIL	05	17	1400	S12	W79	05	11.6	4	(BF)					
9456		RAMY	05	11	1203	N06	E14	05	12.5		B	DSO	20	2	4	2
9456	30451	MWIL	05	11	1430	N06	E14	05	12.6	4	(B)					
9456		HOLL	05	11	1445	N06	E13	05	12.6		B	CAO	30	5	5	4
9456		VORO	05	11	2115	N06	E10	05	12.6			CAI	51	9	5	2
9456		LEAR	05	12	0220	N07	E08	05	12.7		B	DAO	40	9	6	2
9456		KAND	05	12	0550	N06	E06	05	12.7			CAO		16	6	4
9456		SVTO	05	12	0840	N06	E04	05	12.7		B	DAO	70	11	6	3
9456		RAMY	05	12	1340	N06	E01	05	12.6		B	DSO	60	8	6	3
9456		HOLL	05	12	1503	N06	E00	05	12.6		B	DAO	110	15	7	1
9456		VORO	05	12	2107	N06	W04	05	12.6			DAI	181	5	6	2
9456	30451	MWIL	05	12	2200	N06	W04	05	12.6	4	(BF)					
9456		LEAR	05	13	0145	N07	W07	05	12.5		B	DAO	90	12	7	3
9456		SVTO	05	13	0515	N07	W08	05	12.6		B	DAO	60	17	7	3
9456		TACH	05	13	0519	N06	W08	05	12.6			CAI	152	6	6	2
9456		KAND	05	13	0935	N06	W10	05	12.6			DAO		9	8	3
9456		RAMY	05	13	1115	N04	W12	05	12.6		B	DAO	40	4	7	3
9456	30451	MWIL	05	13	1345	N06	W12	05	12.7	5	(BF)					
9456		VORO	05	13	2144	N06	W18	05	12.5			CAI	122	5	6	3
9456		LEAR	05	14	0015	N06	W19	05	12.6		B	DAO	60	10	6	2
9456		SVTO	05	14	0515	N05	W22	05	12.6		B	CAO	70	10	8	3
9456		TACH	05	14	0541	N06	W24	05	12.4			CSI	93	7	7	3
9456		KAND	05	14	0820	N06	W21	05	12.8			CSI		12	7	3
9456		RAMY	05	14	1210	N06	W26	05	12.6		B	DSO	50	6	6	5
9456	30451	MWIL	05	14	1400	N06	W26	05	12.6	4	(BF)					
9456		HOLL	05	14	1711	N07	W28	05	12.6		B	CSO	60	3	6	2
9456		VORO	05	14	2114	N06	W30	05	12.6			CRO	109	3	4	2
9456		LEAR	05	15	0138	N07	W34	05	12.5		B	DSO	50	11	6	3
9456		TACH	05	15	0532	N07	W35	05	12.6			CSI	58	4	6	3
9456		SVTO	05	15	0638	N07	W35	05	12.6		B	CSO	40	5	6	2
9456		KAND	05	15	0740	N06	W35	05	12.7			CSO		5	7	4

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NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Mo	Day	Time (UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9456		RAMY	05	15	1235	N09	W39	05	12.6		B	DSO	50	10	6	1
9456	30451	MWIL	05	15	1400	N06	W39	05	12.7	4	(B)					
9456		HOLL	05	15	1740	N05	W42	05	12.6		B	DAO	50	8	8	3
9456		LEAR	05	16	0005	N06	W46	05	12.6		B	DAO	60	5	7	3
9456		VORO	05	16	0030	N07	W47	05	12.5			CAO	124	2	7	2
9456		SVTO	05	16	0800	N06	W51	05	12.5		B	DAO	80	6	7	2
9456		TACH	05	16	0839	N08	W51	05	12.5			DSO	160	2	7	3
9456		KAND	05	16	0925	N06	W51	05	12.6			DSO		4	9	2
9456	30451	MWIL	05	16	1415	N06	W53	05	12.6	5	(B)					
9456		HOLL	05	16	1510	N06	W57	05	12.4		B	DAO	120	3	9	3
9456		RAMY	05	16	1930	N09	W57	05	12.5		B	DSO	100	2	8	1
9456		VORO	05	16	2324	N05	W60	05	12.5			DAO	140	2	9	2
9456		LEAR	05	17	0015	N07	W60	05	12.5		B	DAO	50	8	9	4
9456		TACH	05	17	0507	N08	W63	05	12.5			DSO	66	3	8	4
9456		SVTO	05	17	0947	N07	W66	05	12.5		B	DAO	50	3	9	2
9456		KAND	05	17	1045	N07	W68	05	12.3			ESO		3	11	4
9456		HOLL	05	17	1345	N08	W69	05	12.4		B	DAO	120	3	10	3
9456	30451	MWIL	05	17	1400	N06	W67	05	12.6	4	(B)					
9456		KAND	05	18	0640	N06	W75	05	12.7			BXO		7	7	3
9452		LEAR	05	07	0101	S09	E78	05	12.9		A	AXX	10	1		4
9452		SVTO	05	07	0548	S08	E78	05	13.1		A	HSX	30	1	1	3
9452		KAND	05	07	0900	S09	E74	05	12.9			AX		1	1	3
9452		RAMY	05	07	1320	S09	E72	05	12.9		A	HSX	20	1	1	4
9452		HOLL	05	07	1450	S09	E72	05	13.0		A	AXX	30	1	1	3
9452	30447	MWIL	05	07	1545	S10	E73	05	13.1	6	(AP)					
9452		LEAR	05	08	0215	S10	E65	05	13.0		A	AXX	10	1	1	3
9452		VORO	05	08	0324	S09	E65	05	13.0			HAX	37	1		2
9452		SVTO	05	08	0850	S08	E62	05	13.0		A	AXX	20	1	1	2
9452		KAND	05	08	0955	S08	E62	05	13.1			AX		1	1	2
9452		RAMY	05	08	1204	S09	E60	05	13.0		A	HSX	20	1	1	4
9452		HOLL	05	08	1421	S09	E59	05	13.0		A	AXX	20	1	1	4
9452	30447	MWIL	05	08	1430	S09	E59	05	13.0	4	(AP)					
9452		LEAR	05	09	0525	S09	E51	05	13.0		A	AXX	10	2	1	2
9452		SVTO	05	09	0534	S09	E51	05	13.0		A	HSX	30	1	1	3
9452		TACH	05	09	0641	S09	E51	05	13.1			AXX	5	1	1	3
9452		KAND	05	09	1335	S08	E47	05	13.1			HS		1	1	3
9452	30447	MWIL	05	09	1415	S10	E46	05	13.0	4	(AP)					
9452		HOLL	05	09	1751	S08	E43	05	13.0		A	AXX	10	1	1	3
9452		LEAR	05	10	0332	S09	E38	05	13.0		A	HRX		1		4
9452		SVTO	05	10	0537	S09	E37	05	13.0		A	HRX	10	1	1	2
9452		KAND	05	10	0605	S09	E38	05	13.1			AX		1	1	3
9452		TACH	05	10	0725	S10	E36	05	13.0			AXX	5	1	1	3
9452		RAMY	05	10	1245	S10	E33	05	13.0		A	AXX	10	1		1
9452		HOLL	05	10	1350	S09	E33	05	13.0		B	CAO	30	4	5	4
9452	30447	MWIL	05	10	1430	S10	E32	05	13.0	4	(AP)					
9452		VORO	05	10	2117	S10	E29	05	13.1			AXX	14	1		2
9452		LEAR	05	11	0230	S09	E26	05	13.0		A	AXX		1		3
9452		SVTO	05	11	0520	S09	E24	05	13.0		A	AXX	10	1		3
9452		KAND	05	11	0645	S09	E24	05	13.1			AX		1		3
9452		TACH	05	11	0651	S10	E24	05	13.1			AXX	2	1	1	3
9452		RAMY	05	11	1203	S10	E20	05	13.0		A	AXX	10	1		2
9452	30447	MWIL	05	11	1430	S10	E19	05	13.0	4	(AP)					
9452		HOLL	05	11	1445	S09	E19	05	13.0		A	AXX	10	1	1	4
9452		LEAR	05	12	0220	S09	E12	05	13.0		A	AXX	10	1	1	2
9452		KAND	05	12	0550	S09	E11	05	13.1			AX		1		4
9452		SVTO	05	12	0840	S10	E11	05	13.2		B	BXO		2	6	3
9452		LEAR	05	15	0138	S13	W25	05	13.2		B	BXO	50	3	4	3
9452		SVTO	05	15	0638	S12	W27	05	13.2		B	BXO	10	2	4	2
9455		RAMY	05	10	1245	S17	E36	05	13.3		B	BXO	20	2	3	1
9455		HOLL	05	10	1350	S17	E36	05	13.3		B	CAO	20	3	3	4
9455	30449	MWIL	05	10	1430	S17	E35	05	13.3	4	(B)					
9455		VORO	05	10	2117	S18	E31	05	13.2			HRX	59	2	1	2
9455		LEAR	05	11	0230	S17	E28	05	13.2		B	DAO	30	12	3	3
9455		SVTO	05	11	0520	S17	E27	05	13.3		B	DAO	110	9	5	3
9455		KAND	05	11	0645	S17	E28	05	13.4			DSO		6	5	3
9455		TACH	05	11	0651	S18	E27	05	13.3			HAX	260	4	3	3
9455		RAMY	05	11	1203	S18	E20	05	13.0		B	DSO	120	5	9	2

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9455	30449	MWIL	05	11	1430	S18	E22	05	13.3	5	(D)					
9455		HOLL	05	11	1445	S18	E22	05	13.3		B	DSI	140	18	6	4
9455		VORO	05	11	2115	S18	E17	05	13.2			DAI	227	12	8	2
9455		LEAR	05	12	0220	S16	E15	05	13.2		BG	DAO	120	25	9	2
9455		KAND	05	12	0550	S17	E14	05	13.3			DAI		27	10	4
9455		SVTO	05	12	0840	S17	E11	05	13.2		B	DAO	200	23	10	3
9455		RAMY	05	12	1340	S18	E08	05	13.2		B	DAO	220	18	10	3
9455		HOLL	05	12	1503	S17	E07	05	13.1		B	EAO	250	26	11	1
9455		VORO	05	12	2107	S18	E04	05	13.2			DAI	440	14	10	2
9455	30449	MWIL	05	12	2200	S18	E04	05	13.2	5	(BG)					
9455		LEAR	05	13	0145	S18	E01	05	13.1		BG	EAI	180	25	12	3
9455		SVTO	05	13	0515	S18	W01	05	13.1		BG	EAI	240	24	12	3
9455		TACH	05	13	0519	S17	W03	05	13.0			DAI	285	9	9	2
9455		KAND	05	13	0935	S17	W01	05	13.3			EAI		12	11	3
9455		RAMY	05	13	1115	S18	W04	05	13.2		B	ESI	70	18	12	3
9455	30449	MWIL	05	13	1345	S17	W05	05	13.2	5	(BG)					
9455		VORO	05	13	2144	S18	W10	05	13.1			DRI	308	8	11	3
9455		LEAR	05	14	0015	S18	W12	05	13.1		BG	EAO	160	21	11	2
9455		SVTO	05	14	0515	S16	W14	05	13.1		BG	FAI	190	30	16	3
9455		TACH	05	14	0541	S17	W16	05	13.0			DAI	300	14	12	3
9455		KAND	05	14	0820	S18	W15	05	13.2			EAI		40	15	3
9455		RAMY	05	14	1210	S17	W18	05	13.1		BG	EAI	150	30	15	5
9455	30449	MWIL	05	14	1400	S17	W18	05	13.2	5	(BG)					
9455		HOLL	05	14	1711	S15	W21	05	13.1		BG	FAI	240	34	18	2
9455		VORO	05	14	2114	S19	W24	05	13.0			EAI	490	11	14	2
9455		LEAR	05	15	0138	S17	W27	05	13.0		BG	FAI	200	30	16	3
9455		TACH	05	15	0532	S17	W30	05	12.9			DSI	380	9	12	3
9455		SVTO	05	15	0638	S18	W28	05	13.1		BG	FAI	200	13	16	2
9455		KAND	05	15	0740	S19	W29	05	13.1			FSI		22	16	4
9455		RAMY	05	15	1235	S16	W32	05	13.1		BG	EAO	140	15	15	1
9455	30449	MWIL	05	15	1400	S17	W33	05	13.1	5	(BG)					
9455		HOLL	05	15	1740	S18	W35	05	13.1		BG	FAI	170	22	17	3
9455		LEAR	05	16	0005	S18	W38	05	13.1		BG	FAI	130	20	17	3
9455		VORO	05	16	0030	S19	W39	05	13.0			EAI	438	12	15	2
9455		SVTO	05	16	0800	S18	W44	05	13.0		B	FAI	160	25	17	2
9455		TACH	05	16	0839	S17	W44	05	13.0			DAI	438	8	16	3
9455		KAND	05	16	0925	S18	W44	05	13.0			FAO		16	16	2
9455	30449	MWIL	05	16	1415	S17	W47	05	13.0	4	(BG)					
9455		HOLL	05	16	1510	S16	W48	05	13.0		BG	FAI	130	38	16	3
9455		RAMY	05	16	1930	S16	W50	05	13.0		B	FSO	180	13	16	1
9455		VORO	05	16	2324	S19	W52	05	13.0			EAI	701	10	16	2
9455		LEAR	05	17	0015	S16	W52	05	13.1		BG	FAI	180	37	16	4
9455		TACH	05	17	0507	S16	W56	05	13.0			DAI	277	17	25	4
9455		SVTO	05	17	0947	S18	W56	05	13.1		B	FAO	240	14	18	2
9455		KAND	05	17	1045	S17	W59	05	13.0			FAI		16	18	4
9455		HOLL	05	17	1345	S15	W66	05	12.6		BG	FAI	280	18	18	3
9455	30449	MWIL	05	17	1400	S17	W60	05	13.0	5	(BG)					
9455		VORO	05	18	0304	S19	W71	05	12.7			DAI	704	9	7	2
9455		KAND	05	18	0640	S18	W70	05	12.9			FSI		21	20	3
9455		SVTO	05	18	0840	S17	W72	05	12.9		B	EAI	290	14	12	2
9455		RAMY	05	18	1340	S18	W74	05	12.9		B	ESO	140	6	12	2
9455		HOLL	05	18	1358	S17	W76	05	12.8		B	FAO	200	22	21	3
9455	30449	MWIL	05	18	1400	S17	W75	05	12.9	4	(B)					
9455		VORO	05	18	2247	S17	W77	05	13.1			HAX	343	5		2
9455		SVTO	05	19	0931	S17	W84	05	13.0		B	CSO	60	2	6	2
9455		KAND	05	19	1015	S18	W83	05	13.1			HA		1	2	2
9455	30449	MWIL	05	19	1415	S17	W87	05	13.0	4	AF					
9455A		LEAR	05	12	0145	S09	E15	05	13.2		B	BXO		2	1	3
9455A	30454	MWIL	05	14	1400	S11	W18	05	13.2	4	(B)					
9459		LEAR	05	14	0015	N26	E04	05	14.3		B	BXO	10	2	2	2
9459		SVTO	05	14	0515	N26	E01	05	14.3		B	CRO	20	2	3	3
9459		KAND	05	14	0820	N26	E00	05	14.3			BXO		3	1	3
9459	30455	MWIL	05	14	1400	N26	E03	05	14.8	4	(BF)					
9459		LEAR	05	15	0138	N26	W12	05	14.1		B	BXO	10	2	3	3
9459		KAND	05	15	0640	N27	W19	05	13.8			AX		1		3
9459		RAMY	05	18	1340	N27	W55	05	14.3		B	CSO	20	2	3	2
9459		HOLL	05	18	1358	N27	W55	05	14.3		B	BXO	10	2	3	3

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9459	30462	MWIL	05	18	1400	N27	W55	05	14.3	4	(BP)					
9457		SVTO	05	13	0515	S19	E13	05	14.2		A	AXX		2	1	3
9457		KAND	05	13	0935	S19	E11	05	14.2			AX		2	2	3
9457	30452	MWIL	05	13	1345	S18	E08	05	14.2	4	(AP)					
9457		KAND	05	14	0820	S20	E02	05	14.5			AX		1		3
9457		RAMY	05	14	1210	S21	W01	05	14.4		A	HSX	10	1	1	5
9457	30452	MWIL	05	14	1400	S21	W02	05	14.4	3	(AP)					
9457		HOLL	05	14	1711	S21	W05	05	14.3		A	AXX	10	1	1	2
9454		LEAR	05	10	0332	N13	E79	05	16.1		A	HSX	270	3	5	4
9454		SVTO	05	10	0537	N13	E78	05	16.1		B	DAO	120	2	4	2
9454		KAND	05	10	0605	N14	E80	05	16.3			HA		3	2	3
9454		TACH	05	10	0725	N12	E76	05	16.0			HSX	100	1	2	3
9454		RAMY	05	10	1245	N12	E73	05	16.0		A	HHX	300	1	3	1
9454		HOLL	05	10	1350	N15	E79	05	16.5		B	EAO	300	8	13	4
9454	30450	MWIL	05	10	1430	N13	E77	05	16.4	5	(B)					
9454		VORO	05	10	2117	N12	E74	05	16.5			DAI	634	3	9	2
9454		LEAR	05	11	0230	N14	E68	05	16.2		B	EKO	260	12	12	3
9454		SVTO	05	11	0520	N14	E68	05	16.4		B	EKO	520	8	11	3
9454		KAND	05	11	0645	N14	E69	05	16.5			EAO		6	12	3
9454		RAMY	05	11	1203	N12	E64	05	16.3		B	EAO	440	5	11	2
9454	30450	MWIL	05	11	1430	N13	E63	05	16.3	5	(B)					
9454		HOLL	05	11	1445	N13	E64	05	16.4		BG	EKI	480	20	11	4
9454		VORO	05	11	2115	N13	E60	05	16.4			DKI	710	12	9	2
9454		LEAR	05	12	0220	N14	E57	05	16.4		BG	EAI	290	19	14	2
9454		KAND	05	12	0550	N14	E55	05	16.4			ESO		19	11	4
9454		SVTO	05	12	0840	N13	E53	05	16.4		BG	EAO	490	16	12	3
9454		RAMY	05	12	1340	N12	E51	05	16.4		BG	EAO	370	11	11	3
9454		HOLL	05	12	1503	N12	E51	05	16.5		BG	EKI	500	23	11	1
9454		VORO	05	12	2107	N13	E47	05	16.4			DAI	573	7	10	2
9454	30450	MWIL	05	12	2200	N13	E46	05	16.4	5	(B)					
9454		LEAR	05	13	0145	N13	E44	05	16.4		B	EAO	380	29	12	3
9454		SVTO	05	13	0515	N13	E42	05	16.4		BG	EAI	400	25	13	3
9454		TACH	05	13	0519	N14	E41	05	16.3			DAI	524	8	10	2
9454		KAND	05	13	0935	N14	E40	05	16.4			EAO		9	12	3
9454		RAMY	05	13	1115	N12	E39	05	16.4		BG	EAO	400	10	12	3
9454	30450	MWIL	05	13	1345	N13	E37	05	16.4	5	(B)					
9454		VORO	05	13	2144	N13	E33	05	16.4			DAI	585	7	11	3
9454		LEAR	05	14	0015	N13	E31	05	16.3		BG	EAO	310	20	11	2
9454		SVTO	05	14	0515	N12	E27	05	16.2		BG	EKO	340	16	14	3
9454		TACH	05	14	0541	N13	E26	05	16.2			DAI	595	14	11	3
9454		KAND	05	14	0820	N13	E27	05	16.4			EAO		20	13	3
9454		RAMY	05	14	1210	N11	E25	05	16.4		BG	EAO	310	21	13	5
9454	30450	MWIL	05	14	1400	N12	E24	05	16.4	5	(B)					
9454		HOLL	05	14	1711	N12	E22	05	16.4		BG	EAI	330	29	14	2
9454		VORO	05	14	2114	N13	E21	05	16.5			DAI	538	8	10	2
9454		LEAR	05	15	0138	N12	E17	05	16.3		BG	EAO	250	29	14	3
9454		TACH	05	15	0532	N12	E14	05	16.3			DAI	506	9	10	3
9454		SVTO	05	15	0638	N12	E14	05	16.3		BG	EAO	320	16	14	2
9454		KAND	05	15	0740	N13	E14	05	16.4			EAO		11	13	4
9454		RAMY	05	15	1235	N13	E11	05	16.3		BG	EAI	230	18	13	1
9454	30450	MWIL	05	15	1400	N13	E11	05	16.4	5	(B)					
9454		HOLL	05	15	1740	N11	E07	05	16.3		BG	EKI	300	24	13	3
9454		LEAR	05	16	0005	N12	E04	05	16.3		BG	EAI	230	18	12	3
9454		VORO	05	16	0030	N13	E05	05	16.4			DAI	354	4	10	2
9454		SVTO	05	16	0800	N14	E01	05	16.4		BG	EAO	230	26	14	2
9454		TACH	05	16	0839	N13	W00	05	16.4			DAI	417	9	10	3
9454		KAND	05	16	0925	N13	E00	05	16.4			EAI		22	13	2
9454	30450	MWIL	05	16	1415	N12	W02	05	16.4	5	(B)					
9454		HOLL	05	16	1510	N14	W04	05	16.3		B	EAO	200	23	12	3
9454		RAMY	05	16	1930	N14	W06	05	16.3		BG	ESO	190	7	11	1
9454		VORO	05	16	2324	N13	W08	05	16.4			DAI	331	7	10	2
9454		LEAR	05	17	0015	N14	W09	05	16.3		BG	EAI	150	30	13	4
9454		TACH	05	17	0507	N13	W12	05	16.3			DAI	371	15	9	4
9454		SVTO	05	17	0947	N15	W14	05	16.3		B	EAO	180	17	12	2
9454		KAND	05	17	1045	N14	W15	05	16.3			EAO		17	12	4
9454		HOLL	05	17	1345	N13	W17	05	16.3		BG	EAI	100	25	11	3
9454	30450	MWIL	05	17	1400	N13	W16	05	16.4	5	(BG)					

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NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Mo	Day	Time (UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9454		VORO	05	18	0304	N13	W23	05	16.4			DRO	121	6	8	2
9454		KAND	05	18	0640	N14	W25	05	16.4			ESO		15	11	3
9454		SVTO	05	18	0840	N14	W26	05	16.4		B	EAO	100	13	12	2
9454		RAMY	05	18	1340	N14	W28	05	16.4		B	ESO	70	8	11	2
9454		HOLL	05	18	1358	N15	W28	05	16.5		B	ESO	50	9	11	3
9454	30450	MWIL	05	18	1400	N13	W30	05	16.3	4	(B)					
9454		VORO	05	18	2247	N13	W34	05	16.4			CRO	86	4	9	2
9454		SVTO	05	19	0931	N14	W39	05	16.4		B	ESO	40	6	13	2
9454		KAND	05	19	1015	N13	W46	05	15.9			AX		2	1	2
9454		RAMY	05	19	1220	N14	W42	05	16.3		B	DSO	10	4	10	2
9454	30450	MWIL	05	19	1415	N13	W44	05	16.3	4	(B)					
9454		HOLL	05	19	1720	N13	W45	05	16.3		B	CSO	70	6	11	3
9454		HOLL	05	20	1441	N15	W55	05	16.4		A	AXX	30	4	4	3
9454B		TACH	05	11	0651	S13	E73	05	16.8			DAI	105	3	13	3
9454A	30457	MWIL	05	15	1400	N15	E19	05	17.0	4	(AP)					
9454A	30457	MWIL	05	16	1415	N15	E06	05	17.0	4	(AP)					
9454A	30457	MWIL	05	17	1400	N17	W08	05	17.0	4	(AP)					
9454A		KAND	05	18	0640	N17	W17	05	17.0			BXO		5	4	3
9454A	30457	MWIL	05	18	1400	N16	W23	05	16.8	4	(AP)					
9454A		KAND	05	19	1015	N16	W35	05	16.8			AX		2	2	2
9454A	30457	MWIL	05	19	1415	N16	W38	05	16.7	4	(AP)					
9469		LEAR	05	22	0025	N08	W57	05	17.7		B	BXO	20	3	4	3
9469		TACH	05	22	0619	N08	W60	05	17.8			AR	31	2	2	4
9469		KAND	05	22	0950	N08	W63	05	17.7			BXO		4	4	3
9469	30473	MWIL	05	22	1400	N08	W66	05	17.6	4	(B)					
9469		SVTO	05	22	1445	N08	W65	05	17.7		B	DAO	40	3	6	2
9469		HOLL	05	22	1450	N09	W69	05	17.4		B	CSO	80	5	3	4
9469		LEAR	05	23	0622	N07	W76	05	17.6		B	CSO	30	3	5	1
9469		HOLL	05	23	1330	N07	W78	05	17.7		A	HAX	60	2	2	4
9469	30473	MWIL	05	23	1400	N07	W78	05	17.7	4	(AP)					
9460		SVTO	05	14	0515	S23	E69	05	19.5		A	AXX		1		3
9460		KAND	05	14	0820	S22	E70	05	19.7			AX		1		3
9460		RAMY	05	14	1210	S24	E66	05	19.6		A	AXX		1		5
9460	30456	MWIL	05	14	1400	S23	E66	05	19.7	4	(AP)					
9460		HOLL	05	14	1711	S23	E65	05	19.7		A	AXX	10	1	1	2
9460		LEAR	05	15	0138	S24	E59	05	19.6		A	AXX	10	1	1	3
9460		SVTO	05	15	0638	S24	E57	05	19.7		A	AXX		1		2
9460		KAND	05	15	0740	S22	E58	05	19.8			AX		1		4
9460		RAMY	05	15	1235	S24	E53	05	19.6		A	AXX		1		1
9460	30456	MWIL	05	15	1400	S23	E53	05	19.7	3	(AP)					
9460		HOLL	05	15	1740	S24	E51	05	19.7		A	AXX		1	1	3
9460A	30458	MWIL	05	15	1400	N15	E67	05	20.6	4	(AF)					
9470	30469	MWIL	05	21	1415	S17	W02	05	21.4	4	(AP)					
9470		LEAR	05	22	0025	S17	W07	05	21.5		B	BXO	10	3	2	3
9470		TACH	05	22	0619	S17	W11	05	21.4			BRO	38	3	1	4
9470		KAND	05	22	0950	S17	W12	05	21.5			AX		3	2	3
9470	30469	MWIL	05	22	1400	S17	W14	05	21.5	4	(BF)					
9470		SVTO	05	22	1445	S16	W15	05	21.5		A	HSX	10	1	1	2
9470		HOLL	05	22	1450	S12	W14	05	21.6		A	AXX	10	1	1	4
9470		LEAR	05	23	0622	S17	W23	05	21.5		A	AXX	10	1	1	1
9470		RAMY	05	23	1232	S16	W26	05	21.5		A	AXX	10	1	1	3
9470		HOLL	05	23	1330	S16	W27	05	21.5		A	AXX		1		4
9470	30469	MWIL	05	23	1400	S17	W28	05	21.4	4	(AF)					
9461	30459	MWIL	05	15	1400	N18	E83	05	21.9	5	BP					
9461		HOLL	05	15	1740	N15	E79	05	21.7		B	BXO	10	2	4	3
9461		LEAR	05	16	0005	N16	E75	05	21.7		B	DSO	70	4	5	3
9461		SVTO	05	16	0800	N16	E68	05	21.5		B	DAO	90	4	5	2
9461		TACH	05	16	0839	N16	E71	05	21.7			CSO	50	2	3	3
9461		KAND	05	16	0925	N19	E70	05	21.7			DAO		2	2	2
9461	30459	MWIL	05	16	1415	N18	E68	05	21.8	5	(BP)					
9461		HOLL	05	16	1510	N16	E69	05	21.9		B	DAO	120	3	6	3
9461		RAMY	05	16	1930	N21	E63	05	21.6		B	DSO	70	3	7	1

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9461		VORO	05	16	2324	N16	E64	05	21.8			HAX	242	2	1	2
9461		LEAR	05	17	0015	N19	E62	05	21.7		B	DAO	60	9	9	4
9461		TACH	05	17	0507	N18	E59	05	21.7			DSI	128	6	3	4
9461		SVTO	05	17	0947	N17	E56	05	21.7		B	DSO	130	7	8	2
9461		KAND	05	17	1045	N21	E56	05	21.7			DAO		5	2	4
9461		HOLL	05	17	1345	N16	E55	05	21.7		B	DAO	170	7	7	3
9461	30459	MWIL	05	17	1400	N20	E55	05	21.8	5	(BP)					
9461		VORO	05	18	0304	N18	E48	05	21.8			HAX	211	6	4	2
9461		KAND	05	18	0640	N20	E46	05	21.8			DSO		17	8	3
9461		SVTO	05	18	0840	N19	E45	05	21.8		B	DAI	110	15	10	2
9461		RAMY	05	18	1340	N19	E43	05	21.8		B	DSO	80	15	8	2
9461		HOLL	05	18	1358	N18	E45	05	22.0		B	DAO	100	18	8	3
9461	30459	MWIL	05	18	1400	N20	E42	05	21.8	5	(BP)					
9461		VORO	05	18	2247	N17	E37	05	21.8			HAX	427	6	4	2
9461		SVTO	05	19	0931	N19	E32	05	21.8		B	EAI	200	14	11	2
9461		KAND	05	19	1015	N22	E30	05	21.7			DAO		10	7	2
9461		RAMY	05	19	1220	N21	E30	05	21.8		B	DAO	90	12	7	2
9461	30459	MWIL	05	19	1415	N20	E28	05	21.7	5	(BP)					
9461		HOLL	05	19	1720	N17	E28	05	21.8		B	DAO	200	18	8	3
9461		VORO	05	19	2115	N22	E26	05	21.9			CSO	296	5	7	2
9461		TACH	05	20	0548	N20	E20	05	21.8			CSI	171	5	7	3
9461		LEAR	05	20	0745	N21	E17	05	21.6		B	DAO	140	10	8	2
9461		SVTO	05	20	1005	N21	E16	05	21.6		B	EAO	130	11	12	2
9461		RAMY	05	20	1405	N21	E16	05	21.8		B	DSO	80	6	8	1
9461	30459	MWIL	05	20	1415	N21	E15	05	21.7	5	(BP)					
9461		KAND	05	20	1425	N21	E15	05	21.7			DSO		6	8	4
9461		HOLL	05	20	1441	N24	E15	05	21.8		B	DSO	150	15	8	3
9461		TACH	05	21	0624	N20	E06	05	21.7			CSO	340	3	5	3
9461		KAND	05	21	0650	N22	E06	05	21.7			CSO		4	7	3
9461		RAMY	05	21	1247	N19	E01	05	21.6		B	CSO	80	2	5	1
9461	30459	MWIL	05	21	1415	N20	W00	05	21.6	5	(BP)					
9461		HOLL	05	21	1515	N23	W03	05	21.4		B	CSO	70	6	5	2
9461		VORO	05	21	2324	N22	W05	05	21.6			HAX	40	2		1
9461		LEAR	05	22	0025	N20	W07	05	21.5		B	CSO	70	5	5	3
9461		TACH	05	22	0619	N21	W09	05	21.6			HSX	200	1	1	4
9461		KAND	05	22	0950	N21	W11	05	21.6			HA		3	2	3
9461	30459	MWIL	05	22	1400	N21	W13	05	21.6	5	(BP)					
9461		SVTO	05	22	1445	N22	W13	05	21.6		A	HSX	90	1	2	2
9461		HOLL	05	22	1450	N23	W14	05	21.5		B	CSO	80	3	3	4
9461		VORO	05	23	0002	N21	W19	05	21.5			HAX	65	4		2
9461		LEAR	05	23	0622	N22	W22	05	21.6		B	DAO	40	4	2	1
9461		TACH	05	23	0623	N22	W22	05	21.6			HA	150	2	1	2
9461		KAND	05	23	0830	N21	W23	05	21.6			HS		5	2	1
9461		RAMY	05	23	1232	N22	W25	05	21.6		B	DSO	20	3	3	3
9461		SVTO	05	23	1303	N23	W24	05	21.7		B	CSO	40	4	3	2
9461		HOLL	05	23	1330	N21	W27	05	21.5		B	DAO	60	7	3	4
9461	30459	MWIL	05	23	1400	N21	W26	05	21.6	5	(AP)					
9461		LEAR	05	24	0025	N22	W33	05	21.5		B	DAO	50	6	2	2
9461		TACH	05	24	0553	N21	W35	05	21.6			HA	80	2	2	3
9461		KAND	05	24	0640	N21	W34	05	21.7			HA		5	3	3
9461		SVTO	05	24	0750	N21	W36	05	21.6		B	CSO	30	4	3	2
9461		RAMY	05	24	1115	N21	W39	05	21.5		B	DSO	40	2	2	2
9461		HOLL	05	24	1315	N22	W40	05	21.5		A	HAX	40	2	2	2
9461	30459	MWIL	05	24	1430	N21	W40	05	21.5	5	(AP)					
9461		LEAR	05	25	0120	N22	W47	05	21.4		A	HAX	30	2	2	3
9461		TACH	05	25	0658	N21	W50	05	21.4			HSX	50	1	1	4
9461		KAND	05	25	0950	N21	W50	05	21.6			HA		1	2	5
9461		RAMY	05	25	1205	N21	W51	05	21.6		A	HSX	20	1	1	3
9461		SVTO	05	25	1303	N23	W54	05	21.4		B	CSO	40	4	3	2
9461		HOLL	05	25	1312	N23	W53	05	21.5		A	HAX	30	1	1	3
9461	30459	MWIL	05	25	1430	N22	W53	05	21.5	4	(AP)					
9461		LEAR	05	26	0029	N21	W58	05	21.6		A	HSX	20	1	1	1
9461		TA6H	05	26	0640	N21	W62	05	21.5			HSX	45	1	2	4
9461		SVTO	05	26	0853	N22	W65	05	21.4		A	HSX	20	1	1	2
9461		RAMY	05	26	1301	N22	W65	05	21.5		A	HSX	40	1	2	2
9461		HOLL	05	26	1329	N23	W66	05	21.5		A	HAX	40	1	1	3
9461		KAND	05	26	1330	N21	W64	05	21.6			HS		1	1	3
9461	30459	MWIL	05	26	1430	N21	W66	05	21.5	4	(AP)					
9461		VORO	05	26	2327	N20	W71	05	21.5			HAX	48	1		3

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9461		LEAR	05	27	0027	N22	W71	05	21.6		A	HAX	30	1	1	2
9461		SVTO	05	27	0515	N22	W74	05	21.5		A	HAX	30	1	1	3
9461		TACH	05	27	0547	N19	W74	05	21.6			AXX	1	1	1	2
9461		KAND	05	27	0800	N20	W75	05	21.6			AX		1	1	3
9461		RAMY	05	27	1220	N22	W78	05	21.5		A	HSX	30	1	1	3
9461	30459	MWIL	05	27	1400	N21	W79	05	21.5	4	AP					
9461A	30460	MWIL	05	15	1400	N15	E83	05	21.9	4	AP					
9461A		KAND	05	16	0925	N16	E74	05	22.0			HA		1	2	2
9461A	30460	MWIL	05	16	1415	N15	E69	05	21.8	4	(AP)					
9461A		KAND	05	17	1045	N16	E58	05	21.8			HS		1	1	4
9461A	30460	MWIL	05	17	1400	N15	E56	05	21.8	5	(AP)					
9461A		KAND	05	18	0640	N16	E47	05	21.8			HS		2	1	3
9461A	30460	MWIL	05	18	1400	N15	E43	05	21.8	4	(AP)					
9461A		KAND	05	19	1015	N16	E32	05	21.8			AX		1	1	2
9461A	30460	MWIL	05	19	1415	N15	E30	05	21.9	4	(AP)					
9461A	30460	MWIL	05	20	1415	N13	E19	05	22.0	3	(B)					
9461A	30474	MWIL	05	22	1400	N11	W13	05	21.6	4	(AF)					
9476		HOLL	05	26	1329	S22	W48	05	22.9		A	AXX	10	2	3	3
9476		KAND	05	26	1330	S22	W48	05	22.9			BXO		2	3	3
9476	30481	MWIL	05	26	1430	S22	W49	05	22.8	4	(B)					
9476		LEAR	05	27	0027	S22	W56	05	22.7		B	BXO	20	3	3	2
9476		SVTO	05	27	0515	S22	W58	05	22.8		A	HRX	10	1	1	3
9476		KAND	05	27	0800	S22	W61	05	22.6			AX		1	1	3
9476		RAMY	05	27	1220	S21	W63	05	22.7		A	HSX	20	1	1	3
9476	30481	MWIL	05	27	1400	S22	W65	05	22.6	P	(A					
9476		LEAR	05	28	0025	S23	W70	05	22.6		A	AXX	20	1	1	2
9462		SVTO	05	17	0947	N19	E78	05	23.4		A	HAX	60	1	3	2
9462		KAND	05	17	1045	N20	E82	05	23.7			HA		1	2	4
9462		HOLL	05	17	1345	N18	E79	05	23.6		A	HAX	20	1	2	3
9462	30461	MWIL	05	17	1400	N20	E78	05	23.5	5	AP					
9462		VORO	05	18	0304	N19	E72	05	23.6			HAX	110	1		2
9462		KAND	05	18	0640	N20	E69	05	23.5			HS		2	3	3
9462		SVTO	05	18	0840	N20	E68	05	23.6		A	HSX	50	1	2	2
9462		RAMY	05	18	1340	N20	E67	05	23.7		B	DSO	80	2	2	2
9462		HOLL	05	18	1358	N19	E68	05	23.8		A	HAX	40	1	2	3
9462	30461	MWIL	05	18	1400	N20	E66	05	23.6	5	(AP)					
9462		VORO	05	18	2247	N19	E62	05	23.7			HAX	175	1		2
9462		SVTO	05	19	0931	N19	E54	05	23.5		A	HSX	70	1	2	2
9462		KAND	05	19	1015	N20	E56	05	23.7			HS		1	2	2
9462		RAMY	05	19	1220	N20	E53	05	23.6		A	HSX	40	1	2	2
9462	30461	MWIL	05	19	1415	N20	E53	05	23.6	5	(AP)					
9462		HOLL	05	19	1720	N18	E51	05	23.6		A	HSX	40	1	2	3
9462		VORO	05	19	2115	N20	E49	05	23.6			HAX	151	1		2
9462		TACH	05	20	0548	N19	E44	05	23.6			HSX	100	1	1	3
9462		LEAR	05	20	0745	N20	E43	05	23.6		A	HSX	80	1	2	2
9462		SVTO	05	20	1005	N19	E43	05	23.7		A	HAX	50	1	2	2
9462		RAMY	05	20	1405	N20	E40	05	23.6		A	HAX	60	1	1	1
9462	30461	MWIL	05	20	1415	N20	E40	05	23.6	5	(AP)					
9462		KAND	05	20	1425	N19	E40	05	23.6			HS		1	2	4
9462		HOLL	05	20	1441	N22	E41	05	23.8		A	HAX	60	1	1	3
9462		TACH	05	21	0624	N19	E31	05	23.6			HSX	150	1	1	3
9462		KAND	05	21	0650	N19	E31	05	23.6			HS		1	2	3
9462		RAMY	05	21	1247	N19	E27	05	23.6		A	HSX	50	1	1	1
9462	30461	MWIL	05	21	1415	N22	E28	05	23.7	5	(BP)					
9462	30471	MWIL	05	21	1415	N24	E28	05	23.7	4	(AF)					
9462		HOLL	05	21	1515	N23	E28	05	23.8		A	HSX	70	1	2	2
9462		VORO	05	21	2324	N20	E22	05	23.6			HAX	44	1		1
9462		LEAR	05	22	0025	N21	E22	05	23.7		B	CSO	70	3	2	3
9462		TACH	05	22	0619	N19	E19	05	23.7			HSX	110	1	1	4
9462		KAND	05	22	0950	N20	E17	05	23.7			HA		2	2	3
9462	30461	MWIL	05	22	1400	N19	E15	05	23.7	5	(BF)					
9462	30471	MWIL	05	22	1400	N25	E15	05	23.7	3	(AF)					
9462		SVTO	05	22	1445	N18	E15	05	23.7		B	DSO	70	3	4	2
9462		HOLL	05	22	1450	N22	E13	05	23.6		A	HSX	100	1	3	4
9462		VORO	05	23	0002	N19	E09	05	23.7			HAX	45	1		2
9462		LEAR	05	23	0622	N18	E05	05	23.6		B	CSO	60	3	3	1

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NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Time Mo	Day	(UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9462		TACH	05	23	0623	N20	E05	05	23.6			HSX	100	1	1	2
9462		KAND	05	23	0830	N20	E05	05	23.7			CSO		4	2	1
9462		RAMY	05	23	1232	N19	E04	05	23.8		A	HSX	60	1	1	3
9462		SVTO	05	23	1303	N18	E04	05	23.8		B	CSO	80	3	4	2
9462		HOLL	05	23	1330	N18	E02	05	23.7		B	CSO	110	3	3	4
9462	30461	MWIL	05	23	1400	N19	E01	05	23.6	5	(BP)					
9462	30471	MWIL	05	23	1400	N24	E02	05	23.7	3	(AF)					
9462		LEAR	05	24	0025	N18	W06	05	23.6		B	CSO	80	2	4	2
9462		TACH	05	24	0553	N20	W08	05	23.6			HSX	150	1	1	3
9462		KAND	05	24	0640	N19	W06	05	23.8			HS		1	2	3
9462		SVTO	05	24	0750	N19	W07	05	23.8		A	HSX	80	1	3	2
9462		RAMY	05	24	1115	N19	W09	05	23.8		A	HSX	40	1	1	2
9462		HOLL	05	24	1315	N18	W11	05	23.7		A	HSX	80	1	2	2
9462	30461	MWIL	05	24	1430	N19	W12	05	23.7	5	(BF)					
9462		LEAR	05	25	0120	N20	W17	05	23.7		A	HSX	40	1	2	3
9462		TACH	05	25	0658	N20	W22	05	23.6			HSX	200	1	1	4
9462		KAND	05	25	0950	N20	W21	05	23.8			HS		1	1	5
9462		RAMY	05	25	1205	N20	W22	05	23.8		A	HSX	40	1	1	3
9462		HOLL	05	25	1312	N21	W23	05	23.8		A	HSX	90	1	2	3
9462	30461	MWIL	05	25	1430	N20	W24	05	23.8	5	(AP)					
9462		LEAR	05	26	0029	N20	W30	05	23.7		A	HSX	50	1	1	1
9462		TACH	05	26	0640	N20	W32	05	23.8			HSX	1175	1	1	4
9462		SVTO	05	26	0853	N21	W35	05	23.7		A	HSX	70	1	3	2
9462		RAMY	05	26	1301	N21	W36	05	23.8		A	HSX	50	1	2	2
9462		HOLL	05	26	1329	N21	W37	05	23.7		A	HAX	80	1	2	3
9462		KAND	05	26	1330	N20	W36	05	23.8			HS		1	2	3
9462	30461	MWIL	05	26	1430	N20	W37	05	23.8	5	(AP)					
9462		VORO	05	26	2327	N19	W42	05	23.8			HAX	62	1		3
9462		LEAR	05	27	0027	N20	W42	05	23.8		A	HSX	60	1	2	2
9462		SVTO	05	27	0515	N20	W45	05	23.8		A	HSX	60	1	2	3
9462		TACH	05	27	0547	N19	W45	05	23.8			HSX	70	1	2	2
9462		KAND	05	27	0800	N20	W45	05	23.9			HS		1	2	3
9462		RAMY	05	27	1220	N21	W49	05	23.7		A	HSX	60	1	2	3
9462	30461	MWIL	05	27	1400	N20	W50	05	23.7	5	(AP)					
9462		HOLL	05	27	1720	N22	W51	05	23.8		A	HSX	60	1	2	2
9462		VORO	05	27	2116	N20	W54	05	23.7			HSX	105	1		2
9462		LEAR	05	28	0025	N20	W56	05	23.7		A	HSX	50	1	2	2
9462		SVTO	05	28	0503	N19	W57	05	23.9		A	HSX	40	1	1	3
9462		KAND	05	28	0640	N19	W58	05	23.8			HS		1	2	3
9462		RAMY	05	28	1233	N21	W60	05	23.9		A	HSX	60	1	2	3
9462	30461	MWIL	05	28	1430	N20	W62	05	23.9	5	(AP)					
9462		HOLL	05	28	1500	N22	W63	05	23.8		A	HAX	80	1	2	3
9462		VORO	05	28	2303	N19	W67	05	23.8			HAX	72	1		2
9462		LEAR	05	29	0225	N20	W69	05	23.8		A	HSX	50	1	2	2
9462		SVTO	05	29	0507	N19	W71	05	23.8		A	HSX	60	1	3	2
9462		TACH	05	29	0558	N18	W73	05	23.7			HSX	100	1	2	3
9462		KAND	05	29	0810	N21	W72	05	23.8			HS		1	2	3
9462		RAMY	05	29	1250	N22	W74	05	23.8		A	HSX	60	1	2	3
9462		HOLL	05	29	1310	N22	W75	05	23.8		A	HAX	60	1	2	2
9462		HOLL	05	29	1310	N27	W71	05	24.0		A	AXX		1	1	2
9462	30461	MWIL	05	29	1415	N20	W75	05	23.8	4	(AP)					
9471	30470	MWIL	05	21	1415	S12	E28	05	23.7	4	(BF)					
9471	30470	MWIL	05	22	1400	S10	E15	05	23.7	3	(B)					
9471		LEAR	05	23	0622	S12	E07	05	23.8		A	AXX	10	1	1	1
9471		SVTO	05	23	1303	S13	E02	05	23.7		A	HRX	10	1	1	2
9471		HOLL	05	23	1330	S13	E03	05	23.8		A	AXX		1		4
9471	30470	MWIL	05	23	1400	S13	E02	05	23.7	4	(AF)					
9471		LEAR	05	24	0025	S12	W04	05	23.7		B	BXO	10	2	1	2
9471		KAND	05	24	0640	S13	W06	05	23.8			BXO		2	1	3
9471		SVTO	05	24	0750	S14	W08	05	23.7		A	AXX	10	2	2	2
9471A		KAND	05	18	0640	S33	E76	05	24.3			AX		1		3
9471A		HOLL	05	18	1358	S34	E72	05	24.3		A	AXX		1		3
9471A	30463	MWIL	05	18	1400	S33	E69	05	24.1	4	(AF)					
9471A		SVTO	05	19	0931	S33	E59	05	24.1		A	HRX	10	1	1	2
9471A	30463	MWIL	05	19	1415	S33	E56	05	24.0	4	(AF)					
9471A		HOLL	05	19	1720	S34	E57	05	24.3		A	AXX	20	1	1	3
9471A	30463	MWIL	05	20	1415	S33	E44	05	24.1	4	(AF)					

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NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Mo	Day	Time (UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9471A		HOLL	05	20	1441	S31	E41	05	23.8		A	AXX	10	1	1	3
9463		KAND	05	18	0640	N07	E80	05	24.3			HS		3	2	3
9463		SVTO	05	18	0840	N07	E76	05	24.0		A	HSX	60	1	2	2
9463		RAMY	05	18	1340	N08	E78	05	24.4		B	DSO	40	2	4	2
9463		HOLL	05	18	1358	N07	E79	05	24.5		B	DAO	50	2	5	3
9463	30464	MWIL	05	18	1400	N06	E76	05	24.3	5	(BP)					
9463		VORO	05	18	2247	N07	E71	05	24.3			HKX	474	2		2
9463		SVTO	05	19	0931	N07	E66	05	24.3		B	DAO	200	3	8	2
9463		KAND	05	19	1015	N08	E67	05	24.4			CAO		6	7	2
9463		RAMY	05	19	1220	N08	E64	05	24.3		B	DAO	260	4	9	2
9463	30464	MWIL	05	19	1415	N07	E64	05	24.4	5	(BP)					
9463		HOLL	05	19	1720	N06	E62	05	24.4		B	DAO	220	10	10	3
9463		VORO	05	19	2115	N07	E61	05	24.4			DKI	691	4	8	2
9463		TACH	05	20	0548	N07	E56	05	24.4			DAI	370	8	9	3
9463		LEAR	05	20	0745	N08	E55	05	24.4		B	DAO	490	13	8	2
9463		SVTO	05	20	1005	N08	E53	05	24.4		B	EAO	360	14	11	2
9463		RAMY	05	20	1405	N09	E51	05	24.4		B	EAO	350	1	11	1
9463	30464	MWIL	05	20	1415	N08	E50	05	24.3	5	(BG)					
9463		KAND	05	20	1425	N08	E50	05	24.3			EKI		14	13	4
9463		HOLL	05	20	1441	N10	E51	05	24.4		B	EKI	370	18	11	3
9463		TACH	05	21	0624	N07	E40	05	24.3			DAI	586	7	11	3
9463		KAND	05	21	0650	N08	E41	05	24.3			EAI		22	13	3
9463		RAMY	05	21	1247	N13	E36	05	24.2		B	EKI	430	13	12	1
9463	30464	MWIL	05	21	1415	N08	E35	05	24.2	5	(BG)					
9463		HOLL	05	21	1515	N12	E35	05	24.3		BG	EKI	530	26	12	2
9463		VORO	05	21	2324	N07	E31	05	24.3			DSO	244	5	11	1
9463		LEAR	05	22	0025	N09	E31	05	24.3		BG	EKI	360	33	13	3
9463		TACH	05	22	0619	N08	E27	05	24.3			DAI	860	14	11	4
9463		KAND	05	22	0950	N08	E25	05	24.3			EKI		42	14	3
9463	30464	MWIL	05	22	1400	N07	E22	05	24.2	5	(BG)					
9463		SVTO	05	22	1445	N06	E23	05	24.3		B	EKI	550	24	15	2
9463		HOLL	05	22	1450	N12	E22	05	24.3		BG	EHI	320	31	13	4
9463		VORO	05	23	0002	N07	E17	05	24.3			DKI	343	19	11	2
9463		LEAR	05	23	0622	N08	E12	05	24.2		B	EHI	420	25	14	1
9463		TACH	05	23	0623	N07	E13	05	24.2			EAI	1031	8	13	2
9463		KAND	05	23	0830	N06	E12	05	24.2			EKI		18	15	1
9463		RAMY	05	23	1232	N07	E10	05	24.3		B	EHI	740	13	14	3
9463		SVTO	05	23	1303	N06	E10	05	24.3		B	FKI	700	21	16	2
9463		HOLL	05	23	1330	N07	E09	05	24.2		B	EKI	780	56	15	4
9463	30464	MWIL	05	23	1400	N08	E08	05	24.2	6	(BG)					
9463		LEAR	05	24	0025	N06	E04	05	24.3		B	EKI	630	32	14	2
9463		TACH	05	24	0553	N08	W02	05	24.1			DAI	1322	17	8	3
9463		KAND	05	24	0640	N08	E00	05	24.3			FKO		26	16	3
9463		SVTO	05	24	0750	N07	W02	05	24.2		B	FKI	670	18	16	2
9463		RAMY	05	24	1115	N08	W03	05	24.2		B	FKI	680	21	16	2
9463		HOLL	05	24	1315	N07	W04	05	24.2		B	FKI	700	28	16	2
9463	30464	MWIL	05	24	1430	N07	W06	05	24.1	6	(D)					
9463		LEAR	05	25	0120	N08	W11	05	24.2		B	EKI	440	26	15	3
9463		TACH	05	25	0658	N08	W16	05	24.1			DAI	919	11	10	4
9463		KAND	05	25	0950	N08	W16	05	24.2			FKO		23	16	5
9463		RAMY	05	25	1205	N09	W17	05	24.2		B	EKO	470	17	15	3
9463		HOLL	05	25	1312	N08	W18	05	24.2		BG	EKI	540	36	13	3
9463	30464	MWIL	05	25	1430	N08	W19	05	24.2	6	(BG)					
9463		LEAR	05	26	0029	N08	W25	05	24.1		BG	EKO	430	17	12	1
9463		TACH	05	26	0640	N08	W28	05	24.2			DAO	120	6	9	4
9463		SVTO	05	26	0853	N08	W29	05	24.2		B	EKO	560	15	14	2
9463		RAMY	05	26	1301	N09	W32	05	24.1		B	EKO	360	4	12	2
9463		HOLL	05	26	1329	N08	W33	05	24.1		BG	EKI	650	34	13	3
9463		KAND	05	26	1330	N08	W32	05	24.2			EKO		18	14	3
9463	30464	MWIL	05	26	1430	N08	W33	05	24.1	6	(BG)					
9463		VORO	05	26	2327	N08	W38	05	24.1			DKI	394	6	11	3
9463		LEAR	05	27	0027	N08	W37	05	24.2		BG	EKI	460	19	13	2
9463		SVTO	05	27	0515	N08	W38	05	24.4		BG	FKI	560	21	18	3
9463		TACH	05	27	0547	N08	W41	05	24.2			DSO	561	4	11	2
9463		KAND	05	27	0800	N08	W41	05	24.2			EKO		5	13	3
9463		RAMY	05	27	1220	N09	W44	05	24.2		BG	EKO	400	9	14	3
9463	30464	MWIL	05	27	1400	N08	W47	05	24.0	6	(B)					
9463		HOLL	05	27	1720	N09	W48	05	24.1		BG	EKI	540	3	14	2

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9463		VORO	05	27	2116	N09	W50	05	24.1			DKO	517	3	11	2
9463		LEAR	05	28	0025	N07	W51	05	24.2		BG	EKI	360	18	13	2
9463		SVTO	05	28	0503	N08	W54	05	24.2		B	EHO	430	7	14	3
9463		KAND	05	28	0640	N07	W56	05	24.1			CKO		4	13	3
9463		RAMY	05	28	1233	N09	W57	05	24.2		BG	EHO	430	4	14	3
9463	30464	MWIL	05	28	1430	N08	W61	05	24.0	5	(BP)					
9463		HOLL	05	28	1500	N09	W61	05	24.0		B	EKO	440	12	13	3
9463		VORO	05	28	2303	N07	W70	05	23.7			HKX	521	1		2
9463		LEAR	05	29	0225	N07	W66	05	24.1		B	CKO	300	5	14	2
9463		SVTO	05	29	0507	N06	W72	05	23.8		A	HKX	240	1	5	2
9463		TACH	05	29	0558	N06	W68	05	24.1			CSO	355	2	12	3
9463		KAND	05	29	0810	N08	W75	05	23.7			HS		1	3	3
9463		RAMY	05	29	1250	N08	W76	05	23.8		A	HHX	330	1	3	3
9463		HOLL	05	29	1310	N09	W78	05	23.7		A	HKX	300	1	4	2
9463	30464	MWIL	05	29	1415	N07	W78	05	23.7	5	(AP)					
9479	30478	MWIL	05	24	1430	N28	W02	05	24.4	3	(AF)					
9479	30478	MWIL	05	25	1430	N28	W16	05	24.3	4	(AF)					
9479	30478	MWIL	05	26	1430	N29	W31	05	24.2	3	(AF)					
9479	30478	MWIL	05	27	1400	N26	W36	05	24.8	4	(AP)					
9479		SVTO	05	28	0503	N25	W43	05	24.9		A	AXX	10	2	2	3
9479		KAND	05	28	0640	N24	W44	05	24.9			BXO		2	1	3
9479		RAMY	05	28	1233	N26	W47	05	24.9		B	DSO	30	2	3	3
9479	30478	MWIL	05	28	1430	N25	W49	05	24.8	4	(B)					
9479		HOLL	05	28	1500	N26	W48	05	24.9		B	CSO	50	4	3	3
9479		VORO	05	28	2303	N25	W51	05	25.0			HAX	38	2		2
9479		LEAR	05	29	0225	N25	W57	05	24.7		B	BXO	10	3	1	2
9479		SVTO	05	29	0507	N25	W57	05	24.8		A	AXX		1		2
9479		KAND	05	29	0810	N26	W58	05	24.8			AX		1	1	3
9479	30478	MWIL	05	29	1415	N25	W62	05	24.8	4	(B)					
9466	30465	MWIL	05	18	1400	S09	E84	05	24.9	4	AP					
9466		RAMY	05	19	1220	S08	E70	05	24.8		A	HSX	50	1	2	2
9466	30465	MWIL	05	19	1415	S09	E69	05	24.8	4	(AP)					
9466	30465	MWIL	05	20	1415	S09	E56	05	24.8	4	(AP)					
9466		KAND	05	20	1425	S04	E59	05	25.0			CSO		2	3	4
9466		KAND	05	21	0650	S04	E50	05	25.0			HS		2	2	3
9466	30465	MWIL	05	21	1415	S09	E42	05	24.7	4	(AP)					
9466		HOLL	05	21	1515	S02	E44	05	24.9		A	HSX	30	2	2	2
9466		LEAR	05	22	0025	S04	E39	05	24.9		A	AXX	10	3	1	3
9466		KAND	05	22	0950	S05	E35	05	25.0			BXO		4	4	3
9466	30465	MWIL	05	22	1400	S09	E29	05	24.7	4	(AP)					
9466		HOLL	05	22	1450	S01	E31	05	24.9		A	AXX	10	3	1	4
9466		LEAR	05	23	0622	S04	E23	05	25.0		B	BSO	10	2	1	1
9466		HOLL	05	23	1330	S04	E19	05	25.0		A	AXX	20	7	2	4
9466	30465	MWIL	05	23	1400	S10	E16	05	24.8	5	(AP)					
9466		LEAR	05	24	0025	S06	E10	05	24.8		B	DAO	50	9	5	2
9466		KAND	05	24	0640	S04	E11	05	25.1			CAI		9	4	3
9466		SVTO	05	24	0750	S05	E09	05	25.0		B	DAO	50	4	4	2
9466		HOLL	05	24	1315	S05	E06	05	25.0		B	CAO	70	7	3	2
9466	30465	MWIL	05	24	1430	S10	E02	05	24.7	3	(AP)					
9466		KAND	05	25	0950	S03	W04	05	25.1			CSO		3	3	5
9466		RAMY	05	25	1205	S06	W07	05	25.0		B	CSO	20	5	3	3
9466		HOLL	05	25	1312	S04	W07	05	25.0		B	CSO	30	7	3	3
9466		LEAR	05	26	0029	S05	W13	05	25.0		B	CRO	10	2	3	1
9466		SVTO	05	26	0853	S05	W17	05	25.1		B	BXO	20	5	4	2
9466		HOLL	05	26	1329	S04	W19	05	25.1		B	BXO	10	4	5	3
9466		KAND	05	26	1330	S05	W19	05	25.1			BXO		6	5	3
9464		TACH	04	22	0619	S06	E34	04	24.8			DSO	95	2	3	4
9464		SVTO	05	19	0931	S11	E76	05	25.1		B	CRO	60	2	8	2
9464		KAND	05	19	1015	S08	E71	05	24.7			HR		1	1	2
9464		RAMY	05	19	1220	S10	E70	05	24.8		A	AXX	10	1	1	2
9464		HOLL	05	19	1720	S11	E72	05	25.1		B	CAO	110	3	11	3
9464		TACH	05	20	0548	S09	E60	05	24.7			AXX	10	1	1	3
9464		LEAR	05	20	0745	S08	E63	05	25.0		B	DAO	30	6	8	2
9464		SVTO	05	20	1005	S07	E58	05	24.8		B	DAO	50	4	6	2
9464		RAMY	05	20	1405	S07	E57	05	24.8		B	DSO	40	4	6	1
9464	30467	MWIL	05	20	1415	S04	E58	05	24.9	4	(BP)					

S U N S P O T G R O U P S
(Ordered by Central Meridian Passage Date)

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NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Time Mo	Day	(UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9464		KAND	05	20	1425	S09	E56	05	24.8			HS		1	2	4
9464		HOLL	05	20	1441	S05	E58	05	25.0		B	DSO	60	3	5	3
9464		TACH	05	21	0624	S07	E48	05	24.9			CSO	105	2	4	3
9464		KAND	05	21	0650	S09	E47	05	24.8			HR		1	1	3
9464		RAMY	05	21	1247	S07	E44	05	24.8		B	DSO	40	2	6	1
9464	30467	MWIL	05	21	1415	S04	E46	05	25.0	4	(BP)					
9464		HOLL	05	21	1515	S07	E41	05	24.7		A	AXX	10	1	1	2
9464		VORO	05	21	2324	S09	E36	05	24.7			AXX	29	1		1
9464		LEAR	05	22	0025	S09	E36	05	24.7		A	HSX	10	1	1	3
9464		KAND	05	22	0950	S09	E32	05	24.8			HA		2	1	3
9464	30467	MWIL	05	22	1400	S05	E33	05	25.0	4	(BP)					
9464		SVTO	05	22	1445	S09	E28	05	24.7		A	HSX	10	1	1	2
9464		HOLL	05	22	1450	S06	E28	05	24.7		A	AXX	10	1	1	4
9464		VORO	05	23	0002	S09	E23	05	24.7			AXX	24	1		2
9464		LEAR	05	23	0622	S09	E20	05	24.8		A	HSX	10	1	1	1
9464		TACH	05	23	0623	S07	E23	05	25.0			BXI	27	3	8	2
9464		RAMY	05	23	1232	S07	E19	05	24.9		B	BXO	20	3	5	3
9464		SVTO	05	23	1303	S11	E16	05	24.7		A	HSX	10	1	1	2
9464		HOLL	05	23	1330	S09	E16	05	24.8		A	AXX	10	3	1	4
9464	30467	MWIL	05	23	1400	S05	E21	05	25.1	5	(BP)					
9464		LEAR	05	24	0025	S10	E10	05	24.8		B	BXO	10	2	1	2
9464		TACH	05	24	0553	S05	E07	05	24.8			CAO	100	3	3	3
9464		KAND	05	24	0640	S09	E07	05	24.8			AX		2	2	3
9464		SVTO	05	24	0750	S10	E06	05	24.8		A	HRX	10	1	1	2
9464		RAMY	05	24	1115	S07	E06	05	24.9		B	CAO	50	6	7	2
9464		HOLL	05	24	1315	S09	E03	05	24.8		A	AXX		1		2
9464	30467	MWIL	05	24	1430	S05	E06	05	25.0	4	(BP)					
9464		LEAR	05	25	0120	S03	E01	05	25.1		B	CRO	10	3	3	3
9464		TACH	05	25	0658	S03	W05	05	24.9			AR	35	2	2	4
9464		RAMY	05	25	1205	S06	W07	05	25.0		B	CSO	20	5	3	3
9464	30467	MWIL	05	25	1430	S04	W08	05	25.0	4	(B)					
9464		TACH	05	26	0640	S04	W16	05	25.1			BRO	8	3	2	4
9464		RAMY	05	26	1301	S04	W20	05	25.0		B	BXO	36	3	12	2
9464	30467	MWIL	05	26	1430	S04	W21	05	25.0	4	(BG)					
9464	30467	MWIL	05	27	1400	S03	W36	05	24.9	3	(AP)					
9464		TACH	05	29	0558	S04	W59	05	24.8			AXX	10	1	1	3
9465	30466	MWIL	05	19	1415	S11	E81	05	25.7	4	(AP)					
9465		LEAR	05	20	0745	S15	E68	05	25.5		B	DAO	50	3	9	2
9465		SVTO	05	20	1005	S09	E71	05	25.7		B	EAO	30	4	12	2
9465		RAMY	05	20	1405	S09	E70	05	25.8		B	ESO	80	4	12	1
9465	30466	MWIL	05	20	1415	S11	E66	05	25.5	4	(BP)					
9465		KAND	05	20	1425	S11	E67	05	25.6			HS		3	3	4
9465		HOLL	05	20	1441	S08	E69	05	25.8		B	DAO	50	4	10	3
9465		KAND	05	21	0650	S11	E57	05	25.6			AX		4	3	3
9465		RAMY	05	21	1247	S10	E57	05	25.8		B	DSO	150	3	10	1
9465	30466	MWIL	05	21	1415	S11	E55	05	25.7	4	(BP)					
9465		HOLL	05	21	1515	S08	E51	05	25.4		A	HSX	50	5	3	2
9465		LEAR	05	22	0025	S12	E46	05	25.5		B	CSO	40	6	5	3
9465		KAND	05	22	0950	S11	E42	05	25.6			BXO		8	3	3
9465	30466	MWIL	05	22	1400	S11	E41	05	25.7	4	(BP)					
9465		SVTO	05	22	1445	S08	E37	05	25.4		B	CSO	40	6	11	2
9465		HOLL	05	22	1450	S09	E39	05	25.5		B	CSO	30	5	3	4
9465		LEAR	05	23	0622	S10	E28	05	25.4		B	BSO	10	3	2	1
9465		RAMY	05	23	1232	S08	E25	05	25.4		A	HSX	50	1	2	3
9465		SVTO	05	23	1303	S06	E20	05	25.0		B	CRO	10	3	3	2
9465		HOLL	05	23	1330	S10	E24	05	25.4		B	BXO	10	6	3	4
9465	30477	MWIL	05	23	1400	S07	E24	05	25.4	4	(AP)					
9465	30466	MWIL	05	23	1400	S11	E27	05	25.6	4	(B)					
9465		LEAR	05	24	0025	S11	E20	05	25.5		B	BXO	10	4	3	2
9465		KAND	05	24	0640	S11	E18	05	25.6			AX		5	2	3
9465		SVTO	05	24	0750	S12	E16	05	25.5		A	AXX	10	2	2	2
9465		RAMY	05	24	1115	S08	E21	05	26.0		A	HSX	60	1	2	2
9465		HOLL	05	24	1315	S13	E15	05	25.7		B	BXO	10	8	6	2
9465	30466	MWIL	05	24	1430	S13	E14	05	25.7	3	(AF)					
9465		LEAR	05	25	0120	S16	E13	05	26.0		B	BXO	10	5	2	3
9465		KAND	05	25	0950	S10	E06	05	25.9			AX		3	1	5
9465		RAMY	05	25	1205	S10	E04	05	25.8		B	BXO	10	6	3	3
9465		HOLL	05	25	1312	S12	E03	05	25.8		B	BXO	20	11	4	3

S U N S P O T G R O U P S
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NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Mo	Day	Time (UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9465	30466	MWIL	05	25	1430	S10	E01	05	25.7	4	(B)					
9465		LEAR	05	26	0029	S10	W05	05	25.6		B	CRO	10	3	3	1
9465		SVTO	05	26	0853	S10	W10	05	25.6		B	CRO	20	6	6	2
9465		RAMY	05	26	1301	S11	W13	05	25.6		B	CSO	30	2	5	2
9465		HOLL	05	26	1329	S10	W13	05	25.6		B	BXO	10	7	6	3
9465		KAND	05	26	1330	S10	W11	05	25.7			BXO		12	6	3
9465	30466	MWIL	05	26	1430	S11	W13	05	25.6	4	(B)					
9465		LEAR	05	27	0027	S11	W18	05	25.7		B	BXO	20	6	6	2
9465		SVTO	05	27	0515	S10	W23	05	25.5		B	BXO	20	7	9	3
9465		KAND	05	27	0800	S10	W23	05	25.6			BXO		4	6	3
9465		RAMY	05	27	1220	S11	W28	05	25.4		A	AXX		1		3
9465	30466	MWIL	05	27	1400	S11	W28	05	25.5	4	(B)					
9465		SVTO	05	28	0503	S09	W37	05	25.4		A	HRX	10	1	1	3
9465	30466	MWIL	05	28	1430	S10	W38	05	25.7	4	(AF)					
9481		RAMY	05	27	1220	N18	W22	05	25.8		B	BXO	10	2	4	3
9481	30485	MWIL	05	27	1400	N17	W24	05	25.7	4	(B)					
9481		LEAR	05	28	0025	N17	W31	05	25.7		B	BXO	20	3	5	2
9481		SVTO	05	28	0503	N17	W34	05	25.6		A	AXX	10	2	2	3
9481	30485	MWIL	05	28	1430	N18	W40	05	25.5	3	(AP)					
9481	30485	MWIL	05	30	1400	N17	W64	05	25.7	4	(AP)					
9481		HOLL	05	30	1400	N18	W67	05	25.5		A	AXX		1	1	3
9481		LEAR	05	31	0030	N17	W71	05	25.6		B	CSO	30	3	9	3
9481		VORO	05	31	0058	N17	W72	05	25.6			CAO	47	3	6	2
9481		SVTO	05	31	0515	N17	W75	05	25.5		B	DSO	80	4	9	3
9481		KAND	05	31	0815	N17	W73	05	25.8			HS		2	1	3
9481		TACH	05	31	0845	N17	W75	05	25.7			HSX	50	1	2	3
9481	30485	MWIL	05	31	1400	N18	W78	05	25.6	4	(AP)					
9481		HOLL	05	31	1448	N20	W78	05	25.6		B	HAX	60	2	2	3
9481		LEAR	06	01	0015	N18	W85	05	25.6		B	DAO	60	3	3	4
9467		TACH	05	20	0548	S09	E76	05	25.9			BRO	21	3	9	3
9467	30468	MWIL	05	20	1415	S07	E74	05	26.1	5	(AP)					
9467		KAND	05	20	1425	S07	E74	05	26.1			HS		1	2	4
9467		TACH	05	21	0624	S10	E62	05	25.9			DSO	120	2	9	3
9467		KAND	05	21	0650	S06	E65	05	26.1			HA		1	2	3
9467	30468	MWIL	05	21	1415	S07	E60	05	26.1	5	(AP)					
9467		HOLL	05	21	1515	S05	E59	05	26.0		A	HAX	60	1	1	2
9467		VORO	05	21	2324	S07	E54	05	26.0			HRX	56	1		1
9467		LEAR	05	22	0025	S07	E55	05	26.1		A	HAX	60	1	2	3
9467		TACH	05	22	0619	S08	E49	05	25.9			DSO	145	2	3	4
9467		KAND	05	22	0950	S06	E49	05	26.1			HS		1	2	3
9467	30468	MWIL	05	22	1400	S09	E47	05	26.1	5	(AP)					
9467		SVTO	05	22	1445	S07	E46	05	26.1		A	HSX	60	1	2	2
9467		HOLL	05	22	1450	S03	E47	05	26.1		A	HSX	60	1	2	4
9467		VORO	05	23	0002	S07	E41	05	26.1			HRX	67	3		2
9467		LEAR	05	23	0622	S07	E38	05	26.1		A	HSX	50	1	2	1
9467		TACH	05	23	0623	S06	E37	05	26.0			HSX	110	1	1	2
9467		KAND	05	23	0830	S06	E37	05	26.1			HS		1	2	1
9467		SVTO	05	23	1303	S09	E34	05	26.1		A	HSX	70	1	3	2
9467		HOLL	05	23	1330	S07	E34	05	26.1		A	HSX	100	1	2	4
9467	30468	MWIL	05	23	1400	S07	E34	05	26.1	5	(BP)					
9467		LEAR	05	24	0025	S07	E28	05	26.1		A	HAX	100	1	2	2
9467		TACH	05	24	0553	S05	E23	05	26.0			HSX	100	1	1	3
9467		KAND	05	24	0640	S07	E25	05	26.1			HS		1	2	3
9467		SVTO	05	24	0750	S08	E23	05	26.0		A	HSX	80	1	3	2
9467		RAMY	05	24	1115	S08	E21	05	26.0		A	HSX	60	1	2	2
9467		HOLL	05	24	1315	S07	E21	05	26.1		A	HSX	80	1	2	2
9467	30468	MWIL	05	24	1430	S08	E21	05	26.2	5	(BP)					
9467		LEAR	05	25	0120	S11	E09	05	25.7		B	BXO	60	5	3	3
9467		TACH	05	25	0658	S08	E08	05	25.9			CAO	103	4	4	4
9467		KAND	05	25	0950	S06	E10	05	26.1			CSO		2	3	5
9467		RAMY	05	25	1205	S07	E08	05	26.1		A	HSX	30	1	1	3
9467		HOLL	05	25	1312	S07	E06	05	26.0		A	HSX	80	1	2	3
9467	30468	MWIL	05	25	1430	S07	E06	05	26.0	5	(AP)					
9467		LEAR	05	26	0029	S07	W00	05	26.0		A	HSX	40	1	1	1
9467		TACH	05	26	0640	S09	W06	05	25.8			CSI	93	6	7	4
9467		SVTO	05	26	0853	S06	W05	05	26.0		A	HAX	80	1	3	2
9467		RAMY	05	26	1301	S07	W07	05	26.0		A	HSX	40	1	1	2

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NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Mo	Day	Time (UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9467		HOLL	05	26	1329	S07	W07	05	26.0		A	HSX	80	1	2	3
9467		KAND	05	26	1330	S06	W07	05	26.0			HS		1	2	3
9467	30468	MWIL	05	26	1430	S07	W08	05	26.0	5	(AP)					
9467		VORO	05	26	2327	S08	W13	05	26.0			HAX	48	1		3
9467		LEAR	05	27	0027	S07	W13	05	26.0		A	HSX	40	1	2	2
9467		SVTO	05	27	0515	S06	W16	05	26.0		A	HSX	60	1	3	3
9467		TACH	05	27	0547	S06	W16	05	26.0			HSX	80	1	1	2
9467		KAND	05	27	0800	S08	W17	05	26.0			HS		1	2	3
9467		RAMY	05	27	1220	S07	W22	05	25.9		B	CSO	40	3	8	3
9467	30468	MWIL	05	27	1400	S07	W20	05	26.1	5	(AP)					
9467		HOLL	05	27	1720	S05	W22	05	26.1		A	HAX	80	1	2	2
9467		VORO	05	27	2116	S07	W25	05	26.0			HAX	71	1		2
9467		LEAR	05	28	0025	S07	W27	05	26.0		A	HSX	50	1	2	2
9467		SVTO	05	28	0503	S07	W29	05	26.0		A	HSX	100	1	2	3
9467		KAND	05	28	0640	S07	W30	05	26.0			HS		2	1	3
9467		RAMY	05	28	1233	S06	W33	05	26.0		A	HSX	30	1	1	3
9467	30468	MWIL	05	28	1430	S07	W35	05	26.0	4	(AP)					
9467		HOLL	05	28	1500	S05	W35	05	26.0		A	HAX	50	2	2	3
9467		VORO	05	28	2303	S07	W40	05	26.0			HSX	44	1		2
9467		LEAR	05	29	0225	S07	W42	05	25.9		A	HAX	30	1	1	2
9467		SVTO	05	29	0507	S08	W43	05	26.0		A	HAX	30	1	1	2
9467		TACH	05	29	0558	S08	W43	05	26.0			HSX	60	1	1	3
9467		KAND	05	29	0810	S06	W44	05	26.0			HR		1	1	3
9467		RAMY	05	29	1250	S06	W47	05	26.0		A	HSX	30	1	1	3
9467		HOLL	05	29	1310	S05	W47	05	26.0		A	HSX	60	1	2	2
9467	30468	MWIL	05	29	1415	S07	W47	05	26.1	5	(AP)					
9467		SVTO	05	30	0610	S07	W58	05	25.9		A	HSX	50	1	2	3
9467		TACH	05	30	0615	S06	W58	05	25.9			HSX	80	1	2	3
9467		KAND	05	30	0750	S07	W57	05	26.0			HS		2	1	3
9467		RAMY	05	30	1205	S06	W59	05	26.1		A	HSX	20	1	1	3
9467		HOLL	05	30	1400	S05	W61	05	26.0		A	HSX	40	1	2	3
9467	30468	MWIL	05	30	1400	S07	W61	05	26.0	4	(AP)					
9467		LEAR	05	31	0030	S07	W68	05	25.9		A	HSX	20	1	2	3
9467		VORO	05	31	0058	S07	W68	05	25.9			AXX	18	1		2
9467		SVTO	05	31	0515	S07	W70	05	26.0		A	HSX	50	1	1	3
9467		KAND	05	31	0815	S08	W72	05	25.9			HR		1	1	3
9467		TACH	05	31	0845	S08	W72	05	26.0			HSX	45	1	1	3
9467	30468	MWIL	05	31	1400	S07	W75	05	26.0	4	(AP)					
9467		HOLL	05	31	1448	S05	W77	05	25.8		A	AXX	10	1	1	3
9468		TACH	05	21	0624	N06	E78	05	27.1			HSX	65	1	2	3
9468		KAND	05	21	0650	N06	E77	05	27.0			CSO		3	4	3
9468		RAMY	05	21	1247	N06	E70	05	26.8		B	DSO	90	3	10	1
9468	30472	MWIL	05	21	1415	N06	E70	05	26.8	4	(AP)					
9468		HOLL	05	21	1515	N07	E69	05	26.8		B	CAO	60	2	5	2
9468		VORO	05	21	2324	N07	E65	05	26.8			HRX	69	1		1
9468		LEAR	05	22	0025	N07	E65	05	26.9		B	CAO	50	3	7	3
9468		TACH	05	22	0619	N06	E60	05	26.7			CSO	102	2	4	4
9468		KAND	05	22	0950	N07	E62	05	27.0			HS		2	6	3
9468	30472	MWIL	05	22	1400	N07	E57	05	26.8	5	(AP)					
9468	30475	MWIL	05	22	1400	N09	E59	05	27.0	4	(B)					
9468		SVTO	05	22	1445	N06	E58	05	26.9		B	DAO	90	5	9	2
9468		HOLL	05	22	1450	N09	E58	05	27.0		B	CSO	60	6	8	4
9468		VORO	05	23	0002	N08	E53	05	27.0			CSO	121	5	2	2
9468		LEAR	05	23	0622	N07	E48	05	26.9		B	DAO	80	11	5	1
9468		TACH	05	23	0623	N06	E49	05	26.9			DAI	175	4	4	2
9468		KAND	05	23	0830	N07	E48	05	26.9			DAO		10	6	1
9468		RAMY	05	23	1232	N05	E45	05	26.9		B	DSO	170	9	8	3
9468		SVTO	05	23	1303	N03	E45	05	26.9		B	DAI	140	11	9	2
9468		HOLL	05	23	1330	N06	E44	05	26.8		B	DAI	210	23	8	4
9468	30472	MWIL	05	23	1400	N06	E45	05	26.9	5	(BG)					
9468		LEAR	05	24	0025	N05	E36	05	26.7		B	DAO	130	20	6	2
9468		TACH	05	24	0553	N06	E33	05	26.7			DAI	295	7	3	3
9468		KAND	05	24	0640	N06	E35	05	26.9			DAO		16	8	3
9468		SVTO	05	24	0750	N05	E33	05	26.8		B	DAI	130	18	9	2
9468		RAMY	05	24	1115	N05	E31	05	26.8		B	DSI	120	17	7	2
9468		HOLL	05	24	1315	N06	E31	05	26.9		B	DAI	200	25	8	2
9468	30472	MWIL	05	24	1430	N05	E30	05	26.8	5	(BP)					
9468		LEAR	05	25	0120	N07	E24	05	26.8		BG	DSO	80	24	9	3

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NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Mo	Day	Time (UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9468		TACH	05	25	0658	N06	E19	05	26.7			DAI	195	12	3	4
9468		KAND	05	25	0735	N07	E20	05	26.8			DAO		15	8	5
9468		RAMY	05	25	1205	N08	E18	05	26.8		B	DAO	100	17	8	3
9468		SVTO	05	25	1303	N03	E15	05	26.7		B	DAI	140	11	9	2
9468		HOLL	05	25	1312	N06	E17	05	26.8		B	DAI	100	26	8	3
9468	30472	MWIL	05	25	1430	N06	E16	05	26.8	5	(BP)					
9468		LEAR	05	26	0029	N06	E09	05	26.7		B	DAO	80	14	1	1
9468		TACH	05	26	0640	N05	E06	05	26.7			DAI	24	11	4	4
9468		SVTO	05	26	0853	N07	E06	05	26.8		B	DAO	160	15	9	2
9468		RAMY	05	26	1301	N06	E04	05	26.8		B	DAO	140	7	6	2
9468		HOLL	05	26	1329	N06	E03	05	26.8		B	DAI	170	23	8	3
9468		KAND	05	26	1330	N06	E02	05	26.7			DAO		16	9	3
9468	30472	MWIL	05	26	1430	N06	E02	05	26.7	4	(BP)					
9468		VORO	05	26	2327	N05	W03	05	26.7			DSO	126	5	4	3
9468		LEAR	05	27	0027	N06	W03	05	26.8		B	DAO	120	16	8	2
9468		SVTO	05	27	0515	N06	W06	05	26.8		B	DAO	120	18	9	3
9468		TACH	05	27	0547	N05	W07	05	26.7			DAI	177	5	5	2
9468		KAND	05	27	0800	N05	W07	05	26.8			DAO		8	8	3
9468		RAMY	05	27	1220	N06	W10	05	26.8		B	DSO	100	12	7	3
9468	30472	MWIL	05	27	1400	N05	W12	05	26.7	5	(BP)					
9468		HOLL	05	27	1720	N05	W14	05	26.7		B	DAO	40	7	6	2
9468		VORO	05	27	2116	N05	W16	05	26.7			DAI	151	6	4	2
9468		LEAR	05	28	0025	N04	W16	05	26.8		B	DAO	90	11	9	2
9468		SVTO	05	28	0503	N05	W19	05	26.8		B	DAO	100	7	8	3
9468		KAND	05	28	0640	N05	W20	05	26.8			DSO		3	5	3
9468		RAMY	05	28	1233	N05	W23	05	26.8		B	DSO	130	4	7	3
9468	30472	MWIL	05	28	1430	N05	W25	05	26.7	4	(BP)					
9468		HOLL	05	28	1500	N05	W25	05	26.7		B	DAO	90	11	8	3
9468		VORO	05	28	2303	N05	W31	05	26.6			CSO	99	2	4	2
9468		LEAR	05	29	0225	N04	W32	05	26.7		B	CSO	50	5	8	2
9468		SVTO	05	29	0507	N04	W33	05	26.7		B	DAO	60	5	8	2
9468		TACH	05	29	0558	N04	W34	05	26.7			CAO	100	3	5	3
9468		KAND	05	29	0810	N05	W36	05	26.6			CAO		3	6	3
9468		RAMY	05	29	1250	N06	W37	05	26.8		B	CSO	80	2	6	3
9468		HOLL	05	29	1310	N05	W39	05	26.6		B	DSO	70	3	6	2
9468	30472	MWIL	05	29	1415	N05	W39	05	26.7	5	(BP)					
9468		SVTO	05	30	0610	N04	W48	05	26.7		B	DSO	120	6	8	3
9468		TACH	05	30	0615	N05	W51	05	26.4			HSX	100	1	2	3
9468		KAND	05	30	0750	N04	W49	05	26.7			CAO		5	8	3
9468		RAMY	05	30	1205	N06	W54	05	26.5		A	HAX	70	1	2	3
9468	30472	MWIL	05	30	1400	N04	W53	05	26.6	5	(BP)					
9468		HOLL	05	30	1400	N05	W55	05	26.5		B	CAO	110	3	7	3
9468		LEAR	05	31	0030	N05	W61	05	26.4		A	HSX	40	1	2	3
9468		VORO	05	31	0058	N04	W62	05	26.4			HAX	95	1		2
9468		SVTO	05	31	0515	N05	W68	05	26.1		B	DAO	100	2	10	3
9468		KAND	05	31	0815	N04	W65	05	26.5			HS		1	2	3
9468		TACH	05	31	0845	N04	W67	05	26.3			HSX	90	1	1	3
9468	30472	MWIL	05	31	1400	N05	W69	05	26.4	4	(AP)					
9468		HOLL	05	31	1448	N07	W71	05	26.3		B	HAX	90	1	2	3
9468		LEAR	06	01	0015	N06	W75	05	26.5		A	HSX	60	1	2	4
9468		VORO	06	01	0444	N05	W77	05	26.5			HAX	59	1		2
9468		SVTO	06	01	0520	N05	W77	05	26.6		A	HSX	60	1	1	2
9468		TACH	06	01	0715	N04	W78	05	26.6			HSX	50	1	2	2
9468		KAND	06	01	0845	N05	W76	05	26.8			HA		2	3	4
9468		RAMY	06	01	1250	N08	W80	05	26.6		A	HSX	60	1	2	3
9468	30472	MWIL	06	01	1400	N05	W84	05	26.4	4	(AP)					
9468		HOLL	06	01	1432	N07	W82	05	26.6		A	AXX	20	1	1	3
9473		RAMY	05	26	1301	N11	E18	05	27.9		B	BXO	10	2	3	2
9473		HOLL	05	26	1329	N13	E17	05	27.8		B	BXO	10	3	3	3
9473		KAND	05	26	1330	N12	E17	05	27.8			BXO		3	3	3
9473	30482	MWIL	05	26	1430	N12	E16	05	27.8	4	(BF)					
9473		LEAR	05	27	0027	N12	E12	05	27.9		B	BXO	10	2	2	2
9473		SVTO	05	27	0515	N13	E09	05	27.9		A	HSX	10	1	1	3
9473		RAMY	05	27	1220	N12	E06	05	28.0		A	AXX		1		3
9473	30482	MWIL	05	27	1400	N12	E05	05	28.0	3	(AF)					
9473	30482	MWIL	05	29	1415	N08	W27	05	27.6	4	(AF)					
9472	30476	MWIL	05	22	1400	N13	E78	05	28.5	4	(AP)					

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9472		HOLL	05	22	1450	N12	E79	05	28.6		A	AXX	30	1	1	4
9472		VORO	05	23	0002	N12	E71	05	28.3			HRX	46	1		2
9472		LEAR	05	23	0622	N13	E66	05	28.2		B	CRO	20	3	6	1
9472		TACH	05	23	0623	N12	E67	05	28.3			HSX	35	1	1	2
9472		RAMY	05	23	1232	N11	E68	05	28.6		A	HSX	50	1	2	3
9472		SVTO	05	23	1303	N09	E66	05	28.5		A	HSX	50	1	1	2
9472		HOLL	05	23	1330	N13	E66	05	28.5		A	HAX	60	1	2	4
9472	30476	MWIL	05	23	1400	N13	E68	05	28.7	4	(BP)					
9472		LEAR	05	24	0025	N12	E58	05	28.4		A	HSX	40	1	1	2
9472		TACH	05	24	0553	N14	E54	05	28.3			HSX	40	1	1	3
9472		SVTO	05	24	0750	N11	E55	05	28.5		A	HRX	50	1	2	2
9472		RAMY	05	24	1115	N12	E53	05	28.5		A	HSX	30	1	2	2
9472		HOLL	05	24	1315	N13	E53	05	28.5		A	HAX	40	2	2	2
9472	30476	MWIL	05	24	1430	N12	E54	05	28.7	4	(B)					
9472		LEAR	05	25	0120	N12	E46	05	28.5		B	BXO	10	2	1	3
9472		TACH	05	25	0658	N13	E41	05	28.4			HSX	45	1	1	4
9472		RAMY	05	25	1205	N12	E40	05	28.5		A	HSX	20	1	1	3
9472		HOLL	05	25	1312	N13	E38	05	28.4		A	HSX	10	1	1	3
9472	30476	MWIL	05	25	1430	N13	E40	05	28.6	4	(BP)					
9472		LEAR	05	26	0029	N13	E33	05	28.5		A	HAX	20	1	1	1
9472		TACH	05	26	0640	N13	E29	05	28.5			HSX	45	1	1	4
9472		SVTO	05	26	0853	N12	E29	05	28.5		B	CAO	20	2	2	2
9472		RAMY	05	26	1301	N12	E26	05	28.5		A	AXX	10	2	2	2
9472		HOLL	05	26	1329	N13	E26	05	28.5		A	HAX	20	3	2	3
9472	30476	MWIL	05	26	1430	N14	E28	05	28.7	4	(BP)					
9472		VORO	05	26	2327	N12	E20	05	28.5			AXX	9	1		3
9472		LEAR	05	27	0027	N13	E20	05	28.5		B	BXO	20	4	3	2
9472		SVTO	05	27	0515	N12	E18	05	28.6		A	AXX		2	2	3
9472		TACH	05	27	0547	N15	E23	05	29.0			AR	2	2	2	2
9472		RAMY	05	27	1220	N14	E11	05	28.3		B	CSO	20	3	2	3
9472	30476	MWIL	05	27	1400	N15	E20	05	29.1	4	(B)					
9472		HOLL	05	27	1720	N15	E08	05	28.3		B	BXO	20	2	3	2
9472		VORO	05	27	2116	N15	E16	05	29.1			BXO	13	2	1	2
9472		SVTO	05	28	0503	N12	E05	05	28.6		A	AXX	10	2	2	3
9472	30476	MWIL	05	28	1430	N16	E11	05	29.4	3	(AF)					
9472		SVTO	05	29	0507	N13	W08	05	28.6		A	HRX	10	1	1	2
9472		TACH	05	29	0558	N12	W09	05	28.6			AR	11	1	1	3
9472		HOLL	05	29	1310	N13	W11	05	28.7		B	BXO	20	4	5	2
9472		HOLL	05	30	1400	N14	W26	05	28.6		A	AXX		1	1	3
9472		LEAR	05	31	0030	N14	W32	05	28.6		A	AXX		1		3
9483		LEAR	06	01	0015	S23	W45	05	28.6		B	DAO	50	6	3	4
9483		VORO	06	01	0444	S23	W49	05	28.5			CAO	50	4	3	2
9483		SVTO	06	01	0520	S23	W48	05	28.6		B	DAO	60	7	6	2
9483		TACH	06	01	0715	S23	W50	05	28.5			CAO	202	4	4	2
9483		KAND	06	01	0845	S23	W50	05	28.6			DSO		7	6	4
9483		RAMY	06	01	1250	S21	W53	05	28.6		B	DSO	60	5	6	3
9483	30494	MWIL	06	01	1400	S23	W55	05	28.4	4	(B)					
9483		HOLL	06	01	1432	S22	W57	05	28.3		B	DAO	90	9	8	3
9483		VORO	06	01	2112	S23	W59	05	28.4			DAO	52	3	6	2
9483		SVTO	06	02	0520	S23	W64	05	28.4		B	DAO	60	6	8	3
9483		TACH	06	02	0531	S23	W66	05	28.2			HA	105	2	7	3
9483		RAMY	06	02	1229	S22	W67	05	28.5		B	DSO	50	2	7	3
9483	30494	MWIL	06	02	1400	S23	W69	05	28.4	4	(BP)					
9483		HOLL	06	02	1411	S21	W69	05	28.4		B	CAO	70	4	8	4
9483		VORO	06	02	2126	S23	W77	05	28.0			HRX	32	1		2
9483		LEAR	06	03	0025	S22	W72	05	28.6		B	BXO	20	2	8	2
9477	30483	MWIL	05	26	1430	S14	E37	05	29.4	3	(AP)					
9477		VORO	05	26	2327	S15	E31	05	29.3			AXX	11	1		3
9477		LEAR	05	27	0027	S15	E33	05	29.5		B	BXO	20	3	5	2
9477		SVTO	05	27	0515	S16	E30	05	29.5		B	DAO	40	7	5	3
9477		TACH	05	27	0547	S14	E28	05	29.3			BXO	9	2	3	2
9477		KAND	05	27	0800	S14	E29	05	29.5			CSO		6	6	3
9477		RAMY	05	27	1220	S16	E26	05	29.5		B	DSO	40	7	6	3
9477	30483	MWIL	05	27	1400	S15	E25	05	29.5	4	(B)					
9477		HOLL	05	27	1720	S17	E22	05	29.4		B	DAO	40	4	6	2
9477		VORO	05	27	2116	S16	E22	05	29.5			BXI	31	3	5	2
9477		LEAR	05	28	0025	S15	E19	05	29.4		B	CAO	20	7	6	2

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9477		SVTO	05	28	0503	S15	E17	05	29.5		B	DAO	30	4	5	3
9477		KAND	05	28	0640	S15	E17	05	29.6			CRO		5	6	3
9477		RAMY	05	28	1233	S16	E13	05	29.5		B	DSO	30	3	6	3
9477	30483	MWIL	05	28	1430	S15	E12	05	29.5	4	(B)					
9477		HOLL	05	28	1500	S16	E11	05	29.4		B	CSO	40	7	7	3
9477		VORO	05	28	2303	S16	E05	05	29.3			AXX	6	1		2
9477		LEAR	05	29	0225	S16	E02	05	29.2		A	AXX		1		2
9477		SVTO	05	29	0507	S16	E02	05	29.4		A	AXX		1		2
9477		RAMY	06	01	1250	S15	W37	05	29.8		B	BXO		2	1	3
9477	30495	MWIL	06	01	1400	S17	W38	05	29.8	4	(BP)					
9477		HOLL	06	01	1432	S16	W38	05	29.8		B	BXO	10	2	2	3
9477		VORO	06	01	2112	S17	W42	05	29.8			BXO	21	3	2	2
9477		SVTO	06	02	0520	S17	W46	05	29.8		B	CRO	30	6	4	3
9477		TACH	06	02	0531	S18	W47	05	29.7			AR	3	2	3	3
9477	30495	MWIL	06	02	1400	S17	W51	05	29.8	4	(BP)					
9477		HOLL	06	02	1411	S17	W50	05	29.9		B	BXO	10	3	3	4
9478A	30479	MWIL	05	25	1430	N27	E50	05	29.5	3	(B)					
9478A	30479	MWIL	05	26	1430	N28	E36	05	29.4	4	(AP)					
9478		KAND	05	22	0950	N13	E85	05	28.8			HS		1	1	3
9478		KAND	05	23	0830	N13	E68	05	28.5			HR		1	1	1
9478		KAND	05	24	0640	N13	E57	05	28.6			HA		1	2	3
9478		KAND	05	25	0735	N13	E42	05	28.5			HA		1	1	5
9478		KAND	05	26	1330	N13	E26	05	28.5			BXO		2	2	3
9478		LEAR	05	27	0027	N15	E27	05	29.1		B	BXO	20	3	2	2
9478		SVTO	05	27	0515	N13	E22	05	28.9		B	BXO	20	4	10	3
9478		SVTO	05	27	0515	N14	E25	05	29.1		B	BXO		2	3	3
9478		SVTO	05	27	0515	N16	E28	05	29.3		B	DRO	10	2	2	3
9478		KAND	05	27	0800	N15	E24	05	29.1			CAO		3	2	3
9478		LEAR	05	28	0025	N15	E13	05	29.0		B	BXO	10	2	2	2
9478		SVTO	05	28	0503	N12	E15	05	29.3		B	CRO	10	2	3	3
9478		LEAR	05	29	0225	N13	E07	05	29.6		A	AXX		1		2
9478	30487	MWIL	05	29	1415	N13	W08	05	29.0	4	(BP)					
9478	30487	MWIL	05	30	1400	N13	W20	05	29.1	4	(B)					
9478	30487	MWIL	05	31	1400	N17	W32	05	29.1	3	(AF)					
9474		HOLL	05	25	1312	N18	E72	05	31.0		A	AXX	10	1	1	3
9474	30480	MWIL	05	25	1430	N19	E70	05	30.9	4	(B)					
9474		LEAR	05	26	0029	N18	E62	05	30.7		A	HSX	40	1	1	1
9474		SVTO	05	26	0853	N19	E62	05	31.1		B	DAO	50	2	7	2
9474		RAMY	05	26	1301	N18	E58	05	30.9		B	BXO	20	2	3	2
9474		HOLL	05	26	1329	N18	E60	05	31.1		B	BXO	20	5	6	3
9474		KAND	05	26	1330	N20	E58	05	31.0			AX		3	2	3
9474	30480	MWIL	05	26	1430	N20	E58	05	31.0	4	(B)					
9474		VORO	05	26	2327	N19	E52	05	30.9			AXX	41	2		3
9474		LEAR	05	27	0027	N19	E52	05	31.0		B	CAO	30	3	5	2
9474		SVTO	05	27	0515	N18	E51	05	31.1		B	DAO	50	5	6	3
9474		TACH	05	27	0547	N23	E51	05	31.2			HA	61	2	2	2
9474		KAND	05	27	0800	N20	E49	05	31.1			CSO		4	7	3
9474		RAMY	05	27	1220	N20	E48	05	31.2		B	DAO	50	6	7	3
9474	30480	MWIL	05	27	1400	N20	E46	05	31.1	5	(B)					
9474		HOLL	05	27	1720	N17	E47	05	31.3		B	CAO	50	5	7	2
9474		VORO	05	27	2116	N19	E42	05	31.1			CAI	171	5	3	2
9474		LEAR	05	28	0025	N20	E40	05	31.1		B	CAO	30	9	8	2
9474		SVTO	05	28	0503	N19	E37	05	31.0		B	DAO	70	4	5	3
9474		KAND	05	28	0640	N20	E36	05	31.0			CSO		6	4	3
9474		RAMY	05	28	1233	N19	E34	05	31.1		B	CSO	90	4	8	3
9474	30480	MWIL	05	28	1430	N20	E30	05	30.9	5	(BP)					
9474		HOLL	05	28	1500	N18	E35	05	31.3		B	CAO	50	14	8	3
9474		VORO	05	28	2303	N20	E26	05	30.9			HAX	96	5		2
9474		LEAR	05	29	0225	N19	E26	05	31.1		B	CAO	60	12	7	2
9474		SVTO	05	29	0507	N19	E24	05	31.0		B	DAO	90	8	8	2
9474		TACH	05	29	0558	N20	E23	05	31.0			CAI	110	11	5	3
9474		KAND	05	29	0810	N20	E22	05	31.0			CSO		4	3	3
9474		RAMY	05	29	1250	N20	E20	05	31.1		B	DSO	30	4	5	3
9474		HOLL	05	29	1310	N19	E21	05	31.1		B	CAO	60	10	6	2
9474	30480	MWIL	05	29	1415	N20	E20	05	31.1	4	(BP)					
9474		SVTO	05	30	0610	N21	E12	05	31.2		B	DSO	40	8	7	3

S U N S P O T G R O U P S
(Ordered by Central Meridian Passage Date)

MAY 2001

NOAA/ USAF Group	Mt Wilson Group	Sta	Observation Time Mo	Day	(UT)	Lat	CMD	CMP Mo	Day	Max H	Mag Class	Spot Class	Corrected Area (10-6 Hemi)	Spot Count	Long. Extent (Deg)	Qual
9474		TACH	05	30	0615	N20	E08	05	30.9			HSX	30	1	1	3
9474		KAND	05	30	0750	N20	E10	05	31.1			CAO		8	6	3
9474		RAMY	05	30	1205	N20	E06	05	31.0		A	HSX	10	1	1	3
9474	30480	MWIL	05	30	1400	N20	E06	05	31.0	4	(BP)					
9474		HOLL	05	30	1400	N20	E08	05	31.2		B	CSO	30	7	7	3
9474		LEAR	05	31	0030	N20	W02	05	30.9		B	CSO	10	2	1	3
9474		VORO	05	31	0058	N20	E01	05	31.1			BXI	18	4	5	2
9474		SVTO	05	31	0515	N20	W04	05	30.9		A	HAX	10	1	1	3
9474		KAND	05	31	0815	N19	W05	05	31.0			AX		2	1	3
9474		TACH	05	31	0845	N21	W03	05	31.1			BXO	38	4	5	3
9474	30480	MWIL	05	31	1400	N20	W07	05	31.0	5	(BP)					
9474		HOLL	05	31	1448	N20	W08	05	31.0		B	CSO	30	3	2	3
9474		LEAR	06	01	0015	N20	W15	05	31.0		B	CRO	10	2	2	4
9474		VORO	06	01	0444	N20	W17	05	31.0			AXX	7	1		2
9474		SVTO	06	01	0520	N19	W17	05	31.0		A	AXX		1		2
9474		TACH	06	01	0715	N19	W18	05	31.0			AXX	30	1	1	2
9474		KAND	06	01	0845	N19	W18	05	31.0			AX		3	2	4
9474		RAMY	06	01	1250	N21	W21	05	31.0		A	AXX		1		3
9474	30480	MWIL	06	01	1400	N20	W21	05	31.0	4	(AP)					
9474		HOLL	06	01	1432	N21	W22	05	31.0		A	AXX	20	2	1	3
9474		SVTO	06	02	0520	N21	W28	05	31.1		B	BXO		3	5	3
9474		HOLL	06	03	1433	N22	W46	05	31.1		A	AXX	10	1	1	4
9477A	30499	MWIL	06	02	1400	S17	W32	05	31.1	4	(B)					
9477A		VORO	06	02	2126	S16	W35	05	31.2			BXO	21	2	1	2
9477A		LEAR	06	03	0025	S16	W37	05	31.2		B	BXO	10	2	3	2
9477A	30499	MWIL	06	03	1430	S17	W45	05	31.2	3	(AP)					

Stations reporting:

HOLL = Holloman
KAND = Kandilli
LEAR = Learmonth
MWIL = Mt. Wilson
PALE = Palehua
RAMY = Ramey
SVTO = San Vito
TACH = Tashkent
VORO = Voroshilov