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

DECEMBER 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
9716		LEAR	11	25	0025	S06	E82	12	1.1		A	HAX	60	1	3	2
9716		KAND	11	25	0815	S04	E83	12	1.5			HA		1	2	1
9716		RAMY	11	25	1314	S05	E77	12	1.3		B	DAO	50	3	7	3
9716		SVTO	11	25	1315	S03	E78	12	1.4		A	HSX	30	1	1	3
9716	30860	MWIL	11	25	1600	S05	E70	11	30.9	4	(AP)					
9716		LEAR	11	26	0102	S06	E70	12	1.3		B	DSO	50	3	10	3
9716		VORO	11	26	0107	S04	E68	12	1.1			HAX	75	1		2
9716		SVTO	11	26	0733	S04	E66	12	1.2		B	CSO	30	7	8	3
9716	30860	MWIL	11	26	1600	S04	E58	12	1.0	4	(AP)					
9716		RAMY	11	26	1631	S05	E60	12	1.2		B	CSO	40	3	3	3
9716		HOLL	11	26	2000	S04	E58	12	1.2		B	CSO	50	4	4	2
9716		VORO	11	26	2334	S06	E57	12	1.2			DSO	208	3	5	2
9716		LEAR	11	27	0010	S05	E56	12	1.2		B	CSO	70	5	5	4
9716		SVTO	11	27	0718	S04	E52	12	1.2		B	CSO	80	4	4	3
9716		KAND	11	27	0755	S05	E52	12	1.2			CAO		3	2	4
9716		RAMY	11	27	1222	S05	E48	12	1.1		B	DSO	40	2	3	2
9716		HOLL	11	27	2035	S04	E42	12	1.0		A	HSX	50	2	2	2
9716		VORO	11	27	2328	S04	E41	12	1.0			DSO	155	5	1	2
9716		LEAR	11	28	0010	S05	E42	12	1.1		B	CSO	40	5	3	4
9716		KAND	11	28	0835	S04	E40	12	1.3			CSO		3	8	3
9716		RAMY	11	28	1416	S05	E33	12	1.1		B	DAO	60	4	3	3
9716	30860	MWIL	11	28	1600	S04	E32	12	1.0	4	(B)					
9716		HOLL	11	28	1705	S06	E35	12	1.3		B	CSO	70	5	8	3
9716		VORO	11	28	2344	S05	E27	12	1.0			HAX	102	4		2
9716		LEAR	11	29	0015	S05	E27	12	1.0		B	CAO	50	6	3	1
9716		SVTO	11	29	1412	S06	E19	12	1.0		B	CSO	50	5	4	2
9716		RAMY	11	29	1500	S05	E20	12	1.1		B	CSO	30	7	2	1
9716		HOLL	11	29	1655	S06	E21	12	1.3		B	CAO	70	10	8	3
9716		VORO	11	30	0012	S05	E14	12	1.0			HAX	57	4		3
9716		LEAR	11	30	0130	S06	E16	12	1.3		B	DAO	60	5	8	1
9716		SVTO	11	30	0730	S05	E09	12	1.0		B	CAO	40	2	3	3
9716	30860	MWIL	11	30	1715	S05	E04	12	1.0	4	(B)					
9716		LEAR	12	01	0040	S05	E04	12	1.3		B	DSO	50	9	9	3
9716		VORO	12	01	0333	S05	W02	12	1.0			HAX	56	3		3
9716		SVTO	12	01	0826	S05	W05	12	1.0		B	CSO	20	2	2	3
9716		RAMY	12	01	1240	S04	W04	12	1.2		B	CSO	30	2	7	4
9716		HOLL	12	01	1524	S04	W05	12	1.3		B	DAO	30	4	10	3
9716	30860	MWIL	12	01	1545	S04	W07	12	1.1	5	(BG)					
9716		LEAR	12	02	0010	S04	W09	12	1.3		B	DAO	50	7	10	4
9716		VORO	12	02	0014	S05	W14	12	1.0			HAX	40	1		3
9716		SVTO	12	02	0840	S05	W14	12	1.3		B	CSO	40	9	8	2
9716		RAMY	12	02	1223	S05	W17	12	1.2		B	DSO	30	7	9	4
9716	30860	MWIL	12	02	1530	S04	W20	12	1.1	5	BG					
9716		HOLL	12	02	1540	S04	W21	12	1.1		B	DAO	30	10	7	3
9716		VORO	12	02	2342	S05	W25	12	1.1			DSO	70	4	4	2
9716		LEAR	12	03	0100	S05	W24	12	1.2		B	DSO	50	7	7	2
9716		TACH	12	03	0739	S05	W24	12	1.5			BXI	38	5	8	3
9716		SVTO	12	03	0850	S05	W28	12	1.3		B	DAO	80	12	9	2
9716		RAMY	12	03	1228	S05	W30	12	1.3		B	DAO	70	24	8	3
9716		HOLL	12	03	1525	S05	W32	12	1.2		B	DAI	110	27	10	3
9716		VORO	12	03	2345	S04	W36	12	1.3			CRI	107	14	9	2
9716		LEAR	12	04	0108	S06	W37	12	1.3		BG	DAO	80	13	9	2
9716		TACH	12	04	0635	S05	W37	12	1.5			BRI	42	13	7	3
9716		SVTO	12	04	0848	S05	W41	12	1.3		BG	DAO	80	9	9	2
9716		RAMY	12	04	1237	S04	W43	12	1.3		B	DSO	30	8	9	4
9716		HOLL	12	04	1530	S06	W44	12	1.3		B	DAO	80	9	9	2
9716		VORO	12	04	2338	S06	W50	12	1.2			CAI	127	4	4	2
9716		LEAR	12	05	0015	S06	W49	12	1.3		BG	DAO	80	13	8	4
9716		TACH	12	05	0628	S04	W50	12	1.5			BRO	17	7	7	4
9716		RAMY	12	05	1226	S04	W56	12	1.3		B	DSO	70	15	9	3
9716	30860	MWIL	12	05	1530	S05	W56	12	1.4	4	(B)					
9716		HOLL	12	05	1542	S05	W56	12	1.5		B	DSO	50	6	8	3
9716		VORO	12	05	2338	S05	W61	12	1.4			BXI	67	9	8	3
9716		LEAR	12	06	0020	S06	W61	12	1.4		B	DAO	80	8	9	3
9716		SVTO	12	06	0732	S05	W63	12	1.6		A	AXX		1		2
9716		RAMY	12	06	1338	S05	W67	12	1.5		A	AXX	20	2	2	4
9716	30860	MWIL	12	06	1530	S05	W71	12	1.3	4	(B)					
9716		VORO	12	06	2338	S05	W73	12	1.5			AXX	28	1		2
9716		RAMY	12	07	1243	S05	W80	12	1.5		A	AXX	10	1		4

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9716A		VORO	12	01	0333	S09	E16	12	2.3			AXX	19	3	2	3
9716B		VORO	12	05	2338	S22	W43	12	2.7			AXX	4	1		3
9717		SVTO	11	27	0718	N06	E88	12	3.9		A	HKX	180	1	8	3
9717		KAND	11	27	0755	N04	E86	12	3.7			HS		1	2	4
9717		RAMY	11	27	1222	N05	E83	12	3.7		A	HSX	120	1	6	2
9717		HOLL	11	27	2035	N06	E78	12	3.7		A	HAX	180	1	2	2
9717		VORO	11	27	2328	N04	E73	12	3.4			HAX	269	1		2
9717		LEAR	11	28	0010	N04	E76	12	3.7		A	HHX	180	1	3	4
9717		KAND	11	28	0835	N04	E73	12	3.8			CSO		3	15	3
9717		RAMY	11	28	1416	N05	E71	12	3.9		B	EAO	300	2	13	3
9717	30862	MWIL	11	28	1600	N04	E66	12	3.6	5	(B)					
9717		HOLL	11	28	1705	N04	E68	12	3.8		B	CAO	220	2	10	3
9717		VORO	11	28	2344	N04	E66	12	3.9			DSO	577	2	10	2
9717		LEAR	11	29	0015	N04	E65	12	3.9		B	DSO	200	2	8	1
9717		SVTO	11	29	1412	N04	E58	12	3.9		B	EKO	230	2	15	2
9717		RAMY	11	29	1500	N05	E59	12	4.0		B	DSO	280	4	10	1
9717		HOLL	11	29	1655	N04	E55	12	3.8		B	FKO	330	5	16	3
9717		VORO	11	30	0012	N04	E53	12	4.0			DSO	476	5	10	3
9717		LEAR	11	30	0130	N04	E53	12	4.0		BG	EKO	330	4	14	1
9717		SVTO	11	30	0730	N05	E48	12	3.9		B	EKO	310	3	13	3
9717	30862	MWIL	11	30	1715	N04	E41	12	3.8	5	(BP)					
9717		LEAR	12	01	0040	N05	E39	12	3.9		B	DKO	290	5	13	3
9717		VORO	12	01	0333	N04	E38	12	4.0			DSO	440	3	10	3
9717		SVTO	12	01	0826	N03	E33	12	3.8		B	EKO	260	3	14	3
9717		RAMY	12	01	1240	N05	E34	12	4.1		B	EAO	320	3	12	4
9717		HOLL	12	01	1524	N04	E32	12	4.0		B	FAO	210	3	16	3
9717	30862	MWIL	12	01	1545	N05	E29	12	3.8	5	(BP)					
9717		LEAR	12	02	0010	N05	E25	12	3.9		B	EAO	230	5	13	4
9717		VORO	12	02	0014	N04	E26	12	3.9			DSO	262	3	10	3
9717		SVTO	12	02	0840	N05	E21	12	3.9		B	EAO	240	6	14	2
9717		RAMY	12	02	1223	N05	E18	12	3.9		B	EAO	250	8	15	4
9717	30862	MWIL	12	02	1530	N05	E15	12	3.8	5	BP					
9717		HOLL	12	02	1540	N03	E18	12	4.0		B	EKO	200	6	13	3
9717		VORO	12	02	2342	N04	E13	12	3.9			DKO	298	7	10	2
9717		LEAR	12	03	0100	N05	E12	12	3.9		B	EKO	240	12	16	2
9717		TACH	12	03	0739	N05	E03	12	3.5			HA	300	2	2	3
9717		SVTO	12	03	0850	N05	E07	12	3.9		B	EAO	180	7	14	2
9717		RAMY	12	03	1228	N04	E06	12	4.0		B	EKO	210	11	15	3
9717		HOLL	12	03	1525	N04	E03	12	3.9		BG	FAI	220	11	16	3
9717		VORO	12	03	2345	N04	W01	12	3.9			CHO	252	4	11	2
9717		LEAR	12	04	0108	N04	W02	12	3.9		B	EAO	170	5	13	2
9717		TACH	12	04	0635	N06	W11	12	3.4			HA	295	3	3	3
9717		SVTO	12	04	0848	N04	W06	12	3.9		B	EAO	180	7	12	2
9717		RAMY	12	04	1237	N04	W07	12	4.0		B	ESO	170	5	11	4
9717		HOLL	12	04	1530	N04	W14	12	3.6		B	CHO	170	4	4	2
9717		VORO	12	04	2338	N04	W14	12	3.9			CHO	215	3	11	2
9717		LEAR	12	05	0015	N04	W15	12	3.9		B	FSO	160	7	17	4
9717		TACH	12	05	0628	N06	W22	12	3.6			HSX	210	1	2	4
9717		RAMY	12	05	1226	N05	W28	12	3.4		B	CSO	110	2	5	3
9717	30862	MWIL	12	05	1530	N05	W29	12	3.5	5	(AP)					
9717		HOLL	12	05	1542	N05	W28	12	3.5		B	CAO	170	2	5	3
9717		VORO	12	05	2338	N05	W33	12	3.5			HHX	214	2		3
9717		LEAR	12	06	0020	N05	W26	12	4.1		B	CSO	150	5	17	3
9717		SVTO	12	06	0732	N05	W37	12	3.5		B	CAO	120	2	4	2
9717		RAMY	12	06	1338	N05	W42	12	3.4		A	HSX	130	1	2	4
9717	30862	MWIL	12	06	1530	N06	W43	12	3.4	5	(AP)					
9717		VORO	12	06	2338	N05	W47	12	3.5			HSX	200	2		2
9717		LEAR	12	07	0150	N04	W49	12	3.4		A	HSX	80	3	2	1
9717		SVTO	12	07	0715	N05	W52	12	3.4		A	HSX	100	1	2	2
9717		RAMY	12	07	1243	N05	W55	12	3.4		A	HSX	120	1	2	4
9717		HOLL	12	07	1609	N06	W56	12	3.5		A	HSX	110	1	2	2
9717		VORO	12	07	2338	N05	W61	12	3.4			HAX	148	2		3
9717		LEAR	12	08	0120	N05	W62	12	3.4		A	HSX	70	1	2	3
9717		SVTO	12	08	0816	N05	W66	12	3.4		A	HAX	140	1	3	3
9717		RAMY	12	08	1233	N05	W69	12	3.4		A	HSX	100	1	2	3
9717	30862	MWIL	12	08	1600	N06	W70	12	3.4	5	(AP)					
9717		HOLL	12	08	1610	N06	W69	12	3.5		A	HAX	90	1	2	3

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9717		VORO	12	08	2330	N05	W74	12	3.4			HAX	134	1		2
9717		LEAR	12	09	0015	N05	W75	12	3.4		A	HSX	80	1	2	3
9717		SVTO	12	09	0948	N05	W81	12	3.3		A	HSX	60	1	6	2
9717		RAMY	12	09	1251	N05	W82	12	3.4		A	HSX	60	1	3	3
9718		HOLL	11	27	2035	S06	E85	12	4.2		A	HAX	60	6	2	2
9718		VORO	11	27	2328	S06	E80	12	4.0			HAX	289	1		2
9718		LEAR	11	28	0010	S07	E82	12	4.1		A	HAX	70	4	3	4
9718		KAND	11	28	0835	S04	E79	12	4.3			CAO		7	7	3
9718		RAMY	11	28	1416	S06	E75	12	4.2		B	DKI	570	6	10	3
9718	30864	MWIL	11	28	1600	S07	E73	12	4.1	5	(B)					
9718		HOLL	11	28	1705	S07	E74	12	4.2		B	DAI	440	4	10	3
9718		VORO	11	28	2344	S07	E69	12	4.1			DSO	469	6	7	2
9718		LEAR	11	29	0015	S07	E66	12	3.9		B	DAI	360	7	7	1
9718		SVTO	11	29	1412	S07	E63	12	4.3		B	DKI	380	9	9	2
9718		RAMY	11	29	1500	S05	E63	12	4.3		B	EAO	300	15	13	1
9718		HOLL	11	29	1655	S07	E61	12	4.3		BG	EKI	550	16	13	3
9718		VORO	11	30	0012	S07	E57	12	4.3			DSO	559	14	10	3
9718		LEAR	11	30	0130	S08	E54	12	4.1		BGD	EKI	510	13	12	1
9718		SVTO	11	30	0730	S07	E51	12	4.1		B	EKO	490	12	12	3
9718	30864	MWIL	11	30	1715	S07	E45	12	4.1	5	(B)					
9718		LEAR	12	01	0040	S07	E42	12	4.2		BG	EKI	500	18	12	3
9718		VORO	12	01	0333	S07	E41	12	4.2			DSO	594	22	9	3
9718		SVTO	12	01	0826	S07	E38	12	4.2		BG	EKI	500	14	13	3
9718		RAMY	12	01	1240	S06	E36	12	4.2		BG	EKI	610	16	12	4
9718		HOLL	12	01	1524	S08	E33	12	4.1		BG	EKI	530	16	13	3
9718	30864	MWIL	12	01	1545	S07	E34	12	4.2	5	(D)					
9718		LEAR	12	02	0010	S06	E29	12	4.2		BG	EKI	580	31	12	4
9718		VORO	12	02	0014	S07	E29	12	4.2			DSO	766	17	9	3
9718		SVTO	12	02	0840	S07	E24	12	4.1		BG	EKC	630	23	12	2
9718		RAMY	12	02	1223	S05	E23	12	4.2		BGD	EKI	640	22	12	4
9718	30864	MWIL	12	02	1530	S07	E21	12	4.2	5	D *					
9718		HOLL	12	02	1540	S08	E21	12	4.2		BGD	EKI	570	44	11	3
9718		VORO	12	02	2342	S07	E17	12	4.3			DHI	787	18	9	2
9718		LEAR	12	03	0100	S06	E16	12	4.2		BG	EKI	740	28	12	2
9718		TACH	12	03	0739	S06	E11	12	4.1			DAI	753	12	7	3
9718		SVTO	12	03	0850	S07	E11	12	4.2		BG	EKC	440	29	12	2
9718		RAMY	12	03	1228	S08	E09	12	4.2		BG	EKI	640	27	11	3
9718		HOLL	12	03	1525	S06	E07	12	4.2		BG	EKI	730	36	12	3
9718		VORO	12	03	2345	S08	E03	12	4.2			DKI	855	28	8	2
9718		LEAR	12	04	0108	S06	E03	12	4.3		BG	EKI	710	28	12	2
9718		TACH	12	04	0635	S06	W02	12	4.1			DAI	547	26	6	3
9718		SVTO	12	04	0848	S07	W02	12	4.2		B	EKC	760	29	11	2
9718		RAMY	12	04	1237	S07	W05	12	4.1		BG	EKI	580	25	11	4
9718		HOLL	12	04	1530	S08	W06	12	4.2		B	DKI	640	31	10	2
9718		VORO	12	04	2338	S08	W10	12	4.2			DKC	980	28	8	2
9718		LEAR	12	05	0015	S07	W11	12	4.2		BG	EKI	820	35	11	4
9718		TACH	12	05	0628	S05	W14	12	4.2			DAI	723	29	7	4
9718		RAMY	12	05	1226	S07	W18	12	4.2		BG	EKC	620	32	11	3
9718	30864	MWIL	12	05	1530	S07	W19	12	4.2	5	(B)					
9718		HOLL	12	05	1542	S06	W19	12	4.2		B	DAI	500	36	10	3
9718		VORO	12	05	2338	S08	W24	12	4.2			DKC	854	40	9	3
9718		LEAR	12	06	0020	S07	W24	12	4.2		BG	EKI	760	29	11	3
9718		SVTO	12	06	0732	S07	W28	12	4.2		B	DKI	560	16	10	2
9718		RAMY	12	06	1338	S07	W34	12	4.0		BG	EKC	760	23	11	4
9718	30864	MWIL	12	06	1530	S06	W34	12	4.1	5	(B)					
9718		VORO	12	06	2338	S07	W38	12	4.1			DKI	840	28	7	2
9718		LEAR	12	07	0150	S07	W39	12	4.1		BG	DKO	300	16	10	1
9718		SVTO	12	07	0715	S07	W42	12	4.1		BGD	DKI	620	16	10	2
9718		RAMY	12	07	1243	S06	W46	12	4.1		BG	DKO	640	15	9	4
9718		HOLL	12	07	1609	S06	W46	12	4.2		BG	DKC	390	24	10	2
9718		VORO	12	07	2338	S08	W51	12	4.2			DKI	670	22	7	3
9718		LEAR	12	08	0120	S07	W48	12	4.4		BG	FKI	350	13	16	3
9718		SVTO	12	08	0816	S07	W56	12	4.1		BG	DKI	490	14	10	3
9718		RAMY	12	08	1233	S05	W59	12	4.1		BG	DKI	530	18	10	3
9718	30864	MWIL	12	08	1600	S06	W60	12	4.2	5	(B)					
9718		HOLL	12	08	1610	S05	W59	12	4.3		BG	DKC	500	16	9	3
9718		VORO	12	08	2330	S08	W65	12	4.1			DKI	573	11	6	2
9718		LEAR	12	09	0015	S06	W60	12	4.5		B	DKI	460	14	9	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
9718		SVTO	12	09	0948	S07	W70	12	4.2		B	DSO	180	6	9	2
9718		RAMY	12	09	1251	S06	W71	12	4.2		BG	DKO	270	12	10	3
9718		HOLL	12	09	1540	S06	W75	12	4.0		B	DAO	160	8	8	3
9718		VORO	12	09	2342	S07	W78	12	4.1			DKI	505	5	7	2
9718		LEAR	12	10	0015	S06	W76	12	4.3		B	DAO	200	3	8	3
9717A		TACH	12	03	0739	N03	E13	12	4.3			AXX	20	1	1	3
9717A		TACH	12	04	0635	N04	W01	12	4.2			AXX	25	1	1	3
9720		RAMY	11	28	1416	S17	E76	12	4.4		B	BXO	90	3	7	3
9720	30865	MWIL	11	28	1600	S17	E74	12	4.3	4	B					
9720	30863	MWIL	11	28	1600	S18	E70	12	4.0	3	(B)					
9720		HOLL	11	28	1705	S18	E76	12	4.5		B	DAO	200	4	10	3
9720		VORO	11	28	2344	S18	E68	12	4.2			AXX	53	6	3	2
9720		LEAR	11	29	0015	S18	E67	12	4.1		B	DAO	120	3	6	1
9720		SVTO	11	29	1412	S18	E64	12	4.5		B	DSO	90	6	9	2
9720		RAMY	11	29	1500	S16	E63	12	4.4		B	DSO	70	11	9	1
9720		HOLL	11	29	1655	S18	E63	12	4.5		B	EAO	160	12	14	3
9720		LEAR	11	30	0130	S18	E58	12	4.5		BG	EAO	110	7	11	1
9720		SVTO	11	30	0730	S18	E55	12	4.5		B	ERO	80	10	12	3
9720	30863	MWIL	11	30	1715	S18	E48	12	4.4	4	(BP)					
9720		LEAR	12	01	0040	S18	E46	12	4.5		B	DAO	100	16	12	3
9720		VORO	12	01	0333	S17	E41	12	4.3			BXO	46	5	4	3
9720		SVTO	12	01	0826	S18	E42	12	4.5		B	EAO	70	8	12	3
9720		RAMY	12	01	1240	S17	E39	12	4.5		B	ESO	60	11	11	4
9720		HOLL	12	01	1524	S18	E34	12	4.2		B	DAO	70	6	5	3
9720	30863	MWIL	12	01	1545	S17	E35	12	4.3	4	(BP)					
9720		LEAR	12	02	0010	S18	E33	12	4.5		B	EAO	70	15	12	4
9720		VORO	12	02	0014	S17	E28	12	4.1			BXO	38	5	8	3
9720		SVTO	12	02	0840	S18	E26	12	4.3		B	CSO	20	11	7	2
9720		RAMY	12	02	1223	S17	E26	12	4.5		B	CSO	30	9	8	4
9720	30863	MWIL	12	02	1530	S17	E22	12	4.3	4	B					
9720		HOLL	12	02	1540	S18	E23	12	4.4		B	CAO	40	14	9	3
9720		LEAR	12	03	0100	S17	E20	12	4.6		B	CAO	40	6	8	2
9720		TACH	12	03	0739	S17	E13	12	4.3			BXI	25	4	7	3
9720		SVTO	12	03	0850	S18	E13	12	4.3		B	DSO	40	11	8	2
9720		RAMY	12	03	1228	S19	E11	12	4.3		B	DSO	40	14	8	3
9720		HOLL	12	03	1525	S18	E08	12	4.2		B	DAO	40	11	8	3
9720		LEAR	12	04	0108	S18	E04	12	4.3		B	CRO	30	5	5	2
9720		TACH	12	04	0635	S15	W02	12	4.1			BRO	36	3	4	3
9720		SVTO	12	04	0848	S20	E00	12	4.4		B	ESO	30	6	11	2
9720		RAMY	12	04	1237	S22	W02	12	4.4		B	ESO	40	6	11	4
9720		HOLL	12	04	1530	S19	W02	12	4.5		B	CRO	60	10	15	2
9720		LEAR	12	05	0015	S21	W05	12	4.6		B	EAO	80	17	14	4
9720		TACH	12	05	0628	S16	W16	12	4.0			BRI	38	7	1	4
9720		RAMY	12	05	1226	S22	W11	12	4.7		B	DSO	30	10	10	3
9720	30863	MWIL	12	05	1530	S18	W12	12	4.7	4	(B)					
9720	30874	MWIL	12	05	1530	S27	W10	12	4.9	4	(B)					
9720		HOLL	12	05	1542	S22	W10	12	4.9		B	ESO	50	5	11	3
9720		VORO	12	05	2338	S27	W15	12	4.8			BXO	9	3	6	3
9720		LEAR	12	06	0020	S22	W16	12	4.8		B	DSO	50	12	10	3
9720		SVTO	12	06	0732	S27	W18	12	4.9		B	CSO	20	5	7	2
9720		RAMY	12	06	1338	S22	W25	12	4.6		B	DSO	40	8	9	4
9720	30863	MWIL	12	06	1530	S17	W28	12	4.5	4	(BP)					
9720	30874	MWIL	12	06	1530	S27	W22	12	4.9	4	(B)					
9720		LEAR	12	07	0150	S28	W27	12	5.0		B	CSO	20	5	5	1
9720		SVTO	12	07	0715	S28	W31	12	4.9		B	DSO	80	7	9	2
9720		RAMY	12	07	1243	S24	W38	12	4.6		B	DSO	80	11	10	4
9720		HOLL	12	07	1609	S26	W35	12	4.9		B	DAO	80	8	7	2
9720		VORO	12	07	2338	S28	W40	12	4.8			BXI	77	7	7	3
9720		LEAR	12	08	0120	S27	W39	12	5.0		B	CAO	40	6	8	3
9720		SVTO	12	08	0816	S28	W42	12	5.1		B	ESO	110	10	14	3
9720		RAMY	12	08	1233	S26	W48	12	4.8		B	DSO	40	14	9	3
9720	30874	MWIL	12	08	1600	S27	W48	12	4.9	4	(B)					
9720		HOLL	12	08	1610	S28	W50	12	4.8		B	DAO	40	9	9	3
9720		VORO	12	08	2330	S28	W53	12	4.8			CRI	64	10	9	2
9720		LEAR	12	09	0015	S27	W52	12	4.9		B	DAO	70	12	10	3
9720		SVTO	12	09	0948	S29	W54	12	5.2		A	HSX	40	1	1	2
9720		RAMY	12	09	1251	S27	W59	12	4.9		B	DSO	50	6	10	3

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9720		HOLL	12	09	1540	S28	W58	12	5.1		A	AXX	10	2	1	3
9720		LEAR	12	10	0015	S28	W60	12	5.3		A	HSX	10	1	1	3
9728		TACH	12	04	0635	N36	E03	12	4.5			AR	6	2	1	3
9728		SVTO	12	04	0848	N35	E01	12	4.4		B	CRO	20	3	4	2
9728		RAMY	12	04	1237	N36	W01	12	4.4		B	DSO	20	3	3	4
9728		HOLL	12	04	1530	N36	W02	12	4.5		B	BXO	20	4	5	2
9728		VORO	12	04	2338	N36	W07	12	4.4			CAO	42	2	5	2
9728		LEAR	12	05	0015	N35	W08	12	4.4		B	DAO	60	8	6	4
9728		TACH	12	05	0628	N35	W11	12	4.4			CAO	71	4	5	4
9728		RAMY	12	05	1226	N37	W14	12	4.4		B	DSO	40	15	8	3
9728	30873	MWIL	12	05	1530	N36	W15	12	4.4	4	(B)					
9728		HOLL	12	05	1542	N36	W16	12	4.4		B	DSO	80	5	7	3
9728		LEAR	12	06	0020	N35	W21	12	4.3		B	DAO	80	10	8	3
9728		SVTO	12	06	0732	N36	W25	12	4.3		B	DAO	120	7	9	2
9728		RAMY	12	06	1338	N35	W29	12	4.2		B	DSO	100	10	9	4
9728	30873	MWIL	12	06	1530	N36	W29	12	4.3	4	(B)					
9728		VORO	12	06	2338	N36	W33	12	4.3			DAO	136	8	9	2
9728		LEAR	12	07	0150	N36	W35	12	4.3		B	DAO	110	5	10	1
9728		SVTO	12	07	0715	N35	W37	12	4.3		B	EAO	90	4	11	2
9728		RAMY	12	07	1243	N37	W42	12	4.1		B	ESO	110	5	14	4
9728		HOLL	12	07	1609	N36	W41	12	4.4		B	EAO	120	8	11	2
9728		VORO	12	07	2338	N36	W46	12	4.3			DAI	85	3	11	3
9728		LEAR	12	08	0120	N35	W48	12	4.2		B	DSO	60	2	10	3
9728		SVTO	12	08	0816	N36	W51	12	4.2		B	EAO	70	4	12	3
9728		RAMY	12	08	1233	N37	W55	12	4.1		B	ESO	50	6	14	3
9728	30873	MWIL	12	08	1600	N37	W55	12	4.2	4	(B)					
9728		HOLL	12	08	1610	N36	W55	12	4.2		B	EAO	90	5	12	3
9728		LEAR	12	09	0015	N35	W58	12	4.4		B	EAO	70	5	13	3
9728		SVTO	12	09	0948	N35	W59	12	4.7		B	CSO	20	2	10	2
9728		RAMY	12	09	1251	N35	W68	12	4.1		B	ESO	50	6	11	3
9728		HOLL	12	09	1540	N36	W71	12	3.9		A	HSX	60	1	1	3
9728		LEAR	12	10	0015	N35	W77	12	3.8		A	HSX	20	1	2	3
9721	30866	MWIL	11	28	1600	N11	E83	12	4.9	5	AP					
9721		HOLL	11	28	1705	N10	E81	12	4.8		A	HAX	120	1	1	3
9721		VORO	11	28	2344	N11	E80	12	5.0			HAX	128	1		2
9721		LEAR	11	29	0015	N11	E77	12	4.8		A	HAX	120	1	2	1
9721		SVTO	11	29	1412	N12	E74	12	5.2		B	CSO	90	3	4	2
9721		RAMY	11	29	1500	N14	E73	12	5.1		B	CSO	80	3	6	1
9721		HOLL	11	29	1655	N12	E75	12	5.3		B	CAO	180	3	11	3
9721		LEAR	11	30	0130	N12	E65	12	4.9		B	CAO	90	2	4	1
9721		SVTO	11	30	0730	N13	E67	12	5.4		B	DSO	150	3	15	3
9721	30866	MWIL	11	30	1715	N13	E60	12	5.2	5	(BP)					
9721		LEAR	12	01	0040	N13	E57	12	5.3		B	DKO	210	7	15	3
9721		VORO	12	01	0333	N12	E51	12	5.0			HAX	170	4	2	3
9721		SVTO	12	01	0826	N12	E54	12	5.4		B	EAO	140	6	14	3
9721		RAMY	12	01	1240	N13	E46	12	5.0		B	CSO	150	2	5	4
9721		HOLL	12	01	1524	N12	E44	12	4.9		B	CAO	140	2	4	3
9721	30866	MWIL	12	01	1545	N13	E47	12	5.2	5	(BP)					
9721		LEAR	12	02	0010	N13	E45	12	5.4		B	EAO	160	7	15	4
9721		VORO	12	02	0014	N12	E38	12	4.9			HAX	105	1		3
9721		VORO	12	02	0014	N13	E39	12	4.9			AXX	14	1		3
9721		SVTO	12	02	0840	N13	E34	12	4.9		A	HSX	180	2	3	2
9721		RAMY	12	02	1223	N14	E38	12	5.4		B	CSO	180	6	16	4
9721	30866	MWIL	12	02	1530	N13	E30	12	4.9	5	AP					
9721		HOLL	12	02	1540	N11	E30	12	4.9		A	HAX	180	4	3	3
9721		LEAR	12	03	0100	N13	E25	12	4.9		B	CAO	190	4	4	2
9721		TACH	12	03	0739	N11	E20	12	4.8			HX	352	2	3	3
9721		SVTO	12	03	0850	N13	E26	12	5.3		B	CAO	200	6	14	2
9721		RAMY	12	03	1228	N12	E24	12	5.3		B	CAO	170	8	16	3
9721		HOLL	12	03	1525	N13	E17	12	4.9		A	HAX	210	2	3	3
9721		LEAR	12	04	0108	N12	E12	12	4.9		B	CAO	160	2	4	2
9721		TACH	12	04	0635	N12	E06	12	4.7			HSX	300	1	2	3
9721		SVTO	12	04	0848	N12	E14	12	5.4		B	CSO	200	5	14	2
9721		RAMY	12	04	1237	N11	E06	12	5.0		B	CSO	210	2	3	4
9721		HOLL	12	04	1530	N12	E04	12	4.9		A	HHX	180	2	3	2
9721		LEAR	12	05	0015	N12	E04	12	5.3		B	EKO	260	7	13	4
9721		TACH	12	05	0628	N12	W05	12	4.9			HSX	400	1	3	4

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9721		RAMY	12	05	1226	N11	W08	12	4.9		A	HSX	200	1	2	3
9721	30866	MWIL	12	05	1530	N11	W09	12	5.0	5	(AP)					
9721		HOLL	12	05	1542	N11	W08	12	5.0		A	HSX	160	1	2	3
9721		LEAR	12	06	0020	N12	W08	12	5.4		B	CHO	250	8	12	3
9721		SVTO	12	06	0732	N11	W17	12	5.0		A	HKX	200	3	4	2
9721		RAMY	12	06	1338	N11	W22	12	4.9		A	HSX	210	3	2	4
9721	30866	MWIL	12	06	1530	N11	W23	12	4.9	5	(AP)					
9721		LEAR	12	07	0150	N11	W28	12	5.0		A	HAX	100	3	2	1
9721		SVTO	12	07	0715	N11	W31	12	5.0		A	HAX	90	2	2	2
9721		RAMY	12	07	1243	N13	W28	12	5.4		B	CAO	150	5	11	4
9721		HOLL	12	07	1609	N12	W35	12	5.0		B	DAO	140	2	3	2
9721		LEAR	12	08	0120	N11	W41	12	5.0		B	DSO	90	2	2	3
9721		SVTO	12	08	0816	N10	W44	12	5.0		B	DAO	140	3	4	3
9721		RAMY	12	08	1233	N12	W46	12	5.0		B	DAO	70	5	4	3
9721	30866	MWIL	12	08	1600	N11	W48	12	5.0	5	(AP)					
9721		HOLL	12	08	1610	N11	W49	12	5.0		B	DAO	120	5	3	3
9721		LEAR	12	09	0015	N12	W48	12	5.4		B	DAO	140	4	10	3
9721		SVTO	12	09	0948	N11	W58	12	5.0		B	DAO	110	2	3	2
9721		RAMY	12	09	1251	N11	W60	12	5.0		B	DAO	80	3	3	3
9721		HOLL	12	09	1540	N11	W61	12	5.1		B	DSO	100	2	3	3
9721		VORO	12	09	2342	N11	W70	12	4.7			CAO	341	2	1	2
9721		LEAR	12	10	0015	N12	W65	12	5.1		B	DSO	80	2	4	3
9721		TACH	12	10	0625	N10	W68	12	5.1			HH	70	2	2	2
9721		SVTO	12	10	0955	N10	W73	12	4.9		B	DSO	120	2	3	2
9721		RAMY	12	10	1157	N11	W74	12	4.9		B	DSO	90	2	4	4
9721	30866	MWIL	12	10	1600	N12	W77	12	4.9	4	(AP)					
9721		HOLL	12	10	2040	N13	W79	12	4.9		B	DAO	120	2	3	2
9721		LEAR	12	11	0245	N11	W82	12	4.9		B	DSO	60	2	4	2
9721		TACH	12	11	0526	N10	W81	12	5.1			AR	6	2	2	3
9723		SVTO	12	01	0826	S10	E53	12	5.3		A	HRX	20	1	1	3
9723		RAMY	12	01	1240	S08	E52	12	5.4		A	HSX	20	1	1	4
9723		HOLL	12	01	1524	S09	E49	12	5.3		A	HSX	20	1	1	3
9723	30868	MWIL	12	01	1545	S09	E49	12	5.3	4	(AP)					
9723		LEAR	12	02	0010	S06	E44	12	5.3		B	CSO	30	3	3	4
9723		SVTO	12	02	0840	S06	E39	12	5.3		B	BXO	10	3	4	2
9723		RAMY	12	02	1223	S04	E36	12	5.2		B	CSO	20	2	3	4
9723	30868	MWIL	12	02	1530	S06	E35	12	5.3	3	B					
9723		HOLL	12	02	1540	S09	E35	12	5.3		B	CSO	20	6	7	3
9723		HOLL	12	03	1525	S04	E20	12	5.1		A	AXX	10	2	2	3
9723		VORO	12	03	2345	S05	E16	12	5.2			BXO	21	2	3	2
9723		LEAR	12	04	0108	S05	E15	12	5.2		B	CAO	30	5	3	2
9723		TACH	12	04	0635	S03	E11	12	5.1			AXX	6	4	2	3
9723		SVTO	12	04	0848	S05	E11	12	5.2		B	DSO	50	6	4	2
9723		RAMY	12	04	1237	S05	E09	12	5.2		B	DSO	30	5	4	4
9723		HOLL	12	04	1530	S06	E07	12	5.2		B	DRO	30	4	4	2
9723		LEAR	12	05	0015	S05	E02	12	5.1		B	DAO	40	7	5	4
9723		TACH	12	05	0628	S02	W02	12	5.1			BRI	12	6	5	4
9723		RAMY	12	05	1226	S04	W04	12	5.2		B	CSO	30	9	7	3
9723	30868	MWIL	12	05	1530	S04	W06	12	5.2	4	(B)					
9723		HOLL	12	05	1542	S04	W07	12	5.1		B	DAO	40	5	6	3
9723		VORO	12	05	2338	S04	W11	12	5.2			BXI	35	7	6	3
9723		LEAR	12	06	0020	S05	W12	12	5.1		B	DSO	40	8	6	3
9723		SVTO	12	06	0732	S04	W15	12	5.2		B	DSO	30	6	8	2
9723		RAMY	12	06	1338	S04	W21	12	5.0		B	DSO	40	7	5	4
9723	30868	MWIL	12	06	1530	S04	W22	12	5.0	4	(B)					
9723		VORO	12	06	2338	S04	W23	12	5.3			AXX	12	2		2
9723		LEAR	12	07	0150	S04	W23	12	5.3		B	BXO	10	2	1	1
9723		RAMY	12	07	1243	S04	W33	12	5.1		B	BXO	20	8	6	4
9723		HOLL	12	07	1609	S05	W34	12	5.1		B	DSO	90	2	6	2
9723		SVTO	12	08	0816	S05	W46	12	4.9		B	DSO	40	2	5	3
9723		RAMY	12	08	1233	S04	W47	12	5.0		B	DSO	20	4	6	3
9723	30868	MWIL	12	08	1600	S04	W50	12	4.9	5	(B)					
9723		HOLL	12	08	1610	S03	W51	12	4.9		B	DSO	60	2	5	3
9723		LEAR	12	09	0015	S04	W54	12	5.0		B	DSO	40	4	6	3
9723		SVTO	12	09	0948	S05	W61	12	4.8		B	DRO	40	2	4	2
9723		RAMY	12	09	1251	S05	W61	12	5.0		B	CSO	20	3	4	3
9723		HOLL	12	09	1540	S05	W65	12	4.8		B	CSO	50	2	6	3
9723		LEAR	12	10	0015	S05	W68	12	4.9		A	HSX	10	1	1	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
9729		TACH	12	05	0628	N23	E10	12	6.0			AR	6	2	2	4
9729		RAMY	12	05	1226	N24	E09	12	6.2		B	CSO	30	6	4	3
9729	30875	MWIL	12	05	1530	N24	E07	12	6.2	4	(B)					
9729		HOLL	12	05	1542	N23	E08	12	6.3		B	DAO	50	6	4	3
9729		VORO	12	05	2338	N24	E03	12	6.2			BXI	38	7	4	3
9729		LEAR	12	06	0020	N24	E02	12	6.2		B	DSO	40	4	5	3
9729		SVTO	12	06	0732	N24	W03	12	6.1		B	DSO	20	2	5	2
9729		RAMY	12	06	1338	N23	W06	12	6.1		B	BXO	10	3	6	4
9729	30875	MWIL	12	06	1530	N24	W06	12	6.2	4	(B)					
9729		LEAR	12	07	0150	N24	W12	12	6.1		B	DSO	20	2	6	1
9729		SVTO	12	07	0715	N23	W13	12	6.3		A	HRX	10	1		2
9729		RAMY	12	07	1243	N23	W16	12	6.3		A	AXX	10	1		4
9729		HOLL	12	07	1609	N23	W17	12	6.4		B	CAO	40	2	3	2
9729		VORO	12	07	2338	N23	W21	12	6.4			AXX	2	1		3
9724		SVTO	12	01	0826	N09	E82	12	7.5		A	HSX	60	1	6	3
9724		RAMY	12	01	1240	N10	E79	12	7.5		A	HSX	60	1	1	4
9724		HOLL	12	01	1524	N08	E78	12	7.5		A	HSX	90	1	2	3
9724	30869	MWIL	12	01	1545	N09	E76	12	7.4	4	(AP)					
9724		LEAR	12	02	0010	N09	E72	12	7.4		A	HAX	70	1	2	4
9724		VORO	12	02	0014	N09	E72	12	7.4			HAX	98	1		3
9724		SVTO	12	02	0840	N09	E68	12	7.5		A	HSX	40	1	1	2
9724		RAMY	12	02	1223	N11	E65	12	7.4		A	HSX	40	1	2	4
9724	30869	MWIL	12	02	1530	N09	E64	12	7.4	4	AP					
9724		HOLL	12	02	1540	N08	E62	12	7.3		A	HSX	40	1	2	3
9724		LEAR	12	03	0100	N09	E58	12	7.4		A	HSX	40	1	2	2
9724		TACH	12	03	0739	N09	E53	12	7.3			HSX	55	1	2	3
9724		SVTO	12	03	0850	N11	E55	12	7.5		B	CSO	70	2	4	2
9724		RAMY	12	03	1228	N09	E52	12	7.4		A	HSX	50	1	2	3
9724		HOLL	12	03	1525	N11	E51	12	7.5		B	CAO	70	4	3	3
9724		VORO	12	03	2345	N10	E47	12	7.5			HSX	112	2	1	2
9724		LEAR	12	04	0108	N10	E45	12	7.4		B	CSO	70	4	3	2
9724		TACH	12	04	0635	N12	E37	12	7.1			CSO	51	3	1	3
9724		SVTO	12	04	0848	N10	E41	12	7.4		A	HSX	80	3	3	2
9724		RAMY	12	04	1237	N09	E39	12	7.4		B	CSO	30	3	3	4
9724		HOLL	12	04	1530	N09	E37	12	7.4		B	CAO	70	6	3	2
9724		VORO	12	04	2338	N10	E33	12	7.5			HSX	97	3	0	2
9724		LEAR	12	05	0015	N10	E32	12	7.4		B	DSO	60	3	3	4
9724		TACH	12	05	0628	N11	E26	12	7.2			CSO	85	2	1	4
9724		RAMY	12	05	1226	N10	E25	12	7.4		B	CSO	50	3	3	3
9724	30869	MWIL	12	05	1530	N10	E24	12	7.4	5	(AP)					
9724		HOLL	12	05	1542	N09	E24	12	7.4		B	DSO	70	2	3	3
9724		LEAR	12	06	0020	N10	E19	12	7.4		B	DSO	60	3	3	3
9724		SVTO	12	06	0732	N09	E16	12	7.5		B	DSO	50	3	5	2
9724		RAMY	12	06	1338	N10	E11	12	7.4		B	CSO	30	2	3	4
9724	30869	MWIL	12	06	1530	N10	E10	12	7.4	5	(AP)					
9724		LEAR	12	07	0150	N10	E03	12	7.3		A	CSO	30	2	1	1
9724		SVTO	12	07	0715	N10	E02	12	7.4		B	DSO	60	3	4	2
9724		RAMY	12	07	1243	N10	W01	12	7.4		B	DSO	60	7	3	4
9724		HOLL	12	07	1609	N10	W02	12	7.5		B	DAO	90	9	5	2
9724		LEAR	12	08	0120	N09	W09	12	7.4		B	CSO	20	3	2	3
9724		SVTO	12	08	0816	N11	W11	12	7.5		B	CSO	70	8	7	3
9724		RAMY	12	08	1233	N10	W14	12	7.5		B	CSO	30	4	4	3
9724	30869	MWIL	12	08	1600	N10	W17	12	7.4	5	(AP)					
9724		HOLL	12	08	1610	N09	W16	12	7.5		A	HSX	40	3	3	3
9724		LEAR	12	09	0015	N09	W22	12	7.3		A	HSX	50	1	2	3
9724		SVTO	12	09	0948	N09	W27	12	7.4		A	HAX	40	2	2	2
9724		RAMY	12	09	1251	N10	W23	12	7.8		B	CSO	30	4	14	3
9724		HOLL	12	09	1540	N10	W30	12	7.4		A	HSX	20	1	1	3
9724		LEAR	12	10	0015	N10	W34	12	7.4		A	HSX	40	1	1	3
9724		TACH	12	10	0625	N10	W36	12	7.6			AXX	25	1	1	2
9724		SVTO	12	10	0955	N09	W40	12	7.4		A	HSX	30	1	2	2
9724		RAMY	12	10	1157	N09	W42	12	7.3		A	HSX	10	1	1	4
9724	30869	MWIL	12	10	1600	N10	W44	12	7.4	4	(AP)					
9724		HOLL	12	10	2040	N11	W47	12	7.3		A	HAX	30	1	1	2
9724		LEAR	12	11	0245	N08	W50	12	7.4		A	HSX	20	1	2	2
9724		TACH	12	11	0526	N08	W50	12	7.5			AXX	25	1	1	3
9724		RAMY	12	11	1157	N08	W56	12	7.3		A	HSX	40	1	1	4
9724		HOLL	12	11	2115	N09	W59	12	7.4		A	HSX	80	1	1	2

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9724		LEAR	12	12	0135	N09	W63	12	7.3		A	HSX	20	1	2	3
9724		TACH	12	12	0639	N10	W63	12	7.5			AXX	15	1	1	4
9724		SVTO	12	12	0845	N08	W67	12	7.3		A	HSX	20	1	1	2
9724	30869	MWIL	12	12	1530	N09	W70	12	7.4	4	(AP)					
9724		HOLL	12	12	1553	N10	W71	12	7.3		A	AXX	40	1	1	2
9724		LEAR	12	13	0017	N09	W75	12	7.4		A	AXX	10	1	1	3
9726		SVTO	12	02	0840	S16	E76	12	8.1		B	DSO	90	2	4	2
9726		RAMY	12	02	1223	S14	E75	12	8.2		B	DSO	60	2	3	4
9726	30871	MWIL	12	02	1530	S16	E72	12	8.1	5	AP					
9726		HOLL	12	02	1540	S18	E72	12	8.1		B	DAO	90	2	5	3
9726		VORO	12	02	2342	S14	E68	12	8.1			AXX	21	1		3
9726		VORO	12	02	2342	S18	E70	12	8.3			HAX	66	1		3
9726		LEAR	12	03	0100	S15	E67	12	8.1		B	CAO	70	2	3	2
9726		TACH	12	03	0739	S15	E62	12	8.0			CSO	55	2	3	3
9726		SVTO	12	03	0850	S16	E63	12	8.1		B	DSO	90	2	5	2
9726		RAMY	12	03	1228	S16	E62	12	8.2		B	CSO	40	3	3	3
9726		HOLL	12	03	1525	S15	E59	12	8.1		B	CSO	90	2	3	3
9726		LEAR	12	04	0108	S15	E54	12	8.1		B	CSO	60	2	3	2
9726		TACH	12	04	0635	S13	E46	12	7.7			CSO	42	2	2	3
9726		SVTO	12	04	0848	S16	E50	12	8.1		B	DSO	90	5	5	2
9726		RAMY	12	04	1237	S17	E48	12	8.2		B	CSO	40	5	3	4
9726		HOLL	12	04	1530	S17	E45	12	8.1		B	CAO	80	6	6	2
9726		VORO	12	04	2338	S17	E43	12	8.2			HSX	104	1		2
9726		VORO	12	04	2354	S13	E48	12	8.6			AXX	4	1		3
9726		LEAR	12	05	0015	S15	E42	12	8.2		B	DAO	70	4	3	4
9726		RAMY	12	05	1226	S16	E35	12	8.2		B	CSO	50	6	6	3
9726	30871	MWIL	12	05	1530	S17	E33	12	8.1	5	(AP)					
9726		HOLL	12	05	1542	S17	E33	12	8.2		B	DSO	70	6	5	3
9726		VORO	12	05	2338	S17	E30	12	8.3			HSX	78	1		3
9726		LEAR	12	06	0020	S15	E28	12	8.1		B	DSO	60	2	3	3
9726		SVTO	12	06	0732	S18	E25	12	8.2		A	HSX	40	1	2	2
9726		RAMY	12	06	1338	S17	E21	12	8.2		B	CSO	90	4	3	4
9726	30871	MWIL	12	06	1530	S16	E19	12	8.1	5	(BP)					
9726		LEAR	12	07	0150	S15	E15	12	8.2		BG	DSO	50	6	4	1
9726		SVTO	12	07	0715	S14	E12	12	8.2		B	DSO	80	6	6	2
9726		RAMY	12	07	1243	S17	E09	12	8.2		B	DSO	80	8	4	4
9726		HOLL	12	07	1609	S16	E07	12	8.2		B	DAO	90	8	5	2
9726		LEAR	12	08	0120	S16	E03	12	8.3		B	DSO	40	3	4	3
9726		SVTO	12	08	0816	S17	W02	12	8.2		B	DAO	100	7	10	3
9726		RAMY	12	08	1233	S18	W04	12	8.2		B	DSO	40	12	6	3
9726	30871	MWIL	12	08	1600	S16	W05	12	8.3	4	(BP)					
9726		HOLL	12	08	1610	S16	W05	12	8.3		B	DAO	80	8	4	3
9726		LEAR	12	09	0015	S16	W09	12	8.3		B	DAO	60	16	6	3
9726		SVTO	12	09	0948	S16	W15	12	8.3		B	CSO	30	4	4	2
9726		RAMY	12	09	1251	S16	W17	12	8.2		B	DSO	30	7	5	3
9726		HOLL	12	09	1540	S16	W18	12	8.3		B	CSO	20	3	4	3
9726		LEAR	12	10	0015	S16	W25	12	8.1		B	DSO	50	9	9	3
9726		TACH	12	10	0625	S14	W25	12	8.4			AXX	3	1	1	2
9726		SVTO	12	10	0955	S16	W30	12	8.1		A	AXX	10	1	1	2
9726		RAMY	12	10	1157	S17	W31	12	8.1		B	BXO	10	3	3	4
9726	30871	MWIL	12	10	1600	S14	W33	12	8.2	3	(AP)					
9726A	30877	MWIL	12	06	1530	S25	E22	12	8.3	3	(AP)					
9735		LEAR	12	10	0015	N10	W21	12	8.4		B	DSO	20	2	4	3
9735		TACH	12	10	0625	N10	W24	12	8.5			BXO	3	2	4	2
9735		SVTO	12	10	0955	N10	W27	12	8.4		A	AXX	20	4	6	2
9735		RAMY	12	10	1157	N10	W28	12	8.4		B	BXO	10	2	3	4
9735	30881	MWIL	12	10	1600	N10	W31	12	8.3	4	(B)					
9735		HOLL	12	10	2040	N11	W33	12	8.4		B	BXO	10	5	4	2
9735		LEAR	12	12	0135	N05	W49	12	8.4		B	BXO	20	2	2	3
9736		TACH	12	05	0628	S10	E53	12	9.2			HSX	70	1	2	4
9736		RAMY	12	10	1157	S09	W21	12	8.9		B	BXO	10	3	3	4
9736	30882	MWIL	12	10	1600	S09	W24	12	8.9	4	(AF)					
9736		HOLL	12	10	2040	S08	W27	12	8.8		A	AXX	10	4	2	2
9736		LEAR	12	11	0245	S10	W30	12	8.9		B	DAO	20	3	2	2
9736		TACH	12	11	0526	S08	W31	12	8.9			AR	3	2	1	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
9736		RAMY	12	11	1157	S10	W37	12	8.7		B	DSO	30	8	6	4
9736		HOLL	12	11	2115	S09	W39	12	8.9		B	CAO	30	5	5	2
9736		LEAR	12	12	0135	S10	W44	12	8.7		B	DSO	50	7	7	3
9736		TACH	12	12	0639	S09	W42	12	9.1			CSO	41	2	5	4
9736		SVTO	12	12	0845	S09	W46	12	8.9		B	DAO	60	6	8	2
9736	30882	MWIL	12	12	1530	S10	W51	12	8.8	4	(BG)					
9736		HOLL	12	12	1553	S08	W51	12	8.8		B	CAI	70	7	9	2
9736		LEAR	12	13	0017	S10	W56	12	8.8		B	DAO	90	5	6	3
9736		VORO	12	13	0052	S09	W61	12	8.4			HAX	84	1		2
9736		RAMY	12	13	1254	S11	W64	12	8.7		B	DSO	90	8	7	3
9736		HOLL	12	13	1525	S08	W65	12	8.8		B	DSO	90	4	7	2
9736	30882	MWIL	12	13	1545	S10	W65	12	8.8	4	(B)					
9736		LEAR	12	14	0014	S09	W70	12	8.7		B	DAO	90	4	9	3
9736		RAMY	12	14	1247	S11	W79	12	8.6		B	CSO	60	2	8	2
9736		HOLL	12	14	1544	S10	W76	12	8.9		B	BXO	30	3	2	3
9727	30872	MWIL	12	02	1530	S22	E83	12	9.0	4	AP					
9727		VORO	12	02	2342	S21	E82	12	9.3			HAX	38	1		3
9727		LEAR	12	03	0100	S22	E78	12	9.0		B	CAO	80	2	3	2
9727		TACH	12	03	0739	S21	E77	12	9.2			HSX	50	1	3	3
9727		SVTO	12	03	0850	S22	E78	12	9.4		A	HSX	120	2	2	2
9727		RAMY	12	03	1228	S23	E75	12	9.3		B	CSO	120	3	5	3
9727		HOLL	12	03	1525	S21	E71	12	9.1		A	HSX	130	2	2	3
9727		LEAR	12	04	0108	S22	E66	12	9.1		B	CAO	180	3	3	2
9727		TACH	12	04	0635	S19	E58	12	8.7			HA	150	2	4	3
9727		SVTO	12	04	0848	S22	E64	12	9.3		B	CAO	290	8	7	2
9727		RAMY	12	04	1237	S23	E64	12	9.4		B	CKO	200	3	8	4
9727		HOLL	12	04	1530	S22	E58	12	9.1		B	CKO	300	10	10	2
9727		VORO	12	04	2338	S21	E53	12	9.0			HKX	462	6		2
9727		LEAR	12	05	0015	S21	E55	12	9.2		B	DKO	360	16	8	4
9727		TACH	12	05	0628	S19	E49	12	9.0			CAI	587	8	6	4
9727		RAMY	12	05	1226	S22	E48	12	9.2		B	DKO	300	13	7	3
9727	30872	MWIL	12	05	1530	S21	E46	12	9.2	5	(D)					
9727		HOLL	12	05	1542	S21	E46	12	9.2		B	DKO	290	13	8	3
9727		VORO	12	05	2338	S21	E41	12	9.1			HKX	495	18		3
9727		LEAR	12	06	0020	S21	E42	12	9.2		BGD	DKO	390	17	9	3
9727		SVTO	12	06	0732	S21	E37	12	9.1		B	DKO	390	10	8	2
9727		RAMY	12	06	1338	S22	E34	12	9.2		B	DKI	420	10	8	4
9727	30872	MWIL	12	06	1530	S22	E31	12	9.0	5	(BG)					
9727		LEAR	12	07	0150	S22	E28	12	9.2		BGD	DAO	190	8	3	1
9727		SVTO	12	07	0715	S21	E24	12	9.1		BD	DKC	440	6	6	2
9727		RAMY	12	07	1243	S23	E22	12	9.2		B	CKO	480	8	5	4
9727		HOLL	12	07	1609	S22	E20	12	9.2		BG	DKC	420	12	7	2
9727		LEAR	12	08	0120	S21	E16	12	9.3		BGD	DKO	370	11	5	3
9727		SVTO	12	08	0816	S21	E11	12	9.2		BGD	DKO	380	9	8	3
9727		RAMY	12	08	1233	S21	E08	12	9.1		B	DKI	400	25	9	3
9727	30872	MWIL	12	08	1600	S21	E08	12	9.3	5	(D)					
9727		HOLL	12	08	1610	S23	E08	12	9.3		BG	DKI	350	35	8	3
9727		LEAR	12	09	0015	S22	E04	12	9.3		BGD	DKI	440	25	10	3
9727		SVTO	12	09	0948	S21	W03	12	9.2		B	DKI	370	11	9	2
9727		RAMY	12	09	1251	S20	W04	12	9.2		B	DKI	380	29	7	3
9727		HOLL	12	09	1540	S19	W06	12	9.2		BG	DAC	270	24	9	3
9727		LEAR	12	10	0015	S21	W10	12	9.2		BGD	EKI	380	42	13	3
9727		TACH	12	10	0625	S18	W14	12	9.2			DAI	592	17	7	2
9727		SVTO	12	10	0955	S21	W17	12	9.1		BGD	DKI	600	30	9	2
9727		RAMY	12	10	1157	S21	W18	12	9.1		B	DKI	640	22	10	4
9727	30872	MWIL	12	10	1600	S20	W21	12	9.1	5	(D)					
9727		HOLL	12	10	2040	S19	W24	12	9.0		BGD	EKC	560	33	11	2
9727		LEAR	12	11	0245	S22	W26	12	9.1		BGD	EKC	620	27	11	2
9727		TACH	12	11	0526	S18	W26	12	9.2			DAI	606	17	8	3
9727		RAMY	12	11	1157	S22	W30	12	9.2		B	FKI	570	23	16	4
9727		HOLL	12	11	2115	S18	W38	12	9.0		BGD	EKC	520	30	11	2
9727		LEAR	12	12	0135	S21	W39	12	9.1		BGD	DKC	540	23	10	3
9727		TACH	12	12	0639	S18	W38	12	9.4			DAI	643	10	8	4
9727		SVTO	12	12	0845	S22	W44	12	9.0		BGD	EKI	560	21	13	2
9727	30872	MWIL	12	12	1530	S20	W46	12	9.1	5	(D)					
9727		HOLL	12	12	1553	S19	W48	12	9.0		BGD	EKC	740	26	12	2
9727		LEAR	12	13	0017	S21	W53	12	8.9		BGD	EKI	640	34	12	3
9727		RAMY	12	13	1254	S22	W60	12	8.9		B	EKI	560	23	12	3

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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
9727		HOLL	12	13	1525	S20	W62	12	8.9		BGD	EKC	700	12	11	2
9727	30872	MWIL	12	13	1545	S22	W62	12	8.9	5	(D)					
9727		LEAR	12	14	0014	S21	W66	12	8.9		BGD	EKI	680	19	14	3
9727		RAMY	12	14	1247	S22	W73	12	8.9		BG	EKO	380	11	12	2
9727		HOLL	12	14	1544	S21	W70	12	9.3		BGD	DKI	530	6	9	3
9727		LEAR	12	15	0010	S22	W75	12	9.2		BGD	EKI	390	4	12	4
9727		KAND	12	15	1025	S22	W83	12	9.0			DAO		2	5	2
9727		SVTO	12	15	1100	S22	W80	12	9.3		B	EAO	180	3	11	2
9730		HOLL	12	04	1530	S13	E67	12	9.7		A	AXX	10	1	1	2
9730		LEAR	12	05	0015	S12	E62	12	9.7		A	HAX	20	2	1	4
9730		RAMY	12	05	1226	S13	E56	12	9.7		B	CRO	20	2	4	3
9730	30876	MWIL	12	05	1530	S13	E52	12	9.6	4	(AP)					
9730		HOLL	12	05	1542	S13	E53	12	9.6		A	AXX	10	1	1	3
9730		LEAR	12	06	0020	S12	E47	12	9.5		B	CSO	20	2	3	3
9730		SVTO	12	06	0732	S13	E43	12	9.5		A	AXX		1		2
9731		VORO	12	05	2338	N24	E51	12	9.9			AXX	35	4		3
9731		LEAR	12	06	0020	N25	E48	12	9.7		B	CSO	20	4	3	3
9731		SVTO	12	06	0732	N24	E45	12	9.8		B	DSO	60	3	4	2
9731		RAMY	12	06	1338	N24	E42	12	9.8		B	DSO	50	4	3	4
9731	30878	MWIL	12	06	1530	N24	E40	12	9.7	4	(B)					
9731		LEAR	12	07	0150	N25	E34	12	9.7		B	CAO	20	3	5	1
9731		SVTO	12	07	0715	N24	E31	12	9.7		B	CRO	20	4	5	2
9731		RAMY	12	07	1243	N24	E29	12	9.8		B	DSO	20	2	5	4
9731		HOLL	12	07	1609	N23	E28	12	9.8		B	DAO	50	2	6	2
9731		VORO	12	07	2338	N24	E21	12	9.6			AXX	10	1		3
9731		LEAR	12	08	0120	N25	E19	12	9.5		A	HSX	20	1	2	3
9731		SVTO	12	08	0816	N25	E17	12	9.7		B	CRO	20	3	5	3
9731		RAMY	12	08	1233	N25	E16	12	9.8		B	BXO	10	3	6	3
9731	30878	MWIL	12	08	1600	N25	E14	12	9.7	4	(BP)					
9731		HOLL	12	08	1610	N23	E13	12	9.7		B	DSO	20	3	5	3
9731		VORO	12	08	2330	N25	E10	12	9.7			BXI	14	3	5	2
9731		LEAR	12	09	0015	N25	E08	12	9.6		B	DAO	30	8	6	3
9731		SVTO	12	09	0948	N24	E03	12	9.6		B	BXO	10	2	4	2
9731		RAMY	12	09	1251	N25	E03	12	9.8		B	BXO	10	5	6	3
9731		HOLL	12	09	1540	N24	W02	12	9.5		A	AXX	10	1	1	3
9731A		HOLL	12	08	1610	S27	E19	12	10.1		A	AXX	10	2	2	3
9731A		LEAR	12	09	0015	S25	E15	12	10.2		A	AXX	10	3	2	3
9732		VORO	12	06	2338	N04	E77	12	12.7			HAX	54	1		2
9732		LEAR	12	07	0150	N04	E74	12	12.6		A	HSX	30	1	2	1
9732		SVTO	12	07	0715	N04	E72	12	12.7		B	CAO	80	2	7	2
9732		RAMY	12	07	1243	N03	E70	12	12.8		B	CSO	80	2	8	4
9732		HOLL	12	07	1609	N03	E69	12	12.8		B	DSO	80	3	7	2
9732		LEAR	12	08	0120	N06	E63	12	12.8		B	CSO	40	2	9	3
9732		SVTO	12	08	0816	N04	E59	12	12.7		B	ESO	100	4	11	3
9732		RAMY	12	08	1233	N04	E57	12	12.8		B	CSO	80	6	9	3
9732	30879	MWIL	12	08	1600	N03	E54	12	12.7	4	(BP)					
9732		HOLL	12	08	1610	N02	E58	12	13.0		B	DAO	100	7	9	3
9732		VORO	12	08	2330	N04	E51	12	12.8			CAO	89	2	9	2
9732		LEAR	12	09	0015	N04	E50	12	12.7		B	DAO	90	7	10	3
9732		SVTO	12	09	0948	N04	E45	12	12.8		B	DSO	70	2	9	2
9732		RAMY	12	09	1251	N05	E43	12	12.7		B	CSO	40	4	9	3
9732		HOLL	12	09	1540	N02	E38	12	12.5		B	CSO	60	3	3	3
9732		VORO	12	09	2342	N03	E33	12	12.4			HAX	131	1		2
9732		LEAR	12	10	0015	N03	E34	12	12.5		A	HSX	30	3	2	3
9732		TACH	12	10	0625	N04	E25	12	12.1			HSX	50	1	1	2
9732		SVTO	12	10	0955	N04	E28	12	12.5		A	HSX	40	1	2	2
9732		RAMY	12	10	1157	N04	E25	12	12.4		A	HSX	40	1	1	4
9732	30879	MWIL	12	10	1600	N03	E26	12	12.6	5	(BP)					
9732		HOLL	12	10	2040	N03	E20	12	12.3		B	CAO	80	4	3	2
9732		LEAR	12	11	0245	N04	E17	12	12.4		A	HSX	60	1	2	2
9732		TACH	12	11	0526	N04	E12	12	12.1			HSX	60	1	1	3
9732		RAMY	12	11	1157	N04	E15	12	12.6		B	CSO	60	2	7	4
9732		HOLL	12	11	2115	N03	E08	12	12.5		A	HSX	40	2	2	2
9732		LEAR	12	12	0135	N02	E05	12	12.4		B	CAO	50	2	2	3
9732		TACH	12	12	0639	N04	E01	12	12.3			HA	61	2	1	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
9732		SVTO	12	12	0845	N05	E04	12	12.7		B	CSO	80	6	8	2
9732	30879	MWIL	12	12	1530	N03	W01	12	12.6	5	(BP)					
9732		HOLL	12	12	1553	N05	E01	12	12.7		B	CSI	120	7	9	2
9732		LEAR	12	13	0017	N04	W05	12	12.6		BG	DAO	90	9	8	3
9732		VORO	12	13	0052	N05	W03	12	12.8			AXX	14	1		2
9732		RAMY	12	13	1254	N04	W13	12	12.6		B	CSO	50	6	8	3
9732		HOLL	12	13	1525	N03	W14	12	12.6		B	CAO	80	3	4	2
9732	30879	MWIL	12	13	1545	N03	W15	12	12.5	5	(BP)					
9732		LEAR	12	14	0014	N03	W22	12	12.4		A	HSX	60	1	2	3
9732		RAMY	12	14	1247	N03	W27	12	12.5		B	CSO	50	3	5	2
9732		HOLL	12	14	1544	N04	W28	12	12.6		A	HSX	70	1	2	3
9732		LEAR	12	15	0010	N03	W36	12	12.3		A	HSX	50	1	2	4
9732		KAND	12	15	1025	N03	W41	12	12.4			HS		1	2	2
9732		SVTO	12	15	1100	N03	W42	12	12.3		A	HSX	50	1	2	2
9732		HOLL	12	15	1733	N03	W46	12	12.3		A	HSX	60	1	1	2
9732	30879	MWIL	12	15	2200	N02	W48	12	12.3	4	(AP)					
9732		LEAR	12	16	0105	N02	W50	12	12.3		A	HSX	30	1	2	3
9732		TACH	12	16	0639	N03	W49	12	12.6			HSX	50	1	2	3
9732		RAMY	12	16	1417	N01	W57	12	12.3		A	HSX	70	1	1	2
9732	30879	MWIL	12	16	1545	N02	W57	12	12.4	4	(AP)					
9732		HOLL	12	16	1911	N03	W59	12	12.4		A	HSX	80	1	1	2
9732		LEAR	12	17	0010	N02	W62	12	12.4		A	HSX	60	1	2	3
9732		HOLL	12	17	1600	N03	W71	12	12.4		A	HSX	110	1	2	3
9732	30879	MWIL	12	17	1615	N02	W71	12	12.4	4	(AP)					
9732		LEAR	12	18	0120	N02	W76	12	12.4		A	HSX	30	1	2	3
9732		TACH	12	18	0826	N03	W80	12	12.4			HSX	25	1	1	3
9732		RAMY	12	18	1217	S01	W86	12	12.1		A	HSX	30	1	3	2
9732A		HOLL	12	12	1553	N17	E09	12	13.3		A	AXX	20	2	2	2
9739		RAMY	12	13	1254	S13	E03	12	13.8		B	BXO	10	3	3	3
9739		HOLL	12	13	1525	S13	E02	12	13.8		B	CSO	20	2	3	2
9739	30887	MWIL	12	13	1545	S13	E02	12	13.8	4	(B)					
9739		LEAR	12	14	0014	S13	W03	12	13.8		B	DSO	30	9	6	3
9739		VORO	12	14	0309	S13	W05	12	13.7			CSO	89	4	5	2
9739		RAMY	12	14	1247	S13	W10	12	13.8		B	DAO	50	9	7	2
9739		HOLL	12	14	1544	S14	W10	12	13.9		B	DAI	90	9	7	3
9739		LEAR	12	15	0010	S13	W17	12	13.7		B	DAO	100	16	9	4
9739		KAND	12	15	1025	S13	W22	12	13.8			DSO		14	8	2
9739		SVTO	12	15	1100	S13	W23	12	13.7		B	DAO	130	19	9	2
9739		HOLL	12	15	1733	S13	W27	12	13.7		B	DSI	130	14	8	2
9739	30887	MWIL	12	15	2200	S14	W28	12	13.8	5	(B)					
9739		LEAR	12	16	0105	S13	W31	12	13.7		B	DAO	130	21	10	3
9739		VORO	12	16	0346	S13	W32	12	13.7			DSO	362	12	7	2
9739		TACH	12	16	0639	S12	W30	12	14.0			DAI	226	10	6	3
9739		RAMY	12	16	1417	S14	W38	12	13.7		B	DSO	420	8	8	2
9739	30887	MWIL	12	16	1545	S13	W39	12	13.7	5	(B)					
9739		HOLL	12	16	1911	S13	W41	12	13.7		B	DAO	360	13	9	2
9739		VORO	12	16	2352	S14	W44	12	13.7			DSO	460	8	7	2
9739		LEAR	12	17	0010	S14	W44	12	13.7		B	DAO	360	17	9	3
9739		HOLL	12	17	1600	S12	W53	12	13.7		BG	DKI	520	16	10	3
9739	30887	MWIL	12	17	1615	S13	W52	12	13.7	5	(B)					
9739		LEAR	12	18	0120	S14	W57	12	13.7		B	DAO	390	15	10	3
9739		TACH	12	18	0826	S12	W59	12	13.9			DAI	412	8	7	3
9739		RAMY	12	18	1217	S16	W63	12	13.7		BG	EKO	420	13	11	2
9739	30887	MWIL	12	18	1530	S14	W65	12	13.7	5	(B)					
9739		HOLL	12	18	1925	S12	W66	12	13.8		BG	EAI	520	9	10	2
9739		TACH	12	19	0625	S13	W74	12	13.7			DSO	110	3	10	2
9739		SVTO	12	19	0940	S14	W76	12	13.6		B	ESO	300	5	11	2
9739		RAMY	12	19	1244	S17	W78	12	13.6		B	ESO	150	4	13	2
9739		LEAR	12	19	1300	S14	W70	12	14.2		B	EAO	350	11	12	2
9739		HOLL	12	19	1545	S12	W80	12	13.6		B	EAI	290	6	11	2
9739	30887	MWIL	12	19	1545	S14	W79	12	13.7	4	(B)					
9739		TACH	12	20	0714	S15	W82	12	14.1			HSX	30	1	1	3
9739		LEAR	12	20	1345	S14	W79	12	14.6		B	DAO	50	2	2	2
9733		RAMY	12	07	1243	N12	E83	12	13.8		A	HSX	60	1	7	4
9733		HOLL	12	07	1609	N11	E90	12	14.4		A	AXX	60	1	3	2
9733		VORO	12	07	2338	N14	E80	12	14.0			HAX	125	1		3

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9733		LEAR	12	08	0120	N14	E76	12	13.8		A	HAX	30	1	1	3
9733		SVTO	12	08	0816	N14	E78	12	14.2		B	EAO	240	5	12	3
9733		RAMY	12	08	1233	N13	E75	12	14.2		B	EAO	230	19	12	3
9733	30880	MWIL	12	08	1600	N13	E74	12	14.2	5	(B)					
9733		LEAR	12	09	0015	N14	E70	12	14.3		B	EAI	300	19	14	3
9733		SVTO	12	09	0948	N13	E66	12	14.4		B	EAI	240	15	14	2
9733		RAMY	12	09	1251	N13	E64	12	14.4		B	ESI	300	24	14	3
9733		HOLL	12	09	1540	N14	E62	12	14.3		BG	FKI	310	25	17	3
9733		VORO	12	09	2342	N14	E57	12	14.3			DAI	755	19	11	2
9733		LEAR	12	10	0015	N14	E58	12	14.4		B	EAI	320	28	15	3
9733		TACH	12	10	0625	N16	E48	12	13.9			DAI	289	11	12	2
9733		SVTO	12	10	0955	N14	E51	12	14.3		BG	FSI	270	39	16	2
9733		RAMY	12	10	1157	N15	E50	12	14.3		BG	EAI	360	21	12	4
9733	30880	MWIL	12	10	1600	N13	E47	12	14.2	5	(D)					
9733		HOLL	12	10	2040	N13	E45	12	14.2		BG	EKI	500	28	14	2
9733		VORO	12	10	2326	N14	E43	12	14.2			DAI	672	27	12	2
9733		LEAR	12	11	0245	N15	E44	12	14.4		BG	EAI	500	31	13	2
9733		TACH	12	11	0526	N16	E34	12	13.8			DAI	408	12	10	3
9733		RAMY	12	11	1157	N15	E37	12	14.3		BG	EAI	440	25	13	4
9733		HOLL	12	11	2115	N11	E32	12	14.3		BGD	EKC	480	44	15	2
9733		LEAR	12	12	0135	N14	E30	12	14.3		BG	EKI	550	34	13	3
9733		TACH	12	12	0639	N14	E23	12	14.0			DSI	323	11	10	4
9733		SVTO	12	12	0845	N14	E27	12	14.4		BG	EAI	480	49	15	2
9733	30880	MWIL	12	12	1530	N13	E22	12	14.3	5	(D)					
9733		HOLL	12	12	1553	N14	E21	12	14.2		BGD	EKC	650	47	13	2
9733		LEAR	12	13	0017	N14	E17	12	14.3		BGD	EKI	560	41	14	3
9733		RAMY	12	13	1254	N14	E09	12	14.2		BG	EKC	520	53	15	3
9733		HOLL	12	13	1525	N13	E08	12	14.2		BGD	FKC	350	42	16	2
9733	30880	MWIL	12	13	1545	N13	E08	12	14.2	5	(BG)					
9733		LEAR	12	14	0014	N14	E03	12	14.2		BG	EKC	500	49	15	3
9733		RAMY	12	14	1247	N14	W05	12	14.1		BG	EAC	420	47	15	2
9733		HOLL	12	14	1544	N14	W06	12	14.2		BGD	EAI	410	73	14	3
9733		LEAR	12	15	0010	N14	W10	12	14.2		BGD	EKC	520	73	14	4
9733		KAND	12	15	1025	N15	W14	12	14.4			FSI		30	16	2
9733		SVTO	12	15	1100	N15	W17	12	14.2		B	FAO	500	48	17	2
9733		HOLL	12	15	1733	N15	W18	12	14.4		BG	EAI	190	35	13	2
9733	30880	MWIL	12	15	2200	N13	W22	12	14.2	5	(B)					
9733		LEAR	12	16	0105	N14	W23	12	14.3		BGD	EAI	160	47	15	3
9733		TACH	12	16	0639	N14	W24	12	14.5			DAI	373	17	12	3
9733		RAMY	12	16	1417	N13	W33	12	14.1		BG	EAI	390	26	14	2
9733	30880	MWIL	12	16	1545	N14	W30	12	14.4	5	(BG)					
9733		HOLL	12	16	1911	N15	W34	12	14.2		BG	EAI	440	67	15	2
9733		LEAR	12	17	0010	N14	W36	12	14.3		BG	EAI	360	44	15	3
9733		HOLL	12	17	1600	N15	W44	12	14.3		B	EAI	480	43	13	3
9733	30880	MWIL	12	17	1615	N14	W45	12	14.3	5	(BG)					
9733		LEAR	12	18	0120	N14	W50	12	14.3		BG	EAI	330	27	14	3
9733		TACH	12	18	0826	N14	W54	12	14.3			DAI	258	10	11	3
9733		RAMY	12	18	1217	N11	W57	12	14.2		B	EAI	200	25	14	2
9733	30880	MWIL	12	18	1530	N14	W58	12	14.3	5	(BG)					
9733		HOLL	12	18	1925	N15	W59	12	14.3		B	EAI	390	26	14	2
9733		TACH	12	19	0625	N13	W64	12	14.4			DAI	85	4	8	2
9733		SVTO	12	19	0940	N13	W68	12	14.3		BG	ESI	360	14	12	2
9733		RAMY	12	19	1244	N09	W73	12	14.0		B	EAO	300	3	12	2
9733		LEAR	12	19	1300	N14	W73	12	14.0		BG	EAI	430	30	14	2
9733	30880	MWIL	12	19	1545	N13	W75	12	14.0	5	(BG)					
9733		HOLL	12	19	1545	N16	W72	12	14.2		B	DAI	160	12	10	2
9733		TACH	12	20	0714	N12	W77	12	14.5			DSO	220	2	7	3
9733		SVTO	12	20	0743	N13	W76	12	14.6		B	DAO	90	2	7	3
9733		KAND	12	20	0810	N13	W77	12	14.5			HR		1	2	3
9733		LEAR	12	20	1345	N13	W75	12	14.9		BG	DAI	200	11	10	2
9733		RAMY	12	20	1459	N10	W80	12	14.6		A	HSX	60	1	1	3
9733		HOLL	12	20	1507	N14	W78	12	14.7		B	CAO	70	4	3	3
9737		SVTO	12	10	0955	S27	E59	12	15.0		A	AXX	10	1	1	2
9737		RAMY	12	10	1157	S27	E59	12	15.1		B	BXO	10	2	3	4
9737	30883	MWIL	12	10	1600	S27	E54	12	14.9	4	(B)					
9737		HOLL	12	10	2040	S28	E52	12	14.9		B	BXO	20	4	4	2
9737		VORO	12	10	2326	S28	E51	12	15.0			CSO	82	2	3	2
9737		LEAR	12	11	0245	S26	E50	12	15.0		B	DAO	40	4	4	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
9737		TACH	12	11	0526	S24	E44	12	14.6			BRI	7	4	5	3
9737		RAMY	12	11	1157	S27	E45	12	15.0		B	DSO	40	5	6	4
9737		HOLL	12	11	2115	S28	E38	12	14.8		B	DSO	60	7	4	2
9737		LEAR	12	12	0135	S28	E38	12	15.0		B	DAO	100	9	6	3
9737		TACH	12	12	0639	S25	E32	12	14.7			BRI	49	3	4	4
9737		SVTO	12	12	0845	S28	E34	12	15.0		B	DSO	40	6	7	2
9737	30883	MWIL	12	12	1530	S28	E31	12	15.1	4	(B)					
9737		HOLL	12	12	1553	S27	E29	12	14.9		B	CAO	100	8	5	2
9737		LEAR	12	13	0017	S28	E27	12	15.1		B	DAO	50	6	9	3
9737		VORO	12	13	0052	S28	E25	12	15.0			CSO	84	6	7	2
9737		RAMY	12	13	1254	S28	E19	12	15.0		B	DSO	20	7	6	3
9737		HOLL	12	13	1525	S28	E16	12	14.9		B	DSO	30	5	7	2
9737	30883	MWIL	12	13	1545	S28	E17	12	15.0	4	(BP)					
9737		LEAR	12	14	0014	S28	E13	12	15.0		B	DSO	40	5	7	3
9737		VORO	12	14	0309	S27	E12	12	15.1			BXO	77	8	5	2
9737		RAMY	12	14	1247	S28	E06	12	15.0		B	DSO	40	7	6	2
9737		HOLL	12	14	1544	S27	E03	12	14.9		B	CAO	30	11	7	3
9737		LEAR	12	15	0010	S28	E00	12	15.0		B	DAO	70	7	7	4
9737		KAND	12	15	1025	S27	W04	12	15.1			DSO		4	5	2
9737		SVTO	12	15	1100	S26	W03	12	15.2		B	DAO	70	6	10	2
9737		HOLL	12	15	1733	S27	W08	12	15.1		B	DAO	70	4	5	2
9737	30883	MWIL	12	15	2200	S28	W10	12	15.1	4	(B)					
9737		LEAR	12	16	0105	S28	W12	12	15.1		B	DAO	30	5	5	3
9737		TACH	12	16	0639	S22	W15	12	15.1			BXO	45	2	10	3
9737		RAMY	12	16	1417	S28	W19	12	15.1		B	DSO	30	2	6	2
9737	30883	MWIL	12	16	1545	S27	W20	12	15.1	4	(BF)					
9737		HOLL	12	16	1911	S27	W23	12	15.0		B	DSO	50	5	6	2
9737		LEAR	12	17	0010	S28	W24	12	15.1		B	DAO	40	3	5	3
9737		HOLL	12	17	1600	S27	W33	12	15.1		B	DAO	50	3	7	3
9737	30883	MWIL	12	17	1615	S27	W34	12	15.0	4	(BP)					
9737		LEAR	12	18	0120	S27	W41	12	14.9		A	HSX	20	1	1	3
9737		RAMY	12	18	1217	S29	W45	12	15.0		A	AXX	10	1	1	2
9737	30883	MWIL	12	18	1530	S27	W48	12	14.9	3	(AP)					
9737		HOLL	12	18	1925	S26	W51	12	14.8		A	AXX	20	1		2
9737		RAMY	12	21	1305	S29	W83	12	15.0		A	HSX	10	1	1	4
9734		RAMY	12	09	1251	S12	E86	12	16.0		A	HSX	30	1	2	3
9734		HOLL	12	09	1540	S12	E85	12	16.0		B	CAO	70	2	10	3
9734		VORO	12	09	2342	S12	E75	12	15.6			HAX	116	1		2
9734		LEAR	12	10	0015	S12	E79	12	16.0		A	HSX	40	1	3	3
9734		TACH	12	10	0625	S10	E71	12	15.6			HSX	35	1	2	2
9734		SVTO	12	10	0955	S12	E73	12	15.9		A	CSO	30	2	3	2
9734		RAMY	12	10	1157	S12	E70	12	15.8		A	HSX	20	1	2	4
9734	30884	MWIL	12	10	1600	S12	E69	12	15.9	4	(AP)					
9734		HOLL	12	10	2040	S13	E66	12	15.8		A	HSX	50	1	1	2
9734		LEAR	12	11	0245	S11	E62	12	15.8		A	HAX	20	1	2	2
9734		TACH	12	11	0526	S09	E57	12	15.5			HSX	45	1	1	3
9734		RAMY	12	11	1157	S12	E58	12	15.9		A	HSX	30	1	1	4
9734		HOLL	12	11	2115	S13	E52	12	15.8		A	HAX	30	1	2	2
9734		VORO	12	12	0045	S12	E50	12	15.8			HAX	35	1		2
9734		LEAR	12	12	0135	S13	E50	12	15.8		B	CSO	30	2	2	3
9734		TACH	12	12	0639	S11	E43	12	15.5			AXX	5	1	1	4
9734		SVTO	12	12	0845	S12	E47	12	15.9		B	CSO	30	2	3	2
9734	30884	MWIL	12	12	1530	S13	E42	12	15.8	4	(AP)					
9734		HOLL	12	12	1553	S12	E42	12	15.8		A	HAX	30	1	1	2
9734		LEAR	12	13	0017	S13	E38	12	15.9		A	HSX	20	1	1	3
9734		VORO	12	13	0052	S13	E37	12	15.8			HAX	20	1		2
9734		RAMY	12	13	1254	S12	E30	12	15.8		A	HSX	10	1	1	3
9734		HOLL	12	13	1525	S12	E28	12	15.7		A	HSX	20	1	1	2
9734	30884	MWIL	12	13	1545	S13	E29	12	15.8	4	(AP)					
9734		LEAR	12	14	0014	S12	E23	12	15.7		A	HSX	10	1	1	3
9734		RAMY	12	14	1247	S14	E21	12	16.1		A	AXX	10	1	1	2
9734		LEAR	12	15	0010	S14	E14	12	16.1		B	CRO	20	7	5	4
9734		KAND	12	15	1025	S14	E08	12	16.0			BXO		4	4	2
9734		SVTO	12	15	1100	S13	E07	12	16.0		B	DAO	20	2	3	2
9734		HOLL	12	15	1733	S15	E04	12	16.0		B	CAO	30	2	4	2
9734		HOLL	12	16	1911	S15	W07	12	16.3		A	AXX	10	2	2	2
9734		HOLL	12	17	1600	S15	W19	12	16.2		B	BXO	20	2	3	3
9734		LEAR	12	18	0120	S16	W24	12	16.2		A	AXX	10	3	2	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
9737B		HOLL	12	17	1600	S28	W21	12	16.0		B	BXO	20	3	3	3
9737B	30894	MWIL	12	17	1615	S29	W21	12	16.0	4	(AP)					
9737B		LEAR	12	22	0015	S30	W76	12	16.0		B	CSO	30	5	5	4
9737A		LEAR	12	11	0245	N19	E62	12	15.8		A	AXX	20	1	1	2
9737A		HOLL	12	12	1553	N19	E45	12	16.1		A	AXX	10	1		2
9750		SVTO	12	21	0915	S16	W56	12	17.1		B	CSO	40	2	4	3
9750		KAND	12	21	0940	S16	W58	12	17.0			CSO		2	4	4
9750		RAMY	12	21	1305	S16	W58	12	17.1		B	DSO	30	4	5	4
9750		HOLL	12	21	1600	S14	W61	12	17.0		B	DSO	50	3	4	3
9750		LEAR	12	22	0015	S16	W64	12	17.1		B	DSO	40	5	6	4
9750		SVTO	12	22	0748	S16	W69	12	17.1		B	BXO	20	2	7	2
9750		HOLL	12	22	1520	S13	W74	12	17.0		B	BXO	40	2	8	2
9750	30902	MWIL	12	22	1600	S15	W73	12	17.1	4	B					
9750		LEAR	12	23	0105	S16	W74	12	17.4		B	DRO	50	2	3	2
9738		LEAR	12	12	0135	S22	E78	12	18.1		A	AXX	20	1	2	3
9738		TACH	12	12	0639	S16	E69	12	17.5			AXX	5	1	1	4
9738		SVTO	12	12	0845	S18	E76	12	18.1		B	DSO	40	2	7	2
9738	30885	MWIL	12	12	1530	S17	E67	12	17.7	4	AF					
9738	30886	MWIL	12	12	1530	S22	E71	12	18.1	4	AP					
9738		HOLL	12	12	1553	S21	E70	12	18.0		B	CAO	100	3	6	2
9738		LEAR	12	13	0017	S19	E66	12	18.0		B	DAO	50	3	7	3
9738		VORO	12	13	0052	S22	E69	12	18.3			HAX	88	1		2
9738		RAMY	12	13	1254	S19	E59	12	18.0		B	DAO	60	3	10	3
9738		HOLL	12	13	1525	S20	E57	12	18.0		B	DSO	90	2	7	2
9738	30885	MWIL	12	13	1545	S17	E54	12	17.7	4	(AF)					
9738	30886	MWIL	12	13	1545	S22	E61	12	18.3	5	(AP)					
9738		LEAR	12	14	0014	S19	E53	12	18.0		B	ESO	60	5	11	3
9738		RAMY	12	14	1247	S20	E46	12	18.0		B	ESO	40	7	12	2
9738		HOLL	12	14	1544	S22	E44	12	18.0		B	DAI	60	10	11	3
9738		LEAR	12	15	0010	S18	E40	12	18.0		B	EAO	50	10	11	4
9738		VORO	12	15	0039	S21	E43	12	18.3			BXO	53	5	1	2
9738		KAND	12	15	1025	S18	E35	12	18.1			BXO		13	10	2
9738		SVTO	12	15	1100	S18	E33	12	18.0		B	FAO	80	21	16	2
9738		HOLL	12	15	1733	S19	E31	12	18.1		B	ESI	50	9	12	2
9738	30885	MWIL	12	15	2200	S16	E26	12	17.9	4	(AF)					
9738	30886	MWIL	12	15	2200	S21	E33	12	18.4	4	(B)					
9738		LEAR	12	16	0105	S19	E27	12	18.1		B	ESO	20	10	12	3
9738		VORO	12	16	0346	S20	E25	12	18.1			DSO	67	4	10	2
9738		TACH	12	16	0639	S12	E20	12	17.8			BRO	37	3	7	3
9738		TACH	12	16	0639	S18	E27	12	18.3			BXO	8	2	1	3
9738		RAMY	12	16	1417	S19	E20	12	18.1		B	ESO	50	6	12	2
9738	30885	MWIL	12	16	1545	S15	E15	12	17.8	5	(BG)					
9738	30886	MWIL	12	16	1545	S22	E23	12	18.4	4	(BG)					
9738		HOLL	12	16	1911	S18	E17	12	18.1		B	CSO	60	20	13	2
9738		LEAR	12	17	0010	S18	E14	12	18.1		BG	EAO	100	13	14	3
9738		HOLL	12	17	1600	S18	E04	12	18.0		B	FAO	140	22	18	3
9738	30885	MWIL	12	17	1615	S15	E01	12	17.7	5	(BP)					
9738	30896	MWIL	12	17	1615	S23	E10	12	18.4	4	(AP)					
9738		LEAR	12	18	0120	S18	E00	12	18.0		BG	EAO	100	19	15	3
9738		TACH	12	18	0826	S12	W07	12	17.8			BRO	29	5	8	3
9738		RAMY	12	18	1217	S19	W06	12	18.0		B	DSO	40	14	10	2
9738	30885	MWIL	12	18	1530	S16	W09	12	18.0	4	(BG)					
9738	30896	MWIL	12	18	1530	S21	W03	12	18.4	4	(AF)					
9738		HOLL	12	18	1925	S17	W12	12	17.9		B	CAO	60	7	9	2
9738		TACH	12	19	0625	S15	W13	12	18.3			AXX	5	1	1	2
9738		SVTO	12	19	0940	S18	W15	12	18.3		B	DRO	40	7	6	2
9738		RAMY	12	19	1244	S19	W16	12	18.3		B	CSO	20	5	4	2
9738		LEAR	12	19	1300	S20	W13	12	18.5		BG	EAO	60	11	12	2
9738	30896	MWIL	12	19	1545	S17	W21	12	18.1	4	(B)					
9738		HOLL	12	19	1545	S18	W19	12	18.2		B	CAO	20	7	4	2
9738	30885	MWIL	12	19	1545	S19	W23	12	17.9	4	(BG)					
9738		TACH	12	20	0714	S16	W26	12	18.3			AXX	30	1	1	3
9738		SVTO	12	20	0743	S19	W26	12	18.3		B	CRO	10	2	4	3
9738		KAND	12	20	0810	S16	W27	12	18.3			AX		1		3
9738		LEAR	12	20	1345	S18	W27	12	18.5		BG	DAO	30	6	13	2
9738		RAMY	12	20	1459	S18	W32	12	18.2		B	BXO	20	2	3	3

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9738		HOLL	12	20	1507	S16	W31	12	18.3		B	CSO	20	4	3	3
9738		LEAR	12	21	0025	S18	W43	12	17.7		B	CSO	20	7	18	2
9738		SVTO	12	21	0915	S16	W46	12	17.9		B	CSO	40	2	4	3
9738		RAMY	12	21	1305	S17	W45	12	18.1		B	BXO	10	2	3	4
9738		HOLL	12	21	1600	S14	W51	12	17.8		B	DSO	50	3	4	3
9738		RAMY	12	22	1913	S14	W66	12	17.8		B	BXO	30	2	9	3
9740		RAMY	12	13	1254	S05	E61	12	18.1		B	CSO	30	3	3	3
9740		HOLL	12	13	1525	S07	E60	12	18.1		A	AXX	10	1	1	2
9740	30888	MWIL	12	13	1545	S06	E60	12	18.1	4	(B)					
9740		LEAR	12	14	0014	S06	E55	12	18.1		A	HSX	10	1	1	3
9738A	30897	MWIL	12	19	1545	N04	W12	12	18.7	4	(B)					
9744		VORO	12	16	0346	S06	E33	12	18.6			AXX	11	1		2
9744		TACH	12	16	0639	S04	E34	12	18.8			BXO	21	2	3	3
9744		RAMY	12	16	1417	S06	E29	12	18.8		A	HSX	20	1	1	2
9744	30891	MWIL	12	16	1545	S06	E28	12	18.7	4	(AP)					
9744		HOLL	12	16	1911	S06	E27	12	18.8		B	CAO	30	6	4	2
9744		LEAR	12	17	0010	S06	E25	12	18.9		B	CAO	30	3	4	3
9744		HOLL	12	17	1600	S06	E14	12	18.7		B	CAO	20	3	2	3
9744	30891	MWIL	12	17	1615	S05	E14	12	18.7	4	(AP)					
9744		VORO	12	18	0007	S07	E11	12	18.8			CSO	33	3	2	2
9744		LEAR	12	18	0120	S05	E09	12	18.7		A	HSX	20	2	2	3
9744		RAMY	12	18	1217	S04	E03	12	18.7		B	CSO	20	5	3	2
9744	30891	MWIL	12	18	1530	S05	E01	12	18.7	4	(AP)					
9744		HOLL	12	18	1925	S07	E00	12	18.8		B	BXO	20	2	6	2
9744		LEAR	12	19	1300	S11	W12	12	18.6		A	HSX	30	5	5	2
9741		RAMY	12	13	1254	N07	E78	12	19.4		B	BXO	10	3	2	3
9741		HOLL	12	13	1525	N07	E77	12	19.4		A	AXX	10	1	1	2
9741	30889	MWIL	12	13	1545	N06	E74	12	19.2	4	(AP)					
9741		LEAR	12	14	0014	N06	E69	12	19.2		A	HSX	10	1	1	3
9741		VORO	12	14	0309	N05	E68	12	19.2			AXX	23	1		2
9741		RAMY	12	14	1247	N07	E61	12	19.1		B	CSO	20	2	3	2
9741		HOLL	12	14	1544	N06	E61	12	19.2		A	AXX	10	2	2	3
9741		LEAR	12	15	0010	N06	E55	12	19.1		A	HRX	20	1	1	4
9741		KAND	12	15	1025	N05	E52	12	19.3			BXO		7	4	2
9741		SVTO	12	15	1100	N05	E51	12	19.3		B	DRO	50	6	6	2
9741		HOLL	12	15	1733	N04	E46	12	19.2		B	BXO	10	2	3	2
9741	30889	MWIL	12	15	2200	N05	E43	12	19.1	4	(AP)					
9741		LEAR	12	16	0105	N05	E41	12	19.1		B	CSO	10	2	2	3
9741		VORO	12	16	0346	N05	E39	12	19.1			AXX	13	1		2
9741		TACH	12	16	0639	N06	E36	12	19.0			AR	6	2	2	3
9741		RAMY	12	16	1417	N06	E36	12	19.3		B	DSO	40	4	6	2
9741	30889	MWIL	12	16	1545	N05	E33	12	19.1	4	(BP)					
9741		HOLL	12	16	1911	N04	E32	12	19.2		B	CAO	20	7	4	2
9741		VORO	12	16	2352	N05	E30	12	19.2			DSO	53	3	3	2
9741		LEAR	12	17	0010	N05	E29	12	19.2		B	DAO	30	3	5	3
9741		HOLL	12	17	1600	N05	E21	12	19.2		B	DAO	70	9	4	3
9741	30889	MWIL	12	17	1615	N06	E21	12	19.2	5	(B)					
9741		VORO	12	18	0007	N05	E17	12	19.3			DSO	85	7	3	2
9741		LEAR	12	18	0120	N05	E16	12	19.2		B	DAO	40	8	4	3
9741		TACH	12	18	0826	N07	E08	12	18.9			BRO	14	3	4	3
9741		RAMY	12	18	1217	N08	E09	12	19.2		B	DSO	30	7	5	2
9741	30889	MWIL	12	18	1530	N06	E08	12	19.2	4	(B)					
9741		HOLL	12	18	1925	N05	E06	12	19.2		B	CAO	50	5	4	2
9741		SVTO	12	19	0940	N07	W02	12	19.2		A	BXX	10	1	1	2
9741		LEAR	12	19	1300	N07	W03	12	19.3		B	DAO	30	6	3	2
9741	30889	MWIL	12	19	1545	N05	W05	12	19.3	4	(B)					
9741		HOLL	12	19	1545	N06	W12	12	18.7		B	CAO	10	5	3	2
9741		VORO	12	20	0015	N04	W16	12	18.8			DSO	67	6	3	3
9741		TACH	12	20	0714	N04	W20	12	18.8			BRO	14	3	3	3
9741		SVTO	12	20	0743	N03	W22	12	18.7		A	AXX		1		3
9741		LEAR	12	20	1345	N05	W21	12	19.0		BG	CAO	20	4	9	2
9741		HOLL	12	20	1507	N05	W20	12	19.1		B	BXO	10	6	6	3
9741		HOLL	12	21	1600	N05	W38	12	18.8		B	BXO	10	3	3	3
9741		VORO	12	21	2350	N04	W43	12	18.8			BXO	33	4	2	3
9741		LEAR	12	22	0015	N04	W44	12	18.7		B	DSO	30	4	3	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
9741A	30899	MWIL	12	19	1545	N09	E08	12	20.2	4	(AF)					
9746		SVTO	12	19	0940	S16	E15	12	20.5		A	HSX	30	3	3	2
9746	30898	MWIL	12	19	1545	S17	E11	12	20.5	4	(B)					
9746		HOLL	12	19	1545	S19	E11	12	20.5		B	BXO	10	2	4	2
9746		LEAR	12	21	0025	S18	W07	12	20.5		B	DAO	30	4	3	2
9746		SVTO	12	21	0915	S18	W13	12	20.4		B	BXO	10	2	3	3
9746		KAND	12	21	0940	S17	W12	12	20.5			BXO		2	2	4
9746		RAMY	12	21	1305	S17	W14	12	20.5		B	BXO	10	2	3	4
9746		HOLL	12	21	1600	S17	W16	12	20.4		B	BXO	10	3	3	3
9746		LEAR	12	22	0015	S17	W19	12	20.6		B	BXO	10	2	4	4
9746A		KAND	12	20	0810	N11	E12	12	21.2			AX		1		3
9746A		KAND	12	21	0940	N10	W03	12	21.2			AX		3	2	4
9746A	30903	MWIL	12	22	1600	N11	W21	12	21.1	3	B					
9746A	30903	MWIL	12	23	1600	N11	W33	12	21.2	4	(B)					
9752A	30900	MWIL	12	19	1545	S23	E24	12	21.5	3	(AP)					
9752		LEAR	12	22	0015	S15	W05	12	21.6		B	CSO	20	5	3	4
9752		SVTO	12	22	0748	S14	W12	12	21.4		A	AXX		1		2
9752		HOLL	12	22	1520	S14	W16	12	21.4		A	AXX	10	1	1	2
9752	30904	MWIL	12	22	1600	S15	W15	12	21.5	4	AP					
9752		VORO	12	23	0110	S15	W30	12	20.8			AXX	12	1		3
9752		SVTO	12	23	0752	S15	W24	12	21.5		B	BXO	10	3	4	2
9752	30904	MWIL	12	23	1600	S15	W27	12	21.6	4	(B)					
9752		HOLL	12	23	1615	S14	W26	12	21.7		B	DSO	30	4	4	3
9752		RAMY	12	25	1300	S12	W56	12	21.3		B	BXO		2	3	2
9752		HOLL	12	25	1536	S13	W55	12	21.5		B	BXO	10	2	3	3
9752	30904	MWIL	12	25	2000	S15	W58	12	21.4	3	(B)					
9752		VORO	12	25	2335	S13	W63	12	21.2			AXX	8	1		2
9742		KAND	12	15	1025	N09	E86	12	21.9			CAO		3	3	2
9742		SVTO	12	15	1100	N09	E80	12	21.5		B	ESO	130	4	11	2
9742		HOLL	12	15	1733	N08	E76	12	21.4		B	DAO	160	6	6	2
9742	30890	MWIL	12	15	2200	N09	E76	12	21.6	5	(BP)					
9742		LEAR	12	16	0105	N08	E75	12	21.7		B	DAO	170	9	10	3
9742		VORO	12	16	0346	N09	E77	12	21.9			DSO	520	6	5	2
9742		TACH	12	16	0639	N08	E69	12	21.4			DSI	165	4	4	3
9742		RAMY	12	16	1417	N09	E70	12	21.8		B	DKI	400	7	10	2
9742	30890	MWIL	12	16	1545	N08	E67	12	21.7	5	(BP)					
9742		HOLL	12	16	1911	N07	E66	12	21.7		B	DKI	540	18	10	2
9742		VORO	12	16	2352	N09	E64	12	21.8			DSO	868	6	5	2
9742		LEAR	12	17	0010	N09	E63	12	21.7		B	DKI	340	15	10	3
9742		HOLL	12	17	1600	N08	E55	12	21.8		B	DKI	340	19	10	3
9742	30890	MWIL	12	17	1615	N09	E54	12	21.7	5	(BG)					
9742		VORO	12	18	0007	N10	E50	12	21.8			DSO	683	22	9	2
9742		LEAR	12	18	0120	N09	E49	12	21.7		BG	EKI	400	26	11	3
9742		TACH	12	18	0826	N10	E40	12	21.3			CHI	345	10	10	3
9742		RAMY	12	18	1217	N11	E43	12	21.7		BG	EKI	240	24	13	2
9742	30890	MWIL	12	18	1530	N09	E41	12	21.7	5	(BG)					
9742		HOLL	12	18	1925	N08	E40	12	21.8		BG	DKC	380	14	10	2
9742		VORO	12	19	0008	N10	E38	12	21.9			DSO	462	15	13	2
9742		TACH	12	19	0625	N12	E29	12	21.4			DSI	154	8	10	2
9742		SVTO	12	19	0940	N12	E33	12	21.9		BG	EAI	280	28	14	2
9742		RAMY	12	19	1244	N13	E33	12	22.0		B	DAO	380	12	10	2
9742		LEAR	12	19	1300	N11	E36	12	22.2		BG	EAI	330	24	14	2
9742	30890	MWIL	12	19	1545	N10	E28	12	21.8	5	(BG)					
9742		HOLL	12	19	1545	N10	E30	12	21.9		BG	EKC	290	31	14	2
9742		VORO	12	20	0015	N12	E23	12	21.7			HKX	507	14	13	3
9742		TACH	12	20	0714	N12	E16	12	21.5			DAI	783	26	12	3
9742		SVTO	12	20	0743	N09	E19	12	21.7		BG	FKI	480	29	17	3
9742		KAND	12	20	0810	N12	E22	12	22.0			DAI		30	10	3
9742		LEAR	12	20	1345	N10	E23	12	22.3		BG	EAI	350	27	14	2
9742		RAMY	12	20	1459	N11	E14	12	21.7		BG	EKI	690	49	15	3
9742		HOLL	12	20	1507	N09	E18	12	22.0		BG	EKC	540	70	14	3
9742		LEAR	12	21	0025	N10	E10	12	21.8		BG	EKI	500	44	15	2
9742		SVTO	12	21	0915	N09	E04	12	21.7		BG	FKI	820	32	20	3
9742		KAND	12	21	0940	N10	E06	12	21.8			EAI		36	12	4

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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
9742		RAMY	12	21	1305	N11	E02	12	21.7		BG	FKC	740	88	16	4
9742		HOLL	12	21	1600	N10	E02	12	21.8		BG	FKC	750	61	17	3
9742		VORO	12	21	2350	N13	W04	12	21.7			HKX	1277	52	15	3
9742		LEAR	12	22	0015	N10	W04	12	21.7		BG	FKC	770	78	17	4
9742		SVTO	12	22	0748	N09	W08	12	21.7		BG	FKI	860	28	21	2
9742		HOLL	12	22	1520	N12	W11	12	21.8		BG	EHC	320	34	13	2
9742	30890	MWIL	12	22	1600	N10	W10	12	21.9	5	BG					
9742		RAMY	12	22	1913	N14	W15	12	21.7		BG	EKI	730	40	15	3
9742		LEAR	12	23	0105	N10	W17	12	21.8		BG	FKC	630	37	18	2
9742		VORO	12	23	0110	N08	W14	12	22.0			HKX	1395	41	8	3
9742		SVTO	12	23	0752	N10	W22	12	21.7		BG	FKI	840	27	21	2
9742	30890	MWIL	12	23	1600	N11	W24	12	21.9	5	(B)					
9742		HOLL	12	23	1615	N10	W25	12	21.8		BGD	FKC	1110	86	17	3
9742		VORO	12	23	2332	N12	W31	12	21.6			FKI	1672	55	16	3
9742		LEAR	12	24	0153	N11	W32	12	21.7		BG	FKC	960	40	17	2
9742		TACH	12	24	0617	N11	W33	12	21.8			DAI	1210	24	16	3
9742		VORO	12	24	2343	N12	W44	12	21.7			FKI	1587	66	18	3
9742		LEAR	12	25	0010	N11	W43	12	21.8		BG	FKC	1050	59	19	3
9742		TACH	12	25	0525	N11	W45	12	21.8			DAI	956	16	17	2
9742		SVTO	12	25	0915	N13	W50	12	21.6		BG	FKC	1060	52	20	3
9742		RAMY	12	25	1300	N14	W55	12	21.4		BG	FKC	1110	43	23	2
9742		HOLL	12	25	1536	N11	W50	12	21.9		BG	FKC	1080	39	19	3
9742	30890	MWIL	12	25	2000	N10	W54	12	21.8	5	(BG)					
9742		VORO	12	25	2335	N12	W56	12	21.8			DKI	1708	36	11	2
9742		LEAR	12	26	0028	N12	W56	12	21.8		BG	FKC	1030	40	18	3
9742		TACH	12	26	0515	N11	W54	12	22.1			EAI	920	15	8	3
9742		KAND	12	26	0850	N11	W60	12	21.8			EKO		11	13	3
9742		RAMY	12	26	1440	N14	W65	12	21.7		BG	EKI	190	21	14	4
9742		HOLL	12	26	1510	N11	W62	12	22.0		BG	EKI	280	16	15	3
9742	30890	MWIL	12	26	1600	N11	W64	12	21.8	5	(BG)					
9742		VORO	12	26	2338	N11	W68	12	21.9			DKI	1354	17	10	3
9742		LEAR	12	27	0120	N10	W67	12	22.0		BG	EKI	830	16	15	2
9742		TACH	12	27	0629	N11	W69	12	22.1			EAI	513	7	14	4
9742		SVTO	12	27	1031	N11	W75	12	21.8		BG	FKI	600	5	17	3
9742		RAMY	12	27	1254	N13	W75	12	21.9		BG	EKI	680	22	12	3
9742	30890	MWIL	12	27	2300	N11	W79	12	22.0	5	BG					
9742		VORO	12	27	2339	N12	W79	12	22.0			DKI	683	12	8	3
9742		RAMY	12	28	1247	N14	W88	12	21.9		A	HSX	30	1	3	3
9742		LEAR	12	28	1300	N11	W90	12	21.8		BG	EKI	350	7	15	3
9742B	30912	MWIL	12	25	2000	S30	W47	12	22.1	3	(AP)					
9742C	30892	MWIL	12	16	1545	N19	E67	12	21.8	3	(AP)					
9742C		VORO	12	24	2343	N03	W34	12	22.4			AXX	11	1		3
9743		VORO	12	16	0346	S11	E82	12	22.3			HAX	270	1		2
9743		TACH	12	16	0639	S08	E78	12	22.1			HSX	30	1	5	3
9743		RAMY	12	16	1417	S10	E78	12	22.4		A	HSX	150	1	3	2
9743	30893	MWIL	12	16	1545	S11	E76	12	22.4	4	(AP)					
9743		HOLL	12	16	1911	S12	E74	12	22.4		A	HAX	240	2	2	2
9743		VORO	12	16	2352	S11	E71	12	22.3			HAX	578	2		2
9743		LEAR	12	17	0010	S11	E72	12	22.4		B	DAO	180	4	6	3
9743		HOLL	12	17	1600	S12	E62	12	22.3		A	HAX	130	4	2	3
9743	30893	MWIL	12	17	1615	S11	E62	12	22.3	5	(AP)					
9743		VORO	12	18	0007	S11	E57	12	22.3			DSO	558	4	2	2
9743		LEAR	12	18	0120	S11	E57	12	22.3		A	HAX	160	4	3	3
9743		TACH	12	18	0826	S09	E49	12	22.0			HA	180	2	2	3
9743		RAMY	12	18	1217	S08	E51	12	22.3		B	CAO	130	7	4	2
9743	30893	MWIL	12	18	1530	S10	E49	12	22.3	5	(AP)					
9743		HOLL	12	18	1925	S11	E47	12	22.3		B	CAI	150	4	3	2
9743		VORO	12	19	0008	S10	E44	12	22.3			HAX	214	3		2
9743		TACH	12	19	0625	S08	E38	12	22.1			HA	90	2	2	2
9743		SVTO	12	19	0940	S10	E39	12	22.3		A	HSX	130	2	3	2
9743		RAMY	12	19	1244	S08	E38	12	22.4		A	HSX	130	2	2	2
9743		LEAR	12	19	1300	S09	E44	12	22.8		B	CAO	100	4	4	2
9743	30893	MWIL	12	19	1545	S10	E36	12	22.4	5	(AP)					
9743		HOLL	12	19	1545	S11	E36	12	22.4		A	HAX	120	2	2	2
9743		VORO	12	20	0015	S11	E31	12	22.3			DSO	218	5	2	3
9743		TACH	12	20	0714	S08	E22	12	21.9			CSO	330	3	4	3

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9743		SVTO	12	20	0743	S11	E27	12	22.3		B	CAO	120	3	4	3
9743		KAND	12	20	0810	S10	E26	12	22.3			CAO		3	5	3
9743		LEAR	12	20	1345	S10	E30	12	22.8		B	CAO	130	7	4	2
9743		RAMY	12	20	1459	S09	E24	12	22.4		B	CSO	190	5	6	3
9743		HOLL	12	20	1507	S11	E23	12	22.4		B	CSO	110	6	5	3
9743		LEAR	12	21	0025	S10	E16	12	22.2		B	DAO	120	5	6	2
9743		SVTO	12	21	0915	S11	E13	12	22.4		B	DSO	120	3	4	3
9743		KAND	12	21	0940	S10	E13	12	22.4			DAO		3	3	4
9743		RAMY	12	21	1305	S10	E11	12	22.4		A	HAX	150	3	4	4
9743		HOLL	12	21	1600	S08	E07	12	22.2		B	CAO	120	6	7	3
9743		VORO	12	21	2350	S11	E05	12	22.4			DSO	217	3	1	3
9743		LEAR	12	22	0015	S08	E04	12	22.3		B	CSO	150	8	10	4
9743		SVTO	12	22	0748	S11	E03	12	22.5		B	CSO	110	2	4	2
9743		HOLL	12	22	1520	S10	W03	12	22.4		B	CSO	90	4	4	2
9743	30893	MWIL	12	22	1600	S11	W03	12	22.4	5	BP					
9743		RAMY	12	22	1913	S07	W06	12	22.3		B	CSO	130	5	6	3
9743		LEAR	12	23	0105	S11	W08	12	22.4		B	CSO	160	2	2	2
9743		VORO	12	23	0110	S11	W08	12	22.4			HAX	257	2		3
9743		SVTO	12	23	0752	S11	W12	12	22.4		B	CSO	110	2	4	2
9743	30893	MWIL	12	23	1600	S11	W17	12	22.4	5	(BG)					
9743		HOLL	12	23	1615	S11	W17	12	22.4		A	HAX	110	7	5	3
9743		VORO	12	23	2332	S10	W21	12	22.4			HAX	221	6		3
9743		LEAR	12	24	0153	S10	W22	12	22.4		B	CAO	90	2	3	2
9743		TACH	12	24	0617	S08	W23	12	22.5			HSX	135	1	2	3
9743		VORO	12	24	2343	S10	W34	12	22.4			HAX	142	1		3
9743		LEAR	12	25	0010	S10	W34	12	22.4		A	HAX	110	4	4	3
9743		SVTO	12	25	0915	S09	W38	12	22.5		B	CSO	100	5	5	3
9743		RAMY	12	25	1300	S09	W41	12	22.5		B	CSO	110	5	3	2
9743		HOLL	12	25	1536	S09	W42	12	22.5		B	CAO	80	3	3	3
9743	30893	MWIL	12	25	2000	S12	W45	12	22.4	5	(AP)					
9743		VORO	12	25	2335	S10	W48	12	22.4			HSX	146	1		2
9743		LEAR	12	26	0028	S10	W48	12	22.4		A	HSX	70	1	2	3
9743		RAMY	12	26	1440	S08	W56	12	22.4		B	CSO	70	2	3	4
9743		HOLL	12	26	1510	S10	W55	12	22.5		B	CSO	80	2	3	3
9743	30893	MWIL	12	26	1600	S11	W57	12	22.4	5	(AP)					
9743		VORO	12	26	2338	S11	W61	12	22.4			HAX	147	1		3
9743		RAMY	12	27	1254	S09	W68	12	22.4		A	HSX	50	1	2	3
9743	30893	MWIL	12	27	2300	S11	W74	12	22.4	5	AP					
9743		VORO	12	27	2339	S11	W74	12	22.4			HAX	81	1		3
9743		RAMY	12	28	1247	S10	W84	12	22.2		A	HSX	60	1	3	3
9743		HOLL	12	28	1738	S09	W82	12	22.6		B	DSO	180	3	4	1
9745		LEAR	12	18	0120	N16	E72	12	23.5		A	AXX	10	2	2	3
9745		RAMY	12	18	1217	N21	E67	12	23.6		B	CSO	40	6	6	2
9745	30895	MWIL	12	18	1530	N18	E62	12	23.4	4	(BP)					
9745		HOLL	12	18	1925	N17	E61	12	23.4		B	BXO	60	4	3	2
9745		SVTO	12	19	0940	N18	E54	12	23.5		B	BXO	40	3	6	2
9745		RAMY	12	19	1244	N22	E54	12	23.7		B	BXO	20	5	4	2
9745		LEAR	12	19	1300	N18	E57	12	23.9		B	BXO	20	2	2	2
9745		HOLL	12	19	1545	N16	E50	12	23.4		B	BXO	20	6	6	2
9745	30895	MWIL	12	19	1545	N17	E49	12	23.4	4	(BP)					
9745		VORO	12	20	0015	N16	E42	12	23.2			BXO	45	5	5	3
9745		SVTO	12	20	0743	N17	E42	12	23.5		B	BXO	30	6	7	3
9745		KAND	12	20	0810	N19	E41	12	23.5			BXO		4	5	3
9745		LEAR	12	20	1345	N17	E44	12	23.9		B	BXO	50	7	5	2
9745		RAMY	12	20	1459	N18	E36	12	23.4		B	CSO	40	11	6	3
9745		HOLL	12	20	1507	N17	E37	12	23.4		B	BXO	20	8	5	3
9745		LEAR	12	21	0025	N17	E30	12	23.3		B	CSO	30	6	5	2
9745		SVTO	12	21	0915	N16	E26	12	23.3		B	CRO	20	4	4	3
9745		KAND	12	21	0940	N17	E25	12	23.3			BXO		4	5	4
9745		RAMY	12	21	1305	N18	E24	12	23.4		B	CSO	20	8	6	4
9745		HOLL	12	21	1600	N16	E25	12	23.6		A	AXX	10	2	1	3
9745		VORO	12	21	2350	N16	E19	12	23.4			BXO	101	11	3	3
9745		LEAR	12	22	0015	N17	E18	12	23.4		B	DAO	40	10	5	4
9745		SVTO	12	22	0748	N16	E14	12	23.4		B	DAO	80	6	5	2
9745		HOLL	12	22	1520	N17	E10	12	23.4		B	DSO	60	8	8	2
9745	30895	MWIL	12	22	1600	N17	E09	12	23.3	4	B					
9745		RAMY	12	22	1913	N21	E08	12	23.4		B	DSO	40	9	6	3
9745		LEAR	12	23	0105	N17	E04	12	23.3		B	DAO	40	6	5	2

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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
9745		VORO	12	23	0110	N18	E05	12	23.4			DSO	145	12	5	3
9745		SVTO	12	23	0752	N18	E00	12	23.3		B	DAO	70	5	7	2
9745	30895	MWIL	12	23	1600	N18	W04	12	23.4	4	(B)					
9745		HOLL	12	23	1615	N17	W02	12	23.5		B	EAO	80	17	11	3
9745		VORO	12	23	2332	N19	W08	12	23.4			BXI	53	8	7	3
9745		LEAR	12	24	0153	N17	W10	12	23.3		B	DAO	30	9	6	2
9745		TACH	12	24	0617	N18	W12	12	23.3			BRO	11	4	6	3
9745		VORO	12	24	2343	N19	W21	12	23.4			BXO	24	6	7	3
9745		LEAR	12	25	0010	N18	W22	12	23.3		B	DRO	30	6	9	3
9745		TACH	12	25	0525	N18	W28	12	23.1			AXX	10	1	1	2
9745		SVTO	12	25	0915	N19	W31	12	23.0		A	HSX	10	3	2	3
9745		RAMY	12	25	1300	N21	W34	12	22.9		A	HSX		2	1	2
9745		HOLL	12	25	1536	N18	W35	12	23.0		B	CSO	10	2	2	3
9745	30895	MWIL	12	25	2000	N18	W38	12	22.9	4	(AP)					
9745		VORO	12	25	2335	N18	W38	12	23.1			BXO	23	2	5	2
9745		LEAR	12	26	0028	N18	W38	12	23.1		B	DSO	20	4	6	3
9745		TACH	12	26	0515	N22	W37	12	23.4			AR	5	2	3	3
9745		KAND	12	26	0850	N17	W42	12	23.2			CSO		2	4	3
9745		RAMY	12	26	1440	N19	W46	12	23.1		B	DSO		2	4	4
9745		HOLL	12	26	1510	N17	W45	12	23.2		B	BXO	10	2	4	3
9745	30895	MWIL	12	26	1600	N17	W46	12	23.2	4	(B)					
9745		VORO	12	26	2338	N17	W50	12	23.2			BXO	23	2	4	3
9745		LEAR	12	27	0120	N17	W49	12	23.3		A	AXX	10	1	1	2
9745		TACH	12	27	0629	N17	W49	12	23.5			HSX	40	2	1	4
9745		RAMY	12	27	1254	N19	W56	12	23.3		B	BXO	10	2	2	3
9745		VORO	12	27	2339	N18	W61	12	23.3			AXX	7	1		3
9748		RAMY	12	20	1459	S10	E40	12	23.6		B	CSO	20	2	3	3
9748		HOLL	12	20	1507	S12	E39	12	23.6		B	CSO	30	6	2	3
9748		LEAR	12	21	0025	S11	E33	12	23.5		B	DAO	40	6	5	2
9748		SVTO	12	21	0915	S12	E28	12	23.5		B	DAO	80	7	7	3
9748		KAND	12	21	0940	S11	E29	12	23.6			DSO		8	5	4
9748		RAMY	12	21	1305	S11	E27	12	23.6		B	DSO	30	7	6	4
9748		HOLL	12	21	1600	S13	E24	12	23.5		B	DAO	60	12	7	3
9748		VORO	12	21	2350	S11	E20	12	23.5			DSO	148	16	6	3
9748		LEAR	12	22	0015	S11	E19	12	23.4		BG	DAO	70	23	7	4
9748		SVTO	12	22	0748	S11	E15	12	23.4		B	DAO	120	10	9	2
9748		HOLL	12	22	1520	S11	E11	12	23.5		B	ESO	60	14	11	2
9748	30905	MWIL	12	22	1600	S11	E10	12	23.4	5	BG					
9748		RAMY	12	22	1913	S07	E06	12	23.2		B	DAO	120	15	10	3
9748		LEAR	12	23	0105	S10	E06	12	23.5		B	DAO	120	11	9	2
9748		VORO	12	23	0110	S11	E05	12	23.4			DSO	163	14	8	3
9748		SVTO	12	23	0752	S10	E01	12	23.4		B	DAO	240	8	10	2
9748	30905	MWIL	12	23	1600	S10	W05	12	23.3	5	(BG)					
9748		HOLL	12	23	1615	S11	W04	12	23.4		BG	DAI	220	31	9	3
9748		VORO	12	23	2332	S10	W08	12	23.4			DAI	370	15	9	3
9748		LEAR	12	24	0153	S10	W09	12	23.4		B	EAO	180	13	10	2
9748		TACH	12	24	0617	S06	W12	12	23.4			CAI	176	7	9	3
9748		VORO	12	24	2343	S10	W22	12	23.3			DKI	347	22	9	3
9748		LEAR	12	25	0010	S10	W22	12	23.3		B	EAO	290	24	12	3
9748		TACH	12	25	0525	S08	W23	12	23.5			DSI	296	8	10	2
9748		SVTO	12	25	0915	S10	W28	12	23.3		BG	ESO	280	25	12	3
9748		RAMY	12	25	1300	S09	W31	12	23.2		B	DAI	490	24	10	2
9748		HOLL	12	25	1536	S11	W31	12	23.3		BG	EAI	260	21	13	3
9748	30905	MWIL	12	25	2000	S12	W33	12	23.3	5	(B)					
9748		VORO	12	25	2335	S11	W36	12	23.3			DKI	604	20	9	2
9748		LEAR	12	26	0028	S11	W35	12	23.4		B	ESO	280	16	11	3
9748		TACH	12	26	0515	S09	W41	12	23.1			DSI	276	13	14	3
9748		KAND	12	26	0850	S10	W42	12	23.2			FKO		12	19	3
9748		RAMY	12	26	1440	S09	W45	12	23.2		B	EKO	290	19	12	4
9748		HOLL	12	26	1510	S11	W44	12	23.3		BG	DAI	320	17	10	3
9748	30905	MWIL	12	26	1600	S11	W46	12	23.2	5	(BG)					
9748		VORO	12	26	2338	S11	W50	12	23.2			DAI	464	13	8	3
9748		LEAR	12	27	0120	S11	W53	12	23.1		B	FKO	340	13	16	2
9748		TACH	12	27	0629	S10	W54	12	23.2			CAI	326	10	15	4
9748		SVTO	12	27	1031	S11	W59	12	23.0		B	EAO	450	10	11	3
9748		RAMY	12	27	1254	S10	W58	12	23.2		B	EAI	210	25	11	3
9748	30905	MWIL	12	27	2300	S11	W64	12	23.1	5	(BG)					
9748		VORO	12	27	2339	S11	W64	12	23.2			DAI	336	18	11	3

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9748		RAMY	12	28	1247	S11	W71	12	23.2		B	EAO	240	12	13	3
9748		LEAR	12	28	1300	S12	W67	12	23.5		BG	FAO	300	16	16	3
9748		SVTO	12	28	1355	S11	W73	12	23.1		B	CAO	200	7	23	3
9748		VORO	12	29	0003	S10	W79	12	23.1			DAI	126	3	16	2
9748		LEAR	12	29	0020	S10	W79	12	23.1		B	DAO	180	4	5	3
9747		SVTO	12	19	0940	N11	E77	12	25.2		A	HSX	40	2	2	2
9747		RAMY	12	19	1244	N15	E79	12	25.5		B	BXO	30	2	3	2
9747		HOLL	12	19	1545	N10	E73	12	25.1		A	AXX	10	1	1	2
9747	30901	MWIL	12	19	1545	N12	E75	12	25.3	4	(BP)					
9747		VORO	12	20	0015	N11	E69	12	25.2			DSO	115	4	4	3
9747		TACH	12	20	0714	N13	E64	12	25.1			CSI	88	4	8	3
9747		SVTO	12	20	0743	N11	E66	12	25.3		B	CSO	40	2	4	3
9747		KAND	12	20	0810	N12	E67	12	25.4			CAO		10	6	3
9747		LEAR	12	20	1345	N13	E69	12	25.8		B	BXO	120	8	7	2
9747		RAMY	12	20	1459	N14	E62	12	25.3		B	DAO	120	5	9	3
9747		HOLL	12	20	1507	N10	E63	12	25.4		B	CAO	120	9	4	3
9747		LEAR	12	21	0025	N12	E56	12	25.2		B	DSO	70	9	7	2
9747		SVTO	12	21	0915	N11	E51	12	25.2		B	DAO	60	5	6	3
9747		KAND	12	21	0940	N11	E52	12	25.3			CSO		7	6	4
9747		RAMY	12	21	1305	N12	E51	12	25.4		B	CSO	40	16	9	4
9747		HOLL	12	21	1600	N11	E49	12	25.3		B	CAO	70	12	8	3
9747		VORO	12	21	2350	N11	E42	12	25.1			DSO	137	10	5	3
9747		LEAR	12	22	0015	N12	E43	12	25.2		B	DAO	80	12	9	4
9747		SVTO	12	22	0748	N11	E38	12	25.2		B	DAO	60	3	4	2
9747		HOLL	12	22	1520	N10	E34	12	25.2		B	CAO	40	6	7	2
9747	30901	MWIL	12	22	1600	N11	E34	12	25.2	4	B					
9747		RAMY	12	22	1913	N15	E34	12	25.4		B	DSO	60	10	8	3
9747		LEAR	12	23	0105	N12	E30	12	25.3		B	DAO	60	6	5	2
9747		VORO	12	23	0110	N11	E29	12	25.2			DSO	96	9	4	3
9747		SVTO	12	23	0752	N12	E24	12	25.1		B	DSO	30	2	6	2
9747	30901	MWIL	12	23	1600	N12	E20	12	25.2	4	(B)					
9747		HOLL	12	23	1615	N10	E21	12	25.2		B	DSO	60	6	7	3
9747		VORO	12	23	2332	N12	E17	12	25.3			DSI	82	4	6	3
9747		LEAR	12	24	0153	N12	E14	12	25.1		B	DSO	20	5	6	2
9747		TACH	12	24	0617	N13	E10	12	25.0			BXO	12	2	5	3
9747		VORO	12	24	2343	N12	E03	12	25.2			BXO	27	4	7	3
9747		LEAR	12	25	0010	N12	E02	12	25.1		B	DAO	30	3	7	3
9747		TACH	12	25	0525	N12	W02	12	25.1			BXO	6	2	6	2
9747		SVTO	12	25	0915	N12	W03	12	25.1		B	DRO	20	4	8	3
9747		RAMY	12	25	1300	N12	W04	12	25.2		B	DRO	10	5	8	2
9747		HOLL	12	25	1536	N12	W06	12	25.2		B	DSO	40	4	8	3
9747	30901	MWIL	12	25	2000	N12	W09	12	25.1	4	(B)					
9747		VORO	12	25	2335	N13	W11	12	25.1			BXO	23	2	7	2
9747		LEAR	12	26	0028	N13	W12	12	25.1		B	CSO	20	3	8	3
9747		TACH	12	26	0515	N12	W16	12	25.0			AXX	5	1	1	3
9747		KAND	12	26	0850	N11	W18	12	25.0			HS		1	1	3
9747		RAMY	12	26	1440	N12	W23	12	24.9		A	HSX		1	1	4
9747		HOLL	12	26	1510	N12	W23	12	24.9		B	BXO	10	2	1	3
9747	30901	MWIL	12	26	1600	N12	W24	12	24.8	4	(AP)					
9747		VORO	12	26	2338	N11	W27	12	24.9			AXX	10	1		3
9748A		LEAR	12	30	0045	S15	W65	12	25.1		A	HRX	10	1	1	3
9747A		LEAR	12	26	0028	N16	W01	12	25.9		A	AXX		1		3
9749		HOLL	12	19	1545	S08	E81	12	25.7		A	HAX	60	1	1	2
9749		VORO	12	20	0015	S08	E79	12	25.9			HAX	130	1		3
9749		TACH	12	20	0714	S06	E76	12	26.0			CSO	40	2	6	3
9749		SVTO	12	20	0743	S08	E80	12	26.3		B	CSO	60	2	9	3
9749		KAND	12	20	0810	S08	E80	12	26.3			CRO		2	10	3
9749		LEAR	12	20	1345	S07	E80	12	26.6		B	CAO	60	3	12	2
9749		RAMY	12	20	1459	S05	E76	12	26.3		B	CSO	60	3	8	3
9749		HOLL	12	20	1507	S11	E75	12	26.3		B	DSO	110	3	6	3
9749		LEAR	12	21	0025	S07	E69	12	26.2		B	CSO	50	5	6	2
9749		SVTO	12	21	0915	S09	E64	12	26.2		B	CSO	60	5	8	3
9749		KAND	12	21	0940	S08	E64	12	26.2			CSO		4	7	4
9749		RAMY	12	21	1305	S07	E62	12	26.2		B	DSO	50	5	7	4
9749		HOLL	12	21	1600	S09	E60	12	26.2		B	CAO	60	5	6	3

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9749		VORO	12	21	2350	S08	E55	12	26.1			DSO	112	4	6	3
9749		LEAR	12	22	0015	S07	E55	12	26.1		B	DSO	50	3	6	4
9749		SVTO	12	22	0748	S09	E52	12	26.2		B	DSO	30	3	9	2
9749		HOLL	12	22	1520	S09	E46	12	26.1		B	CSO	30	2	7	2
9749	30906	MWIL	12	22	1600	S09	E46	12	26.1	5	B					
9749		RAMY	12	22	1913	S05	E43	12	26.0		B	BXO	20	3	6	3
9749A		HOLL	12	23	1615	N03	E35	12	26.3		A	AXX	10	2	2	3
9757		RAMY	12	26	1440	S09	E07	12	27.1		B	BXO		3	3	4
9757		HOLL	12	26	1510	S09	E06	12	27.1		B	CSO	20	4	3	3
9757	30914	MWIL	12	26	1600	S08	E06	12	27.1	4	(B)					
9757		LEAR	12	27	0120	S08	W02	12	26.9		B	CSO	10	1	1	2
9757		TACH	12	27	0629	S07	W01	12	27.2			AR	4	3	2	4
9757		SVTO	12	27	1031	S08	W04	12	27.1		B	DSO	40	6	4	3
9757		RAMY	12	27	1254	S09	W07	12	27.0		B	BXO	10	9	3	3
9757	30914	MWIL	12	27	2300	S09	W12	12	27.0	4	BP					
9757		VORO	12	27	2339	S09	W13	12	27.0			AXX	20	3		3
9757		RAMY	12	28	1247	S09	W21	12	26.9		B	BXO	10	4	3	3
9757		LEAR	12	28	1300	S10	W14	12	27.5		B	CRO	10	2	1	3
9757		SVTO	12	28	1355	S10	W21	12	27.0		B	BXO	10	3	3	3
9757		HOLL	12	28	1738	S08	W22	12	27.1		A	AXX		1		1
9757		VORO	12	29	0003	S09	W25	12	27.1			AXX	3	1		2
9757		LEAR	12	29	0020	S09	W26	12	27.1		A	AXX		1		3
9757		RAMY	12	29	1420	S07	W32	12	27.2		B	BXO		2	2	1
9757		HOLL	12	29	1600	S09	W35	12	27.0		A	AXX	10	5	2	2
9757		LEAR	12	30	0045	S10	W38	12	27.2		A	AXX		1		3
9757		HOLL	12	30	1600	S08	W47	12	27.1		A	AXX	10	1	1	1
9751		HOLL	12	20	1507	N01	E85	12	27.0		A	HAX	120	1	3	3
9751		LEAR	12	21	0025	N05	E77	12	26.8		A	HAX	180	1	4	2
9751		SVTO	12	21	0915	N04	E75	12	27.0		A	HSX	180	1	5	3
9751		KAND	12	21	0940	N04	E73	12	26.9			HA		2	3	4
9751		RAMY	12	21	1305	N04	E75	12	27.1		B	CAO	280	6	7	4
9751		HOLL	12	21	1600	N03	E70	12	26.9		A	HKX	310	1	3	3
9751		VORO	12	21	2350	N04	E63	12	26.7			HKX	392	3		3
9751		LEAR	12	22	0015	N05	E66	12	26.9		A	HKX	400	6	5	4
9751		SVTO	12	22	0748	N04	E63	12	27.0		B	CAO	240	2	6	2
9751		HOLL	12	22	1520	N04	E61	12	27.2		B	CHO	290	4	11	2
9751	30907	MWIL	12	22	1600	N04	E58	12	27.0	5	BP					
9751		RAMY	12	22	1913	N06	E60	12	27.3		B	EKO	500	9	13	3
9751		LEAR	12	23	0105	N05	E55	12	27.1		B	CKO	340	11	12	2
9751		VORO	12	23	0110	N04	E56	12	27.2			HKX	553	8	8	3
9751		SVTO	12	23	0752	N05	E52	12	27.2		B	EAO	240	6	15	2
9751	30907	MWIL	12	23	1600	N04	E43	12	26.9	5	(BP)					
9751	30911	MWIL	12	23	1600	N04	E52	12	27.5	4	(BP)					
9751		HOLL	12	23	1615	N02	E48	12	27.3		B	EKI	360	22	13	3
9751		VORO	12	23	2332	N04	E45	12	27.3			DKI	615	13	11	3
9751		LEAR	12	24	0153	N05	E42	12	27.2		B	EKO	380	13	13	2
9751		TACH	12	24	0617	N06	E37	12	27.0			DAI	367	5	10	3
9751		VORO	12	24	2343	N04	E32	12	27.4			DKI	552	24	11	3
9751		LEAR	12	25	0010	N05	E30	12	27.2		BG	EKI	430	26	13	3
9751		TACH	12	25	0525	N05	E24	12	27.0			DSI	351	5	11	2
9751		SVTO	12	25	0915	N04	E25	12	27.2		BG	ESI	300	21	14	3
9751		RAMY	12	25	1300	N04	E25	12	27.4		BG	EKI	450	32	13	2
9751		HOLL	12	25	1536	N04	E23	12	27.4		BG	EKI	370	25	13	3
9751	30907	MWIL	12	25	2000	N04	E15	12	26.9	5	(BG)					
9751	30911	MWIL	12	25	2000	N04	E23	12	27.5	5	(B)					
9751		VORO	12	25	2335	N04	E18	12	27.3			DKI	559	22	11	2
9751		LEAR	12	26	0028	N05	E16	12	27.2		BG	EKI	450	23	14	3
9751		TACH	12	26	0515	N06	E13	12	27.2			DAI	476	14	10	3
9751		KAND	12	26	0850	N04	E11	12	27.2			EKC		17	14	3
9751		RAMY	12	26	1440	N04	E08	12	27.2		BG	EKI	570	40	14	4
9751		HOLL	12	26	1510	N04	E09	12	27.3		BGD	EKC	440	33	13	3
9751	30907	MWIL	12	26	1600	N04	E05	12	27.0	5	(D)					
9751	30911	MWIL	12	26	1600	N04	E11	12	27.5	5	(B)					
9751		VORO	12	26	2338	N04	E04	12	27.3			DKI	765	31	12	3
9751		LEAR	12	27	0120	N04	E03	12	27.3		BG	EKI	440	34	14	2
9751		TACH	12	27	0629	N06	E00	12	27.3			DAI	350	18	10	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
9751		SVTO	12	27	1031	N03	W05	12	27.1		BG	EAI	480	25	14	3
9751		RAMY	12	27	1254	N05	W04	12	27.2		BG	EAC	320	54	15	3
9751	30911	MWIL	12	27	2300	N04	W06	12	27.5	5	BP					
9751	30907	MWIL	12	27	2300	N04	W13	12	27.0	5	BG					
9751		VORO	12	27	2339	N04	W09	12	27.3			DKI	528	38	12	3
9751		RAMY	12	28	1247	N04	W18	12	27.2		BG	EAC	310	48	14	3
9751		LEAR	12	28	1300	N03	W18	12	27.2		BG	EAI	410	34	13	3
9751		SVTO	12	28	1355	N05	W19	12	27.1		B	FAI	440	25	16	3
9751		HOLL	12	28	1738	N04	W21	12	27.2		BG	EAC	280	21	14	1
9751		VORO	12	29	0003	N03	W24	12	27.2			DAI	436	21	14	2
9751		LEAR	12	29	0020	N04	W26	12	27.1		BG	FAI	330	34	16	3
9751		TACH	12	29	0639	N05	W28	12	27.2			DAI	120	16	11	3
9751		KAND	12	29	0805	N04	W30	12	27.1			EAO		24	15	3
9751		SVTO	12	29	0915	N04	W30	12	27.1		BG	EAI	300	28	15	2
9751		RAMY	12	29	1420	N06	W32	12	27.2		BG	EAI	230	22	13	1
9751		HOLL	12	29	1600	N05	W34	12	27.1		BG	EAC	280	33	13	2
9751		VORO	12	29	2348	N04	W40	12	27.0			DAI	322	9	9	2
9751		LEAR	12	30	0045	N04	W39	12	27.1		BG	EAI	280	26	13	3
9751		TACH	12	30	0810	N05	W42	12	27.2			DAI	203	6	8	2
9751		RAMY	12	30	1305	N07	W45	12	27.2		BG	EAI	160	5	12	2
9751	30907	MWIL	12	30	1600	N04	W47	12	27.1	4	(BG)					
9751		VORO	12	30	2338	N03	W52	12	27.1			DAI	250	6	12	2
9751		LEAR	12	31	0030	N04	W52	12	27.1		BG	EAI	220	14	12	2
9751		RAMY	12	31	1232	N04	W58	12	27.2		BG	EAI	170	19	12	3
9751	30907	MWIL	12	31	1545	N04	W59	12	27.2	4	(B)					
9751		VORO	01	01	0006	N04	W66	12	27.2			DAI	221	9	13	2
9751		LEAR	01	01	0050	N03	W65	12	27.3		BG	EAI	200	16	15	3
9751		SVTO	01	01	0749	N03	W66	12	27.5		B	DAI	130	5	8	3
9751		TACH	01	01	0954	N06	W66	12	27.6			DAO	91	4	6	3
9751		RAMY	01	01	1351	N04	W71	12	27.4		BG	EAO	120	10	13	3
9751		HOLL	01	01	2150	N03	W76	12	27.3		B	DSO	110	3	9	3
9751	30907	MWIL	01	01	2230	N02	W75	12	27.4	4	(B)					
9751		LEAR	01	02	0130	N03	W75	12	27.5		B	DAO	90	4	8	2
9751		VORO	01	02	0157	N04	W77	12	27.4			CAO	50	2	7	2
9751		KAND	01	02	0920	N04	W76	12	27.8			AX		1	1	3
9751		SVTO	01	02	1015	N04	W85	12	27.2		B	DAO	60	3	10	2
9753		VORO	12	21	2350	S20	E78	12	27.9			HAX	77	1		3
9753		LEAR	12	22	0015	S19	E79	12	28.0		A	HAX	30	1	2	4
9753		SVTO	12	22	0748	S20	E78	12	28.3		A	HSX	10	1	1	2
9753		RAMY	12	22	1913	S20	E69	12	28.1		A	FAX	20	1	2	3
9753		LEAR	12	23	0105	S19	E64	12	27.9		B	CSO	60	3	8	2
9753		VORO	12	23	0110	S20	E64	12	27.9			DSO	123	2	6	3
9753		SVTO	12	23	0752	S20	E60	12	27.9		B	CAO	40	2	8	2
9753	30910	MWIL	12	23	1600	S18	E52	12	27.6	3	(B)					
9753		HOLL	12	23	1615	S21	E58	12	28.1		B	CAO	70	3	7	3
9753		VORO	12	23	2332	S19	E52	12	27.9			CAO	66	2	4	3
9753		LEAR	12	24	0153	S18	E49	12	27.8		B	CAO	80	8	8	2
9753		TACH	12	24	0617	S15	E40	12	27.3			BRO	46	3	4	3
9753		VORO	12	24	2343	S19	E37	12	27.8			CAI	94	9	9	3
9753		LEAR	12	25	0010	S19	E36	12	27.7		B	CAO	40	8	10	3
9753		TACH	12	25	0525	S16	E33	12	27.7			BXO	7	2	4	2
9753		SVTO	12	25	0915	S20	E31	12	27.7		B	ERO	60	11	11	3
9753		RAMY	12	25	1300	S20	E29	12	27.7		B	DSO	50	10	10	2
9753		HOLL	12	25	1536	S19	E28	12	27.8		B	DSO	50	4	9	3
9753	30910	MWIL	12	25	2000	S18	E26	12	27.8	4	(AP)					
9753		VORO	12	25	2335	S19	E24	12	27.8			CRI	63	8	7	2
9753		LEAR	12	26	0028	S18	E22	12	27.7		B	DSO	50	13	10	3
9753		TACH	12	26	0515	S15	E18	12	27.6			BRI	10	7	7	3
9753		KAND	12	26	0850	S18	E19	12	27.8			CSO		6	9	3
9753		RAMY	12	26	1440	S19	E14	12	27.7		B	DSO	30	18	10	4
9753		HOLL	12	26	1510	S19	E13	12	27.6		B	DSO	90	12	10	3
9753	30910	MWIL	12	26	1600	S18	E11	12	27.5	4	(B)					
9753		VORO	12	26	2338	S19	E07	12	27.5			BXI	62	9	4	3
9753		LEAR	12	27	0120	S18	E06	12	27.5		B	DSO	50	9	6	2
9753		TACH	12	27	0629	S16	E03	12	27.5			BRI	27	6	3	4
9753		SVTO	12	27	1031	S18	E01	12	27.5		B	DSO	80	8	9	3
9753		RAMY	12	27	1254	S18	W01	12	27.5		B	CSO	30	17	7	3
9753	30910	MWIL	12	27	2300	S18	W06	12	27.5	4	B					

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9753		VORO	12	27	2339	S19	W05	12	27.6			BXI	32	14	6	3
9753		RAMY	12	28	1247	S19	W15	12	27.4		B	DSO	40	14	9	3
9753		LEAR	12	28	1300	S19	W12	12	27.6		B	DSO	60	12	8	3
9753		SVTO	12	28	1355	S21	W13	12	27.6		B	FSO	80	12	16	3
9753		HOLL	12	28	1738	S19	W15	12	27.6		B	EAI	60	12	13	1
9753		VORO	12	29	0003	S20	W20	12	27.5			BXI	48	7	4	2
9753		LEAR	12	29	0020	S19	W17	12	27.7		BG	EAO	50	13	15	3
9753		TACH	12	29	0639	S17	W24	12	27.4			BRI	9	4	4	3
9753		KAND	12	29	0805	S18	W25	12	27.4			DSO		8	9	3
9753		SVTO	12	29	0915	S20	W25	12	27.5		B	DSO	50	8	6	2
9753		RAMY	12	29	1420	S18	W29	12	27.4		B	DSO	30	5	8	1
9753		HOLL	12	29	1600	S18	W30	12	27.4		B	DAO	70	11	7	2
9753		VORO	12	29	2348	S18	W34	12	27.4			DAI	120	5	7	2
9753		LEAR	12	30	0045	S19	W34	12	27.4		B	DAO	90	18	9	3
9753		TACH	12	30	0810	S14	W36	12	27.6			CSI	71	5	7	2
9753		RAMY	12	30	1305	S15	W44	12	27.2		B	DSO	80	8	8	2
9753		HOLL	12	30	1600	S17	W44	12	27.3		B	DAO	90	17	9	1
9753	30910	MWIL	12	30	1600	S18	W44	12	27.3	5	(B)					
9753		VORO	12	30	2338	S18	W48	12	27.3			DAI	115	4	9	2
9753		LEAR	12	31	0030	S18	W49	12	27.3		B	DAO	80	5	8	2
9753		RAMY	12	31	1232	S17	W54	12	27.4		B	DSO	50	13	10	3
9753	30910	MWIL	12	31	1545	S17	W57	12	27.3	4	(B)					
9753		VORO	01	01	0006	S18	W62	12	27.4			CRI	59	8	10	2
9753		LEAR	01	01	0050	S17	W64	12	27.3		B	DSO	90	8	10	3
9753		SVTO	01	01	0749	S18	W66	12	27.4		B	BXO	20	2	11	3
9753		TACH	01	01	0954	S15	W65	12	27.6			BXO	4	2	12	3
9753		RAMY	01	01	1351	S17	W68	12	27.5		B	CSO	40	7	8	3
9754A		TACH	12	24	0617	S06	E51	12	28.1			HA	72	3	4	3
9754A		TACH	12	25	0525	S03	E36	12	27.9			HSX	100	1	2	2
9754A		TACH	12	25	0525	S06	E39	12	28.1			BRI	58	4	3	2
9754A		TACH	12	26	0515	S05	E28	12	28.3			CAI	130	9	6	3
9754A		TACH	12	27	0629	S06	E14	12	28.3			BRI	105	9	5	4
9754A	30920	MWIL	12	27	2300	S05	W02	12	27.8	4	B					
9754A		TACH	12	29	0639	S07	W12	12	28.4			BRI	38	5	7	3
9754A		RAMY	01	02	1745	S16	W49	12	30.1		A	AXX		1		3
9754A		TACH	01	04	0459	S15	W70	12	30.0			AR	3	2	1	3
9753A		HOLL	12	22	1520	S21	E71	12	28.1		A	HSX	60	1	1	2
9753A	30908	MWIL	12	22	1600	S21	E71	12	28.1	5	AP					
9753A	30908	MWIL	12	23	1600	S20	E57	12	28.0	4	(AP)					
9753A		KAND	12	29	0805	S21	W14	12	28.3			AX		1		3
9753B		RAMY	12	26	1440	N13	E24	12	28.4		A	AXX		1	1	4
9753B		HOLL	12	26	1510	N13	E24	12	28.4		A	AXX	10	1	1	3
9753B	30915	MWIL	12	26	1600	N14	E23	12	28.4	3	(AP)					
9762		VORO	12	26	2338	N03	E22	12	28.6			AXX	8	1		3
9762		TACH	12	27	0629	N04	E15	12	28.4			AXX	25	1	1	4
9762		SVTO	12	27	1031	N03	E14	12	28.5		A	HAX	20	1	1	3
9762		RAMY	12	27	1254	N03	E13	12	28.5		A	AXX	10	1	1	3
9762	30921	MWIL	12	27	2300	N02	E07	12	28.5	4	AP					
9762		VORO	12	27	2339	N04	E07	12	28.5			AXX	9	1		3
9762		RAMY	12	28	1247	N02	W01	12	28.4		A	AXX		1		3
9762		LEAR	12	28	1300	N03	W06	12	28.1		A	HSX	10	1	1	3
9754	30909	MWIL	12	22	1600	S08	E75	12	28.3	5	AP					
9754		LEAR	12	23	0105	S07	E70	12	28.3		B	CSO	40	2	2	2
9754		VORO	12	23	0110	S08	E72	12	28.4			HAX	85	3		3
9754		SVTO	12	23	0752	S08	E67	12	28.3		A	HAX	50	1	2	2
9754	30909	MWIL	12	23	1600	S10	E67	12	28.7	5	(BP)					
9754		HOLL	12	23	1615	S10	E69	12	28.9		B	EAI	160	9	13	3
9754		VORO	12	23	2332	S09	E63	12	28.7			DAI	161	4	11	3
9754		LEAR	12	24	0153	S08	E60	12	28.6		B	EAO	80	6	11	2
9754		TACH	12	24	0617	S08	E60	12	28.8			AXX	5	1	1	3
9754		VORO	12	24	2343	S08	E53	12	29.0			CAI	300	25	11	3
9754		LEAR	12	25	0010	S08	E50	12	28.7		BG	EAI	270	28	14	3
9754		TACH	12	25	0525	S04	E53	12	29.2			BXO	15	2	4	2
9754		SVTO	12	25	0915	S10	E46	12	28.8		BG	EAI	160	25	13	3

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9754		RAMY	12	25	1300	S11	E44	12	28.8		B	EKI	320	31	15	2
9754		HOLL	12	25	1536	S09	E42	12	28.8		BG	EAI	330	19	14	3
9754	30909	MWIL	12	25	2000	S07	E38	12	28.7	4	(BP)					
9754		VORO	12	25	2335	S08	E37	12	28.7			DAI	392	22	13	2
9754		LEAR	12	26	0028	S08	E35	12	28.6		BG	EAI	290	20	15	3
9754		TACH	12	26	0515	S06	E35	12	28.8			BRI	4	4	3	3
9754		KAND	12	26	0850	S08	E31	12	28.7			EAI		21	15	3
9754		RAMY	12	26	1440	S10	E28	12	28.7		BG	EAI	210	28	14	4
9754		HOLL	12	26	1510	S08	E29	12	28.8		BG	EAI	270	28	15	3
9754	30909	MWIL	12	26	1600	S07	E27	12	28.7	5	(B)					
9754		VORO	12	26	2338	S08	E24	12	28.8			DAI	300	17	14	3
9754		LEAR	12	27	0120	S08	E23	12	28.8		BG	EAI	110	20	15	2
9754		TACH	12	27	0629	S06	E24	12	29.1			AR	30	2	2	4
9754		SVTO	12	27	1031	S08	E18	12	28.8		BG	EAI	200	16	15	3
9754		RAMY	12	27	1254	S09	E16	12	28.7		BG	EAI	90	33	15	3
9754	30909	MWIL	12	27	2300	S08	E11	12	28.8	4	B					
9754		VORO	12	27	2339	S08	E11	12	28.8			DAI	211	27	15	3
9754		RAMY	12	28	1247	S09	E03	12	28.7		BG	FAI	230	40	17	3
9754		LEAR	12	28	1300	S09	E09	12	29.2		BG	FAI	150	26	17	3
9754		SVTO	12	28	1355	S08	E02	12	28.7		B	FAI	240	18	16	3
9754		HOLL	12	28	1738	S07	E01	12	28.8		BG	FAC	160	30	17	1
9754		VORO	12	29	0003	S08	W03	12	28.8			DAI	314	22	15	2
9754		LEAR	12	29	0020	S08	W04	12	28.7		BG	FAI	260	36	17	3
9754		TACH	12	29	0639	S06	W04	12	29.0			CAI	94	8	5	3
9754		KAND	12	29	0805	S08	W05	12	29.0			FAO		20	17	3
9754		SVTO	12	29	0915	S08	W08	12	28.8		BG	FAI	270	31	16	2
9754		RAMY	12	29	1420	S08	W12	12	28.7		BG	FAI	170	26	16	1
9754		HOLL	12	29	1600	S07	W13	12	28.7		BG	FKC	260	33	17	2
9754		VORO	12	29	2348	S09	W16	12	28.8			DAI	205	11	16	2
9754		LEAR	12	30	0045	S08	W16	12	28.8		BG	FAI	210	32	16	3
9754		TACH	12	30	0810	S06	W18	12	29.0			BRI	98	10	7	2
9754		RAMY	12	30	1305	S07	W21	12	29.0		B	EAI	100	21	13	2
9754		HOLL	12	30	1600	S07	W26	12	28.7		BG	FAI	120	30	16	1
9754	30909	MWIL	12	30	1600	S08	W24	12	28.9	5	(BG)					
9754		VORO	12	30	2338	S08	W30	12	28.7			DAI	94	12	5	2
9754		LEAR	12	31	0030	S08	W31	12	28.7		BG	DAO	80	14	7	2
9754		RAMY	12	31	1232	S08	W36	12	28.8		B	EAI	70	24	11	3
9754	30909	MWIL	12	31	1545	S07	W37	12	28.9	4	(BG)					
9754		VORO	01	01	0006	S07	W43	12	28.9			CAI	55	11	5	2
9754		LEAR	01	01	0050	S07	W42	12	29.0		BG	DAI	120	16	10	3
9754		SVTO	01	01	0749	S07	W47	12	28.9		B	DSO	90	9	10	3
9754		TACH	01	01	0954	S03	W46	12	29.1			BXI	101	5	6	3
9754		RAMY	01	01	1351	S07	W49	12	29.0		B	EAI	80	23	7	3
9754		HOLL	01	01	2150	S06	W54	12	29.0		B	ESI	180	20	13	3
9754	30909	MWIL	01	01	2230	S06	W54	12	29.0	4	(B)					
9754		LEAR	01	02	0130	S06	W55	12	29.0		B	DAI	120	20	10	2
9754		VORO	01	02	0157	S07	W56	12	29.0			CAI	94	9	9	2
9754		KAND	01	02	0920	S06	W60	12	29.0			ESO		7	11	3
9754		SVTO	01	02	1015	S07	W65	12	28.6		B	ESO	200	12	13	2
9754		RAMY	01	02	1745	S07	W65	12	29.0		B	EAI	150	18	11	3
9754		VORO	01	02	2358	S04	W69	12	28.9			DAI	251	8	11	2
9754		LEAR	01	03	0010	S06	W69	12	28.9		B	EAO	120	14	11	4
9754		TACH	01	03	0544	S06	W71	12	29.0			BRI	25	7	9	3
9754		KAND	01	03	0835	S07	W73	12	29.0			ESO		8	14	2
9754		SVTO	01	03	0845	S05	W74	12	28.9		B	ESO	210	6	12	2
9754		HOLL	01	03	1910	S04	W75	12	29.3		B	CAO	180	6	8	2
9754		LEAR	01	04	0045	S07	W80	12	29.1		B	CSO	20	5	2	3
9759		KAND	12	26	0850	N18	E37	12	29.2			AX		2	1	3
9759		RAMY	12	26	1440	N17	E32	12	29.0		B	CRO		2	2	4
9759		HOLL	12	26	1510	N18	E33	12	29.1		B	BXO	20	3	2	3
9759	30916	MWIL	12	26	1600	N17	E32	12	29.1	3	(B)					
9759	30916	MWIL	12	27	2300	N17	E18	12	29.3	3	B					
9759		VORO	12	27	2339	N19	E17	12	29.3			AXX	1	2		3
9759		LEAR	12	28	1300	N17	E15	12	29.7		B	BXO	20	3	4	3
9759		LEAR	12	29	0020	N18	E02	12	29.2		B	BXO	10	4	3	3
9760		KAND	12	26	0850	N08	E44	12	29.7			AX		2	1	3
9760		RAMY	12	26	1440	N06	E40	12	29.6		B	CRO	10	4	3	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
9760		HOLL	12	26	1510	N07	E39	12	29.5		B	CSO	20	2	3	3
9760	30917	MWIL	12	26	1600	N07	E38	12	29.5	4	(B)					
9760		VORO	12	26	2338	N07	E35	12	29.6			BXO	24	2	3	3
9760		LEAR	12	27	0120	N07	E33	12	29.5		B	CRO	20	3	3	2
9760		TACH	12	27	0629	N08	E28	12	29.4			BXO	3	2	4	4
9760		SVTO	12	27	1031	N06	E28	12	29.5		B	CSO	20	3	3	3
9760		RAMY	12	27	1254	N07	E27	12	29.6		B	BXO	10	5	4	3
9760	30917	MWIL	12	27	2300	N05	E21	12	29.5	4	B					
9760		VORO	12	27	2339	N07	E21	12	29.5			BXO	10	2	3	3
9760		LEAR	12	28	1300	N06	E19	12	30.0		B	CRO	10	2	3	3
9760		HOLL	12	29	1600	N04	W02	12	29.5		A	AXX	10	2	2	2
9764		RAMY	12	27	1254	N12	E35	12	30.2		B	BXO	10	2	2	3
9764	30922	MWIL	12	27	2300	N13	E28	12	30.1	4	AP					
9764		VORO	12	27	2339	N14	E29	12	30.2			AXX	14	1		3
9764		RAMY	12	28	1247	N12	E21	12	30.1		B	BXO	10	6	4	3
9764		LEAR	12	28	1300	N12	E27	12	30.6		A	HSX	10	1	1	3
9764		SVTO	12	28	1355	N13	E21	12	30.2		B	BXO	20	4	4	3
9764		HOLL	12	28	1738	N13	E17	12	30.0		B	BXO	10	2	3	1
9764		VORO	12	29	0003	N14	E18	12	30.4			AXX	3	1		2
9764		LEAR	12	29	0020	N13	E15	12	30.1		B	BXO	10	4	5	3
9764		TACH	12	29	0639	N14	E11	12	30.1			AXX	10	1	1	3
9764		KAND	12	29	0805	N14	E13	12	30.3			AX		2	1	3
9764		SVTO	12	29	0915	N14	E13	12	30.4		A	HSX	10	3	1	2
9764		RAMY	12	29	1420	N13	E11	12	30.4		A	HSX		2	1	1
9764		HOLL	12	29	1600	N13	E08	12	30.3		A	AXX	10	3	2	2
9764		VORO	12	29	2348	N15	E05	12	30.4			HRX	20	1		2
9764		LEAR	12	30	0045	N13	E02	12	30.2		B	BXO	10	6	5	3
9764		RAMY	12	30	1305	N13	W05	12	30.2		B	DSO	20	4	5	2
9764		HOLL	12	30	1600	N14	W06	12	30.2		B	DAO	70	11	4	1
9764	30922	MWIL	12	30	1600	N14	W07	12	30.1	4	(B)					
9764		VORO	12	30	2338	N14	W10	12	30.2			DAI	80	5	4	2
9764		LEAR	12	31	0030	N14	W11	12	30.2		B	DSO	60	4	4	2
9764		RAMY	12	31	1232	N15	W18	12	30.1		B	DAO	70	15	7	3
9764	30922	MWIL	12	31	1545	N14	W20	12	30.1	4	(B)					
9764		VORO	01	01	0006	N14	W25	12	30.2			DAI	260	20	5	2
9764		LEAR	01	01	0050	N14	W25	12	30.2		B	DAO	140	18	7	3
9764		SVTO	01	01	0749	N14	W29	12	30.2		B	DSO	200	8	8	3
9764		TACH	01	01	0954	N16	W28	12	30.4			CAI	110	12	5	3
9764		RAMY	01	01	1351	N15	W31	12	30.3		B	DAO	170	16	8	3
9764		HOLL	01	01	2150	N14	W37	12	30.2		B	DHO	230	14	10	3
9764	30922	MWIL	01	01	2230	N14	W37	12	30.2	5	(B)					
9764		LEAR	01	02	0130	N14	W39	12	30.2		B	DAO	200	18	9	2
9764		VORO	01	02	0157	N14	W39	12	30.2			DAI	366	11	7	2
9764		KAND	01	02	0920	N14	W44	12	30.2			DSO		6	9	3
9764		SVTO	01	02	1015	N14	W45	12	30.1		B	DSO	180	9	10	2
9764		RAMY	01	02	1745	N15	W47	12	30.3		B	DAO	210	15	9	3
9764		LEAR	01	03	0010	N14	W52	12	30.2		B	DAO	210	13	10	4
9764		TACH	01	03	0544	N14	W52	12	30.4			CSO	141	3	7	3
9764		KAND	01	03	0835	N13	W58	12	30.1			DAO		5	10	2
9764		SVTO	01	03	0845	N13	W58	12	30.1		B	EHO	240	7	14	2
9764		RAMY	01	03	1245	N15	W58	12	30.2		B	DSO	80	3	9	3
9764		HOLL	01	03	1910	N16	W60	12	30.3		B	DAO	130	3	8	2
9764		LEAR	01	04	0045	N14	W64	12	30.3		B	EAO	220	8	12	3
9764		TACH	01	04	0459	N14	W67	12	30.2			CSO	52	2	8	3
9764		RAMY	01	04	1225	N13	W74	12	30.0		B	DSO	170	3	9	3
9764		HOLL	01	04	1805	N14	W80	12	29.8		A	HAX	120	2	2	3
9764		VORO	01	04	2358	N12	W81	12	30.0			HAX	137	1		2
9764		LEAR	01	05	1253	N13	W93	12	29.6		B	DAO	90	3	6	2
9755		VORO	12	24	2343	S03	E80	12	31.0			HAX	365	2		3
9755		LEAR	12	25	0010	S07	E76	12	30.7		A	HAX	180	2	5	3
9755		TACH	12	25	0525	S01	E72	12	30.6			HSX	80	1	3	2
9755		SVTO	12	25	0915	S04	E74	12	30.9		B	CKO	190	2	6	3
9755		RAMY	12	25	1300	S05	E71	12	30.8		B	DSO	230	4	6	2
9755		HOLL	12	25	1536	S04	E68	12	30.7		B	CAO	140	3	5	3
9755	30913	MWIL	12	25	2000	S02	E67	12	30.8	5	(BP)					
9755		VORO	12	25	2335	S04	E63	12	30.7			HAX	301	1		2
9755		LEAR	12	26	0028	S03	E62	12	30.6		B	CAO	190	6	5	3

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9755		TACH	12	26	0515	S02	E55	12	30.3			HSX	80	1	2	3
9755		KAND	12	26	0850	S03	E59	12	30.8			CSO		5	6	3
9755		RAMY	12	26	1440	S06	E54	12	30.6		B	DSO	230	5	5	4
9755		HOLL	12	26	1510	S04	E54	12	30.7		B	CHO	160	6	5	3
9755	30913	MWIL	12	26	1600	S03	E54	12	30.7	5	(BP)					
9755		VORO	12	26	2338	S03	E49	12	30.6			HKX	268	6		3
9755		LEAR	12	27	0120	S03	E50	12	30.8		B	CAO	130	6	5	2
9755		SVTO	12	27	1031	S03	E44	12	30.7		B	DSO	160	6	6	3
9755		RAMY	12	27	1254	S05	E42	12	30.7		B	CAO	160	10	5	3
9755	30913	MWIL	12	27	2300	S04	E37	12	30.7	5	BP					
9755		VORO	12	27	2339	S03	E36	12	30.7			HKX	234	7		3
9755		RAMY	12	28	1247	S04	E29	12	30.7		B	CSO	170	9	4	3
9755		LEAR	12	28	1300	S04	E36	12	31.2		B	CAO	140	5	3	3
9755		SVTO	12	28	1355	S04	E28	12	30.7		B	CSO	230	4	4	3
9755		HOLL	12	28	1738	S03	E26	12	30.7		B	CAO	120	6	4	1
9755		VORO	12	29	0003	S04	E23	12	30.7			HAX	222	6		2
9755		LEAR	12	29	0020	S03	E22	12	30.6		B	CAO	170	12	5	3
9755		TACH	12	29	0639	S02	E16	12	30.5			CAI	206	7	3	3
9755		KAND	12	29	0805	S04	E17	12	30.6			CAO		9	6	3
9755		SVTO	12	29	0915	S05	E18	12	30.7		B	DSO	200	12	9	2
9755		RAMY	12	29	1420	S03	E15	12	30.7		B	DSO	160	10	6	1
9755		HOLL	12	29	1600	S04	E14	12	30.7		B	BSO	170	12	5	2
9755		VORO	12	29	2348	S04	E10	12	30.7			HAX	191	4		2
9755		LEAR	12	30	0045	S04	E10	12	30.8		B	DSO	180	12	5	3
9755		TACH	12	30	0810	S01	E04	12	30.6			DSI	113	4	5	2
9755		RAMY	12	30	1305	S04	E04	12	30.8		B	DSI	90	7	5	2
9755		HOLL	12	30	1600	S04	E02	12	30.8		B	CSO	170	11	5	1
9755	30913	MWIL	12	30	1600	S04	W00	12	30.7	5	(BG)					
9755		VORO	12	30	2338	S04	W04	12	30.7			HAX	218	4		2
9755		LEAR	12	31	0030	S03	W04	12	30.7		B	DSO	170	7	4	2
9755		RAMY	12	31	1232	S04	W11	12	30.7		B	DSO	120	12	4	3
9755	30913	MWIL	12	31	1545	S04	W13	12	30.7	5	(AP)					
9755		VORO	01	01	0006	S04	W18	12	30.7			HAX	146	8		2
9755		LEAR	01	01	0050	S05	W17	12	30.9		B	DSO	120	8	4	3
9755		SVTO	01	01	0749	S04	W23	12	30.7		B	DSO	120	7	6	3
9755		TACH	01	01	0954	S02	W20	12	31.0			CAO	105	5	3	3
9755		RAMY	01	01	1351	S04	W25	12	30.8		B	CSO	170	17	4	3
9755		HOLL	01	01	2150	S04	W28	12	30.9		B	DHO	120	9	8	3
9755	30913	MWIL	01	01	2230	S03	W31	12	30.7	5	(BG)					
9755		LEAR	01	02	0130	S05	W32	12	30.8		B	DAO	140	7	5	2
9755		VORO	01	02	0157	S04	W33	12	30.7			HAX	160	5		2
9755		KAND	01	02	0920	S03	W36	12	30.8			CSO		3	3	3
9755		SVTO	01	02	1015	S04	W37	12	30.8		B	DSO	70	4	4	2
9755		RAMY	01	02	1745	S03	W41	12	30.8		B	CSO	60	6	4	3
9755		VORO	01	02	2358	S04	W45	12	30.7			HAX	119	2		2
9755		LEAR	01	03	0010	S04	W44	12	30.8		B	CSO	80	5	5	4
9755		TACH	01	03	0544	S03	W46	12	30.9			HSX	90	1	2	3
9755		KAND	01	03	0835	S04	W51	12	30.6			HS		1	1	2
9755		SVTO	01	03	0845	S04	W51	12	30.6		A	HSX	60	1	2	2
9755		RAMY	01	03	1245	S03	W51	12	30.8		B	DSI	80	3	5	3
9755		HOLL	01	03	1910	S03	W55	12	30.8		A	HAX	60	1	2	2
9755		LEAR	01	04	0045	S03	W56	12	30.9		B	DSO	80	6	8	3
9755		TACH	01	04	0459	S04	W60	12	30.8			HSX	55	1	2	3
9755		RAMY	01	04	1225	S04	W67	12	30.6		A	HSX	80	1	2	3
9755		HOLL	01	04	1805	S02	W69	12	30.7		A	HAX	110	2	2	3
9755		VORO	01	05	0032	S04	W72	12	30.7			HAX	63	1		2
9755		SVTO	01	05	0900	S05	W78	12	30.6		A	HSX	60	1	2	3
9755		LEAR	01	05	1253	S04	W73	12	31.1		A	HSX	60	1	3	2
9755	30913	MWIL	01	05	1600	S04	W80	12	30.8	4	AP					
9764A		SVTO	01	01	0749	N14	W21	12	30.8		A	AXX	10	2	2	3
9764A		SVTO	01	01	0749	N14	W21	12	30.8		A	AXX	10	2	2	3
9764B		VORO	01	01	0006	N06	W16	12	30.9			BXO	13		3	2
9769		RAMY	01	01	1351	S18	W16	12	31.3		B	BXO		2	1	3
9769		KAND	01	02	0920	S19	W25	12	31.5			BXO		5	3	3
9769		SVTO	01	02	1015	S18	W26	12	31.4		B	CSO	20	3	5	2
9769		RAMY	01	02	1745	S20	W30	12	31.4		B	DSO	30	5	3	3

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9769		VORO	01	02	2358	S20	W34	12	31.4			CAI	60		2	2
9769		LEAR	01	03	0010	S20	W35	12	31.3		B	DSO	40	9	7	4
9769		TACH	01	03	0544	S17	W35	12	31.6			BRO	57	3	2	3
9769		KAND	01	03	0835	S20	W39	12	31.4			DSO		3	4	2
9769		SVTO	01	03	0845	S19	W39	12	31.4		B	DSO	80	2	5	2
9769		RAMY	01	03	1245	S18	W42	12	31.3		B	DSO	40	4	5	3
9769		HOLL	01	03	1910	S19	W42	12	31.6		B	DAO	110	2	5	2
9769		LEAR	01	04	0045	S19	W47	12	31.4		B	CSO	38	3	4	3
9769		TACH	01	04	0459	S18	W48	12	31.5			BXO	25	2	3	3
9769		RAMY	01	04	1225	S20	W56	12	31.2		B	DSO	40	2	6	3
9769		HOLL	01	04	1805	S19	W58	12	31.3		B	DSO	80	2	4	3
9769		VORO	01	05	0032	S19	W61	12	31.4			HAX	78		2	2
9769		SVTO	01	05	0900	S21	W66	12	31.3		B	DSO	80	2	5	3
9769		LEAR	01	05	1253	S19	W62	12	31.8		B	DSO	50	4	5	2
9769		HOLL	01	05	1520	S15	W69	12	31.4		B	DSO	40	3	6	4
9769	30929	MWIL	01	05	1600	S19	W68	12	31.5	4	(B)					
9769		LEAR	01	06	0030	S19	W75	12	31.3		A	HSX	60	1	2	4
9769		VORO	01	06	0138	S19	W78	12	31.1			AXX	28		1	2
9769		SVTO	01	06	0736	S17	W80	12	31.2		A	AXX		1		3
9768		LEAR	01	01	0050	S05	W02	12	31.9		A	AXX	10	2	1	3
9768		SVTO	01	01	0749	S06	W07	12	31.8		B	BXO	10	2	3	3
9768		TACH	01	01	0954	S02	W06	01	1.0			AXX	5	1	1	3
9768		RAMY	01	01	1351	S06	W10	12	31.8		B	CAO	20	7	3	3
9768		HOLL	01	01	2150	S07	W15	12	31.8		B	CAI	50	9	4	3
9768	30927	MWIL	01	01	2230	S06	W16	12	31.7	4	(BG)					
9768		LEAR	01	02	0130	S06	W17	12	31.8		B	DAO	30	7	4	2
9768		KAND	01	02	0920	S07	W22	12	31.7			AX		1		3
9768		SVTO	01	02	1015	S06	W23	12	31.7		B	DSO	30	7	6	2
9768		RAMY	01	02	1745	S07	W30	12	31.5		B	DSO	20	6	7	3
9768		VORO	01	02	2358	S07	W34	12	31.4			CAI	44		2	2
9768		LEAR	01	03	0010	S07	W33	12	31.5		B	DSO	30	7	8	4
9768		TACH	01	03	0544	S06	W35	12	31.6			BXO	35	2	4	3
9768		KAND	01	03	0835	S08	W39	12	31.4			CSO		5	6	2
9768		SVTO	01	03	0845	S08	W38	12	31.5		B	CSO	50	4	7	2
9768		RAMY	01	03	1245	S07	W42	12	31.4		B	DSO	40	4	5	3
9768		HOLL	01	03	1910	S07	W41	12	31.7		A	HSX	50	2	4	2
9768		LEAR	01	04	0045	S07	W45	12	31.7		B	CSO	20	2	3	3
9768		TACH	01	04	0459	S06	W46	12	31.8			BRI	9	5	4	3
9768		RAMY	01	04	1225	S06	W53	12	31.5		B	DSO	50	18	5	3
9768		HOLL	01	04	1805	S06	W55	12	31.6		B	DAO	90	14	6	3
9768		VORO	01	05	0138	S05	W59	12	31.6			CAI	100		10	2
9768		SVTO	01	05	0900	S06	W65	12	31.5		B	DSO	220	11	10	3
9768		LEAR	01	05	1253	S07	W59	01	1.1		B	DSO	130	14	6	2
9768		HOLL	01	05	1520	S01	W67	12	31.6		B	DSI	130	12	8	4
9768	30927	MWIL	01	05	1600	S05	W67	12	31.6	5	(BF)					
9768		VORO	01	06	0019	S06	W74	12	31.5			DAI	332		5	2
9768		LEAR	01	06	0030	S06	W71	12	31.7		BG	DAO	300	10	10	4
9768		SVTO	01	06	0736	S04	W76	12	31.6		BG	DAO	240	5	10	3
9768		RAMY	01	06	1315	S04	W78	12	31.7		B	DAO	150	3	5	2
9768		HOLL	01	06	1521	S04	W79	12	31.7		B	CSO	110	5	8	2
9768	30927	MWIL	01	06	1800	S05	W80	12	31.8	5	BF					
9768		LEAR	01	07	0007	S06	W84	12	31.7		BG	DAO	120	5	8	3
9770		KAND	01	02	0920	N08	W20	12	31.9			BXO		2	3	3
9770		SVTO	01	02	1015	N07	W22	12	31.8		B	DSO	40	6	5	2
9770		RAMY	01	02	1745	N08	W26	12	31.8		B	CSO	20	10	4	3
9770		VORO	01	02	2358	N08	W29	12	31.8			BXO	42		4	2
9770		LEAR	01	03	0010	N08	W29	12	31.8		B	CRO	30	11	4	4
9770		TACH	01	03	0544	N08	W30	01	1.0			BRI	8	7	3	3
9770		KAND	01	03	0835	N07	W33	12	31.9			BXO		8	6	2
9770		SVTO	01	03	0845	N08	W33	12	31.9		B	BXO	40	10	4	2
9770		RAMY	01	03	1245	N09	W35	12	31.9		B	CSO	50	8	5	3
9770		HOLL	01	03	1910	N09	W39	12	31.9		B	DAO	70	8	4	2
9770		LEAR	01	04	0045	N07	W43	12	31.8		B	CSO	50	8	5	3
9770		TACH	01	04	0459	N09	W44	12	31.9			BRI	7	4	4	3
9770		LEAR	01	05	1253	N07	W56	01	1.3		B	CSO	90	10	6	2