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

OCTOBER 2003

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
10474	31893	MWIL	10	03	1445	S15	W31	10	1.3	4	(B)					
10474		VORO	10	04	0040	S14	W36	10	1.3			AXX	5	3		3
10474		VORO	10	04	0040	S15	W36	10	1.3			AXX	3	2		3
10474		KAND	10	04	1155	S15	W43	10	1.2			AX		2	1	3
10474	31893	MWIL	10	04	1445	S15	W44	10	1.3	4	(B)					
10474		HOLL	10	04	1545	S14	W45	10	1.2		B	CSO	20	4	6	2
10474		KAND	10	05	0920	S14	W55	10	1.2			AX		1		3
10474	31893	MWIL	10	05	1445	S14	W58	10	1.2	4	(AF)					
10474		HOLL	10	05	1520	S14	W56	10	1.4		A	AXX	10	1	1	3
10472	31886	MWIL	09	29	1430	S19	E25	10	1.5	4	(BG)					
10472		VORO	09	29	2211	S22	E23	10	1.7			AXX	4	1		4
10472		HOLL	09	30	1434	S22	E14	10	1.7		A	AXX		1	1	4
10472	31886	MWIL	09	30	1445	S23	E17	10	1.9	4	(B)					
10472		LEAR	10	01	0010	S23	E10	10	1.8		B	BXO	10	2	2	3
10472		VORO	10	01	0320	S22	E09	10	1.8			DRO	18	3	2	4
10472		TACH	10	01	0608	S23	E08	10	1.9			BXO	9	2	2	3
10472		SVTO	10	01	0817	S23	E07	10	1.9		B	DSO	20	2	3	3
10472		KAND	10	01	1130	S23	E05	10	1.9			BXO		5	4	4
10472		HOLL	10	01	1426	S22	E02	10	1.7		B	DSO	30	10	5	3
10472	31886	MWIL	10	01	1500	S22	E03	10	1.8	5	(B)					
10472		VORO	10	01	2314	S22	W02	10	1.8			DRI	52	6	4	4
10472		LEAR	10	02	0032	S22	W04	10	1.7		B	DAO	50	6	6	2
10472		TACH	10	02	0527	S23	W07	10	1.7			BRO	24	4	4	3
10472		KAND	10	02	0800	S22	W06	10	1.9			CRO		6	7	3
10472		SVTO	10	02	0803	S22	W08	10	1.7		B	DSO	40	5	6	3
10472	31886	MWIL	10	02	1515	S22	W12	10	1.7	5	(B)					
10472		HOLL	10	02	2035	S23	W17	10	1.5		B	BXO	10	7	7	2
10472		VORO	10	02	2232	S22	W15	10	1.8			DRI	48	6	7	3
10472		LEAR	10	03	0211	S21	W18	10	1.7		B	DAO	40	7	7	2
10472		SVTO	10	03	1045	S22	W23	10	1.7		B	CRO	20	2	8	2
10472		KAND	10	03	1055	S21	W27	10	1.4			AX		2	1	4
10472		KAND	10	03	1055	S22	W20	10	1.9			AX		3	2	4
10472	31886	MWIL	10	03	1445	S22	W25	10	1.7	5	(B)					
10472		HOLL	10	03	1810	S22	W31	10	1.4		A	HAX	10	1	1	3
10472		LEAR	10	04	0007	S21	W35	10	1.3		B	CAO	20	2	1	4
10472		VORO	10	04	0040	S22	W35	10	1.3			HRX	17	1		3
10472		SVTO	10	04	1134	S23	W40	10	1.4		A	HRX	10	1	1	2
10472		KAND	10	04	1155	S22	W42	10	1.3			AX		2	1	3
10472	31886	MWIL	10	04	1445	S22	W43	10	1.3	4	(AP)					
10472		HOLL	10	04	1545	S21	W42	10	1.4		A	HSX	20	2	2	2
10472		VORO	10	04	2347	S24	W48	10	1.3			HRX	14	2		3
10472		LEAR	10	05	0033	S24	W50	10	1.2		B	CSO	10	3	1	3
10472A		HOLL	10	01	1426	S07	E03	10	1.8		B	BXO	10	2	3	3
10470	31885	MWIL	09	28	1430	S15	E47	10	2.2	3	(BG)					
10470		VORO	09	28	2214	S14	E45	10	2.3			HRX	12	1		4
10470		LEAR	09	29	0205	S13	E44	10	2.4		A	HSX	20	1	1	2
10470		TACH	09	29	0600	S16	E45	10	2.7			BXO	8	2	7	4
10470		KAND	09	29	0615	S13	E42	10	2.4			AX		2	1	4
10470	31885	MWIL	09	29	1430	S13	E36	10	2.3	4	(B)					
10470		HOLL	09	29	1500	S13	E36	10	2.3		B	DSO	40	6	3	3
10470		VORO	09	29	2211	S13	E31	10	2.3			CRI	29	3	3	4
10470		LEAR	09	30	0122	S13	E30	10	2.3		B	DSO	30	5	4	2
10470		TACH	09	30	0533	S13	E26	10	2.2			BRI	26	5	4	4
10470		HOLL	09	30	1434	S12	E23	10	2.3		B	DSO	40	8	7	4
10470	31885	MWIL	09	30	1445	S13	E22	10	2.3	5	(B)					
10470		LEAR	10	01	0010	S13	E17	10	2.3		B	DSO	30	8	7	3
10470		VORO	10	01	0320	S13	E14	10	2.2			DRI	42	6	6	4
10470		TACH	10	01	0608	S14	E13	10	2.2			BRO	8	4	5	3
10470		SVTO	10	01	0817	S14	E13	10	2.3		B	CSO	30	7	7	3
10470		KAND	10	01	1130	S14	E10	10	2.2			BXO		9	7	4
10470		HOLL	10	01	1426	S13	E07	10	2.1		B	DAO	30	5	7	3
10470	31885	MWIL	10	01	1500	S14	E08	10	2.2	4	(B)					
10470		VORO	10	01	2314	S14	E03	10	2.2			DRI	37	7	6	4
10470		LEAR	10	02	0032	S14	E02	10	2.2		B	CAO	30	5	7	2
10470		TACH	10	02	0527	S14	E02	10	2.4			AR	11	2	1	3
10470		KAND	10	02	0800	S12	E02	10	2.5			AX		2	1	3

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10470		SVTO	10	02	0803	S14	E01	10	2.4		A	HSX	20	2	1	3
10470	31885	MWIL	10	02	1515	S14	W06	10	2.2	4	(BF)					
10470		VORO	10	02	2232	S13	W07	10	2.4			AXX	8	4		3
10470		LEAR	10	03	0211	S12	W18	10	1.7		B	DAO	40	7	7	2
10470	31885	MWIL	10	03	1445	S14	W21	10	2.0	4	(B)					
10470		HOLL	10	03	1810	S14	W22	10	2.1		B	CSO	10	3	9	3
10470	31885	MWIL	10	04	1445	S14	W32	10	2.2	4	(AF)					
10470		LEAR	10	05	0033	S13	W37	10	2.2		B	CSO	20	2	3	3
10470A		KAND	09	29	0615	S20	E50	10	3.1			AX		1		4
10470A	31887	MWIL	09	29	1430	S19	E44	10	3.0	4	(B)					
10470B		VORO	10	01	2314	N10	E17	10	3.2			AXX	8	4		4
10470B		LEAR	10	02	0032	N10	E16	10	3.2		A	AXX	10	1	1	2
10470B		KAND	10	02	0800	N11	E11	10	3.2			BXO		3	3	3
10470B	31891	MWIL	10	02	1515	N10	E07	10	3.2	4	(B)					
10470B		VORO	10	02	2232	N10	E04	10	3.2			AXX	4	2		3
10473		TACH	09	29	0600	S07	E76	10	4.9			HSX	69	1	2	4
10473		KAND	09	29	0615	S07	E84	10	5.5			HS		1	2	4
10473	31888	MWIL	09	29	1430	S07	E77	10	5.4	5	(AP)					
10473		HOLL	09	29	1500	S08	E77	10	5.4		A	HAX	120	1	2	3
10473		VORO	09	29	2211	S07	E71	10	5.2			HKX	174	1		4
10473		LEAR	09	30	0122	S07	E72	10	5.4		A	HAX	120	1	3	2
10473		TACH	09	30	0533	S07	E67	10	5.2			HSX	204	1	2	4
10473		HOLL	09	30	1434	S07	E60	10	5.1		B	DSI	230	15	9	4
10473	31888	MWIL	09	30	1445	S07	E64	10	5.4	5	(AP)					
10473		VORO	10	01	0320	S07	E56	10	5.3			HKX	190	1		4
10473		TACH	10	01	0608	S08	E54	10	5.3			HSX	89	1	1	3
10473		KAND	10	01	1130	S08	E53	10	5.4			HS		1	2	4
10473	31888	MWIL	10	01	1500	S07	E50	10	5.4	5	(AP)					
10473		VORO	10	01	2314	S07	E45	10	5.3			HHX	171	4		4
10473		TACH	10	02	0527	S08	E42	10	5.4			HSX	119	1	2	3
10473		KAND	10	02	0800	S07	E41	10	5.4			HS		3	3	3
10473	31888	MWIL	10	02	1515	S07	E37	10	5.4	5	(AP)					
10473		VORO	10	02	2232	S07	E32	10	5.3			HHX	144	2		3
10473		LEAR	10	03	0211	S08	E30	10	5.3		A	HSX	120	1	2	2
10473		SVTO	10	03	1045	S07	E27	10	5.5		A	HSX	100	1	2	2
10473		KAND	10	03	1055	S06	E26	10	5.4			HS		1	2	4
10473	31888	MWIL	10	03	1445	S07	E27	10	5.6	5	(AP)					
10473		HOLL	10	03	1810	S07	E23	10	5.5		B	CSO	90	6	3	3
10473		LEAR	10	04	0007	S10	E19	10	5.4		B	DSO	150	9	4	4
10473		VORO	10	04	0040	S07	E18	10	5.4			HHX	171	5		3
10473		SVTO	10	04	1134	S07	E14	10	5.5		A	HSX	180	1	4	2
10473		KAND	10	04	1155	S07	E12	10	5.4			HS		3	4	3
10473	31888	MWIL	10	04	1445	S07	E12	10	5.5	5	(AP)					
10473		HOLL	10	04	1545	S08	E12	10	5.5		B	CSO	90	9	4	2
10473		VORO	10	04	2347	S07	E06	10	5.4			HHX	169	7		3
10473		LEAR	10	05	0033	S08	E05	10	5.4		B	CSO	150	7	3	3
10473		KAND	10	05	0920	S07	E00	10	5.4			HA		1	2	3
10473	31888	MWIL	10	05	1445	S08	W01	10	5.5	5	(AP)					
10473		HOLL	10	05	1520	S09	W02	10	5.5		B	CHO	100	3	5	3
10473		VORO	10	05	2220	S07	W06	10	5.5			HHX	163	8		4
10473		VORO	10	05	2220	S08	W01	10	5.8			AXX	9	6		4
10473		LEAR	10	06	0050	S09	W05	10	5.6		B	CHO	120	5	10	1
10473		SVTO	10	06	0625	S09	W09	10	5.6		B	CSO	120	3	6	3
10473		KAND	10	06	0705	S08	W10	10	5.5			HS		7	7	3
10473		HOLL	10	06	1502	S09	W12	10	5.7		B	CAO	120	9	6	4
10473	31888	MWIL	10	06	1615	S08	W15	10	5.5	5	(AP)					
10473		VORO	10	06	2228	S08	W20	10	5.4			HHX	135	1		3
10473		LEAR	10	07	0026	S09	W19	10	5.6		B	CSO	120	5	5	2
10473		KAND	10	07	0745	S07	W25	10	5.4			HS		1	2	2
10473		SVTO	10	07	1209	S08	W27	10	5.5		A	HSX	110	1	2	2
10473	31888	MWIL	10	07	1445	S09	W28	10	5.5	5	(AP)					
10473		LEAR	10	08	0006	S09	W33	10	5.5		B	CSO	100	3	4	3
10473		KAND	10	08	0555	S07	W39	10	5.3			HS		1	2	3
10473		TACH	10	08	0559	S08	W37	10	5.5			HSX	162	1	2	3
10473	31888	MWIL	10	08	1445	S08	W41	10	5.5	5	(AP)					
10473		LEAR	10	09	0110	S08	W49	10	5.4		A	HSX	60	1	2	3

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10473		TACH	10	09	0535	S08	W51	10	5.4			HSX	166	1	2	4
10473		KAND	10	09	0705	S08	W52	10	5.4			HS		1	2	2
10473		SVTO	10	09	0909	S09	W54	10	5.3		A	HSX	140	1	4	3
10473		HOLL	10	09	1445	S08	W57	10	5.3		A	HHX	60	1	3	4
10473		LEAR	10	10	0115	S08	W62	10	5.4		A	HSX	120	1	3	4
10473		SVTO	10	10	0615	S09	W66	10	5.3		A	HSX	120	1	3	3
10473		KAND	10	10	1235	S08	W70	10	5.3			HS		1	3	3
10473	31888	MWIL	10	10	1500	S07	W69	10	5.4	5	(AP)					
10473		HOLL	10	10	1541	S07	W69	10	5.5		B	CHO	50	3	5	4
10473		LEAR	10	11	0058	S08	W76	10	5.3		A	HHX	120	1	3	3
10473		TACH	10	11	0540	S08	W78	10	5.4			HR	190	2	4	3
10473		SVTO	10	11	0630	S09	W85	10	4.9		A	HSX	60	1	4	3
10473		HOLL	10	11	1439	S08	W90	10	4.9		A	HAX	60	1	1	4
10473	31888	MWIL	10	11	1500	S08	W82	10	5.5	4	(AP)					
10473A		TACH	10	11	0540	N07	W68	10	6.1			HXX	39	1	1	3
10473A		HOLL	10	11	1439	N08	W71	10	6.3		B	CSO	60	3	3	4
10473A	31902	MWIL	10	11	1500	N08	W72	10	6.2	4	(B)					
10473A		LEAR	10	12	0039	N08	W82	10	5.9		A	AXX	30	1	2	2
10473B	31890	MWIL	10	01	1500	S01	E62	10	6.2	4	(AF)					
10471	31889	MWIL	09	30	1445	S08	E79	10	6.5	5	BG					
10471		LEAR	10	01	0010	S08	E65	10	5.9		B	ESI	360	12	23	3
10471		VORO	10	01	0320	S08	E72	10	6.5			EAI	528	18	5	4
10471		TACH	10	01	0608	S07	E68	10	6.3			CAI	233	8	3	3
10471		SVTO	10	01	0817	S06	E61	10	5.9		B	FSO	360	12	24	3
10471		KAND	10	01	1130	S09	E60	10	6.0			EAI		20	12	4
10471		HOLL	10	01	1426	S09	E59	10	6.0		B	FSI	270	37	21	3
10471	31889	MWIL	10	01	1500	S08	E66	10	6.6	5	(BG)					
10471		VORO	10	01	2314	S08	E60	10	6.5			ERI	388	20	11	4
10471		LEAR	10	02	0032	S08	E54	10	6.1		BG	FSO	410	15	20	2
10471		TACH	10	02	0527	S09	E56	10	6.4			CAI	142	19	12	3
10471		KAND	10	02	0800	S08	E58	10	6.7			EAO		16	15	3
10471		SVTO	10	02	0803	S08	E50	10	6.1		BG	FKO	590	16	23	3
10471	31889	MWIL	10	02	1515	S07	E52	10	6.5	5	(BG)					
10471		HOLL	10	02	2035	S09	E50	10	6.6		B	FSO	250	19	21	2
10471		VORO	10	02	2232	S08	E47	10	6.5			EAI	397	18	12	3
10471		LEAR	10	03	0211	S08	E46	10	6.5		BG	EAI	310	41	11	2
10471		SVTO	10	03	1045	S08	E43	10	6.7		B	ESI	170	24	11	2
10471		KAND	10	03	1055	S07	E42	10	6.6			EAO		28	11	4
10471	31889	MWIL	10	03	1445	S07	E40	10	6.6	5	(D)					
10471		HOLL	10	03	1810	S08	E38	10	6.6		BG	EAI	140	29	14	3
10471		LEAR	10	04	0007	S10	E34	10	6.5		BG	EAC	240	31	12	4
10471		VORO	10	04	0040	S08	E34	10	6.6			EAI	367	23	10	3
10471		SVTO	10	04	1134	S07	E29	10	6.6		B	EAI	180	22	15	2
10471		KAND	10	04	1155	S08	E29	10	6.7			ESI		33	12	3
10471	31889	MWIL	10	04	1445	S09	E27	10	6.6	5	(D)					
10471		HOLL	10	04	1545	S07	E27	10	6.7		BG	EAC	170	50	13	2
10471		VORO	10	04	2347	S07	E21	10	6.6			EAI	307	39	11	3
10471		LEAR	10	05	0033	S08	E21	10	6.6		BG	EAI	120	44	14	3
10471		KAND	10	05	0920	S08	E17	10	6.7			EAI		32	13	3
10471	31889	MWIL	10	05	1445	S07	E13	10	6.6	5	(D)					
10471		HOLL	10	05	1520	S08	E12	10	6.5		B	EKI	140	32	14	3
10471		VORO	10	05	2220	S07	E08	10	6.5			CAI	239	31	13	4
10471		LEAR	10	06	0050	S09	E08	10	6.6		BG	DAI	110	22	10	1
10471		SVTO	10	06	0625	S08	E06	10	6.7		BG	EAI	200	15	14	3
10471		KAND	10	06	0705	S08	E07	10	6.8			EAI		26	14	3
10471		HOLL	10	06	1502	S08	E01	10	6.7		BG	EAI	140	35	12	4
10471	31889	MWIL	10	06	1615	S07	E01	10	6.7	5	(BG)					
10471		VORO	10	06	2228	S08	W04	10	6.6			DAI	190	17	9	3
10471		LEAR	10	07	0026	S08	W05	10	6.6		BG	EAI	200	28	11	2
10471		KAND	10	07	0745	S08	W07	10	6.8			EAC		13	11	2
10471		SVTO	10	07	1209	S08	W11	10	6.7		B	DAC	180	15	10	2
10471	31889	MWIL	10	07	1445	S08	W12	10	6.7	5	(BG)					
10471		LEAR	10	08	0006	S08	W18	10	6.6		BG	DAI	270	32	10	3
10471		KAND	10	08	0555	S07	W20	10	6.7			EAC		15	12	3
10471		TACH	10	08	0559	S09	W22	10	6.6			DAI	225	17	8	3
10471	31889	MWIL	10	08	1445	S08	W25	10	6.7	5	(BG)					

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10471		LEAR	10	09	0110	S08	W32	10	6.6		BG	DAI	110	19	11	3
10471		TACH	10	09	0535	S09	W35	10	6.6			DAI	203	14	10	4
10471		KAND	10	09	0705	S07	W34	10	6.7			DAO		14	8	2
10471		SVTO	10	09	0909	S09	W36	10	6.7		B	DSI	160	15	8	3
10471		HOLL	10	09	1445	S07	W38	10	6.8		B	DAC	140	22	8	4
10471		LEAR	10	10	0115	S08	W45	10	6.7		B	DAI	140	26	9	4
10471		SVTO	10	10	0615	S08	W47	10	6.7		B	ESI	80	19	11	3
10471		KAND	10	10	1235	S08	W50	10	6.8			DAO		9	9	3
10471	31889	MWIL	10	10	1500	S08	W51	10	6.8	4	(BG)					
10471		HOLL	10	10	1541	S08	W53	10	6.7		B	DAI	50	20	10	4
10471		LEAR	10	11	0058	S08	W57	10	6.8		B	DAO	90	22	9	3
10471		TACH	10	11	0540	S06	W59	10	6.8			DAI	116	12	7	3
10471		SVTO	10	11	0630	S07	W62	10	6.6		B	ESO	120	13	12	3
10471		KAND	10	11	1300	S07	W67	10	6.5			DAO		3	10	1
10471		HOLL	10	11	1439	S07	W64	10	6.8		B	DAO	120	19	9	4
10471	31889	MWIL	10	11	1500	S07	W65	10	6.7	4	(B)					
10471		LEAR	10	12	0039	S07	W71	10	6.7		B	CSO	120	3	7	2
10471		KAND	10	12	0655	S07	W80	10	6.3			HR		1	2	3
10471		TACH	10	12	0705	S08	W79	10	6.4			HXX	28	1	2	3
10471		SVTO	10	12	1030	S09	W80	10	6.4		A	HSX	40	1	1	3
10471	31889	MWIL	10	12	1500	S07	W83	10	6.4	4	AF					
10476	31892	MWIL	10	02	1515	S15	E64	10	7.5	4	(AP)					
10476		HOLL	10	06	1502	S16	E16	10	7.8		A	HAX	10	1	1	4
10476	31895	MWIL	10	06	1615	S17	E15	10	7.8	4	(AP)					
10476		LEAR	10	07	0026	S17	E11	10	7.8		B	BXO	10	2	2	2
10478		LEAR	10	07	0026	N11	E33	10	9.5		B	BXO	10	2	3	2
10478	31897	MWIL	10	07	1445	N11	E25	10	9.5	4	(AP)					
10478		LEAR	10	08	0006	N12	E21	10	9.6		A	AXX	10	1	1	3
10478	31897	MWIL	10	08	1445	N12	E13	10	9.6	4	(B)					
10478		LEAR	10	09	0110	N11	E07	10	9.6		B	BXO	10	3	3	3
10478		TACH	10	09	0535	N14	E06	10	9.7			BRO	13	3	3	4
10478		KAND	10	09	0705	N09	E03	10	9.5			AX		1	1	2
10478		SVTO	10	09	0909	N09	E02	10	9.5		A	HRX	10	1	1	3
10478		HOLL	10	09	1445	N09	W02	10	9.5		A	AXX		1	1	4
10478		LEAR	10	10	0115	N09	W08	10	9.4		A	AXX	10	1	1	4
10478		LEAR	10	11	0058	N12	W19	10	9.6		A	AXX	10	1	1	3
10475		VORO	10	04	0040	S23	E70	10	9.4			HRX	12	1		3
10475	31894	MWIL	10	04	1445	S23	E69	10	9.9	4	(AP)					
10475		HOLL	10	04	1545	S21	E67	10	9.8		A	AXX	10	2	1	2
10475		LEAR	10	05	0033	S22	E58	10	9.5		B	CSO	20	3	2	3
10475		KAND	10	05	0920	S23	E55	10	9.6			AX		1	1	3
10475	31894	MWIL	10	05	1445	S23	E52	10	9.6	4	(B)					
10475		HOLL	10	05	1520	S23	E52	10	9.6		B	CSO	20	2	2	3
10475		VORO	10	05	2220	S22	E46	10	9.5			HRX	13	2		4
10475		LEAR	10	06	0050	S23	E46	10	9.6		B	CSO	20	2	1	1
10475		KAND	10	06	0705	S22	E42	10	9.5			AX		1		3
10475		KAND	10	10	1235	S22	W08	10	9.9			AX		3	1	3
10475	31900	MWIL	10	10	1500	S21	W10	10	9.8	4	(AF)					
10475A		HOLL	10	09	1445	N08	E15	10	10.7		A	AXX		1	1	4
10475A	31899	MWIL	10	10	1500	N12	E03	10	10.8	4	(AP)					
10475B	31903	MWIL	10	11	1500	N15	W00	10	11.6	4	(BF)					
10475B		HOLL	10	13	1550	N15	W31	10	11.3		A	AXX	10	4	3	3
10477		KAND	10	06	0705	S14	E85	10	12.7			HS		1	2	3
10477		HOLL	10	06	1502	S15	E76	10	12.4		A	HSX	60	1	1	4
10477	31896	MWIL	10	06	1615	S15	E75	10	12.3	4	(AP)					
10477		VORO	10	06	2228	S14	E70	10	12.2			HRX	22	1		3
10477		LEAR	10	07	0026	S15	E70	10	12.3		A	HAX	40	4	2	2
10477		KAND	10	07	0745	S15	E68	10	12.5			HA		1	2	2
10477		SVTO	10	07	1209	S14	E67	10	12.6		A	HSX	50	1	2	2
10477	31896	MWIL	10	07	1445	S15	E63	10	12.4	4	(B)					
10477		LEAR	10	08	0006	S15	E58	10	12.4		B	CSO	40	4	3	3
10477		KAND	10	08	0555	S15	E56	10	12.5			CSO		2	3	3
10477		TACH	10	08	0559	S15	E56	10	12.5			BXO	28	2	3	3

S U N S P O T G R O U P S
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OCTOBER 2003

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
10477	31896	MWIL	10	08	1445	S14	E50	10	12.4	4	(B)					
10477		LEAR	10	09	0110	S15	E44	10	12.4		B	CSO	30	2	3	3
10477		TACH	10	09	0535	S14	E42	10	12.4			CSO	80	3	3	4
10477		SVTO	10	09	0909	S15	E39	10	12.3		A	HSX	50	1	2	3
10477		HOLL	10	09	1445	S15	E37	10	12.4		B	CHI	70	7	4	4
10477		LEAR	10	10	0115	S15	E31	10	12.4		B	CSO	50	2	2	4
10477		SVTO	10	10	0615	S15	E27	10	12.3		A	HSX	40	1	2	3
10477		KAND	10	10	1235	S15	E24	10	12.3			CSO		2	3	3
10477	31896	MWIL	10	10	1500	S14	E23	10	12.4	5	(B)					
10477		HOLL	10	10	1541	S14	E23	10	12.4		B	CKI	40	5	4	4
10477		LEAR	10	11	0058	S15	E17	10	12.3		B	CSO	50	2	2	3
10477		TACH	10	11	0540	S13	E14	10	12.3			AXX	13	2	1	3
10477		SVTO	10	11	0630	S15	E14	10	12.3		B	CSO	30	2	2	3
10477		KAND	10	11	1300	S15	E10	10	12.3			HS		1	2	1
10477		HOLL	10	11	1439	S12	E08	10	12.2		B	DAO	60	12	7	4
10477	31896	MWIL	10	11	1500	S13	E08	10	12.2	5	(BG)					
10477		LEAR	10	12	0039	S14	E04	10	12.3		B	CSO	60	3	3	2
10477		KAND	10	12	0655	S14	E01	10	12.4			HA		2	2	3
10477		TACH	10	12	0705	S14	E01	10	12.4			AR	13	2	1	3
10477		SVTO	10	12	1030	S14	W01	10	12.4		A	HSX	40	2	2	3
10477	31896	MWIL	10	12	1500	S14	W04	10	12.3	4	(BP)					
10477		HOLL	10	12	1505	S16	W04	10	12.3		B	CSO	20	3	4	2
10477		VORO	10	12	2220	S15	W08	10	12.3			HSX	31	2		2
10477		LEAR	10	13	0004	S15	W09	10	12.3		A	HAX	20	3	2	3
10477		TACH	10	13	0557	S14	W12	10	12.3			AR	7	2	1	4
10477		KAND	10	13	0800	S15	W12	10	12.4			HA		2	2	3
10477	31896	MWIL	10	13	1500	S15	W17	10	12.3	4	(AP)					
10477		HOLL	10	13	1550	S15	W18	10	12.3		A	AXX	10	3	2	3
10477		VORO	10	13	2251	S15	W21	10	12.4			AXX	14	4		3
10477		LEAR	10	14	0000	S15	W22	10	12.3		A	HAX	20	3	1	3
10477		TACH	10	14	0523	S15	W24	10	12.4			AR	8	2	1	3
10477		KAND	10	14	0645	S15	W25	10	12.4			AX		3	2	3
10477		SVTO	10	14	0818	S15	W25	10	12.4		A	HRX	10	2	1	3
10477	31896	MWIL	10	14	1500	S14	W32	10	12.2	4	(AP)					
10477		HOLL	10	14	1647	S14	W33	10	12.2		A	AXX	10	1	1	3
10477		HOLL	10	15	1430	S14	W44	10	12.3		B	BXO	10	2	3	3
10477	31896	MWIL	10	15	1500	S14	W45	10	12.2	4	(B)					
10477		VORO	10	16	0022	S14	W49	10	12.3			CAI	49	6	4	3
10477		LEAR	10	16	0125	S13	W51	10	12.2		B	BXO	40	5	4	2
10477		TACH	10	16	0520	S16	W54	10	12.1			DAO	78	3	5	3
10477		SVTO	10	16	1315	S15	W58	10	12.2		B	DSO	80	6	6	3
10477	31896	MWIL	10	16	1500	S14	W57	10	12.3	4	(B)					
10477		HOLL	10	16	1538	S14	W58	10	12.3		B	BXO	30	4	6	3
10477		VORO	10	16	2244	S14	W61	10	12.3			BXO	14	3	6	3
10477		LEAR	10	17	0033	S14	W65	10	12.1		B	BXO	50	3	8	3
10477		SVTO	10	17	0726	S15	W74	10	11.7		A	HSX	30	1	3	2
10477		HOLL	10	17	1457	S17	W70	10	12.3		A	AXX	30	2	2	2
10477	31896	MWIL	10	17	1500	S14	W73	10	12.1	3	(AP)					
10477A	31898	MWIL	10	07	1445	N12	E73	10	13.1	4	(AP)					
10477A		LEAR	10	08	0006	N12	E68	10	13.1		A	AXX	10	1	1	3
10477A		KAND	10	08	0555	N12	E70	10	13.5			AX		1	1	3
10477A		TACH	10	08	0559	N12	E68	10	13.4			AXX	7	1	1	3
10477A	31898	MWIL	10	08	1445	N13	E62	10	13.3	4	(AF)					
10477A		LEAR	10	09	0110	N12	E57	10	13.3		A	AXX	10	1	1	3
10477A	31898	MWIL	10	10	1500	N12	E33	10	13.1	4	(B)					
10477A		HOLL	10	10	1541	N12	E33	10	13.1		B	BXO		5	4	4
10477A	31898	MWIL	10	11	1500	N12	E20	10	13.1	4	(B)					
10480A		TACH	10	15	0613	N04	W18	10	13.9			AXX	13	1	1	3
10480		VORO	10	14	2358	N19	W13	10	14.0			BXO	10	4	2	3
10480		LEAR	10	15	0008	N20	W13	10	14.0		B	BXO	30	6	3	3
10480		TACH	10	15	0613	N20	W17	10	13.9			BRO	64	4	3	3
10480		KAND	10	15	0805	N20	W17	10	14.0			CAO		6	4	4
10480		HOLL	10	15	1430	N20	W21	10	14.0		B	BXO	30	8	4	3
10480	31904	MWIL	10	15	1500	N20	W22	10	13.9	4	(B)					
10480		VORO	10	16	0022	N20	W26	10	14.0			CRO	37	7	4	3
10480		LEAR	10	16	0125	N21	W27	10	14.0		B	BXO	30	3	5	2

S U N S P O T G R O U P S
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OCTOBER 2003

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10480		TACH	10	16	0520	N20	W30	10	13.9			CAO	56	3	5	3
10480		SVTO	10	16	1315	N20	W36	10	13.8		B	DRO	50	3	6	3
10480	31904	MWIL	10	16	1500	N20	W35	10	13.9	4	(B)					
10480		HOLL	10	16	1538	N20	W35	10	14.0		B	BXO	30	3	6	3
10480		VORO	10	16	2244	N20	W36	10	14.2			ARX	12	1		3
10480		LEAR	10	17	0033	N21	W39	10	14.0		A	AXX	10	2	1	3
10479		LEAR	10	10	0115	N24	E74	10	15.8		A	AXX	20	1	1	4
10479		KAND	10	10	1235	N23	E76	10	16.4			HR		1	2	3
10479	31901	MWIL	10	10	1500	N24	E68	10	15.9	4	(BF)					
10479		HOLL	10	10	1541	N24	E67	10	15.8		B	CRO	10	5	7	4
10479		LEAR	10	11	0058	N23	E63	10	15.9		A	HAX	50	1	2	3
10479		TACH	10	11	0540	N24	E59	10	15.8			CSO	109	2	5	3
10479		SVTO	10	11	0630	N24	E63	10	16.1		A	HSX	20	1	1	3
10479		KAND	10	11	1300	N23	E59	10	16.1			HR		1	1	1
10479		HOLL	10	11	1439	N23	E55	10	15.8		B	CSO	20	4	6	4
10479	31901	MWIL	10	11	1500	N23	E55	10	15.9	4	(B)					
10479		LEAR	10	12	0039	N23	E52	10	16.0		A	AXX	30	1	1	2
10479		KAND	10	12	0655	N23	E49	10	16.1			HS		1	1	3
10479		TACH	10	12	0705	N25	E49	10	16.1			AXX	12	1	1	3
10479		SVTO	10	12	1030	N24	E47	10	16.1		A	HSX	10	1	1	3
10479	31901	MWIL	10	12	1500	N23	E43	10	15.9	4	(B)					
10479		HOLL	10	12	1505	N23	E43	10	15.9		B	CSO	20	2	3	2
10479		VORO	10	12	2220	N23	E39	10	15.9			AXX	11	1		2
10479		LEAR	10	13	0004	N23	E39	10	16.0		A	HAX	20	2	1	3
10479		TACH	10	13	0557	N24	E36	10	16.0			AXX	3	1	1	4
10479		VORO	10	13	2251	N21	E28	10	16.1			BXO	12	7	6	3
10479		LEAR	10	14	0000	N24	E19	10	15.5		B	BXO	10	3	2	3
10479		SVTO	10	14	0818	N24	E15	10	15.5		A	HRX	10	1	1	3
10479		HOLL	10	17	1457	N24	W27	10	15.5		A	HAX	10	2	2	2
10479	31906	MWIL	10	17	1500	N26	W28	10	15.4	4	(B)					
10479		LEAR	10	18	0037	N26	W32	10	15.5		B	BXO	10	3	5	3
10479		HOLL	10	18	1419	N24	W40	10	15.5		B	CSO	20	4	3	4
10479	31906	MWIL	10	18	1630	N26	W42	10	15.4	4	(BP)					
10479		LEAR	10	19	0037	N25	W46	10	15.5		B	BXO	10	3	3	3
10479	31906	MWIL	10	19	1500	N25	W55	10	15.4	3	(AP)					
10479		HOLL	10	19	1530	N25	W55	10	15.4		A	AXX	10	1	1	4
10479		LEAR	10	20	0017	N25	W59	10	15.4		B	BXO	10	2	5	3
10479		LEAR	10	21	0014	N25	W72	10	15.4		A	AXX	10	1	1	4
10481		SVTO	10	17	0726	S08	W09	10	16.6		B	DSO	20	3	3	2
10481		HOLL	10	17	1457	S08	W13	10	16.6		B	CAO	30	6	4	2
10481	31907	MWIL	10	17	1500	S08	W14	10	16.6	4	(B)					
10481		VORO	10	17	2252	S09	W18	10	16.6			CAO	30	7	3	3
10481		LEAR	10	18	0037	S08	W19	10	16.6		B	BXO	40	9	3	3
10481		TACH	10	18	0625	S09	W22	10	16.6			CSO	60	2	3	3
10481		HOLL	10	18	1419	S08	W27	10	16.6		B	CSO	30	8	5	4
10481	31907	MWIL	10	18	1630	S08	W28	10	16.6	4	(BP)					
10481		VORO	10	18	2331	S10	W34	10	16.4			HRX	26	1		3
10481		LEAR	10	19	0037	S09	W35	10	16.4		A	HRX	10	3	1	3
10481		TACH	10	19	0709	S09	W40	10	16.3			AXX	7	1	1	4
10481	31907	MWIL	10	19	1500	S09	W45	10	16.2	3	AP					
10481		HOLL	10	19	1530	S09	W45	10	16.3		A	AXX	10	3	2	4
10481		VORO	10	19	2243	S09	W48	10	16.3			AXX	11	1		3
10481		LEAR	10	20	0017	S09	W50	10	16.2		A	AXX	20	1	1	3
10481A		LEAR	10	18	0037	N14	W02	10	17.9		A	AXX	10	1	1	3
10481B		VORO	10	22	2323	S13	W37	10	20.2			AXX	6	1		4
10481B		LEAR	10	23	0245	S15	W39	10	20.2		A	AXX	10	1	1	3
10481B	31916	MWIL	10	23	1600	S13	W47	10	20.1	4	(AP)					
10481C	31912	MWIL	10	22	1500	S02	W30	10	20.4	4	(B)					
10481C		HOLL	10	22	1608	S02	W31	10	20.3		B	BXO	10	2	3	3
10481C		VORO	10	22	2323	S02	W35	10	20.3			AXX	8	2	1	4
10481C		LEAR	10	23	0245	S04	W38	10	20.3		B	BXO	10	2	2	3
10481D		VORO	10	23	2301	N07	W46	10	20.5			BXO	11	3	3	3
10481D		LEAR	10	24	0145	N05	W48	10	20.5		B	CRO	20	3	3	2

S U N S P O T G R O U P S
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OCTOBER 2003

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10481D		TACH	10	24	0555	N06	W53	10	20.3			AXX	12	1	1	3
10481D		HOLL	10	24	1425	N08	W56	10	20.4		A	AXX		1		4
10481D	31917	MWIL	10	24	1600	N07	W57	10	20.4	4	(AF)					
10482B		VORO	10	25	0048	S04	W44	10	21.7			AXX	4	1		3
10482A	31911	MWIL	10	21	1445	N03	E08	10	22.2	4	(AP)					
10482A	31911	MWIL	10	22	1500	N04	W05	10	22.2	4	(AP)					
10482A		TACH	10	24	0555	N04	W25	10	22.4			AXX	8	1	1	3
10482A		KAND	10	24	0825	N04	W26	10	22.4			AX		1		2
10482		SVTO	10	16	1315	N18	E88	10	23.2		A	HSX	40	1	2	3
10482	31905	MWIL	10	16	1500	N17	E85	10	23.1	2	AP					
10482		VORO	10	16	2244	N16	E74	10	22.5			HRX	70	6	0	3
10482		LEAR	10	17	0033	N16	E74	10	22.6		B	BXO	50	3	3	3
10482		SVTO	10	17	0726	N15	E70	10	22.6		B	DSO	70	5	8	2
10482		HOLL	10	17	1457	N16	E67	10	22.7		B	CSO	50	6	5	2
10482	31905	MWIL	10	17	1500	N16	E66	10	22.6	4	(BP)					
10482		VORO	10	17	2252	N16	E62	10	22.6			CAI	80	8	5	3
10482		LEAR	10	18	0037	N16	E63	10	22.8		B	BXO	60	11	8	3
10482		TACH	10	18	0625	N17	E59	10	22.7			CAI	98	5	3	3
10482		HOLL	10	18	1419	N17	E54	10	22.7		B	CAO	70	5	6	4
10482	31905	MWIL	10	18	1630	N16	E52	10	22.6	4	(BP)					
10482		VORO	10	18	2331	N16	E48	10	22.6			CAO	97	5	5	3
10482		LEAR	10	19	0037	N16	E48	10	22.7		B	CAO	70	5	2	3
10482		TACH	10	19	0709	N15	E41	10	22.4			AR	13	2	1	4
10482		SVTO	10	19	1406	N16	E38	10	22.5		B	DSO	60	2	3	2
10482	31905	MWIL	10	19	1500	N14	E37	10	22.4	4	(AP)					
10482		HOLL	10	19	1530	N15	E38	10	22.5		B	DAO	30	6	3	4
10482		VORO	10	19	2243	N15	E32	10	22.4			HAX	43	4		3
10482		LEAR	10	20	0017	N16	E35	10	22.7		B	CAO	50	6	8	3
10482		TACH	10	20	0535	N16	E28	10	22.3			AR	13	2	2	3
10482		KAND	10	20	0830	N16	E28	10	22.5			HS		2	2	3
10482		KAND	10	20	0830	N20	E34	10	22.9			AX		1	1	3
10482		SVTO	10	20	1047	N15	E26	10	22.4		B	CRO	10	2	2	2
10482	31905	MWIL	10	20	1500	N14	E24	10	22.4	4	(AP)					
10482		HOLL	10	20	1510	N14	E23	10	22.4		A	HAX	20	7	2	4
10482		VORO	10	20	2300	N15	E19	10	22.4			HRX	20	4		3
10482		LEAR	10	21	0014	N15	E19	10	22.4		A	HSX	30	5	2	4
10482		KAND	10	21	0845	N14	E14	10	22.4			HS		1	1	3
10482	31905	MWIL	10	21	1445	N15	E13	10	22.6	4	(B)					
10482		HOLL	10	21	1537	N14	E08	10	22.2		B	CRO	10	2	3	4
10482		LEAR	10	22	0021	N15	E05	10	22.4		A	HSX	10	1	1	2
10482		KAND	10	22	0640	N17	E03	10	22.5			HS		1	1	4
10482	31905	MWIL	10	22	1500	N14	E02	10	22.8	3	(AF)					
10482		HOLL	10	24	1425	N17	W26	10	22.6		A	AXX		1		4
10483	31908	MWIL	10	17	1500	S08	E71	10	22.9	3	(AP)					
10483		LEAR	10	18	0037	S09	E68	10	23.1		A	AXX	20	1	1	3
10483		HOLL	10	18	1419	S08	E59	10	23.0		A	AXX		1		4
10483	31908	MWIL	10	18	1630	S08	E57	10	23.0	2	AP					
10483		LEAR	10	19	0037	S09	E52	10	22.9		B	BXO	10	2	5	3
10483		TACH	10	20	0535	S09	E35	10	22.8			AR	6	2	1	3
10483		KAND	10	20	0830	S09	E36	10	23.0			CSO		3	2	3
10483		SVTO	10	20	1047	S10	E33	10	22.9		B	CRO	20	2	2	2
10483	31908	MWIL	10	20	1500	S11	E32	10	23.0	4	(D)					
10483		HOLL	10	20	1510	S11	E31	10	23.0		B	DAO	20	9	4	4
10483		VORO	10	20	2300	S10	E27	10	23.0			HAX	137	16		3
10483		LEAR	10	21	0014	S10	E26	10	23.0		B	CAI	80	10	3	4
10483		KAND	10	21	0845	S11	E23	10	23.1			CAO		4	2	3
10483	31908	MWIL	10	21	1445	S11	E19	10	23.0	5	(BG)					
10483		HOLL	10	21	1537	S10	E17	10	22.9		B	DAC	60	20	4	4
10483		LEAR	10	22	0021	S11	E13	10	23.0		B	DAO	40	8	3	2
10483		TACH	10	22	0517	S11	E10	10	23.0			BRI	6	4	2	4
10483		KAND	10	22	0640	S12	E11	10	23.1			DSO		4	2	4
10483		HOLL	10	22	1608	S11	E05	10	23.0		B	BXO	10	3	2	3
10483		LEAR	10	23	0245	S10	W01	10	23.0		B	BXO	10	2	1	3
10483		HOLL	10	23	1500	S10	W08	10	23.0		B	BXO	10	3	3	3
10483A	31914	MWIL	10	22	1500	N15	E10	10	23.4	3	(AF)					

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

OCTOBER 2003

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
10484B	31913	MWIL	10	22	1500	S11	E16	10	23.8	4	(B)					
10484	31909	MWIL	10	17	1500	N05	E85	10	24.0	3	B					
10484		VORO	10	17	2252	N05	E79	10	23.9			HKX	306	3		3
10484		LEAR	10	18	0037	N04	E83	10	24.2		B	BXI	210	10	1	3
10484		TACH	10	18	0625	N05	E78	10	24.1			HR	154	4	3	3
10484		HOLL	10	18	1419	N05	E71	10	23.9		B	DAC	260	27	6	4
10484	31909	MWIL	10	18	1630	N05	E70	10	23.9	4	(D)					
10484		VORO	10	18	2331	N06	E65	10	23.8			HKX	961	14		3
10484		LEAR	10	19	0037	N06	E66	10	24.0		BG	DKC	660	16	10	3
10484		TACH	10	19	0709	N05	E62	10	23.9			CAI	613	9	2	4
10484		SVTO	10	19	1406	N06	E58	10	23.9		B	DKI	1040	8	10	2
10484	31909	MWIL	10	19	1500	N05	E56	10	23.8	5	(D)					
10484		HOLL	10	19	1530	N06	E56	10	23.8		BG	DKI	1020	46	9	4
10484		VORO	10	19	2243	N06	E51	10	23.8			HKX	1483	51		3
10484		LEAR	10	20	0017	N06	E53	10	24.0		BGD	DKC	1200	41	9	3
10484		TACH	10	20	0535	N04	E49	10	23.9			DAI	763	10	2	3
10484		KAND	10	20	0830	N05	E48	10	23.9			EKC		26	11	3
10484		SVTO	10	20	1047	N05	E45	10	23.8		B	EKI	1110	11	11	2
10484	31909	MWIL	10	20	1500	N04	E43	10	23.8	5	(D)					
10484		HOLL	10	20	1510	N05	E46	10	24.1		BGD	EKC	1730	67	11	4
10484		VORO	10	20	2300	N06	E38	10	23.8			HKX	2033	67		3
10484		LEAR	10	21	0014	N05	E39	10	23.9		BGD	DKC	1650	51	9	4
10484		KAND	10	21	0845	N05	E34	10	23.9			DKC		25	10	3
10484	31909	MWIL	10	21	1445	N04	E30	10	23.8	5	(D)					
10484		HOLL	10	21	1537	N04	E30	10	23.9		BG	FKC	1780	86	13	4
10484		LEAR	10	22	0021	N05	E25	10	23.9		BGD	DKC	1620	66	10	2
10484		TACH	10	22	0517	N04	E22	10	23.9			DKI	2377	22	8	4
10484		KAND	10	22	0640	N04	E22	10	23.9			EKC		16	11	4
10484	31909	MWIL	10	22	1500	N04	E16	10	23.8	5	(D)					
10484		HOLL	10	22	1608	N05	E15	10	23.8		BGD	EKC	1760	49	11	3
10484		VORO	10	22	2323	N04	E11	10	23.8			HKX	2169	57		4
10484		LEAR	10	23	0245	N05	E10	10	23.9		BGD	DKC	1660	51	10	3
10484		SVTO	10	23	1332	N04	E03	10	23.8		B	EKC	1940	27	15	2
10484		HOLL	10	23	1500	N04	E05	10	24.0		BGD	EKC	1520	56	13	3
10484	31909	MWIL	10	23	1600	N05	E03	10	23.9	6	(D)					
10484		VORO	10	23	2301	N05	W01	10	23.9			HKX	2140	43		3
10484		LEAR	10	24	0145	N04	W03	10	23.8		BGD	EKC	1550	78	12	2
10484		TACH	10	24	0555	N07	W04	10	23.9			CKI	1866	40	6	3
10484		KAND	10	24	0825	N04	W05	10	24.0			EKC		35	10	2
10484		HOLL	10	24	1425	N05	W10	10	23.8		BGD	EKC	1420	61	12	4
10484	31909	MWIL	10	24	1600	N05	W10	10	23.9	6	(D)					
10484		LEAR	10	25	0017	N03	W15	10	23.9		BGD	DKC	1460	62	10	2
10484		VORO	10	25	0048	N03	W16	10	23.8			HKX	2034	71	6	3
10484		TACH	10	25	0611	N07	W16	10	24.0			CKI	1918	36	6	4
10484		SVTO	10	25	0725	N03	W19	10	23.9		B	EKC	1810	32	14	3
10484	31909	MWIL	10	25	1530	N05	W23	10	23.9	6	(D)					
10484		HOLL	10	25	1535	N06	W23	10	23.9		BGD	DKC	1760	65	9	3
10484		VORO	10	25	2313	N04	W28	10	23.9			HKX	1959	53	6	4
10484		LEAR	10	26	0237	N03	W29	10	23.9		BGD	DKC	1380	93	10	3
10484		TACH	10	26	0539	N04	W34	10	23.7			HK	2032	21	8	4
10484		SVTO	10	26	1429	N03	W37	10	23.8		B	EKC	1420	24	11	3
10484		HOLL	10	26	1509	N04	W37	10	23.9		BGD	EKC	1200	53	11	2
10484	31909	MWIL	10	26	2100	N05	W40	10	23.9	5	(D)					
10484		VORO	10	26	2332	N05	W41	10	23.9			HKX	1849	53	6	3
10484		LEAR	10	27	0022	N03	W42	10	23.9		BGD	DKC	1600	44	10	3
10484		KAND	10	27	0820	N04	W47	10	23.8			HK		24	8	4
10484		SVTO	10	27	1020	N02	W48	10	23.8		B	EKC	1510	13	12	2
10484	31909	MWIL	10	27	1530	N05	W50	10	23.9	5	(D)					
10484		HOLL	10	27	1608	N04	W51	10	23.8		BGD	DKC	1120	22	8	2
10484		LEAR	10	28	0108	N02	W55	10	23.9		BGD	DKC	1290	32	9	2
10484		SVTO	10	28	0749	N01	W60	10	23.8		B	EKC	1410	9	11	3
10484		KAND	10	28	0930	N04	W60	10	23.9			DKO		8	9	2
10484	31909	MWIL	10	28	1530	N05	W64	10	23.8	5	(D)					
10484		HOLL	10	28	1714	N06	W65	10	23.8		BGD	DKC	920	8	5	2
10484		LEAR	10	29	0100	N01	W69	10	23.9		BGD	DKC	520	15	7	2
10484		VORO	10	29	0517	N04	W72	10	23.8			HKX	1189	11	4	3
10484		TACH	10	29	0809	N03	W72	10	23.9			DAO	850	6	5	4
10484		KAND	10	29	1125	N03	W73	10	24.0			HK		5	7	4

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

OCTOBER 2003

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
10484	31909	MWIL	10	29	1530	N05	W78	10	23.8	5	(D)					
10484		HOLL	10	29	1535	N05	W79	10	23.7		BG	EKI	540	13	11	3
10484		VORO	10	29	2317	N04	W82	10	23.8			HKX	592	9	3	4
10484		LEAR	10	30	0125	N01	W83	10	23.9		BG	DAO	210	6	10	2
10484A		VORO	10	22	2323	N41	E15	10	24.2			AXX	10	1		4
10485	31910	MWIL	10	20	1500	S06	E62	10	25.3	4	(AP)					
10485		HOLL	10	20	1510	S06	E63	10	25.3		A	AXX	40	2	1	4
10485		VORO	10	20	2300	S06	E59	10	25.4			CRO	51	6	3	3
10485		LEAR	10	21	0014	S06	E59	10	25.4		B	DSO	40	6	4	4
10485		KAND	10	21	0845	S06	E56	10	25.5			BXO		4	6	3
10485	31910	MWIL	10	21	1445	S06	E51	10	25.4	4	(B)					
10485		HOLL	10	21	1537	S06	E52	10	25.5		B	BXO	10	7	7	4
10485		LEAR	10	22	0021	S06	E46	10	25.4		B	DRO	30	4	6	2
10485		TACH	10	22	0517	S06	E43	10	25.4			BRO	11	3	5	4
10485		KAND	10	22	0640	S07	E42	10	25.4			BXO		3	5	4
10485	31910	MWIL	10	22	1500	S07	E37	10	25.4	4	(B)					
10485		HOLL	10	22	1608	S07	E38	10	25.5		B	BXO	10	4	5	3
10485		VORO	10	22	2323	S06	E32	10	25.4			BXO	27	5	3	4
10485		LEAR	10	23	0245	S06	E33	10	25.6		B	BXO	10	2	1	3
10485		SVTO	10	23	1332	S08	E27	10	25.6		B	CRO	10	2	2	2
10485		HOLL	10	23	1500	S08	E26	10	25.6		A	HSX	10	2	2	3
10485	31910	MWIL	10	23	1600	S07	E24	10	25.5	3	(B)					
10485		VORO	10	23	2301	S08	E20	10	25.4			AXX	11	2	1	3
10485		LEAR	10	24	0145	S07	E21	10	25.6		A	AXX	10	2	1	2
10485		KAND	10	24	0825	S08	E17	10	25.6			AX		1		2
10485		HOLL	10	24	1425	S07	E13	10	25.6		B	BXO		3	2	4
10485	31910	MWIL	10	24	1600	S07	E12	10	25.6	3	(B)					
10485	31919	MWIL	10	25	1530	S05	W05	10	25.3	3	(B)					
10492		VORO	10	26	2332	S21	W09	10	26.3			AXX	9	3	0	3
10492		LEAR	10	27	0022	S22	W08	10	26.4		B	BXO	10	3	3	3
10492		KAND	10	27	0820	S22	W13	10	26.3			AX		1		4
10492	31923	MWIL	10	27	1530	S23	W17	10	26.3	4	(B)					
10492		HOLL	10	27	1608	S22	W17	10	26.4		B	DSO	20	9	4	2
10492		LEAR	10	28	0108	S23	W23	10	26.3		BG	DSO	80	20	5	2
10492		SVTO	10	28	0749	S24	W25	10	26.4		B	DSO	80	5	7	3
10492		KAND	10	28	0930	S21	W28	10	26.2			DSO		4	6	2
10492	31923	MWIL	10	28	1530	S21	W31	10	26.3	4	(B)					
10492		HOLL	10	28	1714	S22	W32	10	26.2		B	DSO	80	8	6	2
10492		LEAR	10	29	0100	S23	W35	10	26.3		B	DAO	180	21	8	2
10492		VORO	10	29	0517	S22	W39	10	26.2			DAI	238	19	6	3
10492		KAND	10	29	1125	S23	W42	10	26.2			DAI		7	9	4
10492	31923	MWIL	10	29	1530	S21	W44	10	26.3	5	(B)					
10492		HOLL	10	29	1535	S22	W45	10	26.2		B	DAI	300	24	10	3
10492		VORO	10	29	2317	S21	W48	10	26.3			DAI	515	19	8	4
10492		LEAR	10	30	0125	S23	W49	10	26.3		B	DAI	350	22	10	2
10492		SVTO	10	30	0750	S23	W55	10	26.1		B	EKO	340	14	12	3
10492		VORO	10	30	2332	S22	W62	10	26.2			DAI	408	9	9	4
10492		LEAR	10	31	0058	S24	W62	10	26.2		B	DAI	360	21	12	4
10492		TACH	10	31	0536	S20	W62	10	26.5			CAI	283	9	9	3
10492		KAND	10	31	0810	S21	W65	10	26.3			CAO		10	11	3
10492		SVTO	10	31	0812	S23	W66	10	26.2		B	ESO	220	8	12	3
10492		HOLL	10	31	1538	S22	W70	10	26.3		B	DKO	220	7	7	3
10492		VORO	11	01	0025	S22	W75	10	26.3			DAI	298	5	9	3
10492		LEAR	11	01	0033	S25	W75	10	26.3		B	EAO	240	5	11	4
10492		LEAR	11	01	0033	S25	W75	10	26.3		B	EAO	240	5	11	4
10492B		TACH	10	29	0809	S12	W39	10	26.4			DAI	127	11	6	4
10489A	31924	MWIL	10	27	1530	S21	E03	10	27.9	2	(AP)					
10489	31920	MWIL	10	25	1530	S12	E35	10	28.3	3	(B)					
10489		LEAR	10	26	0237	S10	E28	10	28.2		A	AXX	10	2	2	3
10489	31920	MWIL	10	26	2100	S12	E20	10	28.4	3	(AF)					
10489		VORO	10	26	2332	S10	E17	10	28.2			BRI	6	4	4	3
10489		LEAR	10	27	0022	S10	E18	10	28.4		B	BXO	30	9	3	3
10489		KAND	10	27	0820	S12	E13	10	28.3			CRO		8	5	3

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

OCTOBER 2003

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
10489		KAND	10	27	0820	S16	E13	10	28.3			AX		2	1	3
10489		SVTO	10	27	1020	S10	E12	10	28.3		B	CRO	30	4	4	2
10489	31920	MWIL	10	27	1530	S11	E09	10	28.3	4	(B)					
10489	31925	MWIL	10	27	1530	S15	E08	10	28.2	3	(AF)					
10489		HOLL	10	27	1608	S12	E08	10	28.3		B	DSO	30	9	5	2
10489		LEAR	10	28	0108	S11	E03	10	28.3		BG	DSO	40	11	5	2
10489		SVTO	10	28	0749	S11	E01	10	28.4		B	CRO	20	5	4	3
10489		KAND	10	28	0930	S11	W01	10	28.3			CSO		5	5	2
10489	31920	MWIL	10	28	1530	S11	W05	10	28.3	3	(B)					
10489	31924	MWIL	10	28	1530	S16	W05	10	28.3	3	(AF)					
10489		HOLL	10	28	1714	S11	W06	10	28.3		B	BXO	10	5	5	2
10489		LEAR	10	29	0100	S12	W10	10	28.3		B	DSO	50	10	5	2
10489		VORO	10	29	0517	S11	W13	10	28.2			DAI	48	8	5	3
10489		TACH	10	29	0809	S11	W14	10	28.3			BRI	8	6	4	4
10489		KAND	10	29	1125	S11	W17	10	28.2			DAO		4	6	4
10489	31920	MWIL	10	29	1530	S11	W18	10	28.3	5	(B)					
10489		HOLL	10	29	1535	S12	W18	10	28.3		B	DAO	60	12	6	3
10489		VORO	10	29	2317	S11	W22	10	28.3			DAI	89	11	5	4
10489		LEAR	10	30	0125	S12	W23	10	28.3		B	DAO	80	11	6	2
10489		SVTO	10	30	0750	S12	W28	10	28.2		B	DAO	140	8	6	3
10489		VORO	10	30	2332	S11	W36	10	28.3			DAI	113	10	5	4
10489		LEAR	10	31	0058	S13	W38	10	28.2		B	DAO	140	8	6	4
10489		TACH	10	31	0536	S11	W39	10	28.3			CSI	82	5	4	3
10489		KAND	10	31	0810	S11	W40	10	28.3			CSO		5	7	3
10489		SVTO	10	31	0812	S12	W42	10	28.2		B	DAO	150	6	7	3
10489		HOLL	10	31	1538	S12	W45	10	28.3		B	DSO	60	5	6	3
10489		VORO	11	01	0025	S11	W49	10	28.4			DAO	59	5	6	3
10489		LEAR	11	01	0033	S15	W50	10	28.3		B	DSO	40	4	6	4
10489		SVTO	11	01	1027	S13	W55	10	28.4		B	DRO	30	2	7	2
10489		KAND	11	01	1043	S12	W55	10	28.4			CSO		2	7	3
10489		HOLL	11	01	1615	S12	W60	10	28.2		B	BXO		4	4	3
10489		LEAR	11	02	0221	S14	W65	10	28.3		B	CSO	50	3	6	2
10489		KAND	11	02	0710	S12	W66	10	28.4			BXO		2	7	3
10491		KAND	10	27	0820	S07	E17	10	28.6			DSI		5	4	3
10491		SVTO	10	27	1020	S05	E16	10	28.6		B	DAO	40	2	4	2
10491	31926	MWIL	10	27	1530	S06	E13	10	28.6	4	(B)					
10491		HOLL	10	27	1608	S07	E12	10	28.6		B	DAO	60	4	4	2
10491		LEAR	10	28	0108	S08	E07	10	28.6		BG	DSO	50	12	5	2
10491		SVTO	10	28	0749	S06	E04	10	28.6		B	DSO	60	3	5	3
10491		KAND	10	28	0930	S06	E02	10	28.5			DSO		4	5	2
10491	31926	MWIL	10	28	1530	S06	W02	10	28.5	4	(B)					
10491		HOLL	10	28	1714	S06	W03	10	28.5		B	DAO	50	4	6	2
10491		LEAR	10	29	0100	S07	W07	10	28.5		B	CSO	60	14	6	2
10491		VORO	10	29	0517	S06	W09	10	28.5			DAI	92	9	5	3
10491		TACH	10	29	0809	S06	W10	10	28.6			BRO	47	5	6	4
10491		KAND	10	29	1125	S07	W12	10	28.6			DSO		4	7	4
10491	31926	MWIL	10	29	1530	S05	W14	10	28.6	5	(B)					
10491		HOLL	10	29	1535	S06	W15	10	28.5		B	DAO	120	12	6	3
10491		VORO	10	29	2317	S05	W19	10	28.5			DAI	129	12	6	4
10491		LEAR	10	30	0125	S07	W20	10	28.6		B	DAO	110	14	6	2
10491		SVTO	10	30	0750	S06	W25	10	28.4		B	DSO	120	8	8	3
10491		VORO	10	30	2332	S05	W33	10	28.5			DAI	84	14	6	4
10491		LEAR	10	31	0058	S07	W34	10	28.5		B	DAO	70	18	8	4
10491		TACH	10	31	0536	S05	W36	10	28.5			BRI	48	6	6	3
10491		KAND	10	31	0810	S05	W38	10	28.5			DAO		5	7	3
10491		SVTO	10	31	0812	S06	W38	10	28.5		B	DAO	90	8	7	3
10491		HOLL	10	31	1538	S07	W44	10	28.3		B	DSO	30	7	7	3
10491		VORO	11	01	0025	S05	W47	10	28.6			DAI	52	7	6	3
10491		LEAR	11	01	0033	S09	W48	10	28.5		B	DSO	40	9	5	4
10491		SVTO	11	01	1027	S06	W53	10	28.6		B	DSO	50	4	9	2
10491		KAND	11	01	1043	S06	W53	10	28.6			BXO		5	8	3
10491		HOLL	11	01	1615	S06	W56	10	28.6		B	BXO	10	6	7	3
10491		LEAR	11	02	0221	S09	W62	10	28.5		B	CRO	40	3	7	2
10491		KAND	11	02	0710	S07	W65	10	28.5			BXO		2	8	3
10491		HOLL	11	02	1545	S08	W71	10	28.4		A	AXX	20	2	2	4
10491		VORO	11	03	0028	S06	W71	10	28.8			AXX	14	1		3
10488		HOLL	10	26	1509	N08	E24	10	28.4		B	BXO	10	2	2	2

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

OCTOBER 2003

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
10488	31922	MWIL	10	26	2100	N07	E23	10	28.6	4	(B)					
10488		VORO	10	26	2332	N08	E21	10	28.5			DAI	91	17	3	3
10488		LEAR	10	27	0022	N09	E21	10	28.6		B	DAO	110	19	6	3
10488		KAND	10	27	0820	N08	E17	10	28.6			DKO		21	7	3
10488		SVTO	10	27	1020	N09	E16	10	28.6		B	DKO	300	17	9	2
10488	31922	MWIL	10	27	1530	N07	E14	10	28.7	5	(B)					
10488		HOLL	10	27	1608	N08	E13	10	28.6		B	DKI	470	26	9	2
10488		LEAR	10	28	0108	N08	E07	10	28.6		BGD	DKC	580	76	8	2
10488		SVTO	10	28	0749	N09	E03	10	28.5		B	EKC	900	12	11	3
10488		KAND	10	28	0930	N08	E04	10	28.7			DKC		11	8	2
10488	31922	MWIL	10	28	1530	N08	W01	10	28.6	6	(BG)					
10488		HOLL	10	28	1714	N08	E01	10	28.8		BG	DKC	880	24	17	2
10488		LEAR	10	29	0100	N08	W06	10	28.6		BGD	DKC	1200	50	10	2
10488		VORO	10	29	0517	N08	W05	10	28.8			HKX	1658	29	12	3
10488		TACH	10	29	0809	N08	W07	10	28.8			CKI	2169	17	13	4
10488		KAND	10	29	1125	N08	W10	10	28.7			EKC		9	15	4
10488	31922	MWIL	10	29	1530	N08	W14	10	28.6	6	(D)					
10488		HOLL	10	29	1535	N07	W13	10	28.7		BGD	FKC	1640	68	16	3
10488		VORO	10	29	2317	N08	W14	10	28.9			EKC	1574	33	13	4
10488		LEAR	10	30	0125	N08	W16	10	28.8		BGD	FKC	1480	59	17	2
10488		SVTO	10	30	0750	N08	W21	10	28.7		B	FKC	1830	18	17	3
10488		VORO	10	30	2332	N08	W28	10	28.9			EKC	1697	29	13	4
10488		LEAR	10	31	0058	N07	W30	10	28.8		BGD	FKC	1540	56	16	4
10488		TACH	10	31	0536	N10	W30	10	29.0			EKI	2174	39	15	3
10488		KAND	10	31	0810	N09	W34	10	28.8			FKC		30	17	3
10488		SVTO	10	31	0812	N08	W34	10	28.8		B	FKC	1820	25	17	3
10488		HOLL	10	31	1538	N08	W38	10	28.8		BGD	FKC	1360	51	17	3
10488		VORO	11	01	0025	N08	W41	10	29.0			EKC	1806	30	13	3
10488		LEAR	11	01	0033	N05	W44	10	28.8		BGD	FKC	1510	50	17	4
10488		SVTO	11	01	1027	N07	W47	10	29.0		B	FKI	1510	13	19	2
10488		KAND	11	01	1043	N08	W50	10	28.8			FKC		18	16	3
10488		HOLL	11	01	1615	N08	W51	10	28.9		BGD	FKC	1690	36	17	3
10488		LEAR	11	02	0221	N05	W58	10	28.8		BGD	FKC	1440	32	17	2
10488		KAND	11	02	0710	N08	W60	10	28.9			FKO		13	17	3
10488		HOLL	11	02	1545	N08	W65	10	28.9		BGD	FKC	1680	19	16	4
10488		VORO	11	03	0028	N08	W67	10	29.1			HKX	1761	15	13	3
10488		LEAR	11	03	0045	N05	W70	10	28.9		BGD	FKC	1250	11	18	4
10488		KAND	11	03	0730	N07	W75	10	28.8			FKC		9	17	2
10488		SVTO	11	03	1130	N07	W75	10	29.0		B	FKI	1080	5	21	3
10488		HOLL	11	03	1516	N08	W78	10	28.9		BGD	FKC	930	9	17	3
10488		VORO	11	03	2334	N08	W76	10	29.4			HKX	693	6	6	3
10488		LEAR	11	04	0047	N08	W82	10	29.0		BGD	FKC	520	11	16	2
10488		SVTO	11	04	0812	N05	W85	10	29.1		A	HAX	120	1	8	2
10486	31915	MWIL	10	22	1500	S15	E80	10	28.7	4	(AP)					
10486		HOLL	10	22	1608	S16	E85	10	29.1		A	HKX	150	1	5	3
10486		VORO	10	22	2323	S17	E77	10	28.8			HKX	1813	5	4	4
10486		LEAR	10	23	0245	S13	E77	10	28.9		B	EKI	600	5	15	3
10486		SVTO	10	23	1332	S16	E73	10	29.1		B	EKO	900	3	14	2
10486		HOLL	10	23	1500	S17	E74	10	29.2		BGD	EKC	1160	24	13	3
10486	31915	MWIL	10	23	1600	S18	E73	10	29.2	5	BG					
10486		VORO	10	23	2301	S17	E67	10	29.0			EKI	2714	19	9	3
10486		LEAR	10	24	0145	S14	E68	10	29.2		BGD	EKC	1650	38	15	2
10486		TACH	10	24	0555	S18	E65	10	29.2			EKI	2243	24	12	3
10486		KAND	10	24	0825	S18	E65	10	29.3			FKC		21	17	2
10486		HOLL	10	24	1425	S17	E62	10	29.3		BGD	FKC	1490	55	16	4
10486	31915	MWIL	10	24	1600	S18	E60	10	29.2	5	(BG)					
10486		LEAR	10	25	0017	S15	E56	10	29.2		BGD	FKC	2420	52	18	2
10486		VORO	10	25	0048	S17	E53	10	29.1			DKI	3032	39	8	3
10486		TACH	10	25	0611	S14	E52	10	29.2			DKI	2757	47	10	4
10486		SVTO	10	25	0725	S15	E53	10	29.3		B	FKI	1360	25	19	3
10486	31915	MWIL	10	25	1530	S18	E48	10	29.3	5	(D)					
10486		HOLL	10	25	1535	S15	E51	10	29.5		BGD	FKC	2240	74	18	3
10486		VORO	10	25	2313	S17	E40	10	29.0			DKI	3066	55	7	4
10486		LEAR	10	26	0237	S15	E42	10	29.3		BGD	FKC	1980	0	17	3
10486		TACH	10	26	0539	S15	E40	10	29.3			EKI	2728	26	14	4
10486		SVTO	10	26	1429	S16	E35	10	29.2		B	FKC	2460	61	22	3
10486		HOLL	10	26	1509	S15	E36	10	29.3		BGD	FKC	2030	97	17	2
10486	31915	MWIL	10	26	2100	S18	E31	10	29.2	5	(BG)					

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

OCTOBER 2003

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10486		VORO	10	26	2332	S17	E29	10	29.2			EKI	2504	69	12	3
10486		LEAR	10	27	0022	S15	E30	10	29.3		BGD	FKC	2230	0	18	3
10486		KAND	10	27	0820	S18	E25	10	29.2			FKC		65	18	4
10486		SVTO	10	27	1020	S16	E24	10	29.2		B	FKC	2230	36	21	2
10486	31915	MWIL	10	27	1530	S18	E20	10	29.2	5	(BG)					
10486		HOLL	10	27	1608	S16	E22	10	29.3		BGD	FKC	2060	61	17	2
10486		LEAR	10	28	0108	S17	E15	10	29.2		BGD	FKC	2240	78	19	2
10486		SVTO	10	28	0749	S17	E13	10	29.3		B	FKC	2110	42	21	3
10486		KAND	10	28	0930	S17	E11	10	29.2			FKC		24	17	2
10486	31915	MWIL	10	28	1530	S18	E07	10	29.2	5	(D)					
10486		HOLL	10	28	1714	S18	E06	10	29.2		BGD	FKC	2030	52	16	2
10486		LEAR	10	29	0100	S17	E03	10	29.3		BGD	FKC	2500	87	18	2
10486		VORO	10	29	0517	S18	W00	10	29.2			EKC	2688	42	14	3
10486		TACH	10	29	0809	S15	W01	10	29.3			FKI	2808	27	16	4
10486		KAND	10	29	1125	S17	W04	10	29.2			FKC		30	19	4
10486	31915	MWIL	10	29	1530	S18	W06	10	29.2	5	(D)					
10486		HOLL	10	29	1535	S16	W08	10	29.0		BGD	FKC	2680	0	18	3
10486		VORO	10	29	2317	S17	W09	10	29.3			EKC	2232	61	14	4
10486		LEAR	10	30	0125	S17	W11	10	29.2		BGD	FKC	2070	0	17	2
10486		SVTO	10	30	0750	S18	W15	10	29.2		BGD	FKC	2650	45	19	3
10486		VORO	10	30	2332	S16	W27	10	28.9			HKX	2465	70	7	4
10486		LEAR	10	31	0058	S18	W24	10	29.2		BGD	FKC	1890	82	20	4
10486		TACH	10	31	0536	S15	W29	10	29.0			EKI	2700	54	10	3
10486		KAND	10	31	0810	S17	W28	10	29.2			EKC		39	14	3
10486		SVTO	10	31	0812	S17	W28	10	29.2		B	FKC	2360	58	21	3
10486		HOLL	10	31	1538	S16	W33	10	29.1		BGD	FKC	1890	64	18	3
10486		VORO	11	01	0025	S17	W40	10	29.1			HKX	2403	43	8	3
10486		LEAR	11	01	0033	S20	W37	10	29.3		BGD	FKC	1820	0	16	4
10486		SVTO	11	01	1027	S18	W44	10	29.2		B	FKC	1860	22	18	2
10486		KAND	11	01	1043	S19	W44	10	29.2			FKC		28	16	3
10486		HOLL	11	01	1615	S16	W49	10	29.1		BGD	EKC	1900	72	14	3
10486		VORO	11	01	2357	S17	W52	10	29.1			HKX	2236	30	10	3
10486		LEAR	11	02	0221	S20	W54	10	29.1		BGD	FKC	1890	60	16	2
10486		KAND	11	02	0710	S19	W55	10	29.2			FKC		34	16	3
10486		HOLL	11	02	1545	S17	W61	10	29.1		BGD	EKC	2290	47	15	4
10486		VORO	11	03	0028	S18	W65	10	29.2			DKI	2451	36	11	3
10486		LEAR	11	03	0045	S20	W65	10	29.1		BGD	EKC	1350	21	15	4
10486		KAND	11	03	0730	S19	W66	10	29.4			EKC		17	14	2
10486		SVTO	11	03	1130	S18	W71	10	29.2		B	FKC	1380	9	17	3
10486		HOLL	11	03	1516	S18	W73	10	29.2		BGD	EKC	1430	16	15	3
10486		VORO	11	03	2334	S18	W77	10	29.2			DKI	2375	20	10	3
10486		LEAR	11	04	0047	S18	W75	10	29.4		BGD	EKC	1200	22	14	2
10486		SVTO	11	04	0812	S21	W77	10	29.5		A	HKX	1020	5	12	2
10486		HOLL	11	04	1525	S18	W86	10	29.2		BGD	EKC	140	12	13	4
10493		LEAR	10	27	0022	N09	E31	10	29.3		A	AXX	10	1	1	3
10493		LEAR	10	28	0108	N09	E15	10	29.2		B	BXO	20	3	3	2
10493		SVTO	10	28	0749	N09	E13	10	29.3		B	BXO	10	2	4	3
10493	31927	MWIL	10	28	1530	N07	E07	10	29.2	4	B					
10493		LEAR	10	29	0100	N08	E02	10	29.2		B	DRO	30	11	5	2
10493	31927	MWIL	10	29	1530	N08	W07	10	29.1	5	(B)					
10493		LEAR	10	30	0125	N08	W11	10	29.2		B	DAO	70	13	4	2
10490	31918	MWIL	10	24	1600	S13	E65	10	29.6	3	(AF)					
10490		LEAR	10	25	0017	S10	E58	10	29.4		B	CSO	40	3	6	2
10490	31918	MWIL	10	25	1530	S12	E54	10	29.7	4	(B)					
10490		VORO	10	25	2313	S12	E48	10	29.6			DAI	110	9	4	3
10490		LEAR	10	26	0237	S10	E48	10	29.7		B	DAO	90	10	6	3
10490		SVTO	10	26	1429	S10	E44	10	29.9		A	HSX	30	2	2	3
10490		VORO	10	26	2332	S11	E34	10	29.5			DAI	103	8	5	3
10490		LEAR	10	27	0022	S10	E36	10	29.7		B	DAO	90	9	7	3
10490		SVTO	10	27	1020	S10	E32	10	29.8		B	CSO	20	3	2	2
10490		HOLL	10	27	1608	S11	E29	10	29.8		B	CSO	20	5	4	2
10490		LEAR	10	28	0108	S11	E20	10	29.5		B	DAO	90	8	6	2
10490		SVTO	10	28	0749	S11	E21	10	29.9		A	HRX	10	1	1	3
10490		HOLL	10	28	1714	S12	E14	10	29.8		A	AXX	10	2	1	2
10490		LEAR	10	29	0100	S11	E09	10	29.7		B	CRO	10	5	5	2
10490		VORO	10	29	0517	S12	E08	10	29.8			AXX	9	2		3
10490		VORO	10	29	2317	S12	W02	10	29.8			AXX	6	2		4

S U N S P O T G R O U P S
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OCTOBER 2003

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
10490		LEAR	10	30	0125	S12	W02	10	29.9		A	HRX	10	3	1	2
10490A		KAND	10	27	0820	N07	E38	10	30.2			AX		1		4
10487		LEAR	10	25	0017	N15	E86	10	31.5		B	BXO	90	2	8	2
10487		VORO	10	25	0048	N12	E83	10	31.3			HKX	477	3	2	3
10487		TACH	10	25	0611	N12	E81	10	31.4			DAO	448	5	4	4
10487		SVTO	10	25	0725	N14	E79	10	31.3		B	CSO	120	3	5	3
10487	31921	MWIL	10	25	1530	N12	E77	10	31.4	4	(AP)					
10487		HOLL	10	25	1535	N11	E78	10	31.5		B	DAO	240	9	7	3
10487		VORO	10	25	2313	N11	E71	10	31.3			HKX	634	10		4
10487		LEAR	10	26	0237	N15	E71	10	31.5		B	DAO	260	12	6	3
10487		TACH	10	26	0539	N12	E67	10	31.3			CAI	104	5	6	4
10487		SVTO	10	26	1429	N14	E65	10	31.5		B	DAO	280	8	8	3
10487		HOLL	10	26	1509	N12	E65	10	31.5		B	DSO	190	9	12	2
10487	31921	MWIL	10	26	2100	N12	E60	10	31.4	4	(BP)					
10487		VORO	10	26	2332	N11	E58	10	31.3			HHX	286	11		3
10487		LEAR	10	27	0022	N15	E59	10	31.5		B	DAO	330	20	8	3
10487		KAND	10	27	0820	N11	E54	10	31.4			DAI		9	7	4
10487		SVTO	10	27	1020	N14	E53	10	31.4		B	DAO	200	5	6	2
10487	31921	MWIL	10	27	1530	N12	E49	10	31.3	5	(BP)					
10487		HOLL	10	27	1608	N12	E50	10	31.4		B	DAO	150	10	6	2
10487		LEAR	10	28	0108	N14	E43	10	31.3		B	DAO	180	19	7	2
10487		SVTO	10	28	0749	N14	E41	10	31.4		B	DAO	200	5	5	3
10487		KAND	10	28	0930	N12	E40	10	31.4			DSO		5	5	2
10487	31921	MWIL	10	28	1530	N12	E37	10	31.4	4	(BG)					
10487		HOLL	10	28	1714	N11	E35	10	31.3		B	DAO	130	7	5	2
10487		LEAR	10	29	0100	N13	E31	10	31.4		B	CAO	150	14	5	2
10487		VORO	10	29	0517	N11	E28	10	31.3			HAX	196	11	2	3
10487		TACH	10	29	0809	N12	E26	10	31.3			CAO	171	8	6	4
10487		KAND	10	29	1125	N11	E25	10	31.3			DAO		4	4	4
10487	31921	MWIL	10	29	1530	N11	E23	10	31.4	5	(D)					
10487		HOLL	10	29	1535	N11	E24	10	31.4		B	DAO	150	18	6	3
10487		VORO	10	29	2317	N11	E19	10	31.4			DAI	225	17	4	4
10487		LEAR	10	30	0125	N12	E18	10	31.4		B	DAI	180	40	7	2
10487		SVTO	10	30	0750	N12	E14	10	31.4		B	DKO	290	12	7	3
10487		VORO	10	30	2332	N12	E06	10	31.4			DAI	215	17	1	4
10487		LEAR	10	31	0058	N12	E04	10	31.3		B	DAI	150	26	6	4
10487		TACH	10	31	0536	N13	E04	10	31.5			CAI	216	17	5	3
10487		KAND	10	31	0810	N11	E01	10	31.4			DAI		13	6	3
10487		SVTO	10	31	0812	N12	E01	10	31.4		B	DAI	130	14	6	3
10487		HOLL	10	31	1538	N11	W04	10	31.3		B	DAI	110	19	6	3
10487		VORO	11	01	0025	N12	W07	10	31.5			DAI	152	13	2	3
10487		LEAR	11	01	0033	N10	W08	10	31.4		B	DAI	110	26	7	4
10487		SVTO	11	01	1027	N10	W13	10	31.4		B	DAO	140	6	6	2
10487		KAND	11	01	1043	N11	W13	10	31.5			DAO		15	7	3
10487		HOLL	11	01	1615	N10	W18	10	31.3		B	CAO	80	21	7	3
10487		VORO	11	01	2357	N12	W21	10	31.4			CAO	102	10	3	3
10487		LEAR	11	02	0221	N09	W22	10	31.4		B	DAO	110	17	7	2
10487		KAND	11	02	0710	N10	W25	10	31.4			CAO		15	7	3
10487		HOLL	11	02	1545	N10	W31	10	31.3		B	DAO	60	14	3	4
10487		VORO	11	03	0028	N11	W34	10	31.5			HAX	64	9		3
10487		LEAR	11	03	0045	N09	W37	10	31.2		B	DSO	40	10	3	4
10487		KAND	11	03	0730	N10	W37	10	31.5			CSO		2	2	2
10487		SVTO	11	03	1130	N09	W43	10	31.2		B	CSO	30	2	2	3
10487		HOLL	11	03	1516	N10	W43	10	31.4		B	CSO	40	4	3	3
10487		VORO	11	03	2334	N10	W47	10	31.4			HAX	39	5		3
10487		LEAR	11	04	0047	N11	W48	10	31.4		B	CSO	30	4	3	2
10487		SVTO	11	04	0812	N09	W52	10	31.4		A	HSX	30	1	3	2
10487		HOLL	11	04	1525	N11	W58	10	31.3		B	CSO	10	2	3	4
10487		VORO	11	05	0004	N10	W60	10	31.5			AXX	13	4		3
10487		LEAR	11	05	0057	N11	W61	10	31.4		A	AXX	20	7	3	4
10487		VORO	11	05	2327	N10	W72	10	31.6			AXX	42	2		3
10487A		LEAR	10	30	0125	S22	E21	10	31.7		B	CRO	10	3	2	2
10487A		SVTO	10	30	0750	S23	E16	10	31.5		A	AXX	10	1		3

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