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

## SEPTEMBER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10453 | 31854 | MWIL | 09 | 03 | 1445 | S23 | W25 | 09 | 1.7 | 5 | (B ) | | | | | |
| 10453 | | HOLL | 09 | 03 | 1605 | S23 | W27 | 09 | 1.6 | | B | BXO | 10 | 7 | 3 | 3 |
| 10453 | | VORO | 09 | 03 | 2230 | S22 | W30 | 09 | 1.6 | | | CAI | 79 | 5 | 3 | 3 |
| 10453 | | LEAR | 09 | 04 | 0136 | S22 | W32 | 09 | 1.6 | | B | DSO | 60 | 8 | 5 | 3 |
| 10453 | | TACH | 09 | 04 | 0709 | S23 | W34 | 09 | 1.7 | | | BRI | 40 | 4 | 5 | 4 |
| 10453 | | SVTO | 09 | 04 | 0835 | S24 | W36 | 09 | 1.6 | | B | DSO | 80 | 4 | 7 | 2 |
| 10453 | 31854 | MWIL | 09 | 04 | 1430 | S23 | W38 | 09 | 1.7 | 5 | (B ) | | | | | |
| 10453 | | HOLL | 09 | 04 | 1442 | S23 | W39 | 09 | 1.6 | | B | DAI | 120 | 14 | 7 | 4 |
| 10453 | | LEAR | 09 | 05 | 0239 | S22 | W45 | 09 | 1.6 | | B | DAO | 220 | 24 | 8 | 3 |
| 10453 | | SVTO | 09 | 05 | 0705 | S23 | W47 | 09 | 1.7 | | B | DAO | 210 | 6 | 9 | 3 |
| 10453 | | TACH | 09 | 05 | 0908 | S23 | W48 | 09 | 1.7 | | | CAI | 105 | 6 | 5 | 5 |
| 10453 | | HOLL | 09 | 05 | 1414 | S23 | W52 | 09 | 1.6 | | B | DAO | 160 | 12 | 7 | 4 |
| 10453 | 31854 | MWIL | 09 | 05 | 1430 | S23 | W51 | 09 | 1.7 | 5 | (B ) | | | | | |
| 10453 | | VORO | 09 | 05 | 2346 | S22 | W55 | 09 | 1.8 | | | DAI | 320 | 6 | 5 | 3 |
| 10453 | | LEAR | 09 | 06 | 0151 | S22 | W58 | 09 | 1.6 | | B | DSO | 260 | 10 | 10 | 3 |
| 10453 | | SVTO | 09 | 06 | 0635 | S24 | W60 | 09 | 1.6 | | B | ESO | 200 | 7 | 11 | 2 |
| 10453 | 31854 | MWIL | 09 | 06 | 1430 | S23 | W65 | 09 | 1.6 | 5 | (B ) | | | | | |
| 10453 | | HOLL | 09 | 06 | 1440 | S23 | W64 | 09 | 1.7 | | B | DAO | 150 | 11 | 9 | 3 |
| 10453 | | VORO | 09 | 06 | 2232 | S22 | W67 | 09 | 1.8 | | | DAO | 300 | 4 | 6 | 3 |
| 10453 | | LEAR | 09 | 07 | 0101 | S22 | W68 | 09 | 1.8 | | B | DSO | 180 | 4 | 7 | 2 |
| 10453 | | SVTO | 09 | 07 | 0635 | S23 | W70 | 09 | 1.9 | | B | DSO | 180 | 2 | 6 | 3 |
| 10453 | 31854 | MWIL | 09 | 07 | 1445 | S23 | W77 | 09 | 1.7 | 5 | (B ) | | | | | |
| 10453 | | HOLL | 09 | 07 | 1530 | S25 | W71 | 09 | 2.1 | | B | CHO | 60 | 2 | 11 | 3 |
| 10453 | | LEAR | 09 | 08 | 0207 | S23 | W78 | 09 | 2.1 | | A | HSX | 90 | 1 | 2 | 3 |
| 10449 | | VORO | 08 | 28 | 0002 | S15 | E78 | 09 | 2.9 | | | HKX | 344 | 3 | | 3 |
| 10449 | | LEAR | 08 | 28 | 0115 | S17 | E78 | 09 | 3.0 | | B | CAO | 60 | 2 | 3 | 2 |
| 10449 | | TACH | 08 | 28 | 0539 | S16 | E82 | 09 | 3.4 | | | DAO | 563 | 3 | 4 | 5 |
| 10449 | | SVTO | 08 | 28 | 1002 | S15 | E78 | 09 | 3.3 | | B | DSO | 90 | 3 | 5 | 3 |
| 10449 | 31849 | MWIL | 08 | 28 | 1500 | S15 | E70 | 09 | 2.9 | 4 | (AP) | | | | | |
| 10449 | | HOLL | 08 | 28 | 1835 | S17 | E70 | 09 | 3.1 | | B | DAO | 90 | 4 | 3 | 3 |
| 10449 | | VORO | 08 | 28 | 2224 | S15 | E72 | 09 | 3.4 | | | DKI | 287 | 3 | 13 | 3 |
| 10449 | | LEAR | 08 | 29 | 0240 | S15 | E63 | 09 | 2.9 | | B | DSO | 200 | 3 | 6 | 4 |
| 10449 | | TACH | 08 | 29 | 0540 | S15 | E64 | 09 | 3.1 | | | HA | 99 | 2 | 2 | 5 |
| 10449 | | SVTO | 08 | 29 | 0722 | S16 | E63 | 09 | 3.1 | | B | DSO | 90 | 2 | 6 | 3 |
| 10449 | 31849 | MWIL | 08 | 29 | 1415 | S16 | E64 | 09 | 3.4 | 5 | (B ) | | | | | |
| 10449 | | HOLL | 08 | 29 | 1545 | S15 | E58 | 09 | 3.0 | | B | DAO | 100 | 4 | 4 | 3 |
| 10449 | | VORO | 08 | 29 | 2152 | S15 | E58 | 09 | 3.3 | | | DKI | 232 | 3 | 13 | 3 |
| 10449 | | LEAR | 08 | 30 | 0130 | S15 | E50 | 09 | 2.8 | | B | DSO | 170 | 4 | 4 | 4 |
| 10449 | | TACH | 08 | 30 | 0449 | S15 | E49 | 09 | 2.9 | | | HA | 42 | 2 | 2 | 4 |
| 10449 | | SVTO | 08 | 30 | 0836 | S15 | E48 | 09 | 3.0 | | B | DAO | 90 | 2 | 4 | 3 |
| 10449 | 31849 | MWIL | 08 | 30 | 1500 | S17 | E50 | 09 | 3.4 | 5 | (B ) | | | | | |
| 10449 | | HOLL | 08 | 30 | 1802 | S16 | E44 | 09 | 3.1 | | B | DAO | 110 | 6 | 4 | 2 |
| 10449 | | VORO | 08 | 30 | 2153 | S16 | E45 | 09 | 3.3 | | | DKO | 222 | 7 | 14 | 3 |
| 10449 | | LEAR | 08 | 31 | 0125 | S16 | E38 | 09 | 2.9 | | B | DAO | 100 | 2 | 3 | 3 |
| 10449 | | TACH | 08 | 31 | 0539 | S15 | E36 | 09 | 3.0 | | | HA | 34 | 3 | 2 | 4 |
| 10449 | | SVTO | 08 | 31 | 0630 | S15 | E36 | 09 | 3.0 | | B | DSO | 140 | 3 | 4 | 3 |
| 10449 | 31849 | MWIL | 08 | 31 | 1430 | S17 | E38 | 09 | 3.5 | 5 | (B ) | | | | | |
| 10449 | | VORO | 08 | 31 | 2151 | S15 | E32 | 09 | 3.3 | | | EAI | 134 | 7 | 13 | 3 |
| 10449 | | LEAR | 09 | 01 | 0125 | S16 | E24 | 09 | 2.9 | | B | DAO | 90 | 3 | 3 | 2 |
| 10449 | | TACH | 09 | 01 | 0607 | S16 | E22 | 09 | 2.9 | | | HA | 50 | 3 | 2 | 4 |
| 10449 | | SVTO | 09 | 01 | 0617 | S15 | E23 | 09 | 3.0 | | B | DSO | 70 | 3 | 4 | 3 |
| 10449 | 31849 | MWIL | 09 | 01 | 1415 | S17 | E24 | 09 | 3.4 | 5 | (B ) | | | | | |
| 10449 | | HOLL | 09 | 01 | 1430 | S16 | E18 | 09 | 3.0 | | B | DSO | 80 | 5 | 3 | 3 |
| 10449 | | LEAR | 09 | 02 | 0157 | S16 | E11 | 09 | 2.9 | | B | DAO | 90 | 4 | 3 | 4 |
| 10449 | | SVTO | 09 | 02 | 0628 | S15 | E10 | 09 | 3.0 | | B | DSO | 60 | 4 | 4 | 3 |
| 10449 | | TACH | 09 | 02 | 0944 | S16 | E08 | 09 | 3.0 | | | DAO | 73 | 3 | 3 | 4 |
| 10449 | 31849 | MWIL | 09 | 02 | 1430 | S16 | E12 | 09 | 3.5 | 5 | (B ) | | | | | |
| 10449 | | HOLL | 09 | 02 | 1710 | S16 | E04 | 09 | 3.0 | | B | DSO | 30 | 3 | 4 | 2 |
| 10449 | | VORO | 09 | 02 | 2146 | S16 | E08 | 09 | 3.5 | | | EAI | 122 | 6 | 16 | 3 |
| 10449 | | LEAR | 09 | 03 | 0137 | S16 | W02 | 09 | 2.9 | | B | DSO | 80 | 5 | 3 | 2 |
| 10449 | | TACH | 09 | 03 | 0517 | S17 | W02 | 09 | 3.1 | | | CAO | 61 | 3 | 4 | 4 |
| 10449 | | SVTO | 09 | 03 | 0635 | S16 | W03 | 09 | 3.0 | | B | DSO | 30 | 4 | 5 | 3 |
| 10449 | 31849 | MWIL | 09 | 03 | 1445 | S17 | W01 | 09 | 3.5 | 5 | (B ) | | | | | |
| 10449 | | HOLL | 09 | 03 | 1605 | S15 | W07 | 09 | 3.1 | | B | DSO | 60 | 7 | 7 | 3 |
| 10449 | | VORO | 09 | 03 | 2230 | S15 | W06 | 09 | 3.5 | | | EAI | 115 | 10 | 15 | 3 |
| 10449 | | LEAR | 09 | 04 | 0136 | S16 | W08 | 09 | 3.4 | | B | FSO | 90 | 13 | 17 | 3 |
| 10449 | | TACH | 09 | 04 | 0709 | S18 | W14 | 09 | 3.2 | | | BRI | 39 | 6 | 6 | 4 |
| 10449 | | SVTO | 09 | 04 | 0835 | S17 | W13 | 09 | 3.4 | | B | ESO | 70 | 6 | 14 | 2 |

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

## SEPTEMBER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10449 | 31849 | MWIL | 09 | 04 | 1430 | S17 | W16 | 09 | 3.4 | 5 | (B ) | | | | | |
| 10449 | | HOLL | 09 | 04 | 1442 | S17 | W15 | 09 | 3.5 | | B | ESO | 50 | 8 | 14 | 4 |
| 10449 | | LEAR | 09 | 05 | 0239 | S16 | W20 | 09 | 3.6 | | B | FAO | 50 | 12 | 20 | 3 |
| 10449 | | SVTO | 09 | 05 | 0705 | S17 | W25 | 09 | 3.4 | | B | CSO | 40 | 5 | 14 | 3 |
| 10449 | | TACH | 09 | 05 | 0908 | S16 | W29 | 09 | 3.2 | | | BRO | 12 | 4 | 6 | 5 |
| 10449 | | HOLL | 09 | 05 | 1414 | S17 | W34 | 09 | 3.0 | | B | CSO | 30 | 2 | 3 | 4 |
| 10449 | 31849 | MWIL | 09 | 05 | 1430 | S17 | W29 | 09 | 3.4 | 5 | (BP) | | | | | |
| 10449 | | VORO | 09 | 05 | 2346 | S15 | W40 | 09 | 3.0 | | | HRX | 22 | 1 | | 3 |
| 10449 | | LEAR | 09 | 06 | 0151 | S17 | W40 | 09 | 3.0 | | A | HAX | 20 | 4 | 5 | 3 |
| 10449 | | SVTO | 09 | 06 | 0635 | S17 | W43 | 09 | 3.0 | | A | HSX | 30 | 1 | 1 | 2 |
| 10449 | 31849 | MWIL | 09 | 06 | 1430 | S17 | W47 | 09 | 3.0 | 4 | (BP) | | | | | |
| 10449 | | HOLL | 09 | 06 | 1440 | S17 | W47 | 09 | 3.0 | | B | DSO | 40 | 4 | 8 | 3 |
| 10449 | | VORO | 09 | 06 | 2232 | S17 | W50 | 09 | 3.1 | | | CRO | 26 | 5 | 4 | 3 |
| 10449 | | LEAR | 09 | 07 | 0101 | S16 | W52 | 09 | 3.1 | | A | HAX | 40 | 4 | 4 | 2 |
| 10449 | | SVTO | 09 | 07 | 0635 | S18 | W54 | 09 | 3.2 | | B | CSO | 40 | 4 | 4 | 3 |
| 10449 | 31849 | MWIL | 09 | 07 | 1445 | S17 | W60 | 09 | 3.0 | 4 | (AP) | | | | | |
| 10449 | | HOLL | 09 | 07 | 1530 | S16 | W58 | 09 | 3.2 | | B | BXO | 20 | 4 | 8 | 3 |
| 10449 | | LEAR | 09 | 08 | 0207 | S15 | W68 | 09 | 2.9 | | A | AXX | 10 | 1 | | 3 |
| 10449A | | VORO | 08 | 31 | 2151 | S23 | E36 | 09 | 3.7 | | | HAX | 2 | 2 | | 3 |
| 10449A | | TACH | 09 | 01 | 0607 | S24 | E32 | 09 | 3.7 | | | AXX | 1 | 1 | 1 | 4 |
| 10449A | 31851 | MWIL | 09 | 01 | 1415 | S24 | E28 | 09 | 3.7 | 4 | (AP) | | | | | |
| 10450 | | LEAR | 08 | 29 | 0240 | S18 | E75 | 09 | 3.8 | | A | HSX | 60 | 1 | 2 | 4 |
| 10450 | | TACH | 08 | 29 | 0540 | S16 | E74 | 09 | 3.8 | | | HSX | 46 | 1 | 2 | 5 |
| 10450 | | SVTO | 08 | 29 | 0722 | S18 | E77 | 09 | 4.2 | | A | HSX | 60 | 1 | 2 | 3 |
| 10450 | | HOLL | 08 | 29 | 1545 | S18 | E70 | 09 | 4.0 | | A | HAX | 60 | 2 | 3 | 3 |
| 10450 | | LEAR | 08 | 30 | 0130 | S19 | E63 | 09 | 3.9 | | A | HSX | 100 | 1 | 3 | 4 |
| 10450 | | TACH | 08 | 30 | 0449 | S18 | E62 | 09 | 3.9 | | | HHX | 25 | 1 | 1 | 4 |
| 10450 | | SVTO | 08 | 30 | 0836 | S17 | E61 | 09 | 4.0 | | A | HSX | 40 | 1 | 1 | 3 |
| 10450 | | HOLL | 08 | 30 | 1802 | S18 | E57 | 09 | 4.1 | | A | HSX | 40 | 2 | 2 | 2 |
| 10450 | | LEAR | 08 | 31 | 0125 | S18 | E51 | 09 | 3.9 | | A | HSX | 50 | 1 | 2 | 3 |
| 10450 | | TACH | 08 | 31 | 0539 | S18 | E48 | 09 | 3.9 | | | HSX | 30 | 1 | 1 | 4 |
| 10450 | | SVTO | 08 | 31 | 0630 | S18 | E48 | 09 | 3.9 | | A | HSX | 30 | 1 | 2 | 3 |
| 10450 | 31851 | MWIL | 08 | 31 | 1430 | S23 | E40 | 09 | 3.7 | 3 | (AP) | | | | | |
| 10450 | | LEAR | 09 | 01 | 0125 | S18 | E37 | 09 | 3.9 | | A | HSX | 20 | 1 | 1 | 2 |
| 10450 | | TACH | 09 | 01 | 0607 | S18 | E35 | 09 | 3.9 | | | AR | 14 | 2 | 1 | 4 |
| 10450 | | SVTO | 09 | 01 | 0617 | S17 | E36 | 09 | 4.0 | | A | HSX | 30 | 1 | 1 | 3 |
| 10450 | | HOLL | 09 | 01 | 1430 | S17 | E32 | 09 | 4.0 | | B | CAO | 20 | 3 | 3 | 3 |
| 10450 | | LEAR | 09 | 02 | 0157 | S18 | E24 | 09 | 3.9 | | B | DAO | 60 | 10 | 4 | 4 |
| 10450 | | SVTO | 09 | 02 | 0628 | S18 | E24 | 09 | 4.1 | | B | DSO | 20 | 4 | 4 | 3 |
| 10450 | | TACH | 09 | 02 | 0944 | S19 | E21 | 09 | 4.0 | | | BRO | 25 | 3 | 4 | 4 |
| 10450 | | VORO | 09 | 02 | 1437 | S17 | E16 | 09 | 3.8 | | | FAI | 93 | 8 | 16 | 3 |
| 10450 | | HOLL | 09 | 02 | 1710 | S18 | E17 | 09 | 4.0 | | B | CSO | 20 | 5 | 4 | 2 |
| 10450 | | LEAR | 09 | 03 | 0137 | S18 | E12 | 09 | 4.0 | | B | DSO | 50 | 3 | 4 | 2 |
| 10450 | | TACH | 09 | 03 | 0517 | S18 | E11 | 09 | 4.0 | | | BXO | 6 | 2 | 3 | 4 |
| 10450 | | SVTO | 09 | 03 | 0635 | S17 | E12 | 09 | 4.2 | | B | CSO | 30 | 4 | 4 | 3 |
| 10450 | | HOLL | 09 | 03 | 1605 | S18 | E05 | 09 | 4.0 | | B | DSO | 60 | 6 | 4 | 3 |
| 10450 | | TACH | 09 | 04 | 0709 | S18 | W03 | 09 | 4.1 | | | BRO | 6 | 3 | 7 | 4 |
| 10450 | | TACH | 09 | 05 | 0908 | S17 | W19 | 09 | 3.9 | | | AXX | 2 | 1 | 1 | 5 |
| 10450A | 31855 | MWIL | 09 | 04 | 1430 | S17 | E04 | 09 | 4.9 | 4 | (AF) | | | | | |
| 10450C | 31859 | MWIL | 09 | 07 | 1445 | N16 | W29 | 09 | 5.4 | 4 | (B ) | | | | | |
| 10450B | 31857 | MWIL | 09 | 05 | 1430 | N06 | E01 | 09 | 5.7 | 3 | (AF) | | | | | |
| 10454 | | HOLL | 09 | 03 | 1605 | S11 | E40 | 09 | 6.7 | | A | AXX | 10 | 5 | 3 | 3 |
| 10454 | | VORO | 09 | 03 | 2230 | S09 | E35 | 09 | 6.6 | | | HRX | 35 | 6 | | 3 |
| 10454 | | LEAR | 09 | 04 | 0136 | S11 | E35 | 09 | 6.7 | | B | DSO | 40 | 8 | 4 | 3 |
| 10454 | | TACH | 09 | 04 | 0709 | S11 | E31 | 09 | 6.6 | | | BRI | 11 | 5 | 4 | 4 |
| 10454 | | SVTO | 09 | 04 | 0835 | S09 | E32 | 09 | 6.7 | | B | CSO | 40 | 3 | 4 | 2 |
| 10454 | 31856 | MWIL | 09 | 04 | 1430 | S10 | E27 | 09 | 6.6 | 5 | (B ) | | | | | |
| 10454 | | HOLL | 09 | 04 | 1442 | S10 | E26 | 09 | 6.6 | | A | HSX | 10 | 3 | 2 | 4 |
| 10454 | | LEAR | 09 | 05 | 0239 | S10 | E20 | 09 | 6.6 | | B | DAO | 60 | 8 | 6 | 3 |
| 10454 | | SVTO | 09 | 05 | 0705 | S10 | E18 | 09 | 6.6 | | B | DSO | 50 | 5 | 5 | 3 |
| 10454 | | TACH | 09 | 05 | 0908 | S11 | E16 | 09 | 6.6 | | | BRI | 14 | 6 | 4 | 5 |
| 10454 | | HOLL | 09 | 05 | 1414 | S10 | E13 | 09 | 6.6 | | B | DAO | 60 | 8 | 5 | 4 |
| 10454 | 31856 | MWIL | 09 | 05 | 1430 | S10 | E14 | 09 | 6.6 | 5 | (B ) | | | | | |

# S U N S P O T  G R O U P S
## (Ordered by Central Meridian Passage Date)
## SEPTEMBER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10454 | | VORO | 09 | 05 | 2346 | S09 | E08 | 09 | 6.6 | | | CRO | 31 | 3 | 5 | 3 |
| 10454 | | LEAR | 09 | 06 | 0151 | S10 | E07 | 09 | 6.6 | | B | DAO | 40 | 6 | 6 | 3 |
| 10454 | | SVTO | 09 | 06 | 0635 | S10 | E05 | 09 | 6.6 | | B | DSO | 60 | 3 | 6 | 2 |
| 10454 | 31856 | MWIL | 09 | 06 | 1430 | S10 | W01 | 09 | 6.5 | 5 | (B ) | | | | | |
| 10454 | | HOLL | 09 | 06 | 1440 | S10 | E01 | 09 | 6.7 | | B | DSO | 50 | 6 | 6 | 3 |
| 10454 | | VORO | 09 | 06 | 2232 | S09 | W05 | 09 | 6.6 | | | BRO | 18 | 3 | 5 | 3 |
| 10454 | | LEAR | 09 | 07 | 0101 | S10 | W07 | 09 | 6.5 | | B | DAO | 30 | 6 | 6 | 2 |
| 10454 | | SVTO | 09 | 07 | 0635 | S10 | W08 | 09 | 6.7 | | B | DSO | 30 | 4 | 6 | 3 |
| 10454 | 31856 | MWIL | 09 | 07 | 1445 | S10 | W14 | 09 | 6.6 | 4 | (B ) | | | | | |
| 10454 | | HOLL | 09 | 07 | 1530 | S11 | W15 | 09 | 6.5 | | B | BXO | 10 | 4 | 7 | 3 |
| 10454A | | LEAR | 09 | 06 | 0151 | N14 | E42 | 09 | 9.2 | | A | AXX | | 2 | 1 | 3 |
| 10454A | | LEAR | 09 | 08 | 0207 | N15 | E19 | 09 | 9.5 | | A | AXX | | 2 | 1 | 3 |
| 10454A | | HOLL | 09 | 08 | 1414 | N16 | E08 | 09 | 9.2 | | A | AXX | | 1 | 1 | 3 |
| 10455 | | LEAR | 09 | 06 | 0151 | S15 | E43 | 09 | 9.3 | | A | AXX | | 1 | | 3 |
| 10455 | 31858 | MWIL | 09 | 06 | 1430 | S17 | E37 | 09 | 9.4 | 4 | (AP) | | | | | |
| 10455 | | HOLL | 09 | 06 | 1440 | S18 | E38 | 09 | 9.5 | | A | HSX | 20 | 1 | 1 | 3 |
| 10455 | | LEAR | 09 | 07 | 0101 | S20 | E34 | 09 | 9.6 | | A | HRX | 10 | 3 | 1 | 2 |
| 10455 | | SVTO | 09 | 07 | 0635 | S20 | E34 | 09 | 9.9 | | B | CSO | 30 | 2 | 2 | 3 |
| 10455 | 31858 | MWIL | 09 | 07 | 1445 | S20 | E27 | 09 | 9.7 | 4 | (AP) | | | | | |
| 10455 | | LEAR | 09 | 08 | 0207 | S19 | E20 | 09 | 9.6 | | B | DAO | 30 | 7 | 4 | 3 |
| 10455 | | HOLL | 09 | 08 | 1414 | S21 | E12 | 09 | 9.5 | | B | BXO | 10 | 4 | 3 | 3 |
| 10455 | 31858 | MWIL | 09 | 08 | 1445 | S20 | E15 | 09 | 9.8 | 4 | (B ) | | | | | |
| 10455 | | LEAR | 09 | 09 | 0049 | S18 | E07 | 09 | 9.6 | | B | DAI | 60 | 12 | 5 | 3 |
| 10456 | 31860 | MWIL | 09 | 07 | 1445 | S08 | E27 | 09 | 9.6 | 4 | (B ) | | | | | |
| 10456 | | TACH | 09 | 08 | 0835 | S08 | E16 | 09 | 9.5 | | | BRI | 11 | 6 | 3 | 4 |
| 10456 | | HOLL | 09 | 08 | 1414 | S09 | E13 | 09 | 9.6 | | B | DSO | 30 | 10 | 7 | 3 |
| 10456 | 31860 | MWIL | 09 | 08 | 1445 | S07 | E13 | 09 | 9.6 | 4 | (B ) | | | | | |
| 10456 | | SVTO | 09 | 09 | 0615 | S08 | E04 | 09 | 9.6 | | B | CAO | 40 | 5 | 7 | 3 |
| 10456 | | TACH | 09 | 09 | 0935 | S08 | E02 | 09 | 9.5 | | | BRI | 20 | 8 | 4 | 5 |
| 10456 | 31860 | MWIL | 09 | 09 | 1430 | S08 | W00 | 09 | 9.6 | 5 | (BG) | | | | | |
| 10456 | | HOLL | 09 | 09 | 1745 | S08 | W02 | 09 | 9.6 | | B | DAO | 50 | 24 | 7 | 3 |
| 10456 | | VORO | 09 | 09 | 2347 | S07 | W06 | 09 | 9.5 | | | DAI | 141 | 16 | 4 | 3 |
| 10456 | | LEAR | 09 | 10 | 0110 | S08 | W07 | 09 | 9.5 | | B | DAO | 50 | 13 | 6 | 2 |
| 10456 | | TACH | 09 | 10 | 0537 | S08 | W09 | 09 | 9.5 | | | BRI | 37 | 12 | 3 | 4 |
| 10456 | | SVTO | 09 | 10 | 1113 | S08 | W13 | 09 | 9.5 | | B | DAO | 130 | 11 | 7 | 2 |
| 10456 | 31860 | MWIL | 09 | 10 | 1430 | S08 | W13 | 09 | 9.6 | 5 | (BG) | | | | | |
| 10456 | | HOLL | 09 | 10 | 1440 | S08 | W15 | 09 | 9.5 | | B | DAI | 170 | 26 | 7 | 2 |
| 10456 | | VORO | 09 | 10 | 2200 | S08 | W17 | 09 | 9.6 | | | DAI | 281 | 20 | 5 | 3 |
| 10456 | | LEAR | 09 | 11 | 0012 | S08 | W20 | 09 | 9.5 | | B | DAI | 170 | 41 | 7 | 3 |
| 10456 | | SVTO | 09 | 11 | 0755 | S08 | W24 | 09 | 9.5 | | B | DAC | 200 | 19 | 8 | 3 |
| 10456 | | TACH | 09 | 11 | 0905 | S09 | W24 | 09 | 9.6 | | | CAI | 78 | 14 | 5 | 4 |
| 10456 | 31860 | MWIL | 09 | 11 | 1430 | S07 | W27 | 09 | 9.6 | 5 | (B ) | | | | | |
| 10456 | | HOLL | 09 | 11 | 1614 | S08 | W28 | 09 | 9.6 | | B | DKI | 180 | 25 | 8 | 2 |
| 10456 | | VORO | 09 | 11 | 2301 | S07 | W32 | 09 | 9.6 | | | DAI | 204 | 20 | 8 | 2 |
| 10456 | | LEAR | 09 | 12 | 0040 | S07 | W33 | 09 | 9.5 | | BG | DAI | 260 | 45 | 9 | 3 |
| 10456 | | SVTO | 09 | 12 | 0812 | S07 | W38 | 09 | 9.5 | | B | DAI | 120 | 18 | 10 | 3 |
| 10456 | | LEAR | 09 | 13 | 0033 | S07 | W47 | 09 | 9.5 | | BG | DAI | 240 | 21 | 10 | 3 |
| 10456 | | SVTO | 09 | 13 | 0630 | S07 | W50 | 09 | 9.5 | | B | DAI | 200 | 16 | 9 | 3 |
| 10456 | | TACH | 09 | 13 | 1033 | S09 | W52 | 09 | 9.5 | | | BRI | 128 | 11 | 7 | 5 |
| 10456 | | HOLL | 09 | 13 | 1445 | S07 | W54 | 09 | 9.6 | | B | EAI | 280 | 22 | 11 | 3 |
| 10456 | 31860 | MWIL | 09 | 13 | 1500 | S08 | W55 | 09 | 9.5 | 5 | (BD) | | | | | |
| 10456 | | VORO | 09 | 13 | 2340 | S08 | W60 | 09 | 9.5 | | | DAI | 233 | 14 | 9 | 3 |
| 10456 | | LEAR | 09 | 14 | 0120 | S08 | W61 | 09 | 9.5 | | B | DAI | 180 | 20 | 10 | 3 |
| 10456 | | SVTO | 09 | 14 | 0618 | S09 | W64 | 09 | 9.4 | | B | ESI | 180 | 13 | 12 | 3 |
| 10456 | | TACH | 09 | 14 | 0907 | S10 | W64 | 09 | 9.6 | | | DAI | 183 | 9 | 11 | 4 |
| 10456 | | HOLL | 09 | 14 | 1406 | S08 | W68 | 09 | 9.5 | | B | EAC | 150 | 22 | 14 | 4 |
| 10456 | 31860 | MWIL | 09 | 14 | 1430 | S08 | W69 | 09 | 9.4 | 5 | (B ) | | | | | |
| 10456 | | VORO | 09 | 14 | 2157 | S07 | W71 | 09 | 9.6 | | | DAI | 326 | 7 | 9 | 3 |
| 10456 | | LEAR | 09 | 15 | 0015 | S08 | W74 | 09 | 9.5 | | B | EAI | 200 | 15 | 11 | 3 |
| 10456 | | SVTO | 09 | 15 | 0642 | S09 | W81 | 09 | 9.2 | | B | CSI | 90 | 5 | 7 | 3 |
| 10456 | | TACH | 09 | 15 | 0845 | S08 | W78 | 09 | 9.5 | | | HR | 88 | 3 | 3 | 4 |
| 10456 | 31860 | MWIL | 09 | 15 | 1430 | S08 | W80 | 09 | 9.6 | 4 | (BF) | | | | | |
| 10456 | | HOLL | 09 | 15 | 1501 | S08 | W83 | 09 | 9.4 | | A | HSX | 30 | 1 | 1 | 3 |
| 10456A | 31861 | MWIL | 09 | 07 | 1445 | N26 | E31 | 09 | 10.0 | 3 | (B ) | | | | | |
| 10457 | 31862 | MWIL | 09 | 08 | 1445 | S09 | E28 | 09 | 10.7 | 4 | (B ) | | | | | |

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

## SEPTEMBER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10457 | | LEAR | 09 | 09 | 0049 | S11 | E20 | 09 | 10.5 | | B | BXO | 20 | 7 | 2 | 3 |
| 10457 | | SVTO | 09 | 09 | 0615 | S13 | E17 | 09 | 10.5 | | A | AXX | 10 | 2 | 1 | 3 |
| 10457 | | TACH | 09 | 09 | 0935 | S12 | E16 | 09 | 10.6 | | | AR | 2 | 2 | 1 | 5 |
| 10457 | 31862 | MWIL | 09 | 09 | 1430 | S08 | E14 | 09 | 10.6 | 4 | (B ) | | | | | |
| 10457 | | HOLL | 09 | 09 | 1745 | S09 | E11 | 09 | 10.6 | | B | BXO | 10 | 8 | 5 | 3 |
| 10457 | | LEAR | 09 | 10 | 0110 | S11 | E05 | 09 | 10.4 | | B | BXO | 20 | 5 | 2 | 2 |
| 10457 | | TACH | 09 | 10 | 0537 | S13 | E03 | 09 | 10.5 | | | BRO | 5 | 4 | 3 | 4 |
| 10457 | | SVTO | 09 | 10 | 1113 | S11 | E01 | 09 | 10.5 | | A | AXX | 10 | 4 | 2 | 2 |
| 10457 | 31862 | MWIL | 09 | 10 | 1430 | S11 | E03 | 09 | 10.8 | 4 | (BP) | | | | | |
| 10457 | | HOLL | 09 | 10 | 1440 | S11 | W02 | 09 | 10.5 | | B | CSO | 10 | 5 | 3 | 2 |
| 10457 | | VORO | 09 | 10 | 2200 | S10 | W06 | 09 | 10.5 | | | AXX | 8 | 1 | | 3 |
| 10457 | | LEAR | 09 | 11 | 0012 | S11 | W04 | 09 | 10.7 | | B | DSO | 30 | 8 | 9 | 3 |
| 10457 | | SVTO | 09 | 11 | 0755 | S12 | W04 | 09 | 11.0 | | B | CSO | 30 | 4 | 4 | 3 |
| 10457 | | TACH | 09 | 11 | 0905 | S12 | W07 | 09 | 10.8 | | | BRI | 9 | 5 | 9 | 4 |
| 10457 | 31862 | MWIL | 09 | 11 | 1430 | S10 | W11 | 09 | 10.8 | 4 | (BP) | | | | | |
| 10457 | | HOLL | 09 | 11 | 1614 | S11 | W09 | 09 | 11.0 | | B | CSO | 30 | 4 | 4 | 2 |
| 10457 | | VORO | 09 | 11 | 2301 | S09 | W20 | 09 | 10.4 | | | BXO | 6 | 2 | 2 | 2 |
| 10457 | | LEAR | 09 | 12 | 0040 | S10 | W18 | 09 | 10.7 | | B | DSO | 60 | 7 | 10 | 3 |
| 10457 | | SVTO | 09 | 12 | 0812 | S12 | W17 | 09 | 11.1 | | B | CRO | 10 | 4 | 2 | 3 |
| 10457 | | LEAR | 09 | 13 | 0033 | S12 | W26 | 09 | 11.1 | | A | HSX | 10 | 1 | 1 | 3 |
| 10457 | | SVTO | 09 | 13 | 0630 | S13 | W29 | 09 | 11.1 | | A | HSX | 10 | 1 | 1 | 3 |
| 10457 | 31863 | MWIL | 09 | 13 | 1500 | S13 | W33 | 09 | 11.1 | 3 | (AF) | | | | | |
| 10457 | | LEAR | 09 | 15 | 0015 | S11 | W56 | 09 | 10.8 | | A | AXX | 10 | 1 | 1 | 3 |
| 10457 | | SVTO | 09 | 15 | 0642 | S12 | W60 | 09 | 10.7 | | A | HRX | 10 | 1 | 1 | 3 |
| 10457 | | TACH | 09 | 15 | 0845 | S11 | W60 | 09 | 10.8 | | | HSX | 32 | 1 | 1 | 4 |
| 10457 | 31867 | MWIL | 09 | 15 | 1430 | S12 | W64 | 09 | 10.8 | 5 | (AP) | | | | | |
| 10457 | | HOLL | 09 | 15 | 1501 | S12 | W64 | 09 | 10.8 | | B | CAO | 30 | 3 | 3 | 3 |
| 10457 | | VORO | 09 | 16 | 0300 | S12 | W72 | 09 | 10.7 | | | HAX | 27 | 2 | | 3 |
| 10457 | | TACH | 09 | 16 | 0550 | S12 | W75 | 09 | 10.6 | | | HR | 78 | 3 | 2 | 4 |
| 10457 | | SVTO | 09 | 16 | 0640 | S12 | W74 | 09 | 10.7 | | A | HRX | 30 | 1 | 1 | 3 |
| 10457 | | HOLL | 09 | 16 | 1417 | S12 | W78 | 09 | 10.7 | | A | AXX | | 1 | 1 | 3 |
| 10457 | 31867 | MWIL | 09 | 16 | 1445 | S12 | W78 | 09 | 10.7 | 4 | (AP) | | | | | |
| 10458 | | VORO | 09 | 10 | 2200 | S10 | E02 | 09 | 11.1 | | | HRX | 13 | 1 | | 3 |
| 10458 | | VORO | 09 | 11 | 2301 | S11 | W12 | 09 | 11.0 | | | HRX | 11 | 1 | | 2 |
| 10458 | | LEAR | 09 | 13 | 0033 | S08 | W19 | 09 | 11.6 | | B | CSO | 20 | 3 | 4 | 3 |
| 10458 | | SVTO | 09 | 13 | 0630 | S08 | W23 | 09 | 11.5 | | B | DSO | 20 | 4 | 4 | 3 |
| 10458 | | TACH | 09 | 13 | 1033 | S09 | W24 | 09 | 11.6 | | | BRO | 5 | 3 | 4 | 5 |
| 10458 | | HOLL | 09 | 13 | 1445 | S09 | W28 | 09 | 11.5 | | B | CAO | 20 | 11 | 4 | 3 |
| 10458 | 31864 | MWIL | 09 | 13 | 1500 | S09 | W27 | 09 | 11.6 | 4 | (B ) | | | | | |
| 10458 | | VORO | 09 | 13 | 2340 | S08 | W33 | 09 | 11.5 | | | ARX | 13 | 2 | | 3 |
| 10458 | | LEAR | 09 | 14 | 0120 | S08 | W33 | 09 | 11.6 | | B | BXO | 20 | 7 | 3 | 3 |
| 10458 | | SVTO | 09 | 14 | 0618 | S09 | W38 | 09 | 11.4 | | B | CRO | 40 | 5 | 3 | 3 |
| 10458 | | TACH | 09 | 14 | 0907 | S10 | W37 | 09 | 11.6 | | | BRO | 21 | 3 | 4 | 4 |
| 10458 | | HOLL | 09 | 14 | 1406 | S09 | W41 | 09 | 11.5 | | B | CSO | 20 | 7 | 6 | 4 |
| 10458 | 31864 | MWIL | 09 | 14 | 1430 | S09 | W41 | 09 | 11.5 | 5 | (B ) | | | | | |
| 10458 | | VORO | 09 | 14 | 2157 | S08 | W45 | 09 | 11.5 | | | HRX | 29 | 2 | | 3 |
| 10458 | | LEAR | 09 | 15 | 0015 | S08 | W47 | 09 | 11.5 | | A | AXX | 10 | 2 | 1 | 3 |
| 10458 | 31864 | MWIL | 09 | 15 | 1430 | S10 | W56 | 09 | 11.4 | 4 | (AP) | | | | | |
| 10458 | | LEAR | 09 | 16 | 0021 | S10 | W60 | 09 | 11.5 | | A | HSX | 20 | 1 | 2 | 3 |
| 10457A | | HOLL | 09 | 11 | 1614 | S18 | W01 | 09 | 11.6 | | A | AXX | | 1 | 1 | 2 |
| 10458A | | HOLL | 09 | 13 | 1445 | N09 | W05 | 09 | 13.2 | | A | AXX | 10 | 2 | 1 | 3 |
| 10458A | 31871 | MWIL | 09 | 17 | 1445 | N10 | W62 | 09 | 12.9 | 4 | (AP) | | | | | |
| 10461 | | TACH | 09 | 10 | 0537 | N11 | E52 | 09 | 14.1 | | | AXX | 2 | 1 | 1 | 4 |
| 10461 | | HOLL | 09 | 14 | 1406 | N12 | W06 | 09 | 14.1 | | B | CSO | 10 | 3 | 3 | 4 |
| 10461 | 31865 | MWIL | 09 | 14 | 1430 | N13 | W07 | 09 | 14.1 | 4 | (B ) | | | | | |
| 10461 | | VORO | 09 | 14 | 2157 | N13 | W10 | 09 | 14.2 | | | HRX | 22 | 2 | 2 | 3 |
| 10461 | | LEAR | 09 | 15 | 0015 | N12 | W12 | 09 | 14.1 | | B | BXO | 10 | 3 | 3 | 3 |
| 10461 | | LEAR | 09 | 16 | 0021 | N13 | W26 | 09 | 14.0 | | A | AXX | 10 | 2 | 2 | 3 |
| 10461 | | VORO | 09 | 16 | 0300 | N13 | W27 | 09 | 14.1 | | | CRO | 5 | 2 | 1 | 3 |
| 10461 | | HOLL | 09 | 16 | 1417 | N12 | W33 | 09 | 14.1 | | B | CSO | 30 | 9 | 4 | 3 |
| 10461 | 31865 | MWIL | 09 | 16 | 1445 | N13 | W34 | 09 | 14.0 | 5 | (B ) | | | | | |
| 10461 | | LEAR | 09 | 17 | 0031 | N13 | W39 | 09 | 14.1 | | B | DAO | 80 | 12 | 5 | 3 |
| 10461 | | VORO | 09 | 17 | 0036 | N14 | W39 | 09 | 14.1 | | | DAI | 161 | 6 | 3 | 3 |
| 10461 | | TACH | 09 | 17 | 0607 | N13 | W41 | 09 | 14.2 | | | DAI | 104 | 5 | 4 | 4 |
| 10461 | | SVTO | 09 | 17 | 0618 | N12 | W44 | 09 | 13.9 | | B | DSO | 130 | 8 | 7 | 3 |

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

## SEPTEMBER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10461 | | KAND | 09 | 17 | 0815 | N12 | W44 | 09 | 14.0 | | | DSO | | 9 | 5 | 3 |
| 10461 | 31865 | MWIL | 09 | 17 | 1445 | N13 | W47 | 09 | 14.1 | 5 | (B ) | | | | | |
| 10461 | | HOLL | 09 | 17 | 1636 | N12 | W48 | 09 | 14.1 | | B | DAO | 200 | 16 | 7 | 4 |
| 10461 | | LEAR | 09 | 18 | 0010 | N13 | W52 | 09 | 14.1 | | B | DAO | 270 | 28 | 8 | 4 |
| 10461 | | SVTO | 09 | 18 | 0625 | N13 | W57 | 09 | 14.0 | | B | DAO | 270 | 11 | 9 | 3 |
| 10461 | | TACH | 09 | 18 | 0628 | N12 | W52 | 09 | 14.3 | | | CAI | 272 | 10 | 5 | 4 |
| 10461 | | KAND | 09 | 18 | 0827 | N13 | W56 | 09 | 14.1 | | | DSO | | 15 | 8 | 5 |
| 10461 | 31865 | MWIL | 09 | 18 | 1445 | N14 | W60 | 09 | 14.1 | 5 | (B ) | | | | | |
| 10461 | | HOLL | 09 | 18 | 1655 | N14 | W60 | 09 | 14.2 | | B | DAO | 220 | 16 | 9 | 4 |
| 10461 | | VORO | 09 | 18 | 2242 | N13 | W64 | 09 | 14.1 | | | DAI | 242 | 12 | 7 | 3 |
| 10461 | | LEAR | 09 | 19 | 0102 | N13 | W64 | 09 | 14.2 | | B | DAO | 260 | 13 | 9 | 4 |
| 10461 | | TACH | 09 | 19 | 0530 | N14 | W67 | 09 | 14.2 | | | DSI | 240 | 7 | 6 | 3 |
| 10461 | | KAND | 09 | 19 | 0835 | N11 | W72 | 09 | 13.9 | | | DAO | | 4 | 9 | 4 |
| 10461 | | SVTO | 09 | 19 | 0905 | N13 | W68 | 09 | 14.2 | | B | ESO | 110 | 4 | 12 | 3 |
| 10461 | 31865 | MWIL | 09 | 19 | 1430 | N13 | W73 | 09 | 14.1 | 5 | (B ) | | | | | |
| 10461 | | HOLL | 09 | 19 | 1508 | N13 | W72 | 09 | 14.2 | | B | DAO | 100 | 7 | 9 | 4 |
| 10461 | | VORO | 09 | 19 | 2227 | N13 | W77 | 09 | 14.1 | | | DAO | 91 | 4 | 7 | 3 |
| 10462 | | VORO | 09 | 14 | 2157 | S06 | W08 | 09 | 14.3 | | | AXX | 3 | 1 | | 3 |
| 10462 | | LEAR | 09 | 15 | 0015 | S09 | W04 | 09 | 14.7 | | A | AXX | 10 | 1 | 1 | 3 |
| 10462 | 31868 | MWIL | 09 | 15 | 1430 | S09 | W12 | 09 | 14.7 | 4 | (B ) | | | | | |
| 10462 | | LEAR | 09 | 16 | 0021 | S09 | W18 | 09 | 14.7 | | B | BXO | 20 | 6 | 4 | 3 |
| 10462 | | VORO | 09 | 16 | 0300 | S09 | W20 | 09 | 14.6 | | | CRI | 11 | 4 | 3 | 3 |
| 10462 | | TACH | 09 | 16 | 0550 | S08 | W20 | 09 | 14.7 | | | AR | 15 | 4 | 3 | 4 |
| 10462 | | SVTO | 09 | 16 | 0640 | S08 | W19 | 09 | 14.8 | | B | CSO | 20 | 3 | 3 | 3 |
| 10462 | | HOLL | 09 | 16 | 1417 | S10 | W26 | 09 | 14.6 | | B | DSO | 40 | 14 | 7 | 3 |
| 10462 | 31868 | MWIL | 09 | 16 | 1445 | S09 | W26 | 09 | 14.7 | 5 | (B ) | | | | | |
| 10462 | | LEAR | 09 | 17 | 0031 | S09 | W31 | 09 | 14.7 | | B | CSO | 30 | 6 | 4 | 3 |
| 10462 | | VORO | 09 | 17 | 0036 | S09 | W31 | 09 | 14.7 | | | CAO | 65 | 3 | 4 | 3 |
| 10462 | | TACH | 09 | 17 | 0607 | S09 | W34 | 09 | 14.7 | | | BRO | 15 | 4 | 5 | 4 |
| 10462 | | SVTO | 09 | 17 | 0618 | S10 | W35 | 09 | 14.6 | | B | DRO | 40 | 6 | 5 | 3 |
| 10462 | | KAND | 09 | 17 | 0815 | S10 | W35 | 09 | 14.7 | | | BXO | | 6 | 6 | 3 |
| 10462 | 31868 | MWIL | 09 | 17 | 1445 | S10 | W39 | 09 | 14.7 | 5 | (B ) | | | | | |
| 10462 | | HOLL | 09 | 17 | 1636 | S10 | W39 | 09 | 14.8 | | B | CAO | 20 | 6 | 5 | 4 |
| 10462 | | LEAR | 09 | 18 | 0010 | S09 | W45 | 09 | 14.6 | | B | DAO | 50 | 5 | 6 | 4 |
| 10462 | | SVTO | 09 | 18 | 0625 | S10 | W52 | 09 | 14.4 | | B | CRO | 20 | 2 | 3 | 3 |
| 10462 | | TACH | 09 | 18 | 0628 | S09 | W48 | 09 | 14.7 | | | AR | 22 | 2 | 1 | 4 |
| 10462 | | KAND | 09 | 18 | 0827 | S10 | W51 | 09 | 14.5 | | | BXO | | 4 | 5 | 5 |
| 10462 | 31868 | MWIL | 09 | 18 | 1445 | S10 | W55 | 09 | 14.5 | 5 | (B ) | | | | | |
| 10462 | | HOLL | 09 | 18 | 1655 | S10 | W55 | 09 | 14.6 | | B | CSO | 30 | 11 | 6 | 4 |
| 10462 | | VORO | 09 | 18 | 2242 | S09 | W58 | 09 | 14.6 | | | CAI | 52 | 6 | 4 | 3 |
| 10462 | | LEAR | 09 | 19 | 0102 | S10 | W62 | 09 | 14.4 | | A | HSX | 90 | 1 | 2 | 4 |
| 10462 | | TACH | 09 | 19 | 0530 | S04 | W66 | 09 | 14.3 | | | HR | 92 | 2 | 2 | 3 |
| 10462 | | KAND | 09 | 19 | 0835 | S10 | W65 | 09 | 14.5 | | | CAO | | 3 | 5 | 4 |
| 10462 | | SVTO | 09 | 19 | 0905 | S09 | W65 | 09 | 14.5 | | B | CSO | 60 | 2 | 4 | 3 |
| 10462 | 31868 | MWIL | 09 | 19 | 1430 | S10 | W70 | 09 | 14.3 | 5 | (B ) | | | | | |
| 10462 | | HOLL | 09 | 19 | 1508 | S09 | W70 | 09 | 14.4 | | A | HAX | 60 | 1 | 2 | 4 |
| 10462 | | VORO | 09 | 19 | 2227 | S10 | W74 | 09 | 14.4 | | | HAX | 64 | 1 | | 3 |
| 10462 | | LEAR | 09 | 20 | 0056 | S10 | W78 | 09 | 14.2 | | A | HSX | 60 | 1 | 2 | 4 |
| 10462 | | SVTO | 09 | 20 | 0925 | S10 | W81 | 09 | 14.3 | | A | HSX | 30 | 1 | 3 | 3 |
| 10462A | | HOLL | 09 | 16 | 1417 | N15 | E13 | 09 | 17.6 | | A | AXX | | 1 | 1 | 3 |
| 10462A | 31870 | MWIL | 09 | 16 | 1445 | N15 | E13 | 09 | 17.6 | 4 | (AP) | | | | | |
| 10459 | | VORO | 09 | 13 | 2340 | S11 | E51 | 09 | 17.8 | | | AXX | 4 | 2 | | 3 |
| 10459 | | LEAR | 09 | 14 | 0120 | S10 | E50 | 09 | 17.8 | | A | AXX | | 1 | | 3 |
| 10459 | | SVTO | 09 | 14 | 0618 | S11 | E48 | 09 | 17.9 | | B | BXO | 20 | 2 | 3 | 3 |
| 10459 | | TACH | 09 | 14 | 0907 | S10 | E46 | 09 | 17.8 | | | AR | 27 | 2 | 2 | 4 |
| 10459 | | HOLL | 09 | 14 | 1406 | S12 | E43 | 09 | 17.8 | | B | CSO | 20 | 3 | 2 | 4 |
| 10459 | 31866 | MWIL | 09 | 14 | 1430 | S11 | E42 | 09 | 17.8 | 4 | (B ) | | | | | |
| 10459 | | VORO | 09 | 14 | 2157 | S09 | E33 | 09 | 17.4 | | | BXO | 9 | 3 | 7 | 3 |
| 10459 | | LEAR | 09 | 15 | 0015 | S11 | E37 | 09 | 17.8 | | B | CRO | 20 | 5 | 3 | 3 |
| 10459 | | SVTO | 09 | 15 | 0642 | S11 | E33 | 09 | 17.8 | | B | DSO | 30 | 3 | 4 | 3 |
| 10459 | | TACH | 09 | 15 | 0845 | S10 | E32 | 09 | 17.8 | | | BRO | 33 | 3 | 3 | 4 |
| 10459 | 31866 | MWIL | 09 | 15 | 1430 | S11 | E30 | 09 | 17.9 | 4 | (B ) | | | | | |
| 10459 | | HOLL | 09 | 15 | 1501 | S11 | E28 | 09 | 17.7 | | B | DSO | 20 | 5 | 4 | 3 |
| 10459 | | LEAR | 09 | 16 | 0021 | S11 | E23 | 09 | 17.7 | | B | CSO | 20 | 5 | 4 | 3 |
| 10459 | | VORO | 09 | 16 | 0300 | S11 | E22 | 09 | 17.8 | | | DRI | 19 | 5 | 6 | 3 |
| 10459 | | TACH | 09 | 16 | 0550 | S10 | E19 | 09 | 17.7 | | | BRI | 14 | 7 | 4 | 4 |

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

## SEPTEMBER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10459 | | SVTO | 09 | 16 | 0640 | S10 | E22 | 09 | 17.9 | | B | DRO | 20 | 7 | 5 | 3 |
| 10459 | | HOLL | 09 | 16 | 1417 | S11 | E17 | 09 | 17.9 | | B | DAI | 60 | 12 | 8 | 3 |
| 10459 | 31866 | MWIL | 09 | 16 | 1445 | S11 | E16 | 09 | 17.8 | 5 | (B ) | | | | | |
| 10459 | | LEAR | 09 | 17 | 0031 | S11 | E11 | 09 | 17.8 | | B | CSO | 40 | 9 | 7 | 3 |
| 10459 | | VORO | 09 | 17 | 0036 | S10 | E10 | 09 | 17.8 | | | CAI | 123 | 6 | 6 | 3 |
| 10459 | | TACH | 09 | 17 | 0607 | S10 | E09 | 09 | 17.9 | | | BRI | 21 | 6 | 6 | 4 |
| 10459 | | SVTO | 09 | 17 | 0618 | S11 | E08 | 09 | 17.9 | | B | DSO | 50 | 6 | 8 | 3 |
| 10459 | | KAND | 09 | 17 | 0815 | S10 | E08 | 09 | 17.9 | | | DSO | | 5 | 8 | 3 |
| 10459 | 31866 | MWIL | 09 | 17 | 1445 | S11 | E04 | 09 | 17.9 | 4 | (B ) | | | | | |
| 10459 | | HOLL | 09 | 17 | 1636 | S11 | E03 | 09 | 17.9 | | B | DAO | 50 | 19 | 8 | 4 |
| 10459 | | LEAR | 09 | 18 | 0010 | S11 | W02 | 09 | 17.8 | | B | DAO | 50 | 12 | 7 | 4 |
| 10459 | | SVTO | 09 | 18 | 0625 | S11 | W04 | 09 | 18.0 | | B | CSO | 50 | 9 | 5 | 3 |
| 10459 | | TACH | 09 | 18 | 0628 | S10 | W03 | 09 | 18.0 | | | BRI | 30 | 6 | 3 | 4 |
| 10459 | | KAND | 09 | 18 | 0827 | S10 | W05 | 09 | 18.0 | | | BXO | | 11 | 6 | 5 |
| 10459 | 31866 | MWIL | 09 | 18 | 1445 | S11 | W09 | 09 | 17.9 | 5 | (B ) | | | | | |
| 10459 | | HOLL | 09 | 18 | 1655 | S11 | W10 | 09 | 17.9 | | B | DAO | 110 | 18 | 5 | 4 |
| 10459 | | VORO | 09 | 18 | 2242 | S10 | W13 | 09 | 18.0 | | | DAI | 95 | 10 | 5 | 3 |
| 10459 | | LEAR | 09 | 19 | 0102 | S11 | W15 | 09 | 17.9 | | B | DAO | 120 | 13 | 6 | 4 |
| 10459 | | TACH | 09 | 19 | 0530 | S10 | W16 | 09 | 18.0 | | | DAI | 76 | 8 | 4 | 3 |
| 10459 | | KAND | 09 | 19 | 0835 | S11 | W18 | 09 | 18.0 | | | DAO | | 10 | 6 | 4 |
| 10459 | | SVTO | 09 | 19 | 0905 | S11 | W18 | 09 | 18.0 | | B | DAO | 100 | 7 | 7 | 3 |
| 10459 | 31866 | MWIL | 09 | 19 | 1430 | S11 | W22 | 09 | 17.9 | 5 | (B ) | | | | | |
| 10459 | | HOLL | 09 | 19 | 1508 | S11 | W23 | 09 | 17.9 | | B | DAO | 70 | 7 | 7 | 4 |
| 10459 | | VORO | 09 | 19 | 2227 | S11 | W27 | 09 | 17.9 | | | DAO | 118 | 9 | 6 | 3 |
| 10459 | | LEAR | 09 | 20 | 0056 | S11 | W28 | 09 | 17.9 | | B | DAO | 140 | 10 | 8 | 4 |
| 10459 | | SVTO | 09 | 20 | 0925 | S13 | W34 | 09 | 17.8 | | B | DAO | 70 | 7 | 9 | 3 |
| 10459 | | TACH | 09 | 20 | 1007 | S12 | W32 | 09 | 18.0 | | | CAI | 54 | 4 | 7 | 3 |
| 10459 | | KAND | 09 | 20 | 1135 | S11 | W34 | 09 | 17.9 | | | DAO | | 7 | 8 | 4 |
| 10459 | 31866 | MWIL | 09 | 20 | 1430 | S11 | W36 | 09 | 17.9 | 5 | (BP) | | | | | |
| 10459 | | HOLL | 09 | 20 | 1520 | S11 | W36 | 09 | 17.9 | | B | DAO | 80 | 15 | 8 | 3 |
| 10459 | | VORO | 09 | 20 | 2214 | S12 | W40 | 09 | 17.9 | | | CAI | 88 | 10 | 7 | 3 |
| 10459 | | LEAR | 09 | 21 | 0000 | S12 | W42 | 09 | 17.8 | | B | CAI | 110 | 12 | 9 | 2 |
| 10459 | | SVTO | 09 | 21 | 0617 | S12 | W46 | 09 | 17.8 | | B | CSO | 80 | 7 | 9 | 3 |
| 10459 | | KAND | 09 | 21 | 0835 | S10 | W45 | 09 | 18.0 | | | CSO | | 4 | 9 | 4 |
| 10459 | 31866 | MWIL | 09 | 21 | 1445 | S10 | W52 | 09 | 17.7 | 4 | (BP) | | | | | |
| 10459 | | HOLL | 09 | 21 | 1550 | S09 | W53 | 09 | 17.7 | | B | DSO | 60 | 4 | 5 | 4 |
| 10459 | | VORO | 09 | 21 | 2137 | S11 | W53 | 09 | 17.9 | | | CAI | 70 | 4 | 7 | 3 |
| 10459 | | LEAR | 09 | 22 | 0113 | S11 | W56 | 09 | 17.8 | | B | CAO | 40 | 3 | 9 | 3 |
| 10459 | | TACH | 09 | 22 | 0520 | S10 | W59 | 09 | 17.8 | | | CAO | 41 | 3 | 9 | 4 |
| 10459 | | SVTO | 09 | 22 | 0622 | S12 | W61 | 09 | 17.7 | | B | BXO | 20 | 3 | 4 | 3 |
| 10459 | | KAND | 09 | 22 | 0755 | S11 | W60 | 09 | 17.8 | | | CAO | | 6 | 10 | 4 |
| 10459 | 31866 | MWIL | 09 | 22 | 1430 | S11 | W60 | 09 | 18.1 | 4 | (B ) | | | | | |
| 10459 | | VORO | 09 | 22 | 2205 | S10 | W69 | 09 | 17.7 | | | HRX | 18 | 2 | 3 | 3 |
| 10459 | | LEAR | 09 | 23 | 0010 | S10 | W72 | 09 | 17.6 | | B | DAO | 60 | 2 | 4 | 4 |
| 10459 | | SVTO | 09 | 23 | 0910 | S12 | W78 | 09 | 17.5 | | B | BXO | 10 | 2 | 3 | 3 |
| 10459 | 31866 | MWIL | 09 | 23 | 1430 | S11 | W80 | 09 | 17.6 | 4 | (AF) | | | | | |
| 10459 | | HOLL | 09 | 23 | 1704 | S13 | W78 | 09 | 17.8 | | A | AXX | | 1 | 1 | 2 |
| 10459A | 31873 | MWIL | 09 | 19 | 1430 | N04 | W20 | 09 | 18.1 | 4 | (AP) | | | | | |
| 10459B | 31874 | MWIL | 09 | 19 | 1430 | N12 | W13 | 09 | 18.6 | 4 | (AP) | | | | | |
| 10459C | 31875 | MWIL | 09 | 19 | 1430 | N07 | W07 | 09 | 19.1 | 4 | (BF) | | | | | |
| 10460 | | SVTO | 09 | 15 | 0642 | N16 | E85 | 09 | 21.7 | | A | AXX | 10 | 1 | 1 | 3 |
| 10460 | 31869 | MWIL | 09 | 15 | 1430 | N17 | E80 | 09 | 21.7 | 4 | (AP) | | | | | |
| 10460 | | HOLL | 09 | 15 | 1501 | N17 | E77 | 09 | 21.5 | | A | HSX | 60 | 1 | 1 | 3 |
| 10460 | | LEAR | 09 | 16 | 0021 | N17 | E76 | 09 | 21.8 | | B | CSO | 60 | 4 | 8 | 3 |
| 10460 | | VORO | 09 | 16 | 0300 | N17 | E71 | 09 | 21.5 | | | HAX | 57 | 1 | | 3 |
| 10460 | | TACH | 09 | 16 | 0550 | N18 | E68 | 09 | 21.4 | | | HSX | 51 | 1 | 1 | 4 |
| 10460 | | SVTO | 09 | 16 | 0640 | N17 | E70 | 09 | 21.6 | | A | HSX | 30 | 1 | 1 | 3 |
| 10460 | | HOLL | 09 | 16 | 1417 | N17 | E66 | 09 | 21.6 | | B | CSO | 50 | 3 | 5 | 3 |
| 10460 | 31869 | MWIL | 09 | 16 | 1445 | N18 | E68 | 09 | 21.8 | 5 | (B ) | | | | | |
| 10460 | | LEAR | 09 | 17 | 0031 | N17 | E63 | 09 | 21.8 | | B | CSO | 60 | 2 | 10 | 3 |
| 10460 | | VORO | 09 | 17 | 0036 | N18 | E63 | 09 | 21.8 | | | DAO | 85 | 2 | 8 | 3 |
| 10460 | | TACH | 09 | 17 | 0607 | N17 | E61 | 09 | 21.9 | | | BXO | 25 | 2 | 9 | 4 |
| 10460 | | SVTO | 09 | 17 | 0618 | N18 | E61 | 09 | 21.9 | | B | CSO | 40 | 2 | 9 | 3 |
| 10460 | | KAND | 09 | 17 | 0815 | N18 | E57 | 09 | 21.7 | | | HS | | 1 | 1 | 3 |
| 10460 | 31869 | MWIL | 09 | 17 | 1445 | N18 | E56 | 09 | 21.9 | 4 | (B ) | | | | | |

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

## SEPTEMBER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10460 | | HOLL | 09 | 17 | 1636 | N16 | E55 | 09 | 21.9 | | B | CAO | 30 | 3 | 9 | 4 |
| 10460 | | LEAR | 09 | 18 | 0010 | N17 | E51 | 09 | 21.9 | | B | DAI | 60 | 2 | 9 | 4 |
| 10460 | | SVTO | 09 | 18 | 0625 | N18 | E44 | 09 | 21.6 | | B | CSO | 20 | 2 | 2 | 3 |
| 10460 | | TACH | 09 | 18 | 0628 | N18 | E47 | 09 | 21.8 | | | CSO | 52 | 2 | 10 | 4 |
| 10460 | | KAND | 09 | 18 | 0827 | N18 | E46 | 09 | 21.8 | | | BXO | | 5 | 11 | 5 |
| 10460 | 31869 | MWIL | 09 | 18 | 1445 | N18 | E43 | 09 | 21.9 | 4 | (BP) | | | | | |
| 10460 | | HOLL | 09 | 18 | 1655 | N17 | E42 | 09 | 21.9 | | B | CAO | 40 | 4 | 9 | 4 |
| 10460 | | VORO | 09 | 18 | 2242 | N18 | E38 | 09 | 21.8 | | | CRO | 24 | 3 | 9 | 3 |
| 10460 | | LEAR | 09 | 19 | 0102 | N17 | E32 | 09 | 21.5 | | B | CAO | 20 | 2 | 1 | 4 |
| 10460 | | TACH | 09 | 19 | 0530 | N17 | E33 | 09 | 21.7 | | | AR | 25 | 2 | 1 | 3 |
| 10460 | | KAND | 09 | 19 | 0835 | N17 | E29 | 09 | 21.6 | | | AX | | 4 | 2 | 4 |
| 10460 | | SVTO | 09 | 19 | 0905 | N17 | E29 | 09 | 21.6 | | A | HAX | 20 | 1 | 1 | 3 |
| 10460 | 31869 | MWIL | 09 | 19 | 1430 | N17 | E25 | 09 | 21.5 | 4 | (AP) | | | | | |
| 10460 | | HOLL | 09 | 19 | 1508 | N17 | E27 | 09 | 21.7 | | A | HSX | 20 | 2 | 1 | 4 |
| 10460 | | VORO | 09 | 19 | 2227 | N17 | E21 | 09 | 21.5 | | | HRX | 27 | 3 | | 3 |
| 10460 | | LEAR | 09 | 20 | 0056 | N17 | E19 | 09 | 21.5 | | B | DSI | 20 | 4 | 2 | 4 |
| 10460 | | SVTO | 09 | 20 | 0925 | N17 | E15 | 09 | 21.5 | | A | AXX | | 1 | | 3 |
| 10460 | | TACH | 09 | 20 | 1007 | N16 | E15 | 09 | 21.5 | | | AXX | 5 | 1 | 1 | 3 |
| 10460 | | KAND | 09 | 20 | 1135 | N17 | E14 | 09 | 21.5 | | | AX | | 1 | | 4 |
| 10460 | 31869 | MWIL | 09 | 20 | 1430 | N17 | E12 | 09 | 21.5 | 4 | (AP) | | | | | |
| 10460 | | HOLL | 09 | 20 | 1520 | N17 | E12 | 09 | 21.5 | | A | HAX | 10 | 4 | 2 | 3 |
| 10460 | | VORO | 09 | 20 | 2214 | N17 | E08 | 09 | 21.5 | | | AXX | 15 | 2 | | 3 |
| 10460 | | LEAR | 09 | 21 | 0000 | N18 | E06 | 09 | 21.4 | | B | BXO | 10 | 7 | 3 | 2 |
| 10460 | | SVTO | 09 | 21 | 0617 | N17 | E04 | 09 | 21.6 | | B | BXO | 10 | 4 | 3 | 3 |
| 10460 | | KAND | 09 | 21 | 0835 | N12 | E03 | 09 | 21.6 | | | CAO | | 3 | 3 | 4 |
| 10460 | 31869 | MWIL | 09 | 21 | 1445 | N17 | E00 | 09 | 21.6 | 4 | (BP) | | | | | |
| 10460 | | HOLL | 09 | 21 | 1550 | N16 | W01 | 09 | 21.6 | | B | BXO | 20 | 7 | 4 | 4 |
| 10460 | | VORO | 09 | 21 | 2137 | N15 | W03 | 09 | 21.7 | | | AXX | 5 | 1 | | 3 |
| 10460 | | LEAR | 09 | 22 | 0113 | N16 | W07 | 09 | 21.5 | | B | BXO | 10 | 2 | 3 | 3 |
| 10460 | 31869 | MWIL | 09 | 22 | 1430 | N17 | W13 | 09 | 21.6 | 4 | (B ) | | | | | |
| 10460 | | LEAR | 09 | 23 | 0010 | N17 | W21 | 09 | 21.4 | | A | HRX | 10 | 3 | 1 | 4 |
| 10468 | | LEAR | 09 | 23 | 0010 | N16 | W03 | 09 | 22.8 | | A | AXX | | 1 | | 4 |
| 10468 | 31879 | MWIL | 09 | 23 | 1430 | N15 | W11 | 09 | 22.8 | 4 | (AP) | | | | | |
| 10468 | | HOLL | 09 | 23 | 1704 | N17 | W13 | 09 | 22.7 | | B | BXO | 10 | 2 | 3 | 2 |
| 10468 | | HOLL | 09 | 24 | 1509 | N17 | W22 | 09 | 22.9 | | A | AXX | | 1 | 1 | 4 |
| 10463 | | TACH | 09 | 17 | 0607 | N08 | E85 | 09 | 23.6 | | | AXX | 23 | 1 | 1 | 4 |
| 10463 | | SVTO | 09 | 17 | 0618 | N10 | E83 | 09 | 23.5 | | A | HSX | 60 | 1 | 3 | 3 |
| 10463 | | KAND | 09 | 17 | 0815 | N10 | E81 | 09 | 23.4 | | | HA | | 1 | 2 | 3 |
| 10463 | 31872 | MWIL | 09 | 17 | 1445 | N10 | E78 | 09 | 23.5 | 4 | (AP) | | | | | |
| 10463 | | HOLL | 09 | 17 | 1636 | N09 | E78 | 09 | 23.5 | | A | HAX | 120 | 1 | 2 | 4 |
| 10463 | | LEAR | 09 | 18 | 0010 | N09 | E72 | 09 | 23.4 | | A | HSX | 100 | 1 | 2 | 4 |
| 10463 | | SVTO | 09 | 18 | 0625 | N09 | E68 | 09 | 23.4 | | A | HSX | 40 | 1 | 1 | 3 |
| 10463 | | TACH | 09 | 18 | 0628 | N10 | E68 | 09 | 23.4 | | | HSX | 90 | 1 | 2 | 4 |
| 10463 | | KAND | 09 | 18 | 0827 | N10 | E69 | 09 | 23.5 | | | HS | | 1 | 2 | 5 |
| 10463 | 31872 | MWIL | 09 | 18 | 1445 | N09 | E64 | 09 | 23.4 | 5 | (AP) | | | | | |
| 10463 | | HOLL | 09 | 18 | 1655 | N09 | E62 | 09 | 23.3 | | A | HAX | 80 | 1 | 2 | 4 |
| 10463 | | VORO | 09 | 18 | 2242 | N10 | E59 | 09 | 23.4 | | | HAX | 92 | 1 | | 3 |
| 10463 | | LEAR | 09 | 19 | 0102 | N10 | E57 | 09 | 23.3 | | A | HSX | 110 | 1 | 2 | 4 |
| 10463 | | TACH | 09 | 19 | 0530 | N10 | E55 | 09 | 23.4 | | | HSX | 87 | 1 | 2 | 3 |
| 10463 | | KAND | 09 | 19 | 0835 | N10 | E55 | 09 | 23.5 | | | HS | | 1 | 2 | 4 |
| 10463 | | SVTO | 09 | 19 | 0905 | N08 | E55 | 09 | 23.5 | | A | HSX | 30 | 1 | 1 | 3 |
| 10463 | 31872 | MWIL | 09 | 19 | 1430 | N09 | E51 | 09 | 23.4 | 5 | (BP) | | | | | |
| 10463 | | HOLL | 09 | 19 | 1508 | N09 | E50 | 09 | 23.4 | | A | HSX | 60 | 1 | 2 | 4 |
| 10463 | | VORO | 09 | 19 | 2227 | N09 | E45 | 09 | 23.3 | | | HAX | 112 | 2 | | 3 |
| 10463 | | LEAR | 09 | 20 | 0056 | N08 | E44 | 09 | 23.3 | | A | HSX | 80 | 2 | 2 | 4 |
| 10463 | | SVTO | 09 | 20 | 0925 | N09 | E40 | 09 | 23.4 | | A | HSX | 70 | 1 | 2 | 3 |
| 10463 | | TACH | 09 | 20 | 1007 | N08 | E40 | 09 | 23.4 | | | HSX | 29 | 1 | 1 | 3 |
| 10463 | | KAND | 09 | 20 | 1135 | N09 | E39 | 09 | 23.4 | | | HS | | 1 | 2 | 4 |
| 10463 | 31872 | MWIL | 09 | 20 | 1430 | N09 | E37 | 09 | 23.4 | 5 | (AP) | | | | | |
| 10463 | | HOLL | 09 | 20 | 1520 | N08 | E38 | 09 | 23.5 | | A | HAX | 60 | 1 | 2 | 3 |
| 10463 | | VORO | 09 | 20 | 2214 | N10 | E32 | 09 | 23.3 | | | HSX | 138 | 0 | | 3 |
| 10463 | | LEAR | 09 | 21 | 0000 | N09 | E31 | 09 | 23.3 | | A | HSX | 90 | 1 | 2 | 2 |
| 10463 | | SVTO | 09 | 21 | 0617 | N09 | E28 | 09 | 23.4 | | A | HSX | 70 | 1 | 2 | 3 |
| 10463 | | KAND | 09 | 21 | 0835 | N10 | E26 | 09 | 23.3 | | | HS | | 1 | 2 | 4 |
| 10463 | 31872 | MWIL | 09 | 21 | 1445 | N09 | E24 | 09 | 23.4 | 5 | (AP) | | | | | |
| 10463 | | HOLL | 09 | 21 | 1550 | N09 | E22 | 09 | 23.3 | | A | HSX | 50 | 1 | 2 | 4 |
| 10463 | | VORO | 09 | 21 | 2137 | N09 | E18 | 09 | 23.2 | | | HAX | 123 | 1 | | 3 |

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

## SEPTEMBER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10463 | | LEAR | 09 | 22 | 0113 | N09 | E18 | 09 | 23.4 | | A | HAX | 50 | 1 | 2 | 3 |
| 10463 | | TACH | 09 | 22 | 0520 | N09 | E15 | 09 | 23.3 | | | HSX | 36 | 1 | 1 | 4 |
| 10463 | | SVTO | 09 | 22 | 0622 | N09 | E15 | 09 | 23.4 | | A | HSX | 40 | 1 | 2 | 3 |
| 10463 | | KAND | 09 | 22 | 0755 | N10 | E14 | 09 | 23.4 | | | HS | | 1 | 2 | 4 |
| 10463 | 31872 | MWIL | 09 | 22 | 1430 | N09 | E11 | 09 | 23.4 | 5 | (BP) | | | | | |
| 10463 | | VORO | 09 | 22 | 2205 | N10 | E06 | 09 | 23.4 | | | HAX | 91 | 2 | | 3 |
| 10463 | | LEAR | 09 | 23 | 0010 | N09 | E04 | 09 | 23.3 | | A | HSX | 60 | 1 | 2 | 4 |
| 10463 | | SVTO | 09 | 23 | 0910 | N09 | W01 | 09 | 23.3 | | A | HSX | 60 | 1 | 1 | 3 |
| 10463 | | TACH | 09 | 23 | 0939 | N09 | W01 | 09 | 23.3 | | | HSX | 75 | 1 | 1 | 3 |
| 10463 | | KAND | 09 | 23 | 1045 | N09 | W02 | 09 | 23.3 | | | HS | | 1 | 2 | 3 |
| 10463 | 31872 | MWIL | 09 | 23 | 1430 | N09 | W04 | 09 | 23.3 | 5 | (AP) | | | | | |
| 10463 | | HOLL | 09 | 23 | 1704 | N08 | W06 | 09 | 23.3 | | B | CSO | 40 | 5 | 3 | 2 |
| 10463 | | VORO | 09 | 23 | 2156 | N10 | W07 | 09 | 23.4 | | | HSX | 106 | 3 | | 3 |
| 10463 | | LEAR | 09 | 24 | 0037 | N09 | W09 | 09 | 23.3 | | A | HSX | 60 | 1 | 2 | 2 |
| 10463 | | TACH | 09 | 24 | 0543 | N09 | W12 | 09 | 23.3 | | | HSX | 92 | 1 | 1 | 3 |
| 10463 | | SVTO | 09 | 24 | 0620 | N09 | W13 | 09 | 23.3 | | A | HSX | 60 | 1 | 2 | 3 |
| 10463 | | KAND | 09 | 24 | 0705 | N09 | W13 | 09 | 23.3 | | | HS | | 1 | 2 | 4 |
| 10463 | 31872 | MWIL | 09 | 24 | 1445 | N09 | W17 | 09 | 23.3 | 5 | (AP) | | | | | |
| 10463 | | HOLL | 09 | 24 | 1509 | N09 | W18 | 09 | 23.3 | | A | HSX | 20 | 1 | 2 | 4 |
| 10463 | | VORO | 09 | 24 | 2255 | N08 | W22 | 09 | 23.3 | | | HAX | 37 | 2 | | 3 |
| 10463 | | LEAR | 09 | 25 | 0107 | N09 | W24 | 09 | 23.2 | | A | HSX | 50 | 2 | 2 | 2 |
| 10463 | | TACH | 09 | 25 | 0523 | N09 | W26 | 09 | 23.3 | | | HSX | 28 | 1 | 1 | 4 |
| 10463 | | KAND | 09 | 25 | 0835 | N09 | W28 | 09 | 23.2 | | | HS | | 1 | 1 | 4 |
| 10463 | | SVTO | 09 | 25 | 0953 | N09 | W28 | 09 | 23.3 | | B | CSO | 50 | 2 | 3 | 3 |
| 10463 | 31872 | MWIL | 09 | 25 | 1445 | N09 | W31 | 09 | 23.3 | 4 | (AP) | | | | | |
| 10463 | | LEAR | 09 | 26 | 0038 | N08 | W37 | 09 | 23.2 | | A | HSX | 50 | 1 | 2 | 2 |
| 10463 | | KAND | 09 | 26 | 0630 | N09 | W40 | 09 | 23.3 | | | HS | | 1 | 1 | 4 |
| 10463 | | TACH | 09 | 26 | 0852 | N09 | W41 | 09 | 23.3 | | | HSX | 40 | 1 | 1 | 4 |
| 10463 | | SVTO | 09 | 26 | 1103 | N09 | W42 | 09 | 23.3 | | A | HSX | 20 | 1 | 1 | 3 |
| 10463 | 31882 | MWIL | 09 | 26 | 1430 | N05 | W37 | 09 | 23.8 | 3 | (AP) | | | | | |
| 10463 | 31872 | MWIL | 09 | 26 | 1430 | N09 | W45 | 09 | 23.2 | 5 | (AP) | | | | | |
| 10463 | | HOLL | 09 | 26 | 1451 | N08 | W46 | 09 | 23.2 | | A | HSX | 30 | 1 | 1 | 4 |
| 10463 | | VORO | 09 | 26 | 2346 | N09 | W49 | 09 | 23.3 | | | HAX | 27 | 1 | | 3 |
| 10463 | | LEAR | 09 | 27 | 0047 | N09 | W51 | 09 | 23.2 | | A | HSX | 20 | 1 | 1 | 4 |
| 10463 | | TACH | 09 | 27 | 0559 | N09 | W53 | 09 | 23.3 | | | HSX | 25 | 1 | 1 | 3 |
| 10463 | | SVTO | 09 | 27 | 0630 | N09 | W54 | 09 | 23.2 | | A | HSX | 20 | 1 | 1 | 3 |
| 10463 | 31872 | MWIL | 09 | 27 | 1500 | N09 | W58 | 09 | 23.3 | 4 | (AP) | | | | | |
| 10463 | | HOLL | 09 | 27 | 1550 | N08 | W59 | 09 | 23.2 | | B | BXO | 10 | 2 | 1 | 3 |
| 10463 | | LEAR | 09 | 28 | 0155 | N09 | W65 | 09 | 23.2 | | A | AXX | 10 | 1 | 1 | 2 |
| 10463B | | KAND | 09 | 24 | 0705 | S08 | W03 | 09 | 24.1 | | | AX | | 1 | | 4 |
| 10463A | | KAND | 09 | 23 | 1045 | S08 | E27 | 09 | 25.5 | | | AX | | 1 | | 3 |
| 10463A | 31880 | MWIL | 09 | 23 | 1430 | S08 | E24 | 09 | 25.4 | 4 | (AP) | | | | | |
| 10463A | | HOLL | 09 | 23 | 1704 | S07 | E23 | 09 | 25.4 | | A | AXX | 10 | 2 | 2 | 2 |
| 10463A | | LEAR | 09 | 26 | 0038 | S08 | W10 | 09 | 25.3 | | BG | FKI | 10 | 5 | 3 | 2 |
| 10463A | | VORO | 09 | 26 | 2346 | S08 | W21 | 09 | 25.4 | | | AXX | 6 | 3 | | 3 |
| 10463A | | LEAR | 09 | 27 | 0047 | S08 | W22 | 09 | 25.4 | | A | AXX | 10 | 2 | 1 | 4 |
| 10463A | 31884 | MWIL | 09 | 28 | 1430 | S10 | W45 | 09 | 25.2 | 3 | (AP) | | | | | |
| 10469 | 31883 | MWIL | 09 | 26 | 1430 | S10 | W06 | 09 | 26.1 | 5 | (BP) | | | | | |
| 10469 | | HOLL | 09 | 26 | 1451 | S09 | W07 | 09 | 26.1 | | B | BXO | 10 | 4 | 3 | 4 |
| 10469 | | VORO | 09 | 26 | 2346 | S09 | W12 | 09 | 26.1 | | | AXX | 5 | 4 | | 3 |
| 10469 | | LEAR | 09 | 27 | 0047 | S09 | W12 | 09 | 26.1 | | B | BXO | 10 | 4 | 3 | 4 |
| 10469 | 31883 | MWIL | 09 | 27 | 1500 | S09 | W19 | 09 | 26.2 | 5 | (B ) | | | | | |
| 10469 | | HOLL | 09 | 27 | 1550 | S09 | W20 | 09 | 26.1 | | B | DAO | 40 | 8 | 4 | 3 |
| 10469 | | LEAR | 09 | 28 | 0155 | S09 | W26 | 09 | 26.1 | | B | DAO | 70 | 7 | 5 | 2 |
| 10469 | | TACH | 09 | 28 | 0609 | S09 | W28 | 09 | 26.1 | | | BRI | 16 | 5 | 4 | 4 |
| 10469 | 31883 | MWIL | 09 | 28 | 1430 | S09 | W33 | 09 | 26.1 | 4 | (B ) | | | | | |
| 10469 | | HOLL | 09 | 28 | 1434 | S09 | W33 | 09 | 26.1 | | B | DSO | 40 | 8 | 4 | 4 |
| 10469 | | VORO | 09 | 28 | 2214 | S08 | W34 | 09 | 26.4 | | | DRO | 13 | 2 | 1 | 4 |
| 10469 | | VORO | 09 | 28 | 2214 | S09 | W39 | 09 | 26.0 | | | HRX | 24 | 4 | | 4 |
| 10469 | | LEAR | 09 | 29 | 0205 | S09 | W40 | 09 | 26.1 | | B | DSO | 40 | 4 | 5 | 2 |
| 10469 | | TACH | 09 | 29 | 0600 | S09 | W40 | 09 | 26.2 | | | BXO | 17 | 2 | 5 | 4 |
| 10469 | | KAND | 09 | 29 | 0615 | S10 | W44 | 09 | 25.9 | | | AX | | 1 | | 4 |
| 10469 | 31883 | MWIL | 09 | 29 | 1430 | S09 | W48 | 09 | 26.0 | 5 | (BP) | | | | | |
| 10469 | | HOLL | 09 | 29 | 1500 | S10 | W49 | 09 | 25.9 | | A | HSX | 20 | 3 | 2 | 3 |
| 10469 | | VORO | 09 | 29 | 2211 | S10 | W53 | 09 | 25.9 | | | ARX | 44 | 5 | | 4 |
| 10469 | | LEAR | 09 | 30 | 0122 | S09 | W54 | 09 | 26.0 | | B | DSO | 70 | 5 | 4 | 2 |

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

## SEPTEMBER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10469 | | TACH | 09 | 30 | 0533 | S08 | W56 | 09 | 26.0 | | | CAO | 48 | 3 | 3 | 4 |
| 10469 | | HOLL | 09 | 30 | 1434 | S08 | W61 | 09 | 26.0 | | B | DSO | 70 | 4 | 7 | 4 |
| 10469 | 31883 | MWIL | 09 | 30 | 1445 | S08 | W65 | 09 | 25.7 | 5 | (B ) | | | | | |
| 10469 | | LEAR | 10 | 01 | 0010 | S08 | W66 | 09 | 26.1 | | B | DSO | 50 | 3 | 5 | 3 |
| 10469 | | VORO | 10 | 01 | 0320 | S10 | W71 | 09 | 25.9 | | | HRX | 33 | 4 | | 4 |
| 10469 | | TACH | 10 | 01 | 0608 | S09 | W73 | 09 | 25.9 | | | AXX | 19 | 1 | 1 | 3 |
| 10469 | | SVTO | 10 | 01 | 0817 | S11 | W77 | 09 | 25.6 | | A | HSX | 30 | 1 | 2 | 3 |
| 10469 | | KAND | 10 | 01 | 1130 | S09 | W76 | 09 | 25.9 | | | AX | | 1 | | 4 |
| 10469 | | HOLL | 10 | 01 | 1426 | S07 | W76 | 09 | 26.0 | | A | HSX | 50 | 1 | 2 | 3 |
| 10469 | 31883 | MWIL | 10 | 01 | 1500 | S09 | W78 | 09 | 25.9 | 4 | (AP) | | | | | |
| 10464 | | LEAR | 09 | 20 | 0056 | N02 | E83 | 09 | 26.2 | | A | HSX | 180 | 1 | 5 | 4 |
| 10464 | | SVTO | 09 | 20 | 0925 | N03 | E80 | 09 | 26.4 | | A | HHX | 240 | 1 | 2 | 3 |
| 10464 | | TACH | 09 | 20 | 1007 | N02 | E82 | 09 | 26.5 | | | HHX | 214 | 1 | 4 | 3 |
| 10464 | | KAND | 09 | 20 | 1135 | N04 | E78 | 09 | 26.3 | | | CAO | | 5 | 3 | 4 |
| 10464 | 31876 | MWIL | 09 | 20 | 1430 | N04 | E81 | 09 | 26.6 | 4 | (B ) | | | | | |
| 10464 | | HOLL | 09 | 20 | 1520 | N05 | E81 | 09 | 26.7 | | B | EKO | 360 | 6 | 12 | 3 |
| 10464 | | VORO | 09 | 20 | 2214 | N05 | E75 | 09 | 26.5 | | | DKI | 887 | 14 | 9 | 3 |
| 10464 | | LEAR | 09 | 21 | 0000 | N01 | E74 | 09 | 26.5 | | BG | EKI | 480 | 14 | 12 | 2 |
| 10464 | | SVTO | 09 | 21 | 0617 | N04 | E72 | 09 | 26.6 | | B | EKO | 390 | 8 | 11 | 3 |
| 10464 | | KAND | 09 | 21 | 0835 | N05 | E70 | 09 | 26.6 | | | EKO | | 10 | 11 | 4 |
| 10464 | 31876 | MWIL | 09 | 21 | 1445 | N03 | E68 | 09 | 26.7 | 5 | (BG) | | | | | |
| 10464 | | HOLL | 09 | 21 | 1550 | N04 | E65 | 09 | 26.5 | | B | EKO | 510 | 10 | 12 | 4 |
| 10464 | | VORO | 09 | 21 | 2137 | N02 | E61 | 09 | 26.4 | | | DKI | 780 | 15 | 10 | 3 |
| 10464 | | LEAR | 09 | 22 | 0113 | N04 | E61 | 09 | 26.6 | | BG | EKO | 580 | 22 | 13 | 3 |
| 10464 | | TACH | 09 | 22 | 0520 | N03 | E58 | 09 | 26.5 | | | DAI | 544 | 14 | 10 | 4 |
| 10464 | | SVTO | 09 | 22 | 0622 | N07 | E58 | 09 | 26.6 | | BG | EKO | 540 | 11 | 14 | 3 |
| 10464 | | KAND | 09 | 22 | 0755 | N05 | E59 | 09 | 26.7 | | | EKO | | 17 | 15 | 4 |
| 10464 | 31876 | MWIL | 09 | 22 | 1430 | N04 | E54 | 09 | 26.6 | 5 | (BG) | | | | | |
| 10464 | | VORO | 09 | 22 | 2205 | N03 | E48 | 09 | 26.5 | | | DKI | 880 | 28 | 5 | 3 |
| 10464 | | LEAR | 09 | 23 | 0010 | N04 | E48 | 09 | 26.6 | | BG | EKO | 630 | 41 | 14 | 4 |
| 10464 | | SVTO | 09 | 23 | 0910 | N05 | E44 | 09 | 26.7 | | B | FKI | 650 | 16 | 16 | 3 |
| 10464 | | TACH | 09 | 23 | 0939 | N01 | E40 | 09 | 26.4 | | | DAI | 763 | 15 | 7 | 3 |
| 10464 | | KAND | 09 | 23 | 1045 | N04 | E42 | 09 | 26.6 | | | FKO | | 23 | 16 | 3 |
| 10464 | 31876 | MWIL | 09 | 23 | 1430 | N04 | E40 | 09 | 26.6 | 6 | (BG) | | | | | |
| 10464 | | HOLL | 09 | 23 | 1704 | N04 | E38 | 09 | 26.5 | | BG | EKC | 460 | 29 | 12 | 2 |
| 10464 | | VORO | 09 | 23 | 2156 | N05 | E35 | 09 | 26.5 | | | DKI | 830 | 17 | 11 | 3 |
| 10464 | | LEAR | 09 | 24 | 0037 | N05 | E34 | 09 | 26.6 | | BG | FKI | 560 | 43 | 16 | 2 |
| 10464 | | TACH | 09 | 24 | 0543 | N03 | E32 | 09 | 26.6 | | | EAI | 538 | 23 | 16 | 3 |
| 10464 | | SVTO | 09 | 24 | 0620 | N05 | E30 | 09 | 26.5 | | BG | FKI | 590 | 16 | 17 | 3 |
| 10464 | | KAND | 09 | 24 | 0705 | N04 | E30 | 09 | 26.5 | | | FKO | | 31 | 18 | 4 |
| 10464 | 31876 | MWIL | 09 | 24 | 1445 | N04 | E25 | 09 | 26.5 | 5 | (BG) | | | | | |
| 10464 | | HOLL | 09 | 24 | 1509 | N03 | E26 | 09 | 26.6 | | BG | FKC | 550 | 50 | 16 | 4 |
| 10464 | | VORO | 09 | 24 | 2255 | N05 | E19 | 09 | 26.4 | | | EKI | 904 | 54 | 14 | 3 |
| 10464 | | LEAR | 09 | 25 | 0107 | N03 | E18 | 09 | 26.4 | | BG | FKI | 540 | 57 | 16 | 2 |
| 10464 | | TACH | 09 | 25 | 0523 | N01 | E15 | 09 | 26.3 | | | EAI | 335 | 30 | 15 | 4 |
| 10464 | | KAND | 09 | 25 | 0835 | N04 | E15 | 09 | 26.5 | | | FAC | | 45 | 18 | 4 |
| 10464 | | SVTO | 09 | 25 | 0953 | N04 | E13 | 09 | 26.4 | | B | FAI | 520 | 45 | 19 | 3 |
| 10464 | 31876 | MWIL | 09 | 25 | 1445 | N02 | E12 | 09 | 26.5 | 5 | (BG) | | | | | |
| 10464 | | LEAR | 09 | 26 | 0038 | N03 | E07 | 09 | 26.5 | | BG | FKI | 630 | 70 | 18 | 2 |
| 10464 | | KAND | 09 | 26 | 0630 | N03 | E02 | 09 | 26.4 | | | FKC | | 28 | 20 | 4 |
| 10464 | | TACH | 09 | 26 | 0852 | N03 | W01 | 09 | 26.3 | | | FAI | 356 | 48 | 15 | 4 |
| 10464 | | SVTO | 09 | 26 | 1103 | N04 | W01 | 09 | 26.4 | | BG | FAI | 510 | 44 | 19 | 3 |
| 10464 | 31876 | MWIL | 09 | 26 | 1430 | N03 | W02 | 09 | 26.4 | 5 | (BG) | | | | | |
| 10464 | | HOLL | 09 | 26 | 1451 | N04 | W02 | 09 | 26.5 | | BG | FKC | 680 | 61 | 18 | 4 |
| 10464 | | VORO | 09 | 26 | 2346 | N05 | W09 | 09 | 26.3 | | | FAI | 789 | 33 | 16 | 3 |
| 10464 | | LEAR | 09 | 27 | 0047 | N04 | W07 | 09 | 26.5 | | BG | FSI | 640 | 57 | 20 | 4 |
| 10464 | | TACH | 09 | 27 | 0559 | N01 | W11 | 09 | 26.4 | | | FAI | 478 | 42 | 18 | 3 |
| 10464 | | SVTO | 09 | 27 | 0630 | N05 | W13 | 09 | 26.3 | | BG | FSI | 530 | 41 | 20 | 3 |
| 10464 | 31876 | MWIL | 09 | 27 | 1500 | N03 | W17 | 09 | 26.3 | 5 | (BG) | | | | | |
| 10464 | | HOLL | 09 | 27 | 1550 | N05 | W17 | 09 | 26.4 | | BG | FKI | 550 | 64 | 20 | 3 |
| 10464 | | LEAR | 09 | 28 | 0155 | N04 | W21 | 09 | 26.5 | | BG | FKI | 700 | 48 | 18 | 2 |
| 10464 | | TACH | 09 | 28 | 0609 | N02 | W25 | 09 | 26.4 | | | EAI | 537 | 36 | 15 | 4 |
| 10464 | 31876 | MWIL | 09 | 28 | 1430 | N03 | W29 | 09 | 26.4 | 5 | (BG) | | | | | |
| 10464 | | HOLL | 09 | 28 | 1434 | N03 | W30 | 09 | 26.4 | | BG | FKC | 460 | 58 | 20 | 4 |
| 10464 | | VORO | 09 | 28 | 2214 | N05 | W34 | 09 | 26.4 | | | FKI | 940 | 33 | 16 | 4 |
| 10464 | | LEAR | 09 | 29 | 0205 | N04 | W36 | 09 | 26.4 | | BG | FKI | 620 | 56 | 20 | 2 |
| 10464 | | TACH | 09 | 29 | 0600 | N02 | W37 | 09 | 26.5 | | | EAI | 510 | 22 | 13 | 4 |
| 10464 | | KAND | 09 | 29 | 0615 | N05 | W38 | 09 | 26.4 | | | FKO | | 30 | 20 | 4 |

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

## SEPTEMBER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10464 | 31876 | MWIL | 09 | 29 | 1430 | N04 | W42 | 09 | 26.5 | 5 | (BG) | | | | | |
| 10464 | | HOLL | 09 | 29 | 1500 | N03 | W44 | 09 | 26.3 | | BG | FKC | 470 | 34 | 18 | 3 |
| 10464 | | VORO | 09 | 29 | 2211 | N04 | W48 | 09 | 26.3 | | | FAI | 796 | 27 | 17 | 4 |
| 10464 | | LEAR | 09 | 30 | 0122 | N05 | W49 | 09 | 26.4 | | BG | FKI | 660 | 40 | 20 | 2 |
| 10464 | | TACH | 09 | 30 | 0533 | N05 | W52 | 09 | 26.3 | | | FAI | 913 | 17 | 17 | 4 |
| 10464 | | HOLL | 09 | 30 | 1434 | N03 | W58 | 09 | 26.3 | | BG | FKC | 430 | 31 | 18 | 4 |
| 10464 | 31876 | MWIL | 09 | 30 | 1445 | N04 | W55 | 09 | 26.5 | 6 | (BG) | | | | | |
| 10464 | | LEAR | 10 | 01 | 0010 | N05 | W60 | 09 | 26.6 | | BG | FKI | 610 | 17 | 20 | 3 |
| 10464 | | VORO | 10 | 01 | 0320 | N04 | W64 | 09 | 26.4 | | | FAI | 681 | 20 | 17 | 4 |
| 10464 | | TACH | 10 | 01 | 0608 | N05 | W63 | 09 | 26.6 | | | EAI | 234 | 6 | 15 | 3 |
| 10464 | | SVTO | 10 | 01 | 0817 | N05 | W66 | 09 | 26.5 | | B | FHI | 440 | 12 | 24 | 3 |
| 10464 | | KAND | 10 | 01 | 1130 | N05 | W70 | 09 | 26.3 | | | FSO | | 9 | 22 | 4 |
| 10464 | | HOLL | 10 | 01 | 1426 | N05 | W68 | 09 | 26.6 | | BG | FKI | 380 | 18 | 18 | 3 |
| 10464 | 31876 | MWIL | 10 | 01 | 1500 | N05 | W67 | 09 | 26.7 | 5 | (BG) | | | | | |
| 10464 | | VORO | 10 | 01 | 2314 | N04 | W74 | 09 | 26.5 | | | FAI | 521 | 5 | 15 | 4 |
| 10464 | | LEAR | 10 | 02 | 0032 | N06 | W72 | 09 | 26.7 | | BG | FSO | 310 | 6 | 19 | 2 |
| 10464 | | TACH | 10 | 02 | 0527 | N06 | W69 | 09 | 27.2 | | | HHX | 340 | 1 | 3 | 3 |
| 10464 | | KAND | 10 | 02 | 0800 | N06 | W73 | 09 | 27.0 | | | HH | | 1 | 4 | 3 |
| 10464 | | SVTO | 10 | 02 | 0803 | N05 | W71 | 09 | 27.1 | | A | HHX | 180 | 1 | 5 | 3 |
| 10464 | 31876 | MWIL | 10 | 02 | 1515 | N05 | W76 | 09 | 27.0 | 5 | (AF) | | | | | |
| 10464 | | HOLL | 10 | 02 | 2035 | N08 | W80 | 09 | 26.9 | | A | HKX | 90 | 1 | 3 | 2 |
| 10464 | | VORO | 10 | 02 | 2232 | N05 | W77 | 09 | 27.3 | | | HKX | 367 | 1 | | 3 |
| 10464 | | LEAR | 10 | 03 | 0211 | N06 | W80 | 09 | 27.2 | | A | HSX | 170 | 1 | 2 | 2 |
| 10464 | | KAND | 10 | 03 | 1055 | N07 | W87 | 09 | 27.0 | | | HA | | 1 | 2 | 4 |
| 10465 | | KAND | 09 | 21 | 0835 | S01 | E71 | 09 | 26.7 | | | BXO | | 3 | 5 | 4 |
| 10465 | 31877 | MWIL | 09 | 21 | 1445 | S03 | E68 | 09 | 26.7 | 4 | (B ) | | | | | |
| 10465 | | HOLL | 09 | 21 | 1550 | S02 | E65 | 09 | 26.5 | | B | CAO | 40 | 5 | 5 | 4 |
| 10465 | | LEAR | 09 | 22 | 0113 | S02 | E61 | 09 | 26.6 | | B | CAO | 60 | 7 | 4 | 3 |
| 10465 | | SVTO | 09 | 22 | 0622 | S01 | E59 | 09 | 26.7 | | A | AXX | 20 | 2 | 2 | 3 |
| 10465 | | KAND | 09 | 22 | 0755 | S01 | E60 | 09 | 26.8 | | | BXO | | 7 | 6 | 4 |
| 10465 | 31877 | MWIL | 09 | 22 | 1430 | S01 | E55 | 09 | 26.7 | 4 | (B ) | | | | | |
| 10465 | | LEAR | 09 | 23 | 0010 | S02 | E49 | 09 | 26.7 | | B | CRO | 50 | 12 | 5 | 4 |
| 10465 | | SVTO | 09 | 23 | 0910 | N02 | E45 | 09 | 26.7 | | B | DSO | 30 | 3 | 5 | 3 |
| 10465 | | KAND | 09 | 23 | 1045 | S01 | E42 | 09 | 26.6 | | | BXO | | 5 | 4 | 3 |
| 10465 | 31877 | MWIL | 09 | 23 | 1430 | S02 | E40 | 09 | 26.6 | 4 | (BG) | | | | | |
| 10465 | | HOLL | 09 | 23 | 1704 | S01 | E38 | 09 | 26.5 | | A | HSX | 20 | 2 | 2 | 2 |
| 10465 | | LEAR | 09 | 24 | 0037 | S02 | E34 | 09 | 26.6 | | B | CSO | 40 | 11 | 4 | 2 |
| 10465 | | SVTO | 09 | 24 | 0620 | S01 | E33 | 09 | 26.7 | | B | CRO | 10 | 2 | 1 | 3 |
| 10465 | | KAND | 09 | 24 | 0705 | S02 | E32 | 09 | 26.7 | | | BXO | | 3 | 1 | 4 |
| 10465 | 31877 | MWIL | 09 | 24 | 1445 | S01 | E26 | 09 | 26.5 | 5 | (BG) | | | | | |
| 10465 | | HOLL | 09 | 24 | 1509 | S02 | E25 | 09 | 26.5 | | B | CSO | 30 | 4 | 3 | 4 |
| 10465 | | LEAR | 09 | 25 | 0107 | S01 | E20 | 09 | 26.5 | | B | DSO | 30 | 16 | 4 | 2 |
| 10465 | | KAND | 09 | 25 | 0835 | S01 | E18 | 09 | 26.7 | | | BXO | | 6 | 3 | 4 |
| 10465 | | SVTO | 09 | 25 | 0953 | S01 | E17 | 09 | 26.7 | | B | CRO | 20 | 4 | 4 | 3 |
| 10465 | 31877 | MWIL | 09 | 25 | 1445 | S03 | E13 | 09 | 26.6 | 3 | (AF) | | | | | |
| 10465 | | LEAR | 09 | 26 | 0038 | S01 | E09 | 09 | 26.7 | | A | HSX | 10 | 1 | 1 | 2 |
| 10465 | | KAND | 09 | 26 | 0630 | S01 | E07 | 09 | 26.8 | | | AX | | 2 | 1 | 4 |
| 10465 | | SVTO | 09 | 26 | 1103 | S01 | E04 | 09 | 26.7 | | A | AXX | 10 | 3 | 2 | 3 |
| 10465 | | HOLL | 09 | 26 | 1451 | S01 | E02 | 09 | 26.8 | | B | BXO | 10 | 7 | 2 | 4 |
| 10465 | | LEAR | 09 | 27 | 0047 | S02 | W05 | 09 | 26.6 | | B | BXO | 10 | 3 | 4 | 4 |
| 10465 | | SVTO | 09 | 27 | 0630 | N00 | W13 | 09 | 26.3 | | B | CRO | 10 | 2 | 2 | 3 |
| 10465 | | LEAR | 09 | 28 | 0155 | S02 | W19 | 09 | 26.7 | | B | BXO | 10 | 2 | 3 | 2 |
| 10465 | | HOLL | 09 | 28 | 1434 | S02 | W27 | 09 | 26.6 | | B | BXO | 10 | 3 | 6 | 4 |
| 10465 | | KAND | 09 | 29 | 0615 | N02 | W35 | 09 | 26.6 | | | BXO | | 4 | 7 | 4 |
| 10467 | | LEAR | 09 | 23 | 0010 | S11 | E59 | 09 | 27.4 | | A | HRX | 10 | 1 | | 4 |
| 10467 | | TACH | 09 | 23 | 0939 | S12 | E54 | 09 | 27.5 | | | BXO | 24 | 2 | 2 | 3 |
| 10467 | | KAND | 09 | 23 | 1045 | S11 | E55 | 09 | 27.6 | | | BXO | | 2 | 3 | 3 |
| 10467 | 31881 | MWIL | 09 | 23 | 1430 | S11 | E52 | 09 | 27.5 | 5 | (B ) | | | | | |
| 10467 | | HOLL | 09 | 23 | 1704 | S09 | E50 | 09 | 27.5 | | B | CSO | 20 | 5 | 4 | 2 |
| 10467 | | VORO | 09 | 23 | 2156 | S10 | E47 | 09 | 27.4 | | | CRO | 44 | 2 | 4 | 3 |
| 10467 | | LEAR | 09 | 24 | 0037 | S11 | E47 | 09 | 27.6 | | B | DSO | 20 | 5 | 5 | 2 |
| 10467 | | TACH | 09 | 24 | 0543 | S11 | E42 | 09 | 27.4 | | | BRO | 22 | 3 | 5 | 3 |
| 10467 | | KAND | 09 | 24 | 0705 | S09 | E44 | 09 | 27.6 | | | BXO | | 3 | 5 | 4 |
| 10467 | 31881 | MWIL | 09 | 24 | 1445 | S11 | E38 | 09 | 27.5 | 4 | (B ) | | | | | |
| 10467 | | HOLL | 09 | 24 | 1509 | S10 | E38 | 09 | 27.5 | | B | CSO | 20 | 8 | 6 | 4 |
| 10467 | | VORO | 09 | 24 | 2255 | S10 | E32 | 09 | 27.3 | | | CAI | 33 | 5 | 5 | 3 |
| 10467 | | LEAR | 09 | 25 | 0107 | S12 | E32 | 09 | 27.4 | | B | DSO | 30 | 4 | 5 | 2 |

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

## SEPTEMBER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10467 | | TACH | 09 | 25 | 0523 | S12 | E26 | 09 | 27.2 | | | BRO | 36 | 3 | 8 | 4 |
| 10467 | | KAND | 09 | 25 | 0835 | S10 | E29 | 09 | 27.5 | | | BXO | | 4 | 6 | 4 |
| 10467 | | SVTO | 09 | 25 | 0953 | S10 | E28 | 09 | 27.5 | | B | CRO | 30 | 4 | 7 | 3 |
| 10467 | 31881 | MWIL | 09 | 25 | 1445 | S10 | E24 | 09 | 27.4 | 4 | (B ) | | | | | |
| 10467 | | LEAR | 09 | 26 | 0038 | S11 | E18 | 09 | 27.4 | | B | DSO | 10 | 5 | 5 | 2 |
| 10467 | | KAND | 09 | 26 | 0630 | S10 | E18 | 09 | 27.6 | | | BXO | | 5 | 6 | 4 |
| 10467 | | TACH | 09 | 26 | 0852 | S10 | E14 | 09 | 27.4 | | | BRI | 8 | 7 | 5 | 4 |
| 10467 | | SVTO | 09 | 26 | 1103 | S10 | E13 | 09 | 27.4 | | B | CRO | 40 | 6 | 6 | 3 |
| 10467 | 31881 | MWIL | 09 | 26 | 1430 | S10 | E11 | 09 | 27.4 | 4 | (B ) | | | | | |
| 10467 | | HOLL | 09 | 26 | 1451 | S10 | E11 | 09 | 27.4 | | B | CSO | 20 | 8 | 5 | 4 |
| 10467 | | LEAR | 09 | 27 | 0047 | S10 | E05 | 09 | 27.4 | | B | DSO | 40 | 6 | 6 | 4 |
| 10467 | | TACH | 09 | 27 | 0559 | S10 | E04 | 09 | 27.5 | | | BRO | 22 | 5 | 3 | 3 |
| 10467 | | SVTO | 09 | 27 | 0630 | S10 | E04 | 09 | 27.6 | | B | CRO | 20 | 4 | 5 | 3 |
| 10467 | 31881 | MWIL | 09 | 27 | 1500 | S10 | W02 | 09 | 27.5 | 5 | (B ) | | | | | |
| 10467 | | HOLL | 09 | 27 | 1550 | S11 | W03 | 09 | 27.4 | | B | DAO | 20 | 7 | 6 | 3 |
| 10467 | | LEAR | 09 | 28 | 0155 | S10 | W08 | 09 | 27.5 | | B | CSO | 20 | 3 | 4 | 2 |
| 10467 | | TACH | 09 | 28 | 0609 | S10 | W10 | 09 | 27.5 | | | BRO | 5 | 3 | 3 | 4 |
| 10467 | 31881 | MWIL | 09 | 28 | 1430 | S10 | W15 | 09 | 27.5 | 4 | (B ) | | | | | |
| 10467 | | HOLL | 09 | 28 | 1434 | S11 | W15 | 09 | 27.5 | | B | CSO | 20 | 3 | 5 | 4 |
| 10467 | | VORO | 09 | 28 | 2214 | S11 | W18 | 09 | 27.6 | | | HRX | 7 | 1 | | 4 |
| 10467 | | LEAR | 09 | 29 | 0205 | S10 | W22 | 09 | 27.4 | | B | DSO | 20 | 4 | 3 | 2 |
| 10467 | | TACH | 09 | 29 | 0600 | S13 | W21 | 09 | 27.7 | | | BXO | 6 | 2 | 1 | 4 |
| 10467 | | KAND | 09 | 29 | 0615 | S11 | W23 | 09 | 27.5 | | | BXO | | 2 | | 4 |
| 10467 | 31881 | MWIL | 09 | 29 | 1430 | S10 | W28 | 09 | 27.5 | 4 | (BF) | | | | | |
| 10467 | | HOLL | 09 | 29 | 1500 | S11 | W27 | 09 | 27.6 | | A | HSX | 10 | 1 | 1 | 3 |
| 10467 | | LEAR | 09 | 30 | 0122 | S15 | W35 | 09 | 27.4 | | B | DAO | 70 | 5 | 3 | 2 |
| 10466 | | LEAR | 09 | 22 | 0113 | S05 | E85 | 09 | 28.4 | | A | HSX | 30 | 1 | 1 | 3 |
| 10466 | | TACH | 09 | 22 | 0520 | S06 | E82 | 09 | 28.3 | | | HSX | 113 | 1 | 2 | 4 |
| 10466 | | SVTO | 09 | 22 | 0622 | S03 | E80 | 09 | 28.2 | | A | HSX | 30 | 1 | 1 | 3 |
| 10466 | | KAND | 09 | 22 | 0755 | S05 | E83 | 09 | 28.5 | | | DAO | | 2 | 6 | 4 |
| 10466 | 31878 | MWIL | 09 | 22 | 1430 | S06 | E78 | 09 | 28.4 | 5 | (B ) | | | | | |
| 10466 | | VORO | 09 | 22 | 2205 | S05 | E72 | 09 | 28.3 | | | HAX | 167 | 3 | 4 | 3 |
| 10466 | | LEAR | 09 | 23 | 0010 | S07 | E72 | 09 | 28.4 | | B | DAO | 150 | 9 | 7 | 4 |
| 10466 | | SVTO | 09 | 23 | 0910 | S03 | E69 | 09 | 28.5 | | B | DSO | 100 | 4 | 5 | 3 |
| 10466 | | TACH | 09 | 23 | 0939 | S09 | E69 | 09 | 28.6 | | | CSO | 123 | 4 | 2 | 3 |
| 10466 | | KAND | 09 | 23 | 1045 | S06 | E67 | 09 | 28.5 | | | DAO | | 7 | 6 | 3 |
| 10466 | 31878 | MWIL | 09 | 23 | 1430 | S06 | E65 | 09 | 28.5 | 4 | (B ) | | | | | |
| 10466 | | HOLL | 09 | 23 | 1704 | S05 | E62 | 09 | 28.3 | | B | CAO | 50 | 9 | 4 | 2 |
| 10466 | | VORO | 09 | 23 | 2156 | S05 | E57 | 09 | 28.2 | | | HKX | 354 | 4 | | 3 |
| 10466 | | LEAR | 09 | 24 | 0037 | S07 | E57 | 09 | 28.3 | | B | DAO | 100 | 18 | 5 | 2 |
| 10466 | | TACH | 09 | 24 | 0543 | S06 | E55 | 09 | 28.3 | | | CSO | 94 | 5 | 5 | 3 |
| 10466 | | SVTO | 09 | 24 | 0620 | S05 | E56 | 09 | 28.4 | | B | CSO | 90 | 4 | 5 | 3 |
| 10466 | | KAND | 09 | 24 | 0705 | S05 | E55 | 09 | 28.4 | | | CAO | | 7 | 6 | 4 |
| 10466 | 31878 | MWIL | 09 | 24 | 1445 | S06 | E51 | 09 | 28.4 | 5 | (B ) | | | | | |
| 10466 | | HOLL | 09 | 24 | 1509 | S06 | E51 | 09 | 28.4 | | B | DSO | 80 | 10 | 7 | 4 |
| 10466 | | VORO | 09 | 24 | 2255 | S06 | E45 | 09 | 28.3 | | | CAO | 121 | 12 | 4 | 3 |
| 10466 | | LEAR | 09 | 25 | 0107 | S07 | E43 | 09 | 28.3 | | B | DAO | 100 | 7 | 5 | 2 |
| 10466 | | TACH | 09 | 25 | 0523 | S07 | E41 | 09 | 28.3 | | | CSO | 49 | 3 | 4 | 4 |
| 10466 | | KAND | 09 | 25 | 0835 | S05 | E42 | 09 | 28.5 | | | CSO | | 7 | 6 | 4 |
| 10466 | | SVTO | 09 | 25 | 0953 | S05 | E41 | 09 | 28.5 | | B | CSO | 100 | 7 | 7 | 3 |
| 10466 | 31878 | MWIL | 09 | 25 | 1445 | S06 | E36 | 09 | 28.3 | 5 | (BP) | | | | | |
| 10466 | | LEAR | 09 | 26 | 0038 | S06 | E31 | 09 | 28.3 | | B | DAO | 70 | 8 | 4 | 2 |
| 10466 | | KAND | 09 | 26 | 0630 | S05 | E30 | 09 | 28.5 | | | CSO | | 6 | 6 | 4 |
| 10466 | | TACH | 09 | 26 | 0852 | S06 | E27 | 09 | 28.4 | | | CSI | 58 | 3 | 4 | 4 |
| 10466 | | SVTO | 09 | 26 | 1103 | S07 | E26 | 09 | 28.4 | | B | CSO | 40 | 7 | 7 | 3 |
| 10466 | 31878 | MWIL | 09 | 26 | 1430 | S06 | E23 | 09 | 28.3 | 5 | (BP) | | | | | |
| 10466 | | HOLL | 09 | 26 | 1451 | S07 | E23 | 09 | 28.3 | | B | CSO | 70 | 3 | 3 | 4 |
| 10466 | | VORO | 09 | 26 | 2346 | S05 | E17 | 09 | 28.3 | | | HAX | 85 | 4 | | 3 |
| 10466 | | LEAR | 09 | 27 | 0047 | S06 | E18 | 09 | 28.4 | | B | CSO | 80 | 8 | 5 | 4 |
| 10466 | | TACH | 09 | 27 | 0559 | S04 | E14 | 09 | 28.3 | | | CAI | 65 | 5 | 1 | 3 |
| 10466 | | SVTO | 09 | 27 | 0630 | S04 | E14 | 09 | 28.3 | | B | CSO | 50 | 3 | 4 | 3 |
| 10466 | 31878 | MWIL | 09 | 27 | 1500 | S05 | E08 | 09 | 28.2 | 4 | (BP) | | | | | |
| 10466 | | HOLL | 09 | 27 | 1550 | S06 | E07 | 09 | 28.2 | | B | CAO | 70 | 9 | 5 | 3 |
| 10466 | | LEAR | 09 | 28 | 0155 | S04 | E02 | 09 | 28.2 | | B | DSO | 90 | 6 | 3 | 2 |
| 10466 | | TACH | 09 | 28 | 0609 | S04 | E01 | 09 | 28.3 | | | CAI | 49 | 4 | 2 | 4 |
| 10466 | 31878 | MWIL | 09 | 28 | 1430 | S04 | W05 | 09 | 28.2 | 5 | (BG) | | | | | |
| 10466 | | HOLL | 09 | 28 | 1434 | S05 | W04 | 09 | 28.3 | | B | DSO | 80 | 10 | 7 | 4 |
| 10466 | | VORO | 09 | 28 | 2214 | S05 | W09 | 09 | 28.2 | | | HAX | 61 | 4 | | 4 |

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

## SEPTEMBER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10466 | | LEAR | 09 | 29 | 0205 | S05 | W12 | 09 | 28.2 | | B | DAO | 60 | 4 | 3 | 2 |
| 10466 | | TACH | 09 | 29 | 0600 | S04 | W13 | 09 | 28.3 | | | BRI | 26 | 7 | 3 | 4 |
| 10466 | | KAND | 09 | 29 | 0615 | S06 | W15 | 09 | 28.1 | | | CSO | | 3 | 4 | 4 |
| 10466 | 31878 | MWIL | 09 | 29 | 1430 | S05 | W18 | 09 | 28.2 | 5 | (BG) | | | | | |
| 10466 | | HOLL | 09 | 29 | 1500 | S05 | W18 | 09 | 28.3 | | B | DSO | 40 | 5 | 4 | 3 |
| 10466 | | VORO | 09 | 29 | 2211 | S05 | W23 | 09 | 28.2 | | | HAX | 40 | 3 | | 4 |
| 10466 | | TACH | 09 | 30 | 0533 | S05 | W27 | 09 | 28.2 | | | HA | 52 | 2 | 2 | 4 |
| 10466 | | HOLL | 09 | 30 | 1434 | S05 | W31 | 09 | 28.3 | | B | CSO | 30 | 6 | 6 | 4 |
| 10466 | 31878 | MWIL | 09 | 30 | 1445 | S05 | W32 | 09 | 28.2 | 5 | (BP) | | | | | |
| 10466 | | LEAR | 10 | 01 | 0010 | S05 | W38 | 09 | 28.3 | | B | DSO | 30 | 3 | 3 | 3 |
| 10466 | | VORO | 10 | 01 | 0320 | S06 | W39 | 09 | 28.3 | | | HAX | 51 | 2 | | 4 |
| 10466 | | TACH | 10 | 01 | 0608 | S05 | W39 | 09 | 28.4 | | | CSO | 33 | 2 | 3 | 3 |
| 10466 | | SVTO | 10 | 01 | 0817 | S05 | W42 | 09 | 28.3 | | B | CSO | 30 | 2 | 4 | 3 |
| 10466 | | KAND | 10 | 01 | 1130 | S04 | W45 | 09 | 28.2 | | | CSO | | 2 | 2 | 4 |
| 10466 | | HOLL | 10 | 01 | 1426 | S03 | W45 | 09 | 28.3 | | B | CSO | 30 | 5 | 4 | 3 |
| 10466 | 31878 | MWIL | 10 | 01 | 1500 | S06 | W46 | 09 | 28.3 | 5 | (BP) | | | | | |
| 10466 | | VORO | 10 | 01 | 2314 | S06 | W50 | 09 | 28.3 | | | HAX | 36 | 1 | | 4 |
| 10466 | | LEAR | 10 | 02 | 0032 | S05 | W51 | 09 | 28.3 | | A | HSX | 30 | 1 | 1 | 2 |
| 10466 | | TACH | 10 | 02 | 0527 | S05 | W53 | 09 | 28.4 | | | AR | 22 | 2 | 1 | 3 |
| 10466 | | KAND | 10 | 02 | 0800 | S06 | W56 | 09 | 28.2 | | | HS | | 1 | 1 | 3 |
| 10466 | | SVTO | 10 | 02 | 0803 | S05 | W56 | 09 | 28.2 | | A | HSX | 20 | 1 | 1 | 3 |
| 10466 | 31878 | MWIL | 10 | 02 | 1515 | S06 | W59 | 09 | 28.3 | 5 | (AP) | | | | | |
| 10466 | | HOLL | 10 | 02 | 2035 | S05 | W65 | 09 | 28.1 | | A | AXX | 10 | 1 | 1 | 2 |
| 10466 | | VORO | 10 | 02 | 2232 | S06 | W63 | 09 | 28.3 | | | HRX | 37 | 2 | | 3 |
| 10466 | | LEAR | 10 | 03 | 0211 | S04 | W67 | 09 | 28.2 | | B | DAO | 20 | 2 | 3 | 2 |
| 10466 | | SVTO | 10 | 03 | 1045 | S07 | W71 | 09 | 28.2 | | A | AXX | | 1 | | 2 |
| 10466 | | KAND | 10 | 03 | 1055 | S06 | W72 | 09 | 28.2 | | | AX | | 2 | 2 | 4 |
| 10466 | 31878 | MWIL | 10 | 03 | 1445 | S06 | W73 | 09 | 28.2 | 4 | (AP) | | | | | |
| 10466 | | HOLL | 10 | 03 | 1810 | S07 | W76 | 09 | 28.2 | | A | AXX | 10 | 1 | 1 | 3 |
| 10467A | | LEAR | 10 | 01 | 0010 | N27 | W15 | 09 | 29.9 | | B | DSO | 10 | 2 | 4 | 3 |
| 10467A | | HOLL | 10 | 01 | 1426 | N23 | W25 | 09 | 29.8 | | A | AXX | | 1 | 1 | 3 |

Stations reporting:

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