

H - ALPHA SOLAR FLARES

JUNE 1984

| Grp # | Sta | Day | Start (UT) | Max (UT) | End (UT) | Lat | CMD | NOAA/ USAF Region | CMP Mo | Day | Dur (Min) | Imp Opt | Xray | Obs See | Type | Time (UT) | Area Measurement | | Remarks |
|-------|------|-------|------------|----------|----------|-----|-----------------|-------------------------|-----------|-----|--------------|------------|-------|------------|------|--------------|-------------------------------------|------------------|---------|
| | | | | | | | | | | | | | | | | | Apparent (10 ⁻⁶ Disk) | Corr (Sq Deg) | |
| 0001 | 01 | 03584 | 04025 | 0411 | S11 | W00 | 4500 | 06 | 1.2 | 13 | SF | | | | | | 50 | .6 | D |
| | PEKG | 01 | 0358 | 0402 | 0417 | S10 | E00 | 4500 | 06 | 1.2 | 19 | SN | | | | 0402 | 42 | .4 | D |
| | LEAR | 01 | 0402 | 0402 | 0405 | S11 | W00 | 4500 | 06 | 1.2 | 3 | SF | | 3 | C | | 21 | | |
| | ABST | 01 | 0404E | 0407 | 0439D | S11 | W01 | 4500 | 06 | 1.1 | 35D | SF | | | P | 0407 | 87 | .9 | D |
| 0002 | 01 | 06451 | 06473 | 0712 | N22 | E11 | 4500A | 06 | 2.1 | 27 | SN | | | | | | 41 | | FG |
| | LEAR | 01 | 0645 | 0647 | 0713 | N22 | E12 | 4500A | 06 | 2.2 | 28 | SF | | 3 | C | | 41 | | F |
| | KANZ | 01 | 0646 | 0650 | 0710 | N21 | E10 | 4500A | 06 | 2.0 | 24 | SN | | 2 | | | | | G |
| 0003 | 01 | 1001 | 1025* | 1142 | N22 | E08 | 4500A | 06 | 2.0 | 101 | 1N | C 3.6 | | | | | 286 | 3.3 | EF |
| | HTPR | 01 | 1001 | 1025 | 1120 | N23 | E09 | 4500A | 06 | 2.1 | 79 | 1N | | | C | 1025 | 300 | 3.3 | E |
| | KHAR | 01 | 1015E | 1045 | 1150D | N21 | E08 | 4500A | 06 | 2.0 | 95D | 1N | | | P | 1045 | | | E |
| | RAMY | 01 | 1039E | | 1203 | N21 | E08 | 4500A | 06 | 2.0 | 84D | 1N | C 3.6 | 3 | C | | 272 | | F |
| 0004 | 01 | 1206 | 12061 | 1212 | S11 | W04 | 4500 | 06 | 1.2 | 6 | SF | | | | | | 50 | .7 | EF |
| | RAMY | 01 | 1206 | 1206 | 1212 | S12 | W03 | 4500 | 06 | 1.3 | 6 | SF | | 3 | C | | 40 | | F |
| | HTPR | 01 | 1206 | 1207 | 1212 | S10 | W05 | 4500 | 06 | 1.1 | 6 | SF | | | C | 1207 | 60 | .7 | E |
| 0005 | HOLL | 01 | 1358 | 1358 | 1402 | S11 | W05 | 4500 | 06 | 1.2 | 4 | SF | | 3 | C | | 24 | | |
| 0006 | HOLL | 01 | 1419 | 1420 | 1439 | S10 | E00 | 4500 | 06 | 1.6 | 20 | SF | | 3 | C | | 38 | | |
| 0007 | HOLL | 01 | 1626 | 1626 | 1640 | S15 | W05 | 4500 | 06 | 1.3 | 14 | SF | | 3 | C | | 27 | | |
| 0008 | PALE | 01 | 1753 | 1753 | 1800 | S09 | W06 | 4500 | 06 | 1.3 | 7 | SF | | 3 | C | | 42 | | F |
| 0009 | 01 | 18276 | 1834 | 1841 | S09 | W08 | 4500 | 06 | 1.2 | 14 | SF | | | | | | 84 | | FH |
| | HOLL | 01 | 1827 | 1834 | 1842 | S09 | W08 | 4500 | 06 | 1.2 | 15 | SF | | 3 | C | | 109 | | FH |
| | PALE | 01 | 1833 | 1834 | 1840 | S09 | W07 | 4500 | 06 | 1.2 | 7 | SF | | 3 | C | | 58 | | FH |
| 0010 | PALE | 01 | 2108 | 2108 | 2115 | S12 | E01 | 4500 | 06 | 1.9 | 7 | SF | | 3 | C | | 35 | | F |
| 0011 | 01 | 2303 | 2306 | 2314 | S09 | W10 | 4500 | 06 | 1.2 | 11 | SF | C 4.9 | | | | | 68 | .8 | F |
| | CULG | 01 | 2303 | 2306 | 2312 | S10 | W10 | 4500 | 06 | 1.2 | 9 | SN | | | C | 2306 | 80 | .8 | |
| | PALE | 01 | 2303 | 2306 | 2316 | S10 | W09 | 4500 | 06 | 1.3 | 13 | SF | C 4.9 | 3 | C | | 62 | | F |
| | HOLL | 01 | 2311E | 2311U | 2317D | S08 | W10 | 4500 | 06 | 1.2 | 6D | SF | C 4.9 | 3 | C | | 62 | | |
| 0012 | 02 | 03232 | 03241 | 0328 | S11 | W09 | 4500 | 06 | 1.5 | 5 | SF | | | | | | 39 | .3 | |
| | CULG | 02 | 0323 | 0324 | 0326 | S11 | W09 | 4500 | 06 | 1.5 | 3 | SF | | | C | 0324 | 30 | .3 | |
| | LEAR | 02 | 0324 | 0324 | 0328 | S11 | W10 | 4500 | 06 | 1.4 | 4 | SF | | 3 | C | | 45 | | |
| | PALE | 02 | 0325 | 0325 | 0329 | S12 | W08 | 4500 | 06 | 1.5 | 4 | SF | | 3 | C | | 41 | | |
| 0013 | 02 | 1254 | 1301* | 1316 | S10 | W18 | 4500 | 06 | 1.2 | 22 | SN | | | | | | 143 | 1.5 | E |
| | KANZ | 02 | 1254 | 1301 | 1317 | S10 | W18 | 4500 | 06 | 1.2 | 23 | SN | | 2 | | | | | E |
| | ATHN | 02 | 1308E | 1311 | 1315 | S10 | W18 | 4500 | 06 | 1.2 | 7D | SN | | 4 | V | 1311 | 143 | 1.5 | |
| | 02 | 1401 | | 1403 | | | | No Flare Patrol | | | | | | | | | | | |
| 02 | 1530 | | 1533 | | | | No Flare Patrol | | | | | | | | | | | | |
| 02 | 1718 | | 1829 | | | | No Flare Patrol | | | | | | | | | | | | |
| 0014 | HOLL | 02 | 1743 | 1743 | 1749 | S15 | W18 | 4500 | 06 | 1.4 | 6 | SF | | 3 | C | | 31 | | |
| | 02 | 1840 | | 1853 | | | | No Flare Patrol | | | | | | | | | | | |
| | 02 | 2051 | | 2124 | | | | No Flare Patrol | | | | | | | | | | | |
| | 02 | 2138 | | 2203 | | | | No Flare Patrol | | | | | | | | | | | |
| 0015 | 03 | 0146 | 0149* | 0236 | S10 | W25 | 4500 | 06 | 1.2 | 50 | 1B | C 2.6 | | | | | 282 | 3.0 | EF |
| | YUNN | 03 | 0142E | 0153 | 0204D | S10 | W25 | 4500 | 06 | 1.2 | 22D | SB | C 2.6 | | P | | 154 | 1.8 | |
| | LEAR | 03 | 0146 | 0149 | 0234 | S09 | W25 | 4500 | 06 | 1.2 | 48 | 1N | C 2.6 | 3 | C | | 299 | | F |
| | PALE | 03 | 0146 | 0149 | 0244 | S10 | W24 | 4500 | 06 | 1.3 | 58 | 1N | C 2.6 | 3 | C | | 307 | | |
| | CULG | 03 | 0146 | 0151 | 0226 | S11 | W25 | 4500 | 06 | 1.2 | 40 | 1B | | | C | 0151 | 370 | 4.0 | |
| | MANI | 03 | 0153E | 0153U | 0230D | S12 | W23 | 4500 | 06 | 1.3 | 37D | 1B | C 2.6 | | V | | 250 | 2.5 | F |
| | PURP | 03 | 0158E | 0158U | 0238 | S12 | W26 | 4500 | 06 | 1.1 | 40D | SN | C 2.6 | | C | 0158 | 151 | 1.8 | |
| | PEKG | 03 | 0200E | 0200 | 0215D | S10 | W26 | 4500 | 06 | 1.1 | 15D | 1B | C 2.6 | | P | 0200 | 441 | 5.1 | E |
| 0016 | 03 | 08214 | 08384 | 0906 | S17 | W28 | 4500 | 06 | 1.2 | 45 | SN | | | | | | 136 | 2.0 | EF |
| | KANZ | 03 | 0821 | 0841 | 0913 | S17 | W27 | 4500 | 06 | 1.3 | 52 | SN | | 2 | | | | | E |
| | LEAR | 03 | 0822 | 0842 | 0849D | S18 | W29 | 4500 | 06 | 1.1 | 27D | SF | | 3 | C | | 104 | | F |
| | YUNN | 03 | 0825 | 0838 | 0900 | S15 | W27 | 4500 | 06 | 1.3 | 35 | SN | | | C | | 169 | 2.0 | E |

H - ALPHA SOLAR FLARES

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Jun 84

JUNE 1984

| Grp # | Sta | Day | Start (UT) | Max (UT) | End (UT) | Lat | CMD | NOAA/ USAF Region | CMP Mo | Day | Dur (Min) | Imp Opt | Xray | Obs See | Type | Time (UT) | Area Measurement | | Remarks | |
|-------|------|-----|------------|----------|----------|-----|-----|-------------------------|-----------|------|--------------|------------|------|------------|------|--------------|-------------------------|----------------------|---------|------------------|
| | | | | | | | | | | | | | | | | | (10 ⁻⁶ Disk) | Apparent (Sq Deg) | | Corr (Sq Deg) |
| | | 03 | 1032 | | 1057 | | | No Flare Patrol | | | | | | | | | | | | |
| 0017 | RAMY | 03 | 1348 | 1349 | 1356 | N06 | E62 | 4508 | 06 | 8.2 | 8 | SF | | 3 | C | | | 43 | | |
| 0018 | RAMY | 03 | 1453 | 1523 | 1557 | N21 | W21 | 4500A | 06 | 2.0 | 64 | SF | | 3 | C | | | 87 | | |
| | | 03 | 1559 | | 1622 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 03 | 1634 | | 1643 | | | No Flare Patrol | | | | | | | | | | | | |
| 0019 | PALE | 03 | 1936 | 1937 | 1939 | S13 | W26 | 4500 | 06 | 1.8 | 3 | SF | | 3 | C | | | 40 | | |
| | | 03 | 2148 | | 2154 | | | No Flare Patrol | | | | | | | | | | | | |
| 0020 | YUNN | 04 | 06471 | 06492 | 0714 | S15 | W37 | 4500 | 06 | 1.5 | 27 | SN | | | | | | 49 | .7 | DFNU |
| | ABST | 04 | 0648E | 0649 | 0700D | S15 | W38 | 4500 | 06 | 1.4 | 20 | SN | | | C | | | 15 | .2 | DN |
| | LEAR | 04 | 0648 | 0650 | 0720 | S15 | W39 | 4500 | 06 | 1.3 | 32 | SF | | 3 | C | 0649 | | 87 | 1.2 | F |
| | ISTA | 04 | 0655E | | 0715 | S16 | W34 | 4500 | 06 | 1.7 | 20D | IN | | | | | | 46 | | U |
| 0021 | KHAR | 04 | 0736E | | 0742D | S14 | W45 | 4507 | 05 | 31.9 | 6D | SF | | | V | 0737 | | | | DG |
| | | 04 | 2023 | | 2028 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 04 | 2110 | | 2116 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 04 | 2126 | | 2131 | | | No Flare Patrol | | | | | | | | | | | | |
| 0022 | HOLL | 05 | 0037 | 0038 | 0048 | S10 | W45 | 4500 | 06 | 1.6 | 11 | SF | | 3 | C | | | 21 | | |
| 0023 | PURP | 05 | 01594 | 02078 | 0240 | S14 | W58 | 4507 | 05 | 31.7 | 41 | 1N C 3.4 | | | | | | 137 | 3.0 | EFGJUY |
| | CULG | 05 | 0200 | 0207 | 0235 | S16 | W57 | 4507 | 05 | 31.8 | 51 | SB C 3.4 | | | C | 0219 | | 79 | 1.6 | J |
| | URUM | 05 | 0203 | 0215 | 0228 | S12 | W59 | 4507 | 05 | 31.6 | 35 | SN | | | C | 0207 | | 110 | 1.9 | Y |
| | MITK | 05 | 0225E | | 0244 | S13 | W58 | 4507 | 05 | 31.7 | 25 | 1B | | | C | | | 189 | 3.8 | E |
| | PALE | 05 | 0227E | 0228U | 0255D | S14 | W59 | 4507 | 05 | 31.6 | 19D | 1N | | | P | 0235 | | 140 | 3.0 | UF |
| | YUNN | 05 | 0240E | 0240U | 0246 | S13 | W60 | 4507 | 05 | 31.6 | 28D | SF | | 3 | C | | | 91 | | G |
| | | | | | | | | | | | 6D | 1N C 3.4 | | | P | | | 215 | 4.6 | |
| 0024 | KHAR | 05 | 1022E | | 1030D | N01 | E36 | 4510 | 06 | 8.1 | 8D | SF | | | P | 1022 | | | | D |
| 0025 | KHAR | 05 | 1112E | | 1124D | N01 | E36 | 4510 | 06 | 8.1 | 12D | SF | | | V | 1113 | | | | D |
| | | 05 | 1401 | | 1559 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 05 | 1702 | | 1710 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 05 | 1723 | | 1735 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 05 | 1741 | | 1831 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 05 | 1835 | | 1841 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 05 | 1902 | | 1926 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 05 | 1949 | | 2157 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 05 | 2252 | | 2255 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 06 | 1401 | | 1611 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 06 | 1918 | | 1925 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 07 | 1426 | | 1432 | | | No Flare Patrol | | | | | | | | | | | | |
| 0026 | HOLL | 07 | 1439E | 1452 | 1514 | S09 | W64 | 4500 | 06 | 2.8 | 35D | SN C 4.0 | 3 | C | | | | 89 | | |
| | | 07 | 1555 | | 1602 | | | No Flare Patrol | | | | | | | | | | | | |
| 0027 | CATA | 08 | 0730 | 07373 | 0900 | S22 | W51 | | 06 | 4.4 | 90 | 1N | | | | | | 221 | 3.8 | GU |
| | YUNN | 08 | 0731E | 0737 | 0742D | S22 | W50 | | 06 | 4.5 | 90 | 1 | | 2 | C | 0740 | | 253 | 4.4 | G |
| | ISTA | 08 | 0752E | | 0835D | S21 | W52 | | 06 | 4.4 | 11D | 1F | | | P | | | 189 | 3.3 | GU |
| | | | | | | | | | 06 | 4.3 | 43D | 1B | | | | | | | | |
| 0028 | HOLL | 08 | 1320 | 1320 | 1328 | S15 | E72 | 4509 | 06 | 14.0 | 8 | SF | | 3 | C | | | 13 | | |
| | | 08 | 1401 | | 1810 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 08 | 1945 | | 1952 | | | No Flare Patrol | | | | | | | | | | | | |
| | | 08 | 2033 | | 2055 | | | No Flare Patrol | | | | | | | | | | | | |
| 0029 | HOLL | 08 | 2310 | 2311 | 2340 | N04 | W04 | 4508 | 06 | 8.7 | 30 | 1B C 4.5 | | | | | | 276 | 1.2 | EF |
| | CULG | 08 | 2310 | 2311 | 2340 | N04 | W04 | 4508 | 06 | 8.7 | 30 | 1B C 4.5 | 3 | C | | | | 432 | | FE |
| | | 08 | 2318E | 2318U | 2322D | N03 | W04 | 4508 | 06 | 8.7 | 4D | SN | | | P | 2318 | | 120 | 1.2 | F |

H - ALPHA SOLAR FLARES

JUNE 1984

| Grp # | Sta | Day | Start (UT) | Max (UT) | End (UT) | Lat | CMD | NOAA/ USAF/ Region | CMP Mo | Dur Day | Imp (Min) | Opt | Xray | Obs See | Type | Time (UT) | Area Measurement | | Remarks |
|-------|------|-----|------------|----------|----------|-----------------|-----|--------------------------|-----------|------------|--------------|-----|------|------------|------|--------------|-------------------------|------------------------------|---------|
| | | | | | | | | | | | | | | | | | (10 ⁻⁶ Disk) | Apparent Corr (Sq Deg) | |
| 0030 | ABST | 09 | 0412 | 0415 | 0436 | N12 | W90 | | 06 | 2.4 | 24 | 1N | | | C | 0415 | 87 | | AK |
| 0031 | | 09 | 0725E | 0800 | 0845D | N11 | W90 | | 06 | 2.5 | 80D | 1F | | | | | 112 | | D |
| | CATA | 09 | 0725E | 0800 | 0815D | N11 | W90 | | 06 | 2.5 | 50D | 1 | | 2 | P | 0800 | 112 | | D |
| | KHAR | 09 | 0835E | | 0845D | N11 | W90 | | 06 | 2.6 | 10D | SF | | | V | | | | D |
| 0032 | HTPR | 09 | 1009 | 1013 | 1020 | S24 | W63 | | 06 | 4.5 | 11 | SF | | | C | 1013 | 20 | .4 | |
| 0033 | | 10 | 21041 | 21041 | 2109 | S12 | E37 | 4509 | 06 | 13.7 | 5 | SN | | | | | 26 | | H |
| | PALE | 10 | 2104 | 2104 | 2106D | S13 | E34 | 4509 | 06 | 13.4 | 2D | SN | | 3 | C | | 21 | | |
| | HOLL | 10 | 2105 | 2105 | 2109 | S12 | E40 | 4509 | 06 | 13.9 | 4 | SN | | 3 | C | | 32 | | H |
| 0034 | | 10 | 21532 | 21541 | 2203 | S10 | E40 | 4509 | 06 | 13.9 | 10 | SN | | | | | 80 | 1.4 | D |
| | HOLL | 10 | 2153 | 2154 | 2206 | S13 | E39 | 4509 | 06 | 13.8 | 13 | SN | | 3 | C | | 51 | | |
| | VORO | 10 | 2155 | 2155 | 2200 | S08 | E41 | 4509 | 06 | 14.0 | 5 | SN | | | C | 2155 | 108 | 1.4 | D |
| 0035 | | 11 | 0515* | 0519* | 0544 | S12 | E35 | 4509 | 06 | 13.8 | 29 | SF | | | | | 49 | 1.1 | D |
| | ABST | 11 | 0515 | 0519 | 0549D | S11 | E35 | 4509 | 06 | 13.8 | 34D | SF | | | P | 0519 | 87 | 1.1 | D |
| | LEAR | 11 | 0517 | 0519 | 0528 | S12 | E35 | 4509 | 06 | 13.8 | 11 | SF | | 3 | C | | 36 | | D |
| | LEAR | 11 | 0544 | 0544 | 0559 | S12 | E35 | 4509 | 06 | 13.9 | 15 | SF | | 3 | C | | 23 | | |
| 0036 | | 11 | 14011 | 14022 | 1416 | S12 | E28 | 4509 | 06 | 13.7 | 15 | SN | | | | | 34 | | F |
| | HOLL | 11 | 1401 | 1402 | 1418 | S11 | E27 | 4509 | 06 | 13.6 | 17 | SN | | 3 | C | | 33 | | F |
| | RAMY | 11 | 1402 | 1404 | 1414 | S12 | E29 | 4509 | 06 | 13.8 | 12 | SF | | 3 | C | | 34 | | |
| 0037 | HOLL | 11 | 1843 | 1845 | 1856 | N00 | E68 | 4512 | 06 | 16.8 | 13 | SF | | 3 | C | | 21 | | |
| 0038 | | 11 | 19101 | 19135 | 1924 | N01 | E66 | 4512 | 06 | 16.7 | 14 | SF | | | | | 18 | | |
| | RAMY | 11 | 1910 | 1918 | 1925 | N02 | E65 | 4512 | 06 | 16.6 | 15 | SF | | 3 | C | | 22 | | |
| | HOLL | 11 | 1911 | 1913 | 1923 | N00 | E67 | 4512 | 06 | 16.8 | 12 | SF | | 3 | C | | 15 | | |
| 0039 | HOLL | 11 | 2003 | 2015 | 2021 | N00 | E67 | 4512 | 06 | 16.8 | 18 | SF | | 3 | C | | 14 | | |
| 0040 | CULG | 12 | 0319 | 0332 | 0430 | S08 | E26 | 4509 | 06 | 14.1 | 71 | SF | | | C | 0332 | 150 | 1.6 | FS |
| 0041 | | 12 | 0615 | 0625 | 0740 | S06 | E90 | 4513 | 06 | 19.0 | 85 | SN | | | | | 28 | | D |
| | CATA | 12 | 0615 | 0625 | 0625D | S03 | E90 | 4513 | 06 | 19.0 | 10D | S | | 2 | P | 0625 | 28 | | D |
| | ISTA | 12 | 0640E | | 0740 | S08 | E90 | 4513 | 06 | 19.0 | 60D | SN | | | | | | | D |
| 0042 | ISTA | 12 | 0750 | | 0805 | S08 | E90 | 4513 | 06 | 19.1 | 15 | SN | | | | | | | D |
| 0043 | RAMY | 12 | 1818 | 1821 | 1840 | S07 | E50 | 4511 | 06 | 16.5 | 22 | SN | | 3 | C | | 53 | | |
| 0044 | CULG | 12 | 2141 | 2144U | 2152 | S06 | E50 | 4511 | 06 | 16.6 | 11 | 2N | | | P | 2144 | 340 | 5.2 | F |
| 0045 | URUM | 13 | 0908 | 0918 | 0928 | S08 | E42 | 4511 | 06 | 16.5 | 20 | SF | | | C | | 16 | .2 | |
| 0046 | | 13 | 0930* | 0939* | 1006 | S08 | E42 | 4511 | 06 | 16.5 | 36 | SN | | | | | 44 | .6 | |
| | HTPR | 13 | 0930 | 0939 | 1003 | S07 | E43 | 4511 | 06 | 16.6 | 33 | SF | | | C | 0939 | 40 | .6 | |
| | URUM | 13 | 0956 | 0959 | 1008 | S08 | E41 | 4511 | 06 | 16.5 | 12 | SN | | | C | | 47 | .7 | |
| | | 13 | 1902 | | 1939 | No Flare Patrol | | | | | | | | | | | | | |
| 0047 | PALE | 14 | 0235 | 0237 | 0246 | S05 | E60 | 4513 | 06 | 18.6 | 11 | SF | | 3 | C | | 33 | | |
| 0048 | CULG | 14 | 0336E | 0336U | 0345D | S03 | E31 | 4511 | 06 | 16.5 | 9D | SN | | | P | 0336 | 160 | 1.8 | |
| 0049 | URUM | 14 | 0411 | 0416 | 0426 | S07 | E28 | 4511 | 06 | 16.3 | 15 | SN | | | C | | 31 | .4 | |
| 0050 | BUCA | 14 | 0710 | | 0730 | S11 | W14 | 4509 | 06 | 13.2 | 20 | SF | | | C | 0714 | 54 | .6 | |
| 0051 | | 14 | 0733 | 0735 | 0745 | S04 | E56 | 4513 | 06 | 18.5 | 12 | SF | | | | | 30 | .5 | DE |
| | KHAR | 14 | 0722E | | 0801D | S03 | E56 | 4513 | 06 | 18.5 | 39D | SF | | | V | 0730 | | | D |
| | HTPR | 14 | 0733 | 0735 | 0745 | S05 | E56 | 4513 | 06 | 18.5 | 12 | SF | | | C | 0735 | 30 | .5 | E |
| 0052 | | 14 | 0814 | 0826 | 0840 | S07 | E24 | 4511 | 06 | 16.1 | 26 | SN | | | | | 24 | .2 | E |
| | HTPR | 14 | 0814 | 0826 | 0837 | S06 | E25 | 4511 | 06 | 16.2 | 23 | SF | | | C | 0826 | 20 | .2 | E |
| | WEND | 14 | 0830E | | 0842 | S08 | E24 | 4511 | 06 | 16.1 | 12D | SN | | | C | 0830 | 28 | .3 | E |

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| Grp # | Sta | Day | Start (UT) | Max (UT) | End (UT) | Lat | CMD | NOAA/ USAF Region | CMP Mo | Dur Day | Imp (Min) | Opt | Xray | Obs See | Type | Time (UT) | Area Measurement | | Remarks |
|-------|------|-----|------------|----------|----------|-----------------|-----|-------------------------|-----------|------------|--------------|------|------|------------|------|--------------|-------------------------------------|------------------|---------|
| | | | | | | | | | | | | | | | | | Apparent (10 ⁻⁶ Disk) | Corr (Sq Deg) | |
| 0053 | | 14 | 0825* | 08374 | 0847 | S06 | E56 | 4513 | 06 | 18.5 | 22 | SF | | | | | 60 | 1.0 | DEH |
| | HTPR | 14 | 0825 | 0841 | 0851 | S05 | E55 | 4513 | 06 | 18.5 | 26 | SN | | | C | 0841 | 100 | 1.7 | E |
| | WEND | 14 | 0835 | 0837 | 0843 | S08 | E56 | 4513 | 06 | 18.5 | 8 | SF | | | C | 0837 | 21 | .4 | H |
| | KHAR | 14 | 0837E | | 0848D | S06 | E57 | 4513 | 06 | 18.6 | 11D | SF | | | V | 0837 | | | D |
| 0054 | HTPR | 14 | 0904 | 0905 | 0915 | S05 | E55 | 4513 | 06 | 18.5 | 11 | SN | | | C | 0905 | 60 | 1.0 | E |
| 0055 | HTPR | 14 | 0906 | 0910 | 0935 | S12 | W10 | 4509 | 06 | 13.6 | 29 | SN | | | C | 0910 | 100 | 1.0 | E |
| 0056 | | 14 | 10016 | 1004* | 1022 | S06 | E54 | 4513 | 06 | 18.4 | 21 | SN | | | | | 100 | 1.7 | E |
| | KANZ | 14 | 1001 | 1004 | 1017 | S06 | E54 | 4513 | 06 | 18.4 | 16 | SF | | 1 | | | | | |
| | HTPR | 14 | 1007 | 1021 | 1028 | S05 | E54 | 4513 | 06 | 18.5 | 21 | SN | | | C | 1021 | 100 | 1.7 | E |
| 0057 | RAMY | 14 | 1123 | 1123 | 1141 | S12 | W11 | 4509 | 06 | 13.6 | 18 | SF | | 3 | C | | 26 | | |
| 0058 | RAMY | 14 | 1127 | 1137 | 1148 | S06 | E54 | 4513 | 06 | 18.5 | 21 | SN | | 3 | C | | 18 | | |
| 0059 | | 14 | 1158 | 1204* | 1259 | S06 | E53 | 4513 | 06 | 18.5 | 61 | SN | | | | | 25 | | K |
| | RAMY | 14 | 1158 | 1204 | 1259 | S06 | E53 | 4513 | 06 | 18.5 | 61 | SF | | 4 | C | | 27 | | K |
| | RAMY | 14 | 1158 | 1244 | 1259 | S06 | E53 | 4513 | 06 | 18.5 | 61 | SN | | 4 | C | | 23 | | K |
| 0060 | RAMY | 14 | 1313 | 1325 | 1333 | S06 | E53 | 4513 | 06 | 18.5 | 20 | SF | | 4 | C | | 17 | | |
| 0061 | | 14 | 14522 | 1456 | 1518 | S12 | W13 | 4509 | 06 | 13.6 | 26 | 1B C | 1.9 | | | | 198 | 3.2 | E |
| | HTPR | 14 | 1452 | | 1510D | S12 | W13 | 4509 | 06 | 13.6 | 18D | 1N | | | C | 1458 | 320 | 3.2 | E |
| | RAMY | 14 | 1454 | 1456 | 1518 | S12 | W13 | 4509 | 06 | 13.6 | 24 | SB C | 1.9 | 4 | C | | 77 | | |
| 0062 | RAMY | 14 | 1556 | 1559 | 1617 | S06 | E52 | 4513 | 06 | 18.5 | 21 | SF | | 4 | C | | 102 | | |
| 0063 | | 14 | 1559 | 1605* | 1733 | S12 | W14 | 4509 | 06 | 13.6 | 94 | SN | | | | | 42 | | K |
| | RAMY | 14 | 1559 | 1605 | 1733 | S12 | W14 | 4509 | 06 | 13.6 | 94 | SN | | 3 | C | | 22 | | K |
| | RAMY | 14 | 1559 | 1627 | 1733 | S12 | W14 | 4509 | 06 | 13.6 | 94 | SN | | 3 | C | | 61 | | K |
| | | 14 | 1633 | | 1652 | No Flare Patrol | | | | | | | | | | | | | |
| 0064 | RAMY | 14 | 1757 | 1804 | 1813 | S12 | W15 | 4509 | 06 | 13.6 | 16 | SF | | 3 | C | | 35 | | |
| | | 14 | 1838 | | 2051 | No Flare Patrol | | | | | | | | | | | | | |
| 0065 | RAMY | 14 | 2125 | 2130 | 2139D | S06 | E50 | 4513 | 06 | 18.6 | 14D | SN | | 3 | C | | 53 | | |
| 0066 | | 15 | 0151E | 0209 | 0226 | S06 | E48 | 4513 | 06 | 18.7 | 35D | SN | | | | | 64 | | |
| | PALE | 15 | 0151E | 0206U | 0228 | S05 | E48 | 4513 | 06 | 18.7 | 37D | SN | | 3 | C | | 75 | | |
| | LEAR | 15 | 0207E | 0209 | 0225 | S06 | E48 | 4513 | 06 | 18.7 | 18D | SN | | 3 | C | | 52 | | |
| 0067 | | 15 | 0208 | 0215 | 0229 | S12 | W21 | 4509 | 06 | 13.5 | 21 | SF | | | | | 88 | | F |
| | PALE | 15 | 0204E | 0216U | 0232 | S12 | W21 | 4509 | 06 | 13.5 | 28D | SF | | 3 | C | | 96 | | |
| | LEAR | 15 | 0208 | 0215 | 0226 | S12 | W21 | 4509 | 06 | 13.5 | 18 | SF | | 3 | C | | 79 | | F |
| 0068 | PALE | 15 | 0237 | 0246 | 0304 | S06 | E45 | 4513 | 06 | 18.5 | 27 | SF | | 3 | C | | 32 | | F |
| 0069 | YUNN | 15 | 0340E | 0343U | 0349D | S06 | E47 | 4513 | 06 | 18.7 | 9D | SN | | P | 0343 | 94 | 1.4 | B | |
| 0070 | ABST | 15 | 0402 | 0415 | 0440 | S11 | W23 | 4509 | 06 | 13.4 | 38 | SF | | P | 0415 | 87 | .9 | D | |
| 0071 | ABST | 15 | 0445 | 0455 | 0515D | S04 | E47 | 4513 | 06 | 18.7 | 30D | SF | | P | 0455 | 87 | 1.3 | D | |
| 0072 | ABST | 15 | 0504 | 0505 | 0522 | S12 | W23 | 4509 | 06 | 13.5 | 18 | SN | | C | 0505 | 175 | 1.8 | D | |
| 0073 | | 15 | 0758 | 07584 | 0806 | S09 | E39 | 4513 | 06 | 18.2 | 8 | SF | | | | | 40 | .5 | |
| | HTPR | 15 | 0758 | 0758 | 0805 | S08 | E39 | 4513 | 06 | 18.2 | 7 | SF | | | C | 0758 | 40 | .5 | |
| | KANZ | 15 | 0758 | 0802 | 0806 | S10 | E39 | 4513 | 06 | 18.3 | 8 | SF | | 2 | | | | | |
| 0074 | | 15 | 08171 | 0820 | 0824 | S08 | E44 | 4513 | 06 | 18.6 | 7 | SF | | | | | 18 | | F |
| | KANZ | 15 | 0817 | 0820 | 0824D | S08 | E44 | 4513 | 06 | 18.6 | 7D | SF | | 2 | | | | | |
| | LEAR | 15 | 0818 | 0820 | 0824 | S08 | E44 | 4513 | 06 | 18.6 | 6 | SF | | 3 | C | | 18 | | F |
| 0075 | | 15 | 0850 | 08551 | 0904 | S06 | E42 | 4513 | 06 | 18.5 | 14 | SN | | | | | 21 | .3 | EF |
| | LEAR | 15 | 0850 | 0855 | 0903 | S06 | E43 | 4513 | 06 | 18.6 | 13 | SN | | 3 | C | | 22 | | FE |
| | HTPR | 15 | 0850 | 0856 | 0906 | S05 | E40 | 4513 | 06 | 18.3 | 16 | SF | | | C | 0856 | 20 | .3 | E |

H - ALPHA SOLAR FLARES

149
Jun 84

JUNE 1984

| Grp # | Sta | Day | Start (UT) | Max (UT) | End (UT) | Lat | CMD | NOAA/ USAF Region | CMP Mo | Dur Day | Imp (Min) | Opt | Xray | Obs See | Type | Time (UT) | Area Measurement | | Remarks | |
|-------|------|-----|------------|----------|----------|-----------------|-----|-------------------------|-----------|------------|--------------|-----|-------|------------|------|--------------|-------------------------------------|------------------|---------|------|
| | | | | | | | | | | | | | | | | | Apparent (10 ⁻⁶ Disk) | Corr (Sq Deg) | | |
| 0093 | LEAR | 19 | 0202 | 0205 | 0213 | S12 | W78 | 4509 | 06 | 13.2 | 11 | SF | | 3 | C | | | 13 | | |
| 0094 | KANZ | 19 | 0658 | 0658 | 0702 | S09 | W06 | 4513 | 06 | 18.8 | 4 | SF | | 1 | | | | | | |
| 0095 | RAMY | 19 | 1228 | 1232 | 1308 | S09 | W10 | 4513 | 06 | 18.8 | 40 | SF | | 3 | C | | | 56 | | F |
| 0096 | RAMY | 19 | 1407 | 1407 | 1412D | S09 | W11 | 4513 | 06 | 18.8 | 5D | SF | | 3 | C | | | 26 | | F |
| | | 19 | 1456 | | 1610 | No Flare Patrol | | | | | | | | | | | | | | |
| | | 19 | 1640 | | 1747 | No Flare Patrol | | | | | | | | | | | | | | |
| | | 19 | 1822 | | 1843 | No Flare Patrol | | | | | | | | | | | | | | |
| 0097 | HOLL | 19 | 1908 | 1915 | 1919 | S08 | W13 | 4513 | 06 | 18.8 | 11 | SF | | 2 | C | | | 21 | | |
| 0098 | HOLL | 20 | 1719 | 1725U | 1734 | S16 | E45 | 4520 | 06 | 24.1 | 15 | SF | | 3 | C | | | 20 | | |
| | | 20 | 1747 | | 1757 | No Flare Patrol | | | | | | | | | | | | | | |
| 0099 | HOLL | 20 | 1839 | 1846 | 1900 | S07 | W19 | 4519 | 06 | 19.3 | 21 | SN | | 3 | C | | | 67 | | |
| 0100 | HOLL | 20 | 2003 | 2003 | 2010 | S06 | W27 | 4513 | 06 | 18.8 | 7 | SN | | 3 | C | | | 22 | | |
| 0101 | HOLL | 20 | 2033 | 2033 | 2042 | S16 | E43 | 4520 | 06 | 24.1 | 9 | SB | | 3 | C | | | 47 | | |
| 0102 | | 20 | 2241 | 2245 | 2309 | S07 | W29 | 4513 | 06 | 18.8 | 28 | SB | | | | | | 100 | 1.8 | FKU |
| | CULG | 20 | 2241 | 2250 | 2257 | S08 | W30 | 4513 | 06 | 18.7 | 16 | SN | | | C | 2250 | | 150 | 1.8 | |
| | HOLL | 20 | 2242 | 2245 | 2315 | S06 | W28 | 4513 | 06 | 18.8 | 33 | SB | | 3 | C | | | 50 | | K |
| | HOLL | 20 | 2242 | 2249 | 2315 | S06 | W28 | 4513 | 06 | 18.8 | 33 | SB | | 3 | C | | | 101 | | UFK |
| 0103 | | 21 | 0710 | 0710 | 0720 | S08 | W36 | 4513 | 06 | 18.6 | 10 | SF | | | | | | 24 | | DFIL |
| | KHAR | 21 | 0707E | | 0720D | S08 | W37 | 4513 | 06 | 18.5 | 13D | SF | | | V | 0708 | | | | DIL |
| | LEAR | 21 | 0710 | 0710 | 0720 | S07 | W35 | 4513 | 06 | 18.7 | 10 | SF | | 3 | C | | | 24 | | F |
| 0104 | HTPR | 21 | 0731 | 0734 | 0742 | S15 | E33 | 4520 | 06 | 23.8 | 11 | SF | | | C | 0734 | | 10 | .1 | G |
| 0105 | KHAR | 21 | 0903E | | 0908D | S08 | W37 | 4513 | 06 | 18.6 | 5D | SF | | | V | 0903 | | | | DI |
| 0106 | | 21 | 1244 | 1244 | 1256 | S06 | W39 | 4513 | 06 | 18.6 | 12 | SN | | | | | | 16 | .1 | |
| | RAMY | 21 | 1244 | 1244 | 1252 | S07 | W38 | 4513 | 06 | 18.7 | 8 | SN | | 3 | C | | | 22 | | |
| | HTPR | 21 | 1244 | 1245 | 1259 | S06 | W40 | 4513 | 06 | 18.5 | 15 | SF | | | C | 1245 | | 10 | .1 | |
| 0107 | | 21 | 1253 | 1257 | 1306 | S08 | W30 | 4519 | 06 | 19.3 | 13 | SN | | | | | | 30 | .2 | E |
| | HTPR | 21 | 1253 | 1258 | 1307 | S09 | W30 | 4519 | 06 | 19.3 | 14 | SN | | | C | 1258 | | 20 | .2 | E |
| | RAMY | 21 | 1256 | 1257 | 1304 | S08 | W29 | 4519 | 06 | 19.4 | 8 | SF | | 3 | C | | | 39 | | |
| 0108 | | 21 | 1340 | 1345 | 1451 | S06 | W34 | 4513 | 06 | 19.0 | 71 | 1N | C 2.7 | | | | | 139 | 2.8 | EFKS |
| | HTPR | 21 | 1340 | | 1452D | S06 | W33 | 4513 | 06 | 19.1 | 72D | 1B | | | C | 1357 | | 240 | 2.8 | EKS |
| | HOLL | 21 | 1344 | 1345 | 1443 | S07 | W35 | 4513 | 06 | 18.9 | 59 | SN | C 2.7 | 3 | C | | | 39 | | |
| | RAMY | 21 | 1344 | 1348 | 1445 | S07 | W35 | 4513 | 06 | 18.9 | 61 | SN | C 2.7 | 3 | C | | | 69 | | |
| | HOLL | 21 | 1344 | 1351 | 1505 | S05 | W32 | 4513 | 06 | 19.2 | 81 | 1N | | 3 | C | | | 207 | | F |
| 0109 | ATHN | 21 | 1353 | 1354 | 1423 | N06 | W29 | 4516 | 06 | 19.4 | 30 | SB | | 1 | V | 1354 | | 111 | 1.3 | |
| 0110 | HOLL | 21 | 1911 | 1912 | 1918 | S06 | W35 | 4519 | 06 | 19.2 | 7 | SN | | 3 | C | | | 41 | | |
| 0111 | HOLL | 21 | 2150E | 2152U | 2159 | S05 | W43 | 4513 | 06 | 18.7 | 9D | SN | | 3 | C | | | 38 | | |
| 0112 | YUNN | 22 | 0303E | 0308 | 0311D | S16 | E24 | 4520 | 06 | 23.9 | 8D | SN | | | P | | | 157 | 1.9 | |
| 0113 | | 22 | 0338 | 0339 | 0347 | S09 | W38 | 4519 | 06 | 19.3 | 9 | SN | | | | | | 51 | .8 | FH |
| | CULG | 22 | 0338 | 0339 | 0347 | S09 | W37 | 4519 | 06 | 19.4 | 9 | SF | | | C | 0339 | | 40 | .5 | H |
| | LEAR | 22 | 0339 | 0340 | 0346 | S09 | W38 | 4519 | 06 | 19.3 | 7 | SN | | 3 | C | | | 34 | | F |
| | YUNN | 22 | 0343E | 0343U | 0347 | S08 | W40 | 4519 | 06 | 19.1 | 4D | SN | | | P | 0343 | | 79 | 1.1 | |
| 0114 | ABST | 22 | 0404E | 0407 | 0453D | S16 | E23 | 4520 | 06 | 23.9 | 49D | SF | | | P | 0407 | | 87 | 1.0 | DIK |
| 0115 | HTPR | 22 | 0851 | 0853 | 0905 | S13 | E90 | 4521 | 06 | 29.1 | 14 | SF | | | C | 0853 | | 10 | | |

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Jun 84

H - ALPHA SOLAR FLARES

JUNE 1984

| Grp # | Sta | Day | Start (UT) | Max (UT) | End (UT) | Lat | CMD | NOAA/ USAF Region | CMP Mo | Dur Day | Imp (Min) | Opt | Xray | Obs See | Type | Time (UT) | Area Measurement | | Remarks | | | |
|-------|------|-----|------------|----------|----------|-----|-----|-------------------------|-----------|------------|--------------|-----|-------|------------|------|--------------|-------------------------------------|------------------|---------|-----------------|-----------------|---|
| | | | | | | | | | | | | | | | | | Apparent (10 ⁻⁶ Disk) | Corr (Sq Deg) | | | | |
| 0116 | | 22 | 0930E | | 1052D | S15 | E19 | 4520 | 06 | 23.8 | 82D | SF | | | | | | | | DHLT | | |
| | KHAR | 22 | 0930E | | 1002D | S16 | E20 | 4520 | 06 | 23.9 | 32D | SF | | | | V | 0942 | | | LT | | |
| | KHAR | 22 | 0955E | | 1002D | S14 | E19 | 4520 | 06 | 23.8 | 7D | SF | | | | V | 0958 | | | DT | | |
| | KHAR | 22 | 1034E | | 1052D | S16 | E19 | 4520 | 06 | 23.9 | 18D | SF | | | | V | 1045 | | | HT | | |
| | | 22 | 1003 | | 1019 | | | | | | | | | | | | | | | No Flare Patrol | | |
| | | 22 | 1038 | | 1039 | | | | | | | | | | | | | | | | No Flare Patrol | |
| 0117 | KHAR | 22 | 1050E | | 1052D | S11 | W90 | | 06 | 15.7 | 2D | SF | | | | V | 1050 | | | | | |
| | | 22 | 1106 | | 1123 | | | | | | | | | | | | | | | | No Flare Patrol | |
| 0118 | RAMY | 22 | 1126 | 1131 | 1152 | S15 | E18 | 4520 | 06 | 23.8 | 26 | SF | | 3 | C | | | 35 | | | F | |
| 0119 | RAMY | 22 | 1158 | 1204 | 1255 | S15 | E17 | 4520 | 06 | 23.8 | 57 | SF | | 3 | C | | | 30 | | | | |
| 0120 | | 22 | 1357 | 1419* | 1518 | S15 | E15 | 4520 | 06 | 23.7 | 81 | SN | | | | | | 70 | | | FK | |
| | RAMY | 22 | 1357 | 1419 | 1518 | S15 | E15 | 4520 | 06 | 23.7 | 81 | SN | | 3 | C | | | 67 | | | K | |
| | RAMY | 22 | 1357 | 1501 | 1518 | S15 | E15 | 4520 | 06 | 23.7 | 81 | SN | | 3 | C | | | 73 | | | FK | |
| | | 22 | 1726 | | 1736 | | | | | | | | | | | | | | | | No Flare Patrol | |
| | | 22 | 1818 | | 1823 | | | | | | | | | | | | | | | | No Flare Patrol | |
| 0121 | | 22 | 20347 | 20432 | 2108 | S16 | E12 | 4520 | 06 | 23.8 | 34 | SN | | | | | | 44 | | | | |
| | HOLL | 22 | 2034 | 2043 | 2109 | S15 | E12 | 4520 | 06 | 23.8 | 35 | SN | | 3 | C | | | 41 | | | | |
| | PALE | 22 | 2041 | 2045 | 2107 | S16 | E12 | 4520 | 06 | 23.8 | 26 | SF | | 3 | C | | | 46 | | | | |
| 0122 | HOLL | 22 | 2111 | 2113 | 2125 | S15 | E11 | 4520 | 06 | 23.7 | 14 | SF | | 3 | C | | | 39 | | | | |
| 0123 | HOLL | 22 | 2145 | 2148 | 2156 | S16 | E13 | 4520 | 06 | 23.9 | 11 | SF | | 3 | C | | | 21 | | | | |
| 0124 | LEAR | 23 | 0049 | 0050 | 0054 | S15 | E11 | 4520 | 06 | 23.9 | 5 | SF | | 3 | C | | | 30 | | | | |
| 0125 | | 23 | 01208 | 01302 | 0150 | S16 | E10 | 4520 | 06 | 23.8 | 30 | SN | | | | | | 56 | | | F | |
| | PALE | 23 | 0120 | 0130 | 0145 | S16 | E10 | 4520 | 06 | 23.8 | 25 | SF | | 3 | C | | | 41 | | | | |
| | LEAR | 23 | 0128 | 0132 | 0154 | S15 | E11 | 4520 | 06 | 23.9 | 26 | SN | | 3 | C | | | 72 | | | F | |
| 0126 | LEAR | 23 | 0311 | 0313 | 0320 | S15 | E10 | 4520 | 06 | 23.9 | 9 | SF | | 3 | C | | | 47 | | | F | |
| 0127 | LEAR | 23 | 0349 | 0356 | 0417 | S06 | W60 | 4513 | 06 | 18.7 | 28 | SF | | 3 | C | | | 82 | | | F | |
| 0128 | LEAR | 23 | 0418 | 0422 | 0427 | S15 | E10 | 4520 | 06 | 23.9 | 9 | SF | | 3 | C | | | 41 | | | F | |
| 0129 | | 23 | 0435* | 0437* | 0615 | S15 | E08 | 4520 | 06 | 23.8 | 100 | SN | C 1.2 | | | | | 107 | 1.6 | | EFIKT | |
| | LEAR | 23 | 0435 | 0437 | 0446 | S15 | E10 | 4520 | 06 | 23.9 | 11 | SF | | 3 | C | | | 30 | | | | |
| | YUNN | 23 | 0445 | 0447 | 0452D | S15 | E09 | 4520 | 06 | 23.9 | 7D | 1B | | | P | | | 204 | 2.2 | | | |
| | HTPR | 23 | 0454E | | 0820 | S15 | E05 | 4520 | 06 | 23.6 | 206D | SB | | | C | 0635 | | 150 | 1.5 | | EK | |
| | LEAR | 23 | 0507 | 0507 | 0514 | S15 | E09 | 4520 | 06 | 23.9 | 7 | SN | | 3 | C | | | 59 | | | | |
| | LEAR | 23 | 0528 | 0532 | 0550 | S15 | E08 | 4520 | 06 | 23.8 | 22 | SN | C 1.2 | 3 | C | | | 104 | | | F | |
| | ABST | 23 | 0531 | 0537 | 0649D | S15 | E09 | 4520 | 06 | 23.9 | 78D | SN | | | P | 0537 | | 87 | .9 | | EIK | |
| | LEAR | 23 | 0552 | 0602 | 0606 | S16 | E08 | 4520 | 06 | 23.8 | 14 | SF | | 3 | C | | | 23 | | | | |
| | KANZ | 23 | 0626 | 0630 | 0646 | S15 | E07 | 4520 | 06 | 23.8 | 20 | SN | | 1 | | | | | | | | |
| | LEAR | 23 | 0629 | 0630 | 0646 | S15 | E08 | 4520 | 06 | 23.9 | 17 | SN | C 1.9 | 3 | C | | | 35 | | | F | |
| | CATA | 23 | 0630 | 0635 | 0635D | S16 | E07 | 4520 | 06 | 23.8 | 5D | S | C 1.9 | 2 | P | 0635 | | 140 | 1.5 | | T | |
| | YUNN | 23 | 0643E | 0643U | 0650D | S15 | E07 | 4520 | 06 | 23.8 | 7D | SB | C 1.9 | | P | 0643 | | 157 | 1.7 | | | |
| | ISTA | 23 | 0718E | | 0740D | S16 | E06 | 4520 | 06 | 23.7 | 22D | 1B | | | | | | | | | | E |
| | PEKG | 23 | 0730E | 0730U | 0740D | S15 | E07 | 4520 | 06 | 23.8 | 10D | SF | | | P | 0730 | | 189 | 2.0 | | | E |
| 0130 | | 23 | 0729* | 0735* | 0801 | S06 | W63 | 4513 | 06 | 18.6 | 32 | SN | | | | | | 67 | 1.6 | | EUZ | |
| | YUNN | 23 | 0729 | 0736 | 0758 | S05 | W64 | 4513 | 06 | 18.5 | 29 | 1B | | | C | | | 110 | 2.6 | | | |
| | HTPR | 23 | 0731 | 0735 | 0810 | S06 | W65 | 4513 | 06 | 18.4 | 39 | SB | | | C | 0735 | | 40 | .9 | | E | |
| | KHAR | 23 | 0732E | 0735 | 0802D | S08 | W64 | 4513 | 06 | 18.5 | 30D | SF | | | V | 0735 | | | | | | E |
| | ISTA | 23 | 0733 | | 0740D | S06 | W63 | 4513 | 06 | 18.6 | 7D | SB | | | | | | | | | | U |
| | PEKG | 23 | 0733 | 0735 | 0740 | S06 | W62 | 4513 | 06 | 18.7 | 7 | SN | | | P | 0735 | | 71 | 1.6 | | | Z |
| | LEAR | 23 | 0733 | 0735 | 0810 | S06 | W62 | 4513 | 06 | 18.7 | 37 | SN | | 3 | C | | | 49 | | | | E |
| | KANZ | 23 | 0733 | 0737 | 0801 | S06 | W62 | 4513 | 06 | 18.7 | 28 | SF | | | | | | | | | | |
| | CATA | 23 | 0740 | 0750 | 0805 | S04 | W63 | 4513 | 06 | 18.6 | 25 | S | | 1 | C | 0750 | | 68 | 1.5 | | | |

H - ALPHA SOLAR FLARES

JUNE 1984

| Grp # | Sta | Day | Start (UT) | Max (UT) | End (UT) | Lat | CMD | NOAA/ USAF Region | CMP Mo | Day | Dur (Min) | Imp Opt | Xray | Obs See | Type | Time (UT) | Area Measurement | | Remarks | |
|-------|------|-----|------------|----------|----------|-----|-----|-------------------------|-----------|------|--------------|------------|-------|------------|------|--------------|---------------------|--------|---------|----------|
| | | | | | | | | | | | | | | | | | (10 ⁻⁶) | (Disk) | | (Sq Deg) |
| | | | 27 0237 | | 0242 | | | No Flare Patrol | | | | | | | | | | | | |
| | | | 27 0314 | | 0357 | | | No Flare Patrol | | | | | | | | | | | | |
| 0152 | HTPR | 27 | 0723 | 0724 | 0726 | S12 | W56 | 4520 | 06 | 23.1 | 3 | SF | | | C | 0724 | 20 | .3 | | |
| 0153 | HTPR | 27 | 0744 | 0746 | 0750 | N17 | E90 | 4525 | 07 | 4.2 | 6 | SF | | | C | 0746 | 10 | | | |
| 0154 | HTPR | 27 | 1109 | 1112 | 1116 | N06 | E65 | 4523 | 07 | 2.3 | 7 | SF | | | C | 1112 | 20 | .4 | | |
| 0155 | HTPR | 27 | 1456 | 1503 | 1509 | N17 | E90 | 4525 | 07 | 4.5 | 13 | SF | | | C | 1503 | 10 | | | |
| 0156 | KANZ | 27 | 1809E | | 1809D | N14 | E90 | 4525 | 07 | 4.5 | 13D | | | | | | | | | |
| | | | 27 1812 | | 1817 | | | No Flare Patrol | | | | | | | | | | | | |
| 0157 | LEAR | 28 | 0351 | 0353 | 0406 | N15 | E90 | 4525 | 07 | 5.0 | 15 | SF | 3 | | C | | 14 | | | |
| 0158 | HTPR | 28 | 0744 | 0746 | 0800 | N15 | E88 | 4525 | 07 | 5.0 | 16 | SN | | | C | 0746 | 20 | | | |
| 0159 | HTPR | 28 | 1149 | 1152 | 1156 | N13 | E90 | 4525 | 07 | 5.3 | 7 | SN | | | C | 1152 | 20 | | | |
| 0160 | HTPR | 28 | 1331 | 1335 | 1338 | S12 | W60 | 4520 | 06 | 24.0 | 7 | SF | | | C | 1335 | 20 | .4 | | |
| | | | 28 1542 | | 1546 | | | No Flare Patrol | | | | | | | | | | | | |
| 0161 | | 28 | 1617I | 1620I | 1635 | N14 | E79 | 4525 | 07 | 4.6 | 18 | SF | C 1.3 | | | | 62 | | F | |
| | HOLL | 28 | 1617 | 1620 | 1635 | N12 | E81 | 4525 | 07 | 4.8 | 18 | SF | C 1.3 | 3 | C | | 71 | | | |
| | RAMY | 28 | 1618 | 1621 | 1634D | N15 | E77 | 4525 | 07 | 4.5 | 16D | SF | C 1.3 | 3 | C | | 52 | | F | |
| | | | 28 1754 | | 1821 | | | No Flare Patrol | | | | | | | | | | | | |
| | | | 28 1926 | | 1956 | | | No Flare Patrol | | | | | | | | | | | | |
| 0162 | HOLL | 28 | 2025 | 2032 | 2032 | S12 | W66 | 4520 | 06 | 23.9 | 7 | SF | 3 | | C | | 14 | | | |
| | | | 28 2201 | | 2207 | | | No Flare Patrol | | | | | | | | | | | | |
| 0163 | | 29 | 0618E | 0655 | 0720 | N04 | W64 | 4526 | 06 | 24.5 | 62D | SF | | | | | 20 | .4 | DEH | |
| | KHAR | 29 | 0618E | | 0625D | N04 | W64 | 4526 | 06 | 24.5 | 7D | SF | | V | | 0618 | | | DH | |
| | HTPR | 29 | 0647E | | 0720 | N04 | W64 | 4526 | 06 | 24.5 | 33D | SF | | C | | 0653 | 20 | .4 | E | |
| | KHAR | 29 | 0653E | 0655 | 0715D | N04 | W64 | 4526 | 06 | 24.5 | 22D | SN | | V | | 0655 | | | DH | |
| 0164 | KHAR | 29 | 0805E | | 0822D | N04 | W65 | 4526 | 06 | 24.5 | 17D | SF | | V | | 0805 | | | D | |
| 0165 | KHAR | 29 | 0933E | 0934 | 0940D | N16 | E90 | | 07 | 6.2 | 7D | SN | | V | | 0933 | | | L | |
| 0166 | HOLL | 29 | 2039 | 2048 | 2052 | N11 | E86 | | 07 | 6.3 | 13 | SF | 3 | | C | | 11 | | | |
| 0167 | HOLL | 29 | 2119 | 2153 | 2156 | N11 | E87 | | 07 | 6.4 | 37 | SF | 3 | | C | | 39 | | | |
| 0168 | YUNN | 30 | 0335E | 0337 | 0343D | N03 | E74 | | 07 | 5.7 | 8D | 1F | | | P | | 62 | | EG | |
| 0169 | LEAR | 30 | 0503 | 0506 | 0511 | N14 | E65 | 4525 | 07 | 5.1 | 8 | SF | 3 | | C | | 14 | | | |
| 0170 | | 30 | 0610 | 0616* | 0650 | N09 | W62 | 4526 | 06 | 25.6 | 40 | SF | | | | | 10 | .2 | K | |
| | HTPR | 30 | 0610 | 0616 | 0650 | N09 | W62 | 4526 | 06 | 25.6 | 40 | SF | | C | | 0616 | 10 | .2 | K | |
| | HTPR | 30 | 0610 | 0637 | 0650 | N09 | W62 | 4526 | 06 | 25.6 | 40 | SF | | C | | 0616 | 10 | .2 | K | |
| 0171 | HTPR | 30 | 0725 | 0730 | 0750 | N09 | W62 | 4526 | 06 | 25.6 | 25 | SF | | | C | 0730 | 10 | .2 | | |
| 0172 | KHAR | 30 | 0730E | | 0805D | S33 | W90 | | 06 | 23.2 | 35D | SN | | V | | 0730 | | | H | |
| 0173 | KHAR | 30 | 0752E | 0755 | 0802D | S17 | W90 | 4520 | 06 | 23.5 | 10D | SN | | | C | 0755 | | | H | |
| 0174 | | 30 | 0908 | 0911 | 0926 | N15 | E60 | 4525 | 07 | 4.9 | 18 | SF | | | | | 20 | .4 | E | |
| | HTPR | 30 | 0908 | 0911 | 0926 | N13 | E61 | 4525 | 07 | 5.0 | 18 | SF | | C | | 0911 | 20 | .4 | | |
| | KHAR | 30 | 0909E | | 0922D | N17 | E59 | 4525 | 07 | 4.9 | 13D | SF | | V | | 0909 | | | E | |
| 0175 | | 30 | 0947 | 0948 | 0949 | N15 | E60 | 4525 | 07 | 4.9 | 2 | SF | | | | | 20 | .4 | E | |
| | KHAR | 30 | 0946E | | 0951D | N17 | E59 | 4525 | 07 | 4.9 | 5D | SF | | V | | 0947 | | | E | |
| | HTPR | 30 | 0947 | 0948 | 0949 | N13 | E60 | 4525 | 07 | 4.9 | 2 | SF | | C | | 0948 | 20 | .4 | | |

H - ALPHA SOLAR FLARES

153
Jun 84

JUNE 1984

| Grp # | Sta | Day | Start (UT) | Max (UT) | End (UT) | Lat | CMD | NOAA/ USAF Region | CMP Mo | Day | Dur (Min) | Imp Opt | Xray | See | Obs Type | Time (UT) | Area Measurement | | Remarks | |
|-------|------|-----|------------|----------|----------|-----|-----|-------------------------|-----------|-----|--------------|------------|-------|-----|-------------|--------------|-------------------------------------|------------------|---------|-----|
| | | | | | | | | | | | | | | | | | Apparent (10 ⁻⁶ Disk) | Corr (Sq Deg) | | |
| 0176 | HTPR | 30 | 0952 | 0956 | 1013 | S01 | E69 | | 07 | 5.6 | 21 | SF | | | C | 0956 | 10 | .2 | | |
| 0177 | | 30 | 11041 | 11043 | 1120 | N13 | E59 | 4525 | 07 | 4.9 | 16 | SN | | | | | | 21 | .4 | F |
| | RAMY | 30 | 1104 | 1104 | 1122 | N14 | E61 | 4525 | 07 | 5.1 | 18 | SN | | 3 | C | | | 20 | | F |
| | HTPR | 30 | 1105 | 1106 | 1121 | N13 | E59 | 4525 | 07 | 4.9 | 16 | SF | | | C | 1106 | | 10 | .2 | |
| | ATHN | 30 | 1106E | 1107 | 1118 | N12 | E58 | 4525 | 07 | 4.8 | 12D | SN | | 3 | V | 1107 | | 32 | .6 | |
| 0178 | | 30 | 1221* | 1226* | 1240 | N14 | E60 | 4525 | 07 | 5.0 | 19 | SF | | | | | | 18 | | F |
| | RAMY | 30 | 1221 | 1226 | 1232 | N14 | E60 | 4525 | 07 | 5.0 | 11 | SF | | 3 | C | | | 21 | | |
| | RAMY | 30 | 1237 | 1238 | 1247 | N14 | E60 | 4525 | 07 | 5.1 | 10 | SF | | 3 | C | | | 14 | | F |
| 0179 | | 30 | 1303* | 1314* | 1419 | N14 | E61 | 4525 | 07 | 5.1 | 76 | SN | C 1.3 | | | | | 66 | 1.6 | EFH |
| | HOLL | 30 | 1303 | 1314 | 1442 | N14 | E63 | 4525 | 07 | 5.3 | 99 | SN | C 1.3 | 3 | C | | | 83 | | F |
| | RAMY | 30 | 1311 | 1314 | 1405 | N15 | E62 | 4525 | 07 | 5.2 | 54 | SN | C 1.3 | 3 | C | | | 58 | | FH |
| | HTPR | 30 | 1311 | 1317 | 1400 | N13 | E58 | 4525 | 07 | 4.9 | 49 | SB | | | C | 1317 | | 80 | 1.6 | E |
| | RAMY | 30 | 1407 | 1412 | 1429 | N15 | E61 | 4525 | 07 | 5.2 | 22 | SF | | 3 | C | | | 45 | | |
| 0180 | | 30 | 15097 | 15142 | 1531 | N14 | E58 | 4525 | 07 | 5.0 | 22 | SF | | | | | | 20 | | |
| | HOLL | 30 | 1509 | 1514 | 1531 | N12 | E55 | 4525 | 07 | 4.8 | 22 | SF | | 3 | C | | | 23 | | |
| | RAMY | 30 | 1516 | 1516 | 1524D | N15 | E61 | 4525 | 07 | 5.2 | 8D | SF | | 3 | C | | | 16 | | |
| 0181 | HTPR | 30 | 1556 | 1558 | 1600 | N13 | E57 | 4525 | 07 | 5.0 | 4 | SN | | | C | 1558 | | 20 | .4 | |
| 0182 | RAMY | 30 | 1752 | 1754 | 1802 | N14 | E56 | 4525 | 07 | 5.0 | 10 | SF | | | C | | | 20 | | |
| 0183 | HTPR | 30 | 1759 | | 1804D | N01 | E65 | | 07 | 5.6 | 5D | SF | | | C | 1801 | | 20 | .4 | |
| 0184 | HOLL | 30 | 1848 | 1849 | 1853 | N13 | E56 | 4525 | 07 | 5.0 | 5 | SF | | 3 | C | | | 18 | | |
| 0185 | | 30 | 23231 | 23241 | 2338 | N12 | E57 | 4525 | 07 | 5.3 | 15 | SN | | | | | | 45 | | F |
| | PALE | 30 | 2323 | 2324 | 2339 | N12 | E57 | 4525 | 07 | 5.3 | 16 | SN | | 3 | C | | | 57 | | F |
| | HOLL | 30 | 2324 | 2325 | 2336 | N11 | E57 | 4525 | 07 | 5.3 | 12 | SN | | 3 | C | | | 33 | | F |

"Remarks":

A = Eruptive prominence whose base is less than 90° from central meridian.
 B = Probably the end of a more important flare.
 C = Invisible 10 minutes before.
 D = Brilliant point.
 E = Two or more brilliant points.
 F = Several eruptive centers.
 G = No visible spots in the neighborhood.
 H = Flare accompanied by high-speed dark filament.
 I = Active region very extended.
 J = Distinct variations of plage intensity before or after the flare.
 K = Several intensity maxima.
 L = Existing filaments show signs of sudden activity.
 M = White-light flare.
 N = Continuous spectrum shows effects of polarization.

O = Observations have been made in the H and K lines of Ca II.
 P = Flare shows helium D3 in emission.
 Q = Flare shows Balmer continuum in emission.
 R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
 S = Brightness follows disappearance of filament in same position.
 T = Region active all day.
 U = Two bright branches, parallel or converging.
 V = Occurrence of an explosive phase: important, expansion within roughly 1 minute that often includes a significant intensity increase.
 W = Great increase in area after time of maximum intensity.
 X = Unusually wide H-alpha line.
 Y = System of loop-type prominences.
 Z = Major sunspot umbra covered by flare.