# SOLAR FLARES
## Confirmed

DECEMBER 1973

| OBSERV-ATORY | OBSERVED UT DATE DEC | START | END | MAX. PHASE | LOCATION APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | MCMATH PLAGE REGION | CMP DAY | DURATION MIN. | IMPORTANCE | OBS. COND. | OBS. TYPE | MEASUREMENTS TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hα | MAX. INT. % | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRP50158 | 01 | 0743 | 0759 | 0744 | S10 | W48 | .755 | 12628 | 27.7 | 16 | --N | | | | .55 | | | | 4 4 4 9 |
| CRON | 01 | 0742E | 0802 | | S09 | W48 | .753 | 12628 | 27.7 | 20D | -N | | | | .52 | | | | |
| ATHN | 01 | 0743E | 0754 | 0744 | S12 | W48 | .759 | 12628 | 27.7 | 11D | -F | 2 | V | | .33 | | | | F |
| TEHR | 01 | 0743 | 0758 | 0745 | S09 | W48 | .753 | 12628 | 27.7 | 15 | -N | 3 | C | | .36 | | | | F |
| ABST | 01 | 0743 | 0800 | 0744 | S08 | W48 | .751 | 12628 | 27.7 | 17 | -N | | C | 0744 | .99 | 1.50 | | 98 | D |
| 159 ATHN | 01 | 1113E | 1124 | 1115 | S14 | W50 | .785 | 12628 | 27.7 | 11D | --F | 2 | V | | .33 | | | | DE 2 |
| GRP50160 | 01 | 1137 | 1147 | 1139 | S10 | W51 | .787 | 12628 | 27.7 | 10 | --F | | | | .24 | | | | 2 2 2 2 |
| CANR | 01 | 1136 | 1145 | 1137 | S10 | W51 | .787 | 12628 | 27.7 | 9 | -F | | | | .31 | | | | |
| TEHR | 01 | 1138 | 1148 | 1140 | S09 | W50 | .775 | 12628 | 27.7 | 10 | -F | 2 | C | | .17 | | | | F |
| 161 RAHY | 01 | 1229 | 1252 | 1240 | S14 | W48 | .764 | 12628 | 27.9 | 23 | --F | 4 | C | | .46 | | | | DE 2 |
| 162 BOUL | 01 | 1714 | 1732 | 1717 | S10 | W51 | .787 | 12628 | 27.9 | 18 | --F | | V | 1717 | | .90 | | | 4 2 |
| | 01 | 1734 | 1747 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 01 | 2013 | 2048 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| GRP50163 | 02 | 0156 | 0233 | 0206 | S15 | W57 | .853 | 12628 | 27.8 | 37 | -N | | | | 1.55 | | | | 2 2 2 2 |
| MANI | 02 | 0151 | 0243 | 0203 | S15 | W55 | .835 | 12628 | 28.0 | 52 | 1N | 2 | | 0203 | 2.06 | 3.56 | | | F |
| CRON | 02 | 0200 | 0222 | 0208 | S14 | W58 | .860 | 12628 | 27.7 | 22 | -N | | | | 1.03 | | | | |
| | 02 | 0310 | 0317 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| 164 MANI | 02 | 0356 | 0406D | 0358 | S10 | W58 | .854 | 12628 | 27.8 | 10D | --N | 2 | | 0358 | .62 | 1.11 | | | F 2 |
| | 02 | 0619 | 0629 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| GRP50165 | 02 | 0859 | 0920 | 0916 | S14 | W61 | .884 | 12628 | 27.8 | 21 | -B | | | | 1.32 | | | | 3 2 2 3 |
| CATA | 02 | 0850E | 0920D | 0920 | S14 | W61 | .884 | 12628 | 27.8 | 30D | 1B | | | 0920 | 2.02 | 4.33 | | (263) | |
| BUCA | 02 | 0858 | 1000 | | S13 | W61 | .883 | 12628 | 27.8 | 62 | -N | | C | 0902 | .55 | 1.10 | | | D |
| CANR | 02 | 0908 | 0914D | 0912 | S13 | W60 | .875 | 12628 | 27.9 | 6D | -N | | | 0912 | .62 | 1.20 | | | |
| GRP50166 | 02 | 1221 | 1236 | 1227 | S13 | W64 | .906 | 12628 | 27.7 | 15 | --F | | | | .73 | | | | 2 2 2 3 |
| UPIC | 02 | 1221 | 1241 | 1229 | S12 | W67 | .925 | 12628 | 27.5 | 20 | -F | | P | 1229 | .63 | | | | K |
| CANR | 02 | 1223E | 1231 | 1225 | S13 | W60 | .875 | 12628 | 28.0 | 8D | -F | | | 1225 | .83 | 1.50 | | | |
| GRP50168 | 02 | 1505 | 1537 | 1518 | S13 | W64 | .906 | 12628 | 27.8 | 32 | 1N | | | | 1.34 | | | | 4 4 3 4 |
| RAHY | 02 | 1459 | 1519 | 1508 | S10 | W64 | .903 | 12628 | 27.8 | 20 | -F | 3 | C | | .37 | | | | F |
| MCMA | 02 | 1500E | 1538 | 1516 | S14 | W66 | .920 | 12628 | 27.7 | 38D | 1N | | C | 1516 | 1.29 | 3.00 | | | E |
| HUAN | 02 | 1507E | 1525D | | S13 | W65 | .913 | 12628 | 27.8 | 18D | 1N | 1 | P | 1518 | 1.24 | 2.71 | | | C |
| RAHY | 02 | 1508 | 1529 | 1519 | S14 | W65 | .914 | 12628 | 27.8 | 21 | 1N | 3 | C | | 1.49 | | | | F |
| BOUL | 02 | 1520 | 1545 | 1520 | S11 | W62 | .889 | 12628 | 28.0 | 25 | -N | | V | 1520 | | | | | 4 |
| GRP50169 | 02 | 1606 | 1631 | 1612 | S13 | W66 | .919 | 12628 | 27.7 | 25 | --F | | | | .78 | | | | 2 2 2 4 |
| HUAN | 02 | 1604 | 1612D | | S13 | W66 | .919 | 12628 | 27.7 | 8D | -F | 1 | P | 1610 | .83 | | | | E |
| MCMA | 02 | 1608 | 1631 | 1612 | S13 | W65 | .913 | 12628 | 27.8 | 23 | -F | | C | 1612 | .72 | 1.80 | | | EH |
| | 02 | 1655 | 1702 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| GRP50170 | 02 | 1827 | 1900 | 1831 | S12 | W69 | .938 | 12628 | 27.6 | 33 | -F | | | | .76 | | | | 3 2 2 3 |
| RAHY | 02 | 1826 | 1852 | 1830 | S13 | W67 | .926 | 12628 | 27.7 | 26 | -N | 3 | C | | .65 | | | | DE |
| BOUL | 02 | 1828 | 1840D | 1832 | S11 | W70 | .943 | 12628 | 27.5 | 12D | 1F | | C | 1832 | .86 | 2.27 | | | |
| MCMA | 02 | 1850E | 1900D | | S13 | W66 | .919 | 12628 | 27.8 | 10D | -F | | P | 1852 | .26 | .70 | | | D |
| | 02 | 1939 | 2001 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| 172 HUAN | 02 | 2029 | 2041 | 2034 | S15 | W65 | .914 | 12628 | 28.0 | 12 | --F | 1 | C | 2034 | .26 | | | | D 2 |
| GRP50174 | 03 | 0204 | 0216 | 0207 | S15 | W71 | .950 | 12628 | 27.8 | 12 | -B | | | | .64 | | | | 3 3 3 4 |
| MITK | 03 | 0203 | 0216 | 0207 | S15 | W71 | .950 | 12628 | 27.8 | 13 | -B | | C | 0207 | .52 | | | | DH |
| MANI | 03 | 0204 | 0217D | 0207 | S14 | W69 | .939 | 12628 | 27.9 | 13D | -N | 2 | | 0207 | .83 | 1.74 | | | |
| VORO | 03 | 0206 | 0214 | 0208 | S16 | W72 | .956 | 12628 | 27.7 | 8 | -B | | C | 0208 | .56 | 1.70 | | 74 | DJ |
| 175 MITK | 03 | 0236 | 0250 | 0239 | S15 | W71 | .950 | 12628 | 27.8 | 14 | -B | | C | 0239 | .52 | | | | DH 4 |
| GRP50176 | 03 | 0339 | 0348 | 0341 | S14 | W70 | .944 | 12628 | 27.9 | 9 | -N | | | | .59 | | | | 3 3 3 4 |
| TEHR | 03 | 0338E | 0346 | 0338U | S13 | W67 | .926 | 12628 | 28.1 | 8D | -N | 2 | V | | .17 | | | | DE |
| MITK | 03 | 0339 | 0348 | 0340 | S15 | W72 | .955 | 12628 | 27.8 | 9 | -B | | C | 0340 | .52 | | | | DH |
| MANI | 03 | 0340E | 0347D | 0340U | S14 | W70 | .944 | 12628 | 27.9 | 7D | -N | 1 | | 0340 | .62 | 1.33 | | | FU |
| TEHR | 03 | 0341E | 0348 | 0342 | S13 | W67 | .926 | 12628 | 28.1 | 7D | -N | 2 | C | | .64 | | | | DE |
| | 04 | 1933 | 1952 | NO FLARE PATROL | | | | | | | | | | | | | | | |

# SOLAR FLARES
## Confirmed

DECEMBER 1973

| OBSERV-ATORY | OBSERVED UT | | | | LOCATION | | | | | DURA-TION | IM-POR-TANCE | OBS. | | MEASUREMENTS | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DATE DEC | START | END | MAX. PHASE | APPROX. LAT. | APPROX. MER. DIST. | CENTRAL DISTANCE | MCMATH PLAGE REGION | CMP DAY | MIN. | | COND. | TYPE | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hα | MAX. INT. % | |
| GRP50185 | 05 | 0722 | 0754 | 0730 | N07 | E52 | .791 | 12646 | 9.2 | 32 | --N | | | | .40 | | | | 3 3 3 5 |
| MANI | 05 | 0721 | 0731D | 0729 | N08 | E52 | .792 | 12646 | 9.2 | 10D | -N | 2 | | 0729 | .52 | .83 | | | |
| TEHR | 05 | 0722 | 0801 | 0734 | N07 | E53 | .801 | 12646 | 9.3 | 39 | -N | 2 | C | | .36 | | | | U |
| ATHN | 05 | 0727E | 0746 | 0728 | N06 | E51 | .779 | 12646 | 9.1 | 19D | -N | 3 | V | | .33 | | | | DE |
| | 05 | 1559 | 1602 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 06 | 1959 | 2005 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| 187 BOUL | 07 | 1634E | 1645 | 1637 | N06 | E82 | .990 | 12651 | 13.8 | 11D | --F | | C | 1637 | .21 | .74 | | | 2 |
| | 07 | 2211 | 2217 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 08 | 1400 | 1433 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 09 | 1442 | 1523 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| 189 RAMY | 09 | 1523E | 1552D | 1523U | N06 | E59 | .859 | 12651 | 14.1 | 29D | --F | 3 | C | | .37 | | | | F 1 |
| 190 BOUL | 09 | 1905 | 1918 | 1910 | N02 | E54 | .809 | 12651 | 13.8 | 13 | --F | | C | 1910 | .21 | .36 | | | 3 |
| | 10 | 1546 | 1626 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 10 | 1709 | 1801 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| GRP50193 | 12 | 0848 | 0909 | 0855 | N05 | E22 | .385 | 12651 | 14.0 | 21 | -F | | | | 2.15 | | | | 4 4 4 6 |
| MONT | 12 | 0846E | 0917D | 0855 | N04 | E21 | .366 | 12651 | 13.9 | 31D | 1N | | C | 0855 | 2.58 | | | | F |
| BUCA | 12 | 0850 | 0904 | | N04 | E22 | .382 | 12651 | 14.0 | 14 | -F | | P | 0858 | 1.88 | 2.00 | | | E |
| CRON | 12 | 0851E | 0908 | | N07 | E22 | .394 | 12651 | 14.0 | 17D | -N | | | | 1.34 | | | | |
| ABST | 12 | 0855E | 0905D | 0855 | N05 | E23 | .401 | 12651 | 14.1 | 10D | 1F | | P | 0855 | 2.79 | 3.00 | | | E |
| ABST | 12 | 0855E | 0905D | 0855 | N04 | E21 | .366 | 12651 | 13.9 | 10D | -F | | P | 0855 | 1.17 | 1.20 | | | D |
| 194 RAMY | 14 | 2019E | 2028D | 2025U | N05 | W12 | .230 | 12651 | 13.9 | 9D | --F | 1 | C | | .28 | | | | DE 3 |
| GRP50195 | 14 | 2135 | 2145 | 2139 | N04 | E89 | 1.000 | 12662 | 21.6 | 10 | -F | | | | .21 | | | | 2 2 1 3 |
| BOUL | 14 | 2135 | 2142 | 2137 | N03 | E88 | .999 | 12662 | 21.5 | 7 | -F | | C | 2137 | .21 | .83 | | | |
| PALE | 14 | 2135 | 2147 | 2140 | N05 | E90 | 1.000 | 12662 | 21.6 | 12 | 1N | 3 | C | | | | | | |
| 196 CANR | 15 | 1130 | 1210 | 1134 | S12 | E80 | .985 | 12669 | 21.5 | 40 | --F | | | | .31 | | | | 3 |
| 199 RAMY | 15 | 2013 | 2026 | 2017 | N02 | E77 | .975 | 12662 | 21.6 | 13 | --F | 4 | C | | .28 | | | | DE 3 |
| GRP50200 | 16 | 0528 | 0607 | 0548 | S18 | E88 | .999 | 12664 | 22.8 | 39 | 1F | | | | .71 | | | | 2 2 2 3 |
| ABST | 16 | 0528 | 0557 | 0548 | S18 | E88 | .999 | 12664 | 22.8 | 29 | 1N | | C | 0548 | .90 | | | 92 | D |
| CRON | 16 | 0528E | 0617 | | S18 | E87 | .998 | 12664 | 22.8 | 49D | 1F | | | | .52 | | | | |
| 5 STATIONS REPORTING GROUP 50201. 0 STATIONS OBSERVING AND NOT REPORTING. | | | | | | | | | | | | | | | | | | | |
| GRP50201 | 16 | 0744 | 0805 | 0751 | S18 | E87 | .998 | 12664 | 22.8 | 21 | -N | | | | .51 | | | | 3 3 2 4 |
| CRON | 16 | 0736E | 0858 | 0752 | S18 | E87 | .998 | 12664 | 22.8 | 82D | 1N | | | | .52 | | | | |
| ATHN | 16 | 0747 | 0806 | 0750 | S17 | E88 | .999 | 12664 | 22.9 | 19 | -N | 2 | C | | | | | | DE |
| TEHR | 16 | 0750 | 0803 | 0752 | S18 | E85 | .996 | 12664 | 22.7 | 13 | -N | 3 | V | | .50 | | | | DE |
| 50201 | 16 | 0748 | 0840 | 0802 | S17 | E88 | .999 | 12664 | 22.9 | 52 | *-F | | | | .75 | | | | 2 2 2 5 |
| ABST | 16 | 0748 | 0835 | 0802 | S18 | E88 | .999 | 12664 | 22.9 | 47 | 1N | | C | 0802 | 1.35 | | | 98 | DJ |
| ARCE | 16 | 0800E | 0845D | | S16 | E88 | .999 | 12664 | 22.9 | 45D | -F | | P | 0805 | .15 | | | | |
| 6 STATIONS REPORTING GROUP 50203. 0 STATIONS OBSERVING AND NOT REPORTING. | | | | | | | | | | | | | | | | | | | |
| GRP50203 | 16 | 0926 | 1011 | 0945 | S18 | E85 | .996 | 12664 | 22.8 | 45 | -N | | | | .71 | | | | 5 5 3 6 |
| TEHR | 16 | 0920E | 1023 | 0946 | S18 | E85 | .996 | 12664 | 22.8 | 63D | -B | 3 | V | | .41 | | | | DE |
| TEHR | 16 | 0920E | 1023 | 0925 | S18 | E85 | .996 | 12664 | 22.8 | 63D | -N | 3 | V | | .50 | | | | DE |
| ABST | 16 | 0932 | 1005 | 0944 | S18 | E87 | .998 | 12664 | 22.9 | 33 | 1N | | C | 0944 | 1.35 | | | 98 | DK |
| ARCE | 16 | 0935E | 0940D | | S16 | E86 | .997 | 12664 | 22.8 | 5D | -B | | P | 0940 | .37 | | | | |
| CRON | 16 | 0938E | 1006 | 0948 | S18 | E85 | .996 | 12664 | 22.8 | 28D | 1N | | | | | | | | |
| ATHN | 16 | 0942E | 0953D | 0942U | S18 | E84 | .994 | 12664 | 22.7 | 11D | -N | 2 | C | | | | | | DE |
| 50203 | 16 | 0935 | 0951 | 0938 | S14 | E74 | .962 | 12664 | 21.9 | 16 | *-F | | | | .28 | | | | 2 2 2 7 |
| CANR | 16 | 0933 | 0950 | 0937 | S14 | E73 | .958 | 12664 | 21.9 | 17 | -F | | | | .31 | | | | |
| TEHR | 16 | 0936 | 0951 | 0938 | S14 | E75 | .967 | 12664 | 22.0 | 15 | -N | 3 | V | | .25 | | | | DE |
| GRP50204 | 16 | 1056 | 1139 | 1108 | S18 | E84 | .994 | 12664 | 22.8 | 43 | -B | | | | .39 | | | | 3 2 2 5 |
| CANR | 16 | 1035 | 1116 | 1039 | S17 | E82 | .990 | 12664 | 22.6 | 41 | -N | | | | | | | | |
| TEHR | 16 | 1056E | 1126 | 1105 | S18 | E85 | .996 | 12664 | 22.8 | 30D | -B | 3 | V | | .41 | | | | DE |
| RAMY | 16 | 1110E | 1152 | 1110U | S17 | E82 | .990 | 12664 | 22.6 | 42D | -B | 2 | C | | .37 | | | | DE |
| 205 RAMY | 16 | 1203 | 1215 | 1207 | S13 | E64 | .902 | 12669 | 21.3 | 12 | --N | 3 | C | | .14 | | | | DE 4 |
| 206 RAMY | 16 | 1316 | 1338 | 1317 | S17 | E80 | .985 | 12664 | 22.6 | 22 | --N | 3 | C | | .19 | | | | DE 2 |
| | 16 | 1953 | 2041 | NO FLARE PATROL | | | | | | | | | | | | | | | |

# SOLAR FLARES
## Confirmed

DECEMBER 1973

| OBSERV-ATORY | OBSERVED UT DATE DEC | START | END | MAX. PHASE | LOCATION APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | McMATH PLAGE REGION | CMP DAY | DURATION MIN. | IMPORTANCE | OBS. COND. | OBS. TYPE | MEASUREMENTS TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hα | MAX. INT. % | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 207 PALE | 16 | 1954 | 2023 | 1956 | S17 | E74 | .963 | 12664 | 22.4 | 29 | --F | 3 | C | | .45 | | | | DE 2 |
| 208 PALE | 16 | 1954 | 2023 | 2008 | S17 | E74 | .963 | 12664 | 22.4 | 29 | --N | 3 | C | | .27 | | | | DE 1 |
| | 16 | 2056 | 2135 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| GRP50209 | 16 | 2145 | 2204 | 2148 | S19 | E77 | .976 | 12664 | 22.7 | 19 | --F | | | | .36 | | | | 2 2 2 2 |
| HUAN | 16 | 2144 | 2202 | 2148 | S18 | E78 | .979 | 12664 | 22.8 | 18 | -F | 1 | C | 2148 | .26 | | | | D |
| PALE | 16 | 2145 | 2206 | 2147 | S19 | E75 | .968 | 12664 | 22.5 | 21 | -N | 3 | C | | .45 | | | | DE |
| | 16 | 2220 | 2247 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| GRP50210 | 16 | 2354 | 0010 | 2358 | S17 | E77 | .975 | 12664 | 22.8 | 16 | -N | | | | .62 | | | | 2 2 2 4 |
| MITK | 16 | 2353 | 0012 | 2354 | S16 | E79 | .982 | 12664 | 22.9 | 19 | 1N | | C | 2354 | .83 | | | | D |
| PALE | 16 | 2355 | 0007 | 0001 | S18 | E75 | .968 | 12664 | 22.6 | 12 | -N | 3 | V | | .41 | | | | F |
| PALE | 16 | 2355 | 0007 | 2356 | S18 | E75 | .968 | 12664 | 22.6 | 12 | -F | 3 | V | | .31 | | | | F |
| GRP50211 | 17 | 0029 | 0057 | 0032 | S17 | E77 | .975 | 12664 | 22.8 | 28 | 1B | | | | .91 | | | | 4 3 3 4 |
| MITK | 17 | 0028 | 0053 | 0032 | S17 | E79 | .982 | 12664 | 22.9 | 25 | 1B | | C | 0032 | 1.34 | | | | D |
| PALE | 17 | 0029 | 0102 | 0033D | S19 | E75 | .968 | 12664 | 22.6 | 33 | -N | 2 | C | | .55 | | | | F |
| VORO | 17 | 0030 | 0056 | 0032 | S16 | E76 | .971 | 12664 | 22.7 | 26 | 1B | | C | 0032 | .84 | 2.95 | | 126 | D |
| CRON | 17 | 0043E | 0057 | 0045 | S19 | E77 | .976 | 12664 | 22.8 | 14D | -N | | | | .31 | | | | |
| GRP50213 | 17 | 0316 | 0327 | 0322 | S18 | E75 | .968 | 12664 | 22.8 | 11 | -N | | | | .56 | | | | 3 3 3 4 |
| CRON | 17 | 0315 | 0326 | | S19 | E76 | .972 | 12664 | 22.8 | 11 | -N | | | | .41 | | | | |
| VORO | 17 | 0316 | 0328 | 0318 | S16 | E76 | .971 | 12664 | 22.8 | 12 | 1N | | C | 0318 | .74 | 2.56 | | 76 | DJ |
| PALE | 17 | 0325E | 0326D | 0325U | S18 | E72 | .954 | 12664 | 22.5 | 1D | -N | 2 | V | | .52 | | | | F |
| GRP50214 | 17 | 0742 | 0756 | 0749 | S19 | E72 | .954 | 12664 | 22.7 | 14 | --F | | | | .24 | | | | 2 2 2 2 |
| CRON | 17 | 0742 | 0753 | | S19 | E74 | .964 | 12664 | 22.9 | 11 | -F | | | | .31 | | | | |
| ATHN | 17 | 0747E | 0759 | 0749 | S18 | E70 | .944 | 12664 | 22.6 | 12D | -N | 3 | V | | .17 | | | | DE |
| 215 ATHN | 17 | 0907E | 0915 | 0910 | S18 | E68 | .932 | 12664 | 22.5 | 8D | --N | 4 | V | | .33 | | | | DE 2 |
| 216 MEUD | 17 | 1030 | 1043 | 1035 | S14 | E67 | .923 | 12664 | 22.5 | 13 | -N | | C | 1035 | .52 | | | | 3 |
| 217 ATHN | 17 | 1052E | 1118 | 1052U | S12 | E65 | .909 | 12664 | 22.3 | 26D | --N | 4 | V | | .33 | | | | DE 2 |
| 218 ATHN | 17 | 1148E | 1155 | 1149 | S18 | E66 | .920 | 12664 | 22.4 | 7D | --N | 4 | V | | .33 | | | | DE 2 |
| GRP50219 | 17 | 1303 | 1313 | 1305 | S18 | E67 | .926 | 12664 | 22.6 | 10 | --F | | | | .45 | | | | 3 3 3 5 |
| RAMY | 17 | 1303 | 1315 | 1305 | S16 | E67 | .925 | 12664 | 22.6 | 12 | -F | 3 | C | | .37 | | | | DE |
| MEUD | 17 | 1303 | 1309 | 1304 | S18 | E67 | .926 | 12664 | 22.6 | 6 | -N | | C | 1304 | .62 | | | | E |
| HUAN | 17 | 1303 | 1314 | 1306 | S19 | E68 | .933 | 12664 | 22.6 | 11 | -F | 1 | C | 1306 | .36 | | | | |
| GRP50220 | 17 | 1335 | 1344 | 1340 | S17 | E66 | .919 | 12664 | 22.5 | 9 | --F | | | | .39 | | | | 2 2 2 6 |
| MEUD | 17 | 1335 | 1343 | 1340 | S18 | E66 | .920 | 12664 | 22.5 | 8 | -F | | C | 1340 | .41 | | | | D |
| RAMY | 17 | 1335 | 1345 | 1340 | S16 | E66 | .918 | 12664 | 22.5 | 10 | -N | 4 | C | | .37 | | | | DE |
| GRP50221 | 17 | 1449 | 1503 | 1453 | S17 | E66 | .919 | 12664 | 22.6 | 14 | --N | | | | .33 | | | | 3 3 3 3 |
| RAMY | 17 | 1446 | 1504 | 1451 | S16 | E65 | .911 | 12664 | 22.5 | 18 | -F | 3 | C | | .28 | | | | DE |
| MCMA | 17 | 1448E | 1503 | | S18 | E66 | .920 | 12664 | 22.6 | 15D | -N | | C | 1455 | .31 | .90 | | | D |
| CANR | 17 | 1452 | 1502 | 1455 | S16 | E66 | .918 | 12664 | 22.6 | 10 | -N | | | 1455 | .41 | .80 | | | |
| GRP50223 | 17 | 1624 | 1635 | 1627 | S17 | E65 | .912 | 12664 | 22.6 | 11 | -N | | | | .50 | | | | 4 4 4 4 |
| CANR | 17 | 1623 | 1632 | 1627 | S16 | E65 | .911 | 12664 | 22.6 | 9 | -N | | | 1627 | .62 | 1.20 | | | |
| RAMY | 17 | 1624E | 1635D | 1628 | S16 | E66 | .918 | 12664 | 22.6 | 11D | -N | 4 | V | | .66 | | | | DE |
| MCMA | 17 | 1625 | 1633 | 1627 | S18 | E65 | .913 | 12664 | 22.6 | 8 | -B | | C | 1627 | .41 | 1.20 | | | E |
| BOUL | 17 | 1625 | 1640D | 1627 | S18 | E65 | .913 | 12664 | 22.6 | 15D | -F | | C | 1627 | .32 | .75 | | | |
| GRP50224 | 17 | 1707 | 1711 | 1709 | S18 | E65 | .913 | 12664 | 22.6 | 4 | --F | | | | .24 | | | | 2 2 2 4 |
| MCMA | 17 | 1706 | 1711 | 1708 | S18 | E65 | .913 | 12664 | 22.6 | 5 | -N | | C | 1708 | .26 | .80 | | | D |
| HUAN | 17 | 1707 | 1711 | 1709 | S18 | E65 | .913 | 12664 | 22.6 | 4 | -F | 1 | C | 1709 | .21 | | | | D |
| 225 PALE | 17 | 1802E | 1813 | 1803U | S18 | E65 | .913 | 12664 | 22.6 | 11D | --F | 3 | V | | .46 | | | | F 2 |
| GRP50226 | 18 | 1531 | 1537 | 1531 | S16 | E51 | .792 | 12664 | 22.5 | 6 | --F | | | | .21 | | | | 2 2 2 3 |
| CANR | 18 | 1530 | 1539 | 1531 | S14 | E52 | .798 | 12664 | 22.5 | 9 | -F | | | 1532 | .21 | | | | |
| HUAN | 18 | 1531 | 1534 | 1531 | S17 | E49 | .774 | 12664 | 22.3 | 3 | -F | 1 | C | 1531 | .21 | .33 | | | D |
| 229 RAMY | 18 | 1659E | 1714 | 1700 | S17 | E49 | .774 | 12664 | 22.4 | 15D | --F | 4 | V | | .33 | | | | 2 |
| 230 PALE | 18 | 1745 | 1749 | 1748 | S17 | E48 | .763 | 12664 | 22.3 | 4 | --F | 3 | C | | .27 | | | | F 2 |
| 231 PALE | 18 | 1801 | 1811 | 1806 | S17 | E48 | .763 | 12664 | 22.4 | 10 | --F | 3 | C | | .36 | | | | F 2 |
| 232 PALE | 18 | 1941 | 2004 | 1947 | S15 | E48 | .758 | 12664 | 22.4 | 23 | -N | 3 | C | | .91 | | | | F 1 |
| | 18 | 2058 | 2123 | NO FLARE PATROL | | | | | | | | | | | | | | | |

# SOLAR FLARES
## Confirmed

DECEMBER 1973

| OBSERVATORY | DATE DEC | OBSERVED UT START | END | MAX. PHASE | LOCATION APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | McMATH PLAGE REGION | CMP DAY | DURATION MIN. | IMPORTANCE | OBS. COND. | OBS. TYPE | MEASUREMENTS TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hα | MAX. INT. % | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 233 PALE | 18 | 2331E | 2339 | 2333U | S16 | E45 | .728 | 12664 | 22.4 | 8D | --N | 1 | C | | .36 | | | | F 2 |
| GRP50234 | 19 | 0124 | 0146 | 0132 | S16 | E45 | .727 | 12664 | 22.4 | 22 | -N | | | | 1.17 | | | | 3 3 2 3 |
| MITK | 19 | 0123 | 0147 | 0130 | S15 | E45 | .725 | 12664 | 22.4 | 24 | -N | | C | 0130 | 1.34 | 2.00 | | | E |
| PALE | 19 | 0124 | 0149 | 0133U | S15 | E46 | .736 | 12664 | 22.5 | 25 | -N | 2 | C | | .99 | | | | U F |
| CRON | 19 | 0124E | 0143 | | S18 | E45 | .733 | 12664 | 22.4 | 19D | -N | | | | | | | | |
| GRP50235 | 19 | 0756 | 0818 | 0800 | S17 | E43 | .708 | 12664 | 22.6 | 22 | -N | | | | 2.14 | | | | 4 4 3 4 |
| BUCA | 19 | 0755 | 0832 | | S17 | E41 | .685 | 12664 | 22.4 | 37 | 1N | | C | 0807 | 2.21 | 3.00 | | | E |
| TACH | 19 | 0755 | 0802 | 0800 | S17 | E45 | .730 | 12664 | 22.7 | 7 | 1B | | P | 0800 | 2.73 | 3.92 | | 72 | F |
| TEHR | 19 | 0756E | 0816 | 0759 | S17 | E41 | .685 | 12664 | 22.4 | 20D | -N | 4 | V | | 1.49 | | | | F |
| CRON | 19 | 0756 | 0823 | 0801 | S18 | E44 | .722 | 12664 | 22.6 | 27 | -N | | | | | | | | |
| GRP50237 | 19 | 1040 | 1108 | 1044 | S17 | E46 | .741 | 12664 | 22.9 | 28 | 1N | | | | 3.54 | | | | 5 5 4 5 |
| MEUD | 19 | 1039 | 1105 | | S17 | E43 | .708 | 12664 | 22.7 | 26 | 1N | | C | 1048 | 1.75 | 2.40 | | | F |
| CRON | 19 | 1040 | 1050D | 1044 | S18 | E48 | .765 | 12664 | 23.0 | 10D | 1N | | | | | | | | |
| CANR | 19 | 1040 | 1110 | 1045 | S17 | E46 | .741 | 12664 | 22.9 | 30 | 1N | | | 1045 | 2.06 | 2.60 | | | |
| UPIC | 19 | 1041 | 1051D | 1044U | S16 | E46 | .739 | 12664 | 22.9 | 10D | 1B | | P | 1044 | 2.10 | | | | |
| WEND | 19 | 1042E | 1108 | | S18 | E46 | .744 | 12664 | 22.9 | 26D | 2N | | P | | 8.25 | | | | |
| 238 RAMY | 19 | 1111E | 1119 | | S18 | E42 | .700 | 12664 | 22.6 | 8D | --F | 3 | C | | | | | | DE 4 |
| 239 RAMY | 19 | 1242 | 1315 | 1251 | S18 | E41 | .689 | 12664 | 22.6 | 33 | --F | 3 | C | | 1.02 | | | | DE 3 |
| 241 PALE | 19 | 1934 | 1959 | 1943U | S18 | E37 | .642 | 12664 | 22.6 | 25 | --N | 3 | C | | .72 | | | | F 2 |
| GRP50242 | 19 | 2129 | 2156 | 2135 | S18 | E35 | .618 | 12664 | 22.5 | 27 | --F | | | | .39 | | | | 2 2 2 2 |
| BOUL | 19 | 2128 | 2155 | 2137 | S18 | E34 | .606 | 12664 | 22.4 | 27 | -F | | C | 2137 | .32 | .39 | | | |
| PALE | 19 | 2129 | 2157 | 2133U | S17 | E35 | .613 | 12664 | 22.5 | 28 | -F | 2 | C | | .45 | | | | F |
| 243 MITK | 20 | 0336 | 0345 | 0340 | S18 | E30 | .556 | 12664 | 22.4 | 9 | -N | | C | 0340 | 1.34 | 1.60 | | | E 3 |
| 244 TEHR | 20 | 0714E | 0720 | 0715U | S19 | E24 | .489 | 12664 | 22.1 | 6D | --N | 3 | V | | .41 | | | | F 3 |
| 247 HUAN | 20 | 1211 | 1318D | | S18 | E23 | .469 | 12664 | 22.2 | 67D | --F | 1 | P | 1318 | .46 | .53 | | | E 2 |
| 248 RAMY | 20 | 1321 | 1340 | 1326 | S17 | E26 | .498 | 12664 | 22.5 | 19 | --F | 4 | C | | .65 | | | | DE 1 |
| 249 RAMY | 20 | 1906 | 1919 | 1910 | N10 | E24 | .447 | 12662 | 22.6 | 13 | --F | 3 | C | | .37 | | | | DE 2 |
| 250 PALE | 20 | 1947E | 1954D | 1947 | S19 | E18 | .420 | 12664 | 22.2 | 7D | --N | 2 | C | | .29 | | | | DE 3 |
| GRP50251 | 20 | 2149 | 2159 | 2151 | S18 | E25 | .493 | 12664 | 22.8 | 10 | --F | | | | .35 | | | | 1 1 1 2 |
| PALE | 20 | 2148 | 2159 | 2151 | S18 | E25 | .493 | 12664 | 22.8 | 11 | -F | 2 | C | | .35 | | | | DE |
| PALE | 20 | 2149E | 2159 | 2151 | S18 | E26 | .506 | 12664 | 22.9 | 10D | -F | 2 | V | | .31 | | | | DE |
| GRP50252 | 20 | 2155 | 2207 | 2157 | S15 | E19 | .392 | 12664 | 22.3 | 12 | --F | | | | .26 | | | | 2 2 2 3 |
| TEHR | 20 | 2155 | 2207 | 2157 | S14 | E19 | .384 | 12664 | 22.3 | 12 | -F | 3 | V | | .26 | | | | DE |
| PALE | 20 | 2155 | 2207 | 2157 | S15 | E19 | .392 | 12664 | 22.3 | 12 | -F | 2 | C | | .26 | | | | DE |
| GRP50253 | 20 | 2248 | 2307 | 2254 | S18 | E15 | .376 | 12664 | 22.1 | 19 | -N | | | | 1.14 | | | | 2 2 2 3 |
| CRON | 20 | 2248 | 2305 | 2252 | S18 | E15 | .376 | 12664 | 22.1 | 17 | -N | | | | .62 | | | | |
| PALE | 20 | 2249E | 2308 | 2255U | S18 | E15 | .376 | 12664 | 22.1 | 19D | -N | 2 | V | | 1.65 | | | | U F |
| GRP50256 | 21 | 0145 | 0200 | 0147 | S18 | E18 | .408 | 12664 | 22.4 | 15 | --F | | | | 1.14 | | | | 2 2 2 5 |
| MITK | 21 | 0145 | 0200 | 0147 | S17 | E18 | .398 | 12664 | 22.4 | 15 | -F | | C | 0147 | 1.44 | 1.60 | | | E |
| CRON | 21 | 0145 | 0156D | | S18 | E18 | .408 | 12664 | 22.4 | 11D | -N | | | | .83 | | | | |
| GRP50258 | 21 | 0408 | 0449 | 0423 | S19 | E15 | .367 | 12664 | 22.3 | 41 | 1N | | | | 2.38 | | | | 2 2 2 5 |
| MITK | 21 | 0408 | 0450 | 0422 | S19 | E14 | .377 | 12664 | 22.2 | 42 | 1N | | C | 0450 | 2.48 | 2.70 | | | E |
| CRON | 21 | 0416E | 0448 | 0423 | S18 | E16 | .386 | 12664 | 22.4 | 32D | 1N | | | | 2.27 | | | | |
| GRP50259 | 21 | 0453 | 0510 | 0457 | S12 | W07 | .216 | 12661 | 20.7 | 17 | --N | | | | .71 | | | | 2 2 2 5 |
| MITK | 21 | 0449 | 0504 | 0453 | S13 | W07 | .230 | 12661 | 20.7 | 15 | -N | | C | 0453 | .52 | .50 | | | D |
| ABST | 21 | 0457 | 0515 | 0501 | S11 | W07 | .202 | 12661 | 20.7 | 18 | -N | | P | 0501 | .90 | .90 | | | D |
| 262 CANR | 21 | 1255 | 1300 | 1255 | S16 | E09 | .290 | 12664 | 22.2 | 5 | --N | | | 1255 | .62 | .60 | | | 3 |
| 265 PALE | 21 | 2003 | 2032D | 2006 | S18 | E05 | .294 | 12664 | 22.2 | 29D | --N | 3 | C | | .36 | | | | F 3 |
| 266 PALE | 21 | 2003 | 2032D | 2018 | S18 | E05 | .294 | 12664 | 22.2 | 29D | --N | 3 | C | | .45 | | | | F 3 |
| GRP50268 | 21 | 2248 | 2312 | 2302 | S18 | E03 | .286 | 12664 | 22.2 | 24 | --F | | | | .39 | | | | 2 2 2 3 |
| PALE | 21 | 2248E | 2316 | 2302U | S18 | E03 | .286 | 12664 | 22.2 | 38D | -N | 3 | V | | .46 | | | | F |
| PALE | 21 | 2248E | 2316 | 2248U | S18 | E03 | .286 | 12664 | 22.2 | 28D | -F | 3 | V | | .62 | | | | F |
| CRON | 21 | 2303E | 2307 | | S18 | E03 | .286 | 12664 | 22.2 | 4D | -F | | | | .31 | | | | |

# SOLAR FLARES
## Confirmed

DECEMBER 1973

| OBSERVATORY | OBSERVED UT DATE DEC | START | END | MAX. PHASE | LOCATION APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | McMATH PLAGE REGION | CMP DAY | DURATION MIN. | IMPORTANCE | OBS. COND. | OBS. TYPE | MEASUREMENTS TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hα | MAX. INT. % | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRP50269 | 22 | 0022 | 0027 | 0023 | S19 | E02 | .298 | 12664 | 22.2 | 5 | --N | | | | .42 | | | | 2 2 2 3 |
| MITK | 22 | 0022 | 0025 | 0023 | S19 | E01 | .297 | 12664 | 22.1 | 3 | -B | | C | 0023 | .52 | .50 | | | D |
| CRON | 22 | 0022E | 0029 | | S18 | E03 | .284 | 12664 | 22.2 | 7D | -F | | | | .31 | | | | |
| GRP50270 | 22 | 0112 | 0128 | 0120 | S19 | E03 | .301 | 12664 | 22.3 | 16 | --F | | | | 1.65 | | | | 2 2 2 3 |
| MITK | 22 | 0112 | 0125 | 0120 | S19 | E02 | .298 | 12664 | 22.2 | 13 | 1F | | C | 0120 | 2.99 | 3.10 | | | |
| CRON | 22 | 0112E | 0131 | | S18 | E03 | .284 | 12664 | 22.3 | 19D | -F | | | | .31 | | | | |
| GRP50272 | 22 | 0300 | 0328 | 0306 | S19 | E03 | .301 | 12664 | 22.4 | 28 | --N | | | | .88 | | | | 2 2 2 5 |
| PALE | 22 | 0252E | 0324 | 0314 | S18 | E02 | .282 | 12664 | 22.3 | 32D | -N | 2 | C | | .81 | | | | F |
| PALE | 22 | 0302E | 0324 | 0302U | S18 | E02 | .282 | 12664 | 22.3 | 22D | -N | 2 | V | | .83 | | | | F |
| MITK | 22 | 0307 | 0332 | 0310 | S20 | E04 | .320 | 12664 | 22.4 | 25 | -N | | C | 0310 | .93 | 1.00 | | | E |
| GRP50274 | 22 | 0553 | 0611 | 0600 | S19 | E01 | .297 | 12664 | 22.3 | 18 | --F | | | | 1.37 | | | | 2 2 2 7 |
| ABST | 22 | 0553 | 0611 | 0559 | S18 | E01 | .280 | 12664 | 22.3 | 18 | -F | | C | 0559 | 1.80 | 1.90 | | 56 | EJ |
| MITK | 22 | 0553 | 0610 | 0601 | S19 | E01 | .297 | 12664 | 22.3 | 17 | -N | | C | 0601 | .93 | .90 | | | D |
| 276 ABST | 22 | 0825 | 0850 | 0829 | S18 | E04 | .287 | 12664 | 22.7 | 25 | --F | | C | 0829 | .90 | .90 | | 56 | D 3 |
| 277 ABST | 22 | 0836 | 0845 | 0837 | S19 | W01 | .297 | 12664 | 22.3 | 9 | --N | | C | 0837 | .45 | .50 | | 55 | D 4 |
| | 22 | 1705 | 1714 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 22 | 1923 | 1930 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 22 | 1931 | 1935 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| GRP50278 | 23 | 0104 | 0116 | 0105 | S19 | W10 | .337 | 12664 | 22.3 | 12 | --F | | | | .62 | | | | 2 2 2 3 |
| MITK | 23 | 0104 | 0111 | 0105 | S19 | W09 | .330 | 12664 | 22.4 | 7 | -N | | C | 0105 | .52 | .60 | | | D |
| CRON | 23 | 0104E | 0120 | | S18 | W11 | .332 | 12664 | 22.2 | 16D | -F | | | | .72 | | | | |
| GRP50279 | 23 | 0558 | 0618 | 0606 | S16 | W33 | .580 | 12668 | 20.8 | 20 | -N | | | | .81 | | | | 4 4 4 6 |
| ABST | 23 | 0556 | 0625 | 0610 | S16 | W33 | .580 | 12668 | 20.8 | 29 | -N | | C | 0610 | 1.07 | 1.30 | | 56 | FJ |
| MITK | 23 | 0558 | 0617 | 0606 | S16 | W34 | .592 | 12668 | 20.7 | 19 | -N | | C | 0606 | 1.34 | 1.70 | | | D |
| CRON | 23 | 0558E | 0616 | 0602 | S16 | W31 | .554 | 12668 | 20.9 | 18D | -N | | | | .62 | | | | |
| TEHR | 23 | 0559 | 0613 | 0605 | S14 | W32 | .557 | 12668 | 20.8 | 14 | -N | 2 | C | | .19 | | | | DE |
| GRP50281 | 23 | 0751 | 0816 | 0756 | S16 | W35 | .605 | 12668 | 20.7 | 25 | -B | | | | .88 | | | | 4 4 4 6 |
| ABST | 23 | 0750 | 0815 | 0753 | S16 | W36 | .618 | 12668 | 20.6 | 25 | -B | | C | 0753 | 1.07 | 1.30 | | 62 | EJ |
| TEHR | 23 | 0752 | 0812 | 0755 | S14 | W35 | .597 | 12668 | 20.7 | 20 | -N | 2 | C | | .45 | | | | DE |
| CRON | 23 | 0752 | 0820 | | S16 | W32 | .567 | 12668 | 20.9 | 28 | -N | | | | .83 | | | | |
| CATA | 23 | 0800E | 0805D | 0800 | S18 | W35 | .615 | 12668 | 20.7 | 5D | -B | | | 0800 | 1.16 | 1.46 | | (204) | |
| 283 RAMY | 23 | 1416 | 1423D | 1423U | S16 | W40 | .667 | 12668 | 20.6 | 7D | --F | 3 | C | | .31 | | | | DE 2 |
| | 23 | 1716 | 1719 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 23 | 1841 | 1848 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 23 | 1953 | 2000 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| GRP50284 | 23 | 2332 | 2350 | 2335 | S16 | W44 | .714 | 12668 | 20.7 | 18 | --N | | | | .57 | | | | 2 2 2 3 |
| MANI | 23 | 2332E | 2354 | 2334 | S16 | W44 | .714 | 12668 | 20.7 | 22D | -N | 2 | | 2334 | .62 | .87 | | | F |
| CRON | 23 | 2333E | 2345 | 2335 | S15 | W43 | .700 | 12668 | 20.8 | 12D | -N | | | | .52 | | | | |
| | 24 | 1308 | 1330 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 24 | 1410 | 1412 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 24 | 1417 | 1420 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| 291 RAMY | 24 | 1518 | 1537 | 1523 | S16 | W53 | .809 | 12668 | 20.7 | 19 | --F | 3 | C | | .46 | | | | DE 2 |
| 292 RAMY | 24 | 1823 | 1838 | 1825 | S15 | W36 | .613 | 12664 | 22.1 | 15 | --F | 4 | C | | .56 | | | | DE H 1 |
| 293 RAMY | 24 | 2110 | 2119 | 2111 | S16 | W40 | .666 | 12664 | 21.9 | 9 | --F | 3 | C | | .37 | | | | DE H 1 |
| | 24 | 2144 | 2217 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| 294 BOUL | 24 | 2222 | 2232 | 2225 | S19 | W44 | .723 | 12664 | 21.6 | 10 | --F | | C | 2225 | .32 | .44 | | | 2 |
| 295 MITK | 25 | 0004 | 0015 | 0011 | S16 | W41 | .678 | 12664 | 21.9 | 11 | --N | | C | 0011 | .62 | .80 | | | D 3 |
| 296 MITK | 25 | 0040 | 0049 | 0041 | S16 | W42 | .690 | 12664 | 21.9 | 9 | --F | | C | 0041 | .72 | 1.00 | | | DH 3 |
| 297 MITK | 25 | 0132 | 0143 | 0136 | S16 | W42 | .690 | 12664 | 21.9 | 11 | --F | | C | 0136 | 1.03 | 1.40 | | | DH 3 |
| 300 ABST | 25 | 0819 | 0830 | 0821 | S18 | W48 | .762 | 12664 | 21.7 | 11 | -N | | C | 0821 | .90 | 1.40 | | 61 | DH 3 |

# SOLAR FLARES
## Confirmed

DECEMBER 1973

| OBSERVATORY | OBSERVED UT DATE DEC | START | END | MAX. PHASE | LOCATION APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | McMATH PLAGE REGION | CMP DAY | DURATION MIN. | IMPORTANCE | OBS. COND. | OBS. TYPE | MEASUREMENTS TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Ha | MAX. INT. % | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 302 ARCE | 25 | 1355E | 14100 | | S18 | W45 | .730 | 12664 | 22.2 | 150 | --N | | C | 1400 | .31 | .40 | | | 2 |
| 303 RAMY | 25 | 1534 | 1554 | 1538 | S15 | W66 | .916 | 12668 | 20.7 | 20 | --N | 4 | C | | .23 | | | | DE 1 |
| | 25 | 1859 | 1907 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 25 | 1917 | 1939 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| GRP50304 | 25 | 2013 | 2039 | 2017 | S16 | W49 | .768 | 12664 | 22.2 | 26 | 1F | | | | 1.77 | | | | 2 2 2 2 |
| RAMY | 25 | 2013 | 2039D | 2016 | S16 | W48 | .757 | 12664 | 22.2 | 26D | 1F | 3 | C | | 1.86 | | | | F |
| PALE | 25 | 2013 | 2037D | 2018 | S15 | W50 | .777 | 12664 | 22.1 | 24D | 1N | 3 | C | | 1.68 | | | | U F |
| | 25 | 2039 | 2051 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| 2 STATIONS REPORTING GROUP 50305. 1 STATIONS OBSERVING AND NOT REPORTING. | | | | | | | | | | | | | | | | | | | |
| GRP50305 | 25 | 2104 | 2129 | 2110 | S17 | W51 | .791 | 12664 | 22.1 | 25 | --F | | | | .52 | | | | 2 2 2 3 |
| RAMY | 25 | 2104 | 2130 | 2105 | S17 | W50 | .780 | 12664 | 22.1 | 26 | -F | 3 | C | | .23 | | | | DE |
| PALE | 25 | 2112E | 2127 | 2114 | S16 | W51 | .789 | 12664 | 22.1 | 15D | -N | 3 | C | | .81 | | | | DE |
| 305 PALE | 25 | 2112E | 2127 | 2114U | S17 | W44 | .716 | 12664 | 22.6 | 15D | *-F | 3 | C | | .22 | | | | DE 3 |
| 306 ABST | 26 | 0719 | 0730 | 0720 | S17 | W56 | .838 | 12664 | 22.1 | 11 | --F | | C | 0720 | .90 | 1.60 | | 52 | E 4 |
| GRP50307 | 26 | 0719 | 0738 | 0725 | S13 | W73 | .956 | 12668 | 20.8 | 19 | 1F | | | | 1.53 | | | | 3 3 3 4 |
| ABST | 26 | 0719 | 0735 | 0724 | S13 | W70 | .940 | 12668 | 21.1 | 16 | 1N | | C | 0724 | 1.80 | | | 59 | D |
| CRON | 26 | 0722E | 0735 | 0722E | S15 | W74 | .961 | 12668 | 20.8 | 13D | 1F | | | 0722 | 1.86 | | | | |
| TEHR | 26 | 0730E | 0745 | 0730U | S12 | W74 | .961 | 12668 | 20.8 | 15D | -F | 4 | V | | .93 | | | | F |
| 308 ABST | 26 | 1059 | 1115 | 1100 | S16 | W57 | .845 | 12664 | 22.2 | 16 | --F | | C | 1100 | .90 | 1.70 | | 52 | E 4 |
| GRP50310 | 26 | 1233 | 1251 | 1233 | N07 | W64 | .903 | 12662 | 21.7 | 18 | --F | | | | .46 | | | | 2 1 1 4 |
| RAMY | 26 | 1233E | 1251D | 1233U | N07 | W64 | .903 | 12662 | 21.7 | 18D | -F | 3 | C | | .46 | | | | DE |
| CANR | 26 | 1236 | 1240 | 1237 | N08 | W51 | .787 | 12662 | 22.7 | 4 | -F | | | 1237 | .52 | .75 | | | |
| GRP50311 | 26 | 1350 | 1400 | 1350 | S14 | W90 | 1.000 | 12668 | 19.8 | 10 | --F | | | | .29 | | | | 2 1 1 2 |
| CATA | 26 | 1350 | 1400 | 1350 | S14 | W90 | 1.000 | 12668 | 19.8 | 10 | -F | | | 1350 | .29 | | | (126) | |
| RAMY | 26 | 1355E | 1410 | 1355U | S13 | W80 | .984 | 12668 | 20.6 | 15D | -N | 3 | C | | .56 | | | | DE |
| | 26 | 1451 | 1505 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| 312 RAMY | 26 | 1725 | 1736 | 1728 | N07 | W67 | .924 | 12662 | 21.7 | 11 | --F | 4 | C | | .28 | | | | DE 3 |
| | 26 | 1916 | 1927 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| GRP50313 | 26 | 2331 | 2344 | 2336 | S17 | W63 | .895 | 12664 | 22.3 | 13 | --F | | | | .66 | | | | 3 3 3 3 |
| PALE | 26 | 2331 | 2342 | 2333 | S17 | W62 | .888 | 12664 | 22.3 | 11 | -F | 3 | V | | .83 | | | | DE |
| CRON | 26 | 2337E | 2345 | | S16 | W64 | .902 | 12664 | 22.2 | 8D | -F | | | | .62 | | | | |
| MANI | 26 | 2339E | 2345D | 2339U | S18 | W62 | .889 | 12664 | 22.3 | 6D | -N | 1 | | 2339 | .52 | 1.02 | | | |
| 314 CRON | 27 | 0432E | 0445 | 0435 | N07 | W73 | .958 | 12662 | 21.7 | 13D | --N | | | | .31 | | | | 2 |
| GRP50315 | 27 | 1046 | 1057 | 1049 | S15 | W80 | .984 | 12669 | 21.4 | 11 | -B | | | | .50 | | | | 2 2 2 3 |
| MONT | 27 | 1045E | 1057D | 1048 | S15 | W80 | .984 | 12669 | 21.4 | 12D | -B | | C | 1048 | .72 | | | | H |
| TEHR | 27 | 1046 | 1049D | 1049U | S14 | W79 | .981 | 12669 | 21.5 | 3D | -N | 3 | C | | .28 | | | | DE |
| 316 RAMY | 27 | 1610 | 1619 | 1612 | S18 | W78 | .978 | 12664 | 21.8 | 9 | --F | 3 | C | | .37 | | | | DE 2 |
| 317 PALE | 27 | 2011 | 2021D | 2017 | S13 | W78 | .977 | 12664 | 22.0 | 10D | -N | 3 | V | | .85 | | | | DE 2 |
| GRP50318 | 27 | 2247 | 2258 | 2252 | S15 | W83 | .992 | 12664 | 21.7 | 11 | -N | | | | .40 | | | | 2 2 2 2 |
| PALE | 27 | 2241 | 2256 | 2252 | S14 | W83 | .992 | 12664 | 21.7 | 15 | -N | 3 | V | | .48 | | | | DE |
| PALE | 27 | 2241 | 2256 | 2244 | S14 | W83 | .992 | 12664 | 21.7 | 15 | -F | 3 | V | | .47 | | | | DE |
| CRON | 27 | 2252 | 2259 | | S15 | W83 | .992 | 12664 | 21.7 | 7 | -N | | | | .31 | | | | |
| | 28 | 1620 | 1623 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 28 | 2213 | 2245 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 29 | 1839 | 1849 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 29 | 1851 | 1855 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 29 | 1900 | 1907 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 29 | 2111 | 2112 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 29 | 2113 | 2132 | NO FLARE PATROL | | | | | | | | | | | | | | | |
| | 29 | 2233 | 2248 | NO FLARE PATROL | | | | | | | | | | | | | | | |

# SOLAR FLARES
## Confirmed

DECEMBER 1973

| OBSERV-ATORY | OBSERVED UT DATE DEC | START | END | MAX. PHASE | LOCATION APPROX. LAT. | APPROX. MER. DIST. | CENTRAL DISTANCE | MCMATH PLAGE REGION | CMP DAY | DURATION MIN. | IMPORTANCE | OBS. COND. TYPE | MEASUREMENTS TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hα | MAX. INT. % | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 29 | 2252 | 2335 | NO FLARE PATROL | | | | | | | | | | | | | | |
| | 30 | 0722 | 0811 | NO FLARE PATROL | | | | | | | | | | | | | | |
| | 30 | 0815 | 0819 | NO FLARE PATROL | | | | | | | | | | | | | | |
| 319 RAMY | 30 | 1219E | 1234 | 1219U | N23 | W71 | .960 | 12676 | 25.2 | 15D | --F | 4 C | | .19 | | | | DE 2 |

Note:
A line of explanation has been added before each flare event having more than one maxima. The total number of stations reporting some part of the event is given. The number of stations observing at the time of the principal maximum but not reporting the event is given in the second statement. Care should be exercised in utilizing the numbers in the remarks column. The first number is the number of stations reporting the individual maximum, and not the total number of stations reporting some part of the flare event. The last number is the number of stations reporting at the time of the individual maximum and not necessarily the total number of stations observing during the flare event. GRP numbers may appear several times in order to indicate secondary maxima. An asterisk beside an importance indicates a secondary maximum. The word "GRP" has also been omitted to aid in pointing to this condition.
When it is impossible to determine the time of Maximum Phase from the individual reports the time of Area Measurements is used. This time appears in parentheses. For Flares reported by only one station the last 3 digits of the group number appear to the left of the station code.

In the importance column "--" signifies the subflare has been confirmed by the NOAA grouping program but is not included in the I.A.U. Quarterly Bulletin on Solar Activity. These subflares are also not included in the Flare Index below.

### DAILY FLARE INDICES

| Date | Flare Index | HR OBS | Date | Flare Index | HR OBS | Date | Flare Index | HR OBS |
|---|---|---|---|---|---|---|---|---|
| 731201 | 0.00 | 23.2 | 731210 | 0.00 | 22.5 | 731222 | 0.00 | 23.7 |
| 731202 | 34.40 | 23.2 | 731212 | 24.40 | 24.0 | 731223 | 7.55 | 23.7 |
| 731203 | 5.43 | 24.0 | 731214 | 0.23 | 24.0 | 731224 | 0.00 | 23.0 |
| 731204 | 0.00 | 23.7 | 731216 | 9.59 | 22.1 | 731225 | 20.81 | 23.3 |
| 731205 | 0.00 | 24.0 | 731217 | 8.77 | 24.0 | 731226 | 12.35 | 23.6 |
| 731206 | 0.00 | 23.9 | 731218 | 4.38 | 23.6 | 731227 | 5.98 | 24.0 |
| 731207 | 0.00 | 23.9 | 731219 | 97.53 | 24.0 | 731228 | 0.00 | 23.4 |
| 731208 | 0.00 | 23.5 | 731220 | 16.34 | 24.0 | 731229 | 0.00 | 22.4 |
| 731209 | 0.00 | 23.3 | 731221 | 29.90 | 24.0 | 731230 | 0.00 | 23.1 |
| | | | | | | 731231 | 0.00 | 18.8 |

When no Flare Index is given, it is 0 for that day.

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 a 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 calcium II lines H and K.
P = Flare shows helium $D_3$ in emission.
Q = Flare shows the Balmer continuum in emission.
R = Marked assymetry in Hα line suggests ejection of high velocity material.
S = Brightness follows disappearance of filament (same position).
T = Region active all day.
U = Two bright branches, parallel (||) or converging (Y).
V = Occurrence of an explosive phase: important and abrupt expansion in about a minute with or without important intensity increase.
W = Great increase in area after time of maximum intensity.
X = Unusually wide Hα line.
Y = System of loop-type prominences.
Z = Major sunspot umbra covered by flare.

# SOLAR FLARES
## Unconfirmed

DECEMBER 1973

| OBSERV-ATORY | OBSERVED UT | | | | LOCATION | | | | | DURA-TION | IM-POR-TANCE | OBS. | | MEASUREMENTS | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DATE DEC | START | END | MAX. PHASE | APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | MCMATH PLAGE REGION | CMP DAY | MIN. | | COND. | TYPE | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hα | MAX. INT. % | |
| 157 ABST | 01 | 0714 | 0812 | 0756 | N06 | W85 | .996 | 12636 | 24.9 | 58 | 1N | | C | 0756 | .90 | | | 87 | DK 4 |
| 167 MCMA | 02 | 1340E | 1425 | 1349 | S15 | W64 | .908 | 12628 | 27.8 | 45D | -F | | C | 1349 | .62 | 1.50 | | | E 4 |
| 171 RAMY | 02 | 2010E | 2020D | | S14 | W67 | .927 | 12628 | 27.8 | 10D | -N | 2 | V | | | | | | DE 3 |
| 173 MANI | 03 | 0118E | 0125 | 0118U | S12 | W70 | .943 | 12628 | 27.8 | 7D | -N | 1 | | 0118 | .83 | 1.77 | | | 4 |
| 177 MITK | 03 | 0433 | 0456 | 0440 | S14 | W72 | .955 | 12628 | 27.8 | 23 | -F | | C | 0440 | .52 | | | | OH 4 |
| 178 MITK | 03 | 0509 | 0518 | 0511 | S14 | W73 | .960 | 12628 | 27.7 | 9 | -N | | C | 0511 | .52 | | | | OH 3 |
| 179 TEHR | 03 | 0621 | 0628 | 0623 | S13 | W67 | .926 | 12628 | 28.2 | 7 | -N | 2 | C | | .73 | | | | DE 5 |
| 180 RAMY | 03 | 1753E | 1802 | 1754 | S13 | W85 | .997 | 12628 | 27.4 | 9D | -N | 3 | C | | | | | | DE 4 |
| 181 MONT | 04 | 0850E | 0900D | 0852 | S14 | W87 | .999 | 12628 | 27.8 | 10D | -N | | C | 0852 | .41 | | | | EK 5 |
| 182 ATHN | 04 | 1055E | 1108 | 1056 | S13 | W90 | 1.000 | 12628 | 27.7 | 13D | -N | 2 | C | | | | | | DE 4 |
| 183 CANR | 04 | 1142 | 1222 | 1206 | S13 | W90 | 1.000 | 12628 | 27.7 | 40 | 1B | | | 1206 | .83 | 3.20 | | | 4 |
| 184 RAMY | 04 | 1537 | 1544 | | S13 | W90 | 1.000 | 12628 | 27.9 | 7 | -N | 3 | C | | | | | | DE 3 |
| 186 MITK | 07 | 0225 | 0231 | 0226 | N08 | E27 | .470 | 12646 | 9.1 | 6 | -N | | C | 0226 | .52 | .60 | | | DG 6 |
| 188 MANI | 08 | 0719E | 0722D | 0719U | N08 | E19 | .351 | 12646 | 9.7 | 3D | -F | 2 | | 0719 | .52 | .56 | | | 5 |
| 191 ATHN | 10 | 0803 | 0810 | 0805 | N02 | E80 | .985 | 12656 | 16.3 | 7 | -F | 2 | C | | .33 | | | | DE 4 |
| 192 TEHR | 11 | 0803 | 0807D | 0806U | N03 | E80 | .985 | 12658 | 17.3 | 4D | -F | 2 | C | | .23 | | | | DE 5 |
| 197 RAMY | 15 | 1511 | 1528 | 1513 | N01 | W28 | .470 | 12651 | 13.5 | 17 | -F | 4 | C | | .46 | | | | DE 4 |
| 198 PALE | 15 | 1829E | 1844 | 1832 | S00 | W31 | .515 | 12651 | 13.4 | 15D | -F | 3 | V | | .21 | | | | DE 3 |
| 202 TEHR | 16 | 0750 | 0803 | 0752 | N07 | E72 | .953 | 12662 | 21.7 | 13 | -N | 3 | V | | .50 | | | | DE 4 |
| 212 PALE | 17 | 0257 | 0306 | 0300 | S15 | E57 | .847 | 12669 | 21.4 | 9 | -N | 2 | C | | .19 | | | | 5 |
| 222 MCMA | 17 | 1523 | 1527 | 1524 | S18 | E66 | .920 | 12664 | 22.6 | 4 | -F | | C | 1524 | .21 | .60 | | | D 5 |
| GRP50226 | 17 | 2355 | 0007 | 0001 | S18 | E75 | .968 | 12665 | 23.6 | 12 | -N | | | | .41 | | | | 1 1 1 4 |
| PALE | 17 | 2355 | 0007 | 0001 | S18 | E75 | .968 | 12665 | 23.6 | 12 | -N | 3 | V | | .41 | | | | F |
| PALE | 17 | 2355 | 0007 | 2356 | S18 | E75 | .968 | 12665 | 23.6 | 12 | -F | 3 | V | | .31 | | | | F |
| 227 CANR | 18 | 1238 | 1246 | 1240 | S10 | E87 | .998 | 12666 | 25.1 | 8 | -F | | | 1240 | .31 | 1.00 | | | 4 |
| 236 UPIC | 19 | 1026 | 1036 | 1029 | S17 | E42 | .697 | 12664 | 22.6 | 10 | -N | | P | 1029 | .85 | | | | 5 |
| 240 BOUL | 19 | 1700 | 1708 | 1705 | S16 | E42 | .693 | 12664 | 22.9 | 8 | -F | | V | 1705 | | .70 | | | 4 3 |
| 245 CRON | 20 | 0908E | 0913 | | S18 | E24 | .481 | 12664 | 22.2 | 5D | -F | | | | .31 | | | | 6 |
| 246 CRON | 20 | 0954E | 0959 | | S18 | E24 | .481 | 12664 | 22.2 | 5D | -F | | | | .31 | | | | 5 |
| 254 PALE | 20 | 2349E | 0004 | 2351 | S15 | E21 | .418 | 12664 | 22.6 | 15D | -F | 2 | V | | .52 | | | | DE 4 |
| 255 MITK | 21 | 0102 | 0114 | 0106 | S19 | E17 | .408 | 12664 | 22.3 | 12 | 1F | | C | 0106 | 2.06 | 2.20 | | | 6 |
| 257 MITK | 21 | 0302 | 0315 | 0305 | S20 | E15 | .399 | 12664 | 22.3 | 13 | -F | | C | 0305 | 1.24 | 1.30 | | | E 6 |
| 260 ABST | 21 | 0516 | 0525 | 0518 | S17 | E16 | .374 | 12664 | 22.4 | 9 | -F | | C | 0518 | .99 | 1.10 | | 55 | D 6 |
| 261 ABST | 21 | 0601 | 0632 | 0604 | S17 | E15 | .363 | 12664 | 22.4 | 31 | 1N | | C | 0604 | 4.23 | 4.50 | | 65 | FJ 6 |
| 263 HUAN | 21 | 1552 | 1556D | | S19 | E09 | .333 | 12664 | 22.3 | 4D | -F | 1 | P | 1555 | .46 | .49 | | | 5 |
| 264 PALE | 21 | 1938E | 1952 | 1939 | S18 | E08 | .311 | 12664 | 22.4 | 14D | -F | 3 | C | | .45 | | | | F 4 |
| 267 PALE | 21 | 2215E | 2234 | 2217U | S18 | E01 | .282 | 12664 | 22.0 | 19D | -F | 3 | V | | .46 | | | | F 4 |
| 271 PALE | 22 | 0229E | 0231D | 0230U | S18 | E02 | .282 | 12664 | 22.3 | 2D | -N | 2 | V | | .77 | | | | F 5 |
| 273 ABST | 22 | 0525 | 0530 | 0526 | S16 | E07 | .273 | 12664 | 22.8 | 5 | -N | | C | 0526 | 1.18 | 1.20 | | 55 | DV 6 |
| 275 ABST | 22 | 0632 | 0649 | 0635 | S18 | E01 | .260 | 12664 | 22.3 | 17 | -F | | C | 0635 | 1.80 | 1.90 | | 54 | EJ 5 |
| 280 KODA | 23 | 0658E | 0725 | 0658 | S12 | W30 | .521 | 12669 | 21.0 | 27D | -B | | V | 0658 | | | 2.40 | | EH 4 |

# SOLAR FLARES
## Unconfirmed
### DECEMBER 1973

| OBSERV-ATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION MIN. | IMPORTANCE | OBS. COND. TYPE | | MEASUREMENTS | | | | | REMARKS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DATE DEC | START | END | MAX. PHASE | APPROX. LAT. | APPROX. MER. DIST. | CENTRAL DISTANCE | MCMATH PLAGE REGION | CMP DAY | | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hα | MAX. INT. % | | |
| 282 RAMY | 23 | 1129E | 1139 | 1132 | S17 | W37 | .634 | 12668 | 20.7 | 10D | -F | 2 | C | | .52 | | | | DE | 6 |
| 285 MANI | 24 | 0053 | 0120 | 0058 | S12 | W39 | .642 | 12669 | 21.1 | 27 | -F | 2 | | 0058 | .41 | .54 | | | F | 3 |
| 286 MITK | 24 | 0353 | 0418 | 0402 | S16 | W48 | .758 | 12668 | 20.6 | 25 | -F | | C | 0402 | .83 | 1.30 | | | D | 7 |
| 287 KODA | 24 | 0443 | 0515 | 0443 | S15 | W45 | .722 | 12668 | 20.8 | 32 | -N | | V | 0443 | | | 1.88 | | D | 6 |
| 288 ABST | 24 | 0654 | 0710D | 0700 | S16 | W49 | .768 | 12668 | 20.6 | 16D | -N | | P | 0700 | .90 | 1.40 | | | D | 7 |
| 289 ABST | 24 | 0738E | 0755D | 0743 | S16 | W49 | .768 | 12668 | 20.6 | 17D | -N | | P | 0743 | .90 | 1.40 | | | E | 6 |
| 290 ABST | 24 | 1045 | 1059D | 1048 | S16 | W51 | .789 | 12668 | 20.6 | 14D | 1N | | P | 1048 | 1.53 | 2.50 | | | F | 6 |
| 298 ABST | 25 | 0633 | 0640 | 0635 | S16 | W44 | .713 | 12664 | 22.0 | 7 | -F | | C | 0635 | .90 | 1.30 | | | DJ | 4 |
| 299 ABST | 25 | 0708 | 0716 | 0710 | S17 | W64 | .903 | 12668 | 20.5 | 8 | 1F | | C | 0710 | 1.62 | 3.60 | | 66 | EJ | 4 |
| 301 ABST | 25 | 1037 | 1044 | 1038 | S17 | W45 | .727 | 12664 | 22.1 | 7 | -N | | C | 1038 | .90 | 1.30 | | 69 | OVZ | 4 |
| 309 TEHR | 26 | 1125E | 1133 | 1126U | S16 | W54 | .818 | 12664 | 22.4 | 8D | -N | 3 | V | | .17 | | | | DE | 3 |