

SOLAR FLARES
Confirmed
JANUARY 1972

| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | DURATION MIN. | IM-POR-TANCE | OBS. COND. | OBS. TYPE | MEASUREMENTS | | | | REMARKS | | | | |
|-------------|-------------|-------|-------|------------|--------------|------------|------------------|---------------------|---------------|--------------|------------|-----------|--------------|---------|---------------------|---------------------|---------|-----------------------|-------------|-----|----|
| | DATE | START | END | MAX. PHASE | APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | MCMATH PLAGE REGION | | | | | CMP DAY | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | | MAX. WIDTH H α | MAX. INT. % | | |
| 942 | 1972 JAN 01 | 1741E | 1746D | 1742 | S09 | W18 | .323 | 11666 | 31.4 | 50 | --F | 2 | C | .36 | | | | D | 2 | | |
| 946 | 02 | 1516 | 1534 | 1518 | S14 | W84 | .993 | 11660 | 27.3 | 18 | --F | 3 | C | | | | | D | 3 | | |
| 947 | 02 | 2218E | 2222 | 2218 | S17 | E23 | .446 | 11671 | 4.7 | 40 | -N | 2 | C | .91 | | | | D | 1 | | |
| 948 | 03 | 0301 | 0314 | 0304 | S14 | E58 | .850 | 11675 | 7.5 | 13 | --F | 2 | C | 0304 | .32 | .61 | | | 3 | | |
| 949 | 03 | 0331 | 0337 | 0332 | S13 | E57 | .840 | 11675 | 7.4 | 6 | --F | 2 | C | 0332 | .22 | .40 | | | 3 | | |
| GRP41950 | 03 | 0728 | 0806 | 0734 | S06 | W46 | .718 | 11666 | 30.9 | 38 | -F | | | .72 | | | | 5 | 4 | 4 | 6 |
| CRON | 03 | 0727 | 0800 | 0732 | S04 | W45 | .706 | 11666 | 30.9 | 33 | -F | 2 | C | 0732 | .65 | .90 | | | | | |
| CAPE | 03 | 0728 | 0810 | 0734 | S06 | W46 | .718 | 11666 | 30.9 | 42 | -N | | C | 0734 | .86 | 1.20 | | | | | |
| TEHR | 03 | 0729 | 0807 | 0737 | S11 | W46 | .722 | 11666 | 30.9 | 38 | -N | 2 | C | | .36 | | | F | | | |
| ATHN | 03 | 0732E | 0744D | 0732 | S03 | W48 | .742 | 11666 | 30.7 | 12D | -F | 2 | C | | .99 | | | D | | | |
| CATA | 03 | 0750E | 0805D | 0755 | S08 | W46 | .719 | 11666 | 30.9 | 15D | 1N | | P | 0755 | 1.44 | 2.12 | | | 197 | | |
| GRP41951 | 03 | 0950 | 1008 | 1000 | S16 | E16 | .346 | 11671 | 4.6 | 18 | -N | | | .96 | | | | 7 | 6 | 6 | 11 |
| CANR | 03 | 0947 | 1012 | 0958 | S18 | E14 | .344 | 11671 | 4.5 | 25 | -B | 3 | C | 0958 | .32 | .34 | | | | | |
| TEHR | 03 | 0949 | 1011 | 0958 | S15 | E18 | .363 | 11671 | 4.8 | 22 | -N | 2 | C | | .28 | | | F | | | |
| CAPE | 03 | 0950 | 1008 | 1001 | S15 | E16 | .337 | 11671 | 4.6 | 18 | -F | | C | 1001 | .99 | 1.10 | | | H | | |
| HTPR | 03 | 0955 | 1001D | | S16 | E15 | .334 | 11671 | 4.5 | 6D | -N | | C | 1001 | 1.65 | 1.70 | | | E | | |
| CRON | 03 | 0957E | 1002 | | S17 | E15 | .345 | 11671 | 4.5 | 5D | -N | 3 | V | 0957 | 1.50 | | | | | | |
| ATHN | 03 | 1004E | 1008 | 1004 | S17 | E15 | .345 | 11671 | 4.5 | 4D | -N | 2 | C | | .99 | | | D | | | |
| CATA | 03 | 1010E | 1020D | 1015 | S17 | E15 | .345 | 11671 | 4.5 | 10D | -N | | P | 1015 | 1.16 | 1.23 | | | 176 | | |
| GRP41952 | 03 | 1043 | 1111 | 1053 | N20 | W13 | .446 | 11668 | 2.5 | 28 | --N | | | 1.23 | | | | 5 | 5 | 5 | 7 |
| HTPR | 03 | 1035 | 1042D | | N22 | W12 | .467 | 11668 | 2.5 | 7D | -F | | C | 1039 | .93 | 1.00 | | | | | |
| CANR | 03 | 1041 | 1108 | 1054 | N21 | W10 | .441 | 11668 | 2.7 | 27 | -B | 2 | C | 1054 | .32 | .36 | | | | | |
| TEHR | 03 | 1042 | 1105 | 1051 | N14 | W20 | .443 | 11668 | 1.9 | 23 | -N | 3 | C | | .09 | | | FH | | | |
| CAPE | 03 | 1045E | 1120 | 1055 | N22 | W11 | .461 | 11668 | 2.6 | 35D | -B | | P | 1055 | .91 | 1.00 | | | | | |
| WEND | 03 | 1050 | 1112 | | N21 | W12 | .453 | 11668 | 2.6 | 22 | 1N | | V | | 4.13 | | | | | | |
| HTPR | 03 | 1102E | 1102D | | N22 | W12 | .467 | 11668 | 2.6 | | -N | | C | 1102 | .72 | .80 | | | | | |
| GRP41953 | 03 | 1722 | 1812 | 1734 | N22 | W16 | .495 | 11668 | 2.5 | 50 | --N | | | .53 | | | | 2 | 2 | 2 | 2 |
| RAMY | 03 | 1722 | 1812 | 1734 | N22 | W15 | .488 | 11668 | 2.6 | 50 | -N | 3 | C | | .46 | | | D | | | |
| CANR | 03 | 1740E | 1740D | | N22 | W16 | .495 | 11668 | 2.5 | | -N | 2 | V | 1740 | .60 | .60 | | | | | |
| 956 | 04 | 1852 | 1906 | 1854 | S19 | E54 | .819 | 11676 | 8.8 | 14 | --N | 2 | C | .27 | | | | | 1 | | |
| GRP41963 | 05 | 1836 | 1843 | 1838 | S07 | W39 | .629 | 11670 | 2.9 | 7 | --F | | | .32 | | | | 2 | 2 | 2 | 4 |
| RAMY | 05 | 1835 | 1846 | 1837 | S06 | W39 | .629 | 11670 | 2.8 | 11 | -F | 2 | C | | .46 | | | D | | | |
| HUAN | 05 | 1836 | 1840 | 1838 | S07 | W38 | .616 | 11670 | 2.9 | 4 | -F | 1 | C | 1838 | .18 | .22 | | | - | | |
| 964 | 05 | 2026 | 2100 | 2030 | N11 | W31 | .560 | 11669 | 3.5 | 34 | --F | 2 | C | .36 | | | | D | 1 | | |
| 965 | 05 | 2122 | 2150D | 2122 | S22 | E41 | .693 | 11676 | 9.0 | 28D | --F | 2 | C | .36 | | | | D | 1 | | |
| GRP41967 | 06 | 0723 | 0743 | 0733 | N11 | W41 | .686 | 11669 | 3.2 | 20 | --N | | | .56 | | | | 2 | 2 | 2 | 5 |
| MANI | 06 | 0723 | 0741 | 0730 | N11 | W37 | .637 | 11669 | 3.5 | 18 | -N | 2 | | 0730 | .62 | .81 | | | | | |
| ATHN | 06 | 0735E | 0744 | 0735 | N11 | W45 | .732 | 11669 | 2.9 | 9D | -N | 1 | C | | .50 | | | D | | | |
| GRP41969 | 06 | 0855 | 0904 | 0900 | S23 | E37 | .652 | 11676 | 9.1 | 9 | --N | | | .62 | | | | 3 | 3 | 3 | 9 |
| MANI | 06 | 0855E | 0902 | 0858 | S24 | E38 | .668 | 11676 | 9.2 | 7D | -F | 2 | | 0858 | .52 | .59 | | | | | |
| CATA | 06 | 0900E | 0905D | 0900 | S24 | E36 | .646 | 11676 | 9.1 | 5D | -N | | P | 0900 | .69 | .91 | | | 172 | | |
| ATHN | 06 | 0901E | 0905 | 0901 | S20 | E38 | .649 | 11676 | 9.2 | 4D | -N | 2 | C | | .66 | | | D | | | |
| GRP41970 | 06 | 1122 | 1140 | 1123 | S21 | E31 | .571 | 11676 | 8.8 | 18 | -N | | | 1.06 | | | | 4 | 3 | 3 | 6 |
| CANR | 06 | 1121 | 1138 | 1122 | S21 | E31 | .571 | 11676 | 8.8 | 17 | -N | 2 | C | 1122 | .65 | .78 | | | | | |
| RAMY | 06 | 1122 | 1140 | 1124 | S21 | E32 | .583 | 11676 | 8.9 | 18 | -N | 2 | C | | 1.50 | | | F | | | |
| CAPE | 06 | 1122 | 1142 | 1124 | S21 | E31 | .571 | 11676 | 8.8 | 20 | -N | | C | 1124 | 1.04 | 1.30 | | | | | |
| CATA | 06 | 1130E | 1140D | 1135 | S21 | E32 | .583 | 11676 | 8.9 | 10D | -N | | P | 1135 | 1.04 | 1.31 | | | 195 | | |
| GRP41971 | 06 | 1330 | 1338 | 1332 | N12 | W41 | .690 | 11669 | 3.5 | 8 | --F | | | .28 | | | | 2 | 2 | 2 | 5 |
| HUAN | 06 | 1329 | 1337 | 1333 | N12 | W42 | .702 | 11669 | 3.4 | 8 | -F | 1 | C | 1333 | .15 | .22 | | | | | |
| CANR | 06 | 1330 | 1339 | 1331 | N12 | W40 | .678 | 11669 | 3.6 | 9 | -F | 2 | V | 1331 | .40 | .60 | | | | | |
| GRP41972 | 06 | 1559 | 1618 | 1603 | S25 | E33 | .619 | 11676 | 9.1 | 19 | --F | | | .29 | | | | 2 | 2 | 2 | 2 |
| MCHA | 06 | 1558 | 1609D | 1601 | S25 | E33 | .619 | 11676 | 9.1 | 11D | -N | | C | 1601 | .26 | .30 | | | D | | |
| RAMY | 06 | 1600 | 1618 | 1604 | S25 | E32 | .609 | 11676 | 9.1 | 18 | -F | 2 | C | | .31 | | | D | | | |
| GRP41973 | 06 | 2324 | 2348 | 2327 | S17 | E26 | .482 | 11676 | 8.9 | 24 | -N | | | 1.40 | | | | 3 | 3 | 3 | 4 |
| CULG | 06 | 2320 | 2351 | 2323 | S21 | E26 | .511 | 11676 | 8.9 | 31 | 1B | | C | 2323 | 1.96 | 2.18 | | | V | | |
| PALE | 06 | 2322E | 2325D | 2325 | S20 | E25 | .491 | 11676 | 8.8 | 3D | -N | 2 | C | | 1.24 | | | F | | | |
| PALE | 06 | 2322E | 2325D | 2325 | S20 | E25 | .491 | 11676 | 8.8 | 3D | -N | 2 | C | | 1.24 | | | F | | | |
| CRON | 06 | 2331 | 2345 | 2333 | S11 | E26 | .451 | 11676 | 8.9 | 14 | -N | 3 | V | | 1.00 | | | F | | | |
| 974 | 06 | 2358 | 0033 | 2359 | N10 | W86 | .998 | 11680 | 31.5 | 35 | 1F | | C | 2359 | .46 | 3.20 | | | 57 | DHJ | 4 |

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| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION MIN. | IMPOR- TANCE | OBS. COND. TYPE | MEASUREMENTS | | | | REMARKS | | | | |
|-----------------------------------|-------------|-------|-------|------------|----------|------------|------------------|---------------------|---------|------------------|---|--------------------|--------------|---------------------|---------------------|---------------|----------|-------------|--|--|--|
| | DATE | START | END | MAX. PHASE | APPROX. | | CENTRAL DISTANCE | MCMATH FLAGE REGION | CMP DAY | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hd | | MAX. INT. % | | | |
| | | | | | LAT. | MER. DIST. | | | | | | | | | | | | | | | |
| | 1972 | | | | | | | | | | | | | | | | | | | | |
| | JAN | | | | | | | | | | | | | | | | | | | | |
| GRP41975 | 07 | 0132 | 0145 | 0135 | S20 | E26 | .502 | 11676 | 9.0 | 13 | --N | | | .58 | | | 2 2 2 4 | | | | |
| MANI | 07 | 0130 | 0147 | 0134 | S18 | E24 | .462 | 11676 | 8.9 | 17 | -F | 2 | 0134 | .31 | .33 | | | | | | |
| MANI | 07 | 0130 | 0147 | 0134 | S18 | E24 | .462 | 11676 | 8.9 | 17 | -F | 2 | 0134 | .31 | .33 | | | | | | |
| VORD | 07 | 0133 | 0143 | 0135 | S21 | E27 | .522 | 11676 | 9.1 | 10 | -B | | 0135 | .84 | .90 | 82 | EJ | | | | |
| GRP41976 | 07 | 0330 | 0411 | 0341 | N12 | W47 | .758 | 11669 | 3.6 | 41 | 1N | | | 1.69 | | | 3 3 3 4 | | | | |
| CULG | 07 | 0330 | 0435 | 0340 | N13 | W45 | .740 | 11669 | 3.8 | 65 | 1N | P | 0340 | 1.55 | 2.32 | | RS | | | | |
| KODA | 07 | 0340E | 0403 | 0340 | N14 | W47 | .764 | 11669 | 3.6 | 23D | 1B | V | 0400 | 3.01 | 3.00 | 1.84 | CEK | | | | |
| MANI | 07 | 0343E | 0356 | 0343 | N10 | W50 | .784 | 11669 | 3.4 | 13D | -F | 2 | 0343 | .52 | .82 | | | | | | |
| GRP41983 | 07 | 1145 | 1155 | 1148 | S22 | E20 | .449 | 11676 | 9.0 | 10 | --F | | | .49 | | | 4 4 3 10 | | | | |
| TEHR | 07 | 1144 | 1200 | 1151 | S22 | E22 | .471 | 11676 | 9.1 | 16 | -F | 1 | | | | 204 | D | | | | |
| CATA | 07 | 1145E | 1155 | 1150 | S22 | E20 | .449 | 11676 | 9.0 | 10D | -N | P | 1150 | .69 | .78 | | | | | | |
| RAMY | 07 | 1146E | 1154 | 1146 | S22 | E19 | .438 | 11676 | 8.9 | 8D | -N | 2 | | .37 | | | F | | | | |
| HTRP | 07 | 1146 | 1151 | 1146 | S22 | E20 | .449 | 11676 | 9.0 | 5 | -F | | 1146 | .41 | .40 | | E | | | | |
| GRP41986 | 07 | 1837 | 1848 | 1840 | S20 | E16 | .384 | 11676 | 9.0 | 11 | --F | | | .41 | | | 2 2 2 4 | | | | |
| MCMA | 07 | 1837 | 1843D | | S20 | E15 | .373 | 11676 | 8.9 | 6D | -F | C | 1840 | .41 | .50 | | EH | | | | |
| PALE | 07 | 1837 | 1848 | 1840 | S20 | E16 | .384 | 11676 | 9.0 | 11 | -F | 3 | | .41 | | | DH | | | | |
| 987 PALE | 07 | 2100 | 2123 | 2105 | N13 | E73 | .963 | 11686 | 13.4 | 23 | --F | 2 | | .19 | | | | | | | |
| GRP41988 | 08 | 0931 | 1000 | 0935 | N09 | W66 | .921 | 11669 | 3.4 | 29 | -N | | | .79 | | | 3 3 3 6 | | | | |
| CATA | 08 | 0930 | 0950D | 0935 | N09 | W64 | .907 | 11669 | 3.6 | 20D | 1N | P | 0935 | 1.16 | 2.74 | 162 | | | | | |
| CAPS | 08 | 0930E | 0952D | | N09 | W65 | .914 | 11669 | 3.5 | 22D | -N | 4 | 0935 | .40 | | | | | | | |
| CANR | 08 | 0932 | 1000 | 0934 | N10 | W68 | .934 | 11669 | 3.3 | 28 | -N | 2 | 0934 | .80 | 1.60 | | | | | | |
| GRP41991 | 08 | 1411 | 1430 | 1415 | S22 | E05 | .323 | 11676 | 9.0 | 19 | -N | | | .83 | | | 2 2 2 2 | | | | |
| RAMY | 08 | 1411 | 1428 | 1415 | S22 | E05 | .323 | 11676 | 9.0 | 17 | -N | 3 | | .65 | | | D | | | | |
| CAPS | 08 | 1414E | 1432D | | S22 | E05 | .323 | 11676 | 9.0 | 18D | -N | 3 | 1414 | 1.00 | 1.40 | 176 | | | | | |
| GRP41995 | 09 | 1201 | 1212 | 1205 | S11 | E22 | .389 | 11682 | 11.2 | 11 | --F | | | .33 | | | 3 3 3 5 | | | | |
| CATA | 09 | 1200E | 1210 | 1205 | S14 | E21 | .391 | 11682 | 11.1 | 10D | -F | P | 1205 | .23 | .25 | 148 | | | | | |
| RAMY | 09 | 1202 | 1212 | 1205 | S12 | E21 | .379 | 11682 | 11.1 | 10 | -F | 2 | | .26 | | | D | | | | |
| CAPS | 09 | 1205E | 1215D | | S08 | E23 | .394 | 11682 | 11.2 | 10D | -F | 3 | 1209 | .50 | .50 | | G | | | | |
| GRP41996 | 09 | 1310 | 1326 | 1315 | S11 | E22 | .389 | 11682 | 11.2 | 16 | --F | | | .98 | | | 2 2 2 4 | | | | |
| CATA | 09 | 1310 | 1325 | 1315 | S14 | E21 | .391 | 11682 | 11.1 | 15 | -N | C | 1315 | .46 | .51 | 170 | | | | | |
| CAPS | 09 | 1313E | 1326D | | S08 | E23 | .394 | 11682 | 11.3 | 13D | -F | 3 | 1314 | 1.50 | 1.60 | 142 | CG | | | | |
| GRP41997 | 09 | 1732 | 1803 | 1736 | S08 | E50 | .765 | 11687 | 13.5 | 31 | --N | | | .54 | | | 3 2 2 4 | | | | |
| RAMY | 09 | 1731 | 1752 | 1736 | S08 | E48 | .742 | 11687 | 13.3 | 21 | -N | 2 | | .67 | | | D | | | | |
| CANR | 09 | 1732 | 1735D | 1735 | S07 | E51 | .775 | 11687 | 13.6 | 3D | -N | 2 | 1735 | .40 | .60 | | | | | | |
| PALE | 09 | 1749E | 1803 | 1749 | S08 | E48 | .742 | 11687 | 13.3 | 14D | -F | 1 | | .36 | | | | | | | |
| 3 STATIONS REPORTING GROUP 41998. | | | | | | | | | | | 0 STATIONS OBSERVING AND NOT REPORTING. | | | | | | | | | | |
| GRP41998 | 09 | 1854 | 1943 | 1906 | S08 | E47 | .730 | 11687 | 13.3 | 49 | --F | | | 1.01 | | | 2 2 2 3 | | | | |
| RAMY | 09 | 1833 | 1940 | 1907 | S08 | E47 | .730 | 11687 | 13.3 | 67 | -F | 2 | C | 1.29 | | | | | | | |
| PALE | 09 | 1854 | 1945 | 1905 | S07 | E47 | .730 | 11687 | 13.3 | 51 | -F | 2 | C | .72 | | | F | | | | |
| 41998 | 09 | 1832 | 1935 | 1855 | S09 | E47 | .731 | 11687 | 13.3 | 63 | *-F | | | .83 | | | 2 1 1 3 | | | | |
| LOCK | 09 | 1832 | 1935 | 1855 | S09 | E47 | .731 | 11687 | 13.3 | 63 | -F | C | | | | | D | | | | |
| RAMY | 09 | 1833 | 1940 | 1837 | S08 | E47 | .730 | 11687 | 13.3 | 67 | -F | 2 | C | .83 | | | | | | | |
| GRP41999 | 09 | 1942 | 2017 | 1950 | S12 | E18 | .335 | 11682 | 11.2 | 35 | --N | | | .31 | | | 3 3 2 3 | | | | |
| RAMY | 09 | 1939 | 2018 | 1944 | S12 | E18 | .335 | 11682 | 11.2 | 39 | -N | 3 | C | .26 | | | D | | | | |
| LOCK | 09 | 1940 | 2015 | 1950 | S12 | E18 | .335 | 11682 | 11.2 | 35 | -F | C | | | | | | | | | |
| PALE | 09 | 1948 | 2018 | 1956 | S13 | E18 | .342 | 11682 | 11.2 | 30 | -N | 3 | C | .36 | | | F | | | | |
| GRP42001 | 10 | 0205 | 0300 | 0221 | S11 | E47 | .732 | 11687 | 13.6 | 55 | -N | | | 2.28 | | | 5 4 4 6 | | | | |
| CULG | 10 | 0204 | 0355 | 0227 | S12 | E48 | .745 | 11687 | 13.7 | 111 | 1B | C | 0227 | 3.20 | 4.49 | | RSU | | | | |
| CRON | 10 | 0205 | 0250 | 0216 | S12 | E47 | .733 | 11687 | 13.6 | 45 | -N | 2 | C | 0216 | 1.29 | 1.88 | | | | | |
| PALE | 10 | 0213E | 0302 | 0218 | S11 | E45 | .708 | 11687 | 13.5 | 49D | -N | 3 | C | 1.34 | | | US | | | | |
| KODA | 10 | 0216E | 0308 | 0223 | S09 | E47 | .731 | 11687 | 13.6 | 52D | 1N | C | 0225 | 3.30 | 3.30 | 1.96 | KU | | | | |
| VORD | 10 | 0221 | 0304 | 0234 | S09 | E47 | .731 | 11687 | 13.6 | 43 | 1N | C | 0234 | 2.03 | 2.90 | 69 | EJ | | | | |
| GRP42003 | 10 | 1428 | 1443 | 1430 | S08 | E35 | .574 | 11687 | 13.2 | 15 | --F | | | .30 | | | 2 2 2 4 | | | | |
| RAMY | 10 | 1425 | 1445 | 1427 | S08 | E33 | .545 | 11687 | 13.1 | 20 | -F | 3 | C | .26 | | | D | | | | |
| ATHN | 10 | 1430 | 1440 | 1433 | S07 | E36 | .587 | 11687 | 13.3 | 10 | -F | 2 | C | .33 | | | D | | | | |
| GRP42004 | 10 | 1506 | 1524 | 1511 | N11 | E49 | .777 | 11686 | 14.3 | 18 | --F | | | .24 | | | 2 2 2 2 | | | | |
| CANR | 10 | 1505 | 1522 | 1511 | N10 | E50 | .785 | 11686 | 14.4 | 17 | -N | 2 | C | .22 | .34 | | | | | | |
| RAMY | 10 | 1507 | 1525 | 1511 | N11 | E48 | .767 | 11686 | 14.2 | 18 | -F | 3 | C | .26 | | | D | | | | |
| 005 PALE | 10 | 2212 | 2219 | 2214 | S08 | E30 | .501 | 11687 | 13.2 | 7 | --N | 3 | C | .72 | | | H | | | | |
| 008 PALE | 11 | 1844 | 1850 | 1846 | S05 | E13 | .225 | 11687 | 12.8 | 6 | --F | 2 | C | .91 | | | F | | | | |
| 009 PALE | 11 | 2225 | 2234 | 2227 | S08 | E17 | .298 | 11687 | 13.2 | 9 | --F | 2 | C | .63 | | | F | | | | |

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|---|-------------|-------|-------------|------------|----------|------------|------------------|---------------------|---------|---------------|-------------|-----------|----------|--------------|---------------------|---------------------|---------------|-------------|----------|
| | DATE | START | END | MAX. PHASE | APPROX. | | CENTRAL DISTANCE | MCMATH PLAGE REGION | CMP DAY | | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hg | MAX. INT. % | |
| | | | | | LAT. | MER. DIST. | | | | | | | | | | | | | |
| 1972 JAN | | | | | | | | | | | | | | | | | | | |
| GRP42010 | 12 | 0204 | 0227 | 0217 | S09 | E13 | .238 | 11687 | 13.1 | 23 | --N | | | | | | | | |
| CRON | 12 | 0204 | 0212 | 0208 | S08 | E10 | .184 | 11687 | 12.8 | 8 | -F | 2 | C | 0208 | .73 | .32 | | | 2 2 2 3 |
| PALE | 12 | 0207E | 0213 | 0207 | S08 | E10 | .184 | 11687 | 12.8 | 6D | -F | 2 | C | | .27 | | | | F |
| CRON | 12 | 0212 | 0225 | 0216 | S10 | E15 | .275 | 11687 | 13.2 | 13 | -N | 2 | C | 0216 | .65 | .65 | | | F |
| PALE | 12 | 0216 | 0229 | 0217 | S09 | E16 | .285 | 11687 | 13.3 | 13 | -N | 2 | C | | .81 | | | | F |
| GRP42012 | 12 | 0822 | 0835 | 0823 | S13 | W19 | .354 | 11682 | 10.9 | 13 | --N | | | | .13 | | | | 2 2 2 6 |
| CATA | 12 | 0820 | 0835 | 0820 | S12 | W18 | .333 | 11682 | 11.0 | 15 | -N | | C | 0820 | .17 | .18 | | 170 | D |
| TEHR | 12 | 0823 | 0834 | 0826 | S14 | W19 | .360 | 11682 | 10.9 | 11 | -N | 3 | C | | .09 | | | | D |
| 013 TEHR | 12 | 1238 | 1300 | 1250 | S08 | W20 | .346 | 11682 | 11.0 | 22 | --F | 3 | C | | .36 | | | | F 3 |
| GRP42015 | 13 | 1003 | 1041 | 1014 | S09 | W02 | .088 | 11687 | 13.3 | 38 | -N | | | | 1.85 | | | | 7 7 6 8 |
| TEHR | 13 | 1000 | 1032 | 1014 | S09 | W02 | .088 | 11687 | 13.3 | 32 | -N | 3 | C | | 1.19 | | | | UH |
| KHAR | 13 | 1000 | 1035D | 1010 | S08 | W02 | .073 | 11687 | 13.3 | 35D | 1B | | V | 1012 | | | 2.50 | | H |
| ATHN | 13 | 1003 | 1024D | 1017 | S09 | W02 | .088 | 11687 | 13.3 | 21D | -N | 1 | C | | .99 | | | | F |
| CRON | 13 | 1005 | 1030 | 1015 | S10 | W03 | .111 | 11687 | 13.2 | 25 | -N | 2 | C | 1015 | 1.29 | 1.30 | | | |
| CANR | 13 | 1005 | 1100 | 1011 | S10 | W01 | .100 | 11687 | 13.3 | 55 | -N | 2 | C | 1011 | .86 | .86 | | | |
| CATA | 13 | 1010E | 1035D | 1015 | S09 | W03 | .096 | 11687 | 13.2 | 25D | -B | | P | 1015 | 1.62 | 1.63 | | 246 | |
| WEND | 13 | 1018E | 1056 | | S10 | W02 | .104 | 11687 | 13.3 | 38D | 1N | | P | | 5.16 | | | | |
| GRP42016 | 13 | 2103 | 2200 | 2133 | S23 | E81 | .985 | 11693 | 20.0 | 57 | 1N | | | | 1.83 | | | | 3 2 1 3 |
| BOUL | 13 | 2103 | 2147U | 2135 | S20 | E79 | .979 | 11693 | 19.8 | 44D | 1N | 1 | C | 2135 | 1.83 | | | | |
| LOCK | 13 | 2125 | 2200 | 2131 | S25 | E83 | .990 | 11693 | 20.1 | 35 | 2N | | C | | | | | | H |
| PALE | 13 | 2131E | 2200D | 2131 | S13 | E85 | .995 | 11693 | 20.3 | 29D | 1B | 2 | C | | 1.55 | | | | U |
| GRP42017 | 14 | 0626 | 0652 | 0634 | S11 | E66 | .911 | 11693 | 19.2 | 26 | 1N | | | | 3.27 | | | | 2 2 2 3 |
| CRON | 14 | 0625 | 0649 | 0631 | S13 | E67 | .918 | 11693 | 19.3 | 24 | 1N | 2 | C | 0631 | 1.18 | | | | |
| TACH | 14 | 0626 | 0655 | 0636 | S08 | E64 | .896 | 11693 | 19.1 | 29 | 2N | | C | 0636 | 5.36 | 12.29 | | 120 | EK |
| TACH | 14 | 0626 | 0655 | 0643 | S08 | E64 | .896 | 11693 | 19.1 | 29 | 2N | | | | | | | | |
| GRP42018 | 14 | 0630 | 0709 | 0636 | S09 | W15 | .268 | 11687 | 13.1 | 39 | -B | | | | 2.01 | | | | 2 2 2 3 |
| CRON | 14 | 0630 | 0700 | 0636 | S08 | W15 | .264 | 11687 | 13.1 | 30 | -N | 2 | C | 0636 | 1.29 | 1.30 | | | |
| TACH | 14 | 0632E | 0717 | 0635 | S10 | W15 | .274 | 11687 | 13.1 | 45D | 1B | | C | 0635 | 2.73 | 2.85 | | 100 | E |
| GRP42020 | 14 | 0907 | 0937 | 0914 | S18 | E82 | .988 | 11693 | 20.5 | 30 | --F | | | | .28 | | | | 4 4 4 7 |
| CATA | 14 | 0905 | 0935 | 0915 | S19 | E83 | .990 | 11693 | 20.6 | 30 | -F | | C | 0915 | .29 | | | 148 | |
| CANR | 14 | 0908 | 0935 | 0912 | S19 | E87 | .997 | 11693 | 20.9 | 27 | -N | 3 | V | 0912 | .20 | .60 | | | |
| CAPS | 14 | 0910E | 0939D | | S19 | E80 | .982 | 11693 | 20.4 | 29D | -F | 1 | V | 0920 | .29 | | | | |
| ATHN | 14 | 0913E | 0937 | 0916 | S16 | E79 | .979 | 11693 | 20.3 | 24D | -N | 2 | C | | .33 | | | | D |
| GRP42023 | 14 | 1259 | 1313 | 1301 | S14 | E77 | .972 | 11693 | 20.3 | 14 | --N | | | | .24 | | | | 2 2 2 5 |
| RAMY | 14 | 1259 | 1301D | 1301 | S14 | E75 | .963 | 11693 | 20.2 | 2D | -N | 2 | C | | .28 | | | | D |
| CAPS | 14 | 1301E | 1313D | | S14 | E79 | .979 | 11693 | 20.5 | 12D | -N | 1 | S | 1302 | .19 | | | | D |
| 2 STATIONS REPORTING GROUP 42025. 0 STATIONS OBSERVING AND NOT REPORTING. | | | | | | | | | | | | | | | | | | | |
| GRP42025 | 14 | 1525 | 1710 | 1533 | S11 | E63 | .888 | 11693 | 19.4 | 105 | 1B | | | | 1.98 | | | | 2 2 2 2 |
| MCMA | 14 | 1525 | 1710D | 1532 | S09 | E63 | .888 | 11693 | 19.4 | 105D | 2B | | C | 1532 | 3.09 | 7.00 | | | |
| BOUL | 14 | 1534E | 1553U | 1534E | S12 | E62 | .881 | 11693 | 19.3 | 19D | -N | 1 | C | 1534 | .86 | 1.81 | | | |
| 025 MCMA | 14 | 1525 | 1710D | 1532 | S07 | E54 | .807 | 11693 | 18.7 | 105D | *2B | | C | 1532 | 3.09 | 7.00 | | | FL 2 |
| GRP42026 | 14 | 1833 | 1852 | 1837 | S14 | E72 | .948 | 11693 | 20.2 | 19 | --F | | | | .28 | | | | 2 2 1 3 |
| LOCK | 14 | 1830 | 1852 | 1836 | S12 | E72 | .948 | 11693 | 20.2 | 22 | -F | | C | | | | | | |
| RAMY | 14 | 1835 | 1837D | 1837 | S15 | E71 | .943 | 11693 | 20.1 | 2D | -N | 2 | C | | .28 | | | | D |
| 027 LOCK | 14 | 1950 | 2000 | 1953 | S12 | E72 | .948 | 11693 | 20.2 | 10 | --F | | C | | | | | | 2 |
| GRP42030 | 15 | 0921 | 0939 (0925) | | S12 | E68 | .924 | 11693 | 20.5 | 18 | -F | | | | .47 | | | | 4 4 2 10 |
| CATA | 15 | 0920 | 0930 | 0920 | S12 | E70 | .937 | 11693 | 20.6 | 10 | -N | | C | 0920 | .34 | | | 170 | |
| CRON | 15 | 0921 | 0938 | | S12 | E62 | .880 | 11693 | 20.0 | 17 | -F | 3 | V | 0921 | .60 | | | | |
| ONDR | 15 | 0926E | 0941 | | S12 | E70 | .937 | 11693 | 20.6 | 15D | 1F | | V | 0928 | | | 2.00 | | CJ |
| ARCE | 15 | 0928E | 0945D | | S11 | E70 | .937 | 11693 | 20.6 | 17D | -N | | C | 0930 | | | | | |
| 034 LOCK | 15 | 1623 | 1632 | 1627 | S16 | E67 | .918 | 11693 | 20.7 | 9 | --F | | C | | | | | | 3 |
| GRP42035 | 15 | 1711 | 1720 | 1713 | S12 | E65 | .904 | 11693 | 20.6 | 9 | -N | | | | .66 | | | | 4 4 3 4 |
| LOCK | 15 | 1710 | 1720 | 1713 | S13 | E65 | .904 | 11693 | 20.6 | 10 | -N | | C | | | | | | |
| CANR | 15 | 1710 | 1717 | 1712 | S14 | E66 | .911 | 11693 | 20.7 | 7 | -N | 2 | V | 1712 | .08 | 1.70 | | | |
| MCMA | 15 | 1711 | 1722 | 1714 | S06 | E63 | .889 | 11693 | 20.4 | 11 | -F | | C | 1714 | .41 | .90 | | | E |
| BOUL | 15 | 1712 | 1719 | 1714 | S14 | E64 | .896 | 11693 | 20.5 | 7 | -N | 1 | V | 1714 | 1.50 | | | | |
| GRP42036 | 15 | 1745 | 2032 | 1836 | S11 | E70 | .937 | 11693 | 21.0 | 167 | 1N | | | | 1.30 | | | | 3 2 1 3 |
| LOCK | 15 | 1745 | 2030 | 1840 | S10 | E71 | .943 | 11693 | 21.1 | 165 | 1N | | C | | | | | | |
| BOUL | 15 | 1809 | 1915 | 1832 | S12 | E70 | .937 | 11693 | 21.0 | 66 | 1N | 1 | V | 1832 | | | | | |
| BOUL | 15 | 1809 | 1915 | 1820 | S12 | E70 | .937 | 11693 | 21.0 | 66 | -B | | V | 1820 | | | | | |
| RAMY | 15 | 1940E | 2008D | 1941 | S11 | E67 | .918 | 11693 | 20.8 | 28D | -F | 2 | C | | 1.30 | | | | F |
| BOUL | 15 | 2012 | 2033 | 2015 | S12 | E68 | .924 | 11693 | 20.9 | 21 | -N | 1 | V | 2015 | | | | | |

8
Jan 72

SOLAR FLARES

Confirmed

JANUARY 1972

| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION MIN. | IM-PORTANCE | OBS. COND. TYPE | MEASUREMENTS | | | | | REMARKS | |
|-----------------------------------|-------------|-------|-------|---|--------------|------------|------------------|----------------------|---------|------------------|-------------|-----------------|--------------|---------------------|---------------------|---------------|-------------|---------|---|
| | DATE | START | END | MAX. PHASE | APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | MC MATH PLAGE REGION | CMP DAY | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hg | MAX. INT. % | | |
| 1972 JAN | | | | | | | | | | | | | | | | | | | |
| 038 LOCK | 15 | 2125 | 2150 | 2135 | S13 | E61 | .872 | 11693 | 20.5 | 25 | --F | C | | | | | | 2 | |
| GRP42040 | 16 | 0151 | 0209 | 0158 | S11 | E45 | .707 | 11693 | 19.5 | 18 | 1F | | 1.86 | | | | | 2 2 2 5 | |
| MITK | 16 | 0148 | 0209D | 0154 | S13 | E44 | .697 | 11693 | 19.4 | 21D | 1F | C | 0154 | 2.06 | 2.80 | | | F | |
| VORD | 16 | 0153 | 0209 | 0202 | S09 | E45 | .705 | 11693 | 19.5 | 16 | 1N | C | 0202 | 1.66 | 2.30 | | 67 | EFJ | |
| GRP42041 | 16 | 0230 | 0239 | 0231 | S19 | E66 | .912 | 11693 | 21.1 | 9 | -F | | .77 | | | | | 2 2 2 4 | |
| CRON | 16 | 0229 | 0239 | 0231 | S19 | E66 | .912 | 11693 | 21.1 | 10 | -F | 3 | 0231 | .60 | | | | | |
| VORD | 16 | 0229 | 0240 | 0231 | S22 | E65 | .907 | 11693 | 21.0 | 11 | -F | 2 | 0231 | .43 | | | | | |
| GRP42042 | 16 | 0305 | 0329 | 0314 | S14 | E64 | .896 | 11693 | 20.9 | 24 | -B | | .73 | | | | | 2 2 2 5 | |
| MANI | 16 | 0242 | 0315 | 0258 | S18 | E63 | .890 | 11693 | 20.8 | 33 | -N | 2 | 0258 | .83 | 1.60 | | | | |
| MANI | 16 | 0258 | 0331 | 0314 | S14 | E63 | .889 | 11693 | 20.8 | 33 | -N | 2 | 0314 | .72 | 1.40 | | | | |
| VORD | 16 | 0312 | 0326 | 0313 | S11 | E64 | .896 | 11693 | 20.9 | 14 | -B | C | 0313 | .74 | 1.60 | | 69 | EJ | |
| GRP42043 | 16 | 0316 | 0339 | 0319 | S10 | E45 | .706 | 11693 | 19.5 | 23 | -N | | 1.00 | | | | | 3 3 3 5 | |
| CRON | 16 | 0316 | 0331 | 0320 | S11 | E44 | .695 | 11693 | 19.4 | 15 | -F | 2 | 0320 | .54 | | | | | |
| MANI | 16 | 0316 | 0350 | 0318 | S10 | E44 | .694 | 11693 | 19.4 | 34 | -B | 2 | 0318 | 1.34 | 1.80 | | | | |
| VORD | 16 | 0317 | 0335 | 0319 | S08 | E46 | .717 | 11693 | 19.6 | 18 | -B | C | 0319 | 1.11 | 1.50 | | 75 | EJ | |
| 044 CATA | 16 | 0815 | 0855 | 0825 | N20 | W34 | .663 | 11686 | 13.8 | 40 | --F | C | 0825 | 1.04 | 1.40 | | 143 | 4 | |
| GRP42048 | 16 | 1522 | 1559 | 1552 | S15 | E33 | .560 | 11693 | 19.1 | 37 | -N | | 1.53 | | | | | 3 2 2 3 | |
| HUAN | 16 | 1522 | 1557 | 1553U | S14 | E34 | .570 | 11693 | 19.2 | 35 | 1N | 1 | 1553 | 2.51 | 3.04 | | 184 | E | |
| CATA | 16 | 1525E | 1530D | 1525 | S19 | E34 | .590 | 11693 | 19.2 | 5D | -N | P | 1525 | .63 | .86 | | | | |
| CANR | 16 | 1527E | 1602 | 1537 | S18 | E35 | .598 | 11693 | 19.3 | 35D | -N | 2 | 1537 | 1.51 | 1.83 | | | | |
| CANR | 16 | 1530 | 1600 | 1551 | S12 | E30 | .508 | 11693 | 18.9 | 30 | -N | 2 | 1551 | .54 | .63 | | | | |
| 2 STATIONS REPORTING GROUP 42049. | | | | 1 STATIONS OBSERVING AND NOT REPORTING. | | | | | | | | | | | | | | | |
| 049 RAMY | 16 | 1603E | 1611D | 1603 | S14 | E33 | .557 | 11693 | 19.1 | 8D | 1N | 3 | C | 3.04 | | | | 6 | 2 |
| 42049 | 16 | 1603 | 1700 | 1603 | S14 | E51 | .778 | 11693 | 20.5 | 57 | *-N | | 1.50 | | | | | 2 1 1 3 | |
| RAMY | 16 | 1603E | 1621D | 1603 | S14 | E51 | .778 | 11693 | 20.5 | 18D | -N | 3 | C | 1.50 | | | | F | |
| LOCK | 16 | 1615E | 1700 | 1615E | S13 | E33 | .554 | 11693 | 19.2 | 45D | 1F | C | | | | | | B | |
| GRP42050 | 16 | 1644 | 1658 | 1647 | S17 | E42 | .681 | 11693 | 19.8 | 14 | --F | | .45 | | | | | 2 2 2 4 | |
| HUAN | 16 | 1644 | 1653 | 1647 | S17 | E42 | .681 | 11693 | 19.8 | 9 | -F | 1 | 1647 | .12 | .17 | | | D | |
| RAMY | 16 | 1646E | 1702 | 1646 | S16 | E42 | .679 | 11693 | 19.8 | 16D | -N | 2 | C | .77 | | | | D | |
| GRP42051 | 16 | 1842 | 1857 | 1849 | S19 | E57 | .842 | 11693 | 21.1 | 15 | -N | | .28 | | | | | 3 3 2 4 | |
| LOCK | 16 | 1840 | 1857 | 1847 | S20 | E57 | .843 | 11693 | 21.1 | 17 | -N | C | | | | | | | |
| HUAN | 16 | 1843 | 1855 | 1848 | S18 | E57 | .841 | 11693 | 21.1 | 12 | -F | 1 | 1848 | .10 | .19 | | | D | |
| PALE | 16 | 1852E | 1859 | 1853 | S19 | E56 | .833 | 11693 | 21.0 | 7D | -N | 2 | C | .45 | | | | F | |
| 052 BOUL | 16 | 1847 | 1855 | 1847 | S16 | E32 | .551 | 11693 | 19.2 | 8 | 1N | 1 | V | | | | | 4 | |
| 053 LOCK | 16 | 2255 | 2315 | 2300 | S15 | E49 | .758 | 11693 | 20.6 | 20 | --F | C | | | | | | 3 | |
| GRP42054 | 17 | 0029 | 0043 | 0033 | S15 | E47 | .735 | 11693 | 20.5 | 14 | 1N | | 1.71 | | | | | 3 3 3 3 | |
| VORD | 17 | 0028 | 0039 | 0030 | S14 | E48 | .745 | 11693 | 20.6 | 11 | 1B | C | 0030 | 1.85 | 2.70 | | 85 | EJL | |
| MITK | 17 | 0029 | 0051 | 0035 | S14 | E47 | .734 | 11693 | 20.5 | 22 | 1N | C | 0035 | 2.78 | 4.10 | | | E | |
| CRON | 17 | 0030E | 0040 | | S16 | E47 | .737 | 11693 | 20.5 | 10D | -F | 3 | V | 0030 | .50 | | | | |
| 057 TEHR | 17 | 0411 | 0413D | 0413 | S13 | E47 | .732 | 11693 | 20.7 | 2D | --F | 2 | C | .45 | | | | F | 3 |
| GRP42059 | 17 | 0703 | 0714 | 0707 | S16 | E45 | .714 | 11693 | 20.7 | 11 | -N | | .77 | | | | | 2 2 2 3 | |
| MANI | 17 | 0703 | 0713 | 0707 | S15 | E45 | .712 | 11693 | 20.7 | 10 | -N | 2 | 0707 | .93 | 1.30 | | | | |
| CRON | 17 | 0708E | 0715 | | S17 | E45 | .716 | 11693 | 20.7 | 7D | -N | 3 | V | 0708 | .60 | | | | |
| GRP42061 | 17 | 1240 | 1254 | 1244 | S17 | E37 | .619 | 11693 | 20.3 | 14 | -N | | .89 | | | | | 3 3 3 3 | |
| RAMY | 17 | 1239E | 1250 | 1243 | S17 | E37 | .619 | 11693 | 20.3 | 11D | -N | 3 | C | 1.13 | | | | F | |
| CAPE | 17 | 1239 | 1300 | 1244 | S17 | E38 | .632 | 11693 | 20.4 | 21 | -N | C | 1244 | 1.08 | 1.40 | | | H | |
| HUAN | 17 | 1241 | 1252 | 1244 | S17 | E36 | .606 | 11693 | 20.2 | 11 | -N | 1 | C | 1244 | .45 | .57 | | | E |
| GRP42063 | 17 | 1529 | 1555 | 1535 | S16 | E38 | .629 | 11693 | 20.5 | 26 | --F | | .66 | | | | | 2 2 2 4 | |
| BOUL | 17 | 1528 | 1555 | 1536 | S18 | E38 | .635 | 11693 | 20.5 | 27 | -F | 2 | C | 1536 | .75 | .97 | | | |
| RAMY | 17 | 1529 | 1555 | 1534 | S14 | E38 | .623 | 11693 | 20.5 | 26 | -F | 2 | C | | .57 | | | D | |
| GRP42065 | 17 | 2018 | 2040 | 2021 | S15 | E36 | .600 | 11693 | 20.5 | 22 | --F | | .48 | | | | | 4 4 4 5 | |
| BOUL | 17 | 2016 | 2041 | 2020 | S17 | E34 | .580 | 11693 | 20.4 | 25 | -F | 3 | V | 2020 | .37 | 4.00 | | | |
| PALE | 17 | 2018 | 2035 | 2021 | S13 | E37 | .608 | 11693 | 20.6 | 17 | -F | 3 | C | | .45 | | | F | |
| RAMY | 17 | 2019 | 2045 | 2023 | S16 | E38 | .629 | 11693 | 20.7 | 26 | -F | 2 | C | | .46 | | | D | |
| MCMA | 17 | 2020E | 2025D | | S13 | E36 | .594 | 11693 | 20.5 | 5D | -N | P | 2022 | .62 | .80 | | | E | |
| 067 MANI | 18 | 0600 | 0621 | 0601 | S12 | E32 | .536 | 11693 | 20.6 | 21 | -N | 2 | | 0601 | .93 | 1.11 | | | 3 |

SOLAR FLARES
Confirmed
JANUARY 1972

| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION MIN. | IM- POR- TANCE | OBS. COND. TYPE | MEASUREMENTS | | | | | REMARKS |
|-------------|---------------------|-------|-------|------------|--------------|--------------------|------------------|-----------------------|---------|------------------|----------------------|--------------------|--------------|------------------------|------------------------|------------------|----------------|---------|
| | DATE 1972 JAN | START | END | MAX. PHASE | APPROX. LAT. | APPROX. MER. DIST. | CENTRAL DISTANCE | MCARTHUR PLAGE REGION | CMP DAY | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Ha | MAX. INT. % | |
| GRP42068 | 18 | 0716 | 0728 | 0719 | N15 | E19 | .459 | 11696 | 19.7 | 12 | --N | | | .43 | | | | 2 2 2 3 |
| CRON | 18 | 0715 | 0726 | 0720 | N15 | E19 | .459 | 11696 | 19.7 | 11 | -N | 2 C | 0720 | .32 | .36 | | | D |
| TEHR | 18 | 0717 | 0730D | 0719 | N15 | E18 | .449 | 11696 | 19.7 | 13D | -N | 3 C | | .36 | | | | |
| CRON | 18 | 0717E | 0724 | | N14 | E19 | .448 | 11696 | 19.7 | 7D | -N | 3 V | 0717 | .50 | | | | |
| GRP42069 | 18 | 1038 | 1052 | 1042 | S11 | E09 | .188 | 11693 | 19.1 | 14 | --N | | | .86 | | | | 2 1 1 5 |
| CANR | 18 | 1038 | 1050 | 1042 | S12 | E08 | .185 | 11693 | 19.0 | 12 | -N | 2 C | 1042 | .86 | .86 | | | F |
| TEHR | 18 | 1048E | 1053D | U | S10 | E09 | .179 | 11693 | 19.1 | 5D | -F | 2 C | | .28 | | | | |
| 070 LOCK | 18 | 1900 | 1925 | 1910 | S13 | E26 | .453 | 11693 | 20.7 | 25 | --F | C | | | | | | 3 |
| GRP42071 | 18 | 1936 | 1953 | 1939 | S12 | E23 | .404 | 11693 | 20.5 | 17 | --F | | | .36 | | | | 2 2 1 3 |
| LOCK | 18 | 1935 | 1955 | 1940 | S11 | E23 | .400 | 11693 | 20.5 | 20 | -F | C | | | | | | |
| PALE | 18 | 1937 | 1950 | 1938 | S12 | E22 | .389 | 11693 | 20.5 | 13 | -F | 3 C | | .36 | | | | F |
| 072 LOCK | 18 | 1952 | 2015 | 1955 | S11 | E03 | -.119 | 11693 | 19.1 | 23 | --F | C | | | | | | 3 |
| GRP42073 | 18 | 1954 | 1958 | 1956 | S19 | E30 | .537 | 11693 | 21.1 | 4 | --F | | | .17 | | | | 2 2 1 3 |
| LOCK | 18 | 1953 | 1958 | 1955 | S20 | E29 | .530 | 11693 | 21.0 | 5 | -F | C | | | | | | |
| PALE | 18 | 1955 | 1958D | 1956 | S18 | E30 | .532 | 11693 | 21.1 | 3D | -N | 3 C | | .17 | | | | |
| GRP42074 | 18 | 2001 | 2027 | 2007 | S16 | E23 | .426 | 11693 | 20.6 | 26 | --N | | | .88 | | | | 3 3 2 3 |
| LOCK | 18 | 2000 | 2030 | 2010 | S17 | E23 | .432 | 11693 | 20.6 | 30 | -N | C | | | | | | |
| HUAN | 18 | 2002 | 2025 | 2006 | S16 | E23 | .426 | 11693 | 20.6 | 23 | -N | 2 C | 2006 | .84 | .92 | | | E |
| PALE | 18 | 2003E | 2026 | 2004 | S16 | E24 | .439 | 11693 | 20.6 | 23D | -N | 3 C | | .91 | | | | D |
| GRP42075 | 18 | 2214 | 2224 | 2216 | S19 | E20 | .409 | 11693 | 20.4 | 10 | --F | | | .27 | | | | 2 2 1 3 |
| LOCK | 18 | 2212 | 2225 | 2215 | S19 | E20 | .409 | 11693 | 20.4 | 13 | -F | C | | | | | | |
| PALE | 18 | 2216 | 2223 | 2217 | S19 | E20 | .409 | 11693 | 20.4 | 7 | -F | 3 C | | .27 | | | | F |
| GRP42076 | 18 | 2315 | 2324 | 2319 | S18 | E20 | .400 | 11693 | 20.5 | 9 | --F | | | .41 | | | | 2 2 1 5 |
| LOCK | 18 | 2315 | 2328 | 2318 | S18 | E20 | .400 | 11693 | 20.5 | 13 | -F | C | | | | | | |
| MANI | 18 | 2320E | 2320 | 2320 | S18 | E20 | .400 | 11693 | 20.5 | | -N | 2 C | 2320 | .41 | .45 | | | |
| GRP42078 | 19 | 0632 | 0709 | 0639 | S18 | E18 | .373 | 11693 | 20.6 | 37 | 1N | | | 1.81 | | | | 4 3 3 4 |
| CRON | 19 | 0631 | 0644 | 0634 | S22 | E20 | .435 | 11693 | 20.8 | 13 | -F | 3 V | 0634 | .50 | | | | |
| CAPE | 19 | 0632 | 0720 | 0640 | S15 | E16 | .320 | 11693 | 20.5 | 48 | 1N | C | 0640 | 2.03 | 2.20 | | | |
| MANI | 19 | 0637E | 0722 | 0644 | S16 | E17 | .342 | 11693 | 20.6 | 45D | 1N | 2 C | 0644 | 2.89 | 3.00 | | | |
| CATA | 19 | 0715E | 0725D | 0715 | S21 | E16 | .380 | 11693 | 20.5 | 100 | 1N | P | 0715 | 2.02 | 2.20 | 195 | | |
| GRP42079 | 19 | 0938 | 1001 | 0943 | S18 | E05 | .241 | 11693 | 19.8 | 23 | --N | | | .28 | | | | 3 3 3 7 |
| HTPR | 19 | 0920 | 0958 | 0945 | S17 | E05 | .225 | 11693 | 19.8 | 38 | -F | C | 0945 | .21 | .20 | | | |
| CATA | 19 | 0935 | 1005 | 0940 | S17 | E05 | .225 | 11693 | 19.8 | 30 | -N | C | 0940 | .17 | .18 | 160 | | |
| CANR | 19 | 0941 | 1000 | | S19 | E05 | .257 | 11693 | 19.8 | 19 | -N | 1 V | 0942 | .45 | .50 | | | |
| GRP42080 | 19 | 1013 | 1112 | 1055 | N15 | E04 | .347 | 11696 | 19.7 | 59 | 1F | | | 3.56 | | | | 3 2 2 6 |
| WEND | 19 | 1013E | 1109 | | N15 | E03 | .344 | 11696 | 19.7 | 56D | 2F | V | | 6.19 | | | | |
| HTPR | 19 | 1031 | 1047 | 1039 | N15 | E05 | .351 | 11696 | 19.8 | 16 | -N | C | 1039 | .93 | .90 | | | E |
| CATA | 19 | 1035E | 1115 | 1055 | N14 | E04 | .331 | 11696 | 19.7 | 40D | -N | P | 1055 | .93 | .99 | 174 | | |
| GRP42081 | 19 | 1227 | 1236 | 1230 | S13 | E07 | .184 | 11693 | 20.0 | 9 | --F | | | .51 | | | | 3 3 3 6 |
| CANR | 19 | 1226 | 1237 | 1229 | S13 | E07 | .184 | 11693 | 20.0 | 11 | -N | 2 C | 1229 | .43 | .43 | | | |
| HTPR | 19 | 1228 | 1235 | 1230 | S13 | E08 | .196 | 11693 | 20.1 | 7 | -F | C | 1230 | .52 | .50 | | | |
| RAMY | 19 | 1231E | 1234D | 1231 | S14 | E07 | .198 | 11693 | 20.0 | 3D | -F | 3 C | | .57 | | | | D |
| GRP42082 | 19 | 1247 | 1304 | 1249 | S17 | E14 | .313 | 11693 | 20.6 | 17 | --F | | | .39 | | | | 4 4 3 6 |
| RAMY | 19 | 1241E | 1310 | 1247 | S15 | E15 | .307 | 11693 | 20.7 | 29D | -F | 4 C | | .67 | | | | D |
| HTPR | 19 | 1247 | 1302 | 1250 | S18 | E13 | .313 | 11693 | 20.5 | 15 | -F | C | 1250 | .21 | .20 | | | |
| CATA | 19 | 1250E | 1300 | 1250 | S18 | E13 | .313 | 11693 | 20.5 | 10D | -N | P | 1250 | .29 | .30 | 182 | | |
| WEND | 19 | 1250 | 1304 | | S17 | E13 | .301 | 11693 | 20.5 | 14 | -N | | | | | | | |
| 085 RAMY | 19 | 1523 | 1550 | 1527 | S17 | E13 | .301 | 11693 | 20.6 | 27 | --F | 3 C | | .72 | | | | D 3 |
| GRP42087 | 19 | 1639 | 1716 | 1644 | S16 | E10 | .255 | 11693 | 20.4 | 37 | 1B | | | 2.61 | | | | 3 3 3 3 |
| RAMY | 19 | 1630 | 1730 | 1644 | S15 | E13 | .280 | 11693 | 20.7 | 60 | 1B | 3 C | | 3.09 | | | | F |
| MCMA | 19 | 1644E | 1652D | | S15 | E12 | .267 | 11693 | 20.6 | 8D | 1B | P | 1650 | 2.58 | 2.60 | | | EL |
| CANR | 19 | 1644 | 1710 | 1644 | S16 | E11 | .267 | 11693 | 20.5 | 26 | 1B | 2 C | 1644 | 2.15 | 2.15 | | | |
| RAMY | 19 | 1704 | 1722 | 1711 | S17 | E04 | .220 | 11693 | 20.0 | 18 | -N | 3 C | | .72 | | | | D |
| GRP42088 | 19 | 1733 | 1754 | 1741 | S15 | E04 | .188 | 11693 | 20.0 | 21 | --N | | | .74 | | | | 3 3 3 4 |
| PALE | 19 | 1733E | 1750 | 1741 | S15 | E04 | .188 | 11693 | 20.0 | 17D | -N | 2 C | | .55 | | | | F |
| RAMY | 19 | 1733 | 1750 | 1739 | S15 | E04 | .188 | 11693 | 20.0 | 17 | -N | 3 C | | .67 | | | | D |
| BOUL | 19 | 1743E | 1802 | 1743 | S15 | E04 | .188 | 11693 | 20.0 | 19D | -N | 1 V | 1743 | 1.00 | 1.00 | | | |
| 089 PALE | 19 | 1858 | 1911 | 1902 | S14 | E03 | .166 | 11693 | 20.0 | 13 | --F | 2 C | | .19 | | | | F 3 |

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Confirmed
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| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION MIN. | IM-POR-TANCE | OBS. COND. TYPE | MEASUREMENTS | | | | | REMARKS |
|---|-------------|-------|-------|------------|--------------|------------|------------------|---------------------|---------|---------------|--------------|-----------------|--------------|---------------------|---------------------|---------------|-------------|---------|
| | DATE | START | END | MAX. PHASE | APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | MCMATH PLAGE REGION | CMP DAY | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Ha | MAX. INT. % | |
| 1972 | | | | | | | | | | | | | | | | | | |
| JAN | | | | | | | | | | | | | | | | | | |
| GRP42090 | 19 | 1918 | 1952 | 1939 | S15 | E02 | .178 | 11693 | 20.0 | 34 | --N | | | .50 | | | 3 2 1 3 | |
| PALE | 19 | 1918 | 1936D | 1921 | S14 | E04 | .172 | 11693 | 20.1 | 18D | -F | 2 | C | .27 | | | F | |
| LOCK | 19 | 1930 | 1952 | 1938 | S15 | E02 | .178 | 11693 | 20.0 | 22 | -N | | C | | | | H | |
| BOUL | 19 | 1940E | 1952 | 1940 | S15 | E02 | .178 | 11693 | 20.0 | 12D | -N | 1 | V | 1940 | .50 | .50 | | |
| GRP42091 | 19 | 2205 | 2233 | 2215 | S15 | E02 | .178 | 11693 | 20.1 | 28 | --N | | | .47 | | | 4 4 3 5 | |
| BOUL | 19 | 2204 | 2239U | 2214 | S15 | E02 | .178 | 11693 | 20.1 | 35D | -N | 2 | C | 2214 | .54 | .54 | | |
| LOCK | 19 | 2205 | 2230 | 2212 | S15 | E02 | .178 | 11693 | 20.1 | 25 | -N | | C | | | | | |
| PALE | 19 | 2212E | 2218D | 2217 | S14 | E01 | .159 | 11693 | 20.0 | 6D | -N | 2 | C | | .36 | | F | |
| CRON | 19 | 2215E | 2230 | 2215U | S15 | E02 | .178 | 11693 | 20.1 | 15D | -F | 1 | V | 2215 | .50 | | | |
| GRP42092 | 20 | 0030 | 0104 | 0037 | S19 | E06 | .261 | 11693 | 20.5 | 34 | --N | | | .65 | | | 4 4 4 5 | |
| VORD | 20 | 0028 | 0117 | 0039 | S19 | E07 | .268 | 11693 | 20.5 | 49 | -B | | C | 0039 | .93 | .90 | 96 | |
| CRON | 20 | 0031 | 0048 | 0034U | S19 | E05 | .256 | 11693 | 20.4 | 17 | -F | 2 | C | 0034 | .32 | .32 | | |
| MITK | 20 | 0032 | 0105 | 0034 | S20 | E04 | .267 | 11693 | 20.3 | 33 | -F | | C | 0034 | .62 | .60 | E | |
| MANI | 20 | 0040E | 0105 | 0040 | S18 | E08 | .261 | 11693 | 20.6 | 25D | -N | 2 | | 0040 | .72 | .71 | | |
| GRP42094 | 20 | 0215 | 0221 | 0217 | S16 | E06 | .216 | 11693 | 20.5 | 6 | --F | | | .62 | | | 2 2 2 5 | |
| MITK | 20 | 0215 | 0222D | 0216 | S16 | E06 | .201 | 11693 | 20.5 | 7D | -F | | C | 0216 | .83 | .80 | E | |
| MANI | 20 | 0216E | 0220 | 0218 | S16 | E05 | .208 | 11693 | 20.5 | 4D | -F | 2 | | 0218 | .41 | .42 | | |
| GRP42095 | 20 | 0319 | 0343 | 0324 | S15 | W02 | .177 | 11693 | 20.0 | 24 | -B | | | 1.80 | | | 5 4 4 5 | |
| CULG | 20 | 0316 | 0355 | 0322 | S15 | W02 | .177 | 11693 | 20.0 | 39 | 1B | | C | 0322 | 2.37 | 2.30 | 98 | |
| VORD | 20 | 0321 | 0340 | 0324 | S14 | W02 | .160 | 11693 | 20.0 | 19 | -B | | C | 0324 | 1.75 | 1.70 | DJ | |
| CRON | 20 | 0321 | 0340 | 0324 | S14 | W02 | .160 | 11693 | 20.0 | 19 | -N | 2 | C | 0324 | 1.29 | 1.30 | | |
| SIBE | 20 | 0325E | 0337 | 0325 | S15 | W01 | .174 | 11693 | 20.1 | 12D | -N | | P | 0325 | 1.77 | 1.86 | 85 | |
| MANI | 20 | 0335E | 0349 | 0335 | S15 | W02 | .177 | 11693 | 20.0 | 14D | -B | 2 | | 0335 | 1.03 | 1.00 | CD | |
| 2 STATIONS REPORTING GROUP 42096. 3 STATIONS OBSERVING AND NOT REPORTING. | | | | | | | | | | | | | | | | | | |
| GRP42096 | 20 | 0738 | 0755 | 0744 | S18 | E05 | .240 | 11693 | 20.7 | 17 | --F | | | .34 | | | 2 2 2 5 | |
| TEHR | 20 | 0738 | 0750 | 0742 | S17 | E05 | .224 | 11693 | 20.7 | 12 | -F | 2 | C | | .09 | | D | |
| CATA | 20 | 0745E | 0800D | 0745 | S18 | E04 | .234 | 11693 | 20.6 | 15D | -N | | P | 0745 | .58 | .59 | 166 | |
| 096 CATA | 20 | 0745E | 0800D | 0745 | S13 | E02 | .143 | 11693 | 20.5 | 15D | *-N | | P | 0745 | .46 | .47 | 162 | |
| 7 STATIONS REPORTING GROUP 42098. 0 STATIONS OBSERVING AND NOT REPORTING. | | | | | | | | | | | | | | | | | | |
| GRP42098 | 20 | 0812 | 0845 | 0816 | S17 | E04 | .218 | 11693 | 20.6 | 33 | -F | | | .99 | | | 4 4 4 5 | |
| CRON | 20 | 0805 | 0835 | 0815 | S15 | E02 | .177 | 11693 | 20.5 | 30 | -F | 2 | C | 0815 | .97 | .97 | | |
| CATA | 20 | 0810E | 0820D | 0810 | S17 | E04 | .218 | 11693 | 20.6 | 10D | -N | | P | 0810 | .87 | .89 | 158 | |
| TEHR | 20 | 0810 | 0839 | 0816 | S18 | E04 | .234 | 11693 | 20.6 | 29 | -N | 2 | C | | .94 | | F | |
| ABST | 20 | 0821 | 0900 | 0822 | S17 | E04 | .218 | 11693 | 20.6 | 39 | -F | | P | 0822 | 1.18 | 1.20 | FUZ | |
| 42098 | 20 | 0810 | 0853 | 0832 | S15 | E03 | .181 | 11693 | 20.6 | 43 | *-N | | | 1.49 | | | 3 3 3 6 | |
| CAPE | 20 | 0810 | 0850 | 0832 | S15 | E04 | .186 | 11693 | 20.6 | 40 | -N | | C | 0832 | 1.17 | 1.10 | | |
| HTPR | 20 | 0834E | 0900 | | S17 | E03 | .214 | 11693 | 20.6 | 26D | -N | | C | 0834 | 1.13 | 1.10 | B | |
| HTPR | 20 | 0834E | 0900 | | S12 | E03 | .132 | 11693 | 20.6 | 26D | -N | | C | 0834 | 1.03 | 1.00 | B | |
| ARCE | 20 | 0840E | 0850D | | S15 | E03 | .181 | 11693 | 20.6 | 10D | 1F | | C | 0840 | 2.18 | 2.20 | | |
| ARCE | 20 | 0845 | 0918D | 0859 | S19 | E00 | .242 | 11693 | 20.4 | 33D | -F | | C | 0859 | .29 | .30 | | |
| GRP42100 | 20 | 0911 | 0932 | 0914 | S15 | W05 | .193 | 11693 | 20.0 | 21 | -N | | | 1.67 | | | 6 6 6 8 | |
| CRON | 20 | 0908 | 0927 | 0912U | S14 | W05 | .178 | 11693 | 20.0 | 19 | -N | 2 | C | 0912 | .54 | .54 | | |
| HTPR | 20 | 0910 | 0932 | 0917 | S14 | W05 | .178 | 11693 | 20.0 | 22 | -B | | C | 0917 | .83 | .80 | | |
| CAPE | 20 | 0910 | 0930 | 0912 | S14 | W06 | .187 | 11693 | 19.9 | 20 | -N | | C | 0912 | 1.30 | 1.30 | HV | |
| ARCE | 20 | 0910E | 0940 | | S15 | W05 | .193 | 11693 | 20.0 | 30D | 1F | | C | 0910 | 2.33 | 2.40 | | |
| CAPS | 20 | 0911 | 0915D | | S14 | W04 | .170 | 11693 | 20.1 | 4D | 1N | 1 | S | 0913 | 4.00 | 4.00 | | |
| CANR | 20 | 0914 | 0932 | | S16 | W06 | .216 | 11693 | 19.9 | 18 | -N | 1 | V | 0915 | 1.00 | 1.00 | | |
| GRP42104 | 20 | 1604 | 1618 | 1607 | S15 | W02 | .177 | 11693 | 20.5 | 14 | --F | | | .87 | | | 2 2 2 3 | |
| RAMY | 20 | 1603 | 1615 | 1606 | S16 | W01 | .191 | 11693 | 20.6 | 12 | -F | 2 | C | | 1.03 | | D | |
| BOUL | 20 | 1605 | 1620 | 1607 | S14 | W03 | .164 | 11693 | 20.4 | 15 | -F | 3 | V | 1607 | .70 | .70 | | |
| GRP42105 | 20 | 1838 | 1848 | 1840 | S14 | W11 | .243 | 11693 | 20.0 | 10 | --F | | | .32 | | | 2 2 2 4 | |
| RAMY | 20 | 1837 | 1848 | 1839 | S14 | W10 | .231 | 11693 | 20.0 | 11 | -F | 2 | C | | .36 | | D | |
| PALE | 20 | 1838 | 1847 | 1840 | S13 | W12 | .247 | 11693 | 19.9 | 9 | -F | 2 | C | | .27 | | F | |
| GRP42106 | 20 | 1901 | 1909 | 1904 | S16 | W03 | .197 | 11693 | 20.6 | 8 | --F | | | .36 | | | 2 2 1 5 | |
| LOCK | 20 | 1900 | 1907 | 1903 | S15 | W04 | .186 | 11693 | 20.5 | 7 | -F | | C | | | | D | |
| RAMY | 20 | 1902 | 1911 | 1904 | S17 | W01 | .208 | 11693 | 20.7 | 9 | -F | 2 | C | | .36 | | | |
| GRP42107 | 20 | 1932 | 1947 | 1935 | N13 | W15 | .397 | 11696 | 19.7 | 15 | --F | | | .45 | | | 4 4 3 5 | |
| RAMY | 20 | 1931 | 1956 | 1935 | N13 | W15 | .397 | 11696 | 19.7 | 25 | -F | 2 | C | | .57 | | D | |
| LOCK | 20 | 1931 | 1942 | 1934 | N13 | W14 | .387 | 11696 | 19.8 | 11 | -F | | C | | | | | |
| BOUL | 20 | 1931 | 1940 | 1936 | N13 | W13 | .377 | 11696 | 19.8 | 9 | -F | 2 | C | 1936 | .54 | .58 | | |
| BOUL | 20 | 1931 | 1950 | 1936 | N13 | W15 | .397 | 11696 | 19.7 | 19 | -F | 2 | V | 1936 | .45 | .45 | | |
| HUAN | 20 | 1933 | 1940 | 1935 | N13 | W15 | .397 | 11696 | 19.7 | 7 | -F | 2 | C | 1935 | .23 | .24 | D | |
| 108 RAMY | 20 | 2052 | 2107 | 2058 | S19 | W23 | .445 | 11693 | 19.1 | 15 | --F | 2 | C | | .67 | | D | |
| 110 LOCK | 20 | 2110 | 2135 | 2120 | S15 | W04 | .186 | 11693 | 20.6 | 25 | --F | | C | | | | 3 | |

SOLAR FLARES

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| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION MIN. | IM-POR-TANCE | OBS. COND. TYPE | MEASUREMENTS | | | | | REMARKS | |
|-------------|-------------|-------|-------|------------|--------------|------------|------------------|----------------------|---------|---------------|--------------|-----------------|--------------|---------------------|---------------------|---------------|-------------|---------|---------|
| | DATE | START | END | MAX. PHASE | APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | MC MATH PLAGE REGION | CMP DAY | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Ha | MAX. INT. % | | |
| | 1972 JAN | | | | | | | | | | | | | | | | | | |
| GRP42112 | 20 | 2303 | 2350 | 2312 | S17 | W23 | .431 | 11693 | 19.2 | 47 | -N | | | | 1.96 | | | | 4 4 3 4 |
| CULG | 20 | 2300 | 0020 | 2316 | S18 | W24 | .451 | 11693 | 19.2 | 80 | 1N | C | 2316 | 3.51 | 3.74 | | | | L |
| PALE | 20 | 2302 | 2331 | 2312 | S17 | W23 | .431 | 11693 | 19.2 | 29 | -N | 2 C | | 1.18 | | | | | F |
| LOCK | 20 | 2303 | 2329D | 2310 | S17 | W23 | .431 | 11693 | 19.2 | 26D | 1N | C | | | | | | | |
| CRON | 20 | 2306 | 2340 | 2310 | S17 | W23 | .431 | 11693 | 19.2 | 34 | -N | 1 V | | 1.20 | | | | | |
| GRP42113 | 21 | 0102 | 0110 | 0104 | S15 | W04 | .185 | 11693 | 20.7 | 8 | --F | | | .39 | | | | | 2 2 2 3 |
| PALE | 21 | 0102 | 0112 | 0104 | S15 | W05 | .191 | 11693 | 20.7 | 10 | -N | 3 C | | .27 | | | | | F |
| CRON | 21 | 0103E | 0108 | 0103 | S15 | W03 | .179 | 11693 | 20.8 | 50 | -F | 3 V | | .50 | | | | | |
| GRP42114 | 21 | 0204 | 0217 | 0207 | S15 | W09 | .229 | 11693 | 20.4 | 13 | --F | | | .60 | | | | | 2 2 2 5 |
| HANI | 21 | 0203E | 0217 | 0205 | S14 | W07 | .195 | 11693 | 20.6 | 140 | -F | 1 C | 0205 | .83 | .84 | | | | F |
| PALE | 21 | 0204 | 0217D | 0209 | S15 | W11 | .253 | 11693 | 20.3 | 130 | -F | 3 C | | .36 | | | | | |
| GRP42115 | 21 | 0219 | 0229 | 0222 | S15 | W14 | .291 | 11693 | 20.0 | 10 | --N | | | .68 | | | | | 3 3 3 5 |
| CRON | 21 | 0219E | 0230 | 0222 | S15 | W14 | .291 | 11693 | 20.0 | 110 | -F | 3 V | | .40 | | | | | |
| KODA | 21 | 0220E | 0226 | 0220 | S15 | W13 | .278 | 11693 | 20.1 | 60 | -B | V | 0220 | 1.01 | 1.00 | 1.64 | | | D |
| HANI | 21 | 0224E | 0231 | 0225 | S15 | W14 | .291 | 11693 | 20.1 | 70 | -B | 2 V | 0225 | .62 | .65 | | | | |
| 117 TEHR | 21 | 0636 | 0702 | 0643 | N16 | W41 | .716 | 11702 | 18.2 | 26 | --N | 4 C | | .19 | | | | | F |
| GRP42122 | 21 | 0950 | 1020 | 1000 | N18 | W43 | .747 | 11702 | 18.2 | 30 | -N | | | .64 | | | | | 3 2 2 5 |
| ARCE | 21 | 0949E | 1007D | | N17 | W43 | .742 | 11702 | 18.2 | 180 | -N | C | 1007 | .70 | 1.00 | | | | T |
| CATA | 21 | 0950 | 1020D | 1000 | N18 | W43 | .747 | 11702 | 18.2 | 300 | -N | P | 1000 | .58 | .87 | | | 191 | H |
| CAPS | 21 | 1020E | 1026D | | N22 | W40 | .739 | 11702 | 18.4 | 60 | -B | 4 V | 1022 | 1.00 | 1.50 | | | 200 | |
| 126 RAMY | 21 | 1236 | 1255 | 1240 | N16 | W43 | .737 | 11702 | 18.3 | 19 | --F | 2 C | | .65 | | | | | D |
| 127 RAMY | 21 | 1417 | 1435 | 1422 | N16 | W44 | .748 | 11702 | 18.3 | 18 | --F | 2 C | | .37 | | | | | D |
| GRP42128 | 21 | 1547 | 1555 | 1549 | S17 | W15 | .324 | 11693 | 20.5 | 8 | --N | | | .39 | | | | | 2 2 2 2 |
| CANR | 21 | 1546 | 1553 | 1548 | S17 | W14 | .311 | 11693 | 20.6 | 7 | -N | 2 C | 1548 | .32 | .34 | | | | D |
| RAMY | 21 | 1547 | 1556 | 1549 | S16 | W15 | .314 | 11693 | 20.5 | 9 | -N | 2 C | | .46 | | | | | |
| 130 RAMY | 21 | 1755 | 1808 | 1758 | S16 | W16 | .327 | 11693 | 20.5 | 13 | --F | 2 C | | .46 | | | | | D |
| 131 PALE | 21 | 2135 | 2143 | 2137 | N18 | W47 | .786 | 11702 | 18.4 | 8 | --F | 3 C | | .45 | | | | | F |
| GRP42135 | 22 | 0538 | 0616 | 0545 | S16 | W39 | .639 | 11693 | 19.3 | 38 | 2B | | | 6.69 | | | | | 4 4 4 5 |
| MITK | 22 | 0538 | 0613D | 0545 | S16 | W39 | .639 | 11693 | 19.3 | 350 | 2B | C | 0545 | 6.50 | 8.30 | | | | F |
| TACH | 22 | 0538 | 0626 | 0543 | S17 | W39 | .642 | 11693 | 19.3 | 48 | 2N | C | 0543 | 8.66 | 11.39 | 2.46 | 100 | | EU |
| KODA | 22 | 0543E | 0615 | 0546 | S16 | W38 | .627 | 11693 | 19.4 | 320 | 1B | P | 0543 | 4.62 | 4.60 | 2.72 | | | CIKU |
| SIBE | 22 | 0544E | 0608 | | S16 | W40 | .652 | 11693 | 19.2 | 240 | 2N | P | 0544 | 6.98 | 9.59 | | 139 | | CE |
| GRP42136 | 22 | 0938 | 0956 | 0940 | S15 | W24 | .431 | 11693 | 20.6 | 18 | --N | | | .43 | | | | | 3 3 3 6 |
| HTPR | 22 | 0936 | 0946 | 0940 | S14 | W25 | .441 | 11693 | 20.5 | 10 | -F | C | 0940 | .21 | .20 | | | | E |
| ATHN | 22 | 0939 | 0943D | 0940 | S16 | W23 | .423 | 11693 | 20.7 | 40 | -N | 2 C | | .33 | | | | | D |
| CATA | 22 | 0940E | 1005 | 0940 | S14 | W25 | .441 | 11693 | 20.5 | 250 | -N | P | 0940 | .75 | .85 | | | 182 | |
| GRP42137 | 22 | 1027 | 1038 | 1028 | S13 | W25 | .436 | 11693 | 20.6 | 11 | -N | | | .90 | | | | | 3 3 3 7 |
| CANR | 22 | 1008 | 1038 | 1027 | S12 | W23 | .402 | 11693 | 20.7 | 30 | -N | 2 C | 1027 | .86 | .94 | | | | |
| CATA | 22 | 1025E | 1030D | 1025 | S12 | W25 | .432 | 11693 | 20.6 | 50 | -N | P | 1025 | 1.51 | 1.68 | | | 178 | |
| ATHN | 22 | 1029 | 1035D | 1032 | S16 | W26 | .465 | 11693 | 20.5 | 60 | -F | 2 C | | .33 | | | | | D |
| GRP42138 | 22 | 1044 | 1117 | 1054 | S13 | W25 | .436 | 11693 | 20.6 | 33 | -N | | | 2.08 | | | | | 5 4 4 7 |
| CAPE | 22 | 1040 | 1115 | 1052 | S14 | W26 | .455 | 11693 | 20.5 | 35 | -N | C | 1052 | .95 | 1.10 | | | | |
| KHAR | 22 | 1045 | 1125 | 1055 | S10 | W24 | .411 | 11693 | 20.6 | 40 | 1N | P | 1051 | 4.18 | 4.60 | 2.30 | | | E |
| CANR | 22 | 1046 | 1112 | 1056 | S13 | W23 | .407 | 11693 | 20.7 | 26 | 1N | 2 C | 1056 | 2.04 | 2.26 | | | | |
| ATHN | 22 | 1052E | 1108D | 1052 | S16 | W25 | .451 | 11693 | 20.6 | 160 | -N | 2 C | | 1.16 | | | | | F |
| RAMY | 22 | 1113E | 1125 | 1113 | S13 | W25 | .436 | 11693 | 20.6 | 120 | -F | 1 C | | 1.67 | | | | | F |
| GRP42140 | 22 | 1434 | 1515 | 1439 | S14 | W27 | .469 | 11693 | 20.6 | 41 | 1B | | | 3.07 | | | | | 5 5 5 6 |
| HTPR | 22 | 1432 | 1500 | 1440 | S12 | W27 | .462 | 11693 | 20.6 | 28 | 1B | C | 1440 | 2.06 | 2.20 | | | | EW |
| CAPE | 22 | 1433 | 1525 | 1440 | S13 | W28 | .480 | 11693 | 20.5 | 52 | 1B | C | 1440 | 1.87 | 2.10 | | | | |
| RAMY | 22 | 1434 | 1530 | 1439 | S13 | W28 | .480 | 11693 | 20.5 | 56 | 1B | 3 C | | 3.09 | | | | | ZF |
| HTPR | 22 | 1435 | 1500 | 1440 | S18 | W25 | .463 | 11693 | 20.7 | 25 | -N | C | 1440 | .52 | .60 | | | | |
| CANR | 22 | 1438E | 1505U | 1438U | S13 | W28 | .480 | 11693 | 20.5 | 27D | 1B | 2 C | 1438 | 2.80 | 3.24 | | | | |
| CAPS | 22 | 1440E | 1453D | | S15 | W25 | .445 | 11693 | 20.7 | 13D | 2B | 2 S | 1441 | 5.00 | 5.50 | | | 385 | |
| GRP42144 | 22 | 1824 | 1841 | 1827 | S17 | W46 | .726 | 11693 | 19.3 | 17 | --F | | | .28 | | | | | 2 2 1 3 |
| LOCK | 22 | 1820 | 1842 | 1825 | S18 | W45 | .716 | 11693 | 19.4 | 22 | -F | C | | | | | | | |
| RAMY | 22 | 1827 | 1840 | 1829 | S16 | W46 | .724 | 11693 | 19.3 | 13 | -F | 2 C | | .28 | | | | | D |
| 145 LOCK | 22 | 1930 | 1940 | 1934 | S21 | W29 | .534 | 11693 | 20.6 | 10 | --F | C | | | | | | | 3 |
| 146 LOCK | 22 | 2208 | 2230 | 2215 | S17 | W31 | .538 | 11693 | 20.6 | 22 | --F | C | | | | | | | 3 |
| 147 LOCK | 22 | 2300 | 2325 | 2307 | S17 | W31 | .538 | 11693 | 20.6 | 25 | --F | C | | | | | | | 4 |

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Confirmed
JANUARY 1972

| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION MIN. | IM- POR- TANCE | OBS. COND. TYPE | MEASUREMENTS | | | | | REMARKS |
|-------------|-------------|-------|-------|------------|----------|---------------|---------------------|----------------------------|------------|------------------|----------------------|--------------------|--------------|---------------------------|---------------------------|---------------------|-------------------|---------|
| | DATE | START | END | MAX. PHASE | APPROX. | | CENTRAL DISTANCE | MC MATH FLARE REGION | CMP DAY | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hr | MAX. INT. % | |
| | | | | | LAT. | MER. DIST. | | | | | | | | | | | | |
| | 1972 JAN | | | | | | | | | | | | | | | | | |
| GRP42148 | 22 | 2326 | 2344 | 2330 | S18 | W44 | .705 | 11693 | 19.7 | 18 | -N | | | .80 | | | 2 2 1 5 | |
| LOCK | 22 | 2326 | 2342 | 2330 | S18 | W48 | .750 | 11693 | 19.4 | 16 | -N | C | | | | | | |
| CRON | 22 | 2330E | 2346 | | S18 | W47 | .739 | 11693 | 19.5 | 16D | -N | 3 V | | .80 | | | | |
| CRON | 22 | 2340 | 2359 | | S16 | W32 | .547 | 11693 | 20.6 | 19 | -F | 3 V | | 1.70 | | | | |
| 149 VORD | 23 | 0004E | 0024 | | S15 | W36 | .597 | 11693 | 20.3 | 20D | -B | C | 0004 | 1.02 | 1.30 | 117 | E 2 | |
| 150 VORD | 23 | 0004E | 0028 | | N14 | W46 | .761 | 11696 | 19.6 | 24D | -B | C | 0006 | .93 | 1.40 | 70 | EHJ 2 | |
| GRP42152 | 23 | 0258 | 0303 | 0259 | S17 | W33 | .564 | 11693 | 20.6 | 5 | --F | | | .77 | | | 2 2 2 6 | |
| CRON | 23 | 0257 | 0306 | | S16 | W33 | .560 | 11693 | 20.6 | 9 | -F | 2 V | | .50 | | | | |
| MITK | 23 | 0258 | 0300 | 0259 | S18 | W33 | .568 | 11693 | 20.6 | 2 | -F | C | 0259 | 1.03 | 1.30 | | D | |
| GRP42153 | 23 | 0321 | 0340 | 0324 | S17 | W51 | .780 | 11693 | 19.3 | 19 | -B | | | 1.80 | | | 7 6 6 7 | |
| MITK | 23 | 0319 | 0345 | 0328 | S16 | W52 | .789 | 11693 | 19.2 | 26 | -B | C | 0328 | 1.24 | 2.00 | | E | |
| VORD | 23 | 0319 | 0342 | 0322 | S17 | W50 | .769 | 11693 | 19.4 | 23 | -B | C | 0322 | 1.20 | 1.80 | 87 | EJ | |
| PALE | 23 | 0319 | 0340 | 0321 | S18 | W51 | .781 | 11693 | 19.3 | 21 | -B | 2 C | | 1.27 | | | F | |
| CRON | 23 | 0322E | 0348 | 0326 | S17 | W51 | .780 | 11693 | 19.3 | 26D | 1N | 1 V | 0326 | 1.80 | | | | |
| KODA | 23 | 0324 | 0341 | 0324 | S17 | W52 | .790 | 11693 | 19.2 | 17 | 1B | P | 0332 | 3.66 | 3.70 | 2.72 | ER | |
| MANI | 23 | 0324E | 0326 | 0325 | S17 | W51 | .780 | 11693 | 19.3 | 20 | 1B | 2 | 0325 | 1.65 | 2.60 | | | |
| CULG | 23 | 0326E | 0353 | | S28 | W48 | .775 | 11693 | 19.5 | 27D | 1B | P | 0328 | 1.86 | 2.97 | | | |
| GRP42156 | 23 | 0917 | 0930 | 0924 | N15 | W47 | .775 | 11696 | 19.9 | 13 | --F | | | .37 | | | 3 3 3 5 | |
| CANR | 23 | 0914 | 0930 | | N16 | W50 | .808 | 11696 | 19.6 | 16 | -N | 2 V | 0920 | .30 | .50 | | | |
| HTRP | 23 | 0914 | 0918 | 0916 | N15 | W45 | .755 | 11696 | 20.0 | 4 | -F | C | 0916 | .21 | .30 | | | |
| CRON | 23 | 0922 | 0930 | 0924 | N15 | W47 | .775 | 11696 | 19.9 | 8 | -F | 3 V | | .40 | | | | |
| HTRP | 23 | 0922 | 0929 | 0924 | N15 | W45 | .755 | 11696 | 20.0 | 7 | -F | C | 0924 | .41 | .60 | | | |
| GRP42157 | 23 | 0947 | 1001 | 0951 | N16 | W47 | .779 | 11696 | 19.9 | 14 | --F | | | .48 | | | 4 4 4 6 | |
| HTRP | 23 | 0946 | 1000 | 0948 | N15 | W45 | .755 | 11696 | 20.0 | 14 | -F | C | 0948 | .41 | .60 | | E | |
| CRON | 23 | 0947 | 0959 | | N15 | W47 | .775 | 11696 | 19.9 | 12 | -F | 3 V | | .40 | | | | |
| CANR | 23 | 0949 | 1045 | 0950 | N16 | W50 | .808 | 11696 | 19.7 | 56 | -N | 2 V | 0950 | .60 | .90 | | | |
| CATA | 23 | 0955E | 1005D | 0955 | N18 | W46 | .777 | 11696 | 20.0 | 10D | -N | P | 0955 | .52 | .85 | 174 | T | |
| GRP42158 | 23 | 1005 | 1150 | 1027 | N15 | W48 | .785 | 11696 | 19.8 | 105 | -F | | | 1.26 | | | 2 2 2 6 | |
| HTRP | 23 | 1005 | 1150 | 1027 | N15 | W48 | .785 | 11696 | 19.8 | 105 | -F | C | 1027 | .52 | .70 | | | |
| HTRP | 23 | 1005 | 1150 | 1112 | N15 | W48 | .785 | 11696 | 19.8 | 105 | -F | | | | | | | |
| CAPS | 23 | 1013E | 1013D | | N15 | W47 | .775 | 11696 | 19.9 | | 1N | 1 S | 1013 | 2.00 | 3.10 | | | |
| GRP42160 | 23 | 1321 | 1333 | 1322 | N14 | W52 | .820 | 11696 | 19.7 | 12 | --F | | | .19 | | | 2 2 2 4 | |
| CATA | 23 | 1320E | 1325D | 1320 | N17 | W50 | .811 | 11696 | 19.8 | 5D | -N | P | 1320 | .17 | .30 | 182 | | |
| HTRP | 23 | 1322 | 1333 | 1324 | N10 | W54 | .828 | 11696 | 19.5 | 11 | -F | C | 1324 | .21 | .30 | | | |
| 161 RAMY | 23 | 1452 | 1526 | 1455 | S16 | W41 | .664 | 11693 | 20.5 | 34 | --N | 2 C | | .57 | | | D 2 | |
| GRP42163 | 23 | 1840 | 1859 | 1843 | S17 | W60 | .864 | 11693 | 19.3 | 19 | --F | | | | | | 2 2 0 2 | |
| LOCK | 23 | 1840 | 1900 | 1845 | S18 | W61 | .873 | 11693 | 19.2 | 20 | -F | C | | | | | | |
| BOUL | 23 | 1840E | 1858 | 1840 | S16 | W59 | .855 | 11693 | 19.4 | 18D | -N | 1 V | | | | | | |
| GRP42164 | 23 | 1907 | 1919 | 1911 | S15 | W45 | .710 | 11693 | 20.4 | 12 | --F | | | .30 | | | 2 2 1 2 | |
| LOCK | 23 | 1907 | 1920 | 1910 | S15 | W44 | .698 | 11693 | 20.5 | 13 | -F | | | | | | | |
| HUAN | 23 | 1907 | 1918 | 1912 | S15 | W45 | .710 | 11693 | 20.4 | 11 | -F | 2 C | 1912 | .30 | .42 | | T | |
| 165 HUAN | 23 | 1928 | 1930 | 1929 | S20 | W42 | .687 | 11693 | 20.7 | 2 | --N | 2 C | 1929 | .25 | .33 | | D 2 | |
| 166 HUAN | 23 | 2006 | 2010 | 2008 | S10 | W47 | .729 | 11693 | 20.3 | 4 | --F | 2 C | 2008 | .28 | .40 | | D 3 | |
| GRP42167 | 23 | 2055 | 2103 | 2056 | S21 | W42 | .690 | 11693 | 20.7 | 8 | --N | | | .62 | | | 3 3 2 3 | |
| BOUL | 23 | 2054 | 2107 | 2056 | S18 | W42 | .681 | 11693 | 20.7 | 13 | -N | 3 V | 2056 | .90 | 1.00 | | | |
| HUAN | 23 | 2055 | 2101 | 2056 | S20 | W43 | .698 | 11693 | 20.6 | 6 | -N | 2 C | 2056 | .33 | .45 | | D | |
| LOCK | 23 | 2055 | 2102 | 2056 | S24 | W41 | .690 | 11693 | 20.8 | 7 | -B | C | | | | | | |
| GRP42168 | 23 | 2116 | 2120 | 2117 | S12 | W48 | .742 | 11693 | 20.3 | 4 | --F | | | .30 | | | 2 2 1 2 | |
| LOCK | 23 | 2115 | 2120 | 2117 | S13 | W48 | .742 | 11693 | 20.3 | 5 | -F | C | | | | | | |
| HUAN | 23 | 2116 | 2119 | 2117 | S10 | W48 | .740 | 11693 | 20.3 | 3 | -F | 2 C | 2117 | .30 | .44 | | D | |
| GRP42169 | 23 | 2241 | 2247 | 2242 | S16 | W44 | .700 | 11693 | 20.6 | 6 | --N | | | 1.50 | | | 2 1 1 3 | |
| BOUL | 23 | 2241 | 2247 | 2242 | S16 | W44 | .700 | 11693 | 20.6 | 6 | -N | 3 V | 2242 | 1.50 | 1.56 | | | |
| LOCK | 23 | 2242 | 2250 | 2245 | S17 | W54 | .810 | 11693 | 19.9 | 8 | -F | C | | | | | | |
| 170 LOCK | 23 | 2305 | 2317 | 2310 | S19 | W43 | .695 | 11693 | 20.7 | 12 | --F | C | | | | | 2 | |
| 171 MANI | 24 | 0149E | 0213 | 0208 | S19 | W47 | .740 | 11693 | 20.6 | 24D | -N | 2 | 0208 | .72 | 1.08 | | 1 | |
| GRP42176 | 24 | 0843 | 0858 | 0853 | S15 | E66 | .910 | 11707 | 29.3 | 15 | --F | | | .61 | | | 3 2 2 8 | |
| TEHR | 24 | 0834 | 0855 | 0837 | S15 | E65 | .903 | 11707 | 29.2 | 21 | -N | 2 C | | | | | D | |
| CRON | 24 | 0843E | 0855 | | S13 | E63 | .887 | 11707 | 29.1 | 12D | -F | 3 V | | .50 | | | | |
| MANI | 24 | 0853E | 0900 | 0853 | S17 | E68 | .923 | 11707 | 29.5 | 7D | -F | 2 | 0853 | .72 | 1.50 | | | |

SOLAR FLARES
Confirmed
JANUARY 1972

| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION MIN. | IM- POR- TANCE | OBS. COND. TYPE | MEASUREMENTS | | | | | REMARKS | |
|-------------|-------------|-------|-------|------------|----------|------------|------------------|---------------------|---------|------------------|----------------------|--------------------|--------------|---------------------|---------------------|---------------|-------------|---------|---------|
| | DATE | START | END | MAX. PHASE | APPROX. | | CENTRAL DISTANCE | MCARTH PLAGE REGION | CMP DAY | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hg | MAX. INT. % | | |
| | | | | | LAT. | MER. DIST. | | | | | | | | | | | | | |
| 1972 JAN | | | | | | | | | | | | | | | | | | | |
| GRP42177 | 24 | 1146 | 1204 | 1147 | S14 | W56 | .827 | 11693 | 20.3 | 18 | --N | | | | | | | | |
| RAMY | 24 | 1145E | 1207 | 1145 | S14 | W56 | .827 | 11693 | 20.3 | 220 | -F | 2 | C | | .55 | | | | 3 3 3 6 |
| ATHN | 24 | 1147E | 1148D | 1148 | S15 | W56 | .827 | 11693 | 20.3 | 1D | -N | 2 | C | | .93 | | | | D |
| CANR | 24 | 1147 | 1200 | 1149 | S12 | W57 | .835 | 11693 | 20.2 | 13 | -N | 3 | V | 1149 | .33 | .70 | | | D |
| GRP42178 | 24 | 1315 | 1336 | 1316 | S17 | W72 | .947 | 11693 | 19.2 | 21 | -N | | | | .47 | | | | 3 3 3 6 |
| RAMY | 24 | 1313 | 1335 | 1316 | S18 | W70 | .936 | 11693 | 19.3 | 22 | -F | 2 | C | | .46 | | | | D |
| ARCE | 24 | 1315 | 1335 | 1316 | S16 | W71 | .941 | 11693 | 19.2 | 20 | -N | | C | 1316 | .46 | | | | |
| CANR | 24 | 1317 | 1338 | | S17 | W75 | .962 | 11693 | 18.9 | 21 | -N | 2 | V | 1318 | .50 | .80 | | | |
| GRP42179 | 24 | 1336 | 1355 | 1340 | S16 | W57 | .837 | 11693 | 20.3 | 19 | --F | | | | .67 | | | | 2 2 2 5 |
| ARCE | 24 | 1335 | 1350D | 1340 | S16 | W57 | .837 | 11693 | 20.3 | 15D | -N | | C | 1340 | .83 | 1.50 | | | |
| CANR | 24 | 1337 | 1355 | | S15 | W57 | .836 | 11693 | 20.3 | 18 | -F | 2 | V | 1340 | .50 | .80 | | | |
| GRP42180 | 24 | 1435 | 1603 | 1511 | S17 | W53 | .800 | 11693 | 20.6 | 88 | -N | | | | .78 | | | | 5 5 5 5 |
| CANR | 24 | 1421 | 1430D | | S21 | W53 | .805 | 11693 | 20.6 | 9D | -N | 2 | V | 1430 | .25 | .40 | | | |
| CAPE | 24 | 1426 | 1453D | 1451 | S18 | W54 | .811 | 11693 | 20.6 | 27D | -N | | P | 1451 | .95 | 1.60 | | | |
| RAMY | 24 | 1443 | 1525 | 1446 | S18 | W52 | .791 | 11693 | 20.7 | 42 | -N | 2 | C | | .57 | | | | D |
| BOUL | 24 | 1446 | 1630 | 1446 | S17 | W54 | .810 | 11693 | 20.6 | 104 | -N | 2 | V | 1446 | .95 | 1.40 | | | |
| CANR | 24 | 1448E | 1542 | 1448 | S19 | W55 | .821 | 11693 | 20.5 | 54D | -N | 2 | V | 1448 | .45 | .80 | | | |
| CATA | 24 | 1530E | 1535D | 1530 | S14 | W52 | .787 | 11693 | 20.7 | 5D | -N | | P | 1530 | .98 | 1.64 | | 182 | |
| CATA | 24 | 1535E | 1545D | 1540 | S14 | W52 | .787 | 11693 | 20.7 | 100 | -N | | P | 1540 | .69 | 1.16 | | 182 | |
| RAMY | 24 | 1556 | 1615 | 1601 | S19 | W54 | .812 | 11693 | 20.6 | 19 | -N | 2 | C | | 1.13 | | | | F |
| 181 BOUL | 24 | 1511 | 1523 | 1515 | N13 | E77 | .980 | 11709 | 30.4 | 12 | --F | 1 | C | 1515 | .32 | | | | 3 |
| GRP42182 | 24 | 1653 | 1700 | 1653 | N16 | W68 | .943 | 11696 | 19.6 | 7 | --F | | | | .35 | | | | 2 2 2 4 |
| BOUL | 24 | 1653 | 1700 | 1653 | N16 | W69 | .948 | 11696 | 19.5 | 7 | -F | 2 | V | 1653 | .30 | 1.00 | | | |
| CANR | 24 | 1653 | 1654D | | N16 | W66 | .932 | 11696 | 19.8 | 1D | -F | 1 | V | 1654 | .40 | .70 | | | |
| GRP42183 | 24 | 1716 | 1727 | 1721 | N16 | E76 | .979 | 11709 | 30.4 | 11 | --F | | | | .25 | | | | 2 2 1 3 |
| CANR | 24 | 1714 | 1727 | | N15 | E77 | .981 | 11709 | 30.5 | 13 | -N | 1 | V | 1716 | .25 | .50 | | | |
| LOCK | 24 | 1717 | 1726 | 1721 | N16 | E74 | .971 | 11709 | 30.3 | 9 | -F | | C | | | | | | |
| GRP42185 | 24 | 1740 | 1800 | 1743 | S14 | W16 | .308 | 11700 | 23.5 | 20 | --F | | | | .45 | | | | 2 2 1 4 |
| LOCK | 24 | 1740 | 1800 | 1743 | S15 | W17 | .330 | 11700 | 23.5 | 20 | -F | | C | | | | | | |
| CANR | 24 | 1740 | 1742D | | S13 | W14 | .272 | 11700 | 23.7 | 2D | -F | 1 | V | 1742 | .45 | .50 | | | |
| GRP42186 | 24 | 1815 | 1826 | 1818 | S18 | W56 | .830 | 11693 | 20.6 | 11 | --F | | | | .67 | | | | 2 2 1 3 |
| LOCK | 24 | 1814 | 1824 | 1818 | S19 | W56 | .831 | 11693 | 20.6 | 10 | -F | | C | | | | | | |
| RAMY | 24 | 1815 | 1828 | 1817 | S17 | W56 | .829 | 11693 | 20.6 | 13 | -F | 2 | C | | .67 | | | | D |
| GRP42187 | 24 | 1852 | 1923 | 1857 | S18 | W73 | .952 | 11693 | 19.3 | 31 | --F | | | | .36 | | | | 3 2 1 3 |
| LOCK | 24 | 1850 | 1930 | 1858 | S17 | W73 | .952 | 11693 | 19.3 | 40 | -F | | C | | | | | | |
| RAMY | 24 | 1853 | 1915 | 1855 | S18 | W72 | .947 | 11693 | 19.4 | 22 | -F | 2 | C | | .36 | | | | D |
| HUAN | 24 | 1902E | 1917 | 1911D | S17 | W77 | .970 | 11693 | 19.0 | 15D | -F | 1 | P | 1911 | .43 | | | | |
| 188 RAMY | 24 | 2046E | 2110 | 2046 | N12 | W70 | .950 | 11696 | 19.6 | 24D | --F | 1 | C | | .46 | | | | D 3 |
| GRP42189 | 24 | 2055 | 2113 | 2100 | S15 | W25 | .444 | 11700 | 23.0 | 18 | --F | | | | .68 | | | | 3 3 2 3 |
| RAMY | 24 | 2053 | 2120 | 2101 | S15 | W25 | .444 | 11700 | 23.0 | 27 | -F | 2 | C | | .93 | | | | D |
| LOCK | 24 | 2055 | 2113 | 2100 | S15 | W25 | .444 | 11700 | 23.0 | 18 | -F | | C | | | | | | |
| BOUL | 24 | 2056 | 2105 | 2059 | S15 | W24 | .430 | 11700 | 23.1 | 9 | -F | 2 | C | 2059 | .43 | .48 | | | |
| GRP42190 | 24 | 2302 | 2328 | 2308 | S19 | W58 | .848 | 11693 | 20.6 | 26 | --F | | | | .27 | | | | 2 1 1 3 |
| LOCK | 24 | 2302 | 2328 | 2308 | S19 | W58 | .848 | 11693 | 20.6 | 26 | -F | | C | | | | | | |
| PALE | 24 | 2322 | 2330 | 2323 | S18 | W57 | .839 | 11693 | 20.7 | 8 | -F | 3 | C | | .27 | | | | F |
| 191 PALE | 25 | 0042 | 0102 | 0047 | S04 | E78 | .977 | 11708 | 30.9 | 20 | --F | 2 | C | | .55 | | | | F 2 |
| GRP42193 | 25 | 0610 | 0622 | 0613 | S14 | W66 | .909 | 11693 | 20.3 | 12 | -N | | | | .58 | | | | 3 3 3 4 |
| CRON | 25 | 0610E | 0617 | 0612 | S13 | W67 | .916 | 11693 | 20.2 | 7D | -F | 3 | V | 0612 | .50 | | | | |
| ATHN | 25 | 0613E | 0621D | 0613 | S15 | W65 | .902 | 11693 | 20.4 | 8D | -N | 1 | C | | .83 | | | | F |
| MANI | 25 | 0613E | 0628 | 0613 | S15 | W66 | .909 | 11693 | 20.3 | 15D | -N | 2 | | 0613 | .41 | .83 | | | |
| 194 ATHN | 25 | 0646E | 0658 | 0648 | S07 | W15 | .259 | 11705 | 24.2 | 12D | -N | 2 | C | | .99 | | | | F 3 |
| GRP42195 | 25 | 0648 | 0709 | 0650 | S15 | W66 | .909 | 11693 | 20.3 | 21 | -F | | | | .58 | | | | 2 2 2 3 |
| ATHN | 25 | 0648 | 0659D | 0650 | S15 | W65 | .902 | 11693 | 20.4 | 11D | -N | 2 | C | | .66 | | | | F |
| CRON | 25 | 0650E | 0709 | | S14 | W66 | .909 | 11693 | 20.3 | 19D | -F | 3 | V | | .50 | | | | |
| GRP42197 | 25 | 0706 | 0755 | 0714 | S15 | W67 | .916 | 11693 | 20.3 | 49 | -N | | | | .70 | | | | 4 4 4 5 |
| MANI | 25 | 0659E | 0815 | 0714 | S16 | W67 | .916 | 11693 | 20.3 | 76D | -N | 2 | | 0714 | .83 | 1.70 | | | |
| MANI | 25 | 0659E | 0815 | | S16 | W67 | .916 | 11693 | 20.3 | 76D | -N | | | 0730 | 1.03 | 2.14 | | | |
| CATA | 25 | 0705E | 0740 | 0710 | S14 | W66 | .909 | 11693 | 20.3 | 35D | 1B | | P | 0710 | 1.27 | | | 229 | |
| CRON | 25 | 0713 | 0738 | 0714 | S14 | W66 | .909 | 11693 | 20.4 | 25 | -F | 3 | V | 0714 | .35 | | | | |
| ATHN | 25 | 0717E | 0719D | 0717 | S15 | W68 | .923 | 11693 | 20.2 | 2D | -N | 2 | C | | .33 | | | | D |
| CRON | 25 | 0743E | 0751 | | S14 | W67 | .916 | 11693 | 20.3 | 8D | -F | 3 | V | | .50 | | | | |

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| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION MIN. | IM-POR-TANCE | OBS. COND. | TYPE | MEASUREMENTS | | | | | REMARKS |
|-------------|-------------|-------|-------|------------|----------|------------|----------|--------------|------|---------------|--------------|------------|------|--------------|---------------------|---------------------|---------------|-------------|---------|
| | DATE | START | END | MAX. PHASE | APPROX. | | CENTRAL | MCMATH | CMP | | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Ha | MAX. INT. % | |
| | 1972 JAN | | | | LAT. | MER. DIST. | DISTANCE | PLAGE REGION | DAY | | | | | | | | | | |
| 205 HTPR | 25 | 1318 | 1350 | 1324 | S08 | W17 | .294 | 11705 | 24.3 | 32 | --N | C | 1324 | .52 | .50 | | | E 2 | |
| GRP42207 | 25 | 1622 | 1637 | 1628 | S18 | W87 | .997 | 11693 | 19.2 | 15 | -N | | | .34 | | | | 3 3 2 4 | |
| CANR | 25 | 1620 | 1637 | 1628 | S17 | W83 | .990 | 11693 | 19.5 | 17 | -N | 2 | C | 1628 | .43 | | | D | |
| MCMA | 25 | 1623E | 1629D | | S19 | W90 | 1.000 | 11693 | 18.9 | 6D | -F | P | 1627 | | | | | | |
| BOUL | 25 | 1624 | 1636 | 1628 | S17 | W88 | .998 | 11693 | 19.1 | 12 | -N | 1 | V | 1628 | .25 | .75 | | | |
| GRP42209 | 25 | 1748 | 1800 | 1755 | N16 | E62 | .906 | 11709 | 30.4 | 12 | --F | | | .45 | | | | 2 2 1 3 | |
| RAMY | 25 | 1745E | 1750D | | N16 | E61 | .899 | 11709 | 30.3 | 5D | -N | 1 | C | | | | | D | |
| PALE | 25 | 1750 | 1800 | 1755 | N16 | E62 | .906 | 11709 | 30.4 | 10 | -F | 3 | C | | .45 | | | F | |
| GRP42210 | 25 | 1825 | 1856 | 1836 | S08 | W19 | .326 | 11705 | 24.3 | 31 | --F | | | .30 | | | | 2 2 2 3 | |
| PALE | 25 | 1824 | 1854 | 1838 | S09 | W19 | .328 | 11705 | 24.3 | 30 | -N | 3 | C | | .27 | | | | |
| PALE | 25 | 1824 | 1854 | 1827 | S09 | W19 | .328 | 11705 | 24.3 | 30 | -F | 3 | C | | .36 | | | F | |
| BOUL | 25 | 1825 | 1848 | 1834 | S07 | W20 | .341 | 11705 | 24.3 | 23 | -F | 1 | C | 1834 | .32 | .34 | | | |
| BOUL | 25 | 1835 | 1858 | 1842 | S07 | W18 | .308 | 11705 | 24.4 | 23 | -F | 2 | V | | | | | | |
| GRP42212 | 25 | 2012 | 2017 | 2015 | N16 | E60 | .892 | 11709 | 30.3 | 5 | --N | | | .33 | | | | 3 3 3 4 | |
| MCMA | 25 | 2011 | 2016 | 2013 | N16 | E60 | .892 | 11709 | 30.3 | 5 | -N | C | 2013 | .21 | .50 | | | D | |
| RAMY | 25 | 2013 | 2018 | 2016 | N16 | E61 | .899 | 11709 | 30.4 | 5 | -N | 2 | C | | .41 | | | D | |
| PALE | 25 | 2014E | 2016D | 2015 | N15 | E60 | .890 | 11709 | 30.3 | 2D | -F | 3 | C | | .36 | | | | |
| 213 RAMY | 25 | 2029 | 2036 | 2032 | N16 | E61 | .899 | 11709 | 30.4 | 7 | --F | 2 | C | | .62 | | | F 3 | |
| 214 PALE | 25 | 2119 | 2140 | 2121 | N15 | E60 | .890 | 11709 | 30.4 | 21 | -F | 3 | C | | .36 | | | H 2 | |
| 214 PALE | 25 | 2119 | 2140 | 2133 | N15 | E60 | .890 | 11709 | 30.4 | 21 | *-N | 3 | C | | .81 | | | 3 | |
| 215 PALE | 25 | 2155 | 2209 | 2157 | N15 | E60 | .890 | 11709 | 30.4 | 14 | -F | 3 | C | | .19 | | | H 3 | |
| 215 PALE | 25 | 2155 | 2209 | 2203 | N15 | E60 | .890 | 11709 | 30.4 | 14 | *-N | 3 | C | | .68 | | | 3 | |
| 216 PALE | 25 | 2235 | 2250 | 2238 | S13 | W33 | .550 | 11700 | 23.5 | 15 | --F | 3 | C | | .45 | | | F 2 | |
| 218 PALE | 25 | 2306 | 2317 | 2309 | S12 | W33 | .548 | 11700 | 23.5 | 11 | --N | 3 | C | | .72 | | | F 3 | |
| GRP42221 | 26 | 0030 | 0043 | 0036 | N16 | E57 | .869 | 11709 | 30.3 | 13 | --F | | | .49 | | | | 3 3 3 5 | |
| MANI | 26 | 0027 | 0050 | 0034 | N19 | E57 | .877 | 11709 | 30.3 | 23 | -N | 2 | | .52 | .95 | | | | |
| CRON | 26 | 0031E | 0038 | | N13 | E57 | .862 | 11709 | 30.3 | 7D | -F | 3 | V | | .40 | | | | |
| PALE | 26 | 0033 | 0040D | 0038 | N16 | E57 | .869 | 11709 | 30.3 | 7D | -F | 2 | C | | .55 | | | F | |
| GRP42222 | 26 | 0126 | 0140 | 0129 | N17 | E58 | .879 | 11709 | 30.4 | 14 | -N | | | .61 | | | | 4 4 4 5 | |
| MANI | 26 | 0125 | 0145 | 0132 | N18 | E57 | .874 | 11709 | 30.3 | 20 | -N | 2 | | .83 | 1.50 | | | | |
| CRON | 26 | 0126E | 0137 | 0127 | N14 | E58 | .873 | 11709 | 30.4 | 11D | -N | 3 | V | 0127 | .50 | | | | |
| VORD | 26 | 0126 | 0134 | 0127 | N18 | E58 | .882 | 11709 | 30.4 | 8 | -B | | C | 0127 | .65 | 1.30 | 69 | DHJ | |
| PALE | 26 | 0129E | 0142 | 0129 | N16 | E57 | .869 | 11709 | 30.3 | 13D | -F | 2 | C | | .45 | | | F | |
| GRP42223 | 26 | 0303 | 0326 | 0306 | N15 | E54 | .842 | 11709 | 30.2 | 23 | -N | | | .64 | | | | 4 4 4 7 | |
| MITK | 26 | 0259 | 0331 | 0304 | N13 | E55 | .845 | 11709 | 30.2 | 32 | -B | | C | 0304 | .62 | 1.10 | | D | |
| VORD | 26 | 0302 | 0327 | 0305 | N16 | E47 | .780 | 11709 | 29.7 | 25 | -B | | C | 0305 | .74 | 1.40 | 64 | DJ | |
| MANI | 26 | 0304E | 0335 | 0310 | N18 | E55 | .858 | 11709 | 30.3 | 31D | -N | 2 | | 0310 | .83 | 1.50 | | | |
| CRON | 26 | 0305 | 0310 | 0306 | N12 | E58 | .868 | 11709 | 30.5 | 5 | -F | 3 | V | 0306 | .35 | | | | |
| GRP42224 | 26 | 0346 | 0357 | 0349 | N14 | E55 | .848 | 11709 | 30.3 | 11 | -N | | | 1.08 | | | | 3 3 3 5 | |
| MANI | 26 | 0345 | 0403 | 0348 | N16 | E55 | .853 | 11709 | 30.3 | 18 | -B | 2 | | 0348 | 1.13 | 2.00 | | | |
| CRON | 26 | 0346 | 0358 | 0350 | N12 | E55 | .843 | 11709 | 30.3 | 12 | -N | 2 | C | 0350 | .32 | .59 | | | |
| SIBE | 26 | 0348E | 0351 | | N14 | E55 | .848 | 11709 | 30.3 | 3D | 1N | P | 0348 | 1.78 | 3.07 | 85 | CD | | |
| GRP42227 | 26 | 0814 | 0818 | 0815 | S14 | W82 | .987 | 11693 | 20.2 | 4 | --F | | | .33 | | | | 2 2 2 4 | |
| HTPR | 26 | 0814 | 0818 | 0815 | S14 | W85 | .994 | 11693 | 20.0 | 4 | -F | | | .31 | | | | E | |
| CRON | 26 | 0814E | 0818 | | S13 | W78 | .975 | 11693 | 20.5 | 4D | -F | 3 | V | | .35 | | | | |
| GRP42229 | 26 | 0921 | 0943 | 0929 | N15 | E53 | .833 | 11709 | 30.4 | 22 | -N | | | .61 | | | | 5 5 5 6 | |
| HTPR | 26 | 0919 | 0945 | 0923 | N16 | E51 | .818 | 11709 | 30.2 | 26 | -N | | C | 0923 | .72 | 1.30 | | K | |
| HTPR | 26 | 0919 | 0945 | 0929 | N16 | E52 | .827 | 11709 | 30.3 | 26 | -N | | C | 0929 | .31 | .60 | | KE | |
| CAPE | 26 | 0921 | 0940 | 0925 | N15 | E52 | .824 | 11709 | 30.3 | 19 | -N | C | | 0925 | .99 | 1.80 | | | |
| CRON | 26 | 0922 | 0940 | 0933 | N14 | E51 | .811 | 11709 | 30.2 | 18 | -N | 2 | C | 0933 | .32 | .55 | | | |
| CANR | 26 | 0923 | 0945 | 0929 | N16 | E52 | .827 | 11709 | 30.3 | 22 | -N | 2 | V | 0925 | .50 | .80 | | | |
| ATHN | 26 | 0934E | 0937D | 0934 | N12 | E57 | .860 | 11709 | 30.7 | 3D | -N | 1 | C | | .50 | | | F | |
| 232 HTPR | 26 | 1115 | 1200 | 1128 | N16 | E50 | .809 | 11709 | 30.2 | 45 | --N | | | 1128 | .21 | .40 | | EH 3 | |
| GRP42233 | 26 | 1222 | 1237 | 1230 | N15 | E50 | .805 | 11709 | 30.3 | 15 | --N | | | .56 | | | | 3 3 3 4 | |
| HTPR | 26 | 1215 | 1240 | 1223 | N16 | E50 | .809 | 11709 | 30.3 | 25 | -N | | C | 1223 | .31 | .50 | | E | |
| CANR | 26 | 1222 | 1235 | 1225 | N17 | E50 | .812 | 11709 | 30.3 | 13 | -N | 3 | V | 1225 | .50 | .80 | | | |
| RAMY | 26 | 1230 | 1239 | 1233 | N15 | E50 | .805 | 11709 | 30.3 | 9 | -F | 2 | C | | .67 | | | D | |
| HTPR | 26 | 1230 | 1236 | 1232 | N13 | E50 | .799 | 11709 | 30.3 | 6 | -N | | C | 1232 | .52 | .90 | | | |

SOLAR FLARES Confirmed JANUARY 1972

| OBSERV- ATORY | OBSERVED UT | | | | LOCATION | | | | | DURA- TION MIN. | IM- POR- TANCE | OBS. COND. TYPE | MEASUREMENTS | | | | | REMARKS |
|-----------------------------------|---------------------|-------|-------|---------------|----------|---------------|---------------------|---------------------------|------------|-----------------------|----------------------|--------------------|--------------|---------------------------|---------------------------|---------------------------------|---|---------|
| | DATE 1972 JAN | START | END | MAX. PHASE | APPROX. | | CENTRAL DISTANCE | MCMATH PLAGE REGION | CMP DAY | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH H _g | MAX. INT. % | |
| | | | | | LAT. | MER. DIST. | | | | | | | | | | | | |
| GRP42235 | 26 | 1416 | 1435 | 1422 | N15 | E49 | .796 | 11709 | 30.3 | 19 | -N | | | | | | 6 6 6 8 | |
| HTPR | 26 | 1415 | 1422D | 1421 | N16 | E49 | .799 | 11709 | 30.3 | 7D | -F | C | 1421 | .41 | .70 | | H | |
| CANR | 26 | 1415 | 1431 | 1421 | N14 | E48 | .782 | 11709 | 30.2 | 16 | -N | 2 C | 1421 | .54 | .86 | | | |
| HUAN | 26 | 1417 | 1437 | 1425U | N15 | E49 | .796 | 11709 | 30.3 | 20 | -N | 2 C | 1425 | .35 | .58 | | E | |
| CAPE | 26 | 1417 | 1437 | 1421 | N15 | E49 | .796 | 11709 | 30.3 | 20 | -F | C | 1421 | .91 | 1.50 | | H | |
| RAMY | 26 | 1417 | 1433 | 1421 | N15 | E49 | .796 | 11709 | 30.3 | 16 | -N | 3 C | | .83 | | | D | |
| ARCE | 26 | 1417E | 1426D | | N16 | E48 | .790 | 11709 | 30.2 | 9D | -N | C | 1420 | .89 | 1.40 | | | |
| 3 STATIONS REPORTING GROUP 42238. | | | | | | | | | | | | | | | | | 0 STATIONS OBSERVING AND NOT REPORTING. | |
| GRP42238 | 26 | 1610 | 1645 | 1622 | N16 | E48 | .790 | 11709 | 30.3 | 35 | -N | | | .65 | | | 2 2 2 2 | |
| HUAN | 26 | 1603 | 1645 | 1623 | N16 | E48 | .790 | 11709 | 30.3 | 42 | -N | 2 C | 1623 | .73 | 1.17 | | EK | |
| RAMY | 26 | 1617 | 1626D | 1621 | N16 | E47 | .780 | 11709 | 30.2 | 9D | -N | 3 C | | .57 | | | D | |
| 42238 | 26 | 1610 | 1644 | 1633 | N16 | E49 | .799 | 11709 | 30.3 | 34 | *-N | | | .30 | | | 2 2 2 2 | |
| HUAN | 26 | 1603 | 1645 | 1636 | N16 | E48 | .790 | 11709 | 30.3 | 42 | -N | | 1636 | .30 | .49 | | | |
| CANR | 26 | 1617 | 1642 | 1630 | N15 | E50 | .805 | 11709 | 30.4 | 25 | -N | 3 V | 1630 | .30 | | | | |
| 239 HUAN | 26 | 1704 | 1714 | 1708 | N15 | E53 | .833 | 11709 | 30.7 | 10 | --F | 2 C | 1708 | .40 | .72 | | 1 | |
| GRP42240 | 26 | 1800 | 1812 | 1803 | N16 | E59 | .885 | 11709 | 31.2 | 12 | --N | | | .46 | | | 3 3 2 3 | |
| HUAN | 26 | 1800 | 1812 | 1803 | N15 | E59 | .883 | 11709 | 31.2 | 12 | -N | 2 C | 1803 | .35 | .74 | | D | |
| LOCK | 26 | 1800 | 1810 | 1803 | N16 | E58 | .877 | 11709 | 31.1 | 10 | -N | C | | | | | | |
| RAMY | 26 | 1802E | 1814 | 1802 | N16 | E59 | .885 | 11709 | 31.2 | 12D | -N | 2 C | | .57 | | | D | |
| GRP42243 | 26 | 1959 | 2025 | 2005 | N17 | E48 | .793 | 11709 | 30.4 | 26 | --F | | | .54 | | | 4 4 3 4 | |
| LOCK | 26 | 1956 | 2020 | 2002 | N18 | E45 | .769 | 11709 | 30.2 | 24 | -F | C | | | | | | |
| RAMY | 26 | 1958 | 2029 | 2003 | N17 | E46 | .774 | 11709 | 30.3 | 31 | -F | 2 C | | .67 | | | D | |
| PALE | 26 | 1959 | 2032 | 2006 | N16 | E55 | .853 | 11709 | 31.0 | 33 | -N | 2 C | | .72 | | | UF | |
| PALE | 26 | 1959 | 2032 | 2014 | N16 | E55 | .853 | 11709 | 31.0 | 33 | -N | 2 C | | .45 | | | | |
| HUAN | 26 | 2004 | 2020 | 2008U | N15 | E46 | .766 | 11709 | 30.3 | 16 | -F | 2 C | 2008 | .23 | .35 | | | |
| 245 LOCK | 26 | 2157 | 2210 | 2202 | S11 | E31 | .517 | 11707 | 29.2 | 13 | --F | C | | | | | 3 | |
| GRP42246 | 27 | 0003 | 0015 | 0005 | S11 | E31 | .517 | 11707 | 29.3 | 12 | --F | | | .68 | | | 4 4 3 5 | |
| LOCK | 26 | 2359 | 0010 | 0003 | S11 | E31 | .517 | 11707 | 29.3 | 11 | -F | C | | | | | | |
| CRON | 27 | 0001 | 0007 | 0003 | S12 | E30 | .505 | 11707 | 29.3 | 6 | -F | 3 V | 0003 | .50 | | | | |
| VORD | 27 | 0002 | 0020 | 0003 | S09 | E31 | .514 | 11707 | 29.3 | 18 | -B | C | 0003 | 1.02 | 1.20 | | 70 EJ | |
| MANI | 27 | 0011 | 0022 | 0011 | S10 | E32 | .530 | 11707 | 29.4 | 11 | -F | 2 C | 0011 | .52 | .61 | | | |
| 248 CRON | 27 | 0427E | 0434 | | S12 | E28 | .475 | 11707 | 29.3 | 7D | --F | 3 V | | .65 | | | 3 | |
| GRP42250 | 27 | 0739 | 0752 | 0743 | S08 | W41 | .653 | 11705 | 24.2 | 13 | --F | | | .33 | | | 2 1 1 6 | |
| ATHN | 27 | 0739 | 0752 | 0743 | S08 | W41 | .653 | 11705 | 24.2 | 13 | -F | 1 C | | .33 | | | D | |
| CATA | 27 | 0740E | 0810 | 0805 | S09 | W41 | .653 | 11705 | 24.2 | 30D | -N | P | 0805 | .58 | .77 | | 166 | |
| 251 ATHN | 27 | 0819 | 0828 | 0822 | N06 | E65 | .913 | 11710 | 1.2 | 9 | --F | 1 C | | .33 | | | D 5 | |
| 254 RAMY | 27 | 1623 | 1638 | 1628 | S19 | W90 | .999 | 11693 | 20.9 | 15 | -N | 3 C | | | | | D 2 | |
| GRP42255 | 28 | 0109 | 0119 | 0111 | S10 | W50 | .762 | 11705 | 24.3 | 10 | -B | | | .72 | | | 2 2 2 5 | |
| CRON | 28 | 0108E | 0116 | 0108U | S08 | W50 | .762 | 11705 | 24.3 | 8D | -N | 3 V | 0108 | .50 | | | | |
| VORD | 28 | 0110 | 0121 | 0114 | S11 | W50 | .763 | 11705 | 24.3 | 11 | -B | C | 0114 | .93 | 1.40 | | 80 EJ | |
| GRP42256 | 28 | 0932 | 1010 | 0940 | N14 | E38 | .676 | 11709 | 31.2 | 38 | -N | | | .97 | | | 5 5 5 9 | |
| ATHN | 28 | 0930E | 0944D | 0941 | N13 | E39 | .682 | 11709 | 31.3 | 14D | -N | 2 C | | .66 | | | F | |
| CANR | 28 | 0930 | 1015 | 0932 | N15 | E36 | .659 | 11709 | 31.1 | 45 | -F | 3 V | 0932 | .50 | .60 | | | |
| CAPE | 28 | 0931 | 1016 | 0946 | N14 | E39 | .687 | 11709 | 31.3 | 45 | -N | C | 0946 | .86 | 1.20 | | | |
| CRON | 28 | 0934 | 1000 | 0942 | N13 | E37 | .659 | 11709 | 31.2 | 26 | -N | 2 C | 0942 | .54 | .72 | | | |
| KHAR | 28 | 0935 | 1010 | | N13 | E37 | .659 | 11709 | 31.2 | 35 | 1N | P | 0947 | 2.27 | 3.00 | | 2.10 E | |
| 258 RAMY | 28 | 1411 | 1423 | 1412 | N15 | E24 | .523 | 11709 | 30.4 | 12 | --F | 2 C | | .41 | | | D 2 | |
| 259 HUAN | 28 | 1422 | 1435 | 1429 | N07 | E45 | .727 | 11710 | 1.0 | 13 | --N | 1 C | 1429 | .23 | .33 | | T 3 | |
| GRP42260 | 28 | 1533 | 1546 | 1536 | N08 | E45 | .731 | 11710 | 1.0 | 13 | --N | | | .43 | | | 2 2 2 4 | |
| MCMA | 28 | 1533 | 1546 | 1536 | N08 | E45 | .731 | 11710 | 1.0 | 13 | -N | C | 1536 | .41 | .60 | | E | |
| HUAN | 28 | 1537E | 1537D | | N07 | E44 | .716 | 11710 | 1.0 | | -N | 1 P | 1537 | .45 | .66 | | | |
| 261 RAMY | 28 | 1617 | 1634 | 1619 | S12 | E81 | .985 | 11716 | 3.8 | 17 | --F | 2 C | | | | | D 2 | |
| 262 LOCK | 28 | 1650 | 1730 | 1658 | N08 | E44 | .719 | 11710 | 1.0 | 40 | --F | C | | | | | 3 | |
| GRP42263 | 28 | 1739 | 1755 | 1745 | S10 | W60 | .862 | 11705 | 24.2 | 16 | --F | | | .94 | | | 3 3 2 4 | |
| HUAN | 28 | 1737 | 1747D | 1741 | S10 | W61 | .870 | 11705 | 24.2 | 10D | -F | 2 C | 1741 | 1.36 | 2.76 | | E | |
| LOCK | 28 | 1740 | 1755 | 1745 | S10 | W60 | .862 | 11705 | 24.2 | 15 | -N | C | | | | | H | |
| RAMY | 28 | 1745E | 1754 | 1749 | S10 | W58 | .844 | 11705 | 24.4 | 9D | -F | 1 C | | .52 | | | D | |
| 264 LOCK | 28 | 1815 | 1830 | 1820 | N08 | E44 | .719 | 11710 | 1.1 | 15 | --F | C | | | | | 1 | |

SOLAR FLARES
Confirmed
JANUARY 1972

| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION | IM-POR-TANCE | OBS. COND. TYPE | MEASUREMENTS | | | | | REMARKS | | | | | |
|-------------|-------------|-------|-------|------------|----------|------------|------------------|----------------------|---------|----------|--------------|-----------------|--------------|------|------------|------------|------------|---------|-----------|----------|----------|----|---|
| | DATE | START | END | MAX. PHASE | APPROX. | | CENTRAL DISTANCE | MCMMATH PLAGE REGION | CMP DAY | | | | MIN. | TIME | MEAS. AREA | CORR. AREA | MAX. WIDTH | | MAX. INT. | | | | |
| | | | | | LAT. | MER. DIST. | | | | | | | | | | | | | | Sq. Deg. | Sq. Deg. | Hg | % |
| 265 | LOCK | 28 | 1928 | 1950 | 1933 | S06 | W06 | .104 | 11712 | 28.4 | 22 | --F | C | | | | | | | 1 | | | |
| 266 | LOCK | 28 | 1928 | 1950 | 1933 | N15 | E33 | .625 | 11709 | 31.3 | 22 | --F | C | | | | | | | 1 | | | |
| 267 | LOCK | 28 | 1953 | 2008 | 1958 | N15 | E33 | .625 | 11709 | 31.3 | 15 | --F | C | | | | | | | 1 | | | |
| 268 | HUAN | 28 | 2220E | 2243 | 2230 | S13 | W75 | -.962 | 11700 | 23.3 | 230 | --N | 2 | C | 2230 | .28 | | | | DK | 3 | | |
| GRP42271 | CULG | 29 | 0016 | 0134 | 0050 | S10 | E26 | .440 | 11708 | 31.0 | 78 | 1B | | | | 3.51 | | | | | 2 2 2 3 | | |
| | MANI | 29 | 0016 | 0145 | | S11 | E26 | .442 | 11708 | 31.0 | 89 | 1B | P | 0044 | 2.48 | 2.64 | | | | | U | | |
| | MANI | 29 | 0034E | 0122 | 0050 | S09 | E26 | .438 | 11708 | 31.0 | 48D | 1N | 2 | | 0050 | 4.54 | 5.00 | | | | | | |
| GRP42272 | KODA | 29 | 0230 | 0300 | | S14 | W71 | .941 | 11700 | 23.8 | 30 | -N | | | | 2.18 | | | | | 2 2 2 5 | | |
| | MANI | 29 | 0230 | 0308D | 0306 | S16 | W66 | .909 | 11700 | 24.2 | 38D | 1B | V | 0230 | 3.94 | 3.90 | 1.88 | | | | E | | |
| | MANI | 29 | 0238E | 0247 | 0238 | S11 | W76 | .967 | 11700 | 23.4 | 9D | -F | 2 | | 0238 | .41 | .98 | | | | | | |
| | MANI | 29 | 0245E | 0252 | 0247 | S13 | W76 | -.966 | 11700 | 23.4 | 7D | -F | 2 | | 0247 | .31 | .73 | | | | | | |
| GRP42273 | KODA | 29 | 0730 | 0736 | 0730 | S11 | W75 | .962 | 11700 | 23.7 | 6 | -B | | | | 1.23 | | | | | 2 2 2 5 | | |
| | CATA | 29 | 0730 | 0737 | 0730 | S12 | W74 | .957 | 11700 | 23.8 | 7 | -B | V | 0730 | 1.76 | 1.80 | 1.92 | | | | D | | |
| | CATA | 29 | 0730 | 0735 | 0730 | S09 | W76 | -.967 | 11700 | 23.6 | 5 | -B | C | 0730 | .69 | | | | 214 | | | | |
| GRP42275 | ATHN | 29 | 0831 | 0848 | 0841 | S09 | W78 | .975 | 11700 | 23.5 | 17 | --N | | | | .37 | | | | | 3 3 3 7 | | |
| | ATHN | 29 | 0831 | 0848 | 0836 | S09 | W77 | .972 | 11700 | 23.6 | 17 | -N | 1 | C | | .17 | | | | | | D | |
| | CATA | 29 | 0835E | 0855 | 0845 | S09 | W80 | .982 | 11700 | 23.4 | 20D | -N | P | 0845 | .63 | | | | 191 | | | | |
| | CRON | 29 | 0837E | 0842 | | S09 | W77 | .972 | 11700 | 23.6 | 5D | -F | 3 | V | | .30 | | | | | | | |
| GRP42276 | CATA | 29 | 0900 | 0914 | 0906 | S09 | W78 | .975 | 11700 | 23.5 | 14 | --F | | | | .42 | | | | | 3 3 3 8 | | |
| | HTPR | 29 | 0900 | 0915D | 0905 | S09 | W78 | .975 | 11700 | 23.5 | 15D | -N | P | 0905 | .58 | | | | 204 | | | | |
| | CAPS | 29 | 0903E | 0913 | 0906 | S12 | W78 | -.975 | 11700 | 23.5 | 10D | -F | C | 0906 | .21 | | | | 153 | | E | | |
| | CAPS | 29 | 0906E | 0912D | | S07 | W78 | .976 | 11700 | 23.5 | 6D | -F | 3 | V | 0906 | .48 | | | | | | C | |
| GRP42279 | KHAR | 29 | 0929 | 0948 | 0935 | S11 | W78 | .975 | 11700 | 23.5 | 19 | -N | | | | .77 | | | | | 8 8 8 8 | | |
| | ATHN | 29 | 0920E | 0940D | | S10 | W80 | .982 | 11700 | 23.4 | 20D | 2F | V | 0920 | 2.17 | | | | | | | D | |
| | ATHN | 29 | 0927 | 0955 | 0933 | S10 | W80 | .982 | 11700 | 23.4 | 28 | -N | 2 | C | | .33 | | | | | | D | |
| | HTPR | 29 | 0927 | 0950D | 0935 | S12 | W78 | .975 | 11700 | 23.5 | 23D | -F | C | 0935 | .15 | | | | | | | E | |
| | CRON | 29 | 0929E | 0943 | | S11 | W78 | .975 | 11700 | 23.5 | 14D | -N | 3 | V | | .30 | | | | | | | |
| | CATA | 29 | 0930E | 1035 | 1000 | S10 | W78 | -.975 | 11700 | 23.5 | 65D | -N | P | 1000 | .75 | | | | 204 | | | C | |
| | CAPS | 29 | 0930E | 0936D | | S07 | W78 | .976 | 11700 | 23.5 | 6D | -N | 2 | S | 0931 | .48 | | | 184 | | | | |
| | CANR | 29 | 0930 | 0932D | | S14 | W78 | .974 | 11700 | 23.5 | 2D | -N | 3 | V | 0932 | .25 | .60 | | | | | | |
| | KODA | 29 | 0936 | 0944 | 0937 | S12 | W75 | .962 | 11700 | 23.8 | 8 | -N | V | 0936 | 1.76 | 1.80 | 2.84 | | | | | D | |
| | HTPR | 29 | 1000E | 1032D | | S12 | W80 | -.982 | 11700 | 23.4 | 32D | -F | C | 1015 | .52 | | | | | | | | |
| GRP42280 | CANR | 29 | 1007 | 1017 | 1009 | S07 | E14 | .241 | 11708 | 30.5 | 10 | --F | | | | .34 | | | | | 2 2 2 5 | | |
| | ATHN | 29 | 1006 | 1020 | | S06 | E14 | .241 | 11708 | 30.5 | 14 | -F | 3 | V | 1008 | .35 | .40 | | | | | D | |
| | ATHN | 29 | 1007 | 1014 | 1009 | S07 | E14 | -.241 | 11708 | 30.5 | 7 | -F | 2 | C | | .33 | | | | | | | |
| GRP42281 | CATA | 29 | 1046 | 1145 | 1054 | S11 | W79 | .979 | 11700 | 23.5 | 59 | 1F | | | | 1.19 | | | | | 2 2 2 6 | | |
| | HTPR | 29 | 1045 | 1140 | 1055 | S10 | W78 | .975 | 11700 | 23.6 | 55 | 1N | C | 1055 | 1.44 | | | | 191 | | | | |
| | HTPR | 29 | 1047 | 1105 | 1052 | S12 | W80 | .982 | 11700 | 23.4 | 18 | 1F | C | 1052 | .93 | | | | | | | | |
| | HTPR | 29 | 1119E | 1125 | 1121 | S12 | W80 | .982 | 11700 | 23.5 | 6D | -F | C | 1121 | .31 | | | | | | | D | |
| | HTPR | 29 | 1128 | 1149D | 1143 | S12 | W80 | .982 | 11700 | 23.5 | 21D | -F | C | 1143 | .31 | | | | | | | U | |
| GRP42284 | HTPR | 29 | 1220 | 1315 | 1304 | S13 | W81 | .985 | 11700 | 23.4 | 55 | --F | | | | .50 | | | | | 3 2 1 4 | | |
| | RAMY | 29 | 1220 | 1320 | | S12 | W85 | .994 | 11700 | 23.1 | 60 | -F | C | 1251 | .21 | | | | | | | D | |
| | ATHN | 29 | 1252 | 1314 | | S13 | W79 | .978 | 11700 | 23.6 | 22 | -F | 3 | C | | | | | | | | D | |
| | ATHN | 29 | 1304E | 1316 | 1304 | S12 | W83 | .990 | 11700 | 23.3 | 12D | -N | 2 | C | | .50 | | | | | | F | |
| 285 | HUAN | 29 | 1407 | 1414 | 1409 | S12 | W83 | -.990 | 11700 | 23.4 | 7 | --F | 1 | C | 1409 | .21 | | | | | | T | 3 |
| 290 | HUAN | 29 | 1621 | 1632 | 1624 | S08 | W72 | .948 | 11705 | 24.3 | 11 | -N | 1 | C | 1624 | .46 | | | | | | | 2 |
| GRP42291 | HUAN | 29 | 1803 | 1813 | 1805 | S14 | W84 | .992 | 11700 | 23.5 | 10 | --F | | | | .36 | | | | | 2 2 1 5 | | |
| | LOCK | 29 | 1758 | 1808 | 1800 | S12 | W85 | .994 | 11700 | 23.4 | 10 | -N | 1 | C | 1800 | .36 | | | | | | | |
| | LOCK | 29 | 1807 | 1817 | 1810 | S15 | W83 | .990 | 11700 | 23.5 | 10 | -F | C | | | | | | | | | | |
| 293 | LOCK | 29 | 2002 | 2040 | 2010 | S19 | W06 | .249 | 11707 | 29.4 | 38 | --F | | | | | | | | | | | 3 |
| GRP42294 | HUAN | 29 | 2046 | 2119 | 2055 | S18 | W08 | -.250 | 11707 | 29.3 | 33 | --F | | | | .68 | | | | | 2 2 2 4 | | |
| | RAMY | 29 | 2045 | 2119 | 2058U | S18 | W07 | .242 | 11707 | 29.3 | 34 | -N | 2 | C | 2058 | .62 | .64 | | | | | E | |
| | RAMY | 29 | 2046 | 2057D | 2051 | S18 | W08 | .250 | 11707 | 29.3 | 11D | -F | 1 | C | | .74 | | | | | | | D |
| 295 | HUAN | 29 | 2114 | 2121 | 2117 | S12 | W87 | .997 | 11700 | 23.4 | 7 | --F | 1 | C | 2117 | .57 | | | | | | | 2 |
| GRP42300 | CATA | 30 | 1011 | 1026 | 1016 | N10 | E23 | .467 | 11710 | 1.1 | 15 | -N | | | | 1.04 | | | | | 4 4 4 6 | | |
| | CAPS | 30 | 1010 | 1035 | 1010 | N07 | E21 | .416 | 11710 | 1.0 | 25 | -N | C | 1010 | 1.22 | 1.34 | | | 199 | | | | |
| | CROWN | 30 | 1012 | 1022 | | N08 | E20 | .411 | 11710 | 31.9 | 10 | -B | 3 | V | 1013 | 1.20 | 1.30 | | 204 | | | | |
| | ATHN | 30 | 1013E | 1022 | | N16 | E21 | -.503 | 11710 | 1.0 | 9D | -F | 3 | V | 1013 | .40 | | | | | | | |
| | ATHN | 30 | 1016E | 1023D | 1016 | N09 | E29 | .537 | 11710 | 1.6 | 7D | -N | 3 | C | | 1.32 | | | | | | | U |

SOLAR FLARES

Confirmed

JANUARY 1972

| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION MIN. | IM- POR- TANCE | OBS. COND. | OBS. TYPE | MEASUREMENTS | | | | | REMARKS |
|-------------|-------------|-------|-------|------------|----------|------------|------------------|---------------------|---------|------------------|----------------------|---------------|--------------|--------------|---------------------|---------------------|---------------|-------------|---------|
| | DATE | START | END | MAX. PHASE | APPROX. | | CENTRAL DISTANCE | MCMATH PLAGE REGION | CMP DAY | | | | | TIME - UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Ha | MAX. INT. % | |
| | | | | | LAT. | MER. DIST. | | | | | | | | | | | | | |
| GRP42302 | 1972 JAN 30 | 1556 | 1618 | 1605 | N10 | W54 | .830 | 11718 | 26.6 | 22 | --N | | | | | | | 2 2 2 5 | |
| HUAN | 30 | 1556 | 1610D | 1605 | N10 | W54 | .830 | 11718 | 26.6 | 14D | -N | 1 | C | 1605 | .26 | .45 | | D | |
| MCMA | 30 | 1606E | 1618 | | N09 | W53 | .818 | 11718 | 26.7 | 12D | -N | | C | 1606 | .26 | .40 | | D | |
| GRP42303 | 30 | 1604 | 1659 | 1617 | S18 | W23 | .431 | 11707 | 28.9 | 55 | --F | | | | | | | 6 3 2 6 | |
| RAMY | 30 | 1601E | 1628D | 1605 | S17 | W22 | .410 | 11707 | 29.0 | 27D | -F | 2 | C | | .83 | | | D | |
| BOUL | 30 | 1604E | 1641 | 1616U | S17 | W23 | .424 | 11707 | 28.9 | 37D | -F | 2 | V | | .83 | | | D | |
| MCMA | 30 | 1606E | 1716D | | S18 | W22 | .417 | 11707 | 29.0 | 70D | -N | | C | 1616 | 1.03 | 1.10 | | E | |
| HUAN | 30 | 1616E | 1623D | | S18 | W23 | .431 | 11707 | 29.0 | 70 | -F | 1 | P | 1620 | .62 | .68 | | E | |
| CANR | 30 | 1625 | 1640 | 1629 | S16 | W22 | .404 | 11707 | 29.0 | 15 | -F | 2 | V | 1630 | 1.00 | 1.00 | | | |
| LOCK | 30 | 1650 | 1730 | 1702 | S17 | W21 | .397 | 11707 | 29.1 | 40 | -F | | C | | | | | | |
| GRP42304 | 30 | 1624 | 1639 | (1637) | N10 | W54 | .830 | 11718 | 26.6 | 15 | --F | | | | .26 | | | 2 2 2 5 | |
| MCMA | 30 | 1624 | 1636D | | N09 | W53 | .818 | 11718 | 26.7 | 12D | -N | | C | 1636 | .26 | .40 | | D | |
| HUAN | 30 | 1635E | 1639 | | N10 | W54 | .830 | 11718 | 26.6 | 4D | -F | 1 | P | 1638 | .26 | .45 | | D | |
| GRP42305 | 30 | 2046 | 2112 | 2054 | S17 | W23 | .424 | 11707 | 29.1 | 26 | --F | | | | .36 | | | 2 2 1 3 | |
| LOCK | 30 | 2045 | 2120 | 2050 | S17 | W21 | .397 | 11707 | 29.3 | 35 | -F | | C | | | | | | |
| PALE | 30 | 2046 | 2103 | 2058 | S17 | W24 | .438 | 11707 | 29.1 | 17 | -F | 2 | C | | .36 | | | F | |
| GRP42307 | 30 | 2345 | 0053 | 2357 | S18 | W28 | .498 | 11707 | 28.9 | 68 | 1N | | | | 2.53 | | | 3 3 3 3 | |
| CRON | 30 | 2345 | 0021D | 2357 | S18 | W25 | .458 | 11707 | 29.1 | 36D | -N | 2 | C | 2357 | 1.83 | 2.04 | | | |
| CULG | 30 | 2345 | 0110 | 0001 | S18 | W33 | .565 | 11707 | 28.5 | 85 | 1B | | C | 0001 | 3.51 | 3.74 | | | |
| PALE | 30 | 2345 | 0035 | 2352 | S17 | W25 | .452 | 11707 | 29.1 | 50 | 1N | 2 | C | | 2.26 | | | F | |
| GRP42310 | 31 | 0755 | 0827 | 0807 | S18 | W27 | .484 | 11707 | 29.3 | 32 | -N | | | | 1.22 | | | 3 3 3 7 | |
| CATA | 31 | 0755 | 0840 | 0810 | S17 | W25 | .451 | 11707 | 29.5 | 45 | 1B | | C | 0810 | 1.86 | 2.19 | 224 | T | |
| ATHN | 31 | 0800E | 0819 | 0803 | S19 | W28 | .503 | 11707 | 29.2 | 19D | -F | 3 | C | | .50 | | | D | |
| CRON | 31 | 0803E | 0821 | | S19 | W29 | .517 | 11707 | 29.2 | 18D | -N | 3 | V | 0803 | 1.30 | | | | |
| GRP42311 | 31 | 0830 | 0842 | 0835 | N10 | W65 | .918 | 11718 | 26.5 | 12 | -N | | | | .74 | | | 3 3 3 6 | |
| CATA | 31 | 0830 | 0845 | 0835 | N12 | W63 | .907 | 11718 | 26.6 | 15 | -B | | C | 0835 | .75 | | 240 | | |
| CRON | 31 | 0831E | 0839 | | N07 | W64 | .907 | 11718 | 26.6 | 8D | -N | 3 | V | 0831 | .50 | | | | |
| CAPS | 31 | 0832E | 0837D | | N10 | W68 | .937 | 11718 | 26.3 | 5D | -F | 3 | V | 0835 | .97 | | 158 | C | |
| GRP42313 | 31 | 1053 | 1107 | 1100 | N09 | W64 | .910 | 11718 | 26.7 | 14 | --N | | | | .34 | | | 2 2 2 6 | |
| CANR | 31 | 1053 | 1108 | | N09 | W65 | .917 | 11718 | 26.6 | 15 | -N | 2 | V | 1056 | .35 | .70 | | | |
| ATHN | 31 | 1059E | 1106 | 1100 | N09 | W63 | .903 | 11718 | 26.7 | 7D | -N | 3 | C | | .33 | | | D | |
| GRP42315 | 31 | 1215 | 1246 | 1217 | S18 | W29 | .511 | 11707 | 29.3 | 31 | -N | | | | 1.77 | | | 8 7 7 8 | |
| HTPR | 31 | 1211 | 1245 | 1212 | S18 | W30 | .525 | 11707 | 29.3 | 34 | -N | | C | 1212 | 1.13 | 1.30 | | U | |
| CANR | 31 | 1214 | 1251 | 1216 | S19 | W30 | .530 | 11707 | 29.3 | 37 | -N | 3 | V | 1216 | 1.05 | 1.20 | | | |
| CAPE | 31 | 1214 | 1231 | 1217 | S18 | W30 | .525 | 11707 | 29.3 | 17 | -N | | C | 1217 | 1.30 | 1.50 | | | |
| WEND | 31 | 1214E | 1248 | | S19 | W28 | .503 | 11707 | 29.4 | 34D | 1N | | V | | 5.16 | | | | |
| ATHN | 31 | 1215E | 1229 | 1217 | S19 | W31 | .543 | 11707 | 29.2 | 14D | -N | 2 | C | | 1.32 | | | F | |
| MEUD | 31 | 1215 | 1223D | 1216 | S17 | W30 | .520 | 11707 | 29.3 | 8D | -N | | C | 1216 | .72 | .80 | | E | |
| CATA | 31 | 1220 | 1310 | 1220 | S18 | W26 | .471 | 11707 | 29.6 | 50 | -B | | C | 1220 | 1.73 | 2.07 | 252 | | |
| ARCE | 31 | 1255E | 1330 | | S19 | W30 | .530 | 11707 | 29.3 | 35D | -F | | C | 1255 | .64 | .80 | | | |
| GRP42316 | 31 | 1548 | 1615 | 1553 | N11 | W68 | .938 | 11718 | 26.6 | 27 | -F | | | | .64 | | | 3 2 2 4 | |
| HTPR | 31 | 1545 | 1600 | 1550 | N10 | W68 | .937 | 11718 | 26.6 | 15 | -F | | C | 1550 | .31 | | | | |
| BOUL | 31 | 1550 | 1630 | 1555 | N11 | W67 | .932 | 11718 | 26.6 | 40 | 1N | 2 | C | 1555 | .97 | | | | |
| HUAN | 31 | 1609E | 1619 | | N11 | W67 | .932 | 11718 | 26.6 | 10D | -F | 2 | P | 1613 | .33 | | | | |
| GRP42317 | 31 | 1706 | 1728 | 1714 | S19 | W33 | .569 | 11707 | 29.2 | 22 | -N | | | | .83 | | | 3 3 2 4 | |
| LOCK | 31 | 1705 | 1725 | 1712 | S19 | W33 | .569 | 11707 | 29.2 | 20 | -N | | C | | | | | | |
| BOUL | 31 | 1706 | 1731 | 1715 | S19 | W33 | .569 | 11707 | 29.2 | 25 | -N | 2 | C | 1715 | .86 | 1.05 | | | |
| HUAN | 31 | 1708E | 1712D | | S19 | W33 | .569 | 11707 | 29.2 | 4D | -N | 1 | P | 1710 | .80 | .98 | | | |
| GRP42318 | 31 | 1850 | 1913 | 1857 | N10 | W69 | .943 | 11718 | 26.6 | 23 | -N | | | | .80 | | | 4 4 3 4 | |
| LOCK | 31 | 1850 | 1910 | 1855 | N07 | W71 | .951 | 11718 | 26.5 | 20 | -N | | C | | .72 | | | D | |
| RAMY | 31 | 1850 | 1914 | 1858 | N10 | W70 | .948 | 11718 | 26.5 | 24 | -F | 2 | C | | .97 | | | | |
| BOUL | 31 | 1851 | 1916 | 1855 | N12 | W68 | .939 | 11718 | 26.7 | 25 | -N | 2 | C | 1855 | .72 | | | F | |
| PALE | 31 | 1852E | 1913D | 1901 | N09 | W68 | .936 | 11718 | 26.7 | 21D | -N | 2 | C | | .72 | | | | |
| 319 LOCK | 31 | 2025 | 2040 | 2030 | N07 | W71 | .951 | 11718 | 26.5 | 15 | --F | | C | | | | | 3 | |
| GRP42320 | 31 | 2214 | 2231 | 2219 | N10 | W71 | .954 | 11718 | 26.6 | 17 | -N | | | | .74 | | | 4 4 2 4 | |
| LOCK | 31 | 2214 | 2230 | 2218 | N08 | W73 | .962 | 11718 | 26.5 | 16 | -N | | C | | | | | | |
| BOUL | 31 | 2214 | 2227 | 2219 | N12 | W70 | .950 | 11718 | 26.7 | 13 | 1N | 2 | C | 2219 | .75 | | | | |
| CULG | 31 | 2217E | 2237 | | N09 | W71 | .953 | 11718 | 26.6 | 20D | 1N | | P | 2218 | .72 | | | | |
| PALE | 31 | 2220E | 2231D | U | N10 | W68 | .937 | 11718 | 26.8 | 11D | -N | 2 | C | | | | | | |
| GRP42322 | 31 | 2338 | 0002 | 2351 | N08 | W03 | .246 | 11710 | 31.8 | 24 | --F | | | | .52 | | | 2 2 1 4 | |
| LOCK | 31 | 2330 | 0005 | 2350 | N07 | W03 | .230 | 11710 | 31.8 | 35 | -F | | C | | | | | | |
| PALE | 31 | 2346 | 2358 | 2351 | N08 | W03 | .246 | 11710 | 31.8 | 12 | -N | 2 | C | | .52 | | | F | |

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Jan 72

SOLAR FLARES Confirmed

JANUARY 1972

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 |
|--------|-------------|--------|--------|-------------|--------|--------|-------------|--------|
| 720102 | 4.37 | 24.0 | 720115 | 12.38 | 24.0 | 720123 | 47.41 | 24.0 |
| 720103 | 15.58 | 24.0 | 720116 | 108.12 | 24.0 | 720124 | 7.11 | 24.0 |
| 720106 | 17.39 | 24.0 | 720117 | 22.74 | 24.0 | 720125 | 12.79 | 24.0 |
| 720107 | 15.07 | 24.0 | 720118 | 4.56 | 24.0 | 720126 | 18.77 | 24.0 |
| 720108 | 6.93 | 24.0 | 720119 | 120.13 | 24.0 | 720127 | 0.84 | 24.0 |
| 720110 | 27.44 | 24.0 | 720120 | 57.27 | 24.0 | 720128 | 7.70 | 24.0 |
| 720113 | 35.74 | 24.0 | 720121 | 2.16 | 24.0 | 720129 | 109.81 | 24.0 |
| 720114 | 98.45 | 24.0 | 720122 | 315.44 | 24.0 | 720130 | 39.49 | 24.0 |
| | | | | | | 720131 | 39.35 | 24.0 |

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

SOLAR FLARES
Unconfirmed
JANUARY 1972

| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION MIN. | IM- POR- TANCE | OBS. COND. TYPE | MEASUREMENTS | | | | REMARKS | | |
|-------------|-------------|-------|-------|------------|--------------|------------|------------------|---------------------|---------|------------------|----------------------|--------------------|--------------|---------------------|---------------------|---------------|---------|-------------|---|
| | DATE | START | END | MAX. PHASE | APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | MCMATH PLAGE REGION | CMP DAY | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Ha | | MAX. INT. % | |
| 939 CATA | 01 | 1155 | 1220 | 1205 | S15 | W90 | 1.000 | 11660 | 25.7 | 25 | -F | C | 1205 | .23 | | | 148 | 7 | |
| 940 CATA | 01 | 1235 | 1305 | 1300 | S15 | W90 | 1.000 | 11660 | 25.8 | 30 | -N | C | 1300 | .40 | | | 155 | 5 | |
| 941 RAMY | 01 | 1512 | 1542 | 1515 | S11 | E80 | .984 | 11675 | 7.6 | 30 | -F | 3 C | | .21 | | | | D | 5 |
| 943 MANI | 02 | 0310E | 0322 | 0310 | N22 | E06 | .435 | 11668 | 2.6 | 120 | -F | 2 | 0310 | .52 | .59 | | | | 4 |
| 944 TEHR | 02 | 0637 | 0657 | 0640 | N21 | E02 | .410 | 11668 | 2.4 | 20 | -N | 1 C | | .09 | | | | D | 5 |
| 945 CAPS | 02 | 0912E | 0915D | | S10 | E65 | .905 | 11675 | 7.3 | 30 | -N | 1 S | | | | | | | 4 |
| 954 MANI | 04 | 0706 | 0727 | 0713 | N20 | W22 | .527 | 11668 | 2.6 | 21 | -F | 2 | 0713 | .31 | .37 | | | | 6 |
| 955 ARGE | 04 | 0942E | 1003D | | S13 | E43 | .689 | 11675 | 7.6 | 210 | -F | C | 0953 | .66 | .90 | | | | 6 |
| 957 MANI | 05 | 0215 | 0225 | 0218 | N07 | W20 | .383 | 11669 | 3.6 | 10 | -F | 2 | 0218 | .52 | .55 | | | | 4 |
| 958 CANR | 05 | 1321 | 1322D | | N13 | W63 | .904 | 11680 | 31.8 | 10 | -N | 2 V | 1322 | .30 | .60 | | | | 6 |
| 959 CATA | 05 | 1325 | 1340D | 1335 | N14 | W62 | .898 | 11680 | 31.9 | 150 | -N | P | 1335 | .52 | 1.23 | | 170 | | 6 |
| 960 CAPS | 05 | 1330E | 1348D | | N04 | W68 | .930 | 11666 | 31.5 | 180 | -F | 2 S | 1334 | .39 | | | 152 | | 6 |
| 961 ATHN | 05 | 1420 | 1430 | 1422 | N17 | W65 | .923 | 11680 | 31.7 | 10 | -N | 2 C | | .17 | | | | D | 6 |
| 962 PALE | 05 | 1742 | 1802D | 1745 | N08 | W28 | .503 | 11669 | 3.6 | 200 | -F | 2 C | | .36 | | | | | 4 |
| 966 MANI | 06 | 0438 | 0502 | 0445 | S24 | E39 | .679 | 11676 | 9.1 | 24 | -F | 2 | 0445 | .52 | .70 | | | | 4 |
| 968 ATHN | 06 | 0805E | 0812 | 0806 | S20 | E39 | .661 | 11676 | 9.3 | 70 | -F | 2 C | | .33 | | | | D | 6 |
| 977 MANI | 07 | 0520 | 0540 | 0524 | S21 | E22 | .462 | 11676 | 8.9 | 20 | -F | 2 | 0524 | .21 | .23 | | | | 4 |
| 978 CATA | 07 | 0715E | 0740 | 0715 | S07 | W23 | .393 | 11691 | 5.6 | 250 | -N | P | 0715 | .46 | .49 | | 162 | | 6 |
| 979 CAPS | 07 | 0911 | 0942D | | N09 | W55 | .832 | 11669 | 3.3 | 310 | -N | 2 V | 0915 | .50 | .80 | | 164 | | 8 |
| 980 CRON | 07 | 0932E | 0943 | | N09 | W63 | .899 | 11670 | 2.7 | 110 | -F | 3 V | 0932 | .70 | | | | | 9 |
| 981 CAPS | 07 | 0952E | 1022D | | S11 | E85 | .995 | 11687 | 13.8 | 300 | -F | 2 V | 0954 | .58 | | | 147 | H | 8 |
| GRP41982 | 07 | 1015 | 1035 | 1020 | N13 | W54 | .830 | 11669 | 3.4 | 20 | -F | | | 1.16 | | | | 2 2 1 | 7 |
| CAPS | 07 | 1015 | 1029D | | N13 | W55 | .840 | 11669 | 3.3 | 140 | -F | 2 V | 1021 | | | | 152 | | |
| CATA | 07 | 1015E | 1035 | 1020 | N13 | W52 | .812 | 11669 | 3.5 | 200 | -N | P | 1020 | 1.16 | 2.02 | | 166 | | |
| 984 MCMA | 07 | 1446E | 1527 | | S22 | E18 | .427 | 11676 | 9.0 | 410 | -N | C | 1446 | .52 | .60 | | | E | 5 |
| 985 MCMA | 07 | 1512 | 1530D | 1518 | N07 | W57 | .847 | 11669 | 3.4 | 180 | -F | C | 1518 | .31 | .60 | | | D | 5 |
| 989 CAPS | 08 | 1148 | 1205D | | S06 | E68 | .926 | 11687 | 13.6 | 170 | -F | 2 V | 1157 | .39 | | | | | 4 |
| 990 CAPS | 08 | 1219E | 1228D | | N09 | W68 | .933 | 11669 | 3.4 | 90 | -F | 2 V | 1223 | .48 | | | 157 | | 3 |
| 992 CAPS | 09 | 1029E | 1049D | | N17 | W33 | .626 | 11690 | 7.0 | 200 | -F | 2 V | 1039 | 1.00 | 1.40 | | 157 | | 6 |
| 993 CAPS | 09 | 1120E | 1138D | | N17 | W33 | .626 | 11690 | 7.0 | 180 | -N | 3 V | 1125 | 1.00 | 1.40 | | 164 | | 6 |
| 994 CATA | 09 | 1200E | 1230 | 1215 | N19 | W39 | .703 | 11690 | 6.6 | 300 | -N | P | 1215 | .34 | .48 | | 151 | T | 4 |
| 000 LOCK | 09 | 2135 | 2200 | 2143 | S08 | W58 | .846 | 11691 | 5.5 | 25 | -F | C | | | | | | | 5 |
| 002 CRON | 10 | 0313 | 0328 | 0317 | S05 | W62 | .881 | 11691 | 5.5 | 15 | -F | 2 C | 0317 | .22 | .45 | | | | 4 |
| GRP42006 | 11 | 0928 | 0952 | 0932 | S08 | E24 | .409 | 11687 | 13.2 | 24 | -F | | | .76 | | | | 2 2 2 | 7 |
| HTRP | 11 | 0926 | 0952 | 0932 | S09 | E23 | .396 | 11687 | 13.1 | 26 | -F | C | 0932 | .52 | .60 | | | E | |
| CAPS | 11 | 0930 | 0947D | | S07 | E24 | .408 | 11687 | 13.2 | 170 | -N | 2 V | 0932 | 1.00 | 1.10 | | 182 | | |
| 007 HUAN | 11 | 1452E | 1500D | | S08 | E19 | .330 | 11687 | 13.0 | 80 | -F | 1 C | 1500 | .12 | .13 | | | D | 5 |
| 011 CATA | 12 | 0730E | 0805 | 0740 | S12 | W18 | .333 | 11682 | 11.0 | 350 | -N | P | 0740 | .87 | .93 | | 166 | T | 7 |
| 014 RAMY | 12 | 1301E | 1315 | 1301 | S08 | W19 | .330 | 11682 | 11.1 | 140 | -F | 2 C | | .46 | | | | D | 4 |
| 019 CATA | 14 | 0745 | 0800 | 0745 | S15 | E90 | 1.000 | 11693 | 21.1 | 15 | 1N | C | 0745 | .98 | | | 195 | | 4 |
| 021 CANR | 14 | 0952 | 0955D | | S16 | E85 | .994 | 11693 | 20.8 | 30 | -N | 3 V | 0955 | .10 | .30 | | | | 8 |
| 022 CAPS | 14 | 1133E | 1150D | | S11 | E68 | .924 | 11693 | 19.6 | 170 | -F | 1 V | | | | | | | 6 |

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Jan 72

SOLAR FLARES Unconfirmed JANUARY 1972

| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION MIN. | IM-POR-TANCE | OBS. COND. TYPE | MEASUREMENTS | | | | | REMARKS | |
|-------------|---------------------|-------|-------|------------|--------------|------------|------------------|---------------------|---------|------------------|--------------|-----------------|--------------|------------------------|------------------------|--------------------------|-------------|----------|---|
| | DATE 1972 JAN | START | END | MAX. PHASE | APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | MCMATH PLAGE REGION | CMP DAY | | | | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH H α | MAX. INT. % | | |
| 024 CATA | 14 | 1315 | 1330 | 1315 | S17 | E75 | .963 | 11693 | 20.2 | 15 | -N | C | 1315 | .14 | | | 151 | 4 | |
| 028 LOCK | 14 | 2250 | 2320 | 2306 | S16 | E83 | .990 | 11693 | 21.2 | 30 | -F | C | | | | | | 4 | |
| 029 CANR | 15 | 0903 | 0915 | | S15 | E75 | .963 | 11693 | 21.0 | 12 | -N | 2 V | 0904 | .15 | .30 | | | 9 | |
| GRP42031 | 15 | 1033 | 1041 | 1036 | S17 | E69 | .931 | 11693 | 20.6 | 8 | -F | | | .59 | | | | 2 2 2 10 | |
| CAPE | 15 | 1032 | 1042 | 1036 | S16 | E68 | .925 | 11693 | 20.5 | 10 | -F | C | 1036 | .78 | 2.20 | | | | |
| CANR | 15 | 1033 | 1040 | 1035 | S17 | E69 | .931 | 11693 | 20.6 | 7 | -F | 3 V | 1035 | .40 | .80 | | | | |
| GRP42032 | 15 | 1141 | 1200 | 1143 | S15 | E66 | .911 | 11693 | 20.4 | 19 | -F | | | .56 | | | | 2 2 2 7 | |
| CANR | 15 | 1141 | 1155 | 1143 | S16 | E67 | .918 | 11693 | 20.5 | 14 | -F | 3 V | 1143 | .15 | .30 | | | | |
| CAPS | 15 | 1146E | 1205D | | S14 | E65 | .904 | 11693 | 20.4 | 19D | 1F | 2 V | 1146 | .97 | | 159 | C | | |
| 033 RAMY | 15 | 1529 | 1546 | 1534 | S18 | E70 | .937 | 11693 | 20.9 | 17 | -F | 2 C | | .56 | | | D | 5 | |
| 037 BOUL | 15 | 1959 | 2014 | 2003 | N12 | W90 | 1.000 | 11678 | 9.1 | 15 | -N | 1 V | 2003 | | | | | 3 | |
| 039 MITK | 16 | 0054 | 0126 | 0059 | N16 | E49 | .795 | 11696 | 19.7 | 32 | -F | C | 0059 | .52 | .80 | | D | 4 | |
| 045 CRON | 16 | 1001E | 1007 | 1004 | S19 | E62 | .883 | 11693 | 21.1 | 6D | -F | 3 V | 1004 | .40 | | | | 7 | |
| GRP42046 | 16 | 1040 | 1055 | 1045 | S15 | E39 | .639 | 11693 | 19.4 | 15 | -N | | | .67 | | | | 2 2 2 7 | |
| CATA | 16 | 1040 | 1055D | 1045 | S11 | E40 | .644 | 11693 | 19.4 | 15D | -N | P | 1045 | .34 | .45 | 170 | | | |
| CAPS | 16 | 1043E | 1050D | | S18 | E38 | .636 | 11693 | 19.3 | 7D | -N | 1 V | 1044 | 1.00 | 1.30 | 180 | C | | |
| 047 CATA | 16 | 1320 | 1330 | 1320 | S18 | E48 | .752 | 11693 | 20.2 | 10 | -N | C | 1320 | .29 | .43 | | 162 | 5 | |
| 055 MANI | 17 | 0152E | 0200 | 0152 | S14 | E47 | .734 | 11693 | 20.6 | 8D | -N | 2 | 0152 | .83 | 1.22 | | | 4 | |
| 056 MITK | 17 | 0325 | 0334D | 0327 | N13 | E36 | .642 | 11696 | 19.8 | 9D | -F | C | 0327 | 1.13 | 1.40 | | D | 7 | |
| 058 CRON | 17 | 0414E | 0421 | | S15 | E46 | .724 | 11693 | 20.6 | 7D | -F | 3 V | 0414 | 1.20 | | | | 3 | |
| 060 CRON | 17 | 0802E | 0806 | | S17 | E44 | .704 | 11693 | 20.6 | 4D | -F | 3 V | 0802 | .40 | | | | 3 | |
| 062 RAMY | 17 | 1330 | 1353 | 1334 | S13 | E46 | .721 | 11693 | 21.0 | 23 | -F | 3 C | | .36 | | | D | 5 | |
| 064 HUAN | 17 | 1907 | 1911 | 1909 | S13 | E31 | .525 | 11693 | 20.1 | 4 | -F | 1 C | 1909 | .15 | .18 | | | 6 | |
| 066 MANI | 18 | 0336 | 0352 | 0340 | S19 | E28 | .511 | 11693 | 20.3 | 16 | -F | 2 | 0340 | .31 | .36 | | | 5 | |
| 077 MANI | 19 | 0258 | 0330 | 0305 | S13 | E20 | .364 | 11693 | 20.6 | 32 | -N | 2 | 0305 | .62 | .66 | | | 6 | |
| 083 CANR | 19 | 1325 | 1331 | 1327 | S16 | E13 | .291 | 11693 | 20.5 | 6 | -N | 2 V | 1327 | .40 | .40 | | | 5 | |
| 084 HTPR | 19 | 1406 | 1411 | 1408 | S14 | E07 | .198 | 11693 | 20.1 | 5 | -F | C | 1408 | .21 | .20 | | | 6 | |
| 086 CANR | 19 | 1604 | 1619 | 1606 | S15 | E05 | .194 | 11693 | 20.0 | 15 | -N | 2 V | 1606 | .30 | .30 | | | 3 | |
| 093 VORD | 20 | 0126 | 0155 | 0130 | S17 | E08 | .247 | 11693 | 20.7 | 29 | -B | C | 0130 | .84 | .80 | | 86 | EJ | 5 |
| 097 CATA | 20 | 0745E | 0800D | 0745 | N14 | W08 | .352 | 11696 | 19.7 | 15D | -N | P | 0745 | .34 | .37 | | 162 | | 4 |
| GRP42099 | 20 | 0900 | 0927 | 0914 | N15 | W09 | .373 | 11696 | 19.7 | 27 | -F | | | .39 | | | | 2 2 2 8 | |
| ARCE | 20 | 0859 | 0918D | 0910 | N14 | W09 | .359 | 11696 | 19.7 | 19D | -F | C | 0910 | .56 | .60 | | | | |
| HTPR | 20 | 0901 | 0927 | 0917 | N15 | W09 | .373 | 11696 | 19.7 | 26 | -F | C | 0917 | .21 | .20 | | | E | |
| 101 CANR | 20 | 1107 | 1125 | 1108 | S20 | W01 | .259 | 11693 | 20.4 | 18 | -N | 2 V | 1108 | .20 | .20 | | | 6 | |
| 102 CANR | 20 | 1313 | 1338 | | S16 | W01 | .191 | 11693 | 20.5 | 25 | -N | 2 V | 1318 | .75 | .80 | | | 6 | |
| 103 RAMY | 20 | 1331 | 1358 | 1335 | N12 | W12 | .355 | 11696 | 19.7 | 27 | -F | 2 C | | .77 | | | D | 7 | |
| 109 LOCK | 20 | 2055 | 2315 | 2300 | S15 | W04 | .186 | 11693 | 20.6 | 140 | -F | C | | | | | | 4 | |
| 111 LOCK | 20 | 2155 | 2215 | 2200 | S15 | W04 | .186 | 11693 | 20.6 | 20 | -F | C | | | | | | 4 | |
| 116 CRON | 21 | 0435 | 0446 | 0440 | S16 | W27 | .479 | 11693 | 19.2 | 11 | -F | 3 V | | .40 | | | | 4 | |
| 118 CRON | 21 | 0706E | 0714 | | N17 | W38 | .689 | 11702 | 18.4 | 8D | -F | 3 V | | .30 | | | | 4 | |
| 119 CATA | 21 | 0715E | 0812 | 0735 | N18 | W40 | .716 | 11702 | 18.3 | 57D | -N | P | 0735 | .58 | .83 | | 195 | T | 5 |
| 120 CATA | 21 | 0715E | 0812 | 0735 | S16 | W28 | .493 | 11693 | 19.2 | 57D | -N | P | 0735 | .40 | .47 | | 174 | T | 5 |
| 121 TEHR | 21 | 0914E | 0925 | | U N16 | W41 | .716 | 11702 | 18.3 | 11D | -N | 4 C | | | | | | FR | 5 |

SOLAR FLARES Unconfirmed

JANUARY 1972

| OBSERVATORY | OBSERVED UT | | | LOCATION | | | | | DURATION MIN. | IM-PORTANCE | OBS. COND. TYPE | MEASUREMENTS | | | | REMARKS | |
|--------------------------|-------------|-------|-------|------------|--------------|------------|------------------|---------------------|---------------|-------------|-----------------|--------------|---------|---------------------|---------------------|---------|---------------|
| | DATE | START | END | MAX. PHASE | APPROX. LAT. | MER. DIST. | CENTRAL DISTANCE | MCMATH PLAGE REGION | | | | CMP DAY | TIME UT | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | | MAX. WIDTH Ha |
| GRP42123 CATA CAPS | 21 | 1010 | 1023 | 1015 | S14 | W12 | .255 | 11693 | 20.5 | 13 | -N | | | | | | 2 2 2 6 |
| | 21 | 1010 | 10200 | 1015 | S15 | W12 | .265 | 11693 | 20.5 | 100 | -N | P | 1015 | .69 | .72 | | 168 |
| | 21 | 1013E | 1023D | | S12 | W11 | .223 | 11693 | 20.6 | 100 | -N | 4 V | 1014 | .40 | .40 | | CE |
| 124 CAPS | 21 | 1138E | 1233D | | N22 | W42 | .757 | 11702 | 18.3 | 550 | -N | 2 V | 1147 | 1.00 | 1.70 | | 182 CH 7 |
| 125 CATA | 21 | 1146 | 1205 | 1146 | S15 | W31 | .530 | 11693 | 19.2 | 19 | -N | C | 1146 | .40 | .48 | | 174 7 |
| 129 RAMY | 21 | 1750 | 1817 | 1756 | N16 | W45 | .758 | 11702 | 18.4 | 27 | -F | 2 C | | .56 | | | D 5 |
| 132 MANI | 21 | 2353 | 0000 | 2353 | N16 | W51 | .816 | 11702 | 18.2 | 7 | -F | 2 | 2353 | .41 | .70 | | 4 |
| 133 VORD | 22 | 0022 | 0025 | 0023 | N14 | W33 | .615 | 11696 | 19.5 | 3 | -B | C | 0023 | .37 | .45 | | 64 DJ 5 |
| 134 KODA | 22 | 0327 | 0338 | 0329 | N17 | W52 | .829 | 11702 | 18.2 | 11 | -B | V | 0327 | 1.77 | 1.80 | 1-60 | D 8 |
| 139 CAPS | 22 | 1254E | 1255D | | S09 | E28 | .470 | 11705 | 24.6 | 10 | -N | 1 S | 1254 | .50 | .60 | | 171 C 7 |
| 141 CANR | 22 | 1450 | 1515 | | S17 | W44 | .703 | 11693 | 19.3 | 25 | -F | 2 V | 1455 | .45 | .60 | | 6 |
| 142 CANR | 22 | 1623 | 1645 | | S17 | W27 | .484 | 11693 | 20.7 | 22 | -F | 2 V | 1630 | .50 | .60 | | 3 |
| 143 CANR | 22 | 1748 | 1750D | | N15 | W39 | .690 | 11696 | 19.8 | 20 | -N | 2 V | 1750 | .45 | .60 | | 4 |
| 151 VORD | 23 | 0105 | 0120 | 0108 | S20 | W32 | .565 | 11693 | 20.6 | 15 | -B | C | 0108 | 1.11 | 1.30 | | 91 E 5 |
| 154 MANI | 23 | 0324E | 0326 | 0325 | N15 | W47 | .775 | 11696 | 19.6 | 20 | -N | 2 | 0325 | .72 | 1.11 | | 6 |
| 155 MANI | 23 | 0527E | 0528 | 0527 | S16 | W36 | .600 | 11693 | 20.5 | 10 | -N | 2 | 0527 | .93 | 1.10 | | 3 |
| 159 HTPR | 23 | 1241 | 1247 | 1242 | N10 | W54 | .828 | 11696 | 19.5 | 6 | -F | C | 1242 | .21 | .30 | | 4 |
| 162 CANR | 23 | 1616 | 1617D | | S16 | W06 | .212 | 11700 | 23.2 | 10 | -F | 2 V | 1617 | .35 | .40 | | 3 |
| 172 TEHR | 24 | 0710E | 0715 | U | N17 | W65 | .927 | 11696 | 19.4 | 50 | -F | 2 C | | | | | D 6 |
| 173 TEHR | 24 | 0723 | 0734 | 0725 | S17 | W46 | .725 | 11693 | 20.9 | 11 | -N | 2 C | | | | | F 6 |
| GRP42174 MANI ABST | 24 | 0803 | 0823 | 0807 | N14 | E85 | .998 | 11709 | 30.7 | 20 | -F | | | .76 | | | 2 2 2 7 |
| | 24 | 0759E | 0825 | 0804 | N11 | E83 | .995 | 11709 | 30.6 | 260 | -N | 2 | 0804 | .62 | 1.70 | | |
| | 24 | 0806 | 0821 | 0809 | N16 | E87 | 1.000 | 11709 | 30.9 | 15 | 1F | P | 0809 | .90 | | | ADZ |
| 175 ARCE | 24 | 0826E | 0836 | | S14 | W52 | .787 | 11693 | 20.5 | 100 | -F | C | 0827 | .34 | .50 | | 7 |
| 184 LOCK | 24 | 1725 | 1732 | 1728 | S20 | W54 | .813 | 11693 | 20.7 | 7 | -F | C | | | | | 4 |
| 192 MANI | 25 | 0300 | 0328 | 0312 | S16 | W10 | .249 | 11706 | 24.4 | 28 | -N | 2 | 0312 | .52 | .54 | | 3 |
| 196 CATA | 25 | 0705E | 0725 | 0705 | S06 | W13 | .224 | 11705 | 24.3 | 200 | -N | P | 0705 | 1.16 | 1.19 | | 151 T 5 |
| 198 HTPR | 25 | 0824 | 0836 | 0827 | S18 | W55 | .820 | 11693 | 21.2 | 12 | -F | C | 0827 | .41 | .70 | | 8 |
| 199 CAPS | 25 | 0900E | 0914D | | S08 | W17 | .294 | 11705 | 24.1 | 140 | -N | 1 V | 0902 | 1.00 | 1.00 | | 161 C 6 |
| 200 CAPS | 25 | 0945E | 0958D | | S08 | W17 | .294 | 11705 | 24.1 | 130 | -F | 2 V | 0946 | 1.00 | 1.00 | | 158 C 8 |
| 201 ATHN | 25 | 0959E | 1008 | 1000 | N14 | W80 | .989 | 11696 | 19.4 | 90 | -N | 2 C | | .33 | | | D 7 |
| 202 CAPS | 25 | 1007 | 1020 | | S08 | W18 | .310 | 11705 | 24.1 | 13 | -B | 3 V | 1010 | 1.00 | 1.00 | | 194 7 |
| 203 CATA | 25 | 1040E | 1100D | 1040 | S06 | W14 | .241 | 11705 | 24.4 | 200 | -N | P | 1040 | .69 | .72 | | 191 6 |
| 204 CANR | 25 | 1317 | 1317D | | S08 | W15 | .261 | 11705 | 24.4 | | -F | 3 V | 1317 | .30 | .30 | | 4 |
| 206 CATA | 25 | 1415E | 1425D | 1420 | S06 | W18 | .308 | 11705 | 24.2 | 100 | -N | P | 1420 | .75 | .79 | | 170 3 |
| 208 CANR | 25 | 1710 | 1735 | 1724 | N06 | E81 | .989 | 11710 | 31.8 | 25 | -N | 2 C | 1724 | .32 | | | 4 |
| 211 PALE | 25 | 1830 | 1835 | 1832 | S18 | W68 | .923 | 11693 | 20.7 | 5 | -F | 3 C | | .17 | | | 4 |
| 217 CRON | 25 | 2251E | 2257 | | N06 | E87 | .999 | 11710 | 1.5 | 60 | -N | 2 V | 2251 | .40 | | | 3 |
| 219 PALE | 25 | 2337 | 2350D | 2338 | N14 | E59 | .880 | 11709 | 30.4 | 130 | -F | 3 C | | .27 | | | F 5 |
| 220 PALE | 25 | 2337 | 2350D | 2345 | N14 | E59 | .880 | 11709 | 30.4 | 130 | -F | 3 C | | .36 | | | 6 |
| 225 CRON | 26 | 0706E | 0713 | | N13 | E55 | .845 | 11709 | 30.4 | 70 | -N | 3 V | | .45 | | | 3 |
| 226 CRON | 26 | 0716E | 0716D | | N13 | E55 | .845 | 11709 | 30.4 | | -N | 3 V | 0716 | .35 | | | 4 |

22
Jan 72

SOLAR FLARES

Unconfirmed

JANUARY 1972

| OBSERVATORY | OBSERVED UT | | | | LOCATION | | | | | DURATION | | | OBS. COND. TYPE | MEASUREMENTS | | | | | REMARKS |
|--------------------------|-------------|-------|-------|------------|----------|------------|------------------|----------------------|---------|----------|-----------|---------|-----------------|---------------------|---------------------|---------------|-------------|---------|---------|
| | DATE | START | END | MAX. PHASE | APPROX. | | CENTRAL DISTANCE | MC MATH PLAGE REGION | CMP DAY | MIN. | POR-TANCE | TIME UT | | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Ha | MAX. INT. % | | |
| | | | | | LAT. | MER. DIST. | | | | | | | | | | | | | |
| GRP42228 HTPR CRON | 26 | 0839 | 0853 | 0846 | N15 | E53 | .833 | 11709 | 30.3 | 14 | -F | G | 0846 | .54 | 1.30 | | | 2 2 2 7 | |
| | 26 | 0839 | 0855 | 0846 | N16 | E52 | .827 | 11709 | 30.3 | 16 | -F | | 0847 | .72 | | | | | |
| | 26 | 0847E | 0850 | | N13 | E54 | .836 | 11709 | 30.4 | 30 | -F | | 3 | 0847 | | | | | .35 |
| 230 HTPR | 26 | 1016 | 1021 | 1017 | N14 | E51 | .811 | 11709 | 30.3 | 5 | -F | C | 1017 | .31 | .60 | | | 6 | |
| 231 HTPR | 26 | 1025 | 1050 | 1032 | N16 | E51 | .818 | 11709 | 30.3 | 25 | -F | C | 1032 | .31 | .60 | | | E 6 | |
| 234 ARCE | 26 | 1335E | 1345D | | N15 | E49 | .796 | 11709 | 30.2 | 100 | -F | P | 1340 | .25 | .40 | | | 8 | |
| 236 ARCE | 26 | 1450E | 1500D | | S16 | W31 | .532 | 11706 | 24.3 | 100 | -F | C | 1450 | .40 | .50 | | | 5 | |
| 237 HUAN | 26 | 1524 | 1528 | 1526 | N14 | E48 | .782 | 11709 | 30.2 | 4 | -F | 2 | C | 1526 | .23 | .36 | | | D 4 |
| 241 LOCK | 26 | 1820E | 1830 | 1820 | S19 | W83 | .989 | 11693 | 20.5 | 100 | -F | C | | | | | | 4 | |
| 242 RAMY | 26 | 1900 | 1907D | 1903 | S13 | E32 | .536 | 11707 | 29.2 | 70 | -F | 2 | C | | .67 | | | | D 4 |
| 244 LOCK | 26 | 2035 | 2100 | 2042 | S16 | W34 | .573 | 11706 | 24.3 | 25 | -F | C | | | | | | 4 | |
| 247 CRON | 27 | 0208 | 0211 | | S15 | W87 | .997 | 11693 | 20.6 | 3 | -N | 3 | V | 0209 | .30 | | | | 5 |
| 249 CATA | 27 | 0710E | 0720D | 0715 | S14 | W90 | 1.000 | 11693 | 20.5 | 100 | -F | P | 0715 | .23 | | | 132 | 6 | |
| 252 CATA | 27 | 1130 | 1145 | 1130 | S09 | W43 | .679 | 11705 | 24.3 | 15 | -N | C | 1130 | .98 | 1.35 | | 180 | 6 | |
| 253 CATA | 27 | 1210 | 1230D | 1220 | S16 | W44 | .699 | 11706 | 24.2 | 200 | -N | C | 1220 | .29 | .40 | | 182 | 7 | |
| 257 CANR | 28 | 1000 | 1013 | | S13 | W70 | .935 | 11700 | 23.2 | 13 | -N | 3 | V | 1001 | .30 | .50 | | | 7 |
| 269 MANI | 28 | 2352E | 0000 | 2358 | S11 | W75 | .962 | 11700 | 23.4 | 80 | -N | 2 | 2358 | .41 | .96 | | | 3 | |
| 270 MANI | 28 | 2355 | 0000 | 2357 | N15 | E28 | .568 | 11709 | 31.1 | 5 | -N | 2 | 2357 | .83 | 1.00 | | | 3 | |
| 274 ATHN | 29 | 0743 | 0757 | 0745 | S11 | W77 | .971 | 11700 | 23.5 | 14 | -N | 1 | C | | .17 | | | | D 4 |
| 277 ARCE | 29 | 0902E | 0902D | | S06 | E15 | .257 | 11708 | 30.5 | | -F | P | 0902 | .29 | .30 | | | 9 | |
| 278 CANR | 29 | 0920 | 0935 | | S07 | E24 | .405 | 11708 | 31.2 | 15 | -N | 3 | V | 0924 | .65 | .70 | | | 7 |
| GRP42282 ATHN CANR | 29 | 1148 | 1151 | 1150 | S07 | E13 | .225 | 11708 | 30.5 | 3 | -N | 2 | C | | .35 | | | 2 2 2 6 | |
| | 29 | 1146 | 1151D | 1150 | S06 | E12 | .207 | 11708 | 30.4 | 50 | -N | | | | .50 | | | | |
| | 29 | 1149 | 1151D | | S07 | E13 | .225 | 11708 | 30.5 | 20 | -N | | | 2 | V | 1151 | .20 | .20 | |
| 283 CATA | 29 | 1155 | 1225D | 1200 | S06 | W71 | .943 | 11705 | 24.2 | 300 | -N | P | 1200 | .29 | | | 178 | 6 | |
| 286 HUAN | 29 | 1447 | 1456 | 1450U | S11 | W83 | .990 | 11700 | 23.4 | 9 | -F | 1 | C | 1450 | .31 | | | | E 5 |
| 287 HUAN | 29 | 1527 | 1532 | 1529 | S10 | W83 | .991 | 11700 | 23.4 | 5 | -F | 1 | C | 1529 | .26 | | | | E 4 |
| 288 HUAN | 29 | 1552E | 1603 | | S12 | W85 | .994 | 11700 | 23.3 | 110 | -F | 1 | P | 1556 | .21 | | | | D 4 |
| 289 HUAN | 29 | 1618 | 1628 | 1621U | S12 | W85 | .994 | 11700 | 23.3 | 10 | -F | 1 | C | 1621 | .26 | | | | 4 |
| 292 LOCK | 29 | 1847 | 1856 | 1850 | S15 | W83 | .990 | 11700 | 23.6 | 9 | -F | C | | | | | | 4 | |
| 296 MANI | 30 | 0036E | 0104 | 0041 | S17 | W12 | .279 | 11707 | 29.1 | 280 | -F | 2 | 0041 | .31 | .32 | | | 4 | |
| 297 KODA | 30 | 0238E | 0253 | 0245 | S12 | W88 | .998 | 11700 | 23.5 | 150 | 2B | V | 0238 | 9.23 | 9.20 | 4.00 | | CDK 6 | |
| 298 CATA | 30 | 0830E | 0915 | 0830 | S16 | W17 | .334 | 11707 | 29.1 | 450 | -B | P | 0830 | .69 | .74 | | 240 | T 4 | |
| 299 ARCE | 30 | 0950E | 1010D | | S08 | W85 | .995 | 11705 | 24.0 | 200 | -N | C | 0950 | .34 | | | | 6 | |
| 301 CANR | 30 | 1045 | 1045D | | S17 | W19 | .369 | 11707 | 29.0 | | -F | 2 | V | 1045 | .60 | .60 | | | 8 |
| 306 LOCK | 30 | 2252 | 2310 | 2258 | S19 | W23 | .438 | 11707 | 29.2 | 18 | -F | C | | | | | | 5 | |
| 308 ATHN | 31 | 0732E | 0739 | 0733 | N09 | W59 | .872 | 11718 | 26.9 | 70 | -N | 2 | C | | .33 | | | | D 4 |
| 309 ATHN | 31 | 0752E | 0807 | 0756 | S14 | E90 | 1.000 | 11721 | 7.1 | 150 | -N | 2 | C | | | | | | D 5 |
| 312 ATHN | 31 | 1016E | 1021 | 1018 | N09 | W63 | .903 | 11718 | 26.7 | 50 | -F | 3 | C | | .33 | | | | D 6 |
| 314 CANR | 31 | 1134 | 1137D | | N10 | W65 | .918 | 11718 | 26.6 | 30 | -N | 2 | V | 1137 | .30 | .60 | | | 6 |
| 321 LOCK | 31 | 2310 | 2340 | 2318 | N08 | W73 | .962 | 11718 | 26.5 | 30 | -F | C | | | | | | 4 | |