# SOLAR FLARES

## SEPTEMBER 1956

| Observatory | Date Sept. 1956 | Time Observed Start UT | Time Observed End UT | Duration Min. | Total Area Mill. | McMath Plage Region Number | Approx. Position Lat. | Approx. Position Mer. Dist. | Time Max. Phase UT | Max. Int. Arb. | Rel. Area of Max. Tenths | Importance | Provis. Ionospheric Effect |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S.Peak | 01 | 1314 | 1503 | 116 | 100 | 3644 | N33 | E17 | 1354 | 18 | 3 | 1- | G-SWF |
| Schaus. | 01 | b1300 | | >99 | | 3644 | N33 | E18 | | | | 1 | |
| S.Peak | 02 | 1550 | 1625 | 35 | 155 | 3641 | S30 | W21 | 1603 | 20 | 6 | 1 | |
| Capri-S | 02 | 1553 | 1620 | | 156 | 3641 | S29 | W20 | | | | 1 | |
| S.Peak | 02 | 1955 | 2050 | 55 | 75 | 3648 | N23 | W40 | 2010 | 20 | 8 | 1- | S-SWF |
| McMath | 02 | b2004 | 2032 | 28 | | 3648 | N22 | W40 | | | | 1+ | |
| Capri-S | 03 | 0835 | 0848 | 13 | 112 | 3642 | S23 | W18 | | | | 1 | |
| Capri-S | 03 | 0953 | 1015 | 22 | 117 | 3643 | N15 | W23 | | | | 1 | |
| Schaus. | 04 | b0713 | | 12 | | 3648 | N24 | W60 | | | | 1+ | |
| McMath | 04 | 1303 | 1335 | 32 | | 3648 | N22 | W51 | | | | 1 | |
| Capri-S | 04 | 1305 | 1343 | ~38 | 151 | 3643 | N18 | W49 | | | | 1 | Slow S-SWF |
| S.Peak | 04 | b2021 | a2145 | >84 | 175 | 3643 | N19 | W49 | 2022 | 16 | 2 | 1 | |
| McMath | 04 | b2028 | a2039 | >11 | | 3648 | N22 | W50 | | | | 1 | S-SWF |
| S.Peak | 04 | 2038 | 2055 | 17 | 155 | 3648 | N21 | W68 | 2044 | 18 | 4 | 1 | Slow S-SWF |
| Capri-S | 05 | 1146 | 1214 | 28 | 146 | 3658 | S24 | E90 | | | | 1 | S-SWF |
| McMath | 05 | b1340 | a1350 | >10 | | 3658 | S23 | E85 | | | | 1 | Slow S-SWF |
| Capri-S | 05 | 1645 | 1704 | 19 | 146 | 3658 | S24 | E90 | | | | 1+ | |
| S.Peak | 05 | 1645 | 1709 | 24 | 155 | 3658 | S26 | E80 | 1650 | 20 | 7 | 1 | Slow S-SWF |
| McMath | 05 | 1645 | 1800 | 75 | | 3658 | S23 | E85 | | | | 1 | |
| Wendel. | 05 | 1658 | | 28 | | 3658 | S24 | E72 | | | | 1 | |
| Capri-S | 06 | 1129 | 1144 | 15 | 194 | 3648 | N20 | W85 | | | | 1 | |
| McMath | 06 | 1450 | | | | 3658 | S23 | E70 | | | | 1 | Slow S-SWF |
| Capri-S | 07 | 1245 | 1401 | 76 | 287 | 3656 | S15 | E38 | | | | 1+ | |
| McMath | 07 | b1250 | 1345 | >55 | | 3656 | S17 | E45 | | | | 1+ | Slow S-SWF |
| S.Peak | 07 | b1305 | 1355 | >50 | 160 | 3656 | S17 | E43 | 1317 | 18 | 2 | 1 | |
| Tokyo | 08 | 0557 | | ~20 | | 3658 | S25 | E55 | | | | 2 | |
| McMath | 08 | b1738 | 1800 | >22 | | 3658 | S23 | E45 | | | | 2 | S-SWF |
| McMath | 09 | 1518 | 1543 | 25 | | 3658 | S25 | E30 | | | | 1 | S-SWF |
| Schaus. | 10 | b0813 | | 52 | | 3658 | S17 | E11 | | | | 2 | |
| Capri-S | 10 | 0904 | 0958 | 54 | 102 | 3658 | S18 | E07 | | | | 1 | |
| S.Peak | 11 | 1345 | 1545 | 120 | 380 | 3658 | S18 | E07 | 1425 | 15 | 2 | 2- | |
| Schaus. | 11 | b1350 | | 15 | | 3658 | S22 | E08 | | | | 2 | |
| McMath | 11 | 1340 | 1500 | 80 | | 3658 | S22 | E02 | | | | 2 | |
| McMath | 11 | b1955 | a2003 | >8 | | 3666 | S20 | E70 | | | | 1 | |
| Tokyo | 12 | b0614 | | ~10 | | | S35 | W15 | | | | 1 | |
| S.Peak | 12 | b1355 | 1440 | >45 | 125 | 3666 | S17 | E55 | 1355 | 12 | 6 | 1 | |
| McMath | 12 | 1418 | 1430 | 12 | | 3666 | S20 | E60 | | | | 1 | |
| S.Peak | 12 | 1445 | 1605 | 80 | 200 | 3666 | S15 | E51 | 1455 | 12 | 3 | 1 | |

# SOLAR FLARES

SEPTEMBER 1956

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| McMath | 12 | b1500 | 1600 | >60 | | 3666 | S18 | E60 | | | | 1 | |
| S.Peak | 12 | 1635 | 1715 | 40 | 175 | 3656 | S16 | W24 | 1645 | 12 | 5 | 1 | |
| S.Peak | 12 | 1905 | 1940 | 35 | 155 | 3666 | S27 | E70 | 1915 | 15 | 2 | 1 | Slow S-SWF |
| S.Peak | 12 | 1930 | 2025 | 55 | 160 | 3666 | S18 | E55 | 1950 | 15 | 3 | 1 | |
| McMath | 12 | 1940 | 2035 | 55 | | 3666 | S18 | E60 | | | | 1 | |
| McMath | 12 | 2110 | a2141 | >31 | | 3666 | S20 | E55 | | | | 1+ | |
| S.Peak | 12 | 2125 | 2200 | 35 | 141 | 3666 | S23 | E47 | 2140 | 12 | 5 | 1 | |
| S.Peak | 12 | 2235 | 2353 | 78 | 690 | 3666 | S21 | E46 | 2248 | 35 | 7 | 2+ | S-SWF |
| S.Peak | 13 | 1416 | 1510 | 54 | 280 | 3665 | N23 | E48 | 1427 | 15 | 3 | 1+ | |
| McMath | 13 | b1425 | 1515 | >50 | | 3665 | N20 | E46 | | | | 1+ | |
| S.Peak | 13 | 1429 | 1441 | 12 | 105 | 3658 | S26 | W25 | 1433 | 14 | 8 | 1 | |
| S.Peak | 13 | 1430 | 1600 | 90 | 130 | 3666 | S18 | E43 | 1505 | 14 | 2 | 1 | S-SWF |
| McMath | 13 | 1624 | | | | 3666 | S22 | E38 | | | | 1 | |
| S.Peak | 13 | 1625 | 1635 | 10 | 70 | 3666 | S24 | E34 | 1625 | 15 | 7 | 1- | |
| S.Peak | 13 | 1740 | 1815 | 35 | 120 | 3666 | S17 | E43 | 1745 | 15 | 7 | 1 | S-SWF |
| S.Peak | 13 | 2020 | 2045 | 25 | 130 | 3666 | S24 | E33 | 2025 | 12 | 5 | 1 | S-SWF |
| S.Peak | 13 | 2210 | 2240 | 30 | 110 | 3666 | S18 | E40 | 2215 | 15 | 3 | 1 | |
| Schaus. | 14 | 0745 | | | | 3666 | S21 | E30 | | | | 1 | |
| Kodai. | 14 | 0813 | | 45 | | 3666 | S25 | E25 | | | | 2 | |
| Wendel. | 14 | 0927 | 0950 | 23 | 583 | 3666 | S18 | E25 | 0933 | | | 1+ | S-SWF |
| Kodai. | 14 | 0935 | | 15 | | 3666 | S18 | E35 | | | | 1 | |
| Capri-S | 14 | 1036 | | | 165 | 3666 | S26 | E45 | | | | 1 | |
| Wendel. | 14 | 1041 | 1102 | 21 | 292 | 3658 | S25 | W48 | 1041 | | | 1+ | |
| McMath | 14 | b1445 | 1510 | >25 | | 3666 | S21 | E38 | | | | 1 | Slow S-SWF |
| S.Peak | 14 | 1803 | ~1853 | ~50 | 170 | 3666 | S18 | E27 | 1813 | 22 | 6 | 1 | |
| McMath | 14 | 1810 | 1855 | 45 | | 3666 | S15 | E36 | | | | 1 | G-SWF |
| S.Peak | 14 | 1828 | 1838 | 10 | 110 | 3658 | S23 | W47 | 1828 | 15 | 7 | 1 | |
| McMath | 14 | 2137 | a2148 | >11 | | 3666 | S15 | E30 | | | | 1 | |
| S.Peak | 14 | 2140 | 2205 | 25 | 120 | 3666 | S20 | E20 | 2140 | 15 | 5 | 1 | |
| S.Peak | 14 | ~2215 | 2255 | ~40 | 180 | 3665 | N22 | E30 | 2227 | 20 | 2 | 1 | |
| Schaus. | 15 | b0940 | | >11 | | 3658 | S16 | W59 | | | | 1+ | |
| Capri-S | 15 | 1416 | 1453 | 37 | 156 | 3658 | S18 | W49 | | | | 1 | |
| S.Peak | 15 | 1405 | 1455 | 50 | 57 | 3658 | S22 | W50 | 1430 | 14 | 6 | 1- | G-SWF |
| Wendel. | 15 | 1417 | 1457 | 40 | | 3658 | S23 | W57 | 1428 | | | 1 | |
| Wendel. | 15 | 1425 | 1451 | 26 | 389 | 3667 | N16 | W54 | 1437 | | | 2 | |
| Wendel. | 15 | 1517 | 1537 | 20 | 486 | 3658 | S21 | W51 | 1524 | | | 1 | |
| Wendel. | 16 | b0633 | 0644 | >11 | 680 | 3658 | S26 | W71 | 0633 | | | 1-2 | |
| Wendel. | 16 | 1033 | 1054 | 21 | 486 | 3666 | S23 | E11 | 1040 | | | 1 | |
| Capri-S | 16 | 1031 | 1112 | 41 | 53 | 3666 | S23 | E15 | | | | 1- | |
| Wendel. | 16 | 1112 | 1137 | 25 | 535 | 3658 | S26 | W72 | 1118 | | | 1-2 | |
| Capri-S | 16 | 1357 | 1500 | 63 | 112 | 3665 | N29 | E02 | | | | 1 | |

# SOLAR FLARES

SEPTEMBER 1956

| Observatory | Date Sept. 1956 | Time Observed Start UT | Time Observed End UT | Duration Min. | Total Area Mill. | McMath Plage Region Number | Approx. Position Lat. | Approx. Position Mer. Dist. | Time Max. Phase UT | Max. Int. Arb. | Rel. Area of Max. Tenths | Importance | Provis. Ionospheric Effect |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S.Peak | 16 | 1402 | 1515 | 73 | 335 | 3665 | N30 | E05 | 1419 | 20 | 4 | 2- | |
| Wendel. | 16 | 1403 | 1504 | 61 | 583 | 3669 | N27 | E33 | 1421 | | | 1 | |
| S.Peak | 16 | 1745 | 1925 | 100 | 120 | 3674 | S22 | E60 | 1809 | 20 | 6 | 1 | |
| S.Peak | 17 | b1404 | ~1416 | >12 | 110 | 3675 | N26 | E57 | 1405 | 18 | 4 | 1 | |
| S.Peak | 17 | b2012 | ~2120 | >68 | 770 | 3666 | S21 | W17 | 2014 | 22 | 2 | 3 | Slow S-SWF |
| Tokyo | 18 | b0417 | | ~40 | | | N05 | W25 | | | | 1 | |
| S.Peak | 18 | 2115 | ~2230 | ~75 | 190 | 3666 | S22 | W33 | 2135 | 18 | 3 | 1 | |
| Schaus. | 19 | b0740 | | 65 | | 3666 | S22 | W46 | | | | 1 | |
| Wendel. | 19 | 1442 | 1503 | 21 | 389 | 3666 | S21 | W49 | 1452 | | | 2- | |
| S.Peak | 19 | 1435 | 1515 | 40 | 84 | 3666 | S22 | W50 | 1450 | 15 | 9 | 1- | |
| Wendel. | 19 | 1505 | 1521 | 16 | 340 | 3666 | S21 | W49 | 1511 | | | 1+ | |
| Schaus. | 19 | b1622 | | 24 | | 3679 | N12 | E37 | | | | 1 | |
| Mt.Wilson | 19 | b1745 | | 30 | | 3666 | S25 | W55 | | | | 1 | |
| Wendel. | 20 | 1014 | 1031 | 17 | 243 | 3666 | S16 | W59 | 1018 | | | 1 | |
| Wendel. | 20 | 1131 | 1200 | 29 | 729 | 3682 | N23 | E83 | 1139 | | | 1 | |
| Mt.Wilson | 20 | b1938 | | 40 | | 3670 | S15 | W15 | | | | 1 | |
| S.Peak | 20 | 1940 | 2240 | 180 | 125 | 3670 | S17 | W19 | 1945 | 20 | 3 | 1 | S-SWF |
| Mt.Wilson | 20 | b1945 | | 10 | | 3665 | N25 | W65 | | | | 1 | |
| Mt.Wilson | 20 | b2340 | | 10 | | 3674 | S25 | E05 | | | | 1 | |
| Tokyo | 21 | 0054 | | ~10 | | 3673 | S25 | W25 | | | | 1 | |
| S.Peak | 21 | 1705 | a1738 | >33 | 170 | 3670 | S14 | W30 | 1725 | 15 | 3 | 1 | |
| Neder. | 22 | 1158 | | 37 | | 3666 | S15 | W90 | | | | 1 | |
| Tokyo | 22 | b2337 | | ~20 | | | N35 | W85 | | | | 1 | |
| Tokyo | 23 | 0148 | | ~20 | | 3682 | N25 | E45 | | | | 1 | |
| S.Peak | 24 | b1407 | 1435 | >28 | 85 | 3673 | S30 | W85 | 1410 | 20 | 6 | 1 | |
| Schaus. | 24 | b1407 | | 43 | | 3673 | S31 | W78 | | | | 2 | G-SWF |
| Schaus. | 24 | b1630 | | 04 | | 3670 | S16 | W65 | | | | 1 | |
| S.Peak | 24 | 2005 | a2035 | >30 | 110 | 3680 | S15 | W18 | 2030 | 15 | 8 | 1 | |
| Meudon | 25 | b1240 | | 05 | | 3685 | N25 | E35 | | | | 1 | |
| Schaus. | 25 | b1605 | | 05 | | 3689 | S26 | E79 | | | | 1 | |
| Schaus. | 25 | b1650 | | 05 | | 3686 | S28 | E58 | | | | 1 | |
| Capri-S | 28 | 1257 | 1405 | 68 | 112 | 3683 | S13 | W19 | | | | 1 | |
| Capri-S | 29 | 0654 | 0800 | 66 | 117 | 3688 | N22 | E28 | | | | 1 | |
| Schaus. | 29 | b0655 | | | | 3688 | N20 | E29 | | | | 1 | |
| Capri-S | 29 | 1020 | 1030 | 10 | 97 | | S17 | W90 | | | | 1 | |
| S.Peak | 30 | 2055 | 2107 | 12 | 110 | 3691 | N47 | W49 | 2100 | 16 | 8 | 1 | |

# SOLAR FLARES

## SEPTEMBER 1956

Subflares noted as follows (Date, time (UT), region):

| | | |
|---|---|---|
| September 1, | 1439 | (3646) |
| | 1525 | (3644) |
| | 1739 | (3636) |
| | 2235 | (3643) |
| | 2320 | (3643) |
| 2, | 1320 | (3642) |
| | 1540 | (3644) |
| 3, | 1400 | (3644) |
| | 1730 | (3648) |
| | 2230 | (3642) |
| | 2315 | (3644) |
| 4, | 1440 | (3648) |
| | 1443 | (3648)+ |
| | 1535 | (3648) |
| | 1615 | (3648) |
| | 1625 | (3648)+ |
| | 1725 | (3648) |
| 5, | 1500 | (3641) |
| | 1520 | (3644) |
| | 1515 | (3651) |
| | 1535 | (3643) |
| | 1605 | (3643) |
| | 1615 | (3644) |
| | b1933 | (3643)+ |
| | 2104 | (3643)+ |
| 6, | b2241 | (3658) |
| | b2325 | (3658) |
| 7, | 1315 | (3658)+ |
| | 2133 | (3656)+ |
| 9, | b1339 | (3666) |
| | 1415 | (3665) |
| | 1420 | (3658) |
| | 1540 | (3658) |
| | 1625 | (3658) |
| | b1904 | (3666) |
| | 2050 | (3658) |
| | 2353 | (3666) |
| 10, | 1350 | (3666) |
| | 1410 | (3666) |
| | 1425 | (3658) |
| | 1600 | (3666) |
| | 1700 | (3658) |
| | 1735 | (3658) |
| | 1800 | (3658) |
| | 1848 | (3666) |
| | 1950 | (3666) |
| | 2130 | (3658) |
| | 2200 | (3666) |
| | 2205 | (3665) |
| | 2305 | (3658) |
| 11, | 1415 | (3666) |
| | 1430 | (3658) |
| | 1430 | (3666) |
| | 1545 | (3666) |
| | 1725 | (3666) |
| | 1730 | (3666)+ |
| | 1759 | (3666)+ |
| | 1820 | (3658) |
| September 11, | 1906 | (3666)+ |
| | 1910 | (3658) |
| | 1915 | (3666)+ |
| | 2000 | (3666) |
| | 2100 | (3658)+ |
| | 2105 | (3658) |
| | 2200 | (3666) |
| | 2245 | (3666) |
| | 2315 | (3658) |
| 12, | 1435 | (3666) |
| | 1559 | (3665)+ |
| | 1600 | (3658) |
| | 1635 | (3666) |
| | 1850 | (3666) |
| | 1905 | (3666)+ |
| | 1909 | (3665) |
| | 2105 | (3666) |
| | 2350 | (3658) |
| | 2353 | (3666) |
| 13, | 1346 | (3658) |
| | 1410 | (3666) |
| | 1516 | (3669)+ |
| | 1523 | (3669)+ |
| | 1537 | (3666)+ |
| | 1617 | (3656)+ |
| | 1618 | (3666)+ |
| | 1700 | (3666) |
| | 1715 | (3666) |
| | 1730 | (3666) |
| | 1740 | (3666)+ |
| | 1950 | (3658) |
| 14, | 1327 | (3653) |
| | 1347 | (3670) |
| | 1400 | (3658) |
| | 1405 | (3666) |
| | 1430 | (3665) |
| | 1456 | (3668) |
| | 1625 | (3658) |
| | 1708 | (3669) |
| | 1708 | (3658) |
| | 1935 | (3658) |
| | 2030 | (3666) |
| | 2030 | (3658) |
| | 2100 | (3658) |
| | 2110 | (3670) |
| | 2150 | (3658) |
| 15, | 1418 | (3667) |
| | 1500 | (3658) |
| | 1550 | (3658) |
| | 1710 | (3669) |
| | 1900 | (3665) |
| | 2010 | (3667) |
| | 2240 | (3658) |
| 16, | 0648 | (3658) |
| | 1149 | (3677) |
| | 1202 | (3677) |
| | 1445 | (3677) |
| | 1455 | (3658) |
| September 16, | 1548 | (3658) |
| | 1825 | (3666) |
| | 1955 | (3677) |
| | 2225 | (3658) |
| 17, | 1410 | (3666) |
| | 1435 | (3658) |
| 18, | 1600 | (3670) |
| | 1605 | (3666)+ |
| | 2138 | (3666)+ |
| 19, | 0923 | (3674)++ |
| | 1645 | (3666) |
| | 1755 | (3666) |
| | 2000 | (3666) |
| | b2040 | (3679) |
| | 2230 | (3666) |
| 20, | 1310 | (3676)+ |
| | 1455 | (3670)+ |
| | 1550 | (3670) |
| | 1645 | (3666) |
| | 1910 | (3666) |
| | 1910 | (3676) |
| | 2215 | (3665) |
| | 2230 | (3666) |
| 21, | 1420 | |
| 22, | 1445 | (3673) |
| | 1555 | (3666) |
| | 1610 | (3673) |
| | 1745 | (3682) |
| 23, | 1401 | (3684) |
| 24, | 0942 | (3683) |
| | 1440 | (3683) |
| | 1458 | (3683)++ |
| 25, | 1720 | (3686) |
| | 1735 | (3686) |
| | 1820 | (3688) |
| | 1825 | (3686) |
| | 1855 | (3686) |
| | 2145 | (3686) |
| 26, | 1540 | (3686) |
| | 1735 | (3686)+ |
| | 2205 | (3686) |
| | b2220 | (3686) |
| 27, | 1355 | (3686) |
| | 1500 | (3686) |
| | 1600 | (3680) |
| | 1740 | (3683) |
| | 1815 | (3686) |
| 28, | b1353 | (3683) |
| | 1355 | (3686) |
| | 1400 | (3690) |
| | 1635 | (3690) |
| | 2200 | (3688) |
| | 2235 | (3686) |
| 29, | 1322 | (3686)+ |
| | b1347 | (3686) |
| | 1350 | (3695) |
| | 2105 | (3695) |
| | 2200 | (3695) |
| 30, | 2120 | (3695) |

+ McMath or McMath and Sac. Peak.
++ Wendelstein.