# SOLAR FLARES

## JANUARY 1960

| OBSERVATORY | DATE JAN 1960 | OBSERVED UNIVERSAL TIME START | END | MAX. PHASE | LOCATION APPROX. LAT. | MER. DIST. | McMATH PLAGE REGION | DURATION — MINUTES | IMPORTANCE | OBS. COND. | MEASUREMENTS TIME — U T | MEAS. AREA Sq. Deg. | CORR. AREA Sq. Deg. | MAX. WIDTH Hα | MAX. INT. % | PROVISIONAL IONOSPHERIC EFFECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HAWAII | 01 | 0128 | 0200 D | 0158 | N12 | W54 | 5507 | 32 D | 1 | 3 | 0158 | 1.40 | | | | |
| MCMATH | 01 | 1607 | 1650 | | N24 | E80 | 5520 | 43 | 1 | 1 | 1618 | | | | | |
| WENDEL | 02 | 0950 E | 1025 D | | N17 | W20 | 5511 | 35 D | 1 | | | | 3.00 | | | |
| WENDEL | 02 | 1029 | 1040 D | | N13 | E64 | 5520 | 11 D | 1 | | | | 3.00 | | | |
| WENDEL | 02 | 1320 | 1333 D | | S21 | E55 | 5515 | 13 D | 1 | | | | 3.00 | | | |
| HAWAII | 03 | 1944 E | 2010 | | N17 | W28 | 5513 | 26 D | 1& | 3 | 1947 | 2.10 | | | | |
| HAWAII | 03 | 1948 | 1952 | 1948 | S23 | E85 | 5525 | 4 | 1 | 3 | 1948 | 1.10 | | | | |
| CAPRI S | 04 | 0327 | 0906 | | S19 | E77 | 5525 | 39 | 2& | 1 | 0852 | 1.90 | 6.70 | | | |
| ARCETRI | 04 | 0847 | 0854 | | S14 | E77 | 5525 | 7 | 1& | 3 | 0848 | 1.65 | 4.95 | | | |
| HAWAII | 04 | 1956 E | 2014 | | N08 | W38 | 5512 | 18 D | 1 | 2 | 2004 | 1.10 | | | | |
| LOCKHEED | 04 | 2025 | 2058 | 2029 | N08 | W37 | 5512 | 33 | 1 | 1 | 2029 | 1.90 | | | 30 | |
| HAWAII | 04 | 2026 | 2048 | 2030 | N09 | W37 | 5512 | 22 | 1 | 3 | 2030 | 1.10 | | | | |
| LOCKHEED | 04 | 2142 | 2207 | 2149 | N15 | W57 | 5511 | 25 | 1 | 1 | 2149 | 2.20 | | | 10 | |
| ARCETRI | 05 | 0920 E | | | N10 | E04 | 5517 | | 1 | 3 | 0920 | 2.50 | 2.50 | | | |
| ARCETRI | 05 | 0955 | 0959 D | | S11 | E65 | 5525 | 4 D | 1 | 3 | | | | | | |
| WENDEL | 05 | 0955 | 1007 | | S12 | E58 | 5525 | 12 | 1 | | | | 3.00 | | | |
| ARCETRI | 07 | 0809 E | 0819 D | | S12 | E40 | 5525 | 10 D | 1 | 3 | | | | | | |
| ARCETRI | 07 | 0819 E | | | N08 | W71 | 5512 | | 1 | 3 | | | | | | |
| CAPRI S | 07 | 1504 E | 1542 D | | N07 | W78 | 5512 | 38 D | 3 | 3 | 1514 | 3.70 | 13.00 | | | S-SWF |
| LOCKHEED | 08 | 1750 | 1950 | 1810 | S23 | W33 | 5515 | 120 | 1 | 2 | 1825 | 2.50 | | | 20 | |
| LOCKHEED | 08 | 1750 | 1950 | 1825 | S23 | W33 | 5515 | 120 | 1 | 2 | 1825 | 2.50 | | | 20 | |
| LOCKHEED | 08 | 1800 | 2050 | 1840 | N28 | W12 | 5520 | 170 | 2 | 2 | 1840 | 6.40 | | | 30 | |
| SAC PEAK | 08 | 1806 | 2050 U | 1842 | N26 | W14 | 5520 | 164 U | 2 | 3 | | 6.85 | | | 19 | |
| HAWAII | 08 | 1820 E | 2048 | | N28 | W14 | 5520 | 148 D | 2 | 2 | 1850 | 3.10 | | | | |
| SAC PEAK | 09 | 2106 | 2130 | 2112 | N19 | E21 | 5527 | 24 | 1 | 2 | | 2.76 | | | 13 | |
| ARCETRI | 10 | 0811 | 0815 | | S17 | W50 | 5515 | 4 | 1 | 3 | | | | | | |
| ARCETRI | 10 | 0907 E | 0925 D | | N08 | W90 | 5516 | 18 D | 1 | 3 | | | | | | |
| WENDEL | 10 | 1139 E | 1210 D | | N08 | W85 | 5516 | 31 D | 1& | | | | 5.00 | | | |
| LOCKHEED | 11 | 2040 U | 2355 D | 2128 E | N23 | E03 | 5527 | 195 D | 3 | 1 | 2128 | 22.00 | | | 30 | Slow S-SWF |
| HAWAII | 11 | 2058 E | 2326 | 2124 | N22 | E02 | 5527 | 148 D | 3 | 3 | 2124 | 10.30 | | | | |
| HAWAII | 11 | 2244 | 2422 | 2250 | N18 | W08 | 5527 | 98 | 1& | 3 | 2250 | 1.90 | | | | |
| HAWAII | 11 | 2258 | 2312 | 2302 | S12 | W90 | 5515 | 14 | 1 | 3 | 2302 | .50 | | | | |
| SAC PEAK | 12 | 1646 | 1710 | 1650 | S10 | W37 | 5525 | 24 | 1 | 3 | | 2.60 | | | 17 | G-SWF |
| CAPRI S | 13 | 1216 E | 1232 D | | S18 | W44 | 5525 | 16 D | 1 | 1 | 1217 | 1.70 | 3.40 | | | |
| LOCKHEED | 13 | 2247 | 2350 | 2305 | S03 | W08 | 5530 | 63 | 1 | 1 | 2305 | 2.10 | | | 10 | |
| WENDEL | 15 | 1334 | 1400 D | | S20 | W66 | 5525 | 26 D | 2 | | | | 12.00 | | | Slow S-SWF |
| CAPRI S | 15 | 1336 | 1455 D | | S20 | W71 | 5525 | 79 D | 2 | 2 | 1401 | 4.80 | 11.50 | | | |
| ONDREJOV | 15 | 1400 E | 1412 D | | S20 | W69 | 5525 | 12 D | 2 | 2 | 1404 | | | 2.50 | | |
| LOCKHEED | 15 | 1645 | 1730 | 1658 | S06 | E08 | 5533 | 45 | 1 | 1 | 1658 | 2.00 | | | 20 | |
| LOCKHEED | 15 | 1730 D | 1738 U | 1732 | N09 | E90 | 5540 | 8 D | 1 | 1 | 1732 | 2.00 | | | 30 | Slow S-SWF |
| WENDEL | 16 | 1005 | 1021 D | | N26 | E73 | 5539 | 16 D | 1 | | | | 3.00 | | | |

# SOLAR FLARES

## JANUARY 1960

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HAWAII | 16 | 2108 | 2112 D | 2112 | N26 | E62 | 5539 | 4 D | 1 | 2 | 2112 | 1.40 | | | | |
| LOCKHEED | 16 | 2239 | 2335 | 2252 | N11 | E76 | 5540 | 56 | 2 | 2 | 2252 | 5.00 | | | 40 | Slow S-SWF |
| HAWAII | 16 | 2240 | 2258 D | 2248 | N13 | E76 | 5540 | 18 D | 1 | 2 | 2248 | 1.50 | | | | |
| HAWAII | 17 | 0032 | 0046 D | 0036 | N11 | E67 | 5545 | 14 D | 1 | 2 | 0036 | 1.10 | | | | |
| LOCKHEED | 17 | 1708 E | 1900 U | 1720 | N17 | E62 | 5545 | 112 D | 1& | 1 | 1720 | 4.20 | | | 30 | Slow S-SWF |
| LOCKHEED | 17 | 1708 E | 1900 U | 1750 | N17 | E62 | 5545 | 112 D | 1& | 1 | 1720 | 4.20 | | | 30 | |
| HAWAII | 17 | 1800 E | 1856 | | N23 | E72 | 5542 | 56 D | 1& | 2 | 1810 | 2.20 | | | | |
| ARCETRI | 18 | 0934 E | 0943 D | | N08 | E41 | 5541 | 9 D | 1 | 3 | | | | | | |
| HAWAII | 18 | 2250 | 2358 | 2308 | N17 | E58 | 5545 | 68 | 1 | 3 | 2308 | 1.00 | | | | |
| HAWAII | 18 | 2314 | 2442 | | N16 | E49 | 5541 | 88 | 1 | 3 | 2328 | 1.40 | | | | |
| SAC PEAK | 19 | 1928 | 2028 | 1944 | N14 | E46 | 5545 | 60 | 1 | 2 | | 3.97 | | | 17 | G-SWF |
| LOCKHEED | 19 | 1947 E | 2115 U | 1950 U | N18 | E45 | 5545 | 88 D | 1 | 1 | 1950 | 5.00 | | | 30 | |
| WENDEL | 20 | 1038 E | 1146 D | | N07 | W57 | 5528 | 68 D | 1 | | | | 3.00 | | | |
| HAWAII | 20 | 2300 | 2316 | 2302 | N12 | E25 | 5541 | 16 | 1 | 3 | 2302 | 1.30 | | | | |
| HAWAII | 23 | 0000 | 0014 | 0002 | N27 | W16 | 5539 | 14 | 1& | 3 | 0002 | 1.90 | | | | |
| ONDREJOV | 23 | 1040 E | 1044 D | | N09 | W59 | 5538 | 4 D | 1 | 3 | 1041 | | | 2.90 | | |
| ONDREJOV | 23 | 1056 E | 1104 | | N09 | W59 | 5538 | 8 D | 1 | 3 | 1058 | | | 2.70 | | |
| ONDREJOV | 23 | 1117 | 1130 | 1122 | N09 | W60 | 5538 | 13 | 1 | 3 | 1122 | | | 4.80 | | |
| HAWAII | 23 | 2038 | 2046 | 2038 | N12 | E49 | 5549 | 8 | 1 | 2 | 2038 | 1.20 | | | | |
| ONDREJOV | 24 | 0855 | 0904 | 0858 | N06 | E57 | 5550 | 9 | 1 | 3 | 0858 | | | 3.20 | | |
| ONDREJOV | 24 | 0928 E | 0941 | | N08 | W69 | 5538 | 13 D | 1 | 3 | 0938 | | | 3.20 | | |
| ONDREJOV | 24 | 1241 | 1308 D | | N06 | E55 | 5550 | 27 D | 1 | 3 | 1245 | | | 2.30 | | |
| WENDEL | 24 | 1242 E | 1300 D | | N08 | E56 | 5550 | 18 D | 1& | | | | 6.00 | | | |
| WENDEL | 24 | 1306 | 1358 D | | N09 | E38 | 5549 | 52 D | 2 | | | | 14.00 | | | |
| ONDREJOV | 24 | 1309 E | 1335 D | | N08 | E35 | 5549 | 26 D | 2 | 3 | 1313 | | | 3.20 | | |
| CAPRI S | 24 | 1312 E | 1402 D | | N08 | E35 | 5549 | 50 D | 1& | 2 | 1321 | 4.00 | 4.80 | | | |
| ONDREJOV | 25 | 1241 | 1303 | 1243 | N06 | E55 | 5550 | 22 | 1 | 3 | 1243 | | | 2.30 | | |
| HAWAII | 25 | 2004 | 2032 | 2008 | N12 | E50 | 5550 | 28 | 1 | 2 | 2008 | 1.40 | | | | |
| ARCETRI | 26 | 1022 E | 1028 D | | N05 | E31 | 5550 | 6 D | 1 | 2 | | | | | | |
| SAC PEAK | 27 | 1518 | 1544 | 1528 | N01 | E12 | 5549 | 26 | 1 | 2 | | 2.60 | | | 16 | |
| CAPRI S | 27 | 1520 E | 1544 D | | N05 | E13 | 5549 | 24 D | 1 | 2 | 1530 | 3.00 | 3.10 | | | |
| CAPRI S | 28 | 0828 E | 0954 D | | N07 | E12 | 5550 | 86 D | 1 | 1 | 0832 | 5.00 | 5.00 | | | |
| SAC PEAK | 28 | 2036 | 2118 | 2044 | N00 | W05 | 5550 | 42 | 1& | 2 | | 4.78 | | | 16 | |
| CAPRI S | 29 | 1038 E | 1045 D | | S15 | E27 | 5551 | 7 D | 1 | 1 | 1040 | 2.00 | 2.20 | | | |
| LOCKHEED | 29 | 1738 | 1810 | 1746 | N06 | W17 | 5550 | 32 | 1 | 2 | 1746 | 2.40 | | | 20 | |
| SAC PEAK | 29 | 1820 | 1902 | 1846 | S19 | E58 | 5554 | 42 | 1 | | | 2.43 | | | 16 | |
| LOCKHEED | 30 | 0005 | 0033 | 0015 | N03 | W22 | 5550 | 28 | 1 | 2 | 0015 | 2.00 | | | 30 | |
| HAWAII | 30 | 0110 E | 0118 | | N10 | W14 | 5550 | 8 D | 1 | 2 | 0110 | 1.40 | | | | |
| WENDEL | 30 | 0855 E | 0922 D | | S15 | E21 | 5551 | 27 D | 1 | | | | 3.00 | | | |
| ARCETRI | 30 | 0903 E | 0926 D | | S17 | E17 | 5551 | 23 D | 1 | 2 | | | | | | |
| WENDEL | 30 | 0927 E | 0932 D | | S18 | E49 | 5554 | 5 D | 1 | | | | 3.00 | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WENDEL | 30 | 1035 | 1057 | | N09 | E36 | 5552 | 22 | 1 | | | | 3.00 | | | |
| WENDEL | 30 | 1045 | 1101 D | | S15 | E20 | 5551 | 16 D | 1 | | | | 4.00 | | | |
| WENDEL | 30 | 1138 E | 1150 D | | N09 | W21 | 5550 | 12 D | 1 | | | | 3.00 | | | |
| WENDEL | 30 | 1140 E | 1152 D | | N16 | E19 | 5552 | 12 D | 1 | | | | 4.00 | | | |
| WENDEL | 30 | 1159 E | 1229 D | | S16 | E20 | 5551 | 30 D | 1 | | | | 4.00 | | | |
| WENDEL | 30 | 1159 E | 1442 D | | S17 | E19 | 5551 | 163 D | 1& | | | | 8.00 | | | |
| CAPRI S | 30 | 1355 E | 1524 D | | S17 | E21 | 5551 | 89 D | 1 | 3 | 1420 | 2.00 | 2.20 | | | |
| CAPRI S | 30 | 1306 E | 1320 D | | N03 | W27 | 5550 | 14 D | 1 | 3 | 1310 | 3.00 | 3.30 | | | |
| WENDEL | 30 | 1306 | 1321 | | N03 | W26 | 5550 | 15 | 1& | | | | 5.00 | | | |
| WENDEL | 30 | 1334 | 1350 D | | N21 | E39 | 5555 | 16 D | 1 | | | | 4.00 | | | |
| CAPRI S | 30 | 1432 E | 1502 D | | N12 | E35 | 5552 | 30 D | 1 | 3 | 1436 | 3.00 | 3.70 | | | |
| CAPRI S | 31 | 1028 | 1042 D | | N18 | W17 | 5550 | 14 D | 1 | 1 | 1031 | 2.00 | 2.10 | | | |
| CAPRI S | 31 | 1429 | 1509 D | | S16 | E04 | 5551 | 40 D | 1 | 3 | 1451 | 4.80 | 5.00 | | | |
| CAPRI S | 31 | 1539 | 1605 D | | S16 | E04 | 5551 | 26 D | 1 | 1 | 1600 | 3.00 | 3.10 | | | |
| LOCKHEED | 31 | 1913 | 2000 | 1924 | S18 | E02 | 5551 | 47 | 1 | 1 | 1924 | 2.50 | | | 20 | |
| LOCKHEED | 31 | 2035 | 2103 | 2047 | S18 | W00 | 5551 | 28 | 1 | 1 | 2047 | 3.20 | | | 20 | |

CAPRI G ANACAPRI - GERMAN
CAPRI S ANACAPRI - SWEDISH
GOOD HOPE ROYAL OBSERVATORY, CAPE OF GOOD HOPE
KIEV* KIEV UNIVERSITY
KODAIKNAL KODAIKANAL
KRASNYA KRASNAYA PAKHRA
LOCKHEED LOS ANGELES

MOSCOW-G MOSCOW - GAISH
R O EDIN ROYAL OBSERVATORY, EDINBURGH
R O HERST GREENWICH ROYAL OBSERVATORY, HERSTMONCEUX
SAC PEAK SACRAMENTO PEAK
SCHAUINS SCHAUINSLAND
USNRL UNITED STATES NAVAL RESEARCH LABORATORY

COMMERCE - STANDARDS - BOULDER

SAC PEAK: ALL VALUES IN MAX. INT. COLUMN ARE ARBITRARY UNITS (0-40), NOT PERCENT OF CONTINUOUS SPECTRUM.

E - LESS THAN & - PLUS
D - GREATER THAN - - MINUS
U - APPROXIMATE □ - NOT REPORTED

LOCKHEED OBSERVATIONS: ALL VALUES IN THE MAXIMUM INTENSITY COLUMN ARE ARBITRARY UNITS ON A SCALE OF 10 TO 40 - NOT PERCENT OF THE CONTINUOUS SPECTRUM.

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VOROSHILOV | 01 | 0353 | 0405 D | 0354 | S15 | W78 | 5508 | 12 D | 1+ | 2 | | .73 | | | 86 | |
| PIRCULI | 03 | 1003 | 1015 | 1008 U | S10 | W50 | 5510 | 12 | 1 | | | 2.17 | | | 60 | |
| ABASTUMANI | 04 | 0828 | 0838 | 0830 | S20 | E82 | 5525 | 10 | 1 | 2 | 0830 | .88 | 4.47 | | 62 | |
| ABASTUMANI | 04 | 0846 | 0856 | 0849 | S19 | E79 | 5525 | 10 | 1 | 2 | 0849 | 1.00 | 4.14 | | 68 | |
| VOROSHILOV | 07 | 0107 | 0120 | 0109 | N07 | W67 | 5512 | 13 | 1+ | 2 | | 1.54 | | | 101 | |
| VOROSHILOV | 07 | 0131 | 0146 | 0133 | N07 | W68 | 5512 | 15 | 1+ | 2 | | 1.00 | | | 87 | |
| VOROSHILOV | 07 | 2358 | 0012 | 0007 | N07 | W80 | 5512 | 14 | 1 | 2 | | 1.27 | | | 76 | |
| VOROSHILOV | 07 | 2359 | 0005 | 0002 | S13 | W85 | 5510 | 6 | 1 | 2 | | .63 | | | 68 | |
| VOROSHILOV | 08 | 0033 | 0038 | 0034 | N06 | W82 | 5512 | 5 | 1+ | 2 | | .63 | | | 102 | |
| PIRCULI | 09 | 0636 E | 0645 | 0639 | S18 | E17 | 5525 | 9 D | 1 | | | 2.48 | | | 53 | |
| PIRCULI | 09 | 0813 | 0818 | 0815 | S14 | E07 | 5525 | 5 | 1 | | | .95 | | | 53 | |
| VOROSHILOV | 14 | 0303 | 0353 | 0304 | N18 | W28 | 5527 | 50 | 1+ | 2 | | 2.25 | | | 89 | |
| SIMEIZ | 14 | 0811 E | 0830 D | 0814 U | S14 | W68 | 5525 | 19 D | 1 | 2 | 0814 | .90 | 2.30 | | 65 | |
| SIMEIZ | 14 | 0819 E | 0837 D | 0819 U | N19 | W31 | 5527 | 18 D | 1 | 2 | 0819 | 1.63 | 1.90 | | 70 | |
| VOROSHILOV | 17 | 0027 E | 0042 D | 0029 | N09 | E64 | 5540 | 15 D | 1+ | 1 | | .90 | | | 83 | |
| PIRCULI | 18 | 0804 | 0816 D | 0813 U | N08 | E38 | 5540 | 12 D | 1 | | | 2.17 | | | 62 | |
| PIRCULI | 18 | 0935 E | 0950 | 0940 | N08 | E37 | 5540 | 15 D | 1 | | | 2.17 | | | 65 | |
| VOROSHILOV | 18 | 2347 E | 0149 | | N14 | E54 | 5541 | 122 D | 1 | 2 | 0013 | 2.71 | | | 64 | |
| PIRCULI | 19 | 0818 | 0838 | 0826 | N16 | E48 | 5545 | 20 | 1 | | | 2.81 | | | 54 | |
| PIRCULI | 23 | 0646 E | 0955 D | 0837 U | N08 | W59 | 5538 | 189 D | 1+ | | | 4.12 | | | 80 | |
| SIMEIZ | 23 | 0651 E | 0705 D | | N09 | E88 | 5550 | 14 D | 1+ | 1 | 0651 | 1.01 | 7.20 | | | |
| KYOTO | 26 | 0139 E | 0152 D | | N07 | E47 | 5550 | 13 D | 1 | | 0139 | 2.08 | | 1.49 | 80 | |
| VOROSHILOV | 27 | 0037 | 0043 | 0038 | N13 | E48 | 5550 | 6 | 1 | 3 | | 1.71 | | | 68 | |
| SIMEIZ | 27 | 0721 E | 0810 D | 0723 U | N10 | E77 | 5552 | 49 D | 1 | 2 | 0723 | .90 | 3.00 | | 78 | |
| SIMEIZ | 27 | 0722 E | 0810 | 0725 U | N11 | E25 | 5550 | 48 D | 1 | 2 | 0725 | 1.35 | 1.60 | | 115 | |
| SIMEIZ | 27 | 0830 E | 0845 D | 0845 U | N09 | W02 | 5549 | 15 D | 1 | 2 | 0845 | 2.72 | 2.80 | | 98 | |
| PIRCULI | 28 | 0633 E | 1026 | 0830 | N06 | E10 | 5550 | 233 D | 2+ | | | 18.60 | | | 89 | |
| PIRCULI | 28 | 0738 | 0749 | 0742 U | N09 | E61 | 5552 | 11 | 1 | | | 2.14 | | | 50 | |
| PIRCULI | 28 | 0816 | 0843 | 0828 | S10 | E43 | 5551 | 27 | 1 | | | 5.06 | | | 79 | |
| ABASTUMANI | 28 | 0828 E | 0856 D | 0830 | N05 | E12 | 5550 | 28 D | 2 | 3 | 0830 | 7.25 | 7.62 | | 103 | |
| PIRCULI | 28 | 0902 | 0912 | 0906 | S12 | E54 | 5551 | 10 | 1 | | | 3.81 | | | 52 | |
| PIRCULI | 28 | 0904 | 0917 | 0906 | S16 | E55 | 5551 | 13 | 1 | | | 2.34 | | | 52 | |
| PIRCULI | 29 | 0659 | 0716 | 0704 U | N13 | E89 | 5557 | 17 | 1+ | | | 8.30 | | | 56 | |
| PIRCULI | 29 | 0738 | 0750 | 0743 U | S06 | E61 | 5554 | 12 | 1 | | | 2.70 | | | 51 | |
| KYOTO | 30 | 0525 E | 0542 D | | S18 | E21 | 5551 | 17 D | 1 | | 0525 | 2.28 | | | 90 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PIRCULI | 30 | 0915 E | 0926 D | 0921 U | S14 | E20 | 5551 | 11 D | 1 | | | 2.18 | | | 51 | |
| VOROSHILOV | 31 | 0155 | 0205 D | 0201 | S17 | E00 | 5551 | 55 D | 2 | 1 | | 5.25 | | | 81 | |
| PIRCULI | 31 | 0717 E | 0825 | 0740 U | S18 | E07 | 5551 | 68 D | 1 | | | 4.02 | | | 52 | |
| PIRCULI | 31 | 0745 E | 0805 | 0750 U | N03 | W21 | 5550 | 20 D | 1 | | | 2.51 | | | 53 | |
| PIRCULI | 31 | 0900 | 0912 | 0906 U | N05 | W20 | 5550 | 12 | 1 | | | 2.00 | | | 50 | |

COMMERCE - STANDARDS - BOULDER

These flares are additional addenda to the February 1960 flares published in CRPL-F 187 Part B, March, 1960

| | | | | | |
|---|---|---|---|---|---|
| ABASTUMANI | ABASTUMANI, USSR | PIRCULI | PIRCULI, USSR | E - LESS THAN | & - PLUS |
| KHARKOV | KHARKOV, USSR | SIMEIZ | SIMEIZ, CRIMEA, USSR | D - GREATER THAN | - - MINUS |
| KIEV | KIEV GAO, USSR | VOROSHILOV | VOROSHILOV, USSR | U - APPROXIMATE | □ - NOT RECORDED |
| KYOTO | IKOMA, JAPAN | | | | |