

Rainbow angle (SEM) from MLO. Times are UTC. Sun is down.

| JD | MM | DD | YYYY | HH | MI | SEM | ALT | AZ | ILLUM. | |
|--------------|----|----|------|----|----|----------|---------|----------|--------|--------------|
| 2455917.0833 | 12 | 21 | 2011 | 14 | 0 | 318.0186 | 3.2965 | 111.6470 | 0.1337 | Moon rising |
| 2455917.0972 | 12 | 21 | 2011 | 14 | 20 | 318.1879 | 7.3851 | 113.4524 | 0.1326 | |
| 2455917.1111 | 12 | 21 | 2011 | 14 | 40 | 318.3572 | 11.4612 | 115.4073 | 0.1315 | |
| 2455917.1250 | 12 | 21 | 2011 | 15 | 0 | 318.5265 | 15.4817 | 117.5350 | 0.1304 | |
| 2455917.1389 | 12 | 21 | 2011 | 15 | 20 | 318.6958 | 19.4239 | 119.8628 | 0.1292 | |
| 2455917.1528 | 12 | 21 | 2011 | 15 | 40 | 318.8651 | 23.2713 | 122.4222 | 0.1281 | |
| 2455917.1667 | 12 | 21 | 2011 | 16 | 0 | 319.0345 | 27.0047 | 125.2492 | 0.1270 | |
| 2455917.1806 | 12 | 21 | 2011 | 16 | 20 | 319.2038 | 30.6014 | 128.3846 | 0.1259 | |
| 2455917.1944 | 12 | 21 | 2011 | 16 | 40 | 319.3731 | 34.0345 | 131.8738 | 0.1249 | |
| 2455976.0972 | 2 | 18 | 2012 | 14 | 20 | 317.4421 | 0.5914 | 110.3614 | 0.1212 | Moon rising |
| 2455976.1111 | 2 | 18 | 2012 | 14 | 40 | 317.6114 | 4.6374 | 112.0073 | 0.1202 | |
| 2455976.1250 | 2 | 18 | 2012 | 15 | 0 | 317.7807 | 8.7849 | 113.7898 | 0.1193 | |
| 2455976.1389 | 2 | 18 | 2012 | 15 | 20 | 317.9500 | 12.9051 | 115.7298 | 0.1183 | |
| 2455976.1528 | 2 | 18 | 2012 | 15 | 40 | 318.1194 | 16.9678 | 117.8520 | 0.1173 | |
| 2455976.1667 | 2 | 18 | 2012 | 16 | 0 | 318.2887 | 20.9528 | 120.1852 | 0.1164 | |
| 2455976.1806 | 2 | 18 | 2012 | 16 | 20 | 318.4580 | 24.8438 | 122.7632 | 0.1154 | |
| 2455976.1944 | 2 | 18 | 2012 | 16 | 40 | 318.6273 | 28.6212 | 125.6255 | 0.1145 | |
| 2456012.6944 | 3 | 26 | 2012 | 4 | 40 | 43.5897 | 37.1773 | 278.4973 | 0.1139 | |
| 2456035.0833 | 4 | 17 | 2012 | 14 | 0 | 316.5270 | 4.2316 | 91.9641 | 0.1258 | Moon rising |
| 2456035.0972 | 4 | 17 | 2012 | 14 | 20 | 316.6963 | 8.7617 | 93.5537 | 0.1249 | |
| 2456035.1111 | 4 | 17 | 2012 | 14 | 40 | 316.8656 | 13.3223 | 95.1858 | 0.1240 | |
| 2456035.1250 | 4 | 17 | 2012 | 15 | 0 | 317.0350 | 17.8836 | 96.8832 | 0.1231 | |
| 2456035.1389 | 4 | 17 | 2012 | 15 | 20 | 317.2043 | 22.4323 | 98.6723 | 0.1222 | |
| 2456035.1528 | 4 | 17 | 2012 | 15 | 40 | 317.3736 | 26.9620 | 100.5843 | 0.1213 | |
| 2456035.1667 | 4 | 17 | 2012 | 16 | 0 | 317.5429 | 31.4648 | 102.6577 | 0.1204 | |
| 2456071.7083 | 5 | 24 | 2012 | 5 | 0 | 43.0132 | 32.0095 | 282.1272 | 0.0933 | Moon setting |
| 2456071.7222 | 5 | 24 | 2012 | 5 | 20 | 43.1825 | 27.5620 | 283.1475 | 0.0941 | |
| 2456071.7361 | 5 | 24 | 2012 | 5 | 40 | 43.3518 | 23.1342 | 284.2287 | 0.0949 | |
| 2456071.7500 | 5 | 24 | 2012 | 6 | 0 | 43.5212 | 18.7296 | 285.3764 | 0.0957 | |
| 2456094.1389 | 6 | 15 | 2012 | 15 | 20 | 316.4585 | 33.7125 | 81.8118 | 0.1390 | Moon setting |
| 2456094.1528 | 6 | 15 | 2012 | 15 | 40 | 316.6278 | 38.2445 | 82.9481 | 0.1381 | |
| 2456130.7222 | 7 | 22 | 2012 | 5 | 20 | 42.4367 | 22.0458 | 266.6748 | 0.1018 | Moon setting |
| 2456130.7361 | 7 | 22 | 2012 | 5 | 40 | 42.6061 | 17.4748 | 268.2989 | 0.1027 | |
| 2456130.7500 | 7 | 22 | 2012 | 6 | 0 | 42.7754 | 12.9040 | 269.8725 | 0.1036 | |
| 2456130.7639 | 7 | 22 | 2012 | 6 | 20 | 42.9447 | 8.3463 | 271.4179 | 0.1045 | |
| 2456130.7778 | 7 | 22 | 2012 | 6 | 40 | 43.1140 | 3.8347 | 272.9555 | 0.1054 | |
| 2456189.6944 | 9 | 19 | 2012 | 4 | 40 | 41.3523 | 23.4523 | 241.8453 | 0.1276 | Moon setting |
| 2456189.7083 | 9 | 19 | 2012 | 5 | 0 | 41.5216 | 19.3944 | 244.2146 | 0.1287 | |
| 2456189.7222 | 9 | 19 | 2012 | 5 | 20 | 41.6910 | 15.2634 | 246.3686 | 0.1298 | |
| 2456189.7361 | 9 | 19 | 2012 | 5 | 40 | 41.8603 | 11.0738 | 248.3398 | 0.1309 | |
| 2456189.7500 | 9 | 19 | 2012 | 6 | 0 | 42.0296 | 6.8481 | 250.1556 | 0.1320 | |
| 2456189.7639 | 9 | 19 | 2012 | 6 | 20 | 42.1989 | 2.6395 | 251.8391 | 0.1332 | |