

ASTRONOMICAL Julian EOT, equinox & solstice data, peak EOT values for: 2009

EQUATION OF TIME (EOT) FOR YEAR: 2009 NON LEAP YEAR mm.ss

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----|-------|-------|-------|-------|-------|-------|------|------|-------|--------|--------|--------|
| | Jan | Feb | Mar | Apr | May | Jun | Jly | Aug | Sep | Oct | Nov | Dec |
| 1 | 3.26 | 13.34 | 12.25 | 3.57 | -2.52 | -2.13 | 3.47 | 6.21 | 0.07 | -10.13 | -16.27 | -11.05 |
| 2 | 3.54 | 13.42 | 12.13 | 3.39 | -2.59 | -2.04 | 3.59 | 6.17 | -0.12 | -10.32 | -16.28 | -10.42 |
| 3 | 4.22 | 13.49 | 12.00 | 3.22 | -3.05 | -1.54 | 4.10 | 6.13 | -0.31 | -10.51 | -16.29 | -10.19 |
| 4 | 4.49 | 13.55 | 11.47 | 3.04 | -3.11 | -1.44 | 4.21 | 6.08 | -0.51 | -11.10 | -16.28 | -9.55 |
| 5 | 5.16 | 14.00 | 11.34 | 2.47 | -3.17 | -1.34 | 4.32 | 6.02 | -1.11 | -11.28 | -16.27 | -9.31 |
| 6 | 5.43 | 14.05 | 11.20 | 2.30 | -3.22 | -1.23 | 4.42 | 5.56 | -1.31 | -11.46 | -16.25 | -9.06 |
| 7 | 6.09 | 14.09 | 11.06 | 2.13 | -3.26 | -1.12 | 4.52 | 5.49 | -1.51 | -12.04 | -16.23 | -8.40 |
| 8 | 6.35 | 14.11 | 10.52 | 1.56 | -3.30 | -1.01 | 5.01 | 5.41 | -2.12 | -12.21 | -16.19 | -8.14 |
| 9 | 6.60 | 14.14 | 10.37 | 1.40 | -3.33 | -0.50 | 5.11 | 5.33 | -2.32 | -12.38 | -16.14 | -7.48 |
| 10 | 7.24 | 14.15 | 10.21 | 1.23 | -3.35 | -0.38 | 5.19 | 5.24 | -2.53 | -12.55 | -16.09 | -7.21 |
| 11 | 7.48 | 14.15 | 10.06 | 1.08 | -3.37 | -0.26 | 5.28 | 5.15 | -3.14 | -13.11 | -16.03 | -6.53 |
| 12 | 8.12 | 14.15 | 9.50 | 0.52 | -3.39 | -0.13 | 5.35 | 5.05 | -3.35 | -13.26 | -15.56 | -6.26 |
| 13 | 8.35 | 14.14 | 9.33 | 0.36 | -3.40 | -0.01 | 5.43 | 4.55 | -3.56 | -13.41 | -15.48 | -5.58 |
| 14 | 8.57 | 14.13 | 9.17 | 0.21 | -3.40 | 0.12 | 5.50 | 4.44 | -4.17 | -13.55 | -15.39 | -5.29 |
| 15 | 9.19 | 14.10 | 9.00 | 0.07 | -3.40 | 0.24 | 5.56 | 4.33 | -4.39 | -14.09 | -15.29 | -5.00 |
| 16 | 9.40 | 14.07 | 8.43 | -0.08 | -3.39 | 0.37 | 6.02 | 4.21 | -5.00 | -14.23 | -15.19 | -4.32 |
| 17 | 10.00 | 14.03 | 8.26 | -0.22 | -3.37 | 0.50 | 6.08 | 4.08 | -5.22 | -14.36 | -15.07 | -4.02 |
| 18 | 10.20 | 13.58 | 8.09 | -0.35 | -3.35 | 1.03 | 6.12 | 3.55 | -5.43 | -14.48 | -14.55 | -3.33 |
| 19 | 10.39 | 13.53 | 7.51 | -0.48 | -3.33 | 1.16 | 6.17 | 3.42 | -6.04 | -14.59 | -14.42 | -3.04 |
| 20 | 10.57 | 13.47 | 7.33 | -1.01 | -3.30 | 1.29 | 6.21 | 3.28 | -6.26 | -15.10 | -14.28 | -2.34 |
| 21 | 11.14 | 13.40 | 7.16 | -1.14 | -3.26 | 1.42 | 6.24 | 3.13 | -6.47 | -15.21 | -14.14 | -2.04 |
| 22 | 11.31 | 13.33 | 6.58 | -1.26 | -3.22 | 1.55 | 6.27 | 2.59 | -7.08 | -15.30 | -13.58 | -1.35 |
| 23 | 11.47 | 13.25 | 6.40 | -1.37 | -3.17 | 2.08 | 6.29 | 2.43 | -7.29 | -15.39 | -13.42 | -1.05 |
| 24 | 12.02 | 13.16 | 6.22 | -1.48 | -3.12 | 2.21 | 6.30 | 2.27 | -7.50 | -15.47 | -13.25 | -0.35 |
| 25 | 12.16 | 13.07 | 6.04 | -1.59 | -3.06 | 2.34 | 6.31 | 2.11 | -8.11 | -15.55 | -13.07 | -0.05 |
| 26 | 12.30 | 12.57 | 5.45 | -2.09 | -3.00 | 2.47 | 6.32 | 1.55 | -8.32 | -16.02 | -12.49 | 0.24 |
| 27 | 12.42 | 12.47 | 5.27 | -2.19 | -2.54 | 2.59 | 6.31 | 1.38 | -8.53 | -16.08 | -12.29 | 0.54 |
| 28 | 12.54 | 12.36 | 5.09 | -2.28 | -2.46 | 3.11 | 6.30 | 1.20 | -9.13 | -16.13 | -12.09 | 1.23 |
| 29 | 13.05 | | 4.51 | -2.36 | -2.39 | 3.24 | 6.29 | 1.02 | -9.33 | -16.18 | -11.49 | 1.52 |
| 30 | 13.16 | | 4.33 | -2.44 | -2.31 | 3.36 | 6.27 | 0.44 | -9.53 | -16.21 | -11.27 | 2.21 |
| 31 | 13.25 | | 4.15 | | -2.22 | | 6.24 | 0.26 | | -16.24 | | 2.50 |
| | | | | | | | | | | | | 3.19 |

| EOT | | 2009 | |
|-------------|--------|-------------|-------|
| MAJOR PEAKS | | MINOR PEAKS | |
| MAX | MIN | MAX | MIN |
| 14.15 | -16.29 | 6.32 | -3.40 |

| Solstice and Equinox for this year | | | |
|------------------------------------|----|----|-------------------------|
| yyyy | mm | dd | Astronomical Julian Day |
| 2009 | 1 | 1 | -- > 2454832.5 |
| 2009 | | | |

| Julian day and day of year for the event | | |
|--|-----------|--------|
| March equinox: | 2454911 | 78.49 |
| June Solstice: | 2455003.7 | 171.24 |
| September equinox: | 2455097.4 | 264.90 |
| December solstice: | 2455187.2 | 354.74 |