



TOTAL SOLAR ECLIPSE IN "RUSSIAN FEDERATION" FRIDAY 1st AUGUST 2008

| | POSITION | TOTAL PHASE | MAXIMUM ECLIPSE | OBSCURATION | FIRST CONTACT | LAST CONTACT |
|------|---------------|-------------|-----------------|-------------|---------------|--------------|
| | | MN S | H MN S | IN % | H MN S | H MN S OBS.% |
| 1 | Abakan | | 18 49 43 | 95,3 | 17 48 23 | 19 47 19 |
| 2 | Angarsk | | 19 52 35 | 85,0 | 18 55 10 | 20 46 44 |
| 3 | Arkhangel'sk | | 14 01 59 | 72,7 | 12 54 32 | 15 08 06 |
| 4 | Astrakhan | | 15 37 27 | 41,2 | 14 30 52 | 16 40 04 |
| 5 * | Barnaul | 2 18 | 17 48 39 | 100,0 | 16 44 57 | 18 48 16 |
| 6 | Belgorod | | 14 15 11 | 34,9 | 13 10 22 | 15 17 52 |
| 7 | Belomorsk | | 13 56 46 | 66,9 | 12 49 48 | 15 02 56 |
| 8 * | Beloyarsk | 1 01 | 15 17 05 | 100,0 | 14 12 03 | 16 19 45 |
| 9 * | Biysk | 2 17 | 17 50 33 | 100,0 | 16 47 17 | 18 49 43 |
| 10 | Bratsk | | 19 45 46 | 83,9 | 18 47 36 | 20 40 50 |
| 11 | Bryansk | | 14 08 09 | 38,5 | 13 02 47 | 15 11 55 |
| 12 | Cheboksary | | 14 19 19 | 61,0 | 13 10 27 | 15 25 20 |
| 13 | Chelyabinsk | | 15 33 28 | 77,7 | 14 24 53 | 16 38 08 |
| 14 * | Cherepanova | 2 14 | 17 54 22 | 100,0 | 16 51 25 | 18 53 07 |
| 15 | Cherepovets | | 14 05 17 | 57,3 | 12 57 31 | 15 11 30 |
| 16 | Chita | | 20 52 07 | 78,4 | 19 57 34 | 21 43 51 |
| 17 | Elista | | 14 31 13 | 37,5 | 13 25 21 | 15 33 33 |
| 18 | Gorkiy | | 14 15 41 | 57,5 | 13 07 08 | 15 21 43 |
| 19 * | Gorno-Altaysk | 2 15 | 17 51 57 | 100,0 | 16 48 54 | 18 50 53 |
| 20 | Groznyy | | 14 40 26 | 31,3 | 13 36 51 | 15 40 12 |

> Times are shown as LOCAL TIME

* Locality crossed by the band of totality of the Eclipse

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|------|---------------------|-------------|-----------------|-------------|-----------------|---------------------------|
| | | MN S | H MN S | IN % | H MN S | AT SUNSET H MN S OBS.% |
| 21 | Irkutsk | | 19 52 56 | 84,9 | 18 55 38 | 20 46 59 |
| 22 * | Iskitim | 2 21 | 17 46 04 | 100,0 | 16 42 18 | 18 45 55 |
| 23 | Ivanovo | | 14 11 28 | 55,5 | 13 03 18 | 15 17 31 |
| 24 * | Ivlevskiye Peski | 2 30 | 15 20 32 | 100,0 | 14 15 53 | 16 22 36 |
| 25 | Izhevsk | | 15 23 55 | 70,1 | 14 14 54 | 16 29 39 |
| 26 | Kalinin | | 14 05 57 | 49,5 | 12 58 48 | 15 11 33 |
| 27 | Kaliningrad | | 12 47 37 | 29,5 | 11 47 11 | 13 48 21 |
| 28 | Kaluga | | 14 09 15 | 44,0 | 13 02 38 | 15 14 04 |
| 29 | Kansk | | 18 45 45 | 89,2 | 17 45 45 | 19 42 21 |
| 30 | Kazan' | | 14 21 54 | 62,7 | 13 12 54 | 15 27 49 |
| 31 | Kemerovo | | 18 45 21 | 99,0 | 17 42 25 | 19 44 30 |
| 32 | Khabarovsk | | 21 37 01 | 58,5 | 21 00 17 | 21 37 01 58,5 |
| 33 * | Khe | 2 30 | 15 19 26 | 100,0 | 14 14 43 | 16 21 38 |
| 34 * | Khorovaya | 2 29 | 15 20 04 | 100,0 | 14 15 26 | 16 22 08 |
| 35 * | Kirilkina | 2 15 | 15 31 45 | 100,0 | 14 27 14 | 16 32 59 |
| 36 | Kirov | | 15 17 44 | 69,2 | 14 08 55 | 16 23 49 |
| 37 | Komsomolsk-na-Amure | | 21 36 38 | 62,1 | 20 56 51 | 21 36 38 62,1 |
| 38 | Konosha | | 14 05 39 | 64,1 | 12 57 39 | 15 12 01 |
| 39 | Kostroma | | 14 10 25 | 57,3 | 13 02 12 | 15 16 35 |
| 40 * | Kotkino | 1 34 | 17 44 03 | 100,0 | 16 39 34 | 18 44 35 |
| 41 | Kotlas | | 14 11 15 | 71,4 | 13 02 53 | 19 17 27 |
| 42 | Krasnodar | | 14 27 59 | 25,1 | 13 26 45 | 15 26 27 |
| 43 | Krasnoyarsk | | 18 45 29 | 92,0 | 17 44 35 | 19 42 54 |
| 44 | Kurgan | | 15 35 39 | 83,3 | 14 27 39 | 16 39 41 |
| 45 | Kursk | | 14 13 02 | 37,2 | 13 07 41 | 15 16 22 |
| 46 | Kuybyshev | | 15 27 17 | 58,6 | 14 18 20 | 16 32 43 |
| 47 | Kyzyl | | 18 54 25 | 94,5 | 17 54 00 | 19 51 01 |
| 48 | Lesosibirsk | | 18 41 26 | 90,7 | 17 40 30 | 19 39 01 |
| 49 | Lipetsk | | 14 16 09 | 43,4 | 13 09 15 | 15 20 40 |
| 50 | Magadan | | 22 24 55 | 63,0 | 21 38 58 | 22 24 55 63,0 |
| 51 | Magnitogorsk | | 15 34 53 | 71,6 | 14 25 58 | 16 39 44 |
| 52 | Maikop | | 14 30 33 | 25,7 | 13 29 00 | 15 29 03 |
| 53 | Makhachkala | | 14 43 24 | 33,3 | 13 39 16 | 15 43 29 |
| 54 * | Maslyanino | 2 09 | 17 46 29 | 100,0 | 16 42 53 | 18 46 08 |
| 55 * | Mordyyakha | 2 24 | 15 10 59 | 100,0 | 14 06 58 | 16 13 07 |
| 56 * | Morrasale | 2 28 | 15 11 50 | 100,0 | 14 07 32 | 16 14 11 |
| 57 | MOSCOW | | 14 09 26 | 48,7 | 13 02 05 | 15 14 53 |
| 58 | Murmansk | | 13 52 15 | 77,5 | 12 46 26 | 14 57 37 |
| 59 * | Nadym | 2 30 | 15 21 25 | 100,0 | 14 16 43 | 16 23 28 |
| 60 | Naltchik | | 14 37 24 | 28,5 | 13 34 47 | 15 36 29 |
| 61 | Nizhneangarsk | | 19 46 26 | 78,6 | 18 50 30 | 20 39 31 |
| 62 * | Nizhnevartovsk | 2 26 | 15 31 34 | 100,0 | 14 26 42 | 16 33 08 |
| 63 | Nizhniy Novgorod | | 14 15 41 | 57,5 | 13 07 08 | 15 21 43 |
| 64 | Nizhniy Tagil | | 15 27 20 | 80,6 | 14 18 55 | 16 32 17 |
| 65 | Noril'sk | | 18 19 41 | 88,8 | 17 18 47 | 19 18 22 |
| 66 | Novgorod | | 13 58 41 | 49,2 | 12 52 19 | 15 04 12 |
| 67 | Novokuznetsk | | 18 48 49 | 99,3 | 17 46 10 | 19 47 33 |
| 68 | Novorossiysk | | 14 26 41 | 22,8 | 13 26 40 | 15 24 07 |
| 69 * | Novosibirsk | 2 18 | 17 45 10 | 100,0 | 16 41 21 | 18 45 05 |
| 70 * | Novyy Port | 0 41 | 15 17 51 | 100,0 | 14 13 49 | 16 19 33 |

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|-------|-------------------------|-------------|-----------------|-------------|---------------|---------------------------|
| | | MN S | H MN S | IN % | H MN S | AT SUNSET H MN S OBS.% |
| 71 * | Noyabr'sk | 2 23 | 15 27 02 | 100,0 | 14 22 23 | 16 28 41 |
| 72 * | Nyaru-Sale | 2 21 | 15 14 11 | 100,0 | 14 09 36 | 16 16 37 |
| 73 * | Ogni | 0 47 | 17 51 23 | 100,0 | 16 47 36 | 18 50 58 |
| 74 | Omsk | | 17 41 17 | 92,7 | 16 34 52 | 18 43 36 |
| 75 * | Onguday | 2 13 | 17 54 18 | 100,0 | 16 51 20 | 18 53 03 |
| 76 | Orël | | 14 11 05 | 40,0 | 13 05 10 | 15 15 07 |
| 77 | Orenburg | | 15 34 22 | 62,8 | 14 25 21 | 16 39 21 |
| 78 | Orsk | | 15 38 41 | 66,8 | 14 29 48 | 16 43 16 |
| 79 | Penza | | 14 21 43 | 51,7 | 13 13 23 | 15 27 03 |
| 80 | Pereslav'-Zalesskiy | | 14 09 30 | 52,3 | 13 01 44 | 15 15 20 |
| 81 | Perm | | 15 24 22 | 75,9 | 14 15 37 | 16 29 50 |
| 82 | Petrozavodsk | | 13 58 52 | 60,4 | 12 51 39 | 15 05 05 |
| 83 * | Pisega | 2 25 | 18 41 06 | 100,0 | 17 36 47 | 19 41 39 |
| 84 | Podolsk | | 14 09 40 | 47,6 | 13 02 27 | 15 15 00 |
| 85 | Prokopyevsk | | 18 48 23 | 99,5 | 17 45 36 | 19 47 15 |
| 86 | Pskov | | 13 55 51 | 44,6 | 12 50 27 | 15 00 41 |
| 87 * | Pudino | 2 18 | 17 39 06 | 100,0 | 16 34 28 | 18 40 01 |
| 88 | Rostov | | 14 09 26 | 54,1 | 13 01 31 | 15 15 25 |
| 89 | Rostov-na-Donu | | 14 25 07 | 31,1 | 13 21 18 | 15 26 07 |
| 90 | Ryazan | | 14 13 21 | 48,3 | 13 05 48 | 15 18 41 |
| 91 | Rybinsk | | 14 07 43 | 55,6 | 12 59 49 | 15 13 49 |
| 92 * | Saleata | 1 46 | 15 18 08 | 100,0 | 14 13 56 | 16 19 57 |
| 93 | Samara | | 15 27 17 | 58,6 | 14 18 20 | 16 32 43 |
| 94 | Saransk | | 14 20 15 | 54,2 | 13 11 44 | 15 25 52 |
| 95 | Saratov | | 15 25 35 | 49,2 | 14 17 29 | 16 30 25 |
| 96 | Severodvinsk | | 14 01 13 | 72,1 | 12 53 50 | 15 07 21 |
| 97 | Shakhty | | 14 25 02 | 32,8 | 13 20 35 | 15 26 36 |
| 98 | Simbirsk | | 16 23 36 | 58,2 | 14 14 42 | 16 29 15 |
| 99 | Smolensk | | 14 03 27 | 40,2 | 12 58 05 | 15 07 38 |
| 100 | Sochi | | 14 31 49 | 23,1 | 13 31 43 | 15 29 00 |
| 101 | St Petersburg | | 13 56 22 | 52,1 | 12 49 58 | 15 02 06 |
| 102 * | Stantsionno-Oyashinskiy | 1 39 | 17 44 38 | 100,0 | 16 41 03 | 18 44 23 |
| 103 | Stavropol | | 14 32 13 | 29,3 | 13 29 07 | 15 32 05 |
| 104 | Sterlitamak | | 15 31 53 | 67,7 | 14 22 48 | 16 37 06 |
| 105 * | Strezhevoy | 2 27 | 18 32 23 | 100,0 | 17 27 43 | 19 33 42 |
| 106 | Suzdal | | 14 11 41 | 53,6 | 13 03 39 | 15 17 35 |
| 107 | Sverdlovsk | | 15 29 48 | 79,4 | 14 21 18 | 16 34 40 |
| 108 | Syktyvkar | | 14 14 04 | 76,6 | 13 05 47 | 15 19 56 |
| 109 | Tambov | | 14 18 18 | 46,0 | 13 10 50 | 15 23 08 |
| 110 * | Tanlovo | 2 24 | 15 22 22 | 100,0 | 14 17 46 | 16 24 16 |
| 111 * | Tarsk | 2 13 | 17 38 10 | 100,0 | 16 33 55 | 18 38 49 |
| 112 | Tobol'sk | | 15 32 35 | 90,6 | 14 25 26 | 16 36 04 |
| 113 | Togliatti | | 15 26 09 | 57,7 | 14 17 15 | 16 31 38 |
| 114 | Tolyatti | | 15 25 52 | 58,3 | 14 16 56 | 16 31 24 |
| 115 | Tomsk | | 18 43 00 | 99,0 | 17 39 51 | 19 42 28 |
| 116 | Tula | | 14 11 25 | 44,8 | 13 04 31 | 15 16 19 |
| 117 | Tver' | | 14 05 57 | 49,5 | 12 58 48 | 15 11 33 |
| 118 | Tyumen | | 15 32 38 | 86,1 | 14 24 53 | 16 36 40 |
| 119 | Ufa | | 15 29 55 | 69,7 | 14 20 51 | 16 35 15 |
| 120 | Ulan-Ude | | 19 53 18 | 82,5 | 18 57 03 | 20 46 27 |

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|-------|------------------|-------------|-----------------|-------------|---------------|---------------------------|
| | | MN S | H MN S | IN % | H MN S | AT SUNSET H MN S OBS.% |
| 121 | Ulyanovsk | | 15 23 28 | 58,6 | 14 14 34 | 16 29 10 |
| 122 | Urengoy | | 15 23 01 | 97,8 | 14 19 32 | 16 23 51 |
| 123 * | Ur'yevskiye | 1 54 | 15 30 21 | 100,0 | 14 25 13 | 16 32 13 |
| 124 * | Uskuch | 1 41 | 17 52 03 | 100,0 | 16 49 18 | 18 50 43 |
| 125 * | Ust'-Chuzik | 2 17 | 17 38 37 | 100,0 | 16 34 21 | 18 39 16 |
| 126 * | Ust'-Kara | 1 04 | 15 11 43 | 100,0 | 14 07 00 | 16 14 26 |
| 127 | Ust'-Kut | | 19 44 59 | 80,8 | 18 47 53 | 20 39 07 |
| 128 * | Ust'-Yuribey | 2 21 | 15 14 21 | 100,0 | 14 10 08 | 16 16 25 |
| 129 * | Varkuta | 2 14 | 15 18 53 | 100,0 | 14 14 00 | 16 21 16 |
| 130 * | Verkhneye Panino | 2 18 | 17 35 02 | 100,0 | 16 30 36 | 18 36 01 |
| 131 | Vladimir | | 14 12 01 | 52,8 | 13 04 02 | 15 17 51 |
| 132 | Vladivostok | | 21 34 05 | 38,0 | 21 08 48 | 21 34 05 38,0 |
| 133 | Volgograd | | 15 28 44 | 41,1 | 14 22 00 | 16 32 05 |
| 134 | Vologda | | 14 07 28 | 59,5 | 12 59 24 | 15 13 45 |
| 135 | Volzhskiy | | 15 28 57 | 41,6 | 14 22 07 | 16 32 22 |
| 136 | Voronezh | | 14 17 07 | 40,6 | 13 10 43 | 15 21 05 |
| 137 | Vyborg | | 13 53 48 | 52,9 | 12 47 40 | 14 59 29 |
| 138 * | Yagel'nyy | 2 24 | 15 22 50 | 100,0 | 14 17 55 | 16 25 00 |
| 139 | Yakutsk | | 20 31 41 | 67,0 | 19 39 54 | 21 21 39 |
| 140 * | Yarano | 2 30 | 15 15 33 | 100,0 | 14 11 05 | 16 17 48 |
| 141 | Yaroslavl | | 14 09 28 | 55,6 | 13 01 26 | 15 15 33 |
| 142 * | Yary | 2 04 | 15 12 59 | 100,0 | 14 08 21 | 16 15 32 |
| 143 | Yekaterinburg | | 15 29 48 | 79,4 | 14 21 18 | 16 34 40 |
| 144 * | Yeremino | 2 27 | 18 37 09 | 100,0 | 17 32 38 | 19 38 05 |
| 145 | Yoshkar-Ola | | 14 19 12 | 62,9 | 13 10 17 | 15 25 15 |
| 146 | Zagorsk | | 14 09 10 | 50,7 | 13 01 36 | 15 14 51 |
| 147 | Zlatoust | | 15 32 10 | 75,3 | 14 23 23 | 16 37 06 |

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