

SATURN

| M d 2013 | Wsch. | Kulm. | Zach. | A | α | δ | D | b/a | V | ΔI |
|-------------|-------------|-------|--------------|----|----------|----------|------|------|-----|------------|
| | $\lambda=0$ | | $\varphi=50$ | | 0^hUT | | | | | |
| | h m | h m | h m | ° | h m | ° ' " | " | | m | ° |
| I 0 | 2 49 | 7 51 | 12 53 | 71 | 14 31.3 | - 12 26 | 16.2 | 0.32 | 0.6 | -60 |
| 8 | 2 20 | 7 22 | 12 23 | 71 | 14 33.6 | - 12 35 | 16.3 | 0.33 | 0.5 | -68 |
| 16 | 1 52 | 6 52 | 11 53 | 71 | 14 35.6 | - 12 43 | 16.6 | 0.33 | 0.5 | -75 |
| 24 | 1 22 | 6 22 | 11 22 | 71 | 14 37.2 | - 12 49 | 16.8 | 0.33 | 0.5 | -83 |
| II 1 | 0 52 | 5 52 | 10 52 | 70 | 14 38.4 | - 12 52 | 17.0 | 0.33 | 0.4 | -91 |
| 9 | 0 22 | 5 21 | 10 21 | 70 | 14 39.2 | - 12 54 | 17.2 | 0.33 | 0.4 | -99 |
| 17 | 23 47 | 4 50 | 9 50 | 70 | 14 39.6 | - 12 54 | 17.5 | 0.33 | 0.4 | -107 |
| 25 | 23 15 | 4 19 | 9 18 | 70 | 14 39.5 | - 12 51 | 17.7 | 0.33 | 0.4 | -115 |
| III 5 | 22 42 | 3 47 | 8 47 | 71 | 14 39.0 | - 12 47 | 17.9 | 0.33 | 0.3 | -123 |
| 13 | 22 10 | 3 14 | 8 15 | 71 | 14 38.0 | - 12 41 | 18.1 | 0.33 | 0.3 | -131 |
| 21 | 21 36 | 2 42 | 7 43 | 71 | 14 36.7 | - 12 33 | 18.3 | 0.33 | 0.3 | -140 |
| 29 | 21 02 | 2 08 | 7 11 | 71 | 14 35.1 | - 12 24 | 18.5 | 0.32 | 0.3 | -148 |
| IV 6 | 20 28 | 1 35 | 6 38 | 71 | 14 33.2 | - 12 14 | 18.6 | 0.32 | 0.3 | -156 |
| 14 | 19 53 | 1 02 | 6 05 | 72 | 14 31.0 | - 12 03 | 18.7 | 0.32 | 0.3 | -165 |
| 22 | 19 19 | 0 28 | 5 33 | 72 | 14 28.8 | - 11 51 | 18.8 | 0.31 | 0.3 | -173 |
| 30 | 18 44 | 23 50 | 4 60 | 72 | 14 26.4 | - 11 40 | 18.8 | 0.31 | 0.3 | 177 |
| V 8 | 18 09 | 23 16 | 4 27 | 73 | 14 24.1 | - 11 29 | 18.7 | 0.31 | 0.4 | 170 |
| 16 | 17 35 | 22 42 | 3 54 | 73 | 14 21.8 | - 11 18 | 18.7 | 0.30 | 0.4 | 161 |
| 24 | 17 00 | 22 09 | 3 22 | 73 | 14 19.8 | - 11 09 | 18.6 | 0.30 | 0.4 | 153 |
| VI 1 | 16 26 | 21 36 | 2 49 | 73 | 14 17.9 | - 11 01 | 18.4 | 0.30 | 0.5 | 145 |
| 9 | 15 53 | 21 03 | 2 16 | 74 | 14 16.3 | - 10 54 | 18.3 | 0.30 | 0.5 | 137 |
| 17 | 15 20 | 20 30 | 1 44 | 74 | 14 15.1 | - 10 50 | 18.1 | 0.30 | 0.5 | 129 |
| 25 | 14 47 | 19 58 | 1 12 | 74 | 14 14.2 | - 10 47 | 17.8 | 0.29 | 0.6 | 121 |
| VII 3 | 14 15 | 19 26 | 0 40 | 74 | 14 13.7 | - 10 47 | 17.6 | 0.29 | 0.6 | 114 |
| 11 | 13 44 | 18 54 | 0 08 | 74 | 14 13.6 | - 10 48 | 17.4 | 0.30 | 0.6 | 106 |
| 19 | 13 13 | 18 23 | 23 33 | 74 | 14 13.9 | - 10 52 | 17.2 | 0.30 | 0.7 | 98 |
| 27 | 12 43 | 17 52 | 23 02 | 73 | 14 14.5 | - 10 58 | 16.9 | 0.30 | 0.7 | 91 |
| VIII 4 | 12 13 | 17 22 | 22 31 | 73 | 14 15.6 | - 11 06 | 16.7 | 0.30 | 0.7 | 84 |
| 12 | 11 44 | 16 52 | 21 60 | 73 | 14 17.1 | - 11 15 | 16.5 | 0.30 | 0.7 | 76 |
| 20 | 11 15 | 16 22 | 21 29 | 73 | 14 18.9 | - 11 27 | 16.3 | 0.31 | 0.8 | 69 |
| 28 | 10 47 | 15 53 | 20 59 | 72 | 14 21.0 | - 11 39 | 16.1 | 0.31 | 0.8 | 62 |
| IX 5 | 10 19 | 15 24 | 20 29 | 72 | 14 23.5 | - 11 53 | 15.9 | 0.31 | 0.8 | 55 |
| 13 | 9 52 | 14 55 | 19 59 | 72 | 14 26.2 | - 12 09 | 15.8 | 0.32 | 0.8 | 48 |
| 21 | 9 25 | 14 27 | 19 29 | 71 | 14 29.2 | - 12 25 | 15.6 | 0.32 | 0.8 | 41 |
| 29 | 8 58 | 13 59 | 18 59 | 71 | 14 32.4 | - 12 41 | 15.5 | 0.33 | 0.8 | 34 |
| X 7 | 8 31 | 13 31 | 18 30 | 70 | 14 35.7 | - 12 59 | 15.4 | 0.33 | 0.8 | 27 |
| 15 | 8 05 | 13 03 | 18 00 | 70 | 14 39.3 | - 13 16 | 15.3 | 0.34 | 0.8 | 20 |
| 23 | 7 39 | 12 35 | 17 31 | 69 | 14 42.9 | - 13 34 | 15.3 | 0.34 | 0.8 | 13 |
| 31 | 7 12 | 12 07 | 17 02 | 69 | 14 46.6 | - 13 51 | 15.2 | 0.35 | 0.8 | 6 |
| XI 8 | 6 46 | 11 39 | 16 32 | 68 | 14 50.4 | - 14 08 | 15.2 | 0.35 | 0.7 | -2 |
| 16 | 6 20 | 11 12 | 16 03 | 68 | 14 54.2 | - 14 25 | 15.3 | 0.36 | 0.7 | -9 |
| 24 | 5 54 | 10 44 | 15 34 | 67 | 14 57.9 | - 14 41 | 15.3 | 0.36 | 0.7 | -16 |
| XII 2 | 5 27 | 10 16 | 15 05 | 67 | 15 01.6 | - 14 57 | 15.4 | 0.36 | 0.7 | -23 |
| 10 | 5 01 | 9 48 | 14 36 | 67 | 15 05.2 | - 15 11 | 15.4 | 0.37 | 0.7 | -30 |
| 18 | 4 34 | 9 20 | 14 07 | 66 | 15 08.6 | - 15 24 | 15.5 | 0.37 | 0.6 | -37 |
| 26 | 4 07 | 8 52 | 13 37 | 66 | 15 11.8 | - 15 36 | 15.7 | 0.37 | 0.6 | -45 |
| 2014 I 3 | 3 39 | 8 23 | 13 08 | 66 | 15 14.8 | - 15 47 | 15.8 | 0.38 | 0.6 | -52 |