

## 西宮

NISHINOMIYA

2023 年

| 満 潮 |     |       |      |       |       |       |      |       |      | 干 潮 |      |      |       |       |       |       |       |       |       | 満 潮   |      |       |       |       |       |       |       |       |       | 干 潮   |       |    |  |  |  |  |  |  |  |
|-----|-----|-------|------|-------|-------|-------|------|-------|------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|--|--|--|--|--|--|--|
| 日   | 時 分 | cm    | 時 分  | cm    | 時 分   | cm    | 時 分  | cm    | 時 分  | 日   | 時 分  | cm   | 時 分   | cm    | 時 分   | cm    | 時 分   | cm    | 時 分   | 日     | 時 分  | cm    | 時 分   | cm    | 時 分   | cm    | 時 分   | cm    |       |       |       |    |  |  |  |  |  |  |  |
| 1月  | 1   |       |      |       |       |       |      |       |      | 4月  | 1    | 5 57 | 122   | 16 26 | 91    | 14 4  | 83    | 23 4  | 34    | 5月    | 1    | 5 57  | 122   | 16 26 | 91    | 14 4  | 83    | 23 4  | 34    |       |       |    |  |  |  |  |  |  |  |
|     | 2   | 7 33  | 107  | 14 35 | 112   | 9 16  | 105  | 22 42 | 39   |     | 2    | 5 55 | 123   | 17 4  | 103   | 11 49 | 81    | 23 38 | 32    |       | 2    | 5 55  | 123   | 17 4  | 103   | 11 49 | 81    | 23 38 | 32    |       |       |    |  |  |  |  |  |  |  |
|     | 3   | 8 3   | 116  | 15 42 | 113   | 13 50 | 110  | 23 36 | 14   |     | 3    | 6 8  | 125   | 17 36 | 115   | 11 56 | 69    |       |       |       | 3    | 6 8   | 125   | 17 36 | 115   | 11 56 | 69    |       |       |       |       |    |  |  |  |  |  |  |  |
|     | 4   | 8 18  | 120  | 13 11 | 113   | 11 20 | 111  | 14 41 | 112  |     | 4    | 6 23 | 128   | 18 8  | 127   | 0 5   | 31    | 12 15 | 56    |       | 4    | 6 23  | 128   | 18 8  | 127   | 0 5   | 31    | 12 15 | 56    |       |       |    |  |  |  |  |  |  |  |
|     | 5   | 16 22 | 114  |       |       |       |      |       |      |     | 5    | 6 39 | 132   | 18 41 | 137   | 0 28  | 32    | 12 39 | 42    |       | 5    | 6 39  | 132   | 18 41 | 137   | 0 28  | 32    | 12 39 | 42    |       |       |    |  |  |  |  |  |  |  |
|     |     | 7 28  | 124  | 17 6  | 117   | 0 10  | 4    | 11 58 | 107  |     | 6    | 望    | 6 59  | 138   | 19 16 | 145   | 0 52  | 34    | 13 8  |       | 28   | 6     | 望     | 6 59  | 138   | 19 16 | 145   | 0 52  | 34    | 13 8  | 28    |    |  |  |  |  |  |  |  |
|     | 6   | 7 35  | 129  | 17 48 | 120   | 0 45  | -3   | 12 32 | 101  |     | 7    | 7 23 | 142   | 19 55 | 148   | 1 18  | 39    | 13 40 | 17    |       | 7    | 7 23  | 142   | 19 55 | 148   | 1 18  | 39    | 13 40 | 17    |       |       |    |  |  |  |  |  |  |  |
|     | 7   | 8 1   | 133  | 18 29 | 122   | 1 20  | -8   | 13 5  | 95   |     | 8    | 7 49 | 143   | 20 37 | 146   | 1 49  | 47    | 14 16 | 9     |       | 8    | 7 49  | 143   | 20 37 | 146   | 1 49  | 47    | 14 16 | 9     |       |       |    |  |  |  |  |  |  |  |
|     | 8   | 8 31  | 133  | 19 7  | 123   | 1 54  | -9   | 13 38 | 90   |     | 9    | 8 15 | 140   | 21 25 | 138   | 2 22  | 59    | 14 57 | 7     |       | 9    | 8 15  | 140   | 21 25 | 138   | 2 22  | 59    | 14 57 | 7     |       |       |    |  |  |  |  |  |  |  |
|     | 9   | 9 3   | 131  | 19 45 | 121   | 2 27  | -7   | 14 12 | 87   |     | 10   | 8 41 | 133   | 22 25 | 127   | 2 58  | 75    | 15 43 | 9     |       | 10   | 8 41  | 133   | 22 25 | 127   | 2 58  | 75    | 15 43 | 9     |       |       |    |  |  |  |  |  |  |  |
|     | 10  | 9 36  | 128  | 20 23 | 117   | 2 59  | -1   | 14 49 | 86   |     |      |      |       |       |       |       |       |       |       |       |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |
|     | 11  | 10 10 | 124  | 21 6  | 110   | 3 30  | 7    | 15 32 | 85   |     | 11   | 8 57 | 125   | 23 54 | 117   | 3 38  | 93    | 16 38 | 14    |       | 12   | 8 57  | 125   | 23 54 | 117   | 3 38  | 93    | 16 38 | 14    |       |       |    |  |  |  |  |  |  |  |
|     | 12  | 10 44 | 121  | 21 53 | 101   | 4 1   | 18   | 16 25 | 84   |     | 12   | 7 56 | 119   |       |       | 4 27  | 109   | 17 44 | 21    |       | 13   | 7 56  | 119   |       |       | 4 27  | 109   | 17 44 | 21    |       |       |    |  |  |  |  |  |  |  |
|     | 13  | 11 19 | 118  | 22 52 | 91    | 4 34  | 32   | 17 38 | 79   |     | 下弦   | 4 1  | 123   |       |       |       |       | 19 7  | 27    |       | 14   | 4 1   | 123   |       |       |       |       |       | 19 7  | 27    |       |    |  |  |  |  |  |  |  |
|     | 14  | 11 53 | 115  |       |       | 5 8   | 47   | 20 29 | 69   |     | 15   | 4 53 | 130   |       |       |       |       | 20 51 | 30    |       | 15   | 4 53  | 130   |       |       |       |       |       | 20 51 | 30    |       |    |  |  |  |  |  |  |  |
|     | 15  | 下弦    | 0 10 | 84    | 12 27 | 113   | 5 49 | 64    | 21 2 | 55  | 16   | 5 15 | 132   | 14 46 | 95    | 12 42 | 91    | 22 1  | 29    | 16    | 5 15 | 132   | 14 46 | 95    | 12 42 | 91    | 22 1  | 29    |       |       |       |    |  |  |  |  |  |  |  |
|     | 16  | 3 21  | 83   | 13 2  | 111   | 6 45  | 80   | 21 34 | 40   | 17  | 5 20 | 135  | 16 3  | 110   | 11 11 | 65    | 23 24 | 31    | 18    | 5 20  | 135  | 16 3  | 110   | 11 11 | 65    | 23 24 | 31    |       |       |       |       |    |  |  |  |  |  |  |  |
|     | 17  | 5 51  | 99   | 13 40 | 111   | 8 6   | 94   | 22 16 | 24   | 18  | 5 41 | 139  | 17 41 | 140   | 11 41 | 45    | 23 59 | 37    | 19    | 5 41  | 139  | 17 41 | 140   | 11 41 | 45    | 23 59 | 37    |       |       |       |       |    |  |  |  |  |  |  |  |
|     | 18  | 6 27  | 114  | 14 32 | 113   | 9 39  | 103  | 23 2  | 6    | 19  | 6 8  | 144  | 18 25 | 149   |       |       | 12 17 | 26    | 20    | 6 8   | 144  | 18 25 | 149   |       |       | 12 17 | 26    |       |       |       |       |    |  |  |  |  |  |  |  |
|     | 19  | 6 47  | 127  | 15 42 | 117   | 10 56 | 103  | 23 46 | -12  | 朔   | 6 38 | 148  | 19 9  | 152   | 0 33  | 46    | 12 55 | 12    | 21    | 6 38  | 148  | 19 9  | 152   | 0 33  | 46    | 12 55 | 12    |       |       |       |       |    |  |  |  |  |  |  |  |
|     | 20  | 7 0   | 137  | 16 55 | 125   | 11 48 | 98   |       |      |     |      |      |       |       |       |       |       |       |       |       |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |
|     | 21  | 7 24  | 145  | 17 57 | 135   | 0 30  | -28  | 12 30 | 91   | 22  | 7 7  | 148  | 19 53 | 150   | 1 6   | 57    | 13 35 | 4     | 23    | 7 7   | 148  | 19 53 | 150   | 1 6   | 57    | 13 35 | 4     |       |       |       |       |    |  |  |  |  |  |  |  |
|     | 22  | 7 55  | 149  | 18 50 | 143   | 1 12  | -38  | 13 11 | 82   | 23  | 7 34 | 144  | 20 40 | 142   | 1 38  | 71    | 14 17 | 3     | 24    | 7 55  | 149  | 18 50 | 143   | 1 12  | -38   | 13 11 | 82    | 14 17 | 3     |       |       |    |  |  |  |  |  |  |  |
|     | 23  | 8 29  | 149  | 19 39 | 145   | 1 53  | -40  | 13 52 | 74   | 24  | 7 57 | 136  | 21 32 | 132   | 2 8   | 85    | 15 1  | 7     | 25    | 8 29  | 149  | 19 39 | 145   | 1 53  | -40   | 13 52 | 74    | 15 1  | 7     |       |       |    |  |  |  |  |  |  |  |
|     | 24  | 9 6   | 145  | 20 25 | 141   | 2 33  | -32  | 14 35 | 69   | 25  | 8 7  | 129  | 22 37 | 122   | 2 33  | 98    | 15 49 | 15    | 26    | 9 6   | 145  | 20 25 | 141   | 2 33  | -32   | 14 35 | 69    | 16 40 | 25    |       |       |    |  |  |  |  |  |  |  |
|     | 25  | 9 43  | 138  | 21 13 | 128   | 3 13  | -16  | 15 22 | 65   |     | 7 28 | 123  |       |       | 2 49  | 108   | 16 40 | 25    | 26    | 9 43  | 138  | 21 13 | 128   | 3 13  | -16   | 15 22 | 65    |       |       |       |       |    |  |  |  |  |  |  |  |
|     | 26  | 10 21 | 130  | 22 2  | 111   | 3 50  | 8    | 16 17 | 63   | 上弦  | 6 37 | 123  |       |       |       |       | 17 36 | 35    | 27    | 10 21 | 130  | 22 2  | 111   | 3 50  | 8     | 16 17 | 63    | 18 41 | 43    |       |       |    |  |  |  |  |  |  |  |
|     | 27  | 10 58 | 121  | 23 1  | 92    | 4 24  | 35   | 17 36 | 60   | 28  | 6 8  | 124  |       |       |       |       | 20 14 | 50    | 28    | 10 58 | 121  | 23 1  | 92    | 4 24  | 35    | 17 36 | 60    | 20 14 | 50    |       |       |    |  |  |  |  |  |  |  |
|     | 28  | 11 31 | 114  |       |       | 4 48  | 61   | 19 54 | 51   | 29  | 4 47 | 125  | 15 10 | 85    | 13 24 | 83    | 21 29 | 53    | 29    | 11 31 | 114  |       |       | 4 48  | 61    | 19 54 | 51    | 21 29 | 53    |       |       |    |  |  |  |  |  |  |  |
|     | 29  | 11 48 | 108  |       |       |       |      | 21 4  | 41   | 30  | 4 55 | 125  | 16 3  | 94    | 12 39 | 82    | 22 18 | 55    | 30    | 11 48 | 108  |       |       |       |       |       | 21 4  | 41    | 22 18 | 55    |       |    |  |  |  |  |  |  |  |
|     | 30  | 9 33  | 109  |       |       |       |      | 22 1  | 31   |     |      |      |       |       |       |       |       |       |       | 31    | 9 33 | 109   |       |       |       |       |       | 22 1  | 31    |       |       |    |  |  |  |  |  |  |  |
|     | 31  | 8 47  | 116  |       |       |       |      | 22 46 | 22   |     |      |      |       |       |       |       |       |       |       |       | 8 47 | 116   |       |       |       |       |       | 22 46 | 22    |       |       |    |  |  |  |  |  |  |  |
| 2月  | 1   | 8 29  | 120  |       |       |       |      | 23 23 | 14   | 5月  | 1    | 5 6  | 126   | 16 41 | 105   | 11 32 | 74    | 22 52 | 57    | 6月    | 1    | 5 6   | 126   | 16 41 | 105   | 11 32 | 74    | 22 52 | 57    |       |       |    |  |  |  |  |  |  |  |
|     | 2   | 8 31  | 121  |       |       |       |      | 23 58 | 6    |     | 2    | 5 17 | 127   | 17 15 | 117   | 11 32 | 62    | 23 18 | 60    |       | 2    | 5 17  | 127   | 17 15 | 117   | 11 32 | 62    | 23 18 | 60    |       |       |    |  |  |  |  |  |  |  |
|     | 3   | 7 18  | 121  | 13 52 | 104   | 12 9  | 101  | 15 40 | 101  |     | 3    | 5 29 | 130   | 17 49 | 130   | 11 48 | 47    | 23 44 | 62    |       | 3    | 5 29  | 130   | 17 49 | 130   | 11 48 | 47    | 23 44 | 62    |       |       |    |  |  |  |  |  |  |  |
|     | 4   | 17 16 | 104  |       |       |       |      |       |      |     | 4    | 5 47 | 136   | 18 24 | 142   |       |       | 12 12 | 31    |       | 4    | 5 47  | 136   | 18 24 | 142   |       |       | 12 12 | 31    |       |       |    |  |  |  |  |  |  |  |
|     | 5   | 7 18  | 125  | 18 0  | 112   | 0 32  | -1   | 12 30 | 91   |     | 5    | 6 10 | 142   | 19 3  | 151   | 0 13  | 64    | 12 42 | 15    |       | 5    | 6 10  | 142   | 19 3  | 151   | 0 13  | 64    | 12 42 | 15    |       |       |    |  |  |  |  |  |  |  |
|     |     | 7 39  | 128  | 18 38 | 119   | 1 5   | -6   | 12 56 | 82   |     | 6    | 望    | 6 37  | 147   | 19 45 | 156   | 0 46  | 68    | 13 18 |       | 3    | 6     | 望     | 6 37  | 147   | 19 45 | 156   | 0 46  | 68    | 13 18 | 3     |    |  |  |  |  |  |  |  |
|     | 6   | 8 3   | 130  | 19 12 | 125   | 1 35  | -7   | 13 25 | 74   |     | 7    | 7 7  | 148   | 20 32 | 155   | 1 21  | 75    | 13 57 | -4    |       | 7    | 8 3   | 130   | 19 12 | 125   | 1 35  | -7    | 13 25 | 74    | 14 42 | -4    |    |  |  |  |  |  |  |  |
|     | 7   | 8 29  | 130  | 19 47 | 127   | 2 3   | -6   | 13 56 | 67   |     | 8    | 7 37 | 146   | 21 26 | 149   | 2 0   | 85    | 14 42 | -4    |       | 8    | 8 29  | 130   | 19 47 | 127   | 2 3   | -6    | 13 56 | 67    | 15 42 | -4    |    |  |  |  |  |  |  |  |
|     | 8   | 8 54  | 130  | 20 23 | 125   | 2 29  | -1   | 14 30 | 62   |     | 9    | 8 4  | 139   | 22 32 | 140   | 2 42  | 98    | 15 33 | 1     |       | 9    | 8 54  | 130   | 20 23 | 125   | 2 29  | -1    | 14 30 | 62    | 16 42 | 1     |    |  |  |  |  |  |  |  |
|     | 9   | 9 21  | 129  | 21 2  | 120   | 2 56  | 8    | 15 8  | 58   |     | 10   | 8 17 | 130   |       |       | 3 32  | 110   | 16 31 | 10    |       | 10   | 9 21  | 129   | 21 2  | 120   | 2 56  | 8     | 15 8  | 58    | 17 42 | 10    |    |  |  |  |  |  |  |  |
|     | 10  | 9 49  | 126  | 21 46 | 111   | 3 25  | 20   | 15 52 | 55   |     |      |      |       |       |       |       |       |       |       |       |      |       |       |       |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |
|     | 11  | 10 18 | 122  | 22 38 | 101   | 3 55  | 35   | 16 43 | 51   |     | 11   | 下弦   | 0 4   | 132   | 7 3   | 124   | 4 43  | 120   | 17 35 |       | 22   | 11    | 10 18 | 122   | 22 38 | 101   | 3 55  | 35    | 16 43 | 51    | 18 48 | 34 |  |  |  |  |  |  |  |
|     | 12  | 10 47 | 118  | 23 47 | 92    | 4 28  | 53   | 17 45 | 46   |     | 12   | 3 3  | 132   |       |       |       |       | 20 13 | 44    |       | 12   | 10 47 | 118   | 23 47 | 92    | 4 28  | 53    | 17 45 | 46    | 21 48 | 34    |    |  |  |  |  |  |  |  |
|     | 13  | 11 12 | 113  |       |       | 5 3   | 73   | 18 53 | 39   |     | 13   | 3 56 | 134   |       |       |       |       | 22 13 | 53    |       | 13   | 11 12 | 113   |       |       | 5 3   | 73    | 18 53 | 39    | 23 57 | 39    |    |  |  |  |  |  |  |  |
|     | 14  | 11 21 | 109  |       |       |       |      | 20 13 | 31   |     | 14   | 4 13 | 133   | 14 43 | 103   | 11 16 | 87    | 21 21 | 53    |       | 14   | 11 21 | 109   |       |       |       |       | 20 13 | 31    | 25 10 | 31    |    |  |  |  |  |  |  |  |
|     | 15  | 5 57  | 108  | 9 57  | 110   | 7 30  | 107  | 21 49 | 19   |     | 15   | 4 12 | 132   | 15 52 | 114   | 10 37 | 74    | 22 9  | 62    | 15    | 5 57 | 108   | 9 57  | 110   | 7 30  | 107   | 21 49 | 19    | 26 19 | 62    |       |    |  |  |  |  |  |  |  |
|     | 16  | 6 27  | 121  |       |       |       |      | 22 52 | 4    |     | 16   | 4 30 | 135   | 16 45 | 125   | 10 52 | 55    | 22 49 | 71    | 16    | 6 27 | 121   |       |       |       |       | 22 52 | 4     | 27 49 | 71    |       |    |  |  |  |  |  |  |  |
|     | 17  | 6 43  | 130  | 15 39 | 106   | 11 25 | 103  | 23 37 | -11  |     | 17   | 4 56 | 138   | 17 33 | 136   | 11 23 | 37    | 23 26 | 79    | 17    | 6 43 | 130   | 15 39 | 106   | 11 25 | 103   | 23 37 | -11   | 24 26 | 79    |       |    |  |  |  |  |  |  |  |
|     | 18  | 6 45  | 136  | 17 6  | 120   | 11 48 | 92   |       |      |     | 18   | 5 26 | 142   | 18 20 | 144   |       |       | 12 0  | 21    | 18    | 6 45 | 136   | 17 6  | 120   | 11 48 | 92    |       |       | 13 0  | 21    |       |    |  |  |  |  |  |  |  |
|     | 19  | 7 1   | 142  | 18 0  | 136   | 0 17  | -23  | 12 20 | 77   |     | 19   | 5 57 | 145   | 19 6  | 149   | 0 2   | 87    | 12 40 | 9     | 20    | 7 1  | 142   | 18 0  | 136   |       |       |       |       |       |       |       |    |  |  |  |  |  |  |  |

## 西宮

NISHINOMIYA

2023 年

| 満 潮 |    |       |       |       |       |       |       |       |       | 干 潮   |     |      |       |       |       |       |       |       |       | 満 潮   |     |       |       |       |       |      |       |       |       | 干 潮 |  |  |  |  |  |  |  |  |  |
|-----|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|------|-------|-------|-------|-----|--|--|--|--|--|--|--|--|--|
| 日   |    | 時 分   | cm    | 時 分   | cm    | 時 分   | cm    | 時 分   | cm    | 日     |     | 時 分  | cm    | 時 分   | cm    | 時 分   | cm    | 時 分   | cm    | 日     |     | 時 分   | cm    | 時 分   | cm    | 時 分  | cm    |       |       |     |  |  |  |  |  |  |  |  |  |
| 7月  | 1  | 望     | 3 50  | 142   | 18 36 | 153   |       | 11 31 | 26    | 23 23 | 117 | 10月  | 1     | 7 42  | 182   | 19 52 | 175   | 1 32  | 39    | 13 46 | 65  | 2     | 8 28  | 172   | 20 20 | 167  | 2 14  | 33    | 14 17 | 86  |  |  |  |  |  |  |  |  |  |
|     | 2  |       | 4 38  | 148   | 19 11 | 163   |       |       |       | 12 13 | 11  | 3    | 9 18  | 156   | 20 41 | 157   | 3 0   | 34    | 14 45 | 107   | 4   | 10 21 | 140   | 20 39 | 148   | 3 52 | 40    | 14 58 | 125   |     |  |  |  |  |  |  |  |  |  |
|     | 3  |       | 5 30  | 155   | 19 49 | 169   |       | 0 11  | 115   | 12 58 | -1  | 5    |       |       | 18 42 | 148   | 4 55  | 48    |       |       | 6   | 下弦    | 7 42  | 182   | 19 52 | 175  | 1 32  | 39    | 13 46 | 65  |  |  |  |  |  |  |  |  |  |
|     | 4  |       | 6 23  | 160   | 20 29 | 171   |       | 0 57  | 113   | 13 44 | -7  | 7    |       |       | 18 10 | 153   | 6 8   | 56    |       |       | 8   |       | 8 28  | 172   | 20 20 | 167  | 2 14  | 33    | 14 17 | 86  |  |  |  |  |  |  |  |  |  |
|     | 5  |       | 7 16  | 163   | 21 11 | 168   |       | 1 42  | 110   | 14 29 | -6  | 8    |       |       | 18 9  | 151   | 8 55  | 63    |       |       | 9   | 3 20  | 107   | 17 36 | 150   | 1 40 | 104   | 9 56  | 62    |     |  |  |  |  |  |  |  |  |  |
|     | 6  |       | 8 8   | 161   | 21 55 | 162   |       | 2 28  | 109   | 15 14 | 3   | 9    |       |       | 18 19 | 152   | 7 30  | 62    |       |       | 10  | 4 11  | 116   | 17 31 | 150   | 1 31 | 105   | 10 40 | 61    |     |  |  |  |  |  |  |  |  |  |
|     | 7  |       | 9 0   | 153   | 22 42 | 154   |       | 3 18  | 108   | 16 0  | 20  | 10   |       |       | 18 10 | 153   | 8 55  | 63    |       |       | 11  |       | 4 49  | 127   | 17 45 | 151  | 11 15 | 61    | 23 43 | 90  |  |  |  |  |  |  |  |  |  |
|     | 8  |       | 9 55  | 141   | 23 31 | 147   |       | 4 15  | 107   | 16 47 | 42  | 12   |       |       | 18 9  | 151   | 9 48  | 64    |       |       | 13  |       | 5 23  | 137   | 18 2  | 153  | 11 43 | 61    |       |     |  |  |  |  |  |  |  |  |  |
|     | 9  | 下弦    | 10 58 | 127   |       |       |       | 5 37  | 103   | 17 34 | 67  | 13   |       |       | 18 19 | 152   | 10 33 | 73    |       |       | 14  |       | 5 55  | 147   | 18 19 | 156  | 0 2   | 77    | 12 8  | 63  |  |  |  |  |  |  |  |  |  |
|     | 10 |       | 0 20  | 141   | 12 25 | 115   | 8 15  | 90    | 18 23 | 91    | 14  |      |       | 18 38 | 160   | 0 25  | 63    | 12 31 | 66    | 15    | 朔   | 7 2   | 162   | 18 59 | 164   | 0 52 | 50    | 12 56 | 70    |     |  |  |  |  |  |  |  |  |  |
|     | 11 |       | 1 5   | 137   | 17 2  | 115   | 9 9   | 76    | 19 20 | 112   | 16  |      |       | 19 23 | 165   | 1 23  | 38    | 13 25 | 77    | 17    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 12 |       | 1 45  | 135   | 18 53 | 129   | 9 53  | 63    | 20 42 | 128   | 17  |      |       | 19 49 | 162   | 1 57  | 31    | 13 56 | 87    | 18    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 13 |       | 2 22  | 134   | 19 39 | 140   | 10 32 | 51    |       |       | 18  |      |       | 20 13 | 156   | 2 35  | 27    | 14 31 | 100   | 19    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 14 |       |       |       | 20 5  | 145   | 11 10 | 42    |       |       | 19  |      |       | 20 28 | 148   | 3 18  | 29    | 15 8  | 115   | 20    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 15 |       |       |       | 19 24 | 148   | 11 48 | 33    | 23 45 | 133   | 20  |      |       | 19 31 | 142   | 4 11  | 34    | 15 54 | 129   | 21    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 16 |       | 1 54  | 138   | 4 52  | 138   | 3 23  | 136   | 12 26 | 27    | 21  |      |       | 15 34 | 142   | 5 15  | 40    |       |       | 22    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 17 |       | 19 17 | 153   |       |       |       |       |       |       | 22  |      |       | 16 26 | 150   | 6 31  | 46    |       |       | 23    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 18 | 朔     | 5 44  | 142   | 19 42 | 157   | 0 20  | 126   | 13 3  | 22    | 23  |      |       | 16 54 | 153   | 8 8   | 49    |       |       | 24    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 19 |       | 6 29  | 146   | 20 12 | 158   | 0 53  | 119   | 13 39 | 21    | 24  |      |       | 17 34 | 156   | 9 38  | 65    |       |       | 25    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 20 |       | 7 9   | 148   | 20 44 | 157   | 1 27  | 113   | 14 14 | 24    | 25  |      |       | 18 43 | 167   | 10 43 | 91    |       |       | 26    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 21 |       | 7 46  | 148   | 21 17 | 154   | 2 1   | 109   | 15 23 | 29    | 26  |      |       | 19 12 | 164   | 11 34 | 98    |       |       | 27    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 22 |       | 8 24  | 145   | 21 50 | 151   | 2 38  | 107   | 15 18 | 39    | 27  |      |       | 19 31 | 142   | 12 26 | 106   |       |       | 28    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 23 |       | 9 3   | 139   | 22 23 | 148   | 3 18  | 106   | 15 49 | 50    | 28  |      |       | 19 49 | 162   | 1 57  | 31    |       |       | 29    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 24 |       | 9 48  | 131   | 22 55 | 145   | 4 7   | 105   | 16 20 | 64    | 29  |      |       | 20 8  | 158   | 2 35  | 27    |       |       | 30    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 25 |       | 10 41 | 123   | 23 26 | 142   | 5 12  | 102   | 16 54 | 79    | 30  |      |       | 20 28 | 148   | 3 18  | 29    |       |       | 31    |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 26 |       | 11 51 | 116   | 23 57 | 140   | 6 55  | 94    | 17 33 | 94    | 31  |      |       | 20 39 | 148   | 3 52  | 40    |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 27 | 上弦    |       |       | 14 42 | 115   | 8 7   | 83    | 18 24 | 110   |     |      |       | 20 41 | 157   | 4 0   | 34    |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 28 |       | 0 27  | 139   | 17 18 | 128   | 8 54  | 71    | 19 32 | 123   | 1   |      |       | 20 53 | 145   | 4 42  | 52    |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 29 |       | 0 59  | 139   | 18 2  | 141   | 9 45  | 58    | 21 2  | 132   | 2   |      |       | 21 5  | 147   | 5 15  | 50    |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 30 |       | 1 38  | 140   | 18 28 | 153   | 10 37 | 44    | 22 35 | 134   | 3   |      |       | 21 16 | 149   | 5 46  | 52    |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
|     | 31 |       | 2 44  | 142   | 18 44 | 162   | 11 24 | 28    | 23 28 | 129   | 4   |      |       | 21 37 | 150   | 6 17  | 54    |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 8月  | 1  | 望     | 5 32  | 160   | 19 32 | 176   |       | 0 9   | 121   | 12 49 | 2   | 11月  | 1     | 9 16  | 150   | 19 50 | 147   | 2 42  | 13    | 14 17 | 115 | 2     | 10 20 | 139   | 20 16 | 140  | 3 23  | 32    | 14 36 | 125 |  |  |  |  |  |  |  |  |  |
| 2   |    | 6 28  | 171   | 20 5  | 178   | 0 49  | 111   | 13 30 | -2    | 3     |     |      | 18 47 | 141   | 3 30  | 21    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 3   |    | 7 18  | 178   | 20 40 | 176   | 1 30  | 101   | 14 10 | 2     | 4     |     |      | 18 15 | 140   | 4 23  | 32    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 4   |    | 8 6   | 177   | 21 16 | 171   | 2 12  | 94    | 14 49 | 16    | 5     |     |      | 17 33 | 139   | 5 19  | 44    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 5   |    | 8 53  | 169   | 21 54 | 164   | 2 57  | 89    | 15 29 | 37    | 6     |     |      | 16 51 | 140   | 6 23  | 54    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 6   |    | 9 44  | 153   | 22 30 | 156   | 3 49  | 86    | 16 6  | 64    | 7     |     |      | 16 39 | 139   | 7 48  | 61    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 7   |    | 10 42 | 135   | 23 4  | 148   | 4 55  | 84    | 16 40 | 91    | 8     |     |      | 16 48 | 139   | 8 57  | 52    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 8   | 下弦 | 12 10 | 120   | 23 29 | 141   | 6 44  | 79    | 16 54 | 115   | 9     |     |      | 16 59 | 139   | 10 33 | 73    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 9   |    |       |       | 20 55 | 140   | 8 12  | 70    |       |       | 10    |     |      | 17 11 | 140   | 11 1  | 77    | 23 31 | 69    |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 10  |    |       |       | 19 58 | 149   | 9 18  | 63    |       |       | 11    |     |      | 17 27 | 144   | 11 26 | 80    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 11  |    |       |       | 19 54 | 154   | 10 13 | 56    |       |       | 12    |     |      | 17 48 | 149   | 12 31 | 83    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 12  |    |       |       | 20 4  | 154   | 10 57 | 49    |       |       | 13    |     |      | 18 13 | 154   | 1 2   | 11    | 12 58 | 88    |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 13  |    |       |       | 18 53 | 153   | 11 35 | 43    | 23 52 | 133   | 14    | 朔   | 5 42 | 133   | 12 24 | 124   | 2 31  | -2    | 14 8  | 110   |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 14  |    | 1 27  | 135   | 5 4   | 136   | 3 18  | 132   | 12 11 | 38    | 15    |     |      |       | 17 31 | 157   | 1 2   | 11    | 13 35 | 95    |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 15  |    | 18 54 | 157   |       |       |       |       |       |       | 16    |     |      |       | 18 15 | 158   | 19 10 | 154   |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 16  | 朔  | 6 27  | 152   | 19 42 | 162   | 0 40  | 112   | 13 16 | 33    | 17    |     |      | 19 38 | 149   | 2 20  | 1     | 14 15 | 104   |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 17  |    | 7 2   | 158   | 20 8  | 163   | 1 9   | 104   | 13 45 | 35    | 18    |     |      | 19 52 | 140   | 3 7   | 4     | 15 1  | 114   |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 18  |    | 7 36  | 160   | 20 34 | 162   | 1 40  | 97    | 14 13 | 40    | 19    |     |      | 20 6  | 140   | 3 52  | 46    | 15 29 | 117   |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 19  |    | 8 11  | 159   | 21 0  | 161   | 2 14  | 91    | 14 39 | 49    | 20    |     |      | 20 13 | 156   | 4 1   | 12    | 16 3  | 124   |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 20  |    | 8 49  | 154   | 21 26 | 158   | 2 50  | 88    | 15 6  | 61    | 21    |     |      | 20 28 | 148   | 4 42  | 52    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 21  |    | 9 31  | 146   | 21 53 | 155   | 3 32  | 85    | 15 36 | 76    | 22    |     |      | 20 39 | 148   | 5 15  | 50    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 22  |    | 10 21 | 137   | 22 21 | 151   | 4 21  | 82    | 16 8  | 92    | 23    |     |      | 20 53 | 145   | 4 42  | 52    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 23  |    | 11 27 | 128   | 22 46 | 146   | 5 20  | 78    | 16 46 | 110   | 24    |     |      | 21 5  | 147   | 5 15  | 50    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 24  | 上弦 | 16 9  | 128   | 23 0  | 142   | 6 27  | 72    | 17 38 | 127   | 25    |     |      | 21 16 | 149   | 5 46  | 52    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 25  |    | 17 17 | 142   | 21 17 | 142   | 7 38  | 66    | 19 9  | 140   | 26    |     |      | 21 37 | 150   | 6 17  | 54    |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 26  |    |       |       | 17 53 | 154   | 9 11  | 57    |       |       | 27    |     |      | 21 54 | 138   | 7 24  | 46    | 23 2  | 91    |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 27  |    |       |       | 18 15 | 162   | 10 23 | 45    | 23 17 | 136   | 28    |     |      | 22 8  | 138   | 8 41  | 56    | 22 47 | 77    |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 28  |    |       |       | 18 23 | 168   | 11 11 | 31    | 23 28 | 126   | 29    |     |      | 22 19 | 128   | 9 38  | 65    | 22 41 | 58    |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 29  |    | 1 25  | 137   | 18 37 | 174   | 11 51 | 19    | 23 58 | 11    | 30    |     |      | 23 2  | 128   | 10 43 | 91    | 23 46 | 20    |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 30  |    | 4 38  | 149   | 18 51 | 180   |       |       | 24 12 | 12    |       |     |      | 23 13 | 134   | 11 22 | 83    | 23 44 | 19    |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 31  | 望  | 5 36  | 166   | 19 2  | 178   |       |       | 12 29 | 11    |       |     |      | 23 4  | 144   | 12 24 | 124   | 13 32 | 106   |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |
| 9月  | 1  |       | 6     |       |       |       |       |       |       |       |     |      |       |       |       |       |       |       |       |       |     |       |       |       |       |      |       |       |       |     |  |  |  |  |  |  |  |  |  |