

塩釜  
SHIOGAMA

2020 年

| 満潮 |    |       |      |       | 干潮    |       |      |       |       | 満潮  |      |      |       |       | 干潮    |       |       |       |       |       |    |
|----|----|-------|------|-------|-------|-------|------|-------|-------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| 日  | 時分 | cm    | 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    |       |    |
| 1月 | 1  | 8 8   | 125  | 18 41 | 122   | 1 2   | 24   | 13 33 | 82    | 4月  | 1    | 上弦   | 6 59  | 118   |       |       | 1 11  | 83    | 15 7  | 24    |    |
|    | 2  | 8 45  | 123  | 19 34 | 109   | 1 36  | 35   | 14 33 | 79    | 2   |      | 7 39 | 112   |       |       |       |       | 16 44 | 26    |       |    |
|    | 3  | 9 21  | 122  | 20 49 | 98    | 2 10  | 47   | 15 49 | 74    | 3   |      | 1 48 | 102   | 9 7   | 105   | 5 2   | 99    | 18 17 | 21    |       |    |
|    | 4  | 10 1  | 122  | 22 44 | 92    | 2 51  | 60   | 17 15 | 64    | 4   |      | 2 16 | 110   | 11 55 | 107   | 7 10  | 90    | 19 24 | 15    |       |    |
|    | 5  | 10 45 | 123  |       |       | 3 48  | 73   | 18 23 | 50    | 5   |      | 2 41 | 117   | 13 25 | 118   | 8 2   | 75    | 20 16 | 11    |       |    |
|    | 6  | 0 50  | 96   | 11 31 | 126   | 5 9   | 84   | 19 14 | 36    | 6   |      | 3 4  | 123   | 14 27 | 130   | 8 42  | 58    | 21 0  | 12    |       |    |
|    | 7  | 2 13  | 107  | 12 18 | 130   | 6 31  | 91   | 19 58 | 21    | 7   |      | 3 27 | 128   | 15 21 | 138   | 9 21  | 39    | 21 40 | 18    |       |    |
|    | 8  | 3 9   | 117  | 13 4  | 135   | 7 36  | 95   | 20 39 | 7     | 8   | 望    | 3 49 | 133   | 16 11 | 141   | 9 59  | 22    | 22 16 | 29    |       |    |
|    | 9  | 3 54  | 126  | 13 48 | 142   | 8 28  | 97   | 21 19 | -4    | 9   |      | 4 12 | 138   | 17 1  | 139   | 10 37 | 7     | 22 49 | 42    |       |    |
|    | 10 | 4 35  | 133  | 14 31 | 148   | 9 14  | 96   | 22 0  | -13   | 10  |      | 4 35 | 142   | 17 50 | 133   | 11 16 | -3    | 23 20 | 55    |       |    |
|    | 11 | 望     | 5 14 | 136   | 15 14 | 153   | 9 56 | 95    | 22 40 | -17 | 11   |      | 5 0   | 145   | 18 40 | 123   | 11 56 | -6    | 23 50 | 68    |    |
|    | 12 | 5 51  | 136  | 15 58 | 155   | 10 36 | 91   | 23 21 | -16   | 12  |      | 5 26 | 145   | 19 34 | 112   |       |       | 12 38 | -3    |       |    |
|    | 13 | 6 26  | 134  | 16 43 | 152   | 11 18 | 86   |       |       | 13  |      | 5 55 | 141   | 20 39 | 102   | 0 19  | 78    | 13 23 | 5     |       |    |
|    | 14 | 6 59  | 132  | 17 29 | 146   | 0 0   | -9   | 12 1  | 80    | 14  |      | 6 27 | 133   | 22 24 | 97    | 0 50  | 85    | 14 16 | 16    |       |    |
|    | 15 | 7 30  | 129  | 18 20 | 134   | 0 38  | 2    | 12 49 | 74    | 15  | 下弦   | 7 7  | 123   |       |       | 1 34  | 91    | 15 28 | 27    |       |    |
|    | 16 | 8 0   | 128  | 19 18 | 120   | 1 16  | 17   | 13 44 | 67    | 16  |      | 0 23 | 99    | 8 4   | 110   | 3 15  | 95    | 17 1  | 34    |       |    |
|    | 17 | 8 31  | 128  | 20 32 | 104   | 1 53  | 36   | 14 50 | 60    | 17  |      | 1 16 | 104   | 10 7  | 100   | 5 50  | 89    | 18 23 | 36    |       |    |
|    | 18 | 9 4   | 129  | 22 26 | 93    | 2 31  | 54   | 16 13 | 51    | 18  |      | 1 49 | 110   | 12 29 | 102   | 7 13  | 76    | 19 23 | 36    |       |    |
|    | 19 | 9 44  | 131  |       |       | 3 16  | 73   | 17 43 | 40    | 19  |      | 2 16 | 116   | 13 39 | 110   | 8 1   | 62    | 20 7  | 35    |       |    |
|    | 20 | 1 0   | 95   | 10 35 | 132   | 4 23  | 88   | 18 56 | 27    | 20  |      | 2 41 | 121   | 14 29 | 117   | 8 39  | 49    | 20 44 | 37    |       |    |
|    | 21 | 2 38  | 106  | 11 38 | 134   | 5 57  | 97   | 19 53 | 15    | 21  |      | 3 3  | 126   | 15 11 | 124   | 9 12  | 36    | 21 16 | 40    |       |    |
|    | 22 | 3 30  | 116  | 12 44 | 137   | 7 20  | 100  | 20 41 | 6     | 22  | 朔    | 3 24 | 129   | 15 50 | 128   | 9 42  | 25    | 21 46 | 45    |       |    |
|    | 23 | 4 8   | 123  | 13 42 | 142   | 8 22  | 97   | 21 23 | 0     | 23  |      | 3 43 | 132   | 16 28 | 130   | 10 12 | 16    | 22 13 | 51    |       |    |
|    | 24 | 4 40  | 128  | 14 33 | 146   | 9 12  | 92   | 22 2  | -3    | 24  |      | 4 2  | 133   | 17 6  | 129   | 10 41 | 9     | 22 40 | 57    |       |    |
|    | 25 | 朔     | 5 9  | 130   | 15 18 | 148   | 9 55 | 86    | 22 37 | -3  | 25   |      | 4 22  | 135   | 17 44 | 127   | 11 10 | 4     | 23 7  | 64    |    |
|    | 26 | 5 37  | 131  | 15 58 | 148   | 10 34 | 80   | 23 10 | -1    | 26  |      | 4 42 | 135   | 18 24 | 122   | 11 41 | 2     | 23 34 | 71    |       |    |
|    | 27 | 6 4   | 130  | 16 37 | 146   | 11 10 | 74   | 23 40 | 5     | 27  |      | 5 5  | 134   | 19 9  | 116   |       |       | 12 14 | 3     |       |    |
|    | 28 | 6 29  | 129  | 17 15 | 140   | 11 46 | 69   |       |       | 28  |      | 5 30 | 131   | 20 2  | 109   | 0 2   | 79    | 12 53 | 7     |       |    |
|    | 29 | 6 52  | 127  | 17 53 | 131   | 0 7   | 12   | 12 23 | 64    | 29  |      | 5 58 | 127   | 21 16 | 104   | 0 34  | 86    | 13 40 | 13    |       |    |
|    | 30 | 7 15  | 126  | 18 33 | 121   | 0 33  | 21   | 13 2  | 61    | 30  |      | 6 33 | 120   | 23 7  | 103   | 1 16  | 92    | 14 44 | 20    |       |    |
|    | 31 | 7 38  | 124  | 19 19 | 109   | 0 58  | 32   | 13 45 | 58    |     |      |      |       |       |       |       |       |       |       |       |    |
| 2月 | 1  | 上弦    | 8 3  | 123   | 20 18 | 98    | 1 24 | 45    | 14 37 | 55  | 5月   | 1    | 上弦    | 7 25  | 112   |       |       | 2 35  | 97    | 16 7  | 26 |
|    | 2  | 8 30  | 121  | 21 44 | 89    | 1 51  | 58   | 15 45 | 51    | 2   |      |      | 0 27  | 108   | 9 19  | 103   | 5 10  | 94    | 17 33 | 29    |    |
|    | 3  | 9 5   | 120  |       |       | 2 23  | 72   | 17 10 | 43    | 3   |      |      | 1 8   | 114   | 11 55 | 105   | 6 45  | 80    | 18 43 | 31    |    |
|    | 4  | 0 22  | 89   | 9 52  | 119   | 3 14  | 86   | 18 26 | 32    | 4   |      |      | 1 37  | 120   | 13 23 | 115   | 7 37  | 61    | 19 38 | 35    |    |
|    | 5  | 2 28  | 100  | 11 2  | 120   | 5 25  | 97   | 19 27 | 19    | 5   |      |      | 2 4   | 126   | 14 26 | 126   | 8 19  | 41    | 20 25 | 41    |    |
|    | 6  | 3 16  | 112  | 12 22 | 125   | 7 12  | 99   | 20 18 | 5     | 6   | 望    | 2 29 | 133   | 15 23 | 134   | 9 0   | 21    | 21 6  | 50    |       |    |
|    | 7  | 3 52  | 121  | 13 29 | 133   | 8 17  | 97   | 21 5  | -7    | 7   |      | 2 55 | 140   | 16 15 | 137   | 9 39  | 4     | 21 45 | 81    |       |    |
|    | 8  | 4 25  | 127  | 14 25 | 142   | 9 6   | 91   | 21 48 | -15   | 8   |      | 3 22 | 146   | 17 6  | 137   | 10 19 | -7    | 22 20 | 71    |       |    |
|    | 9  | 望     | 4 56 | 131   | 15 15 | 149   | 9 49 | 83    | 22 29 | -17 | 9    |      | 3 50  | 151   | 17 56 | 133   | 10 59 | -13   | 22 55 | 80    |    |
|    | 10 | 5 25  | 132  | 16 3  | 152   | 10 29 | 73   | 23 7  | -14   | 10  |      | 4 20 | 152   | 18 45 | 126   | 11 39 | -12   | 23 29 | 86    |       |    |
|    | 11 | 5 52  | 132  | 16 51 | 150   | 11 10 | 63   | 23 43 | -4    | 11  |      | 4 53 | 150   | 19 36 | 119   |       |       | 12 20 | -5    |       |    |
|    | 12 | 6 17  | 132  | 17 39 | 142   | 11 51 | 52   |       |       | 12  |      | 5 28 | 144   | 20 32 | 112   | 0 6   | 90    | 13 3  | 6     |       |    |
|    | 13 | 6 41  | 132  | 18 29 | 130   | 0 16  | 10   | 12 34 | 43    | 13  | 下弦   | 6 7  | 134   | 21 39 | 108   | 0 50  | 92    | 13 51 | 18    |       |    |
|    | 14 | 7 4   | 133  | 19 24 | 115   | 0 48  | 27   | 13 22 | 37    | 14  |      | 6 53 | 122   | 22 52 | 108   | 1 50  | 93    | 14 48 | 30    |       |    |
|    | 15 | 7 30  | 133  | 20 31 | 99    | 1 17  | 46   | 14 17 | 34    | 15  |      | 7 57 | 109   | 23 51 | 111   | 3 22  | 92    | 15 58 | 41    |       |    |
|    | 16 | 7 58  | 133  | 22 20 | 88    | 1 44  | 63   | 15 26 | 33    | 16  |      | 9 48 | 99    |       |       | 5 16  | 84    | 17 13 | 48    |       |    |
|    | 17 | 8 33  | 130  |       |       | 2 9   | 79   | 16 58 | 31    | 17  |      | 0 35 | 115   | 11 58 | 99    | 6 37  | 71    | 18 19 | 53    |       |    |
|    | 18 | 9 24  | 126  |       |       |       |      | 18 29 | 26    | 18  |      | 1 9  | 121   | 13 18 | 106   | 7 28  | 57    | 19 12 | 57    |       |    |
|    | 19 | 3 2   | 103  | 10 48 | 122   | 5 28  | 100  | 19 38 | 18    | 19  |      | 1 38 | 126   | 14 14 | 113   | 8 8   | 43    | 19 56 | 60    |       |    |
|    | 20 | 3 26  | 111  | 12 32 | 123   | 7 20  | 97   | 20 29 | 11    | 20  |      | 2 3  | 130   | 15 1  | 121   | 8 42  | 30    | 20 34 | 65    |       |    |
|    | 21 | 3 50  | 118  | 13 45 | 129   | 8 24  | 88   | 21 12 | 7     | 21  |      | 2 27 | 134   | 15 43 | 127   | 9 15  | 19    | 21 9  | 70    |       |    |
|    | 22 | 4 15  | 123  | 14 37 | 135   | 9 10  | 78   | 21 48 | 4     | 22  | 朔    | 2 50 | 138   | 16 24 | 131   | 9 46  | 10    | 21 42 | 75    |       |    |
|    | 23 | 4 39  | 126  | 15 20 | 139   | 9 48  | 69   | 22 20 | 4     | 23  |      | 3 14 | 140   | 17 4  | 132   | 10 17 | 3     | 22 14 | 80    |       |    |
|    | 24 | 5 2   | 127  | 15 59 | 141   | 10 33 | 60   | 22 49 | 7     | 24  |      | 3 40 | 142   | 17 45 | 132   | 10 50 | -1    | 22 46 | 84    |       |    |
|    | 25 | 5 24  | 128  | 16 36 | 139   | 10 56 | 53   | 23 15 | 12    | 25  |      | 4 8  | 143   | 18 28 | 129   | 11 25 | -2    | 23 19 | 88    |       |    |
|    | 26 | 5 44  | 128  | 17 12 | 135   | 11 28 | 46   | 23 40 | 19    | 26  |      | 4 38 | 142   | 19 14 | 124   | 12 2  | 0     | 23 54 | 92    |       |    |
|    | 27 | 6 3   | 128  | 17 49 | 128   | 11 59 | 40   |       |       | 27  |      | 5 11 | 139   | 20 5  | 120   |       |       | 12 44 | 5     |       |    |
|    | 28 | 6 21  | 127  | 18 27 | 120   | 0 3   | 28   | 12 31 | 37    | 28  |      | 5 49 | 134   | 21 4  | 116   | 0 36  | 95    | 13 31 | 13    |       |    |
|    | 29 | 6 39  | 126  | 19 10 | 110   | 0 25  | 39   | 13 6  | 34    | 29  | 上弦   | 6 36 | 125   | 22 6  | 116   | 1 31  | 96    | 14 27 | 23    |       |    |
|    |    |       |      |       |       |       |      |       | 30    |     | 7 45 | 115  | 23 3  | 117   | 2 53  | 94    | 15 32 | 34    |       |       |    |
|    |    |       |      |       |       |       |      |       |       |     | 9 39 | 106  | 23 47 | 122   | 4 40  | 86    | 16 43 | 44    |       |       |    |
| 3月 | 1  | 上弦    | 6 59 | 124   | 20 1  | 100   | 0 48 | 50    | 13 46 | 33  | 6月   | 1    |       | 11 50 | 107   |       |       | 6 7   | 70    | 17 52 | 54 |
|    | 2  | 7 22  | 122  | 21 15 | 90    | 1 11  | 62   | 14 38 | 34    | 2   |      |      | 0 25  | 128   | 13 20 | 116   | 7 6   | 50    | 18 52 | 64    |    |
|    | 3  | 7 50  | 119  |       |       | 1 34  | 75   | 15 55 | 34    | 3   |      |      | 0 58  | 135   | 14 29 | 125   | 7 55  | 31    | 19 45 | 73    |    |
|    | 4  | 8 31  | 115  |       |       |       |      | 17 33 | 29    | 4   |      |      | 1 32  | 143   | 15 29 | 133   | 8 39  | 14    | 20 32 | 82    |    |
|    | 5  | 9 48  | 112  |       |       |       |      | 18 54 | 19    | 5   |      |      | 2 5   | 150   | 16 22 | 137   | 9 22  | 1     | 21 16 | 89    |    |
|    | 6  | 3 3   | 110  | 11 57 | 114   | 7 11  | 97   | 19 55 | 7     | 6   | 望    | 2 40 | 155   | 17 12 | 138   | 10 3  | -7    | 21 57 | 94    |       |    |
|    | 7  | 3 28  | 118  | 13 25 | 124   | 8 14  | 89   | 20 45 | -2    | 7   |      | 3 17 | 158   | 17 58 | 136   | 10 44 | -8    | 22 36 | 96    |       |    |
|    | 8  |       |      |       |       |       |      |       |       |     |      |      |       |       |       |       |       |       |       |       |    |

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|----|----|-------|------|---------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 日  | 時分 | cm    | 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  |
| 7月 | 1  | 13 28 | 117  | 23 54   | 144   | 6 37  | 45    | 18 3  | 92    | 10月 | 1     | 3 5   | 153   | 15 49 | 152   | 9 30  | 48    | 21 47 | 58  |
|    | 2  | 14 43 | 127  | 14 43   | 127   | 7 33  | 29    | 19 8  | 101   | 2   | 望     | 3 43  | 156   | 16 9  | 154   | 9 59  | 52    | 22 18 | 49  |
|    | 3  | 0 41  | 150  | 15 41   | 135   | 8 23  | 17    | 20 6  | 105   | 3   | 4 20  | 156   | 16 27 | 155   | 10 25 | 59    | 22 47 | 42    |     |
|    | 4  | 1 29  | 156  | 16 28   | 140   | 9 9   | 8     | 20 57 | 106   | 4   | 4 57  | 154   | 16 45 | 155   | 10 50 | 66    | 23 17 | 37    |     |
|    | 5  | 望     | 2 16 | 161     | 17 9  | 143   | 9 52  | 4     | 21 43 | 105 | 5     | 5 34  | 149   | 17 3  | 154   | 11 14 | 74    | 23 46 | 35  |
|    | 6  | 3 2   | 163  | 17 46   | 142   | 10 33 | 4     | 22 26 | 102   | 6   | 6 12  | 143   | 17 21 | 152   | 11 38 | 83    | 24 2  | 14    |     |
|    | 7  | 3 46  | 163  | 18 20   | 141   | 11 12 | 7     | 23 8  | 97    | 7   | 6 54  | 136   | 17 41 | 149   | 0 17  | 35    | 12 2  | 92    |     |
|    | 8  | 4 29  | 161  | 18 51   | 139   | 11 48 | 14    | 23 50 | 93    | 8   | 7 44  | 127   | 18 4  | 145   | 0 52  | 38    | 12 26 | 100   |     |
|    | 9  | 5 12  | 155  | 19 21   | 137   |       |       | 12 23 | 23    | 9   | 8 55  | 120   | 18 29 | 139   | 1 36  | 42    | 12 54 | 109   |     |
|    | 10 | 5 55  | 146  | 19 51   | 135   | 0 33  | 89    | 12 55 | 33    | 10  | 下弦    | 11 31 | 119   | 19 4  | 132   | 2 38  | 48    | 13 40 | 117 |
|    | 11 | 6 41  | 135  | 20 21   | 135   | 1 20  | 85    | 13 27 | 45    | 11  | 13 16 | 126   | 20 24 | 124   | 4 10  | 51    | 17 9  | 121   |     |
|    | 12 | 7 34  | 123  | 20 53   | 134   | 2 14  | 82    | 14 0  | 58    | 12  | 13 46 | 133   | 23 29 | 123   | 5 45  | 48    | 19 2  | 110   |     |
|    | 13 | 8 41  | 112  | 21 28   | 134   | 3 18  | 78    | 14 36 | 71    | 13  | 14 11 | 139   | 14 11 | 139   | 6 55  | 43    | 19 45 | 96    |     |
|    | 14 | 10 16 | 106  | 22 8    | 134   | 4 34  | 71    | 15 23 | 84    | 14  | 1 4   | 134   | 14 34 | 145   | 7 48  | 39    | 20 22 | 78    |     |
|    | 15 | 12 18 | 107  | 22 54   | 136   | 5 47  | 61    | 16 33 | 96    | 15  | 2 6   | 147   | 14 57 | 150   | 8 32  | 39    | 20 58 | 59    |     |
|    | 16 | 13 53 | 116  | 23 45   | 138   | 6 46  | 50    | 17 59 | 104   | 16  | 2 59  | 156   | 15 20 | 156   | 9 12  | 45    | 21 35 | 41    |     |
|    | 17 | 14 53 | 126  | 14 53   | 126   | 7 35  | 38    | 19 12 | 108   | 17  | 3 50  | 162   | 15 43 | 161   | 9 49  | 54    | 22 13 | 25    |     |
|    | 18 | 0 38  | 143  | 15 39   | 135   | 8 19  | 26    | 20 10 | 110   | 18  | 4 40  | 161   | 16 6  | 165   | 10 24 | 67    | 22 52 | 14    |     |
|    | 19 | 1 27  | 148  | 16 19   | 142   | 9 1   | 16    | 20 57 | 109   | 19  | 5 30  | 156   | 16 31 | 167   | 10 57 | 80    | 23 31 | 10    |     |
|    | 20 | 2 14  | 155  | 16 56   | 145   | 9 42  | 9     | 21 40 | 107   | 20  | 6 22  | 148   | 16 58 | 167   | 11 28 | 92    |       |       |     |
|    | 21 | 朔     | 2 59 | 160     | 17 31 | 147   | 10 23 | 4     | 22 21 | 103 | 21    | 7 17  | 137   | 17 28 | 163   | 0 13  | 12    | 11 59 | 102 |
|    | 22 | 3 43  | 164  | 18 5    | 147   | 11 2  | 4     | 23 2  | 97    | 22  | 8 23  | 127   | 18 1  | 156   | 0 58  | 20    | 12 33 | 109   |     |
|    | 23 | 4 28  | 164  | 18 36   | 146   | 11 41 | 9     | 23 44 | 91    | 23  | 10 1  | 121   | 18 41 | 144   | 1 51  | 32    | 13 21 | 114   |     |
|    | 24 | 5 15  | 159  | 19 8    | 144   |       |       | 12 19 | 18    | 24  | 11 51 | 122   | 19 38 | 130   | 2 58  | 44    | 15 2  | 116   |     |
|    | 25 | 6 5   | 151  | 19 34   | 144   | 0 29  | 84    | 12 56 | 32    | 25  | 12 46 | 126   | 21 41 | 118   | 4 29  | 53    | 17 34 | 109   |     |
|    | 26 | 7 2   | 139  | 20 2    | 144   | 1 18  | 77    | 13 32 | 49    | 26  |       |       | 13 20 | 132   | 5 54  | 57    | 18 56 | 93    |     |
|    | 27 | 8 9   | 126  | 20 33   | 145   | 2 16  | 70    | 14 10 | 67    | 27  | 0 13  | 120   | 13 48 | 137   | 6 57  | 58    | 19 43 | 78    |     |
|    | 28 | 9 41  | 115  | 21 9    | 147   | 3 26  | 63    | 14 51 | 86    | 28  | 1 27  | 127   | 14 13 | 143   | 7 43  | 59    | 20 21 | 63    |     |
|    | 29 | 12 0  | 112  | 21 54   | 148   | 4 50  | 55    | 15 48 | 102   | 29  | 2 18  | 135   | 14 36 | 147   | 8 22  | 61    | 20 54 | 49    |     |
|    | 30 | 13 59 | 121  | 22 55   | 149   | 6 11  | 45    | 17 16 | 113   | 30  | 3 0   | 142   | 14 58 | 150   | 8 55  | 64    | 21 25 | 38    |     |
|    | 31 |       |      | 15 3    | 131   | 7 17  | 35    | 18 47 | 117   | 31  | 望     | 3 40  | 146   | 15 18 | 152   | 9 26  | 69    | 21 55 | 29  |
| 8月 | 1  | 0 7   | 151  | 15 45   | 139   | 8 12  | 26    | 19 57 | 115   | 11月 | 1     | 4 17  | 148   | 15 38 | 154   | 9 55  | 75    | 22 24 | 22  |
|    | 2  | 1 15  | 156  | 16 19   | 144   | 9 0   | 20    | 20 51 | 110   | 2   | 4 54  | 148   | 15 57 | 154   | 10 22 | 81    | 22 53 | 18    |     |
|    | 3  | 2 12  | 161  | 16 49   | 147   | 9 42  | 17    | 21 37 | 103   | 3   | 5 32  | 145   | 16 18 | 153   | 10 49 | 87    | 23 22 | 17    |     |
|    | 4  | 望     | 3 2  | 164     | 17 18 | 148   | 10 20 | 18    | 22 18 | 96  | 4     | 6 11  | 141   | 16 41 | 151   | 11 16 | 93    | 23 54 | 18  |
|    | 5  | 3 46  | 166  | 17 44   | 148   | 10 54 | 21    | 22 56 | 89    | 5   | 6 53  | 135   | 17 5  | 148   | 11 44 | 99    |       |       |     |
|    | 6  | 4 27  | 164  | 18 9    | 148   | 11 25 | 27    | 23 33 | 82    | 6   | 7 43  | 128   | 17 32 | 143   | 0 30  | 22    | 12 15 | 104   |     |
|    | 7  | 5 7   | 159  | 18 32   | 147   | 11 54 | 35    |       |       | 7   | 8 50  | 123   | 18 3  | 135   | 1 13  | 29    | 12 57 | 110   |     |
|    | 8  | 5 47  | 151  | 18 54   | 146   | 0 11  | 77    | 12 21 | 45    | 8   | 下弦    | 10 27 | 121   | 18 47 | 126   | 2 0   | 36    | 14 13 | 113 |
|    | 9  | 6 29  | 141  | 19 16   | 145   | 0 49  | 73    | 12 46 | 56    | 9   | 11 51 | 124   | 20 26 | 115   | 3 25  | 44    | 16 51 | 110   |     |
|    | 10 | 7 16  | 130  | 19 40   | 144   | 1 31  | 70    | 13 11 | 69    | 10  | 12 36 | 129   | 23 23 | 114   | 4 53  | 48    | 18 30 | 95    |     |
|    | 11 | 8 13  | 120  | 20 6    | 142   | 2 19  | 68    | 13 37 | 82    | 11  |       |       | 13 7  | 135   | 6 8   | 51    | 19 18 | 76    |     |
|    | 12 | 9 33  | 112  | 20 38   | 140   | 3 20  | 66    | 14 8  | 95    | 12  | 1 0   | 124   | 13 34 | 141   | 7 7   | 54    | 19 59 | 55    |     |
|    | 13 | 11 55 | 111  | 21 22   | 138   | 4 38  | 62    | 14 57 | 107   | 13  | 2 6   | 136   | 14 0  | 148   | 7 56  | 60    | 20 37 | 34    |     |
|    | 14 | 14 6  | 121  | 22 29   | 137   | 5 57  | 54    | 17 2  | 117   | 14  | 3 3   | 145   | 14 27 | 155   | 8 40  | 68    | 21 16 | 15    |     |
|    | 15 | 14 55 | 131  | 23 55   | 141   | 7 1   | 44    | 18 54 | 119   | 15  | 朔     | 3 56  | 151   | 14 54 | 162   | 9 20  | 78    | 21 56 | 2   |
|    | 16 |       |      | 15 30   | 140   | 7 55  | 32    | 20 1  | 116   | 16  | 4 47  | 152   | 15 24 | 166   | 9 57  | 88    | 22 36 | -5    |     |
|    | 17 | 1 8   | 148  | 16 1    | 146   | 8 42  | 22    | 20 49 | 110   | 17  | 5 37  | 149   | 15 55 | 168   | 10 33 | 96    | 23 16 | -5    |     |
|    | 18 | 2 6   | 157  | 16 31   | 150   | 9 25  | 15    | 21 31 | 103   | 18  | 6 27  | 143   | 16 28 | 166   | 11 9  | 101   | 23 58 | 1     |     |
|    | 19 | 朔     | 2 57 | 165     | 16 59 | 152   | 10 5  | 11    | 22 10 | 93  | 19    | 7 18  | 135   | 17 5  | 160   | 11 47 | 105   |       |     |
|    | 20 | 3 45  | 169  | 17 25   | 153   | 10 44 | 14    | 22 49 | 82    | 20  | 8 12  | 128   | 17 44 | 150   | 0 41  | 11    | 12 31 | 106   |     |
|    | 21 | 4 32  | 169  | 17 50   | 154   | 11 20 | 22    | 23 29 | 71    | 21  | 9 13  | 123   | 18 30 | 136   | 1 28  | 25    | 13 30 | 106   |     |
|    | 22 | 5 21  | 164  | 18 14   | 155   | 11 54 | 32    |       |       | 22  | 10 20 | 122   | 19 32 | 121   | 2 20  | 38    | 14 58 | 103   |     |
|    | 23 | 6 11  | 156  | 18 38   | 156   | 0 12  | 62    | 12 26 | 51    | 23  | 11 19 | 123   | 21 18 | 108   | 3 24  | 51    | 16 53 | 94    |     |
|    | 24 | 7 7   | 141  | 19 3    | 156   | 0 57  | 55    | 12 57 | 70    | 24  | 12 4  | 127   | 23 42 | 106   | 4 38  | 61    | 18 20 | 80    |     |
|    | 25 | 8 12  | 127  | 19 31   | 156   | 1 48  | 51    | 13 27 | 87    | 25  | 朔     | 12 41 | 132   |       |       | 5 49  | 67    | 19 14 | 64  |
|    | 26 | 9 48  | 116  | 20 5    | 153   | 2 51  | 51    | 13 57 | 103   | 26  | 1 10  | 112   | 13 12 | 137   | 6 47  | 72    | 19 54 | 48    |     |
|    | 27 | 12 54 | 117  | 20 52   | 149   | 4 14  | 51    | 14 42 | 116   | 27  | 2 9   | 120   | 13 40 | 141   | 7 35  | 76    | 20 29 | 35    |     |
|    | 28 | 14 24 | 127  | 22 9    | 144   | 5 48  | 48    | 16 59 | 123   | 28  | 2 56  | 128   | 14 5  | 145   | 8 16  | 80    | 21 2  | 23    |     |
|    | 29 |       |      | 14 57   | 135   | 7 4   | 42    | 18 55 | 120   | 29  | 3 38  | 135   | 14 30 | 148   | 8 53  | 84    | 21 33 | 14    |     |
|    | 30 | 0 0   | 144  | 15 24   | 141   | 8 1   | 37    | 20 2  | 111   | 30  | 望     | 4 17  | 139   | 14 55 | 150   | 9 27  | 88    | 22 4  | 8   |
|    | 31 | 1 22  | 150  | 15 49   | 146   | 8 46  | 33    | 20 49 | 100   |     |       |       |       |       |       |       |       |       |     |
| 9月 | 1  | 2 19  | 156  | 16 13   | 149   | 9 25  | 31    | 21 29 | 90    | 12月 | 1     | 4 55  | 141   | 15 21 | 152   | 9 59  | 91    | 22 35 | 4   |
|    | 2  | 3 5   | 161  | 16 37   | 152   | 9 59  | 32    | 22 5  | 80    | 2   | 5 33  | 140   | 15 49 | 152   | 10 30 | 94    | 23 8  | 3     |     |
|    | 3  | 3 46  | 163  | 16 59   | 153   | 10 29 | 36    | 22 39 | 71    | 3   | 6 13  | 137   | 16 18 | 150   | 11 2  | 97    | 23 43 | 5     |     |
|    | 4  | 4 24  | 162  | 17 19   | 153   | 10 57 | 42    | 23 12 | 64    | 4   | 6 54  | 133   | 16 50 | 147   | 11 37 | 99    |       |       |     |
|    | 5  | 5 2   | 158  | 17 38   | 153   | 11 22 | 50    | 23 44 | 59    | 5   | 7 40  | 129   | 17 25 | 141   | 0 21  | 9     | 12 16 | 101   |     |
|    | 6  | 5 40  | 151  | 17 57   | 152   | 11 46 | 59    |       |       | 6   | 8 30  | 125   | 18 6  | 132   | 1 3   | 16    | 13 6  | 101   |     |
|    | 7  | 6 19  | 143  | 18 15   | 151   | 0 16  | 55    | 12 8  | 70    | 7   | 9 25  | 123   | 19 3  | 121   | 1 51  | 26    | 14 17 | 100   |     |
|    | 8  | 7 2   | 134  | 18 35</ |       |       |       |       |       |     |       |       |       |       |       |       |       |       |     |