

酒田
SAKATA

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 | cm | 日 | 時分 | cm | 時分 | cm | 時分 | cm | 時分 | cm | 時分 | cm | | |
| 1月 | 1 | 11 44 | 19 | 22 20 | 25 | 5 9 | 11 | 15 48 | 17 | | 4月 | 1 | 15 36 | 13 | 22 39 | 13 | 6 39 | -3 | 19 33 | 12 | | | |
| | 2 | | | 22 43 | 27 | 6 22 | 8 | | | | 2 | | | 15 6 | 11 | 7 26 | -3 | 19 34 | 8 | | | | |
| | 3 | | | 23 15 | 29 | 7 16 | 6 | | | | 3 | 0 8 | 12 | 14 56 | 9 | 8 3 | -4 | 19 59 | 5 | | | | |
| | 4 | | | 23 53 | 31 | 8 0 | 6 | | | | 4 | 1 12 | 11 | 14 55 | 8 | 8 35 | -5 | 20 31 | 1 | | | | |
| | 5 | | | | | 8 38 | 5 | | | | 5 | 2 7 | 11 | 14 58 | 8 | 9 4 | -4 | 21 5 | -3 | | | | |
| | 6 | 望 | 0 37 | 32 | | 9 14 | 5 | | | | 6 | 望 | 3 0 | 11 | 15 3 | 9 | 9 30 | -3 | 21 40 | -6 | | | |
| | 7 | | 1 22 | 32 | | 9 50 | 4 | | | | 7 | | 3 53 | 11 | 15 12 | 11 | 9 54 | -1 | 22 16 | -8 | | | |
| | 8 | | 2 6 | 32 | | 10 27 | 3 | | | | 8 | | 4 47 | 11 | 15 27 | 13 | 10 14 | 2 | 22 54 | -9 | | | |
| | 9 | | 2 47 | 31 | 18 33 | 21 | 11 5 | 2 | 20 50 | 21 | 9 | | 5 42 | 12 | 15 47 | 16 | 10 23 | 6 | 23 35 | -10 | | | |
| | 10 | | 3 25 | 29 | 18 57 | 20 | 11 40 | 1 | 21 32 | 19 | 10 | | 6 42 | 12 | 16 11 | 18 | 10 16 | 9 | | | | | |
| | 11 | | 4 2 | 27 | 19 20 | 18 | 12 14 | 1 | 22 22 | 17 | 11 | | | | 16 39 | 20 | 0 21 | -9 | | | | | |
| | 12 | | 4 39 | 24 | 19 38 | 17 | 12 43 | 2 | 23 33 | 15 | 12 | | | | 17 13 | 21 | 1 15 | -8 | | | | | |
| | 13 | | 5 20 | 21 | 19 52 | 17 | | | 13 7 | 4 | 13 | 下弦 | | | 17 59 | 20 | 2 21 | -6 | | | | | |
| | 14 | | 6 14 | 18 | 20 2 | 18 | 1 10 | 13 | 13 23 | 7 | 14 | | | | 19 26 | 19 | 3 44 | -5 | | | | | |
| | 15 | 下弦 | 7 46 | 16 | 20 16 | 20 | 2 33 | 11 | 13 25 | 11 | 15 | | | | 21 34 | 17 | 5 14 | -5 | | | | | |
| | 16 | | 10 17 | 15 | 20 39 | 23 | 3 51 | 9 | 13 6 | 15 | 16 | | | 14 0 | 12 | 23 20 | 16 | 6 26 | -5 | 18 15 | 10 | | |
| | 17 | | | | 21 15 | 26 | 5 5 | 7 | | | 17 | | | | 13 53 | 11 | 7 22 | -5 | 19 12 | 5 | | | |
| | 18 | | | | 22 5 | 28 | 6 10 | 4 | | | 18 | | | 0 45 | 15 | 14 0 | 11 | 8 7 | -4 | 20 2 | 0 | | |
| | 19 | | | | 23 7 | 31 | 7 9 | 1 | | | 19 | | | 1 59 | 15 | 14 14 | 12 | 8 45 | -2 | 20 50 | -5 | | |
| | 20 | | | | | | 8 6 | -1 | | | 20 | 朔 | 3 7 | 14 | 14 33 | 14 | 9 18 | 1 | 21 36 | -8 | | | |
| | 21 | | 0 16 | 32 | | 9 1 | -4 | | | | 21 | | | 4 11 | 14 | 14 55 | 16 | 9 46 | 5 | 22 20 | -10 | | |
| | 22 | 朔 | 1 22 | 33 | 17 27 | 22 | 9 55 | -6 | 20 7 | 21 | 22 | | | 5 11 | 14 | 15 18 | 18 | 10 5 | 8 | 23 3 | -10 | | |
| | 23 | | 2 24 | 33 | 17 49 | 20 | 10 45 | -7 | 21 10 | 17 | 23 | | | 6 11 | 14 | 15 40 | 20 | 9 56 | 11 | 23 45 | -9 | | |
| | 24 | | 3 22 | 31 | 18 14 | 18 | 11 32 | -7 | 22 21 | 13 | 24 | | | | | 15 59 | 21 | | | | | | |
| | 25 | | 4 20 | 28 | 18 40 | 16 | 12 14 | -6 | 23 37 | 9 | 25 | | | | | 16 15 | 21 | 0 27 | -6 | | | | |
| | 26 | | 5 18 | 24 | 19 6 | 16 | | | 12 52 | -2 | 26 | | | | | 16 28 | 21 | 1 13 | -4 | | | | |
| | 27 | | 6 23 | 19 | 19 31 | 16 | 0 48 | 6 | 13 23 | 2 | 27 | 上弦 | | | | 16 37 | 20 | 2 5 | -2 | | | | |
| | 28 | | 7 42 | 14 | 19 56 | 17 | 1 56 | 4 | 13 41 | 6 | 28 | | | | | 16 31 | 18 | 3 8 | 0 | | | | |
| | 29 | 上弦 | 9 36 | 11 | 20 20 | 19 | 3 8 | 3 | 12 35 | 11 | 29 | | | | | 14 51 | 16 | 4 23 | 1 | | | | |
| | 30 | | | | 20 45 | 21 | 4 33 | 2 | | | 30 | | | 13 54 | 14 | 22 13 | 13 | 5 29 | 2 | 18 56 | 12 | | |
| | 31 | | | | 21 17 | 22 | 5 59 | 2 | | | | | | | | | | | | | | | |
| 2月 | 1 | | | 22 10 | 23 | 7 2 | 1 | | | | 5月 | 1 | 13 32 | 13 | 23 59 | 12 | 6 19 | 2 | 19 12 | 8 | | | |
| | 2 | | | 23 20 | 24 | 7 49 | 0 | | | | 2 | | | 13 22 | 13 | 6 58 | 3 | 19 40 | 5 | | | | |
| | 3 | | | | | 8 29 | 0 | | | | 3 | 1 16 | 13 | 13 20 | 14 | 7 31 | 4 | 20 10 | 1 | | | | |
| | 4 | | 0 24 | 24 | | 9 6 | -1 | | | | 4 | 2 21 | 14 | 13 27 | 16 | 8 0 | 6 | 20 43 | -2 | | | | |
| | 5 | | 1 18 | 24 | 17 14 | 17 | 9 41 | -2 | 19 50 | 16 | 5 | 3 19 | 15 | 13 42 | 18 | 8 26 | 8 | 21 18 | -4 | | | | |
| | 6 | 望 | 2 4 | 24 | 17 21 | 15 | 10 15 | -4 | 20 36 | 13 | 6 | 望 | 4 13 | 17 | 14 5 | 21 | 8 49 | 11 | 21 56 | -6 | | | |
| | 7 | | 2 46 | 22 | 17 35 | 13 | 10 48 | -5 | 21 23 | 10 | 7 | | 5 6 | 18 | 14 33 | 24 | 9 6 | 14 | 22 38 | -6 | | | |
| | 8 | | 3 25 | 20 | 17 50 | 11 | 11 17 | -5 | 22 12 | 7 | 8 | | 6 1 | 19 | 15 6 | 26 | 9 15 | 17 | 23 24 | -6 | | | |
| | 9 | | 4 5 | 18 | 18 3 | 11 | 11 43 | -5 | 23 5 | 5 | 9 | | 7 3 | 20 | 15 43 | 28 | 9 16 | 19 | | | | | |
| | 10 | | 4 47 | 15 | 18 12 | 11 | 12 4 | -3 | 23 59 | 3 | 10 | | | | 16 26 | 28 | 0 16 | -5 | | | | | |
| | 11 | | 5 37 | 13 | 18 19 | 12 | | | 12 17 | 1 | 11 | | | | 17 17 | 27 | 1 13 | -4 | | | | | |
| | 12 | | 6 46 | 11 | 18 30 | 15 | 0 54 | 2 | 12 14 | 4 | 12 | 下弦 | | | 18 26 | 25 | 2 19 | -2 | | | | | |
| | 13 | | 8 24 | 10 | 18 49 | 17 | 1 52 | 1 | 11 54 | 8 | 13 | | | | 20 1 | 22 | 3 31 | 0 | | | | | |
| | 14 | 下弦 | | | 19 19 | 20 | 2 59 | 0 | | | 14 | | | 12 20 | 17 | 21 55 | 19 | 4 43 | 2 | 16 58 | 14 | | |
| | 15 | | | | 20 4 | 22 | 4 20 | -1 | | | 15 | | | 12 19 | 17 | 23 40 | 18 | 5 44 | 4 | 18 9 | 10 | | |
| | 16 | | | | 21 19 | 23 | 5 46 | -2 | | | 16 | | | | | 12 29 | 18 | 6 34 | 6 | 19 5 | 5 | | |
| | 17 | | | | 22 55 | 24 | 7 0 | -5 | | | 17 | | | 1 11 | 18 | 12 45 | 20 | 7 15 | 9 | 19 54 | 2 | | |
| | 18 | | | | | | 8 3 | -7 | | | 18 | | | 2 30 | 19 | 13 6 | 22 | 7 47 | 13 | 20 39 | -1 | | |
| | 19 | | 0 20 | 25 | 16 27 | 15 | 8 58 | -9 | 19 28 | 14 | 19 | | | 3 39 | 20 | 13 31 | 25 | 8 12 | 16 | 21 22 | -2 | | |
| | 20 | 朔 | 1 29 | 25 | 16 36 | 13 | 9 46 | -11 | 20 33 | 9 | 20 | 朔 | 4 40 | 21 | 13 59 | 27 | 8 24 | 19 | 22 3 | -2 | | | |
| | 21 | | 2 32 | 24 | 16 52 | 11 | 10 30 | -11 | 21 37 | 4 | 21 | | | 5 37 | 22 | 14 28 | 28 | 8 21 | 21 | 22 43 | -1 | | |
| | 22 | | 3 32 | 21 | 17 12 | 11 | 11 9 | -10 | 22 39 | 0 | 22 | | | | | 14 58 | 29 | | | 23 23 | 0 | | |
| | 23 | | 4 31 | 18 | 17 33 | 11 | 11 43 | -7 | 23 37 | -4 | 23 | | | | | 15 27 | 30 | | | | | | |
| | 24 | | 5 34 | 14 | 17 55 | 12 | | | 12 12 | -3 | 24 | | | | | 15 57 | 29 | | | | | | |
| | 25 | | 6 41 | 10 | 18 14 | 13 | 0 32 | -6 | 12 29 | 1 | 25 | | | | | 16 28 | 28 | 0 48 | 3 | | | | |
| | 26 | | 8 1 | 8 | 18 31 | 15 | 1 28 | -6 | 11 48 | 6 | 26 | | | | | 17 1 | 25 | 1 34 | 5 | | | | |
| | 27 | 上弦 | | | 18 41 | 16 | 2 28 | -5 | | | 27 | | | | | 17 45 | 23 | 2 23 | 6 | | | | |
| | 28 | | | | 18 45 | 17 | 3 41 | -3 | | | 28 | 上弦 | | | | 12 31 | 20 | 3 13 | 8 | | | | |
| | | | | | | | | | | | 29 | | | | | 21 51 | 18 | 4 1 | 10 | 17 51 | 16 | | |
| | | | | | | | | | | | 30 | | | | | 11 38 | 21 | 4 44 | 12 | 18 29 | 13 | | |
| | | | | | | | | | | | 31 | | | | | 11 37 | 22 | 5 22 | 14 | 19 3 | 10 | | |
| 3月 | 1 | | | 18 45 | 18 | 5 14 | -2 | | | | 6月 | 1 | 1 32 | 20 | 11 49 | 25 | 5 56 | 17 | 19 38 | 7 | | | |
| | 2 | | | 19 6 | 17 | 6 31 | -2 | | | | 2 | | | 2 43 | 22 | 12 11 | 28 | 6 28 | 20 | 20 15 | 5 | | |
| | 3 | | | 22 59 | 17 | 7 25 | -2 | | | | 3 | 望 | 3 41 | 25 | 12 41 | 31 | 6 59 | 23 | 20 56 | 3 | | | |
| | 4 | | | | | 8 8 | -3 | | | | 4 | | | 4 33 | 27 | 13 18 | 34 | 7 29 | 26 | 21 40 | 1 | | |
| | 5 | | 0 17 | 17 | 16 13 | 12 | 8 44 | -5 | 19 42 | 10 | 5 | | | 5 24 | 28 | 14 1 | 36 | 7 57 | 27 | 22 29 | 1 | | |
| | 6 | 望 | 1 14 | 16 | 16 11 | 10 | 9 18 | -6 | 20 23 | 7 | 6 | | | | | 14 49 | 38 | | | 23 21 | 1 | | |
| | 7 | | 2 3 | 15 | 16 18 | 8 | 9 48 | -8 | 21 5 | 3 | 7 | | | | | 15 40 | 38 | | | | | | |
| | 8 | | 2 47 | 14 | 16 27 | 8 | 10 16 | -8 | 21 47 | 0 | 8 | | | | | 16 36 | 36 | | | | | | |

