

# 推算潮位（毎時・満干潮）

地点名：留萌

緯度：43 °57 N

経度：141 °38 E

潮位表基準面の零点：平均海面下 16.0(cm)

2023 年 1 月

| 日  | 毎時潮位 |    |    |    |    |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |    |    |    | 日合計 |      | 日平均   |       | 満潮    |       |       |    |    |    |      |      | 干潮    |       |       |       |       |   |   |   |   |   |   |
|----|------|----|----|----|----|----|----|----|----|----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|-----|------|-------|-------|-------|-------|-------|----|----|----|------|------|-------|-------|-------|-------|-------|---|---|---|---|---|---|
|    | 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  | 11  | 12  | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23  | 時刻   | 潮位    | 時刻    | 潮位    | 時刻    | 潮位    | 時刻 | 潮位 | 時刻 | 潮位   | 時刻   | 潮位    | 時刻    | 潮位    | 時刻    | 潮位    |   |   |   |   |   |   |
| 1  | 13   | 11 | 9  | 6  | 4  | 3  | 2  | 2  | 3  | 5  | 7   | 9   | 10  | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 13 | 14 | 15  | 216  | 9.0   | 23:32 | 15    | *     | *     | *  | *  | *  | *    | *    | 6:25  | 2     | *     | *     | *     | * | * | * |   |   |   |
| 2  | 14   | 13 | 10 | 7  | 4  | 2  | 0  | -1 | 0  | 1  | 3   | 6   | 9   | 11 | 13 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 16  | 228  | 9.5   | 23:25 | 16    | *     | *     | *  | *  | *  | *    | *    | 7:20  | -1    | *     | *     | *     | * | * | * |   |   |   |
| 3  | 16   | 15 | 13 | 10 | 6  | 3  | 1  | -1 | -2 | -1 | 1   | 4   | 7   | 11 | 14 | 16 | 17 | 18 | 18 | 18 | 18 | 18 | 18 | 18  | 256  | 10.7  | 18:25 | 18    | *     | *     | *  | *  | *  | *    | *    | 8:3   | -2    | *     | *     | *     | * | * | * |   |   |   |
| 4  | 18   | 18 | 16 | 13 | 10 | 6  | 2  | 0  | -2 | -2 | -1  | 2   | 6   | 10 | 14 | 17 | 19 | 20 | 21 | 21 | 20 | 20 | 20 | 20  | 288  | 12.0  | 18:35 | 21    | *     | *     | *  | *  | *  | *    | *    | 8:38  | -2    | *     | *     | *     | * | * | * |   |   |   |
| 5  | 20   | 20 | 19 | 17 | 14 | 10 | 5  | 2  | -1 | -2 | -1  | 1   | 4   | 9  | 13 | 17 | 20 | 21 | 22 | 22 | 22 | 21 | 21 | 21  | 317  | 13.2  | 18:25 | 22    | *     | *     | *  | *  | *  | *    | *    | 9:11  | -2    | *     | *     | *     | * | * | * |   |   |   |
| 6  | 21   | 21 | 21 | 20 | 17 | 14 | 9  | 4  | 1  | -1 | -2  | 0   | 3   | 7  | 12 | 16 | 20 | 22 | 23 | 23 | 22 | 22 | 21 | 338 | 14.1 | 18:24 | 23    | *     | *     | *     | *  | *  | *  | *    | 9:44 | -2    | 23:3  | 21    | *     | *     | * | * | * |   |   |   |
| 7  | 22   | 22 | 22 | 22 | 20 | 17 | 13 | 8  | 3  | 0  | -2  | -2  | 1   | 4  | 9  | 14 | 18 | 21 | 22 | 23 | 22 | 21 | 21 | 342 | 14.3 | F     | 2:4   | 22    | 18:35 | 23    | *  | *  | *  | *    | *    | *     | 10:20 | -2    | 22:49 | 21    | * | * | * | * | * |   |
| 8  | 21   | 22 | 22 | 23 | 22 | 20 | 16 | 11 | 6  | 1  | -2  | -2  | -1  | 2  | 6  | 11 | 15 | 19 | 21 | 21 | 21 | 20 | 19 | 19  | 333  | 13.9  | 2:52  | 23    | 18:52 | 21    | *  | *  | *  | *    | *    | *     | 10:57 | -2    | 22:54 | 19    | * | * | * | * | * |   |
| 9  | 20   | 20 | 21 | 22 | 22 | 21 | 18 | 14 | 8  | 3  | -1  | -3  | -3  | -1 | 3  | 7  | 12 | 16 | 18 | 19 | 19 | 18 | 17 | 17  | 307  | 12.8  | 3:36  | 22    | 19:13 | 20    | *  | *  | *  | *    | *    | *     | 11:33 | -3    | 23:16 | 17    | * | * | * | * | * |   |
| 10 | 17   | 18 | 19 | 20 | 20 | 20 | 18 | 15 | 10 | 5  | 1   | -2  | -4  | -3 | 0  | 4  | 8  | 12 | 15 | 17 | 17 | 16 | 15 | 15  | 273  | 11.4  | 4:17  | 20    | 19:36 | 17    | *  | *  | *  | *    | *    | *     | 12:9  | -4    | 23:49 | 14    | * | * | * | * | * |   |
| 11 | 14   | 15 | 15 | 16 | 18 | 18 | 17 | 15 | 12 | 7  | 2   | -1  | -3  | -4 | -2 | 1  | 5  | 9  | 12 | 14 | 15 | 14 | 13 | 12  | 234  | 9.8   | 4:56  | 18    | 19:58 | 15    | *  | *  | *  | *    | *    | *     | 12:41 | -4    | *     | *     | * | * | * | * |   |   |
| 12 | 12   | 12 | 12 | 13 | 14 | 15 | 15 | 14 | 12 | 8  | 4   | 0   | -2  | -3 | -3 | -1 | 2  | 6  | 9  | 11 | 12 | 12 | 11 | 10  | 195  | 8.1   | 5:38  | 15    | 20:18 | 13    | *  | *  | *  | *    | *    | *     | 0:31  | 12    | 13:9  | -3    | * | * | * | * | * |   |
| 13 | 9    | 9  | 9  | 9  | 10 | 11 | 12 | 12 | 11 | 8  | 5   | 2   | 0   | -2 | -2 | 0  | 2  | 5  | 7  | 10 | 11 | 11 | 10 | 9   | 168  | 7.0   | 6:28  | 12    | 20:35 | 11    | *  | *  | *  | *    | *    | *     | 1:28  | 9     | 13:30 | -2    | * | * | * | * | * |   |
| 14 | 7    | 7  | 6  | 6  | 6  | 7  | 8  | 9  | 9  | 8  | 7   | 4   | 2   | 1  | 1  | 1  | 3  | 5  | 7  | 9  | 10 | 11 | 10 | 8   | 152  | 6.3   | 7:40  | 9     | 20:48 | 11    | *  | *  | *  | *    | *    | *     | 2:38  | 6     | 13:44 | 1     | * | * | * | * | * |   |
| 15 | 7    | 5  | 4  | 4  | 4  | 4  | 5  | 6  | 7  | 8  | 8   | 7   | 5   | 4  | 4  | 5  | 5  | 7  | 8  | 10 | 11 | 11 | 11 | 9   | 159  | 6.6   | L     | 9:27  | 8     | 20:55 | 11 | *  | *  | *    | *    | *     | *     | 3:51  | 4     | 13:53 | 4 | * | * | * | * | * |
| 16 | 7    | 5  | 3  | 2  | 2  | 1  | 2  | 3  | 4  | 6  | 8   | 9   | 9   | 8  | 8  | 9  | 9  | 10 | 11 | 12 | 13 | 13 | 13 | 11  | 178  | 7.4   | 20:58 | 13    | *     | *     | *  | *  | *  | *    | 4:59 | 1     | *     | *     | *     | *     | * | * |   |   |   |   |
| 17 | 9    | 7  | 4  | 2  | 1  | 0  | -1 | 0  | 1  | 3  | 6   | 9   | 11  | 12 | 13 | 13 | 14 | 14 | 15 | 15 | 15 | 15 | 14 | 207 | 8.6  | 20:46 | 15    | *     | *     | *     | *  | *  | *  | 6:0  | -1   | *     | *     | *     | *     | *     | * |   |   |   |   |   |
| 18 | 13   | 10 | 7  | 4  | 1  | -1 | -2 | -3 | -2 | 0  | 3   | 7   | 11  | 14 | 16 | 17 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 238 | 9.9  | 18:51 | 18    | *     | *     | *     | *  | *  | *  | 6:57 | -3   | *     | *     | *     | *     | *     | * |   |   |   |   |   |
| 19 | 16   | 14 | 11 | 8  | 4  | 0  | -3 | -4 | -5 | -4 | -1  | 4   | 9   | 14 | 17 | 20 | 21 | 21 | 21 | 21 | 21 | 20 | 20 | 266 | 11.1 | 17:29 | 21    | *     | *     | *     | *  | *  | *  | 7:52 | -5   | *     | *     | *     | *     | *     | * |   |   |   |   |   |
| 20 | 20   | 19 | 16 | 13 | 9  | 4  | -1 | -4 | -6 | -7 | -5  | -2  | 4   | 10 | 16 | 20 | 22 | 23 | 23 | 23 | 22 | 22 | 22 | 22  | 285  | 11.9  | 17:17 | 23    | *     | *     | *  | *  | *  | *    | 8:46 | -7    | *     | *     | *     | *     | * | * |   |   |   |   |
| 21 | 22   | 22 | 21 | 19 | 15 | 10 | 4  | -2 | -6 | -8 | -9  | -7  | -2  | 4  | 11 | 17 | 21 | 23 | 23 | 23 | 22 | 21 | 21 | 21  | 286  | 11.9  | 17:36 | #24   | *     | *     | *  | *  | *  | *    | 9:41 | -9    | 22:11 | 21    | *     | *     | * | * | * |   |   |   |
| 22 | 22   | 23 | 23 | 23 | 20 | 16 | 10 | 3  | -3 | -7 | -10 | -10 | -7  | -2 | 5  | 12 | 18 | 21 | 22 | 22 | 20 | 19 | 19 | 19  | 278  | 11.6  | N     | 2:1   | 23    | 18:2  | 22 | *  | *  | *    | *    | *     | 10:34 | -10   | 22:14 | 19    | * | * | * | * | * |   |
| 23 | 20   | 21 | 23 | 24 | 23 | 21 | 16 | 9  | 2  | -4 | -8  | -10 | -10 | -7 | -1 | 6  | 12 | 17 | 20 | 20 | 18 | 16 | 15 | 15  | 258  | 10.8  | 3:13  | #24   | 18:30 | 20    | *  | *  | *  | *    | *    | 11:25 | #-11  | 22:45 | 15    | *     | * | * | * | * |   |   |
| 24 | 16   | 17 | 19 | 21 | 23 | 22 | 20 | 15 | 8  | 1  | -4  | -8  | -10 | -9 | -6 | 0  | 7  | 13 | 16 | 18 | 16 | 14 | 12 | 11  | 232  | 9.7   | 4:19  | 23    | 18:58 | 18    | *  | *  | *  | *    | *    | 12:13 | -10   | 23:32 | 11    | *     | * | * | * | * |   |   |
| 25 | 11   | 12 | 14 | 16 | 19 | 20 | 20 | 17 | 13 | 6  | 0   | -4  | -7  | -8 | -7 | -3 | 3  | 8  | 13 | 15 | 15 | 13 | 10 | 8   | 204  | 8.5   | 5:21  | 21    | 19:26 | 15    | *  | *  | *  | *    | *    | 12:57 | -8    | *     | *     | *     | * | * | * |   |   |   |
| 26 | 7    | 7  | 8  | 10 | 13 | 15 | 17 | 17 | 14 | 10 | 5   | 0   | -3  | -4 | -5 | -3 | 1  | 5  | 9  | 12 | 13 | 12 | 9  | 6   | 175  | 7.3   | 6:23  | 17    | 19:53 | 13    | *  | *  | *  | *    | *    | 0:30  | 7     | 13:35 | -5    | *     | * | * | * | * |   |   |
| 27 | 4    | 3  | 3  | 4  | 6  | 9  | 11 | 12 | 12 | 11 | 8   | 4   | 2   | 0  | -1 | 0  | 2  | 5  | 8  | 11 | 12 | 12 | 10 | 7   | 155  | 6.5   | 7:30  | 13    | 20:19 | 12    | *  | *  | *  | *    | *    | 1:33  | 3     | 14:3  | -1    | *     | * | * | * | * |   |   |
| 28 | 4    | 2  | 1  | 0  | 1  | 3  | 5  | 7  | 8  | 9  | 8   | 7   | 5   | 4  | 4  | 4  | 5  | 7  | 9  | 11 | 12 | 12 | 11 | 8   | 147  | 6.1   | 8:51  | 9     | 20:40 | 12    | *  | *  | *  | *    | *    | 2:43  | 0     | 13:56 | 4     | *     | * | * | * | * |   |   |
| 29 | 5    | 2  | 0  | -1 | -1 | -1 | 0  | 2  | 4  | 5  | 7   | 7   | 7   | 7  | 8  | 8  | 9  | 10 | 11 | 12 | 13 | 13 | 12 | 10  | 149  | 6.2   | U     | 20:50 | 13    | *     | *  | *  | *  | *    | 3:59 | -1    | *     | *     | *     | *     | * | * |   |   |   |   |
| 30 | 8    | 5  | 2  | 0  | -2 | -2 | -2 | -1 | 0  | 2  | 4   | 6   | 8   | 9  | 10 | 12 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 12  | 168  | 7.0   | 19:23 | 14    | *     | *     | *  | *  | *  | 5:25 | -2   | *     | *     | *     | *     | *     | * |   |   |   |   |   |
| 31 | 10   | 8  | 5  | 2  | 0  | -2 | -3 | -3 | -2 | 0  | 2   | 5   | 7   | 10 | 12 | 14 | 16 | 17 | 17 | 17 | 16 | 16 | 15 | 14  | 193  | 8.0   | 18:6  | 17    | *     | *     | *  | *  | *  | 6:42 | -3   | *     | *     | *     | *     | *     | * |   |   |   |   |   |

| N   | Sum  | Mean | 推算月最高潮位  |    |    | 推算月最低潮位   |     |    |
|-----|------|------|----------|----|----|-----------|-----|----|
|     |      |      | 起時       | 潮位 | 回数 | 起時        | 潮位  | 回数 |
| 744 | 7225 | 9.7  | 23日3時13分 | 24 | 2  | 23日11時25分 | -11 | 1  |

# 推算潮位 ( 毎時・満干潮 )

地点名: 留萌

緯度: 43 °57 N

経度: 141 °38 E

潮位表基準面の零点: 平均海面下 16.0(cm)

2023 年 2 月

| 日  | 毎時潮位 |    |    |    |    |    |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    | 日合計 |     | 日平均  |    | 月     |     | 満潮    |    |    |    |    |    |      |       | 干潮    |       |    |   |   |   |   |  |
|----|------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|-----|-----|------|----|-------|-----|-------|----|----|----|----|----|------|-------|-------|-------|----|---|---|---|---|--|
|    | 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9   | 10  | 11  | 12  | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23  | 時刻  | 潮位   | 時刻 | 潮位    | 時刻  | 潮位    | 時刻 | 潮位 | 時刻 | 潮位 | 時刻 | 潮位   | 時刻    | 潮位    | 時刻    | 潮位 |   |   |   |   |  |
| 1  | 13   | 11 | 8  | 6  | 3  | 0  | -2 | -3 | -3 | -2  | 0   | 3   | 6   | 10 | 13 | 15 | 17 | 18 | 19 | 19 | 18 | 17 | 16 | 16  | 218 | 9.1  |    | 18:11 | 19  | *     | *  | *  | *  | *  | *  | 7:39 | -3    | *     | *     | *  | * | * | * |   |  |
| 2  | 15   | 14 | 12 | 9  | 6  | 3  | 0  | -2 | -3 | -3  | -1  | 2   | 5   | 9  | 13 | 16 | 18 | 19 | 20 | 19 | 19 | 18 | 17 | 17  | 242 | 10.1 |    | 18:11 | #20 | *     | *  | *  | *  | *  | *  | 8:24 | -3    | *     | *     | *  | * | * | * |   |  |
| 3  | 17   | 16 | 15 | 13 | 10 | 7  | 3  | 0  | -2 | -3  | -2  | 0   | 3   | 7  | 12 | 15 | 18 | 19 | 20 | 19 | 19 | 18 | 17 | 17  | 258 | 10.8 |    | 17:58 | #20 | *     | *  | *  | *  | *  | *  | 9: 2 | -3    | *     | *     | *  | * | * | * |   |  |
| 4  | 17   | 17 | 17 | 16 | 13 | 10 | 6  | 2  | -2 | -3  | -4  | -2  | 1   | 5  | 9  | 13 | 17 | 18 | 19 | 18 | 17 | 17 | 16 | 16  | 253 | 10.5 |    | 17:53 | 19  | *     | *  | *  | *  | *  | *  | 9:38 | -4    | 22:53 | 16    | *  | * | * | * |   |  |
| 5  | 16   | 17 | 18 | 17 | 16 | 13 | 9  | 4  | -1 | -4  | -5  | -4  | -2  | 2  | 6  | 11 | 14 | 17 | 17 | 17 | 16 | 15 | 14 | 14  | 237 | 9.9  |    | 2:14  | 18  | 17:59 | 17 | *  | *  | *  | *  | *    | 10:14 | -5    | 22:47 | 14 | * | * | * | * |  |
| 6  | 14   | 15 | 17 | 17 | 17 | 15 | 11 | 6  | 1  | -3  | -5  | -6  | -5  | -1 | 3  | 8  | 12 | 14 | 16 | 15 | 14 | 12 | 11 | 11  | 209 | 8.7  | F  | 3: 7  | 17  | 18:10 | 16 | *  | *  | *  | *  | *    | 10:48 | -6    | 22:58 | 11 | * | * | * | * |  |
| 7  | 12   | 13 | 14 | 16 | 16 | 15 | 13 | 8  | 3  | -2  | -5  | -7  | -7  | -4 | 0  | 4  | 9  | 12 | 13 | 13 | 12 | 10 | 9  | 8   | 175 | 7.3  |    | 3:53  | 16  | 18:24 | 13 | *  | *  | *  | *  | *    | 11:21 | -7    | 23:20 | 8  | * | * | * | * |  |
| 8  | 8    | 9  | 11 | 13 | 14 | 15 | 13 | 10 | 5  | 0   | -4  | -7  | -7  | -6 | -3 | 1  | 6  | 9  | 11 | 11 | 10 | 8  | 6  | 5   | 138 | 5.8  |    | 4:35  | 15  | 18:39 | 12 | *  | *  | *  | *  | *    | 11:50 | -7    | 23:48 | 5  | * | * | * | * |  |
| 9  | 5    | 6  | 7  | 9  | 11 | 13 | 12 | 10 | 6  | 2   | -3  | -5  | -7  | -6 | -4 | -1 | 4  | 7  | 9  | 10 | 9  | 7  | 5  | 3   | 109 | 4.5  |    | 5:18  | 13  | 18:53 | 10 | *  | *  | *  | *  | *    | 12:15 | -7    | *     | *  | * | * | * | * |  |
| 10 | 2    | 3  | 4  | 6  | 8  | 10 | 11 | 10 | 8  | 4   | 0   | -3  | -5  | -5 | -3 | -1 | 3  | 6  | 8  | 9  | 8  | 6  | 4  | 2   | 95  | 4.0  |    | 6: 4  | 11  | 19: 5 | 9  | *  | *  | *  | *  | *    | 0:19  | 2     | 12:34 | -5 | * | * | * | * |  |
| 11 | 0    | 0  | 1  | 2  | 4  | 7  | 8  | 9  | 8  | 6   | 3   | 0   | -2  | -2 | -1 | 1  | 3  | 6  | 8  | 9  | 9  | 7  | 4  | 1   | 91  | 3.8  |    | 6:57  | 9   | 19:13 | 9  | *  | *  | *  | *  | *    | 0:53  | 0     | 12:46 | -2 | * | * | * | * |  |
| 12 | -1   | -1 | -1 | -1 | 1  | 3  | 6  | 7  | 8  | 7   | 6   | 4   | 2   | 2  | 2  | 4  | 5  | 7  | 9  | 10 | 10 | 8  | 6  | 2   | 105 | 4.4  |    | 8: 4  | 8   | 19:16 | 10 | *  | *  | *  | *  | *    | 1:32  | -2    | 12:51 | 2  | * | * | * | * |  |
| 13 | 0    | -2 | -3 | -3 | -2 | 0  | 2  | 5  | 7  | 8   | 8   | 7   | 6   | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 12 | 10 | 8  | 5   | 131 | 5.5  |    | 9:34  | 8   | 19:11 | 12 | *  | *  | *  | *  | *    | 2:22  | -3    | 12:50 | 6  | * | * | * | * |  |
| 14 | 2    | -1 | -3 | -3 | -3 | -2 | -1 | 1  | 4  | 7   | 8   | 10  | 10  | 10 | 11 | 12 | 13 | 14 | 14 | 14 | 14 | 13 | 11 | 8   | 163 | 6.8  | L  | 18:50 | 14  | *     | *  | *  | *  | *  | *  | 3:28 | -3    | *     | *     | *  | * | * | * |   |  |
| 15 | 5    | 2  | -1 | -3 | -4 | -4 | -3 | -2 | 0  | 4   | 7   | 10  | 12  | 13 | 14 | 15 | 16 | 17 | 17 | 17 | 17 | 16 | 14 | 12  | 191 | 8.0  |    | 18:11 | 17  | *     | *  | *  | *  | *  | *  | 4:56 | -4    | *     | *     | *  | * | * | * |   |  |
| 16 | 9    | 6  | 3  | 0  | -2 | -4 | -5 | -5 | -3 | -1  | 3   | 7   | 11  | 14 | 16 | 18 | 19 | 19 | 19 | 19 | 18 | 18 | 17 | 15  | 211 | 8.8  |    | 17:54 | 19  | *     | *  | *  | *  | *  | *  | 6:26 | -5    | *     | *     | *  | * | * | * |   |  |
| 17 | 14   | 11 | 8  | 4  | 1  | -2 | -5 | -6 | -7 | -5  | -2  | 2   | 8   | 12 | 16 | 18 | 19 | 20 | 20 | 19 | 19 | 18 | 18 | 17  | 217 | 9.0  |    | 17:22 | #20 | *     | *  | *  | *  | *  | *  | 7:42 | -7    | *     | *     | *  | * | * | * |   |  |
| 18 | 17   | 15 | 13 | 10 | 6  | 2  | -3 | -6 | -8 | -9  | -7  | -3  | 2   | 8  | 13 | 17 | 19 | 19 | 19 | 18 | 18 | 17 | 17 | 17  | 211 | 8.8  |    | 16:56 | 19  | *     | *  | *  | *  | *  | *  | 8:45 | -9    | 22:11 | 17    | *  | * | * | * |   |  |
| 19 | 17   | 18 | 17 | 15 | 12 | 7  | 2  | -4 | -8 | -10 | -10 | -8  | -4  | 2  | 9  | 14 | 17 | 18 | 17 | 16 | 15 | 14 | 14 | 14  | 194 | 8.1  |    | 1: 2  | 18  | 17: 3 | 18 | *  | *  | *  | *  | *    | 9:41  | -10   | 21:55 | 14 | * | * | * | * |  |
| 20 | 15   | 17 | 19 | 19 | 17 | 13 | 7  | 1  | -5 | -9  | -11 | -11 | -8  | -3 | 3  | 9  | 14 | 16 | 15 | 13 | 11 | 10 | 9  | 10  | 171 | 7.1  | N  | 2:30  | 19  | 17:21 | 16 | *  | *  | *  | *  | *    | 10:31 | #-11  | 22: 9 | 9  | * | * | * | * |  |
| 21 | 11   | 13 | 16 | 18 | 19 | 17 | 13 | 6  | 0  | -6  | -9  | -11 | -10 | -7 | -1 | 5  | 10 | 13 | 14 | 12 | 9  | 6  | 5  | 5   | 148 | 6.2  |    | 3:40  | 19  | 17:42 | 14 | *  | *  | *  | *  | *    | 11:16 | #-11  | 22:44 | 5  | * | * | * | * |  |
| 22 | 5    | 8  | 11 | 15 | 17 | 18 | 16 | 11 | 5  | -1  | -6  | -9  | -10 | -8 | -4 | 1  | 7  | 11 | 13 | 11 | 8  | 4  | 1  | 0   | 124 | 5.2  |    | 4:42  | 18  | 18: 6 | 13 | *  | *  | *  | *  | *    | 11:57 | -10   | 23:28 | 0  | * | * | * | * |  |
| 23 | 0    | 2  | 5  | 9  | 13 | 15 | 16 | 13 | 9  | 4   | -1  | -4  | -6  | -6 | -4 | 0  | 5  | 9  | 11 | 11 | 9  | 4  | 0  | -2  | 112 | 4.7  |    | 5:41  | 16  | 18:29 | 12 | *  | *  | *  | *  | *    | 12:32 | -6    | *     | *  | * | * | * | * |  |
| 24 | -3   | -3 | -1 | 2  | 6  | 10 | 12 | 13 | 11 | 7   | 3   | 0   | -2  | -2 | -1 | 1  | 4  | 8  | 11 | 11 | 10 | 6  | 2  | -2  | 103 | 4.3  |    | 6:40  | 13  | 18:51 | 11 | *  | *  | *  | *  | *    | 0:16  | -3    | 13: 0 | -2 | * | * | * | * |  |
| 25 | -4   | -5 | -5 | -3 | 1  | 4  | 8  | 10 | 10 | 9   | 6   | 4   | 3   | 3  | 3  | 4  | 6  | 9  | 11 | 12 | 11 | 8  | 4  | 0   | 109 | 4.5  |    | 7:42  | 10  | 19: 7 | 12 | *  | *  | *  | *  | *    | 1: 6  | -5    | 13: 5 | 3  | * | * | * | * |  |
| 26 | -3   | -5 | -6 | -5 | -3 | 0  | 3  | 5  | 7  | 8   | 8   | 7   | 7   | 7  | 7  | 8  | 9  | 11 | 12 | 12 | 12 | 10 | 7  | 3   | 121 | 5.0  |    | 9: 3  | 8   | 19:10 | 12 | *  | *  | *  | *  | *    | 1:59  | -6    | 12: 3 | 7  | * | * | * | * |  |
| 27 | 0    | -3 | -4 | -5 | -4 | -3 | -1 | 2  | 4  | 6   | 7   | 8   | 9   | 10 | 11 | 12 | 13 | 13 | 14 | 14 | 13 | 12 | 10 | 7   | 145 | 6.0  | U  | 18:20 | 14  | *     | *  | *  | *  | *  | *  | 2:56 | -5    | *     | *     | *  | * | * | * |   |  |
| 28 | 3    | 0  | -2 | -3 | -4 | -3 | -2 | -1 | 1  | 4   | 6   | 8   | 9   | 11 | 13 | 15 | 16 | 16 | 16 | 15 | 14 | 13 | 12 | 10  | 167 | 7.0  |    | 17:16 | 16  | *     | *  | *  | *  | *  | *  | 4: 5 | -4    | *     | *     | *  | * | * | * |   |  |

| N<br>総回数 | Sum<br>推算月合計 | Mean<br>推算月平均 | 推算月最高潮位     |    |    | 推算月最低潮位     |     |    |
|----------|--------------|---------------|-------------|----|----|-------------|-----|----|
|          |              |               | 起時          | 潮位 | 回数 | 起時          | 潮位  | 回数 |
| 672      | 4648         | 6.9           | 17日 17時 22分 | 20 | 3  | 21日 11時 16分 | -11 | 2  |

# 推算潮位 (毎時・満干潮)

地点名: 留萌

緯度: 43 °57 N

経度: 141 °38 E

潮位表基準面の零点: 平均海面下 16.0(cm)

2023 年 3 月

| 日  | 毎時潮位 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 日合計 |     | 日平均 |    | 月     |     | 満潮    |    |    |    |    |    |      |       | 干潮    |       |    |   |   |   |   |  |
|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|----|-------|-----|-------|----|----|----|----|----|------|-------|-------|-------|----|---|---|---|---|--|
|    | 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23  | 時刻  | 潮位  | 時刻 | 潮位    | 時刻  | 潮位    | 時刻 | 潮位 | 時刻 | 潮位 | 時刻 | 潮位   | 時刻    | 潮位    | 時刻    | 潮位 |   |   |   |   |  |
| 1  | 7    | 4  | 2  | 0  | -2 | -2 | -2 | -2 | 0  | 1  | 4  | 7  | 9  | 12 | 14 | 16 | 17 | 18 | 17 | 17 | 16 | 14 | 13 | 12  | 192 | 8.0 |    | 17:14 | 18  | *     | *  | *  | *  | *  | *  | 5:34 | -2    | *     | *     | *  | * | * | * |   |  |
| 2  | 10   | 8  | 6  | 3  | 1  | -1 | -2 | -2 | -2 | 0  | 2  | 5  | 8  | 11 | 14 | 16 | 17 | 18 | 18 | 17 | 16 | 15 | 14 | 13  | 205 | 8.5 |    | 17:16 | 18  | *     | *  | *  | *  | *  | *  | 6:58 | -2    | *     | *     | *  | * | * | * |   |  |
| 3  | 12   | 11 | 9  | 7  | 4  | 2  | -1 | -2 | -2 | -2 | 0  | 3  | 6  | 9  | 13 | 15 | 17 | 17 | 17 | 16 | 15 | 14 | 13 | 13  | 206 | 8.6 |    | 17:10 | 17  | *     | *  | *  | *  | *  | *  | 7:59 | -2    | *     | *     | *  | * | * | * |   |  |
| 4  | 13   | 12 | 11 | 10 | 7  | 4  | 1  | -2 | -3 | -3 | -2 | 0  | 3  | 7  | 11 | 13 | 15 | 16 | 15 | 14 | 13 | 12 | 12 | 12  | 191 | 8.0 |    | 17:2  | 16  | *     | *  | *  | *  | *  | *  | 8:44 | -3    | 22:32 | 12    | *  | * | * | * |   |  |
| 5  | 12   | 13 | 13 | 12 | 10 | 6  | 3  | -1 | -3 | -5 | -4 | -3 | 0  | 4  | 8  | 11 | 13 | 14 | 14 | 12 | 11 | 10 | 9  | 10  | 169 | 7.0 |    | 1:26  | 13  | 17:1  | 14 | *  | *  | *  | *  | *    | 9:23  | -5    | 22:20 | 9  | * | * | * | * |  |
| 6  | 10   | 12 | 13 | 13 | 11 | 9  | 5  | 1  | -3 | -5 | -6 | -5 | -3 | 1  | 5  | 9  | 11 | 12 | 12 | 10 | 8  | 7  | 6  | 6   | 139 | 5.8 |    | 2:30  | 13  | 17:6  | 12 | *  | *  | *  | *  | *    | 9:58  | -6    | 22:24 | 6  | * | * | * | * |  |
| 7  | 8    | 9  | 11 | 12 | 12 | 10 | 7  | 2  | -2 | -5 | -7 | -7 | -5 | -2 | 3  | 7  | 9  | 11 | 10 | 8  | 6  | 4  | 3  | 3   | 107 | 4.5 | F  | 3:20  | 13  | 17:15 | 11 | *  | *  | *  | *  | *    | 10:29 | -7    | 22:40 | 3  | * | * | * | * |  |
| 8  | 4    | 6  | 9  | 11 | 12 | 11 | 9  | 4  | 0  | -4 | -6 | -7 | -6 | -3 | 0  | 4  | 8  | 9  | 9  | 7  | 5  | 2  | 1  | 0   | 85  | 3.5 |    | 4:5   | 12  | 17:26 | 9  | *  | *  | *  | *  | *    | 10:58 | -7    | 23:2  | 0  | * | * | * | * |  |
| 9  | 1    | 3  | 6  | 9  | 11 | 11 | 10 | 7  | 2  | -2 | -5 | -6 | -6 | -4 | -1 | 3  | 6  | 8  | 9  | 7  | 4  | 1  | -1 | -2  | 71  | 3.0 |    | 4:49  | 11  | 17:36 | 9  | *  | *  | *  | *  | *    | 11:24 | -6    | 23:26 | -3 | * | * | * | * |  |
| 10 | -2   | -1 | 2  | 6  | 9  | 11 | 11 | 9  | 5  | 1  | -2 | -4 | -4 | -3 | 0  | 3  | 6  | 8  | 9  | 7  | 4  | 1  | -2 | -4  | 70  | 2.9 |    | 5:33  | 11  | 17:46 | 9  | *  | *  | *  | *  | *    | 11:45 | -4    | 23:52 | -5 | * | * | * | * |  |
| 11 | -4   | -4 | -1 | 2  | 6  | 9  | 11 | 10 | 8  | 5  | 2  | 0  | -1 | 0  | 1  | 4  | 7  | 9  | 10 | 9  | 6  | 2  | -2 | -5  | 84  | 3.5 |    | 6:21  | 11  | 17:54 | 10 | *  | *  | *  | *  | *    | 12:1  | -1    | *     | *  | * | * | * | * |  |
| 12 | -6   | -6 | -4 | -1 | 3  | 7  | 9  | 11 | 10 | 8  | 6  | 4  | 3  | 3  | 5  | 6  | 9  | 10 | 11 | 10 | 8  | 4  | 0  | -4  | 106 | 4.4 |    | 7:15  | 11  | 17:58 | 11 | *  | *  | *  | *  | *    | 0:23  | -6    | 12:8  | 3  | * | * | * | * |  |
| 13 | -6   | -6 | -6 | -4 | 0  | 3  | 7  | 10 | 11 | 11 | 9  | 8  | 7  | 8  | 9  | 10 | 11 | 13 | 13 | 12 | 10 | 7  | 3  | -1  | 139 | 5.8 |    | 8:20  | 11  | 17:56 | 13 | *  | *  | *  | *  | *    | 0:59  | -6    | 12:8  | 7  | * | * | * | * |  |
| 14 | -4   | -6 | -6 | -5 | -3 | 0  | 3  | 7  | 10 | 11 | 12 | 11 | 11 | 12 | 12 | 13 | 14 | 15 | 15 | 15 | 13 | 10 | 6  | 2   | 168 | 7.0 |    | 17:43 | 15  | *     | *  | *  | *  | *  | *  | 1:45 | -6    | *     | *     | *  | * | * | * |   |  |
| 15 | -1   | -4 | -5 | -5 | -5 | -3 | 0  | 3  | 6  | 9  | 12 | 13 | 14 | 14 | 15 | 16 | 17 | 17 | 17 | 17 | 15 | 13 | 10 | 7   | 192 | 8.0 | L  | 17:14 | 17  | *     | *  | *  | *  | *  | *  | 2:49 | -5    | *     | *     | *  | * | * | * |   |  |
| 16 | 3    | 0  | -2 | -4 | -5 | -4 | -3 | -1 | 2  | 5  | 9  | 12 | 14 | 15 | 17 | 18 | 18 | 19 | 19 | 18 | 17 | 15 | 13 | 11  | 206 | 8.6 |    | 17:1  | #19 | *     | *  | *  | *  | *  | *  | 4:21 | -5    | *     | *     | *  | * | * | * |   |  |
| 17 | 8    | 5  | 2  | -1 | -3 | -4 | -5 | -5 | -3 | 0  | 4  | 8  | 12 | 15 | 16 | 18 | 18 | 18 | 18 | 17 | 16 | 15 | 14 | 13  | 196 | 8.2 |    | 16:52 | 18  | *     | *  | *  | *  | *  | *  | 6:10 | -5    | *     | *     | *  | * | * | * |   |  |
| 18 | 12   | 10 | 7  | 4  | 1  | -2 | -5 | -6 | -6 | -5 | -1 | 3  | 8  | 12 | 15 | 16 | 17 | 17 | 16 | 15 | 15 | 14 | 14 | 14  | 185 | 7.7 |    | 16:9  | 17  | *     | *  | *  | *  | *  | *  | 7:36 | -6    | *     | *     | *  | * | * | * |   |  |
| 19 | 14   | 13 | 12 | 9  | 5  | 1  | -2 | -6 | -7 | -8 | -6 | -2 | 3  | 8  | 12 | 14 | 15 | 14 | 13 | 12 | 11 | 10 | 10 | 11  | 156 | 6.5 |    | 15:57 | 15  | *     | *  | *  | *  | *  | *  | 8:40 | -8    | 21:24 | 10    | *  | * | * | * |   |  |
| 20 | 13   | 14 | 15 | 13 | 10 | 6  | 1  | -3 | -6 | -8 | -8 | -6 | -2 | 4  | 8  | 12 | 13 | 13 | 10 | 8  | 6  | 6  | 6  | 7   | 132 | 5.5 |    | 1:42  | 15  | 16:7  | 13 | *  | *  | *  | *  | *    | 9:33  | #-9   | 21:29 | 6  | * | * | * | * |  |
| 21 | 9    | 12 | 15 | 15 | 14 | 11 | 6  | 1  | -3 | -7 | -8 | -8 | -5 | 0  | 5  | 10 | 12 | 12 | 9  | 6  | 3  | 1  | 1  | 1   | 112 | 4.7 |    | 2:58  | 15  | 16:25 | 12 | *  | *  | *  | *  | *    | 10:18 | -8    | 21:55 | 1  | * | * | * | * |  |
| 22 | 4    | 8  | 12 | 15 | 16 | 15 | 11 | 6  | 1  | -3 | -6 | -7 | -5 | -2 | 3  | 8  | 11 | 12 | 10 | 5  | 1  | -2 | -4 | -4  | 105 | 4.4 | N  | 4:1   | 16  | 16:46 | 12 | *  | *  | *  | *  | *    | 10:58 | -7    | 22:31 | -4 | * | * | * | * |  |
| 23 | -2   | 2  | 6  | 11 | 14 | 15 | 14 | 10 | 6  | 1  | -2 | -3 | -3 | -1 | 2  | 7  | 10 | 12 | 11 | 7  | 2  | -3 | -6 | -7  | 103 | 4.3 |    | 4:59  | 15  | 17:8  | 12 | *  | *  | *  | *  | *    | 11:33 | -3    | 23:11 | -7 | * | * | * | * |  |
| 24 | -6   | -4 | 1  | 6  | 10 | 13 | 15 | 13 | 10 | 6  | 3  | 1  | 1  | 1  | 4  | 7  | 10 | 12 | 12 | 9  | 5  | -1 | -5 | -8  | 115 | 4.8 |    | 5:55  | 15  | 17:29 | 12 | *  | *  | *  | *  | *    | 12:3  | 1     | 23:53 | -8 | * | * | * | * |  |
| 25 | -8   | -7 | -4 | 0  | 5  | 10 | 13 | 13 | 12 | 10 | 7  | 6  | 5  | 5  | 6  | 9  | 11 | 13 | 13 | 12 | 8  | 3  | -2 | -6  | 134 | 5.6 |    | 6:50  | 13  | 17:46 | 13 | *  | *  | *  | *  | *    | 12:21 | 5     | *     | *  | * | * | * | * |  |
| 26 | -8   | -8 | -6 | -3 | 1  | 6  | 9  | 12 | 12 | 12 | 10 | 10 | 9  | 10 | 10 | 11 | 13 | 14 | 14 | 13 | 11 | 7  | 2  | -2  | 159 | 6.6 |    | 7:52  | 12  | 17:52 | 14 | *  | *  | *  | *  | *    | 0:36  | -8    | 11:52 | 9  | * | * | * | * |  |
| 27 | -5   | -7 | -6 | -4 | -1 | 2  | 6  | 9  | 11 | 12 | 12 | 12 | 12 | 13 | 14 | 15 | 15 | 16 | 16 | 15 | 13 | 10 | 6  | 2   | 188 | 7.8 |    | 17:27 | 16  | *     | *  | *  | *  | *  | *  | 1:19 | -7    | *     | *     | *  | * | * | * |   |  |
| 28 | -2   | -4 | -4 | -4 | -2 | 0  | 3  | 6  | 9  | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 17 | 17 | 17 | 16 | 14 | 12 | 9  | 6   | 208 | 8.7 |    | 16:24 | 17  | *     | *  | *  | *  | *  | *  | 2:5  | -4    | *     | *     | *  | * | * | * |   |  |
| 29 | 2    | 0  | -2 | -2 | -2 | 0  | 2  | 4  | 6  | 9  | 11 | 12 | 14 | 16 | 17 | 18 | 19 | 18 | 18 | 16 | 15 | 13 | 11 | 9   | 224 | 9.3 | U  | 16:11 | #19 | *     | *  | *  | *  | *  | *  | 3:0  | -2    | *     | *     | *  | * | * | * |   |  |
| 30 | 6    | 4  | 2  | 0  | 0  | 0  | 1  | 2  | 4  | 6  | 8  | 11 | 13 | 15 | 17 | 18 | 18 | 18 | 17 | 16 | 15 | 13 | 12 | 11  | 227 | 9.5 |    | 16:13 | 18  | *     | *  | *  | *  | *  | *  | 4:16 | 0     | *     | *     | *  | * | * | * |   |  |
| 31 | 9    | 7  | 5  | 3  | 1  | 1  | 0  | 1  | 2  | 3  | 6  | 8  | 11 | 14 | 15 | 17 | 17 | 17 | 16 | 15 | 14 | 13 | 12 | 11  | 218 | 9.1 |    | 16:9  | 17  | *     | *  | *  | *  | *  | *  | 5:54 | 0     | *     | *     | *  | * | * | * |   |  |

| N   | Sum  | Mean | 推算月最高潮位 |       |       | 推算月最低潮位     |    |    |            |    |    |
|-----|------|------|---------|-------|-------|-------------|----|----|------------|----|----|
|     |      |      | 総回数     | 推算月合計 | 推算月平均 | 起時          | 潮位 | 回数 | 起時         | 潮位 | 回数 |
| 744 | 4792 | 6.4  |         |       |       | 29日 16時 11分 | 19 | 2  | 20日 9時 33分 | -9 | 1  |

# 推算潮位 (毎時・満干潮)

地点名: 留萌

緯度: 43 °57 N

経度: 141 °38 E

潮位表基準面の零点: 平均海面下 16.0(cm)

2023 年 4 月

| 日  | 毎時潮位 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 日合計 |     | 日平均  |    | 月     |     | 満潮    |    |    |    |    |    |      |       | 干潮    |       |       |    |   |   |   |   |
|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|------|----|-------|-----|-------|----|----|----|----|----|------|-------|-------|-------|-------|----|---|---|---|---|
|    | 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23  | 時刻  | 潮位   | 時刻 | 潮位    | 時刻  | 潮位    | 時刻 | 潮位 | 時刻 | 潮位 | 時刻 | 潮位   | 時刻    | 潮位    | 時刻    | 潮位    |    |   |   |   |   |
| 1  | 10   | 9  | 8  | 6  | 3  | 2  | 0  | 0  | 0  | 1  | 3  | 6  | 9  | 11 | 14 | 15 | 15 | 15 | 14 | 13 | 12 | 11 | 10 | 10  | 197 | 8.2  |    | 16:0  | 15  | *     | *  | *  | *  | *  | *  | *    | 7:14  | 0     | *     | *     | *  | * | * | * |   |
| 2  | 11   | 10 | 9  | 8  | 5  | 3  | 1  | -1 | -2 | -1 | 0  | 3  | 6  | 9  | 11 | 13 | 13 | 13 | 12 | 10 | 9  | 8  | 8  | 8   | 166 | 6.9  |    | 15:55 | 13  | *     | *  | *  | *  | *  | *  | *    | 8:9   | -2    | 21:42 | 8     | *  | * | * | * |   |
| 3  | 9    | 10 | 10 | 9  | 7  | 5  | 2  | -1 | -2 | -3 | -2 | 0  | 3  | 7  | 9  | 11 | 12 | 11 | 9  | 7  | 6  | 5  | 5  | 5   | 134 | 5.6  |    | 1:37  | 10  | 15:55 | 12 | *  | *  | *  | *  | *    | *     | 8:51  | -3    | 21:40 | 4  | * | * | * | * |
| 4  | 7    | 9  | 10 | 10 | 9  | 7  | 4  | 0  | -2 | -3 | -3 | -2 | 1  | 5  | 8  | 10 | 10 | 10 | 8  | 5  | 3  | 2  | 1  | 2   | 111 | 4.6  |    | 2:36  | 11  | 15:59 | 10 | *  | *  | *  | *  | *    | *     | 9:27  | -3    | 21:52 | 1  | * | * | * | * |
| 5  | 4    | 7  | 9  | 11 | 11 | 9  | 6  | 2  | -1 | -2 | -3 | -2 | 0  | 3  | 7  | 9  | 10 | 9  | 7  | 4  | 1  | -1 | -2 | -1  | 97  | 4.0  |    | 3:26  | 11  | 16:6  | 10 | *  | *  | *  | *  | *    | *     | 9:58  | -3    | 22:10 | -2 | * | * | * | * |
| 6  | 1    | 4  | 8  | 11 | 12 | 11 | 9  | 5  | 2  | 0  | -2 | -1 | 0  | 3  | 6  | 9  | 10 | 10 | 7  | 4  | 0  | -2 | -4 | -4  | 99  | 4.1  | F  | 4:12  | 12  | 16:15 | 10 | *  | *  | *  | *  | *    | 10:26 | -2    | 22:32 | -4    | *  | * | * | * |   |
| 7  | -2   | 1  | 5  | 9  | 12 | 13 | 12 | 9  | 6  | 3  | 1  | 1  | 2  | 4  | 7  | 9  | 11 | 11 | 9  | 5  | 1  | -3 | -5 | -6  | 115 | 4.8  |    | 4:57  | 13  | 16:25 | 11 | *  | *  | *  | *  | *    | 10:52 | 1     | 22:58 | -6    | *  | * | * | * |   |
| 8  | -5   | -2 | 2  | 7  | 11 | 14 | 15 | 13 | 10 | 7  | 5  | 4  | 5  | 6  | 8  | 11 | 12 | 13 | 11 | 7  | 3  | -2 | -5 | -7  | 143 | 6.0  |    | 5:43  | 15  | 16:34 | 13 | *  | *  | *  | *  | *    | 11:15 | 4     | 23:27 | #-7   | *  | * | * | * |   |
| 9  | -7   | -5 | -1 | 4  | 9  | 13 | 16 | 16 | 14 | 11 | 9  | 9  | 9  | 9  | 11 | 13 | 14 | 15 | 13 | 10 | 6  | 1  | -4 | -6  | 179 | 7.5  |    | 6:32  | 16  | 16:44 | 15 | *  | *  | *  | *  | *    | 11:31 | 8     | *     | *     | *  | * | * | * |   |
| 10 | -7   | -6 | -4 | 1  | 6  | 11 | 15 | 17 | 17 | 15 | 14 | 13 | 13 | 13 | 14 | 15 | 17 | 17 | 16 | 14 | 9  | 4  | -1 | -4  | 219 | 9.1  |    | 7:27  | 17  | 16:50 | 17 | *  | *  | *  | *  | *    | 0:2   | #-7   | 11:34 | 13    | *  | * | * | * |   |
| 11 | -6   | -6 | -5 | -2 | 2  | 7  | 12 | 15 | 17 | 17 | 17 | 16 | 16 | 16 | 17 | 18 | 19 | 19 | 18 | 16 | 13 | 9  | 4  | -1  | 248 | 10.3 |    | 8:36  | 18  | 16:50 | 19 | *  | *  | *  | *  | *    | 0:44  | -6    | 11:29 | 16    | *  | * | * | * |   |
| 12 | -4   | -5 | -5 | -4 | -1 | 3  | 7  | 11 | 15 | 17 | 18 | 18 | 18 | 19 | 19 | 20 | 20 | 20 | 20 | 18 | 16 | 13 | 8  | 4   | 265 | 11.0 |    | 16:31 | 20  | *     | *  | *  | *  | *  | *  | 1:36 | -5    | *     | *     | *     | *  | * | * |   |   |
| 13 | 0    | -2 | -3 | -4 | -3 | -1 | 2  | 6  | 10 | 14 | 16 | 17 | 18 | 19 | 20 | 21 | 21 | 21 | 20 | 19 | 17 | 15 | 12 | 9   | 264 | 11.0 | L  | 16:7  | 21  | *     | *  | *  | *  | *  | *  | 2:44 | -4    | *     | *     | *     | *  | * | * |   |   |
| 14 | 5    | 2  | 0  | -2 | -3 | -2 | -1 | 1  | 5  | 9  | 12 | 15 | 17 | 18 | 19 | 19 | 20 | 19 | 19 | 18 | 17 | 16 | 14 | 12  | 249 | 10.4 |    | 15:58 | 20  | *     | *  | *  | *  | *  | *  | 4:16 | -3    | *     | *     | *     | *  | * | * |   |   |
| 15 | 10   | 7  | 4  | 2  | -1 | -2 | -2 | -2 | 0  | 3  | 7  | 11 | 14 | 16 | 17 | 17 | 17 | 17 | 16 | 15 | 14 | 14 | 14 | 14  | 222 | 9.3  |    | 15:3  | 17  | *     | *  | *  | *  | *  | *  | 6:0  | -2    | *     | *     | *     | *  | * | * |   |   |
| 16 | 13   | 11 | 9  | 6  | 3  | 0  | -2 | -3 | -2 | -1 | 3  | 7  | 11 | 13 | 15 | 15 | 14 | 13 | 12 | 11 | 10 | 10 | 11 | 12  | 191 | 8.0  |    | 14:37 | 15  | *     | *  | *  | *  | *  | *  | 7:22 | -3    | 20:37 | 10    | *     | *  | * | * |   |   |
| 17 | 13   | 13 | 12 | 10 | 7  | 4  | 1  | -1 | -3 | -2 | 0  | 3  | 7  | 11 | 13 | 14 | 12 | 10 | 8  | 7  | 6  | 5  | 6  | 9   | 165 | 6.9  |    | 0:42  | 14  | 14:44 | 14 | *  | *  | *  | *  | *    | 8:23  | -3    | 20:41 | 5     | *  | * | * | * |   |
| 18 | 11   | 13 | 14 | 14 | 12 | 8  | 5  | 2  | -1 | -2 | -1 | 1  | 5  | 9  | 12 | 13 | 12 | 9  | 6  | 3  | 1  | 1  | 1  | 3   | 151 | 6.3  |    | 2:9   | 14  | 15:1  | 13 | *  | *  | *  | *  | *    | 9:13  | -2    | 21:4  | 1     | *  | * | * | * |   |
| 19 | 7    | 11 | 14 | 15 | 15 | 13 | 9  | 6  | 3  | 1  | 0  | 1  | 4  | 8  | 11 | 13 | 13 | 10 | 6  | 2  | -1 | -3 | -3 | -2  | 153 | 6.4  |    | 3:18  | 15  | 15:22 | 13 | *  | *  | *  | *  | *    | 9:56  | 0     | 21:36 | -3    | *  | * | * | * |   |
| 20 | 2    | 6  | 11 | 15 | 16 | 16 | 14 | 10 | 7  | 5  | 4  | 4  | 5  | 8  | 12 | 14 | 14 | 13 | 8  | 3  | -2 | -5 | -6 | -5  | 169 | 7.0  | N  | 4:18  | 16  | 15:44 | 14 | *  | *  | *  | *  | *    | 10:33 | 4     | 22:13 | -6    | *  | * | * | * |   |
| 21 | -3   | 2  | 7  | 12 | 16 | 17 | 17 | 14 | 12 | 9  | 8  | 7  | 8  | 10 | 12 | 15 | 16 | 15 | 12 | 7  | 1  | -4 | -6 | -7  | 197 | 8.2  |    | 5:14  | 17  | 16:7  | 16 | *  | *  | *  | *  | *    | 11:6  | 7     | 22:50 | #-7   | *  | * | * | * |   |
| 22 | -6   | -2 | 3  | 8  | 13 | 17 | 18 | 17 | 15 | 14 | 12 | 12 | 12 | 12 | 14 | 16 | 18 | 17 | 15 | 11 | 5  | -1 | -4 | -6  | 230 | 9.6  |    | 6:7   | 18  | 16:26 | 18 | *  | *  | *  | *  | *    | 11:33 | 12    | 23:29 | -6    | *  | * | * | * |   |
| 23 | -6   | -4 | 0  | 5  | 10 | 15 | 18 | 19 | 18 | 17 | 16 | 15 | 15 | 16 | 17 | 18 | 19 | 19 | 18 | 14 | 10 | 4  | -1 | -4  | 268 | 11.2 |    | 7:2   | 19  | 16:38 | 19 | *  | *  | *  | *  | *    | 11:38 | 15    | *     | *     | *  | * | * | * |   |
| 24 | -5   | -4 | -2 | 3  | 7  | 12 | 16 | 18 | 19 | 19 | 18 | 18 | 18 | 19 | 19 | 20 | 20 | 20 | 19 | 17 | 13 | 9  | 4  | 0   | 297 | 12.4 |    | 8:6   | 19  | 16:33 | 20 | *  | *  | *  | *  | *    | 0:7   | -5    | 10:42 | 18    | *  | * | * | * |   |
| 25 | -2   | -3 | -1 | 1  | 5  | 9  | 13 | 16 | 18 | 19 | 19 | 20 | 20 | 21 | 21 | 21 | 22 | 21 | 20 | 19 | 16 | 12 | 8  | 4   | 319 | 13.3 |    | 15:49 | #22 | *     | *  | *  | *  | *  | *  | 0:48 | -3    | *     | *     | *     | *  | * | * |   |   |
| 26 | 1    | 0  | 0  | 1  | 4  | 7  | 10 | 13 | 16 | 18 | 19 | 20 | 20 | 21 | 22 | 22 | 22 | 21 | 21 | 19 | 17 | 15 | 11 | 8   | 328 | 13.7 |    | 15:16 | #22 | *     | *  | *  | *  | *  | *  | 1:31 | 0     | *     | *     | *     | *  | * | * |   |   |
| 27 | 5    | 3  | 2  | 2  | 3  | 5  | 8  | 10 | 13 | 15 | 17 | 18 | 20 | 20 | 21 | 21 | 21 | 21 | 20 | 19 | 17 | 15 | 13 | 11  | 320 | 13.3 |    | 15:12 | 21  | *     | *  | *  | *  | *  | *  | 2:22 | 2     | *     | *     | *     | *  | * | * |   |   |
| 28 | 8    | 6  | 4  | 3  | 3  | 4  | 6  | 8  | 10 | 12 | 14 | 16 | 18 | 19 | 20 | 20 | 20 | 19 | 18 | 17 | 16 | 15 | 13 | 12  | 301 | 12.5 | U  | 15:2  | 20  | *     | *  | *  | *  | *  | *  | 3:24 | 3     | *     | *     | *     | *  | * | * |   |   |
| 29 | 10   | 8  | 6  | 5  | 4  | 3  | 4  | 5  | 7  | 9  | 11 | 14 | 15 | 17 | 17 | 18 | 17 | 16 | 15 | 14 | 13 | 13 | 12 | 12  | 265 | 11.0 |    | 14:47 | 18  | *     | *  | *  | *  | *  | *  | 4:42 | 3     | *     | *     | *     | *  | * | * |   |   |
| 30 | 11   | 10 | 8  | 6  | 5  | 4  | 3  | 4  | 5  | 6  | 9  | 11 | 13 | 15 | 15 | 15 | 15 | 14 | 12 | 11 | 10 | 10 | 10 | 11  | 233 | 9.7  |    | 14:35 | 16  | *     | *  | *  | *  | *  | *  | 6:3  | 3     | 21:1  | 10    | *     | *  | * | * |   |   |

| N<br>総回数 | Sum<br>推算月合計 | Mean<br>推算月平均 | 推算月最高潮位     |    |    | 推算月最低潮位     |    |    |
|----------|--------------|---------------|-------------|----|----|-------------|----|----|
|          |              |               | 起時          | 潮位 | 回数 | 起時          | 潮位 | 回数 |
| 720      | 6295         | 8.7           | 26日 15時 16分 | 22 | 2  | 21日 22時 50分 | -7 | 3  |

# 推算潮位 (毎時・満干潮)

地点名: 留萌

緯度: 43 °57 N

経度: 141 °38 E

潮位表基準面の零点: 平均海面下 16.0(cm)

2023 年 5 月

| 日  | 毎時潮位 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 日合計 |      | 日平均  |       | 月     |    | 満潮    |    |    |      |      |    |       |    | 干潮    |     |    |   |   |   |  |  |
|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|------|------|-------|-------|----|-------|----|----|------|------|----|-------|----|-------|-----|----|---|---|---|--|--|
|    | 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23  | 時刻   | 潮位   | 時刻    | 潮位    | 時刻 | 潮位    | 時刻 | 潮位 | 時刻   | 潮位   | 時刻 | 潮位    | 時刻 | 潮位    | 時刻  | 潮位 |   |   |   |  |  |
| 1  | 11   | 11 | 10 | 8  | 6  | 5  | 3  | 3  | 3  | 4  | 6  | 9  | 11 | 13 | 14 | 14 | 13 | 11 | 10 | 8  | 7  | 7  | 7  | 9   | 203  | 8.5  |       | 0:4   | 11 | 14:28 | 14 | *  | *    | *    | *  | 7:8   | 3  | 20:49 | 7   | *  | * | * | * |  |  |
| 2  | 10   | 11 | 11 | 10 | 8  | 7  | 5  | 4  | 3  | 4  | 5  | 7  | 10 | 12 | 13 | 13 | 12 | 10 | 8  | 6  | 4  | 4  | 4  | 6   | 187  | 7.8  |       | 1:31  | 11 | 14:28 | 13 | *  | *    | *    | *  | 7:57  | 3  | 20:57 | 4   | *  | * | * | * |  |  |
| 3  | 8    | 11 | 12 | 12 | 11 | 9  | 7  | 5  | 4  | 4  | 5  | 7  | 9  | 12 | 13 | 13 | 12 | 9  | 6  | 4  | 2  | 1  | 1  | 3   | 180  | 7.5  |       | 2:34  | 12 | 14:33 | 13 | *  | *    | *    | *  | 8:38  | 4  | 21:13 | 1   | *  | * | * | * |  |  |
| 4  | 6    | 10 | 13 | 14 | 14 | 13 | 10 | 8  | 7  | 6  | 6  | 8  | 10 | 12 | 14 | 14 | 13 | 10 | 7  | 3  | 0  | -1 | -1 | 0   | 196  | 8.2  |       | 3:27  | 14 | 14:42 | 14 | *  | *    | *    | *  | 9:14  | 6  | 21:35 | -1  | *  | * | * | * |  |  |
| 5  | 4    | 8  | 12 | 15 | 17 | 16 | 15 | 12 | 10 | 9  | 9  | 10 | 12 | 14 | 15 | 16 | 15 | 12 | 8  | 4  | 0  | -2 | -3 | -2  | 226  | 9.4  |       | 4:16  | 17 | 14:54 | 16 | *  | *    | *    | *  | 9:47  | 9  | 22:1  | -3  | *  | * | * | * |  |  |
| 6  | 1    | 6  | 11 | 16 | 19 | 20 | 19 | 17 | 15 | 13 | 13 | 13 | 14 | 16 | 18 | 18 | 18 | 16 | 12 | 6  | 2  | -2 | -4 | -4  | 273  | 11.4 | F     | 5:3   | 20 | 15:9  | 18 | *  | *    | *    | *  | 10:19 | 13 | 22:32 | #-4 | *  | * | * | * |  |  |
| 7  | -2   | 2  | 8  | 14 | 19 | 22 | 23 | 21 | 19 | 18 | 17 | 17 | 17 | 18 | 20 | 21 | 21 | 19 | 16 | 10 | 5  | 0  | -3 | -4  | 318  | 13.3 |       | 5:50  | 23 | 15:26 | 21 | *  | *    | *    | *  | 10:45 | 17 | 23:10 | #-4 | *  | * | * | * |  |  |
| 8  | -4   | -1 | 4  | 10 | 16 | 21 | 24 | 24 | 23 | 21 | 21 | 20 | 20 | 21 | 22 | 23 | 24 | 23 | 20 | 15 | 9  | 4  | -1 | -3  | 356  | 14.8 |       | 6:42  | 24 | 15:45 | 24 | *  | *    | *    | *  | 11:0  | 20 | 23:53 | #-4 | *  | * | * | * |  |  |
| 9  | -4   | -3 | 1  | 6  | 12 | 18 | 22 | 25 | 25 | 24 | 23 | 23 | 23 | 24 | 24 | 25 | 25 | 25 | 23 | 19 | 14 | 9  | 3  | 0   | 386  | 16.1 |       | 7:40  | 25 | 16:3  | 25 | *  | *    | *    | *  | 11:1  | 23 | *     | *   | *  | * | * | * |  |  |
| 10 | -2   | -3 | -1 | 2  | 7  | 13 | 18 | 22 | 24 | 25 | 24 | 24 | 24 | 25 | 25 | 26 | 26 | 26 | 25 | 22 | 19 | 14 | 9  | 4   | 398  | 16.6 |       | 16:17 | 26 | *     | *  | *  | *    | 0:44 | -3 | *     | *  | *     | *   | *  | * |   |   |  |  |
| 11 | 1    | -1 | -1 | 0  | 3  | 7  | 12 | 17 | 21 | 23 | 24 | 24 | 24 | 24 | 25 | 25 | 25 | 25 | 25 | 23 | 21 | 18 | 13 | 9   | 387  | 16.1 |       | 16:7  | 25 | *     | *  | *  | *    | 1:43 | -2 | *     | *  | *     | *   | *  | * |   |   |  |  |
| 12 | 5    | 2  | 1  | 0  | 1  | 3  | 7  | 11 | 15 | 19 | 21 | 22 | 22 | 23 | 23 | 23 | 23 | 23 | 22 | 22 | 21 | 19 | 17 | 13  | 358  | 14.9 | L     | 15:11 | 23 | *     | *  | *  | *    | 2:52 | 0  | *     | *  | *     | *   | *  | * |   |   |  |  |
| 13 | 10   | 7  | 4  | 2  | 2  | 2  | 4  | 6  | 10 | 14 | 17 | 19 | 20 | 20 | 20 | 20 | 20 | 19 | 19 | 18 | 18 | 18 | 17 | 16  | 322  | 13.4 |       | 12:53 | 20 | *     | *  | *  | *    | 4:12 | 2  | *     | *  | *     | *   | *  | * |   |   |  |  |
| 14 | 14   | 11 | 8  | 6  | 4  | 3  | 3  | 4  | 7  | 10 | 13 | 16 | 18 | 18 | 18 | 17 | 16 | 15 | 14 | 14 | 14 | 14 | 15 | 16  | 288  | 12.0 |       | 12:53 | 18 | 23:18 | 16 | *  | *    | *    | *  | 5:36  | 3  | 19:22 | 14  | *  | * | * | * |  |  |
| 15 | 16   | 15 | 12 | 10 | 8  | 6  | 5  | 5  | 5  | 7  | 11 | 14 | 16 | 17 | 17 | 15 | 13 | 11 | 10 | 9  | 9  | 10 | 11 | 13  | 265  | 11.0 |       | 13:9  | 17 | *     | *  | *  | *    | 6:50 | 4  | 19:41 | 9  | *     | *   | *  | * |   |   |  |  |
| 16 | 15   | 16 | 16 | 14 | 12 | 10 | 8  | 7  | 7  | 7  | 10 | 12 | 15 | 17 | 17 | 15 | 12 | 9  | 7  | 5  | 4  | 5  | 6  | 9   | 255  | 10.6 |       | 1:8   | 16 | 13:28 | 17 | *  | *    | *    | *  | 7:52  | 7  | 20:11 | 4   | *  | * | * | * |  |  |
| 17 | 13   | 16 | 17 | 17 | 16 | 14 | 12 | 11 | 10 | 10 | 10 | 13 | 15 | 17 | 18 | 17 | 14 | 10 | 6  | 3  | 1  | 1  | 2  | 5   | 268  | 11.2 |       | 2:34  | 17 | 13:50 | 18 | *  | *    | *    | *  | 8:43  | 9  | 20:44 | 1   | *  | * | * | * |  |  |
| 18 | 9    | 13 | 17 | 19 | 19 | 18 | 16 | 15 | 14 | 13 | 13 | 14 | 16 | 18 | 20 | 19 | 17 | 12 | 8  | 3  | 0  | -1 | -1 | 1   | 292  | 12.2 |       | 3:44  | 19 | 14:14 | 20 | *  | *    | *    | *  | 9:28  | 13 | 21:19 | -1  | *  | * | * | * |  |  |
| 19 | 5    | 10 | 15 | 19 | 21 | 21 | 20 | 19 | 18 | 17 | 17 | 17 | 18 | 20 | 21 | 22 | 20 | 16 | 11 | 6  | 2  | -1 | -2 | -1  | 331  | 13.8 |       | 4:43  | 21 | 14:39 | 22 | *  | *    | *    | *  | 10:7  | 17 | 21:55 | -2  | *  | * | * | * |  |  |
| 20 | 3    | 7  | 13 | 18 | 21 | 23 | 24 | 23 | 21 | 21 | 20 | 20 | 21 | 22 | 23 | 24 | 23 | 20 | 16 | 10 | 5  | 1  | -1 | -1  | 377  | 15.7 | N     | 5:36  | 24 | 15:2  | 24 | *  | *    | *    | *  | 10:41 | 20 | 22:31 | -1  | *  | * | * | * |  |  |
| 21 | 1    | 5  | 10 | 16 | 20 | 24 | 25 | 25 | 24 | 24 | 23 | 23 | 23 | 24 | 25 | 26 | 25 | 24 | 20 | 15 | 10 | 5  | 1  | 0   | 418  | 17.4 |       | 6:26  | 25 | 15:23 | 26 | *  | *    | *    | *  | 11:2  | 23 | 23:8  | 0   | *  | * | * | * |  |  |
| 22 | 1    | 4  | 8  | 13 | 18 | 23 | 25 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 27 | 27 | 27 | 26 | 24 | 20 | 14 | 9  | 5  | 2   | 453  | 18.9 |       | 7:18  | 27 | 15:37 | 27 | *  | *    | *    | *  | 10:39 | 25 | 23:47 | 2   | *  | * | * | * |  |  |
| 23 | 2    | 3  | 6  | 11 | 16 | 20 | 24 | 26 | 27 | 27 | 27 | 27 | 27 | 27 | 28 | 28 | 27 | 25 | 23 | 18 | 13 | 9  | 5  | 473 | 19.7 |      | 15:39 | #28   | *  | *     | *  | *  | *    | *    | *  | *     | *  | *     | *   | *  | * |   |   |  |  |
| 24 | 4    | 4  | 6  | 9  | 13 | 17 | 21 | 24 | 26 | 26 | 26 | 26 | 27 | 27 | 27 | 27 | 27 | 26 | 24 | 21 | 17 | 12 | 9  | 473 | 19.7 |      | 15:20 | 27    | *  | *     | *  | *  | 0:28 | 3    | *  | *     | *  | *     | *   | *  | * |   |   |  |  |
| 25 | 6    | 5  | 5  | 7  | 10 | 14 | 18 | 21 | 23 | 24 | 25 | 25 | 26 | 26 | 26 | 26 | 26 | 25 | 24 | 21 | 18 | 15 | 11 | 453 | 18.9 |      | 14:46 | 26    | *  | *     | *  | *  | 1:11 | 5    | *  | *     | *  | *     | *   | *  | * |   |   |  |  |
| 26 | 8    | 6  | 6  | 7  | 8  | 11 | 14 | 17 | 20 | 22 | 23 | 23 | 24 | 24 | 24 | 24 | 24 | 23 | 23 | 22 | 21 | 19 | 16 | 13  | 422  | 17.6 |       | 13:58 | 24 | *     | *  | *  | *    | 1:57 | 6  | *     | *  | *     | *   | *  | * | * |   |  |  |
| 27 | 11   | 8  | 7  | 7  | 7  | 9  | 11 | 14 | 16 | 19 | 20 | 21 | 22 | 22 | 22 | 21 | 21 | 20 | 20 | 19 | 18 | 18 | 16 | 14  | 383  | 16.0 |       | 13:6  | 22 | *     | *  | *  | *    | 2:46 | 7  | *     | *  | *     | *   | *  | * | * |   |  |  |
| 28 | 12   | 10 | 8  | 7  | 7  | 8  | 10 | 12 | 14 | 16 | 18 | 19 | 20 | 20 | 19 | 19 | 18 | 17 | 16 | 16 | 15 | 15 | 15 | 15  | 346  | 14.4 | U     | 12:41 | 20 | *     | *  | *  | *    | 3:37 | 7  | *     | *  | *     | *   | *  | * | * |   |  |  |
| 29 | 13   | 12 | 10 | 9  | 8  | 8  | 9  | 10 | 12 | 14 | 16 | 17 | 18 | 18 | 18 | 17 | 15 | 14 | 13 | 12 | 12 | 13 | 13 | 14  | 315  | 13.1 |       | 12:34 | 18 | 23:43 | 14 | *  | *    | *    | *  | 4:32  | 8  | 19:43 | 12  | *  | * | * | * |  |  |
| 30 | 14   | 14 | 12 | 11 | 10 | 10 | 10 | 10 | 12 | 13 | 15 | 17 | 18 | 18 | 17 | 16 | 14 | 12 | 10 | 9  | 9  | 10 | 11 | 13  | 305  | 12.7 |       | 12:37 | 18 | *     | *  | *  | *    | 5:29 | 10 | 19:50 | 9  | *     | *   | *  | * |   |   |  |  |
| 31 | 14   | 15 | 15 | 14 | 13 | 12 | 12 | 12 | 13 | 14 | 15 | 17 | 18 | 18 | 17 | 16 | 13 | 11 | 9  | 7  | 6  | 7  | 9  | 11  | 308  | 12.8 |       | 1:19  | 15 | 12:44 | 18 | *  | *    | *    | *  | 6:27  | 12 | 20:9  | 6   | *  | * | * | * |  |  |

| N   | Sum   | Mean | 推算月最高潮位     |       |       | 推算月最低潮位    |    |    |
|-----|-------|------|-------------|-------|-------|------------|----|----|
|     |       |      | 総回数         | 推算月合計 | 推算月平均 | 起時         | 潮位 | 回数 |
| 744 | 10215 | 13.7 | 23日 15時 39分 | 28    | 1     | 8日 23時 53分 | -4 | 3  |

# 推算潮位 (毎時・満干潮)

地点名: 留萌

緯度: 43 °57 N

経度: 141 °38 E

潮位表基準面の零点: 平均海面下 16.0(cm)

2023 年 6 月

| 日  | 毎時潮位 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 日合計 |      | 日平均  |       | 月     |       | 満潮    |     |    |    |       |       |       |       | 干潮    |    |    |   |   |   |  |  |
|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|------|------|-------|-------|-------|-------|-----|----|----|-------|-------|-------|-------|-------|----|----|---|---|---|--|--|
|    | 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23  | 時刻   | 潮位   | 時刻    | 潮位    | 時刻    | 潮位    | 時刻  | 潮位 | 時刻 | 潮位    | 時刻    | 潮位    | 時刻    | 潮位    | 時刻 | 潮位 |   |   |   |  |  |
| 1  | 14   | 16 | 17 | 18 | 17 | 16 | 15 | 15 | 15 | 16 | 17 | 18 | 19 | 20 | 19 | 17 | 14 | 11 | 8  | 6  | 4  | 4  | 6  | 9   | 331  | 13.8 |       | 2:35  | 18    | 12:55 | 20  | *  | *  | *     | *     | 7:22  | 15    | 20:32 | 4  | *  | * | * | * |  |  |
| 2  | 13   | 17 | 20 | 21 | 21 | 20 | 19 | 19 | 18 | 18 | 19 | 20 | 22 | 22 | 22 | 20 | 17 | 13 | 9  | 6  | 3  | 3  | 3  | 6   | 371  | 15.5 |       | 3:35  | 21    | 13:11 | 22  | *  | *  | *     | *     | 8:14  | 18    | 21:1  | 3  | *  | * | * | * |  |  |
| 3  | 11   | 16 | 20 | 24 | 25 | 25 | 24 | 23 | 22 | 22 | 22 | 23 | 24 | 25 | 25 | 24 | 21 | 17 | 12 | 7  | 4  | 2  | 2  | 3   | 423  | 17.6 |       | 4:26  | 25    | 13:33 | 25  | *  | *  | *     | *     | 9:1   | 22    | 21:36 | 1  | *  | * | * | * |  |  |
| 4  | 8    | 13 | 19 | 24 | 27 | 29 | 28 | 27 | 26 | 26 | 26 | 27 | 28 | 28 | 28 | 25 | 22 | 16 | 11 | 6  | 2  | 1  | 1  | 474 | 19.8 | F    | 5:14  | 29    | 14:1  | 28    | *   | *  | *  | *     | 9:40  | 26    | 22:17 | 1     | *  | *  | * | * |   |  |  |
| 5  | 4    | 9  | 15 | 22 | 27 | 30 | 31 | 31 | 30 | 29 | 29 | 29 | 29 | 30 | 31 | 31 | 30 | 27 | 22 | 16 | 10 | 5  | 2  | 0   | 519  | 21.6 |       | 6:2   | 31    | 14:35 | 31  | *  | *  | *     | *     | 10:5  | 29    | 23:4  | #0 | *  | * | * | * |  |  |
| 6  | 1    | 5  | 10 | 17 | 24 | 29 | 32 | 32 | 32 | 31 | 30 | 30 | 31 | 31 | 32 | 33 | 32 | 30 | 27 | 21 | 15 | 9  | 4  | 2   | 540  | 22.5 |       | 6:53  | 32    | 15:14 | #33 | *  | *  | *     | *     | 10:19 | 30    | 23:55 | 1  | *  | * | * | * |  |  |
| 7  | 1    | 2  | 6  | 11 | 18 | 24 | 29 | 31 | 32 | 31 | 31 | 30 | 31 | 31 | 32 | 33 | 33 | 32 | 30 | 26 | 21 | 15 | 9  | 5   | 544  | 22.7 |       | 7:48  | 32    | 15:59 | #33 | *  | *  | *     | *     | 10:40 | 30    | *     | *  | *  | * | * | * |  |  |
| 8  | 2    | 1  | 3  | 7  | 12 | 18 | 24 | 28 | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 31 | 31 | 32 | 31 | 29 | 25 | 20 | 14 | 9   | 525  | 21.9 |       | 8:45  | 30    | 16:51 | 32  | *  | *  | *     | *     | 0:51  | 1     | 11:17 | 29 | *  | * | * | * |  |  |
| 9  | 6    | 3  | 3  | 4  | 7  | 12 | 18 | 22 | 26 | 27 | 28 | 27 | 27 | 27 | 27 | 28 | 28 | 29 | 28 | 26 | 23 | 19 | 14 | 486 | 20.3 |      | 9:40  | 28    | 17:55 | 29    | *   | *  | *  | *     | 1:49  | 3     | 12:30 | 27    | *  | *  | * | * |   |  |  |
| 10 | 10   | 7  | 5  | 5  | 6  | 9  | 13 | 17 | 21 | 24 | 25 | 25 | 24 | 24 | 23 | 23 | 23 | 24 | 24 | 25 | 25 | 24 | 21 | 18  | 445  | 18.5 |       | 10:23 | 25    | 19:26 | 25  | *  | *  | *     | *     | 2:49  | 5     | 15:34 | 23 | *  | * | * | * |  |  |
| 11 | 15   | 12 | 9  | 8  | 7  | 8  | 10 | 14 | 17 | 21 | 23 | 23 | 23 | 21 | 20 | 19 | 19 | 18 | 19 | 19 | 20 | 21 | 20 | 407 | 17.0 | L    | 10:56 | 23    | 21:35 | 21    | *   | *  | *  | *     | 3:50  | 7     | 17:11 | 18    | *  | *  | * | * |   |  |  |
| 12 | 18   | 16 | 14 | 12 | 11 | 11 | 11 | 13 | 16 | 18 | 21 | 22 | 22 | 21 | 19 | 17 | 15 | 14 | 14 | 14 | 15 | 16 | 18 | 19  | 387  | 16.1 |       | 11:23 | 22    | 23:43 | 20  | *  | *  | *     | *     | 4:53  | 10    | 18:15 | 14 | *  | * | * | * |  |  |
| 13 | 19   | 19 | 17 | 16 | 15 | 14 | 14 | 15 | 16 | 18 | 20 | 22 | 22 | 21 | 19 | 16 | 14 | 12 | 10 | 9  | 10 | 11 | 14 | 17  | 380  | 15.8 |       | 11:49 | 22    | *     | *   | *  | *  | 5:56  | 14    | 19:5  | 9     | *     | *  | *  | * |   |   |  |  |
| 14 | 19   | 20 | 20 | 20 | 19 | 19 | 18 | 18 | 18 | 19 | 21 | 23 | 24 | 23 | 21 | 18 | 14 | 11 | 9  | 7  | 7  | 8  | 10 | 13  | 399  | 16.6 |       | 1:47  | 20    | 12:14 | 24  | *  | *  | *     | *     | 7:1   | 18    | 19:49 | 7  | *  | * | * | * |  |  |
| 15 | 17   | 20 | 22 | 23 | 23 | 23 | 22 | 22 | 22 | 22 | 23 | 24 | 25 | 25 | 24 | 21 | 17 | 13 | 9  | 7  | 5  | 5  | 7  | 10  | 431  | 18.0 |       | 3:49  | 23    | 12:39 | 26  | *  | *  | *     | *     | 8:7   | 22    | 20:28 | 5  | *  | * | * | * |  |  |
| 16 | 14   | 19 | 22 | 24 | 26 | 26 | 26 | 26 | 26 | 25 | 26 | 26 | 27 | 28 | 27 | 25 | 22 | 17 | 12 | 8  | 6  | 5  | 6  | 8   | 477  | 19.9 |       | 5:8   | 26    | 13:6  | 28  | *  | *  | *     | *     | 9:8   | 25    | 21:5  | 5  | *  | * | * | * |  |  |
| 17 | 12   | 17 | 21 | 25 | 28 | 29 | 29 | 29 | 29 | 28 | 28 | 29 | 29 | 30 | 30 | 29 | 26 | 22 | 17 | 12 | 8  | 6  | 6  | 7   | 526  | 21.9 |       | 5:52  | 29    | 13:35 | 30  | *  | *  | *     | *     | 10:0  | 28    | 21:41 | 6  | *  | * | * | * |  |  |
| 18 | 10   | 15 | 20 | 25 | 28 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 32 | 31 | 30 | 26 | 22 | 16 | 11 | 8  | 7  | 566 | 23.6 | N    | 6:22  | 31    | 14:6  | 32    | *   | *  | *  | *     | 10:37 | 31    | 22:18 | 7     | *  | *  | * | * |   |  |  |
| 19 | 9    | 13 | 18 | 23 | 28 | 31 | 32 | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 33 | 32 | 30 | 26 | 21 | 15 | 11 | 8  | 7   | 595  | 24.8 |       | 6:50  | #33   | 14:39 | #33 | *  | *  | *     | *     | 10:22 | 32    | 22:56 | 7  | *  | * | * | * |  |  |
| 20 | 9    | 11 | 16 | 21 | 26 | 29 | 32 | 33 | 33 | 32 | 32 | 32 | 32 | 33 | 33 | 33 | 33 | 32 | 29 | 25 | 19 | 14 | 10 | 8   | 607  | 25.3 |       | 7:21  | #33   | 15:13 | #33 | *  | *  | *     | *     | 10:15 | 32    | 23:35 | 8  | *  | * | * | * |  |  |
| 21 | 8    | 10 | 13 | 18 | 23 | 27 | 30 | 32 | 32 | 32 | 32 | 31 | 32 | 32 | 32 | 33 | 33 | 32 | 30 | 27 | 23 | 18 | 13 | 10  | 603  | 25.1 |       | 7:55  | 32    | 15:48 | #33 | *  | *  | *     | *     | 10:41 | 31    | *     | *  | *  | * | * | * |  |  |
| 22 | 9    | 9  | 11 | 15 | 19 | 23 | 27 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 30 | 28 | 24 | 20 | 16 | 12  | 575  | 24.0 |       | 8:31  | 30    | 16:24 | 31  | *  | *  | *     | *     | 0:15  | 8     | 11:18 | 30 | *  | * | * | * |  |  |
| 23 | 9    | 9  | 10 | 12 | 16 | 20 | 23 | 26 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 | 25 | 21 | 18 | 14 | 538 | 22.4 |      | 9:8   | 28    | 17:0  | 28    | *   | *  | *  | *     | 0:55  | 9     | 12:25 | 28    | *  | *  | * | * |   |  |  |
| 24 | 11   | 9  | 9  | 11 | 13 | 17 | 20 | 23 | 25 | 26 | 26 | 26 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 24 | 22 | 19 | 16  | 497  | 20.7 |       | 9:38  | 26    | *     | *   | *  | *  | 1:33  | 9     | *     | *     | *     | *  | *  | * |   |   |  |  |
| 25 | 13   | 11 | 10 | 11 | 12 | 15 | 18 | 20 | 22 | 24 | 24 | 24 | 23 | 23 | 22 | 22 | 21 | 21 | 22 | 22 | 21 | 21 | 19 | 17  | 458  | 19.1 |       | 10:1  | 24    | *     | *   | *  | *  | 2:6   | 10    | *     | *     | *     | *  | *  | * |   |   |  |  |
| 26 | 15   | 13 | 12 | 12 | 12 | 14 | 16 | 19 | 21 | 22 | 23 | 23 | 22 | 21 | 20 | 19 | 19 | 18 | 18 | 18 | 19 | 19 | 19 | 18  | 432  | 18.0 | U     | 10:17 | 23    | 21:11 | 19  | *  | *  | *     | *     | 2:35  | 12    | 17:37 | 18 | *  | * | * | * |  |  |
| 27 | 17   | 15 | 14 | 14 | 14 | 15 | 17 | 19 | 20 | 22 | 23 | 23 | 22 | 21 | 19 | 18 | 16 | 15 | 15 | 15 | 16 | 17 | 18 | 19  | 424  | 17.7 |       | 10:30 | 23    | 23:21 | 19  | *  | *  | *     | *     | 2:56  | 14    | 18:14 | 15 | *  | * | * | * |  |  |
| 28 | 19   | 18 | 17 | 17 | 17 | 18 | 19 | 20 | 21 | 23 | 23 | 24 | 23 | 21 | 19 | 17 | 15 | 14 | 13 | 13 | 13 | 15 | 17 | 19  | 435  | 18.1 |       | 10:41 | 24    | *     | *   | *  | *  | 3:12  | 17    | 18:47 | 12    | *     | *  | *  | * |   |   |  |  |
| 29 | 20   | 21 | 21 | 21 | 21 | 21 | 22 | 22 | 23 | 24 | 25 | 25 | 25 | 23 | 21 | 18 | 16 | 13 | 12 | 11 | 11 | 12 | 15 | 18  | 461  | 19.2 |       | 10:54 | 25    | *     | *   | *  | *  | 19:19 | 11    | *     | *     | *     | *  | *  | * |   |   |  |  |
| 30 | 21   | 24 | 25 | 25 | 25 | 25 | 25 | 26 | 26 | 27 | 28 | 28 | 28 | 26 | 24 | 21 | 17 | 14 | 11 | 9  | 9  | 10 | 12 | 16  | 502  | 20.9 |       | 11:12 | 28    | *     | *   | *  | *  | 19:55 | 9     | *     | *     | *     | *  | *  | * |   |   |  |  |

| N<br>総回数 | Sum<br>推算月合計 | Mean<br>推算月平均 | 推算月最高潮位     |    |    | 推算月最低潮位   |    |    |
|----------|--------------|---------------|-------------|----|----|-----------|----|----|
|          |              |               | 起時          | 潮位 | 回数 | 起時        | 潮位 | 回数 |
| 720      | 14358        | 19.9          | 21日 15時 48分 | 33 | 7  | 5日 23時 4分 | 0  | 1  |

# 推算潮位 ( 毎時・満干潮 )

地点名: 留萌

緯度: 43 °57 N

経度: 141 °38 E

潮位表基準面の零点: 平均海面下 16.0(cm)

2023 年 7 月

| 日  | 毎時潮位 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 日合計 |     | 日平均  |       | 満潮    |       | 干潮    |     | 満潮 |    | 干潮 |       | 満潮    |       | 干潮    |       |    |   |   |   |   |
|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|------|-------|-------|-------|-------|-----|----|----|----|-------|-------|-------|-------|-------|----|---|---|---|---|
|    | 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23  | 時刻  | 潮位   | 時刻    | 潮位    | 時刻    | 潮位    | 時刻  | 潮位 | 時刻 | 潮位 | 時刻    | 潮位    | 時刻    | 潮位    |       |    |   |   |   |   |
| 1  | 21   | 25 | 27 | 29 | 30 | 30 | 29 | 29 | 30 | 30 | 30 | 31 | 31 | 30 | 28 | 25 | 21 | 17 | 13 | 10 | 8  | 8  | 9  | 13  | 554 | 23.1 | 11:41 | 31    | *     | *     | *   | *  | *  | *  | 20:36 | 7     | *     | *     | *     | *  | * | * |   |   |
| 2  | 18   | 23 | 28 | 31 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 34 | 34 | 33 | 30 | 26 | 21 | 16 | 11 | 8  | 6  | 7  | 9   | 599 | 25.0 | 4:59  | 33    | 12:23 | 34    | *   | *  | *  | *  | *     | 8: 8  | 33    | 21:22 | 6     | *  | * | * | * |   |
| 3  | 14   | 20 | 26 | 31 | 34 | 36 | 36 | 35 | 35 | 35 | 35 | 35 | 36 | 36 | 36 | 35 | 31 | 27 | 21 | 15 | 10 | 7  | 5  | 6   | 637 | 26.5 | F     | 5:34  | 36    | 13:18 | 36  | *  | *  | *  | *     | *     | 8:54  | 35    | 22:12 | 5  | * | * | * | * |
| 4  | 9    | 14 | 21 | 28 | 33 | 36 | 37 | 37 | 36 | 36 | 36 | 36 | 36 | 37 | 38 | 38 | 36 | 32 | 27 | 21 | 14 | 9  | 6  | 4   | 657 | 27.4 |       | 6:11  | 37    | 14:20 | #38 | *  | *  | *  | *     | *     | 9:23  | 35    | 23: 5 | #4 | * | * | * | * |
| 5  | 5    | 9  | 15 | 22 | 28 | 33 | 36 | 36 | 36 | 35 | 35 | 35 | 35 | 36 | 37 | 38 | 38 | 36 | 32 | 27 | 20 | 13 | 8  | 5   | 650 | 27.1 |       | 6:48  | 36    | 15:23 | #38 | *  | *  | *  | *     | *     | 9:57  | 35    | 23:58 | #4 | * | * | * | * |
| 6  | 4    | 5  | 9  | 15 | 22 | 28 | 32 | 34 | 34 | 33 | 32 | 32 | 33 | 33 | 34 | 36 | 37 | 37 | 35 | 31 | 26 | 19 | 13 | 8   | 622 | 25.9 |       | 7:25  | 35    | 16:28 | 37  | *  | *  | *  | *     | *     | 10:44 | 32    | *     | *  | * | * | * | * |
| 7  | 6    | 5  | 7  | 11 | 16 | 22 | 28 | 31 | 32 | 31 | 30 | 29 | 29 | 29 | 30 | 31 | 33 | 34 | 34 | 33 | 29 | 24 | 18 | 13  | 585 | 24.4 |       | 8: 1  | 32    | 17:34 | 35  | *  | *  | *  | *     | *     | 0:51  | 5     | 11:49 | 29 | * | * | * | * |
| 8  | 9    | 7  | 7  | 9  | 13 | 18 | 23 | 27 | 29 | 29 | 28 | 27 | 25 | 25 | 25 | 26 | 27 | 29 | 30 | 31 | 30 | 27 | 22 | 18  | 541 | 22.5 |       | 8:35  | 30    | 18:46 | 31  | *  | *  | *  | *     | *     | 1:41  | 7     | 13:19 | 25 | * | * | * | * |
| 9  | 14   | 11 | 10 | 10 | 12 | 15 | 20 | 24 | 27 | 28 | 27 | 25 | 23 | 22 | 21 | 21 | 21 | 23 | 24 | 26 | 27 | 26 | 24 | 22  | 503 | 21.0 |       | 9: 6  | 28    | 20:12 | 27  | *  | *  | *  | *     | *     | 2:28  | 10    | 14:50 | 21 | * | * | * | * |
| 10 | 19   | 16 | 15 | 14 | 14 | 16 | 19 | 22 | 25 | 27 | 27 | 25 | 23 | 21 | 19 | 18 | 17 | 17 | 18 | 20 | 22 | 23 | 24 | 23  | 484 | 20.2 | L     | 9:36  | 27    | 21:58 | 24  | *  | *  | *  | *     | *     | 3:10  | 14    | 16:14 | 17 | * | * | * | * |
| 11 | 22   | 20 | 19 | 19 | 19 | 19 | 21 | 22 | 25 | 26 | 27 | 27 | 24 | 22 | 19 | 17 | 15 | 14 | 14 | 15 | 17 | 19 | 21 | 22  | 485 | 20.2 |       | 10: 4 | 27    | *     | *   | *  | *  | *  | *     | 3:40  | 19    | 17:32 | 14    | *  | * | * | * |   |
| 12 | 23   | 23 | 23 | 23 | 23 | 24 | 24 | 25 | 26 | 27 | 28 | 28 | 27 | 24 | 21 | 18 | 15 | 13 | 12 | 12 | 13 | 15 | 18 | 20  | 505 | 21.0 |       | 10:30 | 28    | *     | *   | *  | *  | *  | *     | 18:38 | 12    | *     | *     | *  | * | * | * |   |
| 13 | 23   | 25 | 26 | 27 | 27 | 28 | 28 | 28 | 29 | 29 | 30 | 30 | 29 | 28 | 25 | 21 | 18 | 14 | 12 | 11 | 11 | 12 | 15 | 18  | 544 | 22.7 |       | 10:56 | 30    | *     | *   | *  | *  | *  | *     | 19:32 | 11    | *     | *     | *  | * | * | * |   |
| 14 | 22   | 25 | 27 | 29 | 30 | 31 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 31 | 29 | 25 | 21 | 18 | 14 | 12 | 11 | 11 | 13 | 16  | 589 | 24.5 |       | 9: 8  | 32    | *     | *   | *  | *  | *  | *     | 20:17 | 11    | *     | *     | *  | * | * | * |   |
| 15 | 20   | 24 | 28 | 30 | 32 | 33 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 32 | 29 | 26 | 22 | 17 | 14 | 12 | 11 | 12 | 15  | 628 | 26.2 |       | 7: 9  | 34    | *     | *   | *  | *  | *  | *     | 20:57 | 11    | *     | *     | *  | * | * | * |   |
| 16 | 18   | 23 | 27 | 31 | 33 | 35 | 35 | 36 | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 33 | 30 | 26 | 21 | 17 | 14 | 12 | 12 | 14  | 663 | 27.6 |       | 7:10  | 36    | *     | *   | *  | *  | *  | *     | 21:34 | 12    | *     | *     | *  | * | * | * |   |
| 17 | 17   | 21 | 26 | 30 | 33 | 35 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 33 | 30 | 25 | 20 | 16 | 13 | 12 | 13  | 684 | 28.5 |       | 6:34  | 36    | 13:44 | 36  | *  | *  | *  | *     | *     | 10:54 | 36    | 22:11 | 12 | * | * | * | * |
| 18 | 15   | 19 | 23 | 28 | 32 | 35 | 36 | 36 | 35 | 35 | 35 | 35 | 35 | 36 | 36 | 37 | 35 | 33 | 29 | 24 | 19 | 15 | 12 | 12  | 687 | 28.6 | N     | 6:34  | 36    | 14:36 | 37  | *  | *  | *  | *     | *     | 10:19 | 35    | 22:48 | 12 | * | * | * | * |
| 19 | 13   | 16 | 20 | 25 | 29 | 33 | 35 | 35 | 34 | 34 | 33 | 33 | 34 | 34 | 35 | 36 | 36 | 34 | 31 | 27 | 21 | 17 | 13 | 11  | 669 | 27.9 |       | 6:48  | 35    | 15:24 | 36  | *  | *  | *  | *     | *     | 10:21 | 33    | 23:25 | 11 | * | * | * | * |
| 20 | 11   | 13 | 17 | 22 | 26 | 30 | 32 | 33 | 33 | 32 | 31 | 31 | 31 | 32 | 33 | 34 | 35 | 34 | 32 | 29 | 24 | 19 | 14 | 12  | 640 | 26.7 |       | 7: 7  | 33    | 16: 8 | 35  | *  | *  | *  | *     | *     | 10:53 | 31    | *     | *  | * | * | * | * |
| 21 | 11   | 12 | 14 | 18 | 23 | 27 | 29 | 31 | 31 | 30 | 29 | 29 | 28 | 29 | 30 | 31 | 32 | 32 | 31 | 29 | 25 | 21 | 16 | 13  | 601 | 25.0 |       | 7:29  | 31    | 16:51 | 32  | *  | *  | *  | *     | *     | 0: 0  | 11    | 11:35 | 28 | * | * | * | * |
| 22 | 11   | 11 | 13 | 16 | 20 | 23 | 27 | 28 | 29 | 28 | 27 | 26 | 26 | 26 | 26 | 27 | 28 | 29 | 29 | 28 | 26 | 22 | 18 | 15  | 559 | 23.3 |       | 7:49  | 29    | 17:36 | 29  | *  | *  | *  | *     | *     | 0:32  | 11    | 12:30 | 26 | * | * | * | * |
| 23 | 12   | 12 | 12 | 15 | 18 | 21 | 24 | 26 | 27 | 27 | 26 | 24 | 23 | 23 | 23 | 23 | 24 | 26 | 26 | 26 | 25 | 23 | 20 | 17  | 523 | 21.8 |       | 8: 7  | 27    | 18:28 | 26  | *  | *  | *  | *     | *     | 1: 0  | 12    | 13:34 | 23 | * | * | * | * |
| 24 | 14   | 13 | 14 | 15 | 17 | 20 | 23 | 25 | 26 | 26 | 25 | 23 | 22 | 21 | 21 | 21 | 21 | 22 | 23 | 24 | 24 | 23 | 21 | 19  | 503 | 21.0 |       | 8:22  | 26    | 19:37 | 24  | *  | *  | *  | *     | *     | 1:21  | 13    | 14:38 | 21 | * | * | * | * |
| 25 | 17   | 16 | 16 | 17 | 19 | 21 | 23 | 25 | 26 | 26 | 25 | 23 | 22 | 20 | 19 | 19 | 18 | 19 | 20 | 21 | 22 | 23 | 23 | 22  | 502 | 20.9 |       | 8:33  | 26    | 21:11 | 23  | *  | *  | *  | *     | *     | 1:33  | 16    | 15:41 | 18 | * | * | * | * |
| 26 | 20   | 20 | 19 | 20 | 21 | 23 | 25 | 26 | 27 | 27 | 26 | 25 | 23 | 20 | 19 | 18 | 17 | 17 | 17 | 19 | 20 | 22 | 23 | 24  | 518 | 21.6 | U     | 8:40  | 27    | *     | *   | *  | *  | *  | *     | 1:35  | 19    | 16:42 | 17    | *  | * | * | * |   |
| 27 | 24   | 23 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 29 | 29 | 27 | 25 | 22 | 20 | 18 | 16 | 15 | 15 | 16 | 18 | 20 | 23 | 25  | 547 | 22.8 |       | 8:45  | 29    | *     | *   | *  | *  | *  | *     | 17:40 | 15    | *     | *     | *  | * | * | * |   |
| 28 | 26   | 27 | 27 | 28 | 29 | 30 | 30 | 31 | 31 | 32 | 31 | 30 | 28 | 25 | 22 | 19 | 17 | 15 | 14 | 14 | 15 | 17 | 21 | 24  | 583 | 24.3 |       | 8:48  | 32    | *     | *   | *  | *  | *  | *     | 18:35 | 14    | *     | *     | *  | * | * | * |   |
| 29 | 27   | 30 | 31 | 32 | 33 | 33 | 34 | 34 | 34 | 34 | 34 | 33 | 32 | 29 | 26 | 22 | 19 | 16 | 14 | 12 | 12 | 14 | 17 | 21  | 623 | 26.0 |       | 8:44  | 34    | *     | *   | *  | *  | *  | *     | 19:29 | 12    | *     | *     | *  | * | * | * |   |
| 30 | 26   | 30 | 33 | 35 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 34 | 31 | 27 | 23 | 19 | 15 | 12 | 11 | 11 | 13 | 17  | 660 | 27.5 |       | 7:53  | 36    | *     | *   | *  | *  | *  | *     | 20:23 | 10    | *     | *     | *  | * | * | * |   |
| 31 | 22   | 28 | 32 | 35 | 37 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 37 | 36 | 33 | 28 | 23 | 18 | 13 | 10 | 9  | 9  | 12  | 686 | 28.6 |       | 8:40  | #38   | *     | *   | *  | *  | *  | *     | 21:18 | 9     | *     | *     | *  | * | * | * |   |

| N   | Sum   | Mean | 推算月最高潮位    |    |    | 推算月最低潮位    |    |    |
|-----|-------|------|------------|----|----|------------|----|----|
|     |       |      | 起時         | 潮位 | 回数 | 起時         | 潮位 | 回数 |
| 744 | 18231 | 24.5 | 31日 8時 40分 | 38 | 3  | 5日 23時 58分 | 4  | 2  |

# 推算潮位 (毎時・満干潮)

地点名: 留萌

緯度: 43 °57 N

経度: 141 °38 E

潮位表基準面の零点: 平均海面下 16.0(cm)

2023 年 8 月

| 日  | 毎時潮位 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 満潮 |     |      |   | 干潮   |    |       |     |    |    |    |    |       |    |       |    |    |    |   |   |
|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|------|---|------|----|-------|-----|----|----|----|----|-------|----|-------|----|----|----|---|---|
|    | 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 日合計 | 日平均  | 月 | 時刻   | 潮位 | 時刻    | 潮位  | 時刻 | 潮位 | 時刻 | 潮位 | 時刻    | 潮位 | 時刻    | 潮位 | 時刻 | 潮位 |   |   |
| 1  | 17   | 23 | 29 | 34 | 37 | 38 | 38 | 38 | 37 | 37 | 37 | 38 | 38 | 39 | 39 | 37 | 34 | 29 | 23 | 17 | 12 | 8  | 7  | 8  | 694 | 28.9 |   | 5:29 | 38 | 13:23 | 39  | *  | *  | *  | *  | 8:41  | 37 | 22:11 | 7  | *  | *  | * | * |
| 2  | 11   | 17 | 23 | 29 | 34 | 37 | 37 | 36 | 36 | 35 | 35 | 36 | 37 | 38 | 39 | 40 | 38 | 35 | 29 | 23 | 16 | 11 | 7  | 6  | 685 | 28.5 | F | 5:48 | 37 | 14:39 | #40 | *  | *  | *  | *  | 9:13  | 35 | 23:3  | #6 | *  | *  | * | * |
| 3  | 7    | 11 | 17 | 24 | 30 | 34 | 35 | 35 | 33 | 32 | 32 | 32 | 33 | 35 | 37 | 39 | 39 | 38 | 34 | 28 | 21 | 15 | 10 | 7  | 658 | 27.4 |   | 6:13 | 35 | 15:48 | 39  | *  | *  | *  | *  | 9:57  | 32 | 23:52 | #6 | *  | *  | * | * |
| 4  | 6    | 8  | 12 | 18 | 25 | 30 | 33 | 33 | 31 | 29 | 28 | 28 | 28 | 29 | 32 | 34 | 37 | 37 | 36 | 32 | 27 | 20 | 15 | 11 | 619 | 25.8 |   | 6:39 | 33 | 16:55 | 37  | *  | *  | *  | *  | 10:52 | 28 | *     | *  | *  | *  | * | * |
| 5  | 8    | 8  | 10 | 15 | 20 | 26 | 30 | 31 | 30 | 28 | 25 | 24 | 23 | 24 | 25 | 28 | 31 | 34 | 34 | 33 | 30 | 25 | 20 | 15 | 577 | 24.0 |   | 7:6  | 31 | 18:1  | 34  | *  | *  | *  | *  | 0:37  | 8  | 11:56 | 23 | *  | *  | * | * |
| 6  | 13   | 11 | 12 | 14 | 18 | 23 | 27 | 30 | 30 | 28 | 24 | 22 | 20 | 20 | 20 | 22 | 24 | 27 | 30 | 31 | 30 | 28 | 24 | 20 | 548 | 22.8 |   | 7:33 | 30 | 19:10 | 31  | *  | *  | *  | *  | 1:19  | 11 | 13:6  | 20 | *  | *  | * | * |
| 7  | 18   | 16 | 16 | 16 | 19 | 22 | 26 | 28 | 29 | 28 | 25 | 22 | 19 | 18 | 17 | 17 | 19 | 21 | 24 | 26 | 27 | 27 | 26 | 24 | 530 | 22.1 |   | 7:59 | 29 | 20:29 | 28  | *  | *  | *  | *  | 1:53  | 16 | 14:16 | 17 | *  | *  | * | * |
| 8  | 22   | 21 | 21 | 21 | 22 | 24 | 26 | 28 | 30 | 29 | 28 | 24 | 21 | 18 | 16 | 15 | 15 | 16 | 18 | 21 | 23 | 25 | 26 | 25 | 535 | 22.3 | L | 8:23 | 30 | *     | *   | *  | *  | *  | *  | 2:11  | 21 | 15:30 | 15 | *  | *  | * | * |
| 9  | 25   | 25 | 25 | 26 | 26 | 27 | 28 | 30 | 31 | 31 | 30 | 27 | 24 | 21 | 18 | 16 | 15 | 14 | 15 | 17 | 19 | 21 | 24 | 25 | 560 | 23.3 |   | 8:43 | 31 | *     | *   | *  | *  | *  | *  | 16:50 | 14 | *     | *  | *  | *  | * | * |
| 10 | 27   | 28 | 29 | 30 | 30 | 31 | 31 | 32 | 32 | 32 | 32 | 30 | 28 | 25 | 22 | 19 | 16 | 15 | 14 | 15 | 16 | 18 | 21 | 24 | 597 | 24.9 |   | 8:51 | 32 | *     | *   | *  | *  | *  | *  | 18:10 | 14 | *     | *  | *  | *  | * | * |
| 11 | 26   | 29 | 31 | 32 | 33 | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 31 | 29 | 26 | 23 | 20 | 17 | 15 | 15 | 15 | 16 | 19 | 22 | 635 | 26.5 |   | 5:59 | 34 | *     | *   | *  | *  | *  | *  | 19:16 | 15 | *     | *  | *  | *  | * | * |
| 12 | 25   | 29 | 31 | 34 | 35 | 36 | 36 | 36 | 36 | 35 | 35 | 34 | 34 | 32 | 30 | 27 | 23 | 20 | 17 | 16 | 15 | 15 | 17 | 20 | 668 | 27.8 |   | 6:2  | 36 | *     | *   | *  | *  | *  | *  | 20:7  | 15 | *     | *  | *  | *  | * | * |
| 13 | 24   | 28 | 31 | 34 | 36 | 37 | 37 | 37 | 36 | 36 | 35 | 35 | 35 | 35 | 33 | 31 | 27 | 24 | 20 | 17 | 15 | 15 | 16 | 18 | 692 | 28.8 |   | 6:10 | 37 | *     | *   | *  | *  | *  | *  | 20:50 | 15 | *     | *  | *  | *  | * | * |
| 14 | 22   | 26 | 30 | 33 | 35 | 36 | 37 | 36 | 36 | 36 | 35 | 35 | 35 | 36 | 35 | 34 | 31 | 27 | 23 | 19 | 16 | 15 | 16 | 16 | 699 | 29.1 |   | 5:54 | 37 | *     | *   | *  | *  | *  | *  | 21:27 | 14 | *     | *  | *  | *  | * | * |
| 15 | 19   | 24 | 28 | 31 | 34 | 35 | 36 | 35 | 35 | 34 | 34 | 34 | 35 | 35 | 36 | 35 | 33 | 30 | 26 | 21 | 17 | 14 | 13 | 14 | 688 | 28.7 |   | 5:42 | 36 | 13:58 | 36  | *  | *  | *  | *  | 10:18 | 34 | 22:2  | 13 | *  | *  | * | * |
| 16 | 17   | 21 | 25 | 29 | 32 | 34 | 34 | 33 | 33 | 32 | 32 | 32 | 33 | 34 | 35 | 35 | 34 | 32 | 28 | 23 | 18 | 15 | 13 | 13 | 667 | 27.8 | N | 5:45 | 34 | 14:51 | 35  | *  | *  | *  | *  | 10:5  | 32 | 22:36 | 12 | *  | *  | * | * |
| 17 | 14   | 17 | 22 | 26 | 29 | 32 | 32 | 32 | 30 | 29 | 29 | 29 | 30 | 31 | 33 | 34 | 34 | 33 | 30 | 25 | 20 | 15 | 13 | 12 | 631 | 26.3 |   | 5:56 | 32 | 15:37 | 34  | *  | *  | *  | *  | 10:18 | 29 | 23:7  | 12 | *  | *  | * | * |
| 18 | 12   | 15 | 19 | 23 | 27 | 29 | 30 | 30 | 28 | 27 | 26 | 26 | 26 | 28 | 29 | 31 | 33 | 32 | 30 | 27 | 22 | 17 | 14 | 12 | 593 | 24.7 |   | 6:10 | 30 | 16:22 | 33  | *  | *  | *  | *  | 10:47 | 26 | 23:37 | 11 | *  | *  | * | * |
| 19 | 12   | 13 | 16 | 20 | 24 | 27 | 29 | 29 | 27 | 25 | 24 | 23 | 23 | 24 | 26 | 28 | 30 | 31 | 30 | 28 | 24 | 19 | 15 | 13 | 560 | 23.3 |   | 6:25 | 29 | 17:6  | 31  | *  | *  | *  | *  | 11:22 | 23 | *     | *  | *  | *  | * | * |
| 20 | 12   | 13 | 15 | 19 | 22 | 25 | 27 | 27 | 26 | 24 | 22 | 21 | 20 | 21 | 22 | 24 | 27 | 28 | 29 | 28 | 25 | 21 | 18 | 15 | 531 | 22.1 |   | 6:39 | 28 | 17:53 | 29  | *  | *  | *  | *  | 0:2   | 12 | 12:1  | 20 | *  | *  | * | * |
| 21 | 14   | 14 | 16 | 19 | 22 | 25 | 27 | 27 | 26 | 24 | 21 | 20 | 19 | 19 | 19 | 21 | 23 | 25 | 27 | 27 | 26 | 24 | 21 | 18 | 524 | 21.8 |   | 6:50 | 27 | 18:46 | 27  | *  | *  | *  | *  | 0:21  | 14 | 12:42 | 19 | *  | *  | * | * |
| 22 | 17   | 17 | 18 | 20 | 23 | 25 | 27 | 27 | 27 | 25 | 22 | 19 | 18 | 17 | 17 | 18 | 20 | 22 | 25 | 26 | 26 | 26 | 24 | 22 | 528 | 22.0 |   | 6:58 | 28 | 19:49 | 26  | *  | *  | *  | *  | 0:33  | 17 | 13:27 | 17 | *  | *  | * | * |
| 23 | 21   | 21 | 21 | 23 | 25 | 27 | 28 | 29 | 28 | 26 | 24 | 21 | 18 | 17 | 16 | 17 | 18 | 20 | 22 | 24 | 26 | 26 | 26 | 25 | 549 | 22.9 |   | 7:2  | 29 | 21:13 | 26  | *  | *  | *  | *  | 0:35  | 21 | 14:18 | 16 | *  | *  | * | * |
| 24 | 25   | 25 | 25 | 26 | 28 | 29 | 30 | 30 | 30 | 28 | 26 | 23 | 20 | 18 | 17 | 16 | 16 | 17 | 19 | 21 | 24 | 26 | 27 | 28 | 574 | 23.9 | U | 7:1  | 30 | *     | *   | *  | *  | *  | *  | 0:31  | 25 | 15:21 | 16 | *  | *  | * | * |
| 25 | 28   | 28 | 29 | 30 | 31 | 32 | 32 | 33 | 32 | 31 | 29 | 26 | 23 | 20 | 18 | 17 | 16 | 16 | 16 | 18 | 21 | 24 | 26 | 29 | 605 | 25.2 |   | 6:53 | 33 | *     | *   | *  | *  | *  | *  | 16:40 | 16 | *     | *  | *  | *  | * | * |
| 26 | 30   | 31 | 32 | 33 | 34 | 35 | 35 | 35 | 34 | 34 | 32 | 30 | 27 | 24 | 21 | 18 | 16 | 15 | 15 | 15 | 17 | 20 | 23 | 27 | 633 | 26.4 |   | 6:24 | 35 | *     | *   | *  | *  | *  | *  | 18:3  | 15 | *     | *  | *  | *  | * | * |
| 27 | 30   | 32 | 34 | 35 | 36 | 36 | 37 | 37 | 36 | 35 | 35 | 33 | 31 | 29 | 25 | 22 | 19 | 16 | 14 | 13 | 13 | 15 | 19 | 23 | 655 | 27.3 |   | 6:0  | 37 | *     | *   | *  | *  | *  | *  | 19:16 | 13 | *     | *  | *  | *  | * | * |
| 28 | 27   | 31 | 34 | 36 | 37 | 37 | 37 | 37 | 37 | 36 | 36 | 35 | 35 | 33 | 30 | 27 | 23 | 18 | 15 | 12 | 11 | 11 | 13 | 17 | 665 | 27.7 |   | 5:39 | 37 | *     | *   | *  | *  | *  | *  | 20:20 | 11 | *     | *  | *  | *  | * | * |
| 29 | 23   | 28 | 32 | 35 | 36 | 36 | 36 | 35 | 35 | 35 | 35 | 36 | 36 | 36 | 35 | 32 | 28 | 23 | 18 | 13 | 10 | 9  | 9  | 12 | 663 | 27.6 |   | 4:45 | 36 | 12:24 | 36  | *  | *  | *  | *  | 9:11  | 35 | 21:16 | 8  | *  | *  | * | * |
| 30 | 17   | 23 | 28 | 32 | 34 | 35 | 34 | 33 | 32 | 32 | 32 | 33 | 35 | 36 | 37 | 36 | 33 | 28 | 22 | 17 | 12 | 8  | 7  | 8  | 644 | 26.8 |   | 4:44 | 35 | 13:53 | 37  | *  | *  | *  | *  | 8:46  | 32 | 22:6  | 7  | *  | *  | * | * |
| 31 | 12   | 17 | 23 | 28 | 32 | 33 | 32 | 30 | 28 | 28 | 28 | 29 | 31 | 34 | 36 | 37 | 36 | 33 | 28 | 22 | 15 | 11 | 8  | 7  | 618 | 25.8 | F | 4:59 | 33 | 15:6  | 37  | *  | *  | *  | *  | 9:13  | 28 | 22:53 | 7  | *  | *  | * | * |

| N   | Sum   | Mean | 推算月最高潮位    |    |    | 推算月最低潮位    |    |    |
|-----|-------|------|------------|----|----|------------|----|----|
|     |       |      | 起時         | 潮位 | 回数 | 起時         | 潮位 | 回数 |
| 744 | 19025 | 25.6 | 2日 14時 39分 | 40 | 1  | 3日 23時 52分 | 6  | 2  |



# 推算潮位 (毎時・満干潮)

地点名: 留萌

緯度: 43 °57 N

経度: 141 °38 E

潮位表基準面の零点: 平均海面下 16.0(cm)

2023 年 9 月

| 日  | 毎時潮位 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 満潮 |     |      |   |      |    |       |      | 干潮 |    |       |    |       |    |       |     |    |    |    |    |
|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|------|---|------|----|-------|------|----|----|-------|----|-------|----|-------|-----|----|----|----|----|
|    | 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 日合計 | 日平均  | 月 | 時刻   | 潮位 | 時刻    | 潮位   | 時刻 | 潮位 | 時刻    | 潮位 | 時刻    | 潮位 | 時刻    | 潮位  | 時刻 | 潮位 | 時刻 | 潮位 |
| 1  | 9    | 13 | 19 | 24 | 29 | 31 | 30 | 28 | 25 | 23 | 23 | 23 | 25 | 28 | 32 | 35 | 36 | 36 | 32 | 27 | 21 | 15 | 11 | 9  | 584 | 24.3 |   | 5:19 | 31 | 16:12 | # 37 | *  | *  | *     | *  | 9:57  | 23 | 23:35 | 9   | *  | *  | *  | *  |
| 2  | 9    | 11 | 16 | 21 | 26 | 29 | 30 | 28 | 24 | 21 | 19 | 18 | 19 | 22 | 25 | 30 | 33 | 35 | 34 | 31 | 26 | 20 | 16 | 13 | 556 | 23.2 |   | 5:42 | 30 | 17:15 | 35   | *  | *  | *     | *  | 10:48 | 18 | *     | *   | *  | *  | *  | *  |
| 3  | 12   | 12 | 15 | 19 | 24 | 28 | 29 | 28 | 25 | 20 | 17 | 15 | 15 | 16 | 19 | 23 | 27 | 31 | 32 | 32 | 29 | 25 | 21 | 18 | 532 | 22.2 |   | 6: 6 | 29 | 18:16 | 33   | *  | *  | *     | *  | 0:14  | 12 | 11:43 | 15  | *  | *  | *  | *  |
| 4  | 17   | 16 | 17 | 20 | 24 | 27 | 29 | 29 | 27 | 22 | 18 | 15 | 13 | 13 | 14 | 17 | 21 | 25 | 28 | 30 | 30 | 28 | 25 | 23 | 528 | 22.0 |   | 6:30 | 30 | 19:22 | 30   | *  | *  | *     | *  | 0:48  | 16 | 12:40 | 13  | *  | *  | *  | *  |
| 5  | 22   | 21 | 21 | 23 | 25 | 28 | 30 | 30 | 29 | 25 | 21 | 17 | 14 | 13 | 12 | 14 | 16 | 20 | 23 | 26 | 28 | 28 | 27 | 26 | 539 | 22.5 |   | 6:51 | 30 | 20:41 | 28   | *  | *  | *     | *  | 1: 9  | 21 | 13:39 | 12  | *  | *  | *  | *  |
| 6  | 26   | 26 | 26 | 27 | 28 | 29 | 31 | 31 | 31 | 28 | 25 | 21 | 17 | 15 | 13 | 13 | 14 | 16 | 19 | 22 | 24 | 26 | 27 | 28 | 563 | 23.5 |   | 7: 6 | 31 | *     | *    | *  | *  | 0:19  | 26 | 14:43 | 13 | *     | *   | *  | *  |    |    |
| 7  | 28   | 29 | 30 | 31 | 31 | 32 | 32 | 32 | 32 | 31 | 28 | 25 | 22 | 19 | 16 | 15 | 15 | 15 | 16 | 18 | 21 | 23 | 26 | 28 | 595 | 24.8 | L | 6:53 | 32 | *     | *    | *  | *  | 15:58 | 15 | *     | *  | *     | *   | *  | *  |    |    |
| 8  | 29   | 31 | 32 | 33 | 34 | 34 | 34 | 33 | 33 | 32 | 31 | 29 | 26 | 23 | 20 | 18 | 17 | 16 | 16 | 17 | 18 | 21 | 23 | 26 | 626 | 26.1 |   | 4:50 | 34 | *     | *    | *  | *  | 17:29 | 16 | *     | *  | *     | *   | *  | *  |    |    |
| 9  | 29   | 31 | 33 | 35 | 35 | 36 | 35 | 34 | 34 | 33 | 32 | 31 | 29 | 27 | 24 | 22 | 19 | 18 | 17 | 16 | 17 | 19 | 21 | 24 | 651 | 27.1 |   | 4:47 | 36 | *     | *    | *  | *  | 18:51 | 16 | *     | *  | *     | *   | *  | *  |    |    |
| 10 | 27   | 30 | 33 | 34 | 35 | 36 | 35 | 34 | 34 | 33 | 32 | 32 | 31 | 30 | 28 | 25 | 22 | 20 | 18 | 16 | 16 | 17 | 19 | 22 | 659 | 27.5 |   | 4:55 | 36 | *     | *    | *  | *  | 19:50 | 16 | *     | *  | *     | *   | *  | *  |    |    |
| 11 | 25   | 28 | 31 | 33 | 34 | 34 | 34 | 33 | 33 | 32 | 31 | 32 | 32 | 31 | 30 | 28 | 25 | 22 | 19 | 16 | 15 | 15 | 16 | 19 | 648 | 27.0 |   | 4:50 | 35 | *     | *    | *  | *  | 20:35 | 15 | *     | *  | *     | *   | *  | *  |    |    |
| 12 | 22   | 26 | 29 | 31 | 33 | 33 | 32 | 31 | 31 | 30 | 30 | 30 | 31 | 32 | 31 | 30 | 28 | 24 | 20 | 17 | 15 | 14 | 14 | 16 | 630 | 26.3 |   | 4:41 | 33 | 13:17 | 32   | *  | *  | *     | *  | 9:46  | 30 | 21:11 | 14  | *  | *  | *  | *  |
| 13 | 19   | 23 | 26 | 29 | 31 | 31 | 30 | 29 | 28 | 27 | 27 | 28 | 29 | 31 | 31 | 31 | 29 | 26 | 22 | 18 | 15 | 13 | 12 | 14 | 599 | 25.0 |   | 4:39 | 31 | 14:14 | 31   | *  | *  | *     | *  | 9:38  | 27 | 21:44 | 12  | *  | *  | *  | *  |
| 14 | 16   | 20 | 24 | 27 | 29 | 29 | 28 | 26 | 25 | 24 | 24 | 24 | 26 | 28 | 30 | 31 | 30 | 28 | 24 | 19 | 15 | 13 | 12 | 12 | 564 | 23.5 |   | 4:44 | 29 | 15: 3 | 31   | *  | *  | *     | *  | 9:44  | 24 | 22:14 | 12  | *  | *  | *  | *  |
| 15 | 14   | 18 | 21 | 25 | 27 | 27 | 26 | 24 | 22 | 21 | 21 | 21 | 22 | 25 | 28 | 29 | 30 | 29 | 26 | 21 | 17 | 14 | 12 | 12 | 532 | 22.2 | N | 4:54 | 27 | 15:48 | 30   | *  | *  | *     | *  | 10: 3 | 21 | 22:41 | 12  | *  | *  | *  | *  |
| 16 | 13   | 16 | 19 | 23 | 25 | 26 | 25 | 23 | 21 | 19 | 18 | 18 | 19 | 21 | 24 | 27 | 29 | 29 | 27 | 24 | 19 | 16 | 13 | 13 | 507 | 21.1 |   | 5: 4 | 26 | 16:32 | 29   | *  | *  | *     | *  | 10:29 | 18 | 23: 6 | 13  | *  | *  | *  | *  |
| 17 | 13   | 15 | 19 | 22 | 24 | 26 | 25 | 23 | 20 | 17 | 16 | 15 | 16 | 18 | 21 | 24 | 27 | 29 | 28 | 26 | 22 | 18 | 16 | 15 | 495 | 20.6 |   | 5:15 | 26 | 17:17 | 29   | *  | *  | *     | *  | 10:58 | 15 | 23:27 | 15  | *  | *  | *  | *  |
| 18 | 15   | 16 | 19 | 22 | 24 | 26 | 26 | 24 | 21 | 17 | 15 | 14 | 14 | 15 | 18 | 21 | 25 | 27 | 28 | 28 | 25 | 22 | 19 | 18 | 499 | 20.8 |   | 5:24 | 26 | 18: 4 | 28   | *  | *  | *     | *  | 11:29 | 14 | 23:42 | 18  | *  | *  | *  | *  |
| 19 | 18   | 18 | 20 | 23 | 25 | 27 | 27 | 25 | 22 | 18 | 15 | 13 | 13 | 13 | 15 | 18 | 22 | 25 | 28 | 28 | 27 | 25 | 23 | 22 | 510 | 21.3 |   | 5:32 | 27 | 18:55 | 28   | *  | *  | *     | *  | 12: 2 | 13 | 23:48 | 21  | *  | *  | *  | *  |
| 20 | 21   | 22 | 23 | 25 | 27 | 28 | 28 | 27 | 24 | 21 | 17 | 14 | 13 | 13 | 14 | 16 | 19 | 23 | 26 | 28 | 29 | 28 | 26 | 25 | 537 | 22.4 |   | 5:37 | 28 | 19:56 | 29   | *  | *  | *     | *  | 12:40 | 13 | 23:47 | 25  | *  | *  | *  | *  |
| 21 | 25   | 25 | 26 | 28 | 29 | 30 | 30 | 29 | 27 | 23 | 20 | 16 | 14 | 13 | 13 | 14 | 16 | 19 | 23 | 26 | 28 | 29 | 29 | 28 | 560 | 23.3 |   | 5:38 | 30 | 21:20 | 29   | *  | *  | *     | *  | 13:28 | 13 | 23:37 | 28  | *  | *  | *  | *  |
| 22 | 28   | 29 | 30 | 30 | 31 | 32 | 32 | 31 | 29 | 26 | 23 | 19 | 16 | 14 | 14 | 13 | 14 | 16 | 19 | 22 | 25 | 28 | 29 | 30 | 580 | 24.2 |   | 5:31 | 32 | *     | *    | *  | *  | 14:32 | 13 | *     | *  | *     | *   | *  | *  |    |    |
| 23 | 30   | 31 | 32 | 33 | 33 | 34 | 33 | 33 | 31 | 29 | 26 | 23 | 20 | 17 | 15 | 14 | 14 | 14 | 15 | 18 | 21 | 24 | 27 | 29 | 596 | 24.8 | U | 5: 6 | 34 | *     | *    | *  | *  | 16: 2 | 14 | *     | *  | *     | *   | *  | *  |    |    |
| 24 | 31   | 32 | 33 | 34 | 34 | 35 | 34 | 34 | 33 | 31 | 29 | 27 | 24 | 21 | 18 | 16 | 14 | 13 | 13 | 14 | 16 | 19 | 23 | 26 | 604 | 25.2 |   | 4:47 | 35 | *     | *    | *  | *  | 17:46 | 13 | *     | *  | *     | *   | *  | *  |    |    |
| 25 | 29   | 31 | 33 | 34 | 34 | 34 | 34 | 33 | 32 | 32 | 31 | 30 | 28 | 25 | 22 | 19 | 16 | 14 | 12 | 11 | 11 | 14 | 17 | 21 | 597 | 24.9 |   | 4:41 | 34 | *     | *    | *  | *  | 19: 9 | 11 | *     | *  | *     | *   | *  | *  |    |    |
| 26 | 26   | 29 | 31 | 32 | 32 | 32 | 32 | 31 | 31 | 30 | 30 | 31 | 30 | 29 | 27 | 24 | 20 | 16 | 13 | 10 | 9  | 10 | 12 | 16 | 583 | 24.3 |   | 3:53 | 32 | *     | *    | *  | *  | 20:14 | 9  | *     | *  | *     | *   | *  | *  |    |    |
| 27 | 21   | 25 | 28 | 30 | 30 | 29 | 28 | 27 | 27 | 27 | 28 | 29 | 30 | 31 | 31 | 28 | 25 | 20 | 16 | 12 | 9  | 8  | 9  | 12 | 560 | 23.3 |   | 3:33 | 30 | 13: 6 | 31   | *  | *  | *     | *  | 8:28  | 27 | 21: 7 | # 8 | *  | *  | *  | *  |
| 28 | 16   | 21 | 25 | 28 | 28 | 27 | 25 | 23 | 22 | 22 | 23 | 25 | 28 | 30 | 32 | 32 | 29 | 25 | 20 | 15 | 11 | 9  | 8  | 9  | 533 | 22.2 |   | 3:41 | 28 | 14:22 | 32   | *  | *  | *     | *  | 8:36  | 22 | 21:53 | # 8 | *  | *  | *  | *  |
| 29 | 13   | 18 | 23 | 26 | 27 | 26 | 23 | 20 | 18 | 17 | 17 | 19 | 22 | 26 | 30 | 32 | 32 | 30 | 25 | 20 | 15 | 12 | 10 | 10 | 511 | 21.3 | F | 3:57 | 27 | 15:29 | 32   | *  | *  | *     | *  | 9: 8  | 17 | 22:35 | 9   | *  | *  | *  | *  |
| 30 | 12   | 16 | 21 | 24 | 26 | 26 | 23 | 19 | 15 | 13 | 12 | 13 | 16 | 20 | 25 | 30 | 32 | 32 | 29 | 25 | 20 | 16 | 14 | 13 | 492 | 20.5 |   | 4:18 | 26 | 16:30 | 32   | *  | *  | *     | *  | 9:50  | 12 | 23:13 | 13  | *  | *  | *  | *  |

| N<br>総回数 | Sum<br>推算月合計 | Mean<br>推算月平均 | 推算月最高潮位 |       |      | 推算月最低潮位    |    |    |
|----------|--------------|---------------|---------|-------|------|------------|----|----|
|          |              |               | 起時      | 潮位    | 回数   | 起時         | 潮位 | 回数 |
|          |              |               | 720     | 16970 | 23.6 | 1日 16時 12分 | 37 | 1  |

# 推算潮位 ( 毎時・満干潮 )

地点名: 留萌

緯度: 43 °57 N

経度: 141 °38 E

潮位表基準面の零点: 平均海面下 16.0(cm)

2023 年 10 月

| 日  | 毎時潮位 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 満潮 |     |      |   |      |     |       |    | 干潮 |    |       |    |       |    |       |    |    |    |    |    |
|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|------|---|------|-----|-------|----|----|----|-------|----|-------|----|-------|----|----|----|----|----|
|    | 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 日合計 | 日平均  | 月 | 時刻   | 潮位  | 時刻    | 潮位 | 時刻 | 潮位 | 時刻    | 潮位 | 時刻    | 潮位 | 時刻    | 潮位 | 時刻 | 潮位 | 時刻 | 潮位 |
| 1  | 13   | 16 | 20 | 24 | 26 | 27 | 25 | 20 | 15 | 11 | 9  | 9  | 11 | 14 | 19 | 25 | 29 | 31 | 31 | 29 | 25 | 21 | 19 | 17 | 486 | 20.3 |   | 4:41 | 27  | 17:29 | 32 | *  | *  | *     | *  | 10:36 | 9  | 23:47 | 17 | *  | *  | *  | *  |
| 2  | 17   | 18 | 21 | 24 | 27 | 28 | 27 | 23 | 18 | 13 | 9  | 7  | 8  | 10 | 14 | 19 | 24 | 28 | 30 | 30 | 28 | 25 | 23 | 22 | 493 | 20.5 |   | 5:4  | 28  | 18:27 | 31 | *  | *  | *     | *  | 11:23 | 7  | *     | *  | *  | *  | *  | *  |
| 3  | 21   | 22 | 23 | 25 | 28 | 29 | 29 | 26 | 22 | 16 | 12 | 9  | 8  | 8  | 10 | 14 | 19 | 24 | 27 | 29 | 29 | 28 | 27 | 26 | 511 | 21.3 |   | 5:25 | 29  | 19:30 | 30 | *  | *  | *     | *  | 0:13  | 21 | 12:12 | 7  | *  | *  | *  | *  |
| 4  | 26   | 26 | 26 | 28 | 29 | 30 | 30 | 29 | 26 | 21 | 16 | 12 | 10 | 9  | 10 | 12 | 16 | 20 | 23 | 26 | 28 | 29 | 29 | 28 | 539 | 22.5 |   | 5:40 | 30  | *     | *  | *  | *  | 0:8   | 26 | 13:3  | 9  | *     | *  | *  | *  |    |    |
| 5  | 29   | 29 | 30 | 30 | 31 | 31 | 31 | 30 | 28 | 25 | 21 | 17 | 14 | 12 | 11 | 12 | 14 | 17 | 20 | 23 | 26 | 27 | 28 | 29 | 565 | 23.5 |   | 5:33 | 31  | *     | *  | *  | *  | 13:57 | 11 | *     | *  | *     | *  | *  | *  |    |    |
| 6  | 30   | 31 | 32 | 32 | 32 | 32 | 32 | 31 | 30 | 28 | 25 | 21 | 18 | 16 | 14 | 14 | 14 | 15 | 17 | 20 | 22 | 25 | 27 | 29 | 587 | 24.5 | L | 3:55 | 32  | *     | *  | *  | *  | 15:1  | 14 | *     | *  | *     | *  | *  | *  |    |    |
| 7  | 30   | 32 | 33 | 33 | 33 | 33 | 32 | 31 | 30 | 29 | 27 | 24 | 22 | 19 | 17 | 16 | 15 | 15 | 16 | 17 | 19 | 22 | 24 | 27 | 596 | 24.8 |   | 3:37 | #33 | *     | *  | *  | *  | 16:26 | 15 | *     | *  | *     | *  | *  | *  |    |    |
| 8  | 29   | 30 | 32 | 33 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 23 | 20 | 18 | 17 | 16 | 15 | 16 | 17 | 19 | 21 | 24 | 591 | 24.6 |   | 3:43 | #33 | *     | *  | *  | *  | 18:3  | 15 | *     | *  | *     | *  | *  | *  |    |    |
| 9  | 26   | 28 | 30 | 31 | 31 | 31 | 30 | 29 | 28 | 27 | 27 | 26 | 26 | 25 | 23 | 21 | 18 | 16 | 15 | 14 | 15 | 16 | 18 | 21 | 572 | 23.8 |   | 3:42 | 31  | *     | *  | *  | *  | 19:14 | 14 | *     | *  | *     | *  | *  | *  |    |    |
| 10 | 24   | 26 | 28 | 29 | 29 | 28 | 27 | 26 | 25 | 25 | 25 | 25 | 26 | 26 | 24 | 23 | 20 | 17 | 15 | 14 | 13 | 14 | 15 | 18 | 542 | 22.6 |   | 3:33 | 29  | 12:16 | 26 | *  | *  | *     | *  | 9:14  | 25 | 20:3  | 13 | *  | *  | *  | *  |
| 11 | 21   | 23 | 25 | 26 | 26 | 25 | 24 | 23 | 22 | 21 | 22 | 23 | 24 | 25 | 25 | 24 | 22 | 19 | 16 | 14 | 12 | 12 | 13 | 15 | 502 | 20.9 |   | 3:27 | 26  | 13:27 | 25 | *  | *  | *     | *  | 9:1   | 21 | 20:41 | 12 | *  | *  | *  | *  |
| 12 | 18   | 21 | 23 | 24 | 24 | 23 | 21 | 20 | 18 | 18 | 18 | 20 | 22 | 24 | 25 | 25 | 23 | 20 | 17 | 14 | 12 | 11 | 12 | 13 | 466 | 19.4 |   | 3:28 | 25  | 14:22 | 25 | *  | *  | *     | *  | 9:5   | 18 | 21:12 | 11 | *  | *  | *  | *  |
| 13 | 16   | 19 | 22 | 23 | 23 | 22 | 20 | 17 | 15 | 15 | 15 | 16 | 19 | 22 | 24 | 25 | 25 | 22 | 19 | 16 | 13 | 12 | 12 | 13 | 445 | 18.5 |   | 3:32 | 23  | 15:11 | 25 | *  | *  | *     | *  | 9:20  | 15 | 21:41 | 12 | *  | *  | *  | *  |
| 14 | 15   | 18 | 21 | 22 | 23 | 21 | 19 | 16 | 13 | 12 | 12 | 13 | 16 | 19 | 22 | 25 | 26 | 25 | 22 | 19 | 16 | 14 | 13 | 14 | 436 | 18.2 |   | 3:39 | 23  | 15:56 | 26 | *  | *  | *     | *  | 9:41  | 12 | 22:7  | 13 | *  | *  | *  | *  |
| 15 | 15   | 18 | 21 | 22 | 23 | 22 | 19 | 16 | 12 | 10 | 9  | 10 | 12 | 16 | 20 | 24 | 26 | 26 | 25 | 22 | 19 | 17 | 15 | 15 | 434 | 18.1 | N | 3:48 | 23  | 16:40 | 27 | *  | *  | *     | *  | 10:6  | 9  | 22:32 | 15 | *  | *  | *  | *  |
| 16 | 17   | 19 | 21 | 23 | 24 | 23 | 21 | 17 | 13 | 10 | 8  | 8  | 10 | 13 | 18 | 22 | 26 | 28 | 27 | 25 | 22 | 20 | 19 | 18 | 452 | 18.8 |   | 3:58 | 24  | 17:24 | 28 | *  | *  | *     | *  | 10:33 | 8  | 22:53 | 18 | *  | *  | *  | *  |
| 17 | 19   | 21 | 23 | 25 | 26 | 25 | 23 | 19 | 14 | 10 | 8  | 7  | 8  | 10 | 15 | 20 | 24 | 27 | 29 | 28 | 26 | 24 | 22 | 22 | 475 | 19.8 |   | 4:8  | 26  | 18:11 | 29 | *  | *  | *     | *  | 11:3  | 7  | 23:8  | 22 | *  | *  | *  | *  |
| 18 | 22   | 23 | 25 | 26 | 27 | 27 | 25 | 22 | 17 | 13 | 9  | 7  | 7  | 9  | 12 | 16 | 21 | 26 | 29 | 30 | 29 | 27 | 26 | 25 | 500 | 20.8 |   | 4:18 | 28  | 19:2  | 30 | *  | *  | *     | *  | 11:38 | 7  | 23:12 | 25 | *  | *  | *  | *  |
| 19 | 25   | 26 | 27 | 28 | 29 | 29 | 28 | 25 | 21 | 16 | 12 | 9  | 8  | 8  | 10 | 13 | 18 | 22 | 26 | 29 | 30 | 29 | 28 | 28 | 524 | 21.8 |   | 4:27 | 29  | 20:4  | 30 | *  | *  | *     | *  | 12:19 | 8  | 23:11 | 28 | *  | *  | *  | *  |
| 20 | 28   | 29 | 29 | 30 | 31 | 31 | 30 | 27 | 24 | 20 | 15 | 11 | 9  | 8  | 9  | 11 | 14 | 18 | 22 | 26 | 28 | 29 | 29 | 29 | 537 | 22.4 |   | 4:32 | 31  | *     | *  | *  | *  | 13:11 | 8  | *     | *  | *     | *  | *  | *  |    |    |
| 21 | 30   | 30 | 31 | 31 | 32 | 32 | 31 | 29 | 27 | 23 | 19 | 15 | 12 | 10 | 9  | 10 | 11 | 13 | 17 | 21 | 24 | 27 | 28 | 29 | 541 | 22.5 |   | 4:22 | 32  | *     | *  | *  | *  | 14:18 | 9  | *     | *  | *     | *  | *  | *  |    |    |
| 22 | 30   | 30 | 31 | 32 | 32 | 32 | 31 | 30 | 28 | 26 | 23 | 19 | 16 | 13 | 11 | 10 | 10 | 10 | 12 | 15 | 18 | 22 | 25 | 27 | 533 | 22.2 | U | 3:58 | 32  | *     | *  | *  | *  | 15:48 | 10 | *     | *  | *     | *  | *  | *  |    |    |
| 23 | 28   | 29 | 30 | 30 | 30 | 30 | 29 | 29 | 28 | 27 | 25 | 23 | 20 | 17 | 14 | 12 | 10 | 9  | 9  | 11 | 13 | 16 | 20 | 23 | 512 | 21.3 |   | 3:49 | 30  | *     | *  | *  | *  | 17:30 | 9  | *     | *  | *     | *  | *  | *  |    |    |
| 24 | 26   | 27 | 27 | 28 | 27 | 27 | 26 | 26 | 25 | 25 | 25 | 24 | 23 | 21 | 18 | 15 | 13 | 10 | 9  | 8  | 9  | 12 | 15 | 19 | 485 | 20.2 |   | 2:52 | 28  | *     | *  | *  | *  | 18:53 | 8  | *     | *  | *     | *  | *  | *  |    |    |
| 25 | 22   | 24 | 25 | 25 | 24 | 23 | 22 | 22 | 21 | 22 | 23 | 24 | 25 | 24 | 22 | 20 | 16 | 13 | 11 | 9  | 8  | 9  | 12 | 15 | 461 | 19.2 |   | 2:10 | 25  | 12:5  | 25 | *  | *  | *     | *  | 7:52  | 21 | 19:57 | 8  | *  | *  | *  | *  |
| 26 | 19   | 22 | 23 | 23 | 21 | 19 | 18 | 17 | 16 | 17 | 18 | 21 | 23 | 25 | 25 | 24 | 21 | 17 | 14 | 11 | 9  | 9  | 10 | 13 | 435 | 18.1 |   | 2:15 | 23  | 13:35 | 25 | *  | *  | *     | *  | 7:58  | 16 | 20:48 | 9  | *  | *  | *  | *  |
| 27 | 17   | 20 | 22 | 22 | 20 | 17 | 14 | 12 | 11 | 11 | 13 | 16 | 20 | 23 | 26 | 26 | 25 | 22 | 18 | 15 | 12 | 11 | 11 | 13 | 417 | 17.4 |   | 2:31 | 22  | 14:46 | 26 | *  | *  | *     | *  | 8:24  | 11 | 21:33 | 11 | *  | *  | *  | *  |
| 28 | 16   | 19 | 22 | 23 | 21 | 18 | 14 | 10 | 7  | 7  | 7  | 10 | 14 | 20 | 24 | 27 | 27 | 26 | 23 | 20 | 17 | 15 | 14 | 14 | 415 | 17.3 |   | 2:51 | 23  | 15:50 | 28 | *  | *  | *     | *  | 9:0   | 7  | 22:13 | 14 | *  | *  | *  | *  |
| 29 | 16   | 20 | 22 | 24 | 23 | 20 | 16 | 10 | 6  | 4  | 4  | 5  | 9  | 14 | 20 | 25 | 28 | 28 | 27 | 24 | 21 | 19 | 18 | 18 | 421 | 17.5 | F | 3:14 | 24  | 16:48 | 29 | *  | *  | *     | *  | 9:40  | 4  | 22:49 | 18 | *  | *  | *  | *  |
| 30 | 19   | 21 | 23 | 25 | 26 | 24 | 19 | 14 | 8  | 4  | 2  | 3  | 5  | 10 | 15 | 21 | 26 | 29 | 29 | 28 | 25 | 23 | 22 | 22 | 443 | 18.5 |   | 3:39 | 26  | 17:43 | 29 | *  | *  | *     | *  | 10:22 | #2 | 23:20 | 22 | *  | *  | *  | *  |
| 31 | 22   | 23 | 25 | 27 | 28 | 27 | 24 | 18 | 12 | 7  | 4  | 3  | 4  | 6  | 11 | 17 | 22 | 27 | 29 | 29 | 28 | 27 | 26 | 25 | 471 | 19.6 |   | 4:2  | 28  | 18:39 | 30 | *  | *  | *     | *  | 11:5  | 3  | 23:39 | 25 | *  | *  | *  | *  |

| N   | Sum   | Mean | 推算月最高潮位 |    |    | 推算月最低潮位   |    |    |
|-----|-------|------|---------|----|----|-----------|----|----|
|     |       |      | 起時      | 潮位 | 回数 | 起時        | 潮位 | 回数 |
| 744 | 15387 | 20.7 | 8日3時43分 | 33 | 2  | 30日10時22分 | 2  | 1  |

# 推算潮位 (毎時・満干潮)

地点名: 留萌

緯度: 43 °57 N

経度: 141 °38 E

潮位表基準面の零点: 平均海面下 16.0(cm)

2023 年 11 月

| 日  | 毎時潮位 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 満潮 |     |      |   |      |      |       |      | 干潮 |    |    |       |       |      |       |    |    |    |    |    |
|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|------|---|------|------|-------|------|----|----|----|-------|-------|------|-------|----|----|----|----|----|
|    | 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 日合計 | 日平均  | 月 | 時刻   | 潮位   | 時刻    | 潮位   | 時刻 | 潮位 | 時刻 | 潮位    | 時刻    | 潮位   | 時刻    | 潮位 | 時刻 | 潮位 | 時刻 | 潮位 |
| 1  | 25   | 26 | 27 | 28 | 29 | 29 | 27 | 23 | 17 | 12 | 7  | 5  | 4  | 6  | 9  | 13 | 19 | 23 | 27 | 29 | 29 | 29 | 28 | 28 | 499 | 20.8 |   | 4:22 | 29   | 19:41 | 29   | *  | *  | *  | *     | 11:49 | 4    | 22:55 | 28 | *  | *  | *  | *  |
| 2  | 28   | 28 | 29 | 29 | 30 | 30 | 29 | 26 | 22 | 17 | 12 | 8  | 7  | 7  | 8  | 11 | 15 | 20 | 24 | 27 | 28 | 29 | 29 | 29 | 522 | 21.8 |   | 4:31 | # 30 | *     | *    | *  | *  | *  | *     | 12:33 | 6    | *     | *  | *  | *  | *  | *  |
| 3  | 29   | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 25 | 21 | 16 | 13 | 10 | 9  | 9  | 11 | 13 | 17 | 20 | 23 | 26 | 27 | 28 | 29 | 533 | 22.2 |   | 4:0  | # 30 | *     | *    | *  | *  | *  | *     | 13:21 | 9    | *     | *  | *  | *  | *  | *  |
| 4  | 29   | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 26 | 23 | 20 | 16 | 13 | 11 | 10 | 11 | 12 | 14 | 17 | 20 | 22 | 24 | 26 | 27 | 528 | 22.0 |   | 2:48 | # 30 | *     | *    | *  | *  | *  | *     | 14:15 | 10   | *     | *  | *  | *  | *  | *  |
| 5  | 28   | 29 | 29 | 29 | 29 | 28 | 27 | 26 | 25 | 24 | 21 | 19 | 16 | 14 | 12 | 12 | 12 | 13 | 14 | 16 | 18 | 21 | 23 | 24 | 509 | 21.2 | L | 2:46 | 29   | *     | *    | *  | *  | *  | *     | 15:20 | 11   | *     | *  | *  | *  | *  | *  |
| 6  | 26   | 26 | 27 | 27 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 18 | 16 | 14 | 13 | 12 | 12 | 12 | 13 | 15 | 17 | 19 | 21 | 476 | 19.8 |   | 2:39 | 27   | *     | *    | *  | *  | *  | *     | 16:40 | 12   | *     | *  | *  | *  | *  | *  |
| 7  | 23   | 24 | 24 | 24 | 24 | 23 | 22 | 21 | 20 | 20 | 20 | 20 | 19 | 18 | 16 | 14 | 13 | 12 | 11 | 12 | 13 | 14 | 16 | 18 | 441 | 18.4 |   | 2:20 | 24   | *     | *    | *  | *  | *  | *     | 18:0  | 11   | *     | *  | *  | *  | *  | *  |
| 8  | 20   | 21 | 22 | 22 | 21 | 20 | 18 | 17 | 17 | 17 | 17 | 18 | 19 | 18 | 17 | 16 | 14 | 12 | 11 | 11 | 11 | 12 | 14 | 16 | 401 | 16.7 |   | 2:6  | 22   | 12:6  | 19   | *  | *  | *  | *     | 8:25  | 17   | 19:1  | 11 | *  | *  | *  | *  |
| 9  | 18   | 20 | 20 | 20 | 18 | 17 | 15 | 14 | 13 | 13 | 14 | 16 | 17 | 18 | 18 | 17 | 16 | 14 | 12 | 11 | 11 | 12 | 13 | 15 | 372 | 15.5 |   | 2:0  | 20   | 13:25 | 18   | *  | *  | *  | *     | 8:21  | 13   | 19:48 | 11 | *  | *  | *  | *  |
| 10 | 17   | 18 | 19 | 19 | 17 | 15 | 13 | 11 | 10 | 10 | 11 | 13 | 16 | 18 | 19 | 19 | 18 | 16 | 14 | 13 | 12 | 12 | 13 | 15 | 358 | 14.9 |   | 2:0  | 19   | 14:27 | 19   | *  | *  | *  | *     | 8:33  | 10   | 20:25 | 12 | *  | *  | *  | *  |
| 11 | 17   | 18 | 19 | 19 | 17 | 14 | 11 | 9  | 7  | 7  | 8  | 10 | 13 | 17 | 19 | 21 | 20 | 19 | 17 | 15 | 14 | 14 | 14 | 15 | 354 | 14.8 |   | 2:5  | 19   | 15:19 | 21   | *  | *  | *  | *     | 8:52  | 7    | 20:59 | 14 | *  | *  | *  | *  |
| 12 | 17   | 19 | 20 | 20 | 18 | 15 | 11 | 8  | 6  | 5  | 5  | 7  | 11 | 15 | 19 | 22 | 23 | 22 | 20 | 18 | 17 | 16 | 16 | 17 | 367 | 15.3 |   | 2:14 | 20   | 16:5  | 23   | *  | *  | *  | *     | 9:16  | 5    | 21:30 | 16 | *  | *  | *  | *  |
| 13 | 19   | 21 | 22 | 22 | 20 | 17 | 13 | 9  | 5  | 4  | 3  | 5  | 8  | 13 | 18 | 22 | 25 | 25 | 24 | 22 | 21 | 19 | 19 | 20 | 396 | 16.5 | N | 2:26 | 22   | 16:49 | 25   | *  | *  | *  | *     | 9:43  | 3    | 22:0  | 19 | *  | *  | *  | *  |
| 14 | 21   | 22 | 24 | 24 | 23 | 20 | 16 | 11 | 6  | 4  | 2  | 3  | 5  | 10 | 16 | 21 | 25 | 27 | 28 | 26 | 24 | 23 | 22 | 22 | 425 | 17.7 |   | 2:42 | 24   | 17:33 | 28   | *  | *  | *  | *     | 10:14 | 2    | 22:25 | 22 | *  | *  | *  | *  |
| 15 | 23   | 24 | 26 | 26 | 26 | 23 | 19 | 14 | 9  | 5  | 3  | 2  | 3  | 7  | 12 | 18 | 23 | 27 | 29 | 29 | 27 | 26 | 25 | 25 | 451 | 18.8 |   | 3:1  | 26   | 18:19 | 29   | *  | *  | *  | *     | 10:49 | 2    | 22:40 | 25 | *  | *  | *  | *  |
| 16 | 25   | 26 | 27 | 28 | 28 | 26 | 23 | 18 | 13 | 8  | 4  | 2  | 2  | 4  | 8  | 14 | 20 | 25 | 28 | 30 | 29 | 28 | 27 | 27 | 470 | 19.6 |   | 3:22 | 28   | 19:12 | # 30 | *  | *  | *  | *     | 11:30 | 2    | 22:46 | 27 | *  | *  | *  | *  |
| 17 | 27   | 28 | 29 | 29 | 30 | 29 | 26 | 22 | 17 | 11 | 7  | 4  | 3  | 3  | 5  | 9  | 15 | 20 | 25 | 28 | 29 | 28 | 28 | 28 | 480 | 20.0 |   | 3:44 | # 30 | 20:14 | 29   | *  | *  | *  | *     | 12:18 | 2    | 22:53 | 28 | *  | *  | *  | *  |
| 18 | 28   | 28 | 29 | 30 | 30 | 30 | 28 | 25 | 21 | 16 | 11 | 7  | 4  | 3  | 4  | 6  | 9  | 14 | 19 | 23 | 26 | 27 | 27 | 27 | 472 | 19.7 |   | 4:5  | # 30 | *     | *    | *  | *  | *  | 13:14 | 3     | *    | *     | *  | *  | *  | *  |    |
| 19 | 27   | 28 | 28 | 28 | 29 | 29 | 28 | 26 | 23 | 20 | 15 | 11 | 7  | 5  | 4  | 4  | 6  | 9  | 13 | 17 | 21 | 23 | 25 | 25 | 451 | 18.8 |   | 4:23 | 29   | *     | *    | *  | *  | *  | 14:19 | 4     | *    | *     | *  | *  | *  | *  |    |
| 20 | 25   | 25 | 26 | 26 | 26 | 26 | 26 | 25 | 24 | 22 | 18 | 15 | 11 | 8  | 6  | 5  | 5  | 6  | 8  | 12 | 15 | 19 | 21 | 22 | 422 | 17.6 | U | 4:7  | 26   | *     | *    | *  | *  | *  | 15:35 | 5     | *    | *     | *  | *  | *  | *  |    |
| 21 | 23   | 23 | 23 | 23 | 22 | 22 | 22 | 22 | 22 | 21 | 20 | 18 | 15 | 12 | 10 | 8  | 6  | 6  | 6  | 8  | 11 | 14 | 17 | 19 | 393 | 16.4 |   | 0:15 | 23   | *     | *    | *  | *  | *  | 16:59 | 6     | *    | *     | *  | *  | *  | *  |    |
| 22 | 20   | 20 | 20 | 19 | 18 | 17 | 17 | 17 | 17 | 18 | 19 | 19 | 18 | 16 | 14 | 11 | 9  | 8  | 7  | 7  | 9  | 11 | 14 | 17 | 362 | 15.1 |   | 0:20 | 20   | 10:29 | 19   | *  | *  | *  | *     | 6:36  | 17   | 18:18 | 7  | *  | *  | *  | *  |
| 23 | 19   | 19 | 18 | 16 | 14 | 13 | 12 | 12 | 12 | 13 | 15 | 17 | 18 | 18 | 17 | 15 | 13 | 11 | 10 | 9  | 9  | 10 | 13 | 16 | 339 | 14.1 |   | 0:37 | 19   | 12:31 | 18   | *  | *  | *  | *     | 7:2   | 12   | 19:26 | 9  | *  | *  | *  | *  |
| 24 | 18   | 18 | 18 | 15 | 13 | 10 | 8  | 7  | 7  | 8  | 10 | 13 | 17 | 19 | 20 | 19 | 18 | 16 | 14 | 13 | 12 | 12 | 13 | 16 | 334 | 13.9 |   | 0:57 | 18   | 14:4  | 20   | *  | *  | *  | *     | 7:36  | 7    | 20:24 | 12 | *  | *  | *  | *  |
| 25 | 18   | 19 | 19 | 17 | 13 | 9  | 6  | 4  | 3  | 3  | 5  | 9  | 13 | 17 | 20 | 22 | 21 | 20 | 18 | 17 | 16 | 15 | 15 | 17 | 336 | 14.0 |   | 1:20 | 19   | 15:19 | 22   | *  | *  | *  | *     | 8:14  | 3    | 21:13 | 15 | *  | *  | *  | *  |
| 26 | 19   | 21 | 21 | 20 | 16 | 12 | 7  | 3  | 1  | 0  | 1  | 4  | 9  | 14 | 19 | 22 | 24 | 24 | 22 | 21 | 20 | 19 | 19 | 19 | 357 | 14.9 |   | 1:45 | 21   | 16:22 | 24   | *  | *  | *  | *     | 8:53  | 0    | 21:57 | 19 | *  | *  | *  | *  |
| 27 | 20   | 22 | 23 | 23 | 20 | 16 | 10 | 5  | 1  | -1 | -1 | 1  | 5  | 11 | 16 | 21 | 25 | 26 | 26 | 24 | 23 | 22 | 22 | 22 | 382 | 15.9 | F | 2:13 | 23   | 17:16 | 26   | *  | *  | *  | *     | 9:32  | # -1 | 22:35 | 22 | *  | *  | *  | *  |
| 28 | 23   | 24 | 25 | 25 | 24 | 20 | 15 | 9  | 4  | 1  | -1 | 0  | 3  | 7  | 13 | 19 | 23 | 26 | 27 | 27 | 26 | 25 | 24 | 24 | 414 | 17.3 |   | 2:41 | 25   | 18:6  | 27   | *  | *  | *  | *     | 10:12 | # -1 | 23:7  | 24 | *  | *  | *  | *  |
| 29 | 25   | 25 | 26 | 27 | 27 | 24 | 20 | 15 | 9  | 4  | 1  | 0  | 2  | 5  | 10 | 16 | 21 | 25 | 27 | 28 | 28 | 27 | 26 | 26 | 444 | 18.5 |   | 3:10 | 27   | 18:53 | 28   | *  | *  | *  | *     | 10:53 | 0    | 23:18 | 26 | *  | *  | *  | *  |
| 30 | 26   | 27 | 27 | 28 | 28 | 27 | 24 | 19 | 14 | 8  | 4  | 2  | 2  | 4  | 7  | 12 | 18 | 22 | 26 | 27 | 28 | 27 | 27 | 27 | 461 | 19.2 |   | 3:36 | 28   | 19:44 | 28   | *  | *  | *  | *     | 11:34 | 2    | 22:49 | 27 | *  | *  | *  | *  |

| N<br>総回数 | Sum<br>推算月合計 | Mean<br>推算月平均 | 推算月最高潮位 |    |    | 推算月最低潮位   |    |    |
|----------|--------------|---------------|---------|----|----|-----------|----|----|
|          |              |               | 起時      | 潮位 | 回数 | 起時        | 潮位 | 回数 |
| 720      | 12749        | 17.7          | 18日4時5分 | 30 | 6  | 28日10時12分 | -1 | 2  |

# 推算潮位 ( 毎時・満干潮 )

地点名: 留萌

緯度: 43 °57 N

経度: 141 °38 E

潮位表基準面の零点: 平均海面下 16.0(cm)

2023 年 12 月

| 日  | 毎時潮位 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 日合計 |     | 日平均  |    | 月     |     | 満潮    |     |    |    |    |    |      |       | 干潮    |     |       |    |   |   |   |   |   |
|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|------|----|-------|-----|-------|-----|----|----|----|----|------|-------|-------|-----|-------|----|---|---|---|---|---|
|    | 0    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23  | 時刻  | 潮位   | 時刻 | 潮位    | 時刻  | 潮位    | 時刻  | 潮位 | 時刻 | 潮位 | 時刻 | 潮位   | 時刻    | 潮位    | 時刻  | 潮位    |    |   |   |   |   |   |
| 1  | 27   | 27 | 27 | 28 | 28 | 28 | 26 | 23 | 18 | 13 | 8  | 5  | 3  | 4  | 6  | 10 | 14 | 19 | 22 | 25 | 26 | 26 | 26 | 26  | 465 | 19.4 |    | 3:57  | #28 | *     | *   | *  | *  | *  | *  | *    | 12:15 | 3     | *   | *     | *  | * | * | * |   |   |
| 2  | 26   | 26 | 27 | 27 | 27 | 27 | 26 | 24 | 20 | 16 | 11 | 8  | 5  | 4  | 5  | 7  | 11 | 15 | 18 | 21 | 23 | 24 | 24 | 24  | 446 | 18.6 |    | 4:7   | 27  | *     | *   | *  | *  | *  | *  | *    | 12:58 | 4     | *   | *     | *  | * | * | * |   |   |
| 3  | 25   | 25 | 25 | 25 | 25 | 25 | 24 | 23 | 21 | 18 | 14 | 10 | 7  | 5  | 5  | 6  | 8  | 11 | 15 | 17 | 20 | 21 | 22 | 22  | 419 | 17.5 |    | 3:40  | 25  | *     | *   | *  | *  | *  | *  | *    | 13:42 | 5     | *   | *     | *  | * | * | * |   |   |
| 4  | 22   | 22 | 22 | 22 | 22 | 22 | 22 | 21 | 20 | 18 | 15 | 12 | 9  | 7  | 6  | 6  | 7  | 9  | 11 | 14 | 16 | 18 | 19 | 19  | 381 | 15.9 |    | 2:17  | 22  | *     | *   | *  | *  | *  | *  | *    | 14:27 | 6     | *   | *     | *  | * | * | * |   |   |
| 5  | 20   | 20 | 19 | 19 | 19 | 18 | 18 | 18 | 17 | 16 | 15 | 13 | 11 | 8  | 7  | 6  | 7  | 8  | 9  | 11 | 13 | 15 | 16 | 17  | 340 | 14.2 | L  | 0:11  | 20  | 23:59 | 17  | *  | *  | *  | *  | *    | *     | 15:13 | 6   | *     | *  | * | * | * | * |   |
| 6  | 17   | 17 | 17 | 16 | 15 | 15 | 14 | 14 | 14 | 14 | 13 | 13 | 11 | 10 | 9  | 8  | 7  | 8  | 9  | 10 | 11 | 13 | 14 | 15  | 304 | 12.7 |    | *     | *   | *     | *   | *  | *  | *  | *  | 16:1 | 7     | *     | *   | *     | *  | * | * |   |   |   |
| 7  | 16   | 15 | 15 | 14 | 12 | 11 | 10 | 10 | 10 | 10 | 11 | 12 | 12 | 11 | 10 | 10 | 9  | 9  | 9  | 10 | 11 | 12 | 14 | 15  | 278 | 11.6 |    | 0:0   | 16  | 11:38 | 12  | *  | *  | *  | *  | *    | *     | 7:24  | 10  | 16:56 | 9  | * | * | * | * | * |
| 8  | 15   | 15 | 14 | 12 | 11 | 9  | 7  | 6  | 6  | 7  | 9  | 10 | 12 | 13 | 13 | 12 | 12 | 11 | 11 | 11 | 12 | 13 | 14 | 15  | 270 | 11.3 |    | 0:5   | 15  | 13:27 | 13  | *  | *  | *  | *  | *    | *     | 7:35  | 6   | 18:2  | 11 | * | * | * | * | * |
| 9  | 16   | 15 | 14 | 12 | 10 | 8  | 6  | 4  | 3  | 4  | 6  | 9  | 11 | 14 | 15 | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 15 | 16  | 278 | 11.6 |    | 0:13  | 16  | 14:50 | 15  | *  | *  | *  | *  | *    | *     | 7:56  | 3   | 19:10 | 14 | * | * | * | * | * |
| 10 | 17   | 17 | 16 | 14 | 11 | 8  | 5  | 3  | 1  | 2  | 4  | 7  | 10 | 14 | 17 | 18 | 18 | 18 | 17 | 17 | 16 | 17 | 17 | 18  | 302 | 12.6 |    | 0:25  | 17  | 15:46 | 18  | *  | *  | *  | *  | *    | *     | 8:22  | 1   | 20:10 | 16 | * | * | * | * | * |
| 11 | 19   | 19 | 18 | 16 | 13 | 9  | 6  | 2  | 0  | 0  | 1  | 4  | 9  | 13 | 17 | 20 | 22 | 22 | 21 | 20 | 20 | 19 | 20 | 20  | 330 | 13.8 |    | 0:43  | 19  | 16:28 | 22  | *  | *  | *  | *  | *    | *     | 8:51  | 0   | 21:1  | 19 | * | * | * | * | * |
| 12 | 21   | 22 | 21 | 19 | 16 | 12 | 8  | 4  | 0  | -1 | -1 | 1  | 6  | 11 | 17 | 21 | 24 | 25 | 24 | 23 | 23 | 22 | 22 | 22  | 362 | 15.1 |    | 1:8   | 22  | 17:7  | 25  | *  | *  | *  | *  | *    | *     | 9:24  | -1  | 21:41 | 22 | * | * | * | * | * |
| 13 | 23   | 24 | 24 | 23 | 20 | 16 | 11 | 6  | 2  | -1 | -2 | -1 | 2  | 7  | 14 | 19 | 24 | 26 | 27 | 26 | 25 | 24 | 24 | 24  | 387 | 16.1 | N  | 1:39  | 24  | 17:47 | 27  | *  | *  | *  | *  | *    | *     | 10:2  | -2  | 22:8  | 24 | * | * | * | * | * |
| 14 | 25   | 26 | 26 | 26 | 24 | 21 | 16 | 10 | 4  | 0  | -2 | -3 | -1 | 3  | 9  | 15 | 21 | 25 | 27 | 27 | 26 | 26 | 25 | 25  | 401 | 16.7 |    | 2:16  | 26  | 18:30 | #28 | *  | *  | *  | *  | *    | *     | 10:45 | -3  | 22:21 | 25 | * | * | * | * | * |
| 15 | 26   | 26 | 27 | 28 | 27 | 25 | 20 | 15 | 9  | 3  | -1 | -3 | -3 | -1 | 4  | 10 | 16 | 22 | 25 | 27 | 26 | 26 | 25 | 25  | 404 | 16.8 |    | 2:58  | #28 | 19:15 | 27  | *  | *  | *  | *  | *    | *     | 11:33 | -3  | 22:37 | 25 | * | * | * | * | * |
| 16 | 25   | 26 | 27 | 27 | 28 | 27 | 24 | 19 | 13 | 7  | 2  | -2 | -3 | -3 | -1 | 4  | 10 | 16 | 21 | 24 | 25 | 24 | 23 | 23  | 386 | 16.1 |    | 3:44  | #28 | 20:3  | 25  | *  | *  | *  | *  | *    | *     | 12:24 | #-4 | 23:6  | 23 | * | * | * | * | * |
| 17 | 23   | 24 | 24 | 25 | 26 | 26 | 25 | 22 | 18 | 12 | 6  | 2  | -2 | -3 | -3 | 0  | 4  | 10 | 15 | 19 | 21 | 22 | 21 | 21  | 358 | 14.9 |    | 4:36  | 26  | 20:51 | 22  | *  | *  | *  | *  | *    | *     | 13:17 | -3  | 23:56 | 20 | * | * | * | * | * |
| 18 | 20   | 21 | 21 | 22 | 23 | 23 | 23 | 22 | 20 | 16 | 11 | 6  | 2  | -1 | -2 | -1 | 1  | 5  | 9  | 14 | 17 | 19 | 19 | 18  | 328 | 13.7 |    | 5:35  | 24  | 21:34 | 19  | *  | *  | *  | *  | *    | *     | 14:12 | -2  | *     | *  | * | * | * | * |   |
| 19 | 17   | 17 | 17 | 17 | 18 | 18 | 19 | 20 | 19 | 17 | 14 | 10 | 6  | 3  | 1  | 1  | 1  | 3  | 6  | 10 | 13 | 15 | 16 | 16  | 294 | 12.3 |    | 6:50  | 20  | 22:10 | 17  | *  | *  | *  | *  | *    | *     | 1:25  | 17  | 15:8  | 1  | * | * | * | * | * |
| 20 | 15   | 14 | 13 | 13 | 12 | 13 | 14 | 14 | 15 | 15 | 14 | 13 | 10 | 7  | 5  | 4  | 4  | 4  | 6  | 8  | 11 | 13 | 15 | 15  | 267 | 11.1 | U  | 8:39  | 15  | 22:42 | 15  | *  | *  | *  | *  | *    | *     | 3:45  | 12  | 16:7  | 4  | * | * | * | * | * |
| 21 | 14   | 12 | 10 | 9  | 8  | 8  | 8  | 9  | 10 | 11 | 13 | 13 | 12 | 11 | 10 | 9  | 8  | 8  | 8  | 9  | 10 | 12 | 14 | 15  | 251 | 10.5 |    | 10:53 | 13  | 23:10 | 15  | *  | *  | *  | *  | *    | *     | 5:19  | 8   | 17:14 | 8  | * | * | * | * | * |
| 22 | 14   | 13 | 10 | 8  | 6  | 4  | 3  | 3  | 4  | 6  | 9  | 11 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 13 | 15 | 16  | 247 | 10.3 |    | 13:15 | 13  | 23:38 | 16  | *  | *  | *  | *  | *    | *     | 6:26  | 3   | 18:40 | 12 | * | * | * | * | * |
| 23 | 16   | 15 | 12 | 9  | 6  | 3  | 1  | 0  | 0  | 2  | 4  | 8  | 11 | 14 | 15 | 16 | 16 | 16 | 16 | 16 | 15 | 15 | 16 | 17  | 259 | 10.8 |    | 15:58 | 16  | *     | *   | *  | *  | *  | *  | 7:20 | 0     | 20:11 | 15  | *     | *  | * | * | * |   |   |
| 24 | 18   | 17 | 15 | 12 | 8  | 4  | 1  | -1 | -2 | -2 | 1  | 4  | 9  | 13 | 16 | 18 | 19 | 20 | 20 | 19 | 19 | 18 | 18 | 19  | 283 | 11.8 |    | 0:7   | 18  | 17:8  | 20  | *  | *  | *  | *  | *    | *     | 8:7   | -2  | 21:24 | 18 | * | * | * | * | * |
| 25 | 20   | 20 | 19 | 16 | 12 | 8  | 3  | 0  | -2 | -3 | -2 | 1  | 6  | 11 | 15 | 19 | 21 | 22 | 22 | 22 | 22 | 21 | 21 | 21  | 315 | 13.1 |    | 0:41  | 20  | 17:40 | 22  | *  | *  | *  | *  | *    | *     | 8:49  | -3  | 22:19 | 21 | * | * | * | * | * |
| 26 | 22   | 22 | 22 | 20 | 17 | 12 | 7  | 3  | -1 | -3 | -3 | -1 | 3  | 8  | 14 | 18 | 22 | 24 | 24 | 24 | 24 | 23 | 23 | 22  | 346 | 14.4 |    | 1:19  | 22  | 18:2  | 24  | *  | *  | *  | *  | *    | *     | 9:29  | -3  | 22:58 | 22 | * | * | * | * | * |
| 27 | 23   | 23 | 24 | 23 | 21 | 17 | 12 | 7  | 2  | -1 | -2 | -2 | 1  | 6  | 11 | 16 | 21 | 24 | 25 | 25 | 24 | 24 | 23 | 23  | 370 | 15.4 | F  | 2:1   | 24  | 18:25 | 25  | *  | *  | *  | *  | *    | *     | 10:9  | -2  | 23:21 | 23 | * | * | * | * | * |
| 28 | 23   | 24 | 25 | 25 | 24 | 21 | 17 | 11 | 6  | 1  | -1 | -2 | 0  | 3  | 8  | 14 | 18 | 22 | 24 | 25 | 24 | 24 | 23 | 23  | 382 | 15.9 |    | 2:45  | 25  | 18:51 | 25  | *  | *  | *  | *  | *    | *     | 10:47 | -2  | 23:23 | 23 | * | * | * | * | * |
| 29 | 23   | 23 | 24 | 25 | 25 | 23 | 20 | 15 | 10 | 4  | 1  | -1 | -1 | 1  | 5  | 10 | 15 | 19 | 22 | 23 | 23 | 22 | 22 | 22  | 375 | 15.6 |    | 3:27  | 25  | 19:19 | 23  | *  | *  | *  | *  | *    | *     | 11:25 | -1  | 23:15 | 22 | * | * | * | * | * |
| 30 | 22   | 22 | 23 | 23 | 24 | 23 | 21 | 18 | 13 | 7  | 3  | 0  | -1 | 0  | 2  | 6  | 11 | 16 | 19 | 21 | 21 | 21 | 20 | 19  | 354 | 14.8 |    | 4:6   | 24  | 19:49 | 21  | *  | *  | *  | *  | *    | *     | 12:3  | -1  | 23:49 | 19 | * | * | * | * | * |
| 31 | 19   | 19 | 20 | 21 | 22 | 22 | 21 | 19 | 15 | 10 | 5  | 1  | -1 | -1 | 0  | 3  | 7  | 11 | 15 | 17 | 18 | 18 | 17 | 17  | 315 | 13.1 |    | 4:44  | 22  | 20:18 | 18  | *  | *  | *  | *  | *    | *     | 12:40 | -1  | *     | *  | * | * | * | * | * |

| N   | Sum   | Mean | 推算月最高潮位  |       |       | 推算月最低潮位   |    |    |
|-----|-------|------|----------|-------|-------|-----------|----|----|
|     |       |      | 総回数      | 推算月合計 | 推算月平均 | 起時        | 潮位 | 回数 |
| 744 | 10497 | 14.1 | 16日3時44分 | 28    | 4     | 16日12時24分 | -4 | 1  |