

推算潮位（毎時・満干潮）

地点名：直江津

緯度：37 °11 N

経度：138 °15 E

潮位表基準面の零点：平均海面下 19.0(cm)

2018 年 1 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 | | | | |
| 1 | 27 | 26 | 23 | 18 | 12 | 6 | 0 | -4 | -5 | -4 | 0 | 5 | 11 | 16 | 20 | 21 | 21 | 19 | 18 | 17 | 17 | 18 | 22 | 25 | 329 | 13.7 | | 0:10 | 27 | 15:16 | 21 | * | * | * | * | 8: 7 | -5 | 19:29 | 17 | * | * | * | * |
| 2 | 28 | 29 | 28 | 24 | 19 | 12 | 5 | -1 | -6 | -7 | -5 | 0 | 6 | 13 | 18 | 21 | 23 | 22 | 20 | 19 | 18 | 18 | 20 | 24 | 348 | 14.5 | F | 0:58 | 29 | 16: 6 | 23 | * | * | * | * | 8:57 | -7 | 20:21 | 17 | * | * | * | * |
| 3 | 28 | 31 | 31 | 30 | 25 | 19 | 12 | 4 | -2 | -6 | -7 | -5 | 1 | 7 | 14 | 19 | 22 | 23 | 22 | 20 | 18 | 17 | 18 | 21 | 362 | 15.1 | | 1:51 | 31 | 16:49 | 23 | * | * | * | * | 9:47 | -7 | 21:12 | 17 | * | * | * | * |
| 4 | 25 | 29 | 32 | 32 | 30 | 26 | 19 | 11 | 4 | -2 | -6 | -6 | -3 | 3 | 9 | 15 | 20 | 23 | 23 | 21 | 19 | 17 | 17 | 17 | 375 | 15.6 | | 2:46 | # 32 | 17:32 | 23 | * | * | * | * | 10:37 | -7 | 22: 4 | 17 | * | * | * | * |
| 5 | 20 | 25 | 29 | 31 | 32 | 29 | 25 | 18 | 11 | 4 | -2 | -5 | -4 | -1 | 5 | 11 | 17 | 20 | 22 | 22 | 20 | 18 | 16 | 15 | 378 | 15.8 | | 3:41 | # 32 | 18:14 | 22 | * | * | * | * | 11:25 | -5 | 22:58 | 15 | * | * | * | * |
| 6 | 16 | 19 | 23 | 27 | 29 | 29 | 27 | 23 | 16 | 10 | 4 | 0 | -2 | -2 | 2 | 7 | 13 | 17 | 20 | 21 | 20 | 18 | 16 | 14 | 367 | 15.3 | | 4:36 | 29 | 18:57 | 21 | * | * | * | * | 12:12 | -3 | 23:58 | 14 | * | * | * | * |
| 7 | 14 | 15 | 17 | 21 | 24 | 25 | 25 | 23 | 20 | 15 | 9 | 5 | 1 | 0 | 2 | 5 | 10 | 14 | 18 | 20 | 20 | 19 | 17 | 15 | 354 | 14.8 | | 5:32 | 26 | 19:39 | 20 | * | * | * | * | 12:57 | 0 | * | * | * | * | * | * |
| 8 | 13 | 12 | 13 | 14 | 17 | 19 | 21 | 21 | 19 | 16 | 13 | 9 | 6 | 3 | 3 | 5 | 8 | 12 | 15 | 18 | 19 | 19 | 17 | 15 | 327 | 13.6 | | 6:31 | 21 | 20:21 | 19 | * | * | * | * | 1: 5 | 12 | 13:39 | 3 | * | * | * | * |
| 9 | 13 | 11 | 10 | 10 | 11 | 13 | 15 | 16 | 16 | 15 | 13 | 11 | 9 | 7 | 6 | 6 | 8 | 10 | 13 | 16 | 18 | 18 | 18 | 16 | 299 | 12.5 | L | 7:44 | 16 | 21: 1 | 18 | * | * | * | * | 2:25 | 10 | 14:19 | 6 | * | * | * | * |
| 10 | 14 | 11 | 9 | 7 | 7 | 7 | 9 | 10 | 12 | 12 | 12 | 12 | 10 | 9 | 8 | 8 | 9 | 10 | 12 | 15 | 17 | 18 | 18 | 17 | 273 | 11.4 | | 9:28 | 12 | 21:37 | 18 | * | * | * | * | 3:57 | 7 | 14:53 | 8 | * | * | * | * |
| 11 | 15 | 12 | 9 | 7 | 5 | 4 | 4 | 5 | 7 | 8 | 10 | 11 | 11 | 11 | 10 | 10 | 10 | 11 | 12 | 14 | 16 | 17 | 18 | 18 | 255 | 10.6 | | 11:52 | 11 | 22:10 | 18 | * | * | * | * | 5:21 | 4 | 15:21 | 10 | * | * | * | * |
| 12 | 16 | 14 | 11 | 8 | 5 | 2 | 1 | 1 | 3 | 5 | 7 | 9 | 10 | 11 | 12 | 12 | 12 | 12 | 12 | 14 | 15 | 17 | 18 | 19 | 246 | 10.3 | | 22:44 | 19 | * | * | * | * | 6:23 | 1 | * | * | * | * | * | * | | |
| 13 | 18 | 16 | 13 | 9 | 6 | 2 | 0 | -1 | 0 | 2 | 4 | 7 | 10 | 12 | 13 | 13 | 13 | 13 | 13 | 14 | 15 | 17 | 19 | 20 | 248 | 10.3 | | 23:19 | 20 | * | * | * | * | 7: 8 | -1 | * | * | * | * | * | * | | |
| 14 | 19 | 18 | 15 | 12 | 8 | 4 | 1 | -2 | -2 | -1 | 2 | 6 | 9 | 12 | 13 | 14 | 14 | 14 | 14 | 14 | 15 | 17 | 19 | 20 | 255 | 10.6 | | 23:58 | 21 | * | * | * | * | 7:45 | -2 | * | * | * | * | * | * | | |
| 15 | 21 | 20 | 18 | 15 | 11 | 6 | 2 | -1 | -3 | -2 | 0 | 4 | 8 | 11 | 14 | 15 | 15 | 15 | 14 | 14 | 15 | 16 | 18 | 21 | 267 | 11.1 | | 15:45 | 16 | * | * | * | * | 8:18 | -3 | 18:52 | 14 | * | * | * | * | | |
| 16 | 22 | 22 | 21 | 18 | 14 | 10 | 5 | 0 | -2 | -3 | -2 | 2 | 6 | 10 | 14 | 16 | 17 | 16 | 15 | 14 | 14 | 15 | 17 | 20 | 281 | 11.7 | | 0:40 | 23 | 16: 4 | 17 | * | * | * | * | 8:51 | -3 | 19:38 | 14 | * | * | * | * |
| 17 | 22 | 24 | 24 | 22 | 18 | 13 | 8 | 3 | -1 | -3 | -3 | 0 | 4 | 8 | 13 | 16 | 17 | 17 | 16 | 15 | 14 | 14 | 16 | 18 | 295 | 12.3 | N | 1:22 | 24 | 16:27 | 17 | * | * | * | * | 9:25 | -3 | 20:21 | 14 | * | * | * | * |
| 18 | 21 | 24 | 25 | 24 | 21 | 17 | 12 | 6 | 1 | -2 | -3 | -2 | 2 | 6 | 11 | 15 | 17 | 18 | 17 | 15 | 14 | 14 | 14 | 16 | 303 | 12.6 | | 2: 3 | 25 | 16:53 | 18 | * | * | * | * | 9:58 | -3 | 21: 2 | 14 | * | * | * | * |
| 19 | 19 | 22 | 24 | 25 | 23 | 20 | 15 | 9 | 4 | 0 | -3 | -3 | 0 | 4 | 9 | 13 | 16 | 17 | 17 | 16 | 14 | 13 | 13 | 14 | 301 | 12.5 | | 2:43 | 25 | 17:20 | 17 | * | * | * | * | 10:31 | -3 | 21:43 | 13 | * | * | * | * |
| 20 | 17 | 20 | 23 | 24 | 24 | 22 | 17 | 12 | 7 | 2 | -1 | -3 | -1 | 2 | 6 | 11 | 14 | 16 | 17 | 16 | 14 | 13 | 12 | 12 | 296 | 12.3 | | 3:22 | 24 | 17:47 | 17 | * | * | * | * | 11: 3 | -3 | 22:27 | 12 | * | * | * | * |
| 21 | 13 | 16 | 19 | 22 | 23 | 22 | 19 | 14 | 9 | 5 | 1 | -2 | -2 | 0 | 4 | 8 | 12 | 15 | 16 | 16 | 14 | 13 | 11 | 10 | 278 | 11.6 | | 4: 1 | 23 | 18:14 | 16 | * | * | * | * | 11:34 | -2 | 23:13 | 10 | * | * | * | * |
| 22 | 11 | 12 | 15 | 18 | 20 | 20 | 19 | 16 | 11 | 7 | 3 | 0 | -1 | 0 | 2 | 6 | 10 | 13 | 15 | 15 | 14 | 12 | 11 | 9 | 258 | 10.8 | | 4:42 | 20 | 18:41 | 15 | * | * | * | * | 12: 4 | -1 | * | * | * | * | * | * |
| 23 | 8 | 9 | 11 | 13 | 16 | 17 | 17 | 15 | 12 | 9 | 5 | 2 | 0 | 0 | 2 | 5 | 9 | 12 | 14 | 15 | 15 | 13 | 11 | 9 | 239 | 10.0 | | 5:29 | 17 | 19: 8 | 15 | * | * | * | * | 0: 5 | 8 | 12:34 | 0 | * | * | * | * |
| 24 | 7 | 6 | 7 | 8 | 11 | 13 | 14 | 14 | 12 | 10 | 7 | 5 | 3 | 2 | 3 | 5 | 8 | 11 | 13 | 15 | 15 | 14 | 12 | 9 | 224 | 9.3 | | 6:30 | 14 | 19:38 | 15 | * | * | * | * | 1: 6 | 6 | 13: 4 | 2 | * | * | * | * |
| 25 | 7 | 5 | 4 | 4 | 5 | 7 | 9 | 11 | 11 | 10 | 9 | 7 | 6 | 5 | 4 | 5 | 7 | 10 | 13 | 15 | 16 | 15 | 14 | 11 | 210 | 8.8 | U | 7:56 | 11 | 20:13 | 16 | * | * | * | * | 2:18 | 4 | 13:35 | 4 | * | * | * | * |
| 26 | 8 | 5 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 10 | 12 | 15 | 16 | 17 | 16 | 14 | 202 | 8.4 | | 9:59 | 9 | 20:55 | 17 | * | * | * | * | 3:40 | 1 | 14:11 | 7 | * | * | * | * |
| 27 | 11 | 7 | 3 | 0 | -2 | -2 | -2 | 0 | 3 | 6 | 8 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 12 | 14 | 16 | 18 | 18 | 17 | 198 | 8.3 | | 21:46 | 18 | * | * | * | * | 4:59 | -2 | * | * | * | * | * | * | | |
| 28 | 15 | 11 | 6 | 2 | -2 | -4 | -6 | -5 | -2 | 1 | 5 | 9 | 11 | 12 | 13 | 12 | 12 | 12 | 12 | 14 | 16 | 18 | 20 | 20 | 202 | 8.4 | | 14: 0 | 13 | 22:45 | 21 | * | * | * | * | 6: 8 | -6 | 16:47 | 12 | * | * | * | * |
| 29 | 19 | 16 | 12 | 6 | 1 | -3 | -7 | -8 | -7 | -4 | 0 | 5 | 10 | 13 | 14 | 15 | 14 | 13 | 13 | 13 | 15 | 17 | 20 | 22 | 209 | 8.7 | | 14:44 | 15 | 23:47 | 23 | * | * | * | * | 7: 7 | -8 | 18:13 | 13 | * | * | * | * |
| 30 | 23 | 21 | 18 | 13 | 7 | 0 | -5 | -9 | -10 | -9 | -5 | 1 | 6 | 11 | 15 | 16 | 16 | 15 | 13 | 13 | 13 | 15 | 18 | 21 | 217 | 9.0 | | 15:18 | 16 | * | * | * | * | 8: 1 | -10 | 19:19 | 13 | * | * | * | * | | |
| 31 | 24 | 25 | 23 | 19 | 14 | 7 | 0 | -6 | -10 | -11 | -9 | -4 | 2 | 8 | 13 | 16 | 17 | 16 | 14 | 12 | 11 | 12 | 14 | 18 | 225 | 9.4 | F | 0:51 | 25 | 15:50 | 17 | * | * | * | * | 8:50 | #-11 | 20:14 | 11 | * | * | * | * |

| N 総回数 | Sum 推算月合計 | Mean 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 |
| 744 | 8621 | 11.6 | 5日3時41分 | 32 | 2 | 31日8時50分 | -11 | 1 |

推算潮位 (毎時・満干潮)

地点名: 直江津

緯度: 37 °11 N

経度: 138 °15 E

潮位表基準面の零点: 平均海面下 19.0(cm)

2018 年 2 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 | | | | |
| 1 | 22 | 25 | 26 | 24 | 20 | 14 | 6 | -1 | -7 | -10 | -11 | -8 | -2 | 4 | 10 | 15 | 17 | 17 | 15 | 13 | 11 | 10 | 11 | 14 | 235 | 9.8 | | 1:52 | # 26 | 16:23 | 17 | * | * | * | * | 9:37 | -11 | 21: 7 | 10 | * | * | * | * |
| 2 | 18 | 22 | 25 | 26 | 24 | 20 | 13 | 6 | -1 | -7 | -10 | -9 | -6 | 0 | 7 | 12 | 16 | 17 | 16 | 13 | 11 | 9 | 8 | 9 | 239 | 10.0 | | 2:50 | # 26 | 16:56 | 17 | * | * | * | * | 10:22 | -10 | 21:58 | 8 | * | * | * | * |
| 3 | 12 | 17 | 21 | 24 | 25 | 23 | 18 | 11 | 5 | -2 | -6 | -8 | -7 | -2 | 3 | 9 | 14 | 16 | 16 | 14 | 11 | 9 | 6 | 6 | 235 | 9.8 | | 3:44 | 25 | 17:30 | 16 | * | * | * | * | 11: 4 | -8 | 22:50 | 6 | * | * | * | * |
| 4 | 7 | 11 | 15 | 19 | 22 | 22 | 20 | 15 | 9 | 4 | -1 | -5 | -6 | -3 | 1 | 6 | 11 | 15 | 16 | 15 | 13 | 9 | 6 | 4 | 225 | 9.4 | | 4:36 | 22 | 18: 3 | 16 | * | * | * | * | 11:44 | -6 | 23:44 | 4 | * | * | * | * |
| 5 | 4 | 6 | 9 | 13 | 16 | 18 | 18 | 16 | 12 | 7 | 3 | -1 | -3 | -2 | 1 | 5 | 9 | 13 | 15 | 15 | 13 | 11 | 8 | 5 | 211 | 8.8 | | 5:28 | 18 | 18:36 | 15 | * | * | * | * | 12:20 | -3 | * | * | * | * | * | * |
| 6 | 3 | 2 | 4 | 7 | 10 | 12 | 14 | 14 | 12 | 9 | 6 | 3 | 1 | 0 | 2 | 4 | 8 | 11 | 13 | 14 | 14 | 12 | 9 | 6 | 190 | 7.9 | | 6:24 | 14 | 19: 7 | 14 | * | * | * | * | 0:42 | 2 | 12:50 | 0 | * | * | * | * |
| 7 | 3 | 2 | 1 | 2 | 4 | 6 | 8 | 10 | 10 | 9 | 7 | 5 | 4 | 3 | 4 | 5 | 8 | 10 | 12 | 14 | 14 | 13 | 11 | 8 | 173 | 7.2 | | 7:34 | 10 | 19:36 | 14 | * | * | * | * | 1:48 | 1 | 13:10 | 3 | * | * | * | * |
| 8 | 5 | 2 | 1 | 0 | 0 | 2 | 3 | 5 | 6 | 7 | 7 | 6 | 6 | 6 | 6 | 7 | 8 | 10 | 12 | 13 | 14 | 13 | 12 | 10 | 161 | 6.7 | L | 9:25 | 7 | 20: 6 | 14 | * | * | * | * | 3: 7 | 0 | 13: 6 | 6 | * | * | * | * |
| 9 | 7 | 4 | 2 | 0 | -1 | -1 | -1 | 1 | 3 | 4 | 5 | 6 | 7 | 7 | 7 | 8 | 9 | 10 | 11 | 13 | 14 | 14 | 13 | 11 | 153 | 6.4 | | 20:42 | 14 | * | * | * | * | 4:33 | -2 | * | * | * | * | * | * | | |
| 10 | 9 | 6 | 4 | 1 | -1 | -3 | -3 | -2 | -1 | 1 | 4 | 5 | 7 | 8 | 9 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 14 | 13 | 150 | 6.3 | | 21:30 | 14 | * | * | * | * | 5:48 | -3 | * | * | * | * | * | * | | |
| 11 | 12 | 9 | 6 | 3 | 0 | -2 | -4 | -4 | -3 | -1 | 2 | 4 | 7 | 8 | 9 | 10 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 15 | 156 | 6.5 | | 22:29 | 15 | * | * | * | * | 6:41 | -4 | * | * | * | * | * | * | | |
| 12 | 14 | 12 | 9 | 6 | 2 | -1 | -4 | -5 | -5 | -3 | 0 | 3 | 6 | 9 | 10 | 11 | 11 | 11 | 10 | 11 | 12 | 13 | 15 | 16 | 163 | 6.8 | | 23:30 | 16 | * | * | * | * | 7:23 | -5 | * | * | * | * | * | * | | |
| 13 | 16 | 15 | 12 | 9 | 5 | 1 | -3 | -5 | -6 | -5 | -2 | 1 | 5 | 8 | 10 | 11 | 11 | 11 | 10 | 10 | 10 | 12 | 14 | 16 | 166 | 6.9 | | 15:24 | 11 | * | * | * | * | 7:59 | -6 | 18:50 | 10 | * | * | * | * | | |
| 14 | 17 | 17 | 15 | 13 | 8 | 4 | 0 | -4 | -6 | -6 | -4 | -1 | 3 | 7 | 10 | 12 | 12 | 11 | 10 | 9 | 9 | 10 | 12 | 15 | 173 | 7.2 | | 0:26 | 17 | 15:36 | 12 | * | * | * | * | 8:33 | -7 | 19:38 | 9 | * | * | * | * |
| 15 | 17 | 18 | 18 | 16 | 12 | 7 | 2 | -2 | -6 | -7 | -6 | -3 | 1 | 6 | 9 | 12 | 12 | 11 | 10 | 9 | 8 | 8 | 10 | 13 | 175 | 7.3 | | 1:16 | 18 | 15:53 | 12 | * | * | * | * | 9: 5 | -7 | 20:19 | 8 | * | * | * | * |
| 16 | 16 | 18 | 19 | 18 | 15 | 10 | 5 | 0 | -4 | -7 | -7 | -5 | -1 | 4 | 8 | 11 | 12 | 12 | 10 | 8 | 7 | 6 | 7 | 9 | 171 | 7.1 | N | 2: 1 | 19 | 16:12 | 12 | * | * | * | * | 9:37 | -7 | 20:59 | 6 | * | * | * | * |
| 17 | 13 | 16 | 18 | 19 | 17 | 13 | 8 | 3 | -2 | -5 | -7 | -6 | -3 | 2 | 6 | 10 | 12 | 12 | 11 | 8 | 6 | 5 | 4 | 6 | 166 | 6.9 | | 2:42 | 19 | 16:33 | 12 | * | * | * | * | 10: 7 | -7 | 21:39 | 4 | * | * | * | * |
| 18 | 9 | 13 | 16 | 18 | 18 | 15 | 11 | 6 | 1 | -3 | -6 | -6 | -4 | 0 | 4 | 8 | 11 | 12 | 11 | 9 | 6 | 4 | 2 | 3 | 158 | 6.6 | | 3:23 | 18 | 16:54 | 12 | * | * | * | * | 10:36 | -7 | 22:20 | 2 | * | * | * | * |
| 19 | 5 | 9 | 13 | 16 | 17 | 16 | 13 | 8 | 4 | -1 | -4 | -5 | -4 | -1 | 3 | 7 | 10 | 12 | 11 | 9 | 7 | 4 | 2 | 0 | 151 | 6.3 | | 4: 5 | 17 | 17:16 | 12 | * | * | * | * | 11: 5 | -5 | 23: 4 | 0 | * | * | * | * |
| 20 | 1 | 4 | 8 | 12 | 14 | 15 | 13 | 10 | 6 | 2 | -1 | -3 | -4 | -2 | 2 | 6 | 10 | 12 | 12 | 11 | 8 | 5 | 2 | -1 | 142 | 5.9 | | 4:51 | 15 | 17:39 | 12 | * | * | * | * | 11:33 | -4 | 23:53 | -1 | * | * | * | * |
| 21 | -1 | 0 | 3 | 6 | 10 | 12 | 12 | 11 | 8 | 5 | 2 | -1 | -1 | -1 | 2 | 6 | 9 | 12 | 13 | 12 | 10 | 6 | 3 | 0 | 138 | 5.8 | | 5:43 | 12 | 18: 4 | 13 | * | * | * | * | 12: 1 | -1 | * | * | * | * | * | * |
| 22 | -2 | -3 | -2 | 1 | 4 | 7 | 9 | 10 | 9 | 7 | 4 | 3 | 1 | 1 | 3 | 6 | 9 | 11 | 13 | 13 | 12 | 9 | 5 | 1 | 131 | 5.5 | | 6:49 | 10 | 18:32 | 13 | * | * | * | * | 0:48 | -3 | 12:27 | 1 | * | * | * | * |
| 23 | -2 | -4 | -4 | -3 | -1 | 2 | 4 | 6 | 7 | 7 | 6 | 5 | 4 | 4 | 5 | 6 | 9 | 11 | 13 | 14 | 13 | 11 | 8 | 5 | 126 | 5.3 | U | 8:22 | 7 | 19: 8 | 14 | * | * | * | * | 1:53 | -4 | 12:49 | 4 | * | * | * | * |
| 24 | 1 | -2 | -5 | -6 | -5 | -3 | -1 | 2 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 11 | 13 | 14 | 15 | 14 | 12 | 9 | 131 | 5.5 | | 19:58 | 15 | * | * | * | * | 3:10 | -6 | * | * | * | * | * | * | | |
| 25 | 5 | 1 | -3 | -6 | -7 | -7 | -6 | -3 | 0 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 10 | 10 | 12 | 13 | 15 | 15 | 15 | 13 | 127 | 5.3 | | 21: 5 | 15 | * | * | * | * | 4:36 | -7 | * | * | * | * | * | * | | |
| 26 | 10 | 6 | 1 | -3 | -6 | -9 | -9 | -8 | -5 | -2 | 2 | 6 | 8 | 10 | 10 | 10 | 10 | 10 | 10 | 12 | 13 | 15 | 16 | 16 | 123 | 5.1 | | 22:25 | 16 | * | * | * | * | 5:53 | -9 | * | * | * | * | * | * | | |
| 27 | 15 | 11 | 7 | 2 | -3 | -7 | -10 | -11 | -10 | -6 | -2 | 3 | 7 | 10 | 11 | 11 | 11 | 10 | 9 | 9 | 11 | 13 | 15 | 17 | 123 | 5.1 | | 14:30 | 11 | 23:46 | 18 | * | * | * | * | 6:56 | -11 | 18:24 | 9 | * | * | * | * |
| 28 | 18 | 16 | 13 | 8 | 3 | -3 | -8 | -11 | -12 | -10 | -6 | -1 | 4 | 9 | 11 | 12 | 11 | 10 | 8 | 7 | 7 | 9 | 12 | 16 | 123 | 5.1 | | 14:51 | 12 | * | * | * | * | 7:49 | #-12 | 19:25 | 7 | * | * | * | * | | |

| N 総回数 | Sum 推算月合計 | Mean 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 | 4615 | 6.9 | 2日 2時 50分 | 26 | 2 | 28日 7時 49分 | -12 | 1 |

推算潮位 (毎時・満干潮)

地点名: 直江津

緯度: 37 °11 N

経度: 138 °15 E

潮位表基準面の零点: 平均海面下 19.0(cm)

2018 年 3 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 | | | | |
| 1 | 18 | 19 | 18 | 14 | 9 | 3 | -3 | -9 | -12 | -12 | -9 | -5 | 1 | 7 | 10 | 12 | 12 | 10 | 8 | 5 | 4 | 5 | 7 | 11 | 123 | 5.1 | | 0:57 | 19 | 15:15 | 12 | * | * | * | * | 8:36 | #-12 | 20:16 | 4 | * | * | * | * |
| 2 | 15 | 18 | 20 | 18 | 14 | 8 | 2 | -4 | -9 | -12 | -11 | -7 | -2 | 4 | 9 | 12 | 12 | 11 | 8 | 5 | 2 | 1 | 2 | 6 | 122 | 5.1 | F | 1:59 | # 20 | 15:42 | 12 | * | * | * | * | 9:19 | #-12 | 21: 4 | 1 | * | * | * | * |
| 3 | 10 | 15 | 18 | 19 | 18 | 13 | 7 | 1 | -5 | -9 | -10 | -9 | -4 | 1 | 7 | 11 | 13 | 12 | 9 | 6 | 2 | -1 | -2 | 0 | 122 | 5.1 | | 2:54 | 19 | 16:10 | 13 | * | * | * | * | 9:59 | -10 | 21:51 | -2 | * | * | * | * |
| 4 | 4 | 9 | 14 | 17 | 18 | 16 | 11 | 6 | 0 | -5 | -8 | -8 | -5 | -1 | 5 | 9 | 12 | 12 | 10 | 7 | 3 | -1 | -3 | -3 | 119 | 5.0 | | 3:45 | 18 | 16:38 | 13 | * | * | * | * | 10:36 | -8 | 22:38 | -4 | * | * | * | * |
| 5 | -1 | 3 | 8 | 12 | 15 | 15 | 13 | 9 | 5 | 0 | -4 | -5 | -4 | -1 | 3 | 8 | 11 | 13 | 12 | 9 | 5 | 1 | -3 | -5 | 119 | 5.0 | | 4:36 | 15 | 17: 5 | 13 | * | * | * | * | 11: 9 | -5 | 23:26 | -5 | * | * | * | * |
| 6 | -4 | -2 | 2 | 7 | 10 | 12 | 12 | 10 | 7 | 3 | 0 | -2 | -2 | 0 | 3 | 7 | 10 | 12 | 12 | 10 | 7 | 3 | -1 | -4 | 112 | 4.7 | | 5:28 | 12 | 17:30 | 12 | * | * | * | * | 11:38 | -2 | * | * | * | * | * | * |
| 7 | -5 | -5 | -2 | 1 | 5 | 8 | 9 | 9 | 8 | 6 | 3 | 2 | 1 | 2 | 4 | 7 | 10 | 12 | 12 | 11 | 9 | 5 | 2 | -2 | 112 | 4.7 | | 6:26 | 9 | 17:51 | 12 | * | * | * | * | 0:15 | -5 | 11:58 | 1 | * | * | * | * |
| 8 | -4 | -5 | -5 | -3 | 0 | 3 | 5 | 6 | 7 | 6 | 5 | 4 | 3 | 4 | 5 | 7 | 9 | 11 | 12 | 12 | 10 | 7 | 4 | 1 | 104 | 4.3 | | 7:40 | 7 | 18:10 | 12 | * | * | * | * | 1: 9 | -5 | 12: 5 | 3 | * | * | * | * |
| 9 | -2 | -4 | -5 | -4 | -3 | -1 | 1 | 3 | 5 | 5 | 5 | 5 | 5 | 6 | 7 | 8 | 10 | 11 | 12 | 12 | 11 | 9 | 7 | 4 | 107 | 4.5 | L | 18:32 | 12 | * | * | * | * | 2:10 | -5 | * | * | * | * | * | * | | |
| 10 | 1 | -2 | -4 | -4 | -4 | -3 | -2 | 0 | 2 | 4 | 5 | 6 | 6 | 7 | 8 | 9 | 10 | 11 | 11 | 12 | 11 | 10 | 9 | 6 | 109 | 4.5 | | 19: 4 | 12 | * | * | * | * | 3:23 | -5 | * | * | * | * | * | * | | |
| 11 | 4 | 1 | -1 | -3 | -4 | -5 | -4 | -2 | 0 | 2 | 4 | 6 | 7 | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 11 | 10 | 9 | 112 | 4.7 | | 20: 4 | 11 | * | * | * | * | 4:45 | -5 | * | * | * | * | * | * | | | |
| 12 | 6 | 4 | 1 | -1 | -3 | -5 | -5 | -5 | -3 | 0 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 11 | 10 | 108 | 4.5 | | 21:36 | 11 | * | * | * | * | 5:54 | -5 | * | * | * | * | * | * | | | |
| 13 | 9 | 7 | 4 | 1 | -2 | -4 | -6 | -6 | -5 | -3 | 0 | 3 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 10 | 11 | 11 | 104 | 4.3 | | 14:34 | 9 | 23: 6 | 11 | * | * | * | * | 6:45 | -6 | 18:10 | 8 | * | * | * | * |
| 14 | 11 | 10 | 7 | 4 | 1 | -3 | -5 | -7 | -7 | -5 | -2 | 2 | 5 | 8 | 9 | 9 | 8 | 7 | 6 | 6 | 6 | 8 | 10 | 11 | 99 | 4.1 | | 14:36 | 9 | * | * | * | * | 7:26 | -7 | 18:58 | 6 | * | * | * | * | | |
| 15 | 12 | 12 | 10 | 7 | 4 | 0 | -4 | -7 | -8 | -7 | -4 | 0 | 3 | 7 | 9 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 7 | 10 | 93 | 3.9 | | 0:16 | 12 | 14:47 | 9 | * | * | * | * | 8: 1 | -8 | 19:37 | 4 | * | * | * | * |
| 16 | 12 | 13 | 12 | 10 | 7 | 2 | -2 | -5 | -8 | -8 | -6 | -2 | 2 | 6 | 8 | 9 | 8 | 7 | 5 | 3 | 1 | 2 | 4 | 7 | 87 | 3.6 | | 1:10 | 13 | 15: 1 | 9 | * | * | * | * | 8:34 | -8 | 20:14 | 1 | * | * | * | * |
| 17 | 11 | 13 | 14 | 13 | 10 | 5 | 1 | -3 | -7 | -8 | -7 | -4 | 0 | 4 | 8 | 9 | 9 | 7 | 4 | 2 | 0 | -1 | 0 | 4 | 84 | 3.5 | N | 1:56 | 14 | 15:17 | 9 | * | * | * | * | 9: 4 | -8 | 20:51 | -1 | * | * | * | * |
| 18 | 8 | 11 | 14 | 14 | 12 | 8 | 4 | -1 | -5 | -7 | -7 | -5 | -1 | 3 | 7 | 9 | 10 | 8 | 5 | 2 | -1 | -3 | -3 | -1 | 81 | 3.4 | | 2:41 | 14 | 15:36 | 10 | * | * | * | * | 9:34 | -7 | 21:29 | -3 | * | * | * | * |
| 19 | 3 | 8 | 12 | 14 | 13 | 11 | 7 | 3 | -1 | -5 | -6 | -5 | -2 | 3 | 7 | 10 | 11 | 9 | 6 | 3 | -1 | -4 | -5 | -5 | 86 | 3.6 | | 3:25 | 14 | 15:56 | 11 | * | * | * | * | 10: 3 | -6 | 22: 9 | -6 | * | * | * | * |
| 20 | -1 | 3 | 8 | 12 | 13 | 13 | 10 | 6 | 2 | -1 | -4 | -4 | -2 | 2 | 6 | 10 | 12 | 11 | 9 | 5 | 0 | -3 | -6 | -7 | 94 | 3.9 | | 4:12 | 13 | 16:18 | 12 | * | * | * | * | 10:33 | -4 | 22:53 | -7 | * | * | * | * |
| 21 | -6 | -2 | 3 | 8 | 11 | 12 | 11 | 9 | 5 | 2 | 0 | -1 | 0 | 2 | 6 | 10 | 12 | 13 | 11 | 8 | 3 | -1 | -5 | -8 | 103 | 4.3 | | 5: 5 | 12 | 16:42 | 13 | * | * | * | * | 11: 2 | -1 | 23:40 | -8 | * | * | * | * |
| 22 | -8 | -6 | -2 | 2 | 7 | 10 | 11 | 10 | 8 | 5 | 3 | 2 | 2 | 3 | 6 | 10 | 13 | 14 | 13 | 11 | 7 | 2 | -3 | -6 | 114 | 4.8 | | 6: 5 | 11 | 17: 9 | 14 | * | * | * | * | 11:31 | 2 | * | * | * | * | * | * |
| 23 | -9 | -9 | -7 | -3 | 1 | 5 | 8 | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 7 | 10 | 12 | 14 | 15 | 13 | 10 | 6 | 1 | -3 | 118 | 4.9 | | 7:21 | 9 | 17:41 | 15 | * | * | * | * | 0:34 | -9 | 11:58 | 5 | * | * | * | * |
| 24 | -6 | -9 | -9 | -7 | -4 | 0 | 3 | 6 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 10 | 12 | 14 | 15 | 15 | 13 | 10 | 6 | 2 | 125 | 5.2 | | 9: 6 | 8 | 18:21 | 15 | * | * | * | * | 1:36 | -9 | 12:20 | 7 | * | * | * | * |
| 25 | -2 | -6 | -8 | -9 | -8 | -5 | -2 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 10 | 11 | 12 | 14 | 14 | 14 | 13 | 10 | 7 | 123 | 5.1 | U | 19:19 | 14 | * | * | * | * | 2:50 | -9 | * | * | * | * | * | * | | |
| 26 | 3 | -1 | -5 | -7 | -9 | -8 | -6 | -3 | 0 | 4 | 7 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 13 | 13 | 14 | 13 | 11 | 119 | 5.0 | | 20:45 | 14 | * | * | * | * | 4:14 | -9 | * | * | * | * | * | * | | |
| 27 | 8 | 4 | 0 | -4 | -7 | -9 | -9 | -7 | -4 | 0 | 4 | 7 | 9 | 10 | 10 | 10 | 9 | 8 | 8 | 9 | 11 | 12 | 13 | 13 | 105 | 4.4 | | 13:26 | 10 | 22:28 | 13 | * | * | * | * | 5:33 | -9 | 17:30 | 8 | * | * | * | * |
| 28 | 12 | 9 | 5 | 1 | -4 | -7 | -9 | -10 | -8 | -4 | 0 | 5 | 8 | 10 | 10 | 10 | 8 | 7 | 5 | 5 | 7 | 9 | 11 | 13 | 93 | 3.9 | | 13:43 | 11 | 23:57 | 14 | * | * | * | * | 6:37 | -10 | 18:37 | 5 | * | * | * | * |
| 29 | 14 | 13 | 10 | 6 | 1 | -3 | -7 | -10 | -10 | -7 | -3 | 2 | 6 | 10 | 11 | 10 | 8 | 6 | 3 | 2 | 2 | 4 | 7 | 11 | 86 | 3.6 | | 14: 4 | 11 | * | * | * | * | 7:28 | -10 | 19:28 | 2 | * | * | * | * | | |
| 30 | 13 | 14 | 14 | 11 | 6 | 1 | -4 | -7 | -9 | -8 | -5 | 0 | 4 | 9 | 11 | 11 | 9 | 6 | 2 | 0 | -2 | -1 | 2 | 6 | 83 | 3.5 | | 1: 6 | 14 | 14:27 | 11 | * | * | * | * | 8:12 | -9 | 20:13 | -2 | * | * | * | * |
| 31 | 10 | 13 | 15 | 14 | 10 | 6 | 1 | -4 | -7 | -8 | -6 | -2 | 3 | 7 | 11 | 11 | 10 | 7 | 3 | -1 | -4 | -5 | -4 | 0 | 80 | 3.3 | F | 2: 4 | 15 | 14:52 | 11 | * | * | * | * | 8:52 | -8 | 20:57 | -5 | * | * | * | * |

| N 総回数 | Sum 推算月合計 | Mean 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 |
| 744 | 3246 | 4.4 | 2日 1時 59分 | 20 | 1 | 2日 9時 19分 | -12 | 2 |

推算潮位 (毎時・満干潮)

地点名: 直江津

緯度: 37 °11 N

経度: 138 °15 E

潮位表基準面の零点: 平均海面下 19.0(cm)

2018 年 4 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 | | | | |
| 1 | 5 | 10 | 13 | 14 | 13 | 10 | 5 | 1 | -3 | -6 | -6 | -3 | 1 | 6 | 10 | 12 | 11 | 9 | 5 | 0 | -4 | -7 | -7 | -5 | 84 | 3.5 | | 2:57 | 14 | 15:17 | 12 | * | * | * | * | 9:27 | -6 | 21:40 | -7 | * | * | * | * |
| 2 | 0 | 5 | 10 | 13 | 13 | 12 | 9 | 5 | 1 | -2 | -4 | -2 | 1 | 5 | 10 | 12 | 13 | 11 | 7 | 2 | -2 | -6 | -8 | -8 | 97 | 4.0 | | 3:49 | 13 | 15:41 | 13 | * | * | * | * | 10: 0 | -4 | 22:22 | -9 | * | * | * | * |
| 3 | -5 | 0 | 5 | 9 | 12 | 12 | 11 | 8 | 4 | 1 | 0 | 0 | 2 | 5 | 9 | 12 | 13 | 12 | 9 | 5 | 0 | -4 | -7 | -9 | 104 | 4.3 | | 4:41 | 12 | 16: 3 | 13 | * | * | * | * | 10:28 | -1 | 23: 3 | -9 | * | * | * | * |
| 4 | -8 | -4 | 0 | 5 | 9 | 11 | 11 | 9 | 7 | 5 | 3 | 3 | 4 | 6 | 9 | 12 | 14 | 13 | 11 | 8 | 3 | -1 | -5 | -8 | 117 | 4.9 | | 5:35 | 11 | 16:23 | 14 | * | * | * | * | 10:52 | 3 | 23:46 | -8 | * | * | * | * |
| 5 | -8 | -7 | -3 | 1 | 5 | 8 | 10 | 10 | 9 | 7 | 6 | 5 | 6 | 7 | 10 | 12 | 14 | 14 | 13 | 10 | 6 | 2 | -2 | -5 | 130 | 5.4 | | 6:36 | 10 | 16:41 | 14 | * | * | * | * | 11: 8 | 5 | * | * | * | * | * | * |
| 6 | -7 | -7 | -5 | -2 | 2 | 5 | 7 | 9 | 9 | 9 | 8 | 7 | 8 | 9 | 10 | 12 | 14 | 14 | 14 | 12 | 9 | 5 | 1 | -2 | 141 | 5.9 | | 7:50 | 9 | 17: 0 | 14 | * | * | * | * | 0:30 | -7 | 11:13 | 7 | * | * | * | * |
| 7 | -4 | -5 | -5 | -4 | -1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 10 | 11 | 12 | 13 | 14 | 14 | 13 | 11 | 8 | 5 | 1 | 151 | 6.3 | | 17:21 | 14 | * | * | * | * | 1:18 | -6 | * | * | * | * | * | * | | |
| 8 | -1 | -3 | -4 | -4 | -3 | 0 | 2 | 4 | 6 | 8 | 9 | 9 | 10 | 10 | 11 | 12 | 12 | 13 | 13 | 13 | 12 | 10 | 7 | 4 | 150 | 6.3 | L | 17:50 | 13 | * | * | * | * | 2:16 | -4 | * | * | * | * | * | * | | |
| 9 | 2 | -1 | -2 | -3 | -3 | -2 | 0 | 2 | 4 | 6 | 8 | 9 | 10 | 10 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 11 | 9 | 7 | 148 | 6.2 | | 18:43 | 12 | * | * | * | * | 3:27 | -3 | * | * | * | * | * | * | | |
| 10 | 5 | 2 | 0 | -2 | -3 | -3 | -2 | -1 | 2 | 4 | 7 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 137 | 5.7 | | 13:20 | 10 | 20:40 | 10 | * | * | * | * | 4:44 | -3 | 17:10 | 10 | * | * | * | * |
| 11 | 7 | 5 | 3 | 0 | -2 | -3 | -4 | -3 | -1 | 2 | 5 | 8 | 9 | 10 | 10 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 10 | 10 | 122 | 5.1 | | 13:20 | 10 | 22:40 | 10 | * | * | * | * | 5:47 | -4 | 18:11 | 7 | * | * | * | * |
| 12 | 9 | 8 | 5 | 2 | 0 | -2 | -4 | -4 | -3 | 0 | 3 | 6 | 9 | 10 | 10 | 9 | 7 | 6 | 5 | 4 | 5 | 7 | 8 | 10 | 110 | 4.6 | | 13:30 | 10 | * | * | * | * | 6:35 | -4 | 18:49 | 4 | * | * | * | * | | |
| 13 | 10 | 10 | 8 | 5 | 2 | -1 | -3 | -4 | -4 | -2 | 1 | 5 | 8 | 10 | 10 | 9 | 7 | 5 | 3 | 1 | 2 | 3 | 6 | 8 | 99 | 4.1 | | 0: 0 | 10 | 13:42 | 10 | * | * | * | * | 7:14 | -4 | 19:23 | 1 | * | * | * | * |
| 14 | 10 | 11 | 10 | 8 | 5 | 2 | -1 | -4 | -4 | -3 | 0 | 4 | 7 | 10 | 10 | 9 | 7 | 4 | 2 | -1 | -2 | -1 | 2 | 6 | 91 | 3.8 | | 0:59 | 11 | 13:56 | 10 | * | * | * | * | 7:48 | -4 | 19:58 | -2 | * | * | * | * |
| 15 | 9 | 12 | 12 | 11 | 8 | 5 | 1 | -2 | -3 | -3 | -1 | 3 | 7 | 10 | 11 | 11 | 8 | 5 | 1 | -2 | -4 | -4 | -2 | 2 | 95 | 4.0 | | 1:50 | 12 | 14:14 | 11 | * | * | * | * | 8:21 | -4 | 20:34 | -5 | * | * | * | * |
| 16 | 6 | 10 | 13 | 13 | 11 | 8 | 5 | 1 | -1 | -2 | -1 | 3 | 7 | 10 | 13 | 13 | 11 | 7 | 3 | -2 | -5 | -7 | -6 | -3 | 107 | 4.5 | N | 2:39 | 13 | 14:34 | 13 | * | * | * | * | 8:54 | -2 | 21:13 | -7 | * | * | * | * |
| 17 | 2 | 7 | 11 | 14 | 14 | 12 | 9 | 5 | 2 | 0 | 1 | 3 | 7 | 11 | 14 | 15 | 14 | 10 | 5 | 0 | -4 | -8 | -9 | -7 | 128 | 5.3 | | 3:30 | 14 | 14:58 | 15 | * | * | * | * | 9:26 | 0 | 21:55 | -9 | * | * | * | * |
| 18 | -3 | 3 | 8 | 12 | 14 | 14 | 12 | 9 | 6 | 4 | 3 | 4 | 7 | 11 | 15 | 17 | 16 | 14 | 9 | 4 | -2 | -6 | -9 | -10 | 152 | 6.3 | | 4:24 | 15 | 15:25 | 17 | * | * | * | * | 9:59 | 3 | 22:40 | #-10 | * | * | * | * |
| 19 | -7 | -3 | 3 | 9 | 13 | 15 | 14 | 13 | 10 | 8 | 6 | 6 | 8 | 11 | 15 | 18 | 19 | 17 | 14 | 9 | 3 | -3 | -7 | -10 | 181 | 7.5 | | 5:23 | 15 | 15:55 | 19 | * | * | * | * | 10:32 | 6 | 23:30 | #-10 | * | * | * | * |
| 20 | -10 | -7 | -2 | 4 | 9 | 12 | 14 | 14 | 13 | 11 | 10 | 9 | 9 | 12 | 15 | 18 | 19 | 19 | 17 | 14 | 8 | 3 | -3 | -7 | 201 | 8.4 | | 6:30 | 14 | 16:30 | # 20 | * | * | * | * | 11: 6 | 9 | * | * | * | * | * | * |
| 21 | -9 | -9 | -6 | -1 | 4 | 8 | 12 | 14 | 14 | 13 | 12 | 11 | 11 | 12 | 14 | 17 | 19 | 20 | 19 | 17 | 13 | 8 | 3 | -2 | 214 | 8.9 | | 7:48 | 14 | 17:10 | # 20 | * | * | * | * | 0:24 | -9 | 11:43 | 11 | * | * | * | * |
| 22 | -6 | -8 | -7 | -5 | -1 | 3 | 7 | 11 | 13 | 14 | 14 | 13 | 13 | 13 | 13 | 15 | 17 | 18 | 19 | 18 | 16 | 13 | 8 | 4 | 215 | 9.0 | | 9:25 | 14 | 18: 0 | 19 | * | * | * | * | 1:25 | -8 | 12:33 | 13 | * | * | * | * |
| 23 | -1 | -4 | -6 | -6 | -4 | -1 | 3 | 6 | 10 | 12 | 13 | 14 | 14 | 13 | 13 | 13 | 14 | 15 | 17 | 17 | 17 | 15 | 13 | 9 | 206 | 8.6 | U | 11: 4 | 14 | 19:12 | 17 | * | * | * | * | 2:34 | -6 | 14: 7 | 13 | * | * | * | * |
| 24 | 5 | 1 | -2 | -4 | -5 | -4 | -1 | 2 | 6 | 10 | 12 | 14 | 14 | 13 | 13 | 12 | 11 | 12 | 13 | 14 | 15 | 15 | 15 | 13 | 194 | 8.1 | | 11:53 | 14 | 20:54 | 15 | * | * | * | * | 3:51 | -5 | 16: 9 | 11 | * | * | * | * |
| 25 | 10 | 6 | 2 | -1 | -3 | -4 | -4 | -1 | 2 | 6 | 10 | 12 | 14 | 14 | 12 | 11 | 9 | 8 | 8 | 9 | 11 | 13 | 14 | 14 | 172 | 7.2 | | 12:21 | 14 | 22:42 | 14 | * | * | * | * | 5: 4 | -4 | 17:37 | 8 | * | * | * | * |
| 26 | 13 | 10 | 7 | 3 | 0 | -2 | -4 | -3 | 0 | 4 | 8 | 11 | 13 | 14 | 13 | 11 | 8 | 6 | 4 | 4 | 6 | 8 | 11 | 13 | 158 | 6.6 | | 12:46 | 14 | * | * | * | * | 6: 6 | -4 | 18:35 | 4 | * | * | * | * | | |
| 27 | 14 | 13 | 11 | 8 | 4 | 1 | -2 | -3 | -1 | 2 | 6 | 10 | 13 | 14 | 13 | 11 | 8 | 5 | 2 | 0 | 1 | 3 | 6 | 10 | 149 | 6.2 | | 0: 7 | 14 | 13: 9 | 14 | * | * | * | * | 6:56 | -3 | 19:22 | 0 | * | * | * | * |
| 28 | 12 | 14 | 13 | 11 | 8 | 5 | 1 | -1 | -1 | 1 | 4 | 8 | 12 | 14 | 14 | 12 | 9 | 5 | 1 | -2 | -3 | -2 | 1 | 5 | 141 | 5.9 | | 1:13 | 14 | 13:33 | 15 | * | * | * | * | 7:38 | -1 | 20: 5 | -3 | * | * | * | * |
| 29 | 9 | 13 | 14 | 13 | 11 | 8 | 5 | 2 | 1 | 1 | 4 | 8 | 12 | 14 | 15 | 14 | 11 | 7 | 2 | -2 | -5 | -5 | -4 | 0 | 148 | 6.2 | | 2:11 | 14 | 13:57 | 15 | * | * | * | * | 8:14 | 1 | 20:45 | -6 | * | * | * | * |
| 30 | 5 | 10 | 13 | 14 | 14 | 11 | 9 | 6 | 4 | 3 | 4 | 8 | 11 | 15 | 16 | 16 | 14 | 10 | 5 | 0 | -4 | -7 | -6 | -3 | 168 | 7.0 | F | 3: 5 | 14 | 14:20 | 17 | * | * | * | * | 8:47 | 3 | 21:24 | -7 | * | * | * | * |

| N 総回数 | Sum 推算月合計 | Mean 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 | 4310 | 6.0 | 21 日 17 時 10 分 | 20 | 2 | 19 日 23 時 30 分 | -10 | 2 |

推算潮位（毎時・満干潮）

地点名：直江津

緯度：37°11' N

経度：138°15' E

潮位表基準面の零点：平均海面下 19.0(cm)

2018年5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 | 1 | 6 | 11 | 14 | 15 | 14 | 12 | 9 | 7 | 6 | 6 | 8 | 12 | 15 | 17 | 18 | 16 | 13 | 8 | 3 | -2 | -6 | -7 | -6 | 190 | 7.9 | | 3:58 | 15 | 14:42 | 18 | * | * | * | * | 9:16 | 6 | 22: 2 | # -7 | * | * | * | * | |
| 2 | -2 | 3 | 8 | 12 | 15 | 15 | 14 | 12 | 10 | 9 | 8 | 10 | 12 | 15 | 18 | 19 | 18 | 16 | 11 | 6 | 1 | -3 | -6 | -6 | 215 | 9.0 | | 4:50 | 15 | 15: 4 | 19 | * | * | * | * | 9:42 | 8 | 22:39 | -6 | * | * | * | * | |
| 3 | -4 | 0 | 5 | 10 | 13 | 15 | 15 | 14 | 13 | 12 | 11 | 11 | 13 | 16 | 18 | 20 | 20 | 18 | 15 | 10 | 5 | 0 | -3 | -5 | 242 | 10.1 | | 5:42 | 16 | 15:26 | 20 | * | * | * | * | 10: 4 | 11 | 23:17 | -5 | * | * | * | * | |
| 4 | -4 | -2 | 3 | 7 | 11 | 14 | 16 | 16 | 15 | 14 | 13 | 13 | 14 | 16 | 18 | 20 | 21 | 20 | 17 | 13 | 9 | 4 | 0 | -2 | 266 | 11.1 | | 6:37 | 16 | 15:50 | 21 | * | * | * | * | 10:24 | 13 | 23:57 | -3 | * | * | * | * | |
| 5 | -3 | -2 | 1 | 5 | 9 | 12 | 14 | 16 | 16 | 15 | 15 | 15 | 15 | 16 | 18 | 20 | 21 | 20 | 19 | 16 | 12 | 8 | 4 | 1 | 283 | 11.8 | | 7:39 | 16 | 16:15 | 21 | * | * | * | * | 10:44 | 15 | * | * | * | * | * | * | |
| 6 | -1 | -1 | 0 | 3 | 6 | 10 | 13 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 17 | 19 | 20 | 20 | 19 | 17 | 14 | 11 | 7 | 4 | 289 | 12.0 | | 16:44 | 20 | * | * | * | * | * | * | * | 0:39 | -1 | * | * | * | * | * | * |
| 7 | 2 | 1 | 1 | 2 | 4 | 7 | 10 | 13 | 14 | 16 | 16 | 16 | 16 | 16 | 17 | 18 | 19 | 18 | 17 | 16 | 13 | 10 | 7 | 285 | 11.9 | | 17:18 | 19 | * | * | * | * | * | * | * | 1:27 | 0 | * | * | * | * | * | * | |
| 8 | 5 | 3 | 2 | 2 | 3 | 5 | 8 | 10 | 13 | 14 | 15 | 16 | 16 | 16 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 14 | 12 | 10 | 274 | 11.4 | L | 11:19 | 16 | 18:12 | 16 | * | * | * | * | 2:22 | 2 | 14:16 | 15 | * | * | * | * | |
| 9 | 7 | 5 | 3 | 2 | 2 | 3 | 5 | 8 | 10 | 13 | 15 | 15 | 16 | 15 | 14 | 14 | 13 | 13 | 14 | 14 | 14 | 14 | 13 | 12 | 254 | 10.6 | | 11:40 | 16 | 20: 0 | 14 | * | * | * | * | 3:24 | 2 | 16:36 | 13 | * | * | * | * | |
| 10 | 9 | 7 | 5 | 4 | 3 | 3 | 4 | 6 | 8 | 11 | 13 | 15 | 15 | 15 | 14 | 12 | 11 | 10 | 10 | 11 | 12 | 13 | 13 | 13 | 237 | 9.9 | | 11:56 | 15 | 22: 8 | 13 | * | * | * | * | 4:28 | 3 | 17:40 | 10 | * | * | * | * | |
| 11 | 12 | 10 | 7 | 5 | 4 | 3 | 3 | 4 | 7 | 10 | 12 | 14 | 15 | 15 | 13 | 12 | 10 | 8 | 7 | 7 | 8 | 10 | 12 | 13 | 221 | 9.2 | | 12:11 | 15 | 23:38 | 13 | * | * | * | * | 5:24 | 3 | 18:20 | 7 | * | * | * | * | |
| 12 | 13 | 12 | 10 | 8 | 6 | 4 | 3 | 4 | 6 | 8 | 11 | 14 | 16 | 16 | 14 | 12 | 9 | 6 | 4 | 3 | 4 | 7 | 9 | 12 | 211 | 8.8 | | 12:28 | 16 | * | * | * | * | 6:11 | 3 | 18:57 | 3 | * | * | * | * | | | |
| 13 | 14 | 14 | 13 | 11 | 9 | 7 | 5 | 4 | 5 | 8 | 11 | 14 | 16 | 17 | 16 | 13 | 9 | 6 | 2 | 0 | 0 | 2 | 6 | 10 | 212 | 8.8 | | 0:45 | 14 | 12:47 | 17 | * | * | * | * | 6:52 | 4 | 19:34 | 0 | * | * | * | * | |
| 14 | 13 | 15 | 16 | 15 | 13 | 10 | 8 | 6 | 6 | 8 | 11 | 15 | 18 | 19 | 18 | 16 | 11 | 7 | 2 | -1 | -3 | -2 | 1 | 6 | 228 | 9.5 | | 1:44 | 16 | 13:10 | 19 | * | * | * | * | 7:31 | 6 | 20:13 | -3 | * | * | * | * | |
| 15 | 11 | 15 | 17 | 18 | 16 | 14 | 12 | 9 | 8 | 9 | 12 | 15 | 19 | 21 | 21 | 19 | 15 | 10 | 5 | 0 | -4 | -5 | -3 | 1 | 255 | 10.6 | N | 2:41 | 18 | 13:37 | 22 | * | * | * | * | 8: 9 | 8 | 20:55 | -5 | * | * | * | * | |
| 16 | 7 | 12 | 17 | 19 | 20 | 18 | 16 | 13 | 12 | 11 | 13 | 16 | 20 | 23 | 24 | 23 | 20 | 15 | 9 | 3 | -2 | -6 | -6 | -4 | 293 | 12.2 | | 3:38 | 20 | 14: 9 | 24 | * | * | * | * | 8:47 | 11 | 21:41 | -6 | * | * | * | * | |
| 17 | 2 | 8 | 14 | 18 | 21 | 21 | 20 | 18 | 15 | 14 | 14 | 16 | 20 | 24 | 26 | 27 | 25 | 21 | 15 | 8 | 2 | -3 | -6 | -6 | 334 | 13.9 | | 4:37 | 21 | 14:45 | 27 | * | * | * | * | 9:25 | 14 | 22:30 | -6 | * | * | * | * | |
| 18 | -3 | 3 | 9 | 15 | 19 | 22 | 22 | 21 | 19 | 17 | 16 | 17 | 19 | 23 | 26 | 28 | 28 | 26 | 21 | 15 | 8 | 2 | -3 | -5 | 365 | 15.2 | | 5:37 | 22 | 15:26 | # 29 | * | * | * | * | 10: 5 | 16 | 23:21 | -5 | * | * | * | * | |
| 19 | -5 | -1 | 4 | 10 | 16 | 20 | 22 | 22 | 21 | 20 | 19 | 18 | 19 | 22 | 25 | 28 | 29 | 28 | 26 | 21 | 15 | 9 | 3 | -1 | 390 | 16.3 | | 6:39 | 22 | 16:11 | # 29 | * | * | * | * | 10:49 | 18 | * | * | * | * | * | * | |
| 20 | -4 | -3 | 0 | 5 | 11 | 16 | 20 | 22 | 22 | 21 | 20 | 19 | 19 | 20 | 22 | 25 | 27 | 28 | 27 | 25 | 20 | 15 | 9 | 4 | 390 | 16.3 | | 7:45 | 22 | 17: 3 | 28 | * | * | * | * | 0:17 | -4 | 11:43 | 19 | * | * | * | * | |
| 21 | 0 | -1 | -1 | 2 | 7 | 11 | 16 | 19 | 21 | 22 | 21 | 20 | 20 | 19 | 20 | 22 | 24 | 25 | 26 | 25 | 23 | 20 | 15 | 10 | 386 | 16.1 | | 8:55 | 22 | 18: 6 | 26 | * | * | * | * | 1:15 | -2 | 12:53 | 19 | * | * | * | * | |
| 22 | 6 | 3 | 1 | 1 | 4 | 8 | 12 | 16 | 19 | 21 | 21 | 21 | 20 | 19 | 18 | 18 | 19 | 21 | 22 | 23 | 23 | 22 | 19 | 15 | 372 | 15.5 | U | 9:57 | 21 | 19:26 | 23 | * | * | * | * | 2:17 | 1 | 14:24 | 18 | * | * | * | * | |
| 23 | 11 | 8 | 5 | 3 | 3 | 5 | 9 | 12 | 16 | 19 | 21 | 21 | 20 | 19 | 17 | 16 | 15 | 15 | 17 | 18 | 20 | 20 | 20 | 18 | 348 | 14.5 | | 10:43 | 21 | 21: 6 | 20 | * | * | * | * | 3:22 | 3 | 16: 4 | 15 | * | * | * | * | |
| 24 | 15 | 12 | 9 | 6 | 5 | 5 | 7 | 10 | 13 | 17 | 19 | 21 | 20 | 19 | 17 | 14 | 12 | 11 | 11 | 13 | 15 | 17 | 18 | 18 | 324 | 13.5 | | 11:17 | 21 | 22:48 | 18 | * | * | * | * | 4:26 | 5 | 17:24 | 11 | * | * | * | * | |
| 25 | 17 | 15 | 13 | 10 | 8 | 7 | 7 | 9 | 12 | 15 | 18 | 20 | 21 | 20 | 17 | 14 | 11 | 9 | 7 | 7 | 9 | 12 | 14 | 17 | 309 | 12.9 | | 11:47 | 21 | * | * | * | * | 5:23 | 7 | 18:23 | 7 | * | * | * | * | | | |
| 26 | 18 | 17 | 16 | 14 | 11 | 9 | 8 | 9 | 11 | 14 | 17 | 20 | 21 | 21 | 19 | 16 | 12 | 8 | 5 | 4 | 4 | 7 | 10 | 14 | 305 | 12.7 | | 0:13 | 18 | 12:13 | 21 | * | * | * | * | 6:11 | 8 | 19:11 | 4 | * | * | * | * | |
| 27 | 16 | 18 | 18 | 16 | 15 | 13 | 11 | 10 | 11 | 14 | 17 | 20 | 22 | 22 | 21 | 18 | 13 | 9 | 5 | 2 | 1 | 3 | 6 | 10 | 311 | 13.0 | | 1:24 | 18 | 12:38 | 22 | * | * | * | * | 6:51 | 10 | 19:53 | 1 | * | * | * | * | |
| 28 | 14 | 17 | 18 | 18 | 17 | 16 | 14 | 13 | 13 | 14 | 17 | 20 | 23 | 24 | 23 | 20 | 16 | 11 | 7 | 3 | 1 | 1 | 3 | 7 | 330 | 13.8 | | 2:26 | 19 | 13: 2 | 24 | * | * | * | * | 7:26 | 13 | 20:31 | 0 | * | * | * | * | |
| 29 | 11 | 16 | 18 | 20 | 20 | 18 | 17 | 15 | 15 | 16 | 18 | 21 | 24 | 25 | 25 | 23 | 19 | 15 | 10 | 5 | 2 | 0 | 1 | 4 | 358 | 14.9 | F | 3:20 | 20 | 13:26 | 25 | * | * | * | * | 7:57 | 15 | 21: 7 | 0 | * | * | * | * | |
| 30 | 9 | 14 | 18 | 20 | 21 | 21 | 20 | 18 | 17 | 17 | 19 | 21 | 24 | 26 | 27 | 26 | 23 | 19 | 13 | 8 | 4 | 1 | 1 | 3 | 390 | 16.3 | | 4: 8 | 21 | 13:52 | 27 | * | * | * | * | 8:25 | 17 | 21:42 | 1 | * | * | * | * | |
| 31 | 7 | 12 | 16 | 20 | 22 | 23 | 22 | 21 | 20 | 19 | 20 | 22 | 25 | 27 | 29 | 28 | 26 | 22 | 18 | 12 | 7 | 4 | 2 | 3 | 427 | 17.8 | | 4:53 | 23 | 14:20 | # 29 | * | * | * | * | 8:53 | 19 | 22:18 | 2 | * | * | * | * | |

| N 総回数 | Sum 推算月合計 | Mean 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 |
| 744 | 9294 | 12.5 | 31日 14時 20分 | 29 | 3 | 1日 22時 2分 | -7 | 1 |

推算潮位（毎時・満干潮）

地点名：直江津

緯度：37 °11 N

経度：138 °15 E

潮位表基準面の零点：平均海面下 19.0(cm)

2018 年 6 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 | 5 | 10 | 15 | 19 | 22 | 24 | 24 | 23 | 22 | 21 | 21 | 22 | 25 | 27 | 29 | 30 | 29 | 26 | 22 | 17 | 12 | 7 | 4 | 4 | 460 | 19.2 | | 5:36 | 24 | 14:50 | 30 | * | * | * | * | 9:21 | 21 | 22:55 | 4 | * | * | * | * |
| 2 | 5 | 8 | 13 | 17 | 21 | 23 | 25 | 24 | 23 | 23 | 22 | 23 | 24 | 27 | 29 | 30 | 30 | 28 | 25 | 20 | 16 | 11 | 8 | 5 | 480 | 20.0 | | 6:19 | 25 | 15:22 | 30 | * | * | * | * | 9:53 | 22 | 23:33 | 5 | * | * | * | * |
| 3 | 5 | 7 | 11 | 15 | 19 | 22 | 24 | 25 | 24 | 24 | 23 | 23 | 24 | 26 | 28 | 29 | 30 | 29 | 27 | 23 | 19 | 15 | 11 | 8 | 491 | 20.5 | | 7: 6 | 25 | 15:57 | 30 | * | * | * | * | 10:31 | 23 | * | * | * | * | * | * |
| 4 | 7 | 7 | 10 | 13 | 17 | 20 | 23 | 24 | 25 | 24 | 24 | 23 | 23 | 24 | 26 | 27 | 28 | 28 | 27 | 25 | 22 | 18 | 14 | 11 | 490 | 20.4 | | 7:56 | 25 | 16:33 | 29 | * | * | * | * | 0:12 | 7 | 11:20 | 23 | * | * | * | * |
| 5 | 9 | 8 | 9 | 11 | 14 | 18 | 21 | 23 | 24 | 24 | 24 | 23 | 23 | 23 | 24 | 25 | 26 | 27 | 26 | 25 | 23 | 20 | 16 | 13 | 479 | 20.0 | | 8:48 | 24 | 17:16 | 27 | * | * | * | * | 0:53 | 8 | 12:26 | 23 | * | * | * | * |
| 6 | 11 | 9 | 9 | 10 | 13 | 16 | 18 | 21 | 23 | 24 | 24 | 23 | 22 | 22 | 22 | 22 | 23 | 23 | 24 | 24 | 23 | 21 | 18 | 15 | 460 | 19.2 | | 9:32 | 24 | 18:13 | 24 | * | * | * | * | 1:35 | 9 | 13:52 | 22 | * | * | * | * |
| 7 | 13 | 11 | 10 | 10 | 12 | 14 | 16 | 19 | 21 | 23 | 23 | 23 | 22 | 21 | 20 | 19 | 19 | 20 | 21 | 21 | 21 | 21 | 19 | 17 | 436 | 18.2 | L | 10: 4 | 23 | 19:42 | 21 | * | * | * | * | 2:20 | 10 | 15:29 | 19 | * | * | * | * |
| 8 | 15 | 13 | 12 | 11 | 11 | 13 | 15 | 18 | 20 | 22 | 23 | 23 | 22 | 21 | 19 | 17 | 16 | 16 | 17 | 18 | 19 | 20 | 20 | 19 | 420 | 17.5 | | 10:28 | 23 | 21:38 | 20 | * | * | * | * | 3:10 | 11 | 16:46 | 16 | * | * | * | * |
| 9 | 17 | 16 | 14 | 13 | 12 | 13 | 14 | 17 | 19 | 22 | 23 | 24 | 23 | 21 | 19 | 16 | 14 | 13 | 12 | 14 | 15 | 17 | 19 | 20 | 407 | 17.0 | | 10:50 | 24 | 23:17 | 20 | * | * | * | * | 4: 3 | 12 | 17:39 | 12 | * | * | * | * |
| 10 | 20 | 19 | 17 | 15 | 14 | 14 | 14 | 16 | 19 | 22 | 24 | 25 | 25 | 23 | 20 | 16 | 13 | 11 | 9 | 9 | 11 | 14 | 17 | 20 | 407 | 17.0 | | 11:15 | 25 | * | * | * | * | 4:58 | 14 | 18:24 | 9 | * | * | * | * | | |
| 11 | 21 | 21 | 20 | 19 | 17 | 16 | 16 | 17 | 19 | 22 | 25 | 27 | 27 | 26 | 23 | 18 | 14 | 10 | 7 | 6 | 7 | 9 | 13 | 18 | 418 | 17.4 | | 0:37 | 21 | 11:42 | 27 | * | * | * | * | 5:50 | 16 | 19: 8 | 6 | * | * | * | * |
| 12 | 21 | 23 | 24 | 23 | 21 | 20 | 19 | 19 | 20 | 22 | 26 | 29 | 30 | 30 | 27 | 23 | 17 | 12 | 7 | 4 | 3 | 5 | 9 | 14 | 448 | 18.7 | | 1:46 | 24 | 12:15 | 30 | * | * | * | * | 6:38 | 18 | 19:53 | 3 | * | * | * | * |
| 13 | 19 | 23 | 26 | 26 | 25 | 24 | 22 | 21 | 21 | 23 | 26 | 30 | 32 | 33 | 32 | 28 | 23 | 17 | 11 | 5 | 2 | 2 | 4 | 9 | 484 | 20.2 | | 2:49 | 26 | 12:53 | 33 | * | * | * | * | 7:24 | 21 | 20:41 | 2 | * | * | * | * |
| 14 | 15 | 21 | 25 | 28 | 28 | 27 | 26 | 24 | 23 | 24 | 26 | 30 | 33 | 36 | 36 | 34 | 29 | 23 | 16 | 10 | 4 | 1 | 1 | 5 | 525 | 21.9 | N | 3:46 | 28 | 13:36 | 36 | * | * | * | * | 8: 9 | 23 | 21:30 | # 1 | * | * | * | * |
| 15 | 10 | 17 | 23 | 27 | 30 | 30 | 29 | 27 | 26 | 25 | 26 | 29 | 33 | 36 | 38 | 38 | 35 | 30 | 24 | 16 | 10 | 4 | 2 | 2 | 567 | 23.6 | | 4:40 | 30 | 14:24 | 39 | * | * | * | * | 8:55 | 25 | 22:22 | # 1 | * | * | * | * |
| 16 | 6 | 12 | 18 | 24 | 29 | 31 | 31 | 30 | 28 | 27 | 26 | 28 | 31 | 35 | 38 | 40 | 39 | 36 | 31 | 24 | 17 | 10 | 5 | 3 | 599 | 25.0 | | 5:31 | 31 | 15:16 | # 40 | * | * | * | * | 9:44 | 26 | 23:14 | 3 | * | * | * | * |
| 17 | 4 | 8 | 14 | 20 | 25 | 29 | 31 | 31 | 30 | 28 | 27 | 27 | 28 | 31 | 35 | 38 | 39 | 39 | 36 | 30 | 24 | 17 | 11 | 7 | 609 | 25.4 | | 6:23 | 31 | 16:11 | 39 | * | * | * | * | 10:38 | 27 | * | * | * | * | * | * |
| 18 | 5 | 6 | 10 | 16 | 21 | 26 | 29 | 31 | 30 | 29 | 28 | 26 | 26 | 28 | 30 | 34 | 36 | 37 | 37 | 34 | 29 | 24 | 18 | 13 | 603 | 25.1 | | 7:14 | 31 | 17:11 | 37 | * | * | * | * | 0: 7 | 5 | 11:40 | 26 | * | * | * | * |
| 19 | 9 | 8 | 9 | 13 | 17 | 22 | 26 | 29 | 30 | 30 | 28 | 27 | 25 | 25 | 26 | 28 | 31 | 33 | 34 | 34 | 32 | 28 | 23 | 18 | 585 | 24.4 | | 8: 6 | 30 | 18:17 | 34 | * | * | * | * | 1: 0 | 8 | 12:51 | 25 | * | * | * | * |
| 20 | 14 | 11 | 10 | 12 | 15 | 19 | 23 | 27 | 29 | 30 | 29 | 27 | 25 | 24 | 23 | 23 | 25 | 27 | 29 | 30 | 30 | 29 | 26 | 23 | 560 | 23.3 | U | 8:54 | 30 | 19:33 | 30 | * | * | * | * | 1:53 | 10 | 14:12 | 23 | * | * | * | * |
| 21 | 19 | 16 | 14 | 13 | 15 | 17 | 21 | 25 | 27 | 29 | 29 | 28 | 26 | 24 | 22 | 20 | 20 | 21 | 23 | 24 | 26 | 27 | 26 | 25 | 537 | 22.4 | | 9:38 | 29 | 21: 8 | 27 | * | * | * | * | 2:47 | 13 | 15:42 | 20 | * | * | * | * |
| 22 | 22 | 20 | 18 | 16 | 16 | 17 | 20 | 23 | 26 | 28 | 29 | 29 | 27 | 25 | 22 | 19 | 17 | 16 | 17 | 19 | 21 | 23 | 24 | 25 | 519 | 21.6 | | 10:16 | 29 | 22:51 | 25 | * | * | * | * | 3:39 | 16 | 17: 3 | 16 | * | * | * | * |
| 23 | 24 | 23 | 21 | 19 | 18 | 19 | 20 | 22 | 25 | 28 | 29 | 30 | 29 | 26 | 23 | 20 | 17 | 14 | 13 | 14 | 16 | 18 | 21 | 23 | 512 | 21.3 | | 10:48 | 30 | * | * | * | * | 4:28 | 18 | 18: 7 | 13 | * | * | * | * | | |
| 24 | 24 | 24 | 23 | 22 | 21 | 21 | 21 | 22 | 25 | 27 | 30 | 31 | 30 | 29 | 25 | 22 | 18 | 14 | 12 | 11 | 12 | 14 | 18 | 21 | 517 | 21.5 | | 0:29 | 24 | 11:18 | 31 | * | * | * | * | 5:13 | 21 | 18:58 | 11 | * | * | * | * |
| 25 | 23 | 25 | 25 | 25 | 24 | 23 | 23 | 23 | 25 | 27 | 30 | 32 | 32 | 31 | 28 | 24 | 20 | 16 | 12 | 10 | 10 | 12 | 15 | 18 | 533 | 22.2 | | 1:52 | 25 | 11:46 | 32 | * | * | * | * | 5:53 | 23 | 19:39 | 10 | * | * | * | * |
| 26 | 22 | 25 | 26 | 26 | 26 | 25 | 25 | 25 | 26 | 28 | 30 | 32 | 34 | 33 | 31 | 28 | 23 | 19 | 14 | 11 | 9 | 10 | 12 | 16 | 556 | 23.2 | | 2:52 | 26 | 12:15 | 34 | * | * | * | * | 6:28 | 24 | 20:16 | 9 | * | * | * | * |
| 27 | 21 | 24 | 27 | 28 | 28 | 27 | 27 | 26 | 27 | 28 | 30 | 33 | 35 | 35 | 34 | 31 | 27 | 22 | 17 | 13 | 11 | 10 | 11 | 15 | 587 | 24.5 | | 3:33 | 28 | 12:46 | 35 | * | * | * | * | 7: 3 | 26 | 20:51 | 10 | * | * | * | * |
| 28 | 19 | 23 | 27 | 29 | 30 | 29 | 29 | 28 | 28 | 29 | 31 | 33 | 36 | 37 | 37 | 35 | 31 | 27 | 21 | 17 | 13 | 11 | 11 | 13 | 624 | 26.0 | F | 4: 7 | 30 | 13:21 | 37 | * | * | * | * | 7:38 | 28 | 21:26 | 11 | * | * | * | * |
| 29 | 17 | 22 | 26 | 29 | 31 | 31 | 30 | 29 | 29 | 29 | 30 | 33 | 36 | 38 | 39 | 38 | 35 | 31 | 26 | 20 | 16 | 13 | 12 | 13 | 653 | 27.2 | | 4:39 | 31 | 13:57 | 39 | * | * | * | * | 8:15 | 29 | 22: 2 | 12 | * | * | * | * |
| 30 | 16 | 20 | 25 | 29 | 31 | 32 | 32 | 31 | 30 | 30 | 30 | 32 | 35 | 37 | 39 | 39 | 38 | 34 | 30 | 25 | 20 | 16 | 13 | 13 | 677 | 28.2 | | 5:11 | 32 | 14:35 | 39 | * | * | * | * | 8:53 | 30 | 22:37 | 13 | * | * | * | * |

| N 総回数 | Sum 推算月合計 | Mean 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 | 15643 | 21.7 | 16日 15時 16分 | 40 | 1 | 15日 22時 22分 | 1 | 2 |

推算潮位（毎時・満干潮）

地点名：直江津

緯度：37°11' N

経度：138°15' E

潮位表基準面の零点：平均海面下 19.0(cm)

2018年7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 | 15 | 19 | 23 | 27 | 31 | 32 | 33 | 32 | 31 | 30 | 30 | 31 | 33 | 36 | 38 | 39 | 39 | 37 | 33 | 28 | 23 | 19 | 16 | 14 | 689 | 28.7 | | 5:45 | 33 | 15:14 | 39 | * | * | * | * | 9:35 | 30 | 23:13 | 14 | * | * | * | * |
| 2 | 15 | 17 | 21 | 25 | 29 | 32 | 33 | 33 | 32 | 31 | 30 | 30 | 31 | 34 | 36 | 38 | 39 | 38 | 35 | 31 | 26 | 22 | 18 | 16 | 692 | 28.8 | | 6:21 | 33 | 15:53 | 39 | * | * | * | * | 10:20 | 30 | 23:48 | 15 | * | * | * | * |
| 3 | 15 | 16 | 19 | 23 | 27 | 30 | 32 | 32 | 32 | 31 | 30 | 29 | 30 | 31 | 33 | 35 | 37 | 37 | 35 | 32 | 29 | 24 | 21 | 18 | 678 | 28.3 | | 6:56 | 32 | 16:33 | 37 | * | * | * | * | 11:11 | 29 | * | * | * | * | * | * |
| 4 | 16 | 16 | 18 | 21 | 25 | 28 | 31 | 32 | 32 | 31 | 30 | 29 | 28 | 29 | 30 | 32 | 34 | 34 | 34 | 33 | 30 | 26 | 23 | 20 | 662 | 27.6 | | 7:32 | 32 | 17:18 | 34 | * | * | * | * | 0:23 | 16 | 12: 9 | 28 | * | * | * | * |
| 5 | 18 | 17 | 18 | 20 | 23 | 26 | 29 | 31 | 32 | 31 | 30 | 29 | 27 | 27 | 27 | 28 | 30 | 31 | 32 | 31 | 30 | 28 | 25 | 22 | 642 | 26.8 | | 8: 4 | 32 | 18:14 | 32 | * | * | * | * | 0:57 | 17 | 13:17 | 27 | * | * | * | * |
| 6 | 20 | 18 | 18 | 20 | 22 | 25 | 28 | 30 | 31 | 31 | 30 | 29 | 27 | 26 | 25 | 25 | 25 | 27 | 28 | 29 | 29 | 28 | 26 | 24 | 621 | 25.9 | L | 8:35 | 31 | 19:34 | 29 | * | * | * | * | 1:31 | 18 | 14:33 | 25 | * | * | * | * |
| 7 | 22 | 21 | 20 | 20 | 22 | 24 | 27 | 29 | 31 | 32 | 31 | 30 | 28 | 25 | 23 | 22 | 22 | 22 | 24 | 25 | 27 | 27 | 27 | 26 | 607 | 25.3 | | 9: 4 | 32 | 21:22 | 28 | * | * | * | * | 2: 8 | 20 | 15:51 | 22 | * | * | * | * |
| 8 | 25 | 24 | 23 | 22 | 23 | 24 | 27 | 29 | 31 | 33 | 33 | 32 | 29 | 26 | 23 | 21 | 19 | 18 | 19 | 21 | 23 | 26 | 27 | 28 | 606 | 25.3 | | 9:36 | 33 | 23:10 | 28 | * | * | * | * | 2:52 | 22 | 16:57 | 18 | * | * | * | * |
| 9 | 28 | 27 | 26 | 25 | 25 | 25 | 27 | 29 | 32 | 34 | 35 | 34 | 32 | 29 | 25 | 21 | 18 | 16 | 15 | 16 | 19 | 22 | 25 | 28 | 613 | 25.5 | | 10:11 | 35 | * | * | * | * | 3:46 | 25 | 17:55 | 15 | * | * | * | * | | |
| 10 | 29 | 30 | 29 | 28 | 28 | 27 | 28 | 30 | 32 | 35 | 37 | 38 | 36 | 33 | 29 | 24 | 20 | 16 | 13 | 13 | 14 | 18 | 22 | 26 | 635 | 26.5 | | 0:45 | 30 | 10:51 | 38 | * | * | * | * | 4:49 | 27 | 18:48 | 13 | * | * | * | * |
| 11 | 30 | 32 | 32 | 32 | 31 | 30 | 30 | 30 | 32 | 35 | 38 | 40 | 40 | 39 | 35 | 30 | 24 | 18 | 14 | 11 | 11 | 13 | 17 | 23 | 667 | 27.8 | | 1:59 | 32 | 11:37 | 41 | * | * | * | * | 5:51 | 30 | 19:40 | 10 | * | * | * | * |
| 12 | 28 | 32 | 34 | 35 | 34 | 33 | 32 | 31 | 32 | 35 | 38 | 41 | 43 | 43 | 41 | 36 | 30 | 24 | 17 | 13 | 10 | 10 | 13 | 18 | 703 | 29.3 | | 2:55 | 35 | 12:27 | 44 | * | * | * | * | 6:48 | 31 | 20:31 | #9 | * | * | * | * |
| 13 | 24 | 29 | 34 | 36 | 36 | 35 | 34 | 33 | 33 | 34 | 37 | 41 | 44 | 46 | 46 | 43 | 38 | 31 | 24 | 17 | 12 | 9 | 10 | 13 | 739 | 30.8 | N | 3:42 | 36 | 13:22 | 46 | * | * | * | * | 7:43 | 32 | 21:22 | #9 | * | * | * | * |
| 14 | 19 | 26 | 31 | 35 | 37 | 37 | 36 | 34 | 33 | 33 | 34 | 38 | 42 | 46 | 48 | 47 | 44 | 39 | 31 | 24 | 17 | 12 | 10 | 11 | 764 | 31.8 | | 4:25 | 37 | 14:19 | #48 | * | * | * | * | 8:37 | 33 | 22:13 | 10 | * | * | * | * |
| 15 | 15 | 21 | 27 | 33 | 36 | 38 | 37 | 35 | 34 | 32 | 32 | 34 | 38 | 42 | 46 | 48 | 47 | 44 | 38 | 31 | 24 | 18 | 13 | 11 | 774 | 32.3 | | 5: 6 | 38 | 15:18 | #48 | * | * | * | * | 9:32 | 32 | 23: 2 | 11 | * | * | * | * |
| 16 | 13 | 17 | 23 | 29 | 34 | 37 | 38 | 37 | 35 | 33 | 31 | 31 | 33 | 37 | 41 | 45 | 47 | 46 | 43 | 37 | 31 | 24 | 19 | 15 | 776 | 32.3 | | 5:47 | 38 | 16:16 | 47 | * | * | * | * | 10:30 | 31 | 23:50 | 13 | * | * | * | * |
| 17 | 14 | 16 | 20 | 26 | 31 | 35 | 37 | 37 | 36 | 33 | 31 | 30 | 30 | 32 | 35 | 39 | 42 | 44 | 43 | 40 | 36 | 30 | 25 | 20 | 762 | 31.8 | | 6:29 | 37 | 17:15 | 44 | * | * | * | * | 11:31 | 30 | * | * | * | * | * | * |
| 18 | 17 | 17 | 19 | 23 | 28 | 32 | 36 | 37 | 36 | 35 | 32 | 30 | 28 | 28 | 30 | 32 | 36 | 38 | 40 | 39 | 37 | 34 | 29 | 25 | 738 | 30.8 | | 7:11 | 37 | 18:18 | 40 | * | * | * | * | 0:37 | 16 | 12:37 | 28 | * | * | * | * |
| 19 | 22 | 20 | 20 | 22 | 26 | 30 | 34 | 36 | 37 | 36 | 34 | 31 | 28 | 27 | 26 | 27 | 29 | 32 | 34 | 35 | 35 | 34 | 32 | 29 | 716 | 29.8 | | 7:53 | 37 | 19:32 | 36 | * | * | * | * | 1:22 | 20 | 13:51 | 26 | * | * | * | * |
| 20 | 26 | 24 | 23 | 24 | 26 | 29 | 32 | 35 | 36 | 36 | 35 | 33 | 30 | 27 | 25 | 24 | 24 | 26 | 28 | 30 | 31 | 32 | 32 | 30 | 698 | 29.1 | U | 8:34 | 37 | 21: 7 | 32 | * | * | * | * | 2: 4 | 23 | 15:15 | 24 | * | * | * | * |
| 21 | 29 | 27 | 26 | 26 | 27 | 29 | 31 | 34 | 36 | 37 | 36 | 35 | 32 | 29 | 26 | 23 | 22 | 22 | 23 | 25 | 27 | 29 | 30 | 30 | 691 | 28.8 | | 9:13 | 37 | 23: 6 | 30 | * | * | * | * | 2:44 | 26 | 16:38 | 22 | * | * | * | * |
| 22 | 30 | 30 | 29 | 28 | 28 | 29 | 31 | 33 | 35 | 37 | 37 | 36 | 34 | 31 | 28 | 25 | 22 | 20 | 20 | 21 | 23 | 25 | 28 | 29 | 689 | 28.7 | | 9:50 | 37 | * | * | * | * | 3:21 | 28 | 17:47 | 20 | * | * | * | * | | |
| 23 | 31 | 31 | 31 | 31 | 30 | 31 | 32 | 33 | 35 | 37 | 38 | 38 | 37 | 34 | 31 | 27 | 23 | 20 | 19 | 18 | 20 | 22 | 25 | 28 | 702 | 29.3 | | 10:26 | 38 | * | * | * | * | 18:41 | 18 | * | * | * | * | * | * | | |
| 24 | 30 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 35 | 37 | 39 | 39 | 39 | 37 | 34 | 30 | 26 | 22 | 19 | 18 | 18 | 20 | 23 | 26 | 717 | 29.9 | | 11: 3 | 39 | * | * | * | * | 19:24 | 18 | * | * | * | * | * | * | | |
| 25 | 30 | 32 | 33 | 34 | 34 | 33 | 33 | 34 | 35 | 37 | 39 | 40 | 41 | 40 | 37 | 34 | 29 | 25 | 21 | 19 | 18 | 18 | 21 | 25 | 742 | 30.9 | | 11:43 | 41 | * | * | * | * | 20: 2 | 18 | * | * | * | * | * | * | | |
| 26 | 29 | 32 | 34 | 35 | 35 | 34 | 34 | 34 | 35 | 36 | 39 | 41 | 42 | 42 | 41 | 37 | 33 | 29 | 24 | 20 | 18 | 18 | 20 | 23 | 765 | 31.9 | | 3:25 | 35 | 12:25 | 42 | * | * | * | * | 6:29 | 34 | 20:37 | 18 | * | * | * | * |
| 27 | 27 | 31 | 34 | 36 | 36 | 36 | 35 | 34 | 34 | 36 | 38 | 41 | 43 | 44 | 43 | 41 | 37 | 33 | 28 | 23 | 20 | 18 | 19 | 22 | 789 | 32.9 | | 3:45 | 36 | 13: 8 | 44 | * | * | * | * | 7:15 | 34 | 21:11 | 18 | * | * | * | * |
| 28 | 26 | 30 | 34 | 36 | 37 | 37 | 36 | 35 | 34 | 35 | 37 | 39 | 42 | 44 | 45 | 44 | 41 | 36 | 31 | 26 | 22 | 19 | 19 | 21 | 806 | 33.6 | F | 4: 8 | 37 | 13:51 | 45 | * | * | * | * | 7:59 | 34 | 21:45 | 19 | * | * | * | * |
| 29 | 24 | 28 | 32 | 36 | 37 | 37 | 36 | 35 | 34 | 34 | 35 | 37 | 41 | 43 | 45 | 45 | 43 | 40 | 35 | 30 | 25 | 21 | 19 | 20 | 812 | 33.8 | | 4:34 | 38 | 14:32 | 45 | * | * | * | * | 8:41 | 34 | 22:18 | 19 | * | * | * | * |
| 30 | 22 | 26 | 31 | 34 | 37 | 38 | 37 | 36 | 34 | 33 | 34 | 35 | 38 | 41 | 44 | 45 | 44 | 42 | 38 | 33 | 28 | 24 | 21 | 20 | 815 | 34.0 | | 5: 1 | 38 | 15:12 | 45 | * | * | * | * | 9:24 | 33 | 22:50 | 20 | * | * | * | * |
| 31 | 22 | 25 | 29 | 33 | 36 | 37 | 37 | 36 | 35 | 33 | 32 | 33 | 35 | 38 | 41 | 43 | 44 | 43 | 39 | 35 | 30 | 26 | 23 | 21 | 806 | 33.6 | | 5:28 | 38 | 15:52 | 44 | * | * | * | * | 10: 9 | 32 | 23:21 | 21 | * | * | * | * |

| N 総回数 | Sum 推算月合計 | Mean 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 |
| 744 | 22116 | 29.7 | 15日 15時 18分 | 48 | 2 | 13日 21時 22分 | 9 | 2 |

推算潮位（毎時・満干潮）

地点名：直江津

緯度：37 °11 N

経度：138 °15 E

潮位表基準面の零点：平均海面下 19.0(cm)

2018 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 | 時刻 | 潮位 |
| 1 | 21 | 24 | 27 | 31 | 34 | 37 | 37 | 37 | 35 | 33 | 32 | 31 | 32 | 34 | 37 | 40 | 42 | 42 | 40 | 37 | 33 | 29 | 25 | 23 | 793 | 33.0 | | 5:55 | 37 | 16:33 | 42 | * | * | * | * | 10:57 | 31 | 23:51 | 22 | * | * | * | * |
| 2 | 22 | 23 | 26 | 30 | 33 | 36 | 37 | 37 | 35 | 34 | 32 | 30 | 30 | 31 | 33 | 36 | 38 | 39 | 39 | 37 | 34 | 31 | 27 | 25 | 775 | 32.3 | | 6:21 | 37 | 17:20 | 39 | * | * | * | * | 11:48 | 30 | * | * | * | * | * | * |
| 3 | 23 | 24 | 26 | 29 | 32 | 35 | 37 | 37 | 36 | 34 | 32 | 30 | 29 | 28 | 29 | 31 | 34 | 36 | 37 | 36 | 35 | 32 | 30 | 27 | 759 | 31.6 | | 6:48 | 37 | 18:18 | 37 | * | * | * | * | 0:20 | 23 | 12:46 | 28 | * | * | * | * |
| 4 | 26 | 25 | 26 | 29 | 31 | 34 | 36 | 37 | 37 | 36 | 33 | 31 | 29 | 27 | 27 | 27 | 29 | 31 | 33 | 34 | 34 | 33 | 32 | 30 | 747 | 31.1 | | 7:17 | 38 | 19:37 | 34 | * | * | * | * | 0:49 | 25 | 13:53 | 27 | * | * | * | * |
| 5 | 29 | 28 | 28 | 29 | 31 | 34 | 36 | 38 | 38 | 37 | 35 | 33 | 30 | 27 | 25 | 25 | 25 | 26 | 29 | 31 | 32 | 33 | 32 | 744 | 31.0 | L | 7:49 | 38 | 21:27 | 33 | * | * | * | * | 1:20 | 28 | 15: 7 | 24 | * | * | * | * | |
| 6 | 31 | 31 | 30 | 31 | 32 | 34 | 36 | 38 | 40 | 40 | 38 | 36 | 32 | 29 | 26 | 23 | 22 | 22 | 24 | 26 | 29 | 31 | 33 | 34 | 748 | 31.2 | | 8:30 | 40 | 23:33 | 34 | * | * | * | * | 1:56 | 30 | 16:23 | 22 | * | * | * | * |
| 7 | 34 | 34 | 33 | 33 | 33 | 35 | 36 | 39 | 41 | 42 | 41 | 40 | 36 | 32 | 28 | 25 | 22 | 20 | 20 | 21 | 24 | 28 | 31 | 34 | 762 | 31.8 | | 9:19 | 42 | * | * | * | * | 2:47 | 33 | 17:33 | 20 | * | * | * | * | | |
| 8 | 35 | 36 | 36 | 35 | 35 | 35 | 36 | 38 | 41 | 43 | 44 | 43 | 41 | 38 | 33 | 28 | 24 | 20 | 18 | 18 | 20 | 23 | 28 | 32 | 780 | 32.5 | | 1:14 | 36 | 10:15 | 44 | * | * | * | * | 4: 5 | 35 | 18:35 | 17 | * | * | * | * |
| 9 | 35 | 37 | 38 | 38 | 37 | 36 | 36 | 37 | 40 | 42 | 45 | 46 | 46 | 43 | 39 | 34 | 28 | 23 | 18 | 16 | 16 | 19 | 23 | 28 | 800 | 33.3 | | 2: 7 | 38 | 11:17 | 46 | * | * | * | * | 5:27 | 36 | 19:30 | 16 | * | * | * | * |
| 10 | 33 | 37 | 39 | 39 | 38 | 37 | 37 | 36 | 38 | 40 | 44 | 47 | 49 | 48 | 46 | 41 | 35 | 28 | 22 | 17 | 15 | 15 | 19 | 24 | 824 | 34.3 | | 2:45 | 39 | 12:20 | 49 | * | * | * | * | 6:36 | 36 | 20:22 | 15 | * | * | * | * |
| 11 | 30 | 35 | 38 | 40 | 40 | 38 | 37 | 36 | 36 | 37 | 40 | 45 | 48 | 50 | 50 | 47 | 42 | 35 | 28 | 22 | 17 | 14 | 16 | 20 | 841 | 35.0 | N | 3:18 | 40 | 13:23 | 50 | * | * | * | * | 7:35 | 35 | 21:11 | # 14 | * | * | * | * |
| 12 | 25 | 31 | 36 | 40 | 40 | 39 | 37 | 35 | 34 | 34 | 36 | 40 | 45 | 49 | 51 | 51 | 48 | 42 | 35 | 28 | 21 | 17 | 15 | 17 | 846 | 35.3 | | 3:52 | 40 | 14:24 | # 51 | * | * | * | * | 8:31 | 34 | 21:58 | 15 | * | * | * | * |
| 13 | 22 | 28 | 34 | 38 | 40 | 40 | 38 | 36 | 33 | 32 | 32 | 35 | 39 | 44 | 48 | 50 | 50 | 47 | 41 | 34 | 28 | 22 | 18 | 17 | 846 | 35.3 | | 4:26 | 41 | 15:21 | # 51 | * | * | * | * | 9:26 | 32 | 22:43 | 17 | * | * | * | * |
| 14 | 20 | 25 | 30 | 36 | 39 | 41 | 40 | 37 | 34 | 31 | 30 | 30 | 33 | 38 | 42 | 46 | 48 | 48 | 45 | 39 | 33 | 28 | 23 | 20 | 836 | 34.8 | | 5: 1 | 41 | 16:17 | 49 | * | * | * | * | 10:20 | 30 | 23:25 | 20 | * | * | * | * |
| 15 | 20 | 23 | 28 | 33 | 38 | 40 | 40 | 39 | 36 | 32 | 30 | 28 | 29 | 31 | 36 | 40 | 43 | 45 | 44 | 42 | 37 | 32 | 28 | 24 | 818 | 34.1 | | 5:36 | 40 | 17:14 | 45 | * | * | * | * | 11:17 | 28 | * | * | * | * | * | * |
| 16 | 23 | 24 | 27 | 31 | 36 | 39 | 40 | 40 | 38 | 34 | 31 | 28 | 27 | 27 | 30 | 33 | 37 | 40 | 41 | 41 | 39 | 35 | 32 | 29 | 802 | 33.4 | | 6:12 | 40 | 18:16 | 41 | * | * | * | * | 0: 5 | 23 | 12:18 | 27 | * | * | * | * |
| 17 | 27 | 26 | 28 | 31 | 34 | 38 | 40 | 40 | 39 | 37 | 33 | 30 | 27 | 26 | 26 | 28 | 31 | 34 | 36 | 37 | 37 | 36 | 34 | 32 | 787 | 32.8 | | 6:47 | 40 | 19:31 | 37 | * | * | * | * | 0:43 | 26 | 13:24 | 26 | * | * | * | * |
| 18 | 30 | 29 | 30 | 31 | 34 | 37 | 39 | 40 | 40 | 38 | 36 | 33 | 30 | 27 | 25 | 25 | 26 | 28 | 31 | 33 | 34 | 35 | 35 | 34 | 780 | 32.5 | U | 7:23 | 40 | 21:15 | 35 | * | * | * | * | 1:15 | 29 | 14:40 | 25 | * | * | * | * |
| 19 | 33 | 32 | 32 | 33 | 34 | 36 | 38 | 40 | 40 | 40 | 38 | 35 | 32 | 29 | 27 | 25 | 24 | 25 | 26 | 28 | 31 | 32 | 34 | 34 | 778 | 32.4 | | 8: 0 | 40 | * | * | * | * | 1:41 | 32 | 16: 2 | 24 | * | * | * | * | | |
| 20 | 34 | 34 | 34 | 35 | 35 | 36 | 38 | 39 | 40 | 40 | 40 | 38 | 35 | 32 | 29 | 26 | 24 | 23 | 24 | 25 | 27 | 30 | 32 | 34 | 784 | 32.7 | | 8:42 | 40 | * | * | * | * | 17:18 | 23 | * | * | * | * | * | * | | |
| 21 | 35 | 35 | 36 | 36 | 36 | 37 | 38 | 39 | 40 | 41 | 41 | 40 | 38 | 35 | 32 | 29 | 26 | 24 | 23 | 23 | 25 | 27 | 30 | 33 | 799 | 33.3 | | 9:32 | 41 | * | * | * | * | 18:17 | 23 | * | * | * | * | * | * | | |
| 22 | 35 | 36 | 37 | 37 | 37 | 37 | 37 | 38 | 39 | 41 | 42 | 42 | 41 | 38 | 36 | 32 | 28 | 25 | 23 | 22 | 23 | 25 | 28 | 31 | 810 | 33.8 | | 10:28 | 42 | * | * | * | * | 19: 3 | 22 | * | * | * | * | * | * | | |
| 23 | 34 | 36 | 37 | 37 | 37 | 37 | 37 | 37 | 38 | 40 | 42 | 43 | 43 | 41 | 39 | 35 | 31 | 28 | 24 | 22 | 22 | 23 | 26 | 30 | 819 | 34.1 | | 2:41 | 37 | 11:25 | 43 | * | * | * | * | 5:36 | 37 | 19:42 | 22 | * | * | * | * |
| 24 | 33 | 36 | 37 | 38 | 37 | 37 | 36 | 36 | 37 | 39 | 41 | 43 | 44 | 44 | 42 | 39 | 35 | 30 | 26 | 23 | 22 | 22 | 24 | 28 | 829 | 34.5 | | 2:50 | 38 | 12:18 | 44 | * | * | * | * | 6:30 | 36 | 20:17 | 21 | * | * | * | * |
| 25 | 32 | 35 | 37 | 38 | 38 | 37 | 36 | 35 | 35 | 37 | 39 | 42 | 44 | 45 | 44 | 42 | 38 | 33 | 29 | 25 | 22 | 21 | 23 | 26 | 833 | 34.7 | | 3: 6 | 38 | 13: 5 | 45 | * | * | * | * | 7:14 | 35 | 20:50 | 21 | * | * | * | * |
| 26 | 30 | 34 | 37 | 38 | 38 | 37 | 35 | 34 | 34 | 34 | 37 | 40 | 43 | 45 | 46 | 44 | 41 | 37 | 32 | 27 | 23 | 22 | 22 | 24 | 834 | 34.8 | F | 3:25 | 38 | 13:49 | 46 | * | * | * | * | 7:55 | 34 | 21:21 | 21 | * | * | * | * |
| 27 | 28 | 32 | 36 | 38 | 38 | 37 | 36 | 34 | 33 | 32 | 34 | 37 | 40 | 44 | 45 | 45 | 43 | 39 | 35 | 30 | 26 | 23 | 22 | 23 | 830 | 34.6 | | 3:45 | 38 | 14:30 | 46 | * | * | * | * | 8:35 | 32 | 21:51 | 22 | * | * | * | * |
| 28 | 27 | 31 | 34 | 37 | 38 | 38 | 36 | 34 | 32 | 31 | 31 | 34 | 37 | 41 | 44 | 45 | 44 | 41 | 37 | 32 | 28 | 24 | 23 | 23 | 822 | 34.3 | | 4: 7 | 38 | 15:10 | 45 | * | * | * | * | 9:16 | 31 | 22:20 | 22 | * | * | * | * |
| 29 | 25 | 29 | 33 | 36 | 38 | 38 | 37 | 34 | 32 | 30 | 29 | 30 | 33 | 37 | 41 | 43 | 44 | 42 | 39 | 35 | 31 | 27 | 24 | 24 | 811 | 33.8 | | 4:29 | 38 | 15:51 | 44 | * | * | * | * | 9:57 | 29 | 22:48 | 24 | * | * | * | * |
| 30 | 25 | 28 | 32 | 36 | 38 | 39 | 37 | 35 | 33 | 30 | 28 | 28 | 30 | 33 | 36 | 40 | 42 | 42 | 40 | 37 | 33 | 30 | 27 | 25 | 804 | 33.5 | | 4:51 | 39 | 16:35 | 42 | * | * | * | * | 10:41 | 28 | 23:16 | 25 | * | * | * | * |
| 31 | 26 | 28 | 32 | 35 | 38 | 39 | 38 | 37 | 34 | 31 | 28 | 27 | 27 | 29 | 32 | 35 | 38 | 40 | 40 | 38 | 35 | 32 | 30 | 28 | 797 | 33.2 | | 5:14 | 39 | 17:26 | 40 | * | * | * | * | 11:28 | 27 | 23:44 | 27 | * | * | * | * |

| N 総回数 | Sum 推算月合計 | Mean 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 |
| 744 | 24838 | 33.4 | 13日 15時 21分 | 51 | 2 | 11日 21時 11分 | 14 | 1 |

推算潮位（毎時・満干潮）

地点名：直江津

緯度：37 °11 N

経度：138 °15 E

潮位表基準面の零点：平均海面下 19.0(cm)

2018 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 | 27 | 29 | 31 | 35 | 38 | 39 | 39 | 38 | 36 | 32 | 29 | 27 | 26 | 26 | 28 | 31 | 34 | 36 | 38 | 38 | 37 | 35 | 32 | 31 | 792 | 33.0 | | 5:38 | 40 | 18:29 | 38 | * | * | * | * | 12:22 | 25 | * | * | * | * | * | * |
| 2 | 30 | 30 | 32 | 35 | 37 | 40 | 40 | 40 | 38 | 35 | 32 | 28 | 26 | 25 | 25 | 26 | 29 | 32 | 34 | 36 | 36 | 36 | 35 | 33 | 790 | 32.9 | | 6:7 | 40 | 19:55 | 36 | * | * | * | * | 0:12 | 30 | 13:24 | 24 | * | * | * | * |
| 3 | 33 | 32 | 33 | 35 | 37 | 40 | 41 | 41 | 40 | 38 | 35 | 31 | 28 | 25 | 24 | 23 | 25 | 27 | 30 | 32 | 34 | 35 | 36 | 35 | 790 | 32.9 | L | 6:43 | 41 | 21:58 | 36 | * | * | * | * | 0:40 | 32 | 14:37 | 23 | * | * | * | * |
| 4 | 35 | 35 | 35 | 36 | 37 | 39 | 41 | 42 | 42 | 41 | 38 | 35 | 31 | 28 | 25 | 23 | 22 | 23 | 25 | 28 | 31 | 33 | 35 | 36 | 796 | 33.2 | | 7:33 | 42 | * | * | * | * | 1:11 | 35 | 15:59 | 22 | * | * | * | * | | |
| 5 | 37 | 37 | 37 | 37 | 37 | 38 | 40 | 42 | 43 | 43 | 42 | 40 | 36 | 32 | 28 | 24 | 22 | 20 | 21 | 23 | 26 | 30 | 33 | 36 | 804 | 33.5 | | 8:40 | 43 | * | * | * | * | 17:17 | 20 | * | * | * | * | * | * | | |
| 6 | 37 | 38 | 38 | 38 | 37 | 38 | 38 | 40 | 42 | 44 | 44 | 44 | 41 | 38 | 33 | 28 | 24 | 21 | 19 | 19 | 21 | 25 | 29 | 34 | 810 | 33.8 | | 1:20 | 38 | 9:58 | 44 | * | * | * | * | 4:9 | 37 | 18:23 | 19 | * | * | * | * |
| 7 | 37 | 38 | 39 | 38 | 37 | 37 | 36 | 37 | 39 | 42 | 44 | 46 | 45 | 43 | 39 | 34 | 28 | 23 | 19 | 17 | 18 | 21 | 25 | 30 | 812 | 33.8 | | 1:47 | 39 | 11:16 | 46 | * | * | * | * | 5:39 | 36 | 19:19 | #17 | * | * | * | * |
| 8 | 35 | 38 | 39 | 39 | 37 | 36 | 35 | 34 | 36 | 38 | 42 | 45 | 47 | 47 | 44 | 40 | 34 | 28 | 23 | 18 | 17 | 18 | 21 | 27 | 818 | 34.1 | | 2:13 | 39 | 12:28 | 47 | * | * | * | * | 6:44 | 34 | 20:8 | #17 | * | * | * | * |
| 9 | 32 | 36 | 39 | 39 | 38 | 35 | 33 | 32 | 32 | 33 | 37 | 42 | 45 | 48 | 48 | 45 | 40 | 34 | 28 | 22 | 18 | 17 | 19 | 23 | 815 | 34.0 | | 2:39 | 39 | 13:31 | #48 | * | * | * | * | 7:38 | 31 | 20:53 | #17 | * | * | * | * |
| 10 | 29 | 34 | 38 | 39 | 38 | 36 | 33 | 30 | 29 | 29 | 31 | 36 | 41 | 45 | 48 | 48 | 45 | 40 | 33 | 27 | 22 | 19 | 18 | 21 | 809 | 33.7 | N | 3:8 | 39 | 14:28 | #48 | * | * | * | * | 8:29 | 28 | 21:35 | 18 | * | * | * | * |
| 11 | 26 | 31 | 36 | 39 | 39 | 37 | 34 | 31 | 27 | 26 | 26 | 29 | 34 | 40 | 44 | 47 | 46 | 43 | 38 | 33 | 27 | 23 | 20 | 21 | 797 | 33.2 | | 3:37 | 40 | 15:23 | 47 | * | * | * | * | 9:19 | 26 | 22:15 | 20 | * | * | * | * |
| 12 | 25 | 30 | 34 | 38 | 40 | 39 | 36 | 32 | 28 | 25 | 23 | 24 | 28 | 33 | 38 | 43 | 45 | 44 | 41 | 37 | 32 | 27 | 24 | 23 | 789 | 32.9 | | 4:8 | 40 | 16:17 | 45 | * | * | * | * | 10:9 | 23 | 22:53 | 23 | * | * | * | * |
| 13 | 25 | 28 | 33 | 37 | 40 | 40 | 38 | 35 | 30 | 26 | 23 | 22 | 23 | 27 | 32 | 37 | 40 | 42 | 41 | 39 | 35 | 32 | 28 | 27 | 780 | 32.5 | | 4:38 | 40 | 17:14 | 42 | * | * | * | * | 11:0 | 22 | 23:27 | 26 | * | * | * | * |
| 14 | 27 | 29 | 32 | 36 | 39 | 40 | 39 | 37 | 33 | 29 | 25 | 23 | 22 | 23 | 26 | 31 | 35 | 38 | 39 | 39 | 37 | 34 | 32 | 30 | 775 | 32.3 | | 5:7 | 40 | 18:17 | 39 | * | * | * | * | 11:54 | 22 | 23:57 | 30 | * | * | * | * |
| 15 | 30 | 30 | 33 | 36 | 38 | 40 | 40 | 39 | 36 | 32 | 28 | 25 | 23 | 22 | 23 | 26 | 29 | 33 | 35 | 36 | 36 | 36 | 34 | 33 | 773 | 32.2 | | 5:35 | 40 | 19:35 | 36 | * | * | * | * | 12:51 | 22 | * | * | * | * | * | * |
| 16 | 32 | 33 | 34 | 36 | 38 | 39 | 40 | 39 | 38 | 35 | 32 | 28 | 26 | 24 | 23 | 24 | 26 | 28 | 31 | 33 | 34 | 35 | 35 | 35 | 778 | 32.4 | | 6:2 | 40 | 21:28 | 35 | * | * | * | * | 0:21 | 32 | 13:56 | 23 | * | * | * | * |
| 17 | 34 | 34 | 35 | 36 | 37 | 39 | 40 | 40 | 39 | 37 | 35 | 32 | 29 | 26 | 24 | 24 | 24 | 25 | 27 | 30 | 32 | 33 | 35 | 35 | 782 | 32.6 | U | 6:32 | 40 | * | * | * | * | 0:28 | 34 | 15:11 | 24 | * | * | * | * | | |
| 18 | 36 | 36 | 36 | 36 | 37 | 38 | 39 | 39 | 39 | 38 | 37 | 35 | 32 | 29 | 27 | 25 | 24 | 24 | 25 | 27 | 29 | 31 | 33 | 35 | 787 | 32.8 | | 7:16 | 39 | * | * | * | * | 16:31 | 24 | * | * | * | * | * | * | | |
| 19 | 36 | 36 | 36 | 37 | 37 | 37 | 38 | 38 | 39 | 39 | 38 | 37 | 35 | 32 | 29 | 27 | 25 | 23 | 23 | 24 | 26 | 29 | 32 | 34 | 787 | 32.8 | | 8:28 | 39 | * | * | * | * | 17:39 | 23 | * | * | * | * | * | * | | |
| 20 | 36 | 36 | 37 | 36 | 36 | 36 | 36 | 37 | 38 | 39 | 39 | 39 | 37 | 35 | 32 | 29 | 26 | 24 | 23 | 23 | 24 | 27 | 30 | 33 | 788 | 32.8 | | 1:48 | 37 | 9:56 | 39 | * | * | * | * | 4:48 | 36 | 18:30 | 22 | * | * | * | * |
| 21 | 35 | 36 | 36 | 36 | 35 | 35 | 34 | 35 | 36 | 37 | 39 | 39 | 39 | 38 | 35 | 32 | 28 | 25 | 23 | 22 | 22 | 24 | 27 | 31 | 779 | 32.5 | | 1:49 | 36 | 11:12 | 39 | * | * | * | * | 5:53 | 34 | 19:11 | 22 | * | * | * | * |
| 22 | 34 | 36 | 36 | 36 | 35 | 33 | 33 | 32 | 33 | 35 | 37 | 39 | 40 | 40 | 38 | 35 | 31 | 27 | 24 | 22 | 21 | 22 | 25 | 29 | 773 | 32.2 | | 2:0 | 36 | 12:11 | 40 | * | * | * | * | 6:35 | 32 | 19:46 | 21 | * | * | * | * |
| 23 | 32 | 35 | 36 | 36 | 34 | 33 | 31 | 30 | 31 | 32 | 35 | 38 | 40 | 41 | 40 | 37 | 34 | 29 | 26 | 22 | 21 | 21 | 23 | 27 | 764 | 31.8 | | 2:14 | 36 | 13:0 | 41 | * | * | * | * | 7:13 | 30 | 20:17 | 21 | * | * | * | * |
| 24 | 31 | 34 | 35 | 36 | 34 | 32 | 30 | 28 | 28 | 29 | 32 | 35 | 38 | 40 | 41 | 39 | 36 | 32 | 28 | 24 | 21 | 21 | 22 | 25 | 751 | 31.3 | | 2:31 | 36 | 13:43 | 41 | * | * | * | * | 7:49 | 28 | 20:47 | 21 | * | * | * | * |
| 25 | 29 | 33 | 35 | 36 | 35 | 32 | 30 | 27 | 26 | 26 | 28 | 32 | 35 | 39 | 41 | 41 | 38 | 35 | 30 | 26 | 23 | 21 | 22 | 24 | 744 | 31.0 | F | 2:49 | 36 | 14:25 | 41 | * | * | * | * | 8:26 | 26 | 21:15 | 21 | * | * | * | * |
| 26 | 28 | 32 | 35 | 36 | 35 | 33 | 30 | 27 | 25 | 23 | 24 | 27 | 32 | 36 | 39 | 41 | 40 | 37 | 33 | 29 | 25 | 23 | 22 | 24 | 736 | 30.7 | | 3:7 | 36 | 15:8 | 41 | * | * | * | * | 9:4 | 23 | 21:44 | 22 | * | * | * | * |
| 27 | 28 | 31 | 35 | 37 | 36 | 34 | 31 | 28 | 25 | 22 | 22 | 24 | 27 | 32 | 36 | 39 | 40 | 39 | 36 | 32 | 28 | 26 | 24 | 25 | 737 | 30.7 | | 3:27 | 37 | 15:52 | 40 | * | * | * | * | 9:43 | 22 | 22:12 | 24 | * | * | * | * |
| 28 | 27 | 31 | 35 | 37 | 38 | 36 | 33 | 30 | 26 | 22 | 21 | 21 | 23 | 27 | 32 | 36 | 39 | 39 | 37 | 35 | 32 | 29 | 27 | 26 | 739 | 30.8 | | 3:49 | 38 | 16:42 | 39 | * | * | * | * | 10:26 | 20 | 22:41 | 26 | * | * | * | * |
| 29 | 28 | 31 | 35 | 37 | 39 | 38 | 36 | 32 | 28 | 24 | 21 | 20 | 20 | 23 | 27 | 32 | 35 | 37 | 38 | 36 | 34 | 32 | 30 | 29 | 742 | 30.9 | | 4:13 | 39 | 17:39 | 38 | * | * | * | * | 11:12 | 19 | 23:11 | 29 | * | * | * | * |
| 30 | 29 | 32 | 35 | 38 | 39 | 40 | 38 | 35 | 31 | 27 | 23 | 20 | 19 | 20 | 23 | 27 | 31 | 34 | 36 | 36 | 36 | 34 | 33 | 32 | 748 | 31.2 | | 4:40 | 40 | 18:49 | 36 | * | * | * | * | 12:4 | 19 | 23:40 | 31 | * | * | * | * |

| 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 |
| 720 | 23385 | 32.5 | 10日 14時 28分 | 48 | 2 | 9日 20時 53分 | 17 | 3 |

推算潮位（毎時・満干潮）

地点名：直江津

緯度：37 °11 N

経度：138 °15 E

潮位表基準面の零点：平均海面下 19.0(cm)

2018 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 | 31 | 32 | 35 | 37 | 39 | 41 | 40 | 38 | 35 | 31 | 26 | 23 | 20 | 19 | 20 | 22 | 26 | 29 | 32 | 34 | 35 | 35 | 35 | 34 | 749 | 31.2 | | 5:13 | #41 | 20:22 | 35 | * | * | * | * | 13: 5 | 19 | * | * | * | * | * | * |
| 2 | 34 | 34 | 35 | 37 | 39 | 40 | 41 | 40 | 38 | 35 | 31 | 27 | 23 | 20 | 19 | 20 | 21 | 24 | 28 | 31 | 33 | 35 | 35 | 35 | 755 | 31.5 | L | 5:55 | #41 | * | * | * | * | * | * | 0:11 | 34 | 14:16 | 19 | * | * | * | * |
| 3 | 35 | 35 | 35 | 36 | 37 | 39 | 40 | 40 | 40 | 38 | 35 | 31 | 27 | 24 | 21 | 19 | 19 | 20 | 23 | 26 | 29 | 32 | 34 | 35 | 750 | 31.3 | | 6:55 | 40 | * | * | * | * | * | * | 15:38 | 19 | * | * | * | * | * | * |
| 4 | 36 | 36 | 35 | 35 | 36 | 36 | 38 | 39 | 40 | 40 | 38 | 36 | 32 | 28 | 24 | 21 | 19 | 18 | 19 | 21 | 25 | 28 | 32 | 34 | 746 | 31.1 | | 8:21 | 40 | * | * | * | * | * | * | 16:59 | 18 | * | * | * | * | * | * |
| 5 | 35 | 36 | 35 | 34 | 34 | 34 | 34 | 36 | 38 | 39 | 40 | 39 | 37 | 33 | 29 | 25 | 21 | 18 | 17 | 18 | 21 | 24 | 29 | 32 | 738 | 30.8 | | 0:40 | 36 | 10: 0 | 40 | * | * | * | * | 4:41 | 34 | 18: 5 | 17 | * | * | * | * |
| 6 | 35 | 35 | 35 | 34 | 32 | 31 | 30 | 31 | 33 | 36 | 38 | 40 | 40 | 38 | 34 | 30 | 25 | 21 | 17 | 16 | 18 | 21 | 25 | 30 | 725 | 30.2 | | 1: 4 | 35 | 11:27 | 40 | * | * | * | * | 5:54 | 30 | 18:59 | 16 | * | * | * | * |
| 7 | 33 | 35 | 35 | 33 | 31 | 29 | 27 | 27 | 28 | 31 | 35 | 38 | 40 | 40 | 38 | 35 | 30 | 25 | 20 | 17 | 16 | 18 | 22 | 27 | 710 | 29.6 | | 1:27 | 35 | 12:37 | #41 | * | * | * | * | 6:49 | 27 | 19:46 | 16 | * | * | * | * |
| 8 | 31 | 34 | 35 | 34 | 31 | 28 | 25 | 23 | 23 | 25 | 29 | 33 | 38 | 40 | 41 | 38 | 34 | 29 | 24 | 20 | 18 | 18 | 20 | 25 | 696 | 29.0 | | 1:52 | 35 | 13:37 | #41 | * | * | * | * | 7:38 | 23 | 20:27 | 17 | * | * | * | * |
| 9 | 30 | 34 | 36 | 35 | 33 | 29 | 25 | 21 | 19 | 20 | 23 | 27 | 33 | 37 | 40 | 40 | 38 | 34 | 29 | 24 | 21 | 19 | 20 | 24 | 691 | 28.8 | N | 2:19 | 36 | 14:32 | 40 | * | * | * | * | 8:24 | 19 | 21: 5 | 19 | * | * | * | * |
| 10 | 28 | 33 | 36 | 36 | 34 | 31 | 26 | 22 | 18 | 17 | 18 | 21 | 27 | 32 | 37 | 39 | 39 | 37 | 33 | 28 | 25 | 22 | 22 | 24 | 685 | 28.5 | | 2:46 | 36 | 15:26 | 39 | * | * | * | * | 9:10 | 17 | 21:41 | 21 | * | * | * | * |
| 11 | 27 | 32 | 35 | 37 | 36 | 33 | 29 | 24 | 20 | 16 | 15 | 17 | 21 | 26 | 32 | 36 | 38 | 38 | 35 | 32 | 29 | 26 | 24 | 25 | 683 | 28.5 | | 3:13 | 37 | 16:21 | 38 | * | * | * | * | 9:55 | 15 | 22:14 | 24 | * | * | * | * |
| 12 | 27 | 31 | 35 | 37 | 37 | 36 | 32 | 27 | 22 | 18 | 15 | 15 | 17 | 21 | 27 | 31 | 35 | 36 | 36 | 34 | 32 | 29 | 27 | 27 | 684 | 28.5 | | 3:39 | 38 | 17:18 | 37 | * | * | * | * | 10:41 | 15 | 22:43 | 27 | * | * | * | * |
| 13 | 28 | 31 | 34 | 37 | 38 | 37 | 35 | 31 | 26 | 21 | 18 | 16 | 16 | 18 | 22 | 27 | 31 | 34 | 35 | 35 | 34 | 32 | 30 | 30 | 696 | 29.0 | | 4: 4 | 38 | 18:20 | 35 | * | * | * | * | 11:27 | 16 | 23: 8 | 30 | * | * | * | * |
| 14 | 30 | 32 | 34 | 37 | 38 | 38 | 36 | 33 | 29 | 25 | 21 | 18 | 17 | 17 | 20 | 23 | 27 | 30 | 33 | 34 | 34 | 33 | 32 | 32 | 703 | 29.3 | | 4:27 | 38 | 19:33 | 34 | * | * | * | * | 12:15 | 17 | 23:25 | 32 | * | * | * | * |
| 15 | 32 | 33 | 34 | 36 | 37 | 38 | 37 | 35 | 32 | 28 | 25 | 22 | 19 | 18 | 19 | 21 | 24 | 27 | 30 | 32 | 33 | 33 | 33 | 711 | 29.6 | | 4:50 | 38 | * | * | * | * | * | * | 13: 8 | 18 | * | * | * | * | * | * | |
| 16 | 33 | 33 | 34 | 35 | 37 | 37 | 37 | 36 | 34 | 31 | 28 | 25 | 22 | 21 | 20 | 20 | 22 | 24 | 26 | 29 | 31 | 32 | 33 | 33 | 713 | 29.7 | | 5:16 | 37 | * | * | * | * | * | * | 14:10 | 20 | * | * | * | * | * | * |
| 17 | 33 | 34 | 34 | 34 | 35 | 36 | 36 | 36 | 35 | 33 | 31 | 28 | 25 | 23 | 21 | 21 | 21 | 22 | 24 | 26 | 28 | 30 | 32 | 33 | 711 | 29.6 | U | 5:53 | 36 | * | * | * | * | * | * | 15:22 | 21 | * | * | * | * | * | * |
| 18 | 33 | 33 | 33 | 33 | 33 | 34 | 34 | 34 | 34 | 33 | 32 | 30 | 28 | 26 | 23 | 22 | 21 | 21 | 21 | 23 | 26 | 28 | 30 | 32 | 697 | 29.0 | | 7: 8 | 34 | * | * | * | * | * | * | 16:37 | 20 | * | * | * | * | * | * |
| 19 | 33 | 33 | 32 | 32 | 31 | 31 | 31 | 32 | 33 | 33 | 33 | 32 | 30 | 28 | 26 | 23 | 21 | 20 | 20 | 21 | 23 | 26 | 28 | 31 | 683 | 28.5 | | 0:35 | 33 | 9: 9 | 33 | * | * | * | * | 4:55 | 31 | 17:37 | 20 | * | * | * | * |
| 20 | 32 | 32 | 32 | 31 | 29 | 29 | 28 | 29 | 30 | 31 | 32 | 32 | 32 | 30 | 28 | 25 | 22 | 20 | 19 | 19 | 21 | 23 | 26 | 29 | 661 | 27.5 | | 0:46 | 32 | 10:48 | 32 | * | * | * | * | 5:50 | 28 | 18:23 | 19 | * | * | * | * |
| 21 | 31 | 32 | 31 | 30 | 28 | 26 | 25 | 25 | 27 | 28 | 30 | 32 | 32 | 32 | 30 | 27 | 24 | 21 | 19 | 18 | 19 | 21 | 24 | 28 | 640 | 26.7 | | 1: 0 | 32 | 11:56 | 32 | * | * | * | * | 6:27 | 25 | 19: 0 | 18 | * | * | * | * |
| 22 | 30 | 31 | 31 | 29 | 27 | 25 | 23 | 22 | 23 | 25 | 28 | 30 | 32 | 33 | 32 | 29 | 26 | 23 | 20 | 18 | 18 | 20 | 23 | 26 | 624 | 26.0 | | 1:14 | 31 | 12:49 | 33 | * | * | * | * | 7: 2 | 22 | 19:32 | 18 | * | * | * | * |
| 23 | 29 | 31 | 31 | 29 | 27 | 24 | 21 | 19 | 19 | 21 | 24 | 28 | 31 | 33 | 33 | 31 | 29 | 25 | 22 | 20 | 19 | 20 | 22 | 26 | 614 | 25.6 | | 1:30 | 31 | 13:36 | 33 | * | * | * | * | 7:36 | 19 | 20: 3 | 19 | * | * | * | * |
| 24 | 29 | 31 | 32 | 30 | 28 | 24 | 21 | 18 | 16 | 17 | 20 | 24 | 28 | 32 | 34 | 33 | 31 | 28 | 25 | 22 | 20 | 20 | 22 | 25 | 610 | 25.4 | | 1:47 | 32 | 14:22 | 34 | * | * | * | * | 8:12 | 16 | 20:33 | 20 | * | * | * | * |
| 25 | 29 | 32 | 33 | 32 | 29 | 26 | 21 | 18 | 15 | 14 | 16 | 20 | 25 | 29 | 33 | 34 | 34 | 31 | 28 | 25 | 23 | 21 | 22 | 25 | 615 | 25.6 | F | 2: 8 | 33 | 15: 9 | 34 | * | * | * | * | 8:49 | 14 | 21: 4 | 21 | * | * | * | * |
| 26 | 29 | 32 | 34 | 34 | 32 | 28 | 24 | 19 | 15 | 13 | 13 | 15 | 20 | 25 | 30 | 34 | 35 | 34 | 31 | 28 | 26 | 24 | 24 | 26 | 625 | 26.0 | | 2:30 | 35 | 16: 0 | 35 | * | * | * | * | 9:29 | 12 | 21:35 | 24 | * | * | * | * |
| 27 | 29 | 33 | 35 | 36 | 35 | 32 | 27 | 22 | 17 | 13 | 11 | 12 | 16 | 21 | 26 | 31 | 34 | 35 | 34 | 31 | 29 | 27 | 26 | 27 | 639 | 26.6 | | 2:57 | 36 | 16:55 | 35 | * | * | * | * | 10:13 | #11 | 22: 8 | 26 | * | * | * | * |
| 28 | 29 | 33 | 36 | 38 | 38 | 35 | 31 | 26 | 21 | 16 | 12 | 11 | 12 | 16 | 21 | 27 | 31 | 33 | 34 | 33 | 32 | 30 | 29 | 28 | 652 | 27.2 | | 3:27 | 38 | 17:56 | 34 | * | * | * | * | 11: 1 | #11 | 22:41 | 28 | * | * | * | * |
| 29 | 30 | 32 | 35 | 38 | 39 | 38 | 35 | 31 | 25 | 20 | 15 | 12 | 11 | 13 | 17 | 21 | 26 | 30 | 32 | 33 | 33 | 32 | 31 | 30 | 659 | 27.5 | | 4: 2 | 39 | 19: 6 | 33 | * | * | * | * | 11:54 | #11 | 23:17 | 30 | * | * | * | * |
| 30 | 30 | 32 | 34 | 37 | 39 | 39 | 37 | 34 | 30 | 25 | 20 | 16 | 13 | 12 | 14 | 17 | 21 | 25 | 29 | 31 | 32 | 32 | 31 | 662 | 27.6 | | 4:42 | 39 | 20:31 | 33 | * | * | * | * | 12:53 | 12 | * | * | * | * | * | * | |
| 31 | 31 | 31 | 33 | 34 | 36 | 38 | 38 | 36 | 34 | 30 | 25 | 21 | 17 | 14 | 13 | 14 | 17 | 20 | 24 | 27 | 30 | 31 | 32 | 32 | 658 | 27.4 | | 5:33 | 38 | 22: 6 | 32 | * | * | * | * | 0: 4 | 31 | 14: 0 | 13 | * | * | * | * |

| N 総回数 | Sum 推算月合計 | Mean 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 |
| 744 | 21185 | 28.5 | 8日 13時 37分 | 41 | 4 | 29日 11時 54分 | 11 | 3 |

推算潮位（毎時・満干潮）

地点名：直江津

緯度：37 °11 N

経度：138 °15 E

潮位表基準面の零点：平均海面下 19.0(cm)

2018 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 | 31 | 31 | 31 | 32 | 33 | 35 | 36 | 36 | 35 | 33 | 30 | 26 | 22 | 18 | 15 | 14 | 14 | 16 | 19 | 23 | 26 | 29 | 31 | 31 | 647 | 27.0 | L | 6:43 | 36 | 23: 8 | 31 | * | * | * | * | 1:24 | 31 | 15:15 | 14 | * | * | * | * |
| 2 | 31 | 30 | 30 | 29 | 29 | 30 | 32 | 33 | 34 | 34 | 32 | 30 | 26 | 22 | 19 | 16 | 14 | 14 | 16 | 19 | 23 | 26 | 29 | 30 | 628 | 26.2 | | 8:21 | 34 | 23:43 | 31 | * | * | * | * | 3:13 | 29 | 16:31 | 14 | * | * | * | * |
| 3 | 31 | 30 | 29 | 27 | 26 | 26 | 26 | 28 | 30 | 32 | 32 | 32 | 30 | 27 | 23 | 19 | 16 | 15 | 14 | 16 | 19 | 23 | 27 | 29 | 607 | 25.3 | | 10: 7 | 32 | * | * | * | * | 4:50 | 26 | 17:36 | 14 | * | * | * | * | | |
| 4 | 30 | 30 | 28 | 26 | 24 | 22 | 21 | 22 | 24 | 27 | 30 | 31 | 31 | 30 | 27 | 23 | 20 | 17 | 15 | 15 | 17 | 20 | 24 | 28 | 582 | 24.3 | | 0:11 | 30 | 11:35 | 32 | * | * | * | * | 5:56 | 21 | 18:29 | 15 | * | * | * | * |
| 5 | 30 | 30 | 29 | 26 | 23 | 20 | 17 | 17 | 18 | 21 | 25 | 28 | 31 | 31 | 30 | 27 | 24 | 20 | 17 | 16 | 16 | 19 | 23 | 26 | 564 | 23.5 | | 0:37 | 30 | 12:45 | 31 | * | * | * | * | 6:48 | 17 | 19:13 | 15 | * | * | * | * |
| 6 | 29 | 31 | 30 | 27 | 23 | 19 | 15 | 13 | 13 | 15 | 19 | 24 | 28 | 31 | 31 | 30 | 27 | 24 | 20 | 18 | 17 | 18 | 22 | 25 | 549 | 22.9 | | 1: 3 | 31 | 13:46 | 31 | * | * | * | * | 7:35 | 13 | 19:53 | 17 | * | * | * | * |
| 7 | 29 | 31 | 31 | 29 | 25 | 20 | 16 | 12 | 10 | 10 | 13 | 18 | 24 | 28 | 31 | 31 | 30 | 27 | 24 | 21 | 19 | 19 | 21 | 25 | 544 | 22.7 | | 1:29 | 31 | 14:42 | 31 | * | * | * | * | 8:18 | 10 | 20:28 | 19 | * | * | * | * |
| 8 | 29 | 31 | 32 | 31 | 28 | 23 | 18 | 13 | 9 | 8 | 9 | 13 | 19 | 24 | 28 | 31 | 31 | 30 | 27 | 24 | 22 | 21 | 22 | 25 | 548 | 22.8 | N | 1:55 | 32 | 15:37 | 31 | * | * | * | * | 9: 0 | 8 | 21: 1 | 21 | * | * | * | * |
| 9 | 28 | 32 | 33 | 33 | 30 | 26 | 21 | 16 | 11 | 8 | 8 | 10 | 14 | 20 | 25 | 29 | 31 | 31 | 29 | 27 | 25 | 24 | 24 | 25 | 560 | 23.3 | | 2:21 | 33 | 16:30 | 31 | * | * | * | * | 9:42 | 8 | 21:30 | 23 | * | * | * | * |
| 10 | 28 | 31 | 34 | 34 | 33 | 30 | 25 | 19 | 14 | 10 | 8 | 9 | 11 | 16 | 22 | 26 | 29 | 31 | 31 | 29 | 28 | 26 | 26 | 26 | 576 | 24.0 | | 2:47 | 34 | 17:22 | 31 | * | * | * | * | 10:22 | 8 | 21:57 | 26 | * | * | * | * |
| 11 | 28 | 31 | 34 | 35 | 34 | 32 | 28 | 23 | 18 | 14 | 11 | 9 | 10 | 14 | 18 | 23 | 27 | 30 | 31 | 30 | 29 | 28 | 27 | 28 | 592 | 24.7 | | 3:13 | 35 | 18:15 | 31 | * | * | * | * | 11: 3 | 9 | 22:21 | 27 | * | * | * | * |
| 12 | 29 | 31 | 33 | 35 | 35 | 34 | 31 | 27 | 22 | 18 | 14 | 12 | 11 | 13 | 16 | 20 | 24 | 27 | 29 | 30 | 30 | 29 | 29 | 28 | 607 | 25.3 | | 3:39 | 35 | 19:13 | 30 | * | * | * | * | 11:44 | 11 | 22:45 | 28 | * | * | * | * |
| 13 | 29 | 30 | 32 | 34 | 35 | 34 | 32 | 29 | 25 | 21 | 17 | 15 | 13 | 13 | 15 | 18 | 21 | 24 | 27 | 29 | 30 | 29 | 29 | 29 | 610 | 25.4 | | 4: 8 | 35 | 20:20 | 30 | * | * | * | * | 12:28 | 13 | 23:15 | 29 | * | * | * | * |
| 14 | 29 | 30 | 31 | 32 | 33 | 33 | 32 | 30 | 27 | 24 | 21 | 17 | 15 | 14 | 15 | 16 | 19 | 22 | 24 | 27 | 28 | 29 | 29 | 29 | 606 | 25.3 | | 4:39 | 33 | * | * | * | * | 13:16 | 14 | * | * | * | * | * | * | | |
| 15 | 28 | 29 | 29 | 30 | 31 | 31 | 31 | 30 | 28 | 26 | 23 | 20 | 18 | 16 | 15 | 15 | 17 | 19 | 21 | 24 | 26 | 27 | 28 | 28 | 590 | 24.6 | U | 5:17 | 31 | 22:39 | 28 | * | * | * | * | 14:10 | 15 | * | * | * | * | * | * |
| 16 | 28 | 27 | 27 | 27 | 28 | 28 | 29 | 28 | 28 | 26 | 24 | 22 | 20 | 18 | 16 | 15 | 16 | 17 | 19 | 21 | 24 | 25 | 27 | 27 | 567 | 23.6 | | 6:14 | 29 | 23:10 | 27 | * | * | * | * | 2: 5 | 27 | 15:12 | 15 | * | * | * | * |
| 17 | 27 | 26 | 26 | 25 | 25 | 25 | 25 | 26 | 26 | 26 | 25 | 23 | 21 | 19 | 17 | 16 | 15 | 16 | 17 | 19 | 21 | 24 | 25 | 26 | 541 | 22.5 | | 8: 1 | 26 | 23:31 | 27 | * | * | * | * | 4:13 | 25 | 16:14 | 15 | * | * | * | * |
| 18 | 26 | 26 | 24 | 23 | 22 | 21 | 21 | 22 | 23 | 24 | 24 | 24 | 23 | 21 | 19 | 17 | 16 | 15 | 15 | 17 | 19 | 22 | 24 | 26 | 514 | 21.4 | | 10: 4 | 24 | 23:48 | 26 | * | * | * | * | 5:23 | 21 | 17: 9 | 15 | * | * | * | * |
| 19 | 26 | 25 | 24 | 22 | 20 | 18 | 17 | 18 | 19 | 21 | 23 | 24 | 24 | 23 | 21 | 19 | 17 | 16 | 15 | 16 | 18 | 20 | 23 | 25 | 494 | 20.6 | | 11:31 | 24 | * | * | * | * | 6: 6 | 17 | 17:54 | 15 | * | * | * | * | | |
| 20 | 26 | 25 | 24 | 21 | 18 | 16 | 14 | 14 | 15 | 17 | 20 | 22 | 24 | 24 | 23 | 21 | 19 | 17 | 16 | 16 | 17 | 20 | 23 | 25 | 477 | 19.9 | | 0: 6 | 26 | 12:36 | 24 | * | * | * | * | 6:42 | 14 | 18:34 | 16 | * | * | * | * |
| 21 | 27 | 27 | 25 | 22 | 18 | 15 | 12 | 10 | 11 | 13 | 16 | 20 | 23 | 25 | 25 | 24 | 22 | 20 | 18 | 17 | 17 | 19 | 22 | 26 | 474 | 19.8 | | 0:25 | 27 | 13:32 | 25 | * | * | * | * | 7:18 | 10 | 19:11 | 17 | * | * | * | * |
| 22 | 28 | 28 | 27 | 24 | 20 | 15 | 11 | 8 | 7 | 9 | 12 | 17 | 21 | 25 | 26 | 26 | 25 | 23 | 21 | 19 | 18 | 20 | 22 | 26 | 478 | 19.9 | | 0:47 | 28 | 14:25 | 27 | * | * | * | * | 7:55 | 7 | 19:47 | 18 | * | * | * | * |
| 23 | 29 | 30 | 30 | 27 | 23 | 18 | 13 | 8 | 6 | 5 | 8 | 12 | 18 | 23 | 26 | 28 | 28 | 26 | 24 | 22 | 20 | 21 | 23 | 26 | 494 | 20.6 | F | 1:14 | 30 | 15:18 | 28 | * | * | * | * | 8:35 | 5 | 20:23 | 20 | * | * | * | * |
| 24 | 30 | 32 | 33 | 31 | 27 | 22 | 16 | 10 | 6 | 4 | 4 | 8 | 13 | 19 | 24 | 28 | 29 | 29 | 27 | 25 | 23 | 22 | 23 | 26 | 511 | 21.3 | | 1:45 | 33 | 16:12 | 29 | * | * | * | * | 9:18 | 4 | 21: 0 | 22 | * | * | * | * |
| 25 | 30 | 33 | 35 | 34 | 32 | 27 | 21 | 14 | 9 | 5 | 3 | 4 | 8 | 14 | 20 | 25 | 29 | 30 | 29 | 28 | 26 | 24 | 24 | 26 | 530 | 22.1 | | 2:21 | 35 | 17: 6 | 30 | * | * | * | * | 10: 5 | # 3 | 21:38 | 24 | * | * | * | * |
| 26 | 29 | 32 | 35 | 36 | 35 | 32 | 27 | 20 | 14 | 8 | 4 | 3 | 5 | 9 | 15 | 21 | 26 | 29 | 30 | 29 | 28 | 26 | 25 | 26 | 544 | 22.7 | | 3: 1 | 36 | 18: 2 | 30 | * | * | * | * | 10:54 | # 3 | 22:19 | 25 | * | * | * | * |
| 27 | 27 | 30 | 34 | 36 | 37 | 35 | 31 | 26 | 20 | 13 | 8 | 5 | 4 | 6 | 11 | 16 | 21 | 26 | 28 | 29 | 28 | 27 | 26 | 26 | 550 | 22.9 | | 3:45 | # 37 | 19: 2 | 29 | * | * | * | * | 11:47 | 4 | 23: 7 | 26 | * | * | * | * |
| 28 | 26 | 28 | 31 | 34 | 36 | 36 | 34 | 30 | 25 | 19 | 14 | 9 | 6 | 5 | 8 | 12 | 16 | 21 | 25 | 27 | 28 | 28 | 27 | 26 | 551 | 23.0 | | 4:36 | 36 | 20: 5 | 28 | * | * | * | * | 12:43 | 5 | * | * | * | * | * | * |
| 29 | 25 | 26 | 27 | 30 | 32 | 33 | 33 | 32 | 29 | 24 | 19 | 14 | 10 | 8 | 7 | 9 | 12 | 16 | 21 | 24 | 26 | 27 | 27 | 26 | 537 | 22.4 | | 5:35 | 34 | 21: 7 | 27 | * | * | * | * | 0:10 | 25 | 13:42 | 7 | * | * | * | * |
| 30 | 25 | 24 | 24 | 25 | 27 | 28 | 30 | 30 | 29 | 27 | 23 | 19 | 15 | 11 | 9 | 9 | 10 | 13 | 17 | 20 | 23 | 25 | 26 | 25 | 514 | 21.4 | L | 6:48 | 30 | 22: 0 | 26 | * | * | * | * | 1:31 | 24 | 14:45 | 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 |
| 720 | 16586 | 23.0 | 27日 3時 45分 | 37 | 1 | 26日 10時 54分 | 3 | 2 |

推算潮位（毎時・満干潮）

地点名：直江津

緯度：37 °11 N

経度：138 °15 E

潮位表基準面の零点：平均海面下 19.0(cm)

2018 年 12 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 | 24 | 23 | 21 | 21 | 21 | 22 | 24 | 26 | 27 | 26 | 25 | 22 | 19 | 16 | 13 | 11 | 10 | 11 | 14 | 17 | 21 | 23 | 25 | 25 | 487 | 20.3 | | 8:22 | 27 | 22:40 | 25 | * | * | * | * | 3: 8 | 21 | 15:50 | 10 | * | * | * | * |
| 2 | 24 | 22 | 20 | 18 | 17 | 17 | 18 | 19 | 21 | 23 | 24 | 23 | 22 | 19 | 16 | 14 | 12 | 12 | 13 | 15 | 18 | 21 | 24 | 25 | 457 | 19.0 | | 10: 8 | 24 | 23:14 | 25 | * | * | * | * | 4:40 | 17 | 16:51 | 11 | * | * | * | * |
| 3 | 25 | 23 | 20 | 17 | 14 | 12 | 12 | 13 | 15 | 18 | 20 | 22 | 22 | 21 | 19 | 17 | 15 | 13 | 13 | 14 | 17 | 20 | 23 | 25 | 430 | 17.9 | | 11:42 | 22 | 23:45 | 25 | * | * | * | * | 5:50 | 12 | 17:45 | 13 | * | * | * | * |
| 4 | 25 | 24 | 21 | 18 | 14 | 11 | 8 | 8 | 9 | 12 | 16 | 19 | 21 | 22 | 21 | 20 | 18 | 16 | 15 | 15 | 16 | 19 | 22 | 25 | 415 | 17.3 | | 13: 1 | 22 | * | * | * | * | 6:45 | 8 | 18:31 | 14 | * | * | * | * | | |
| 5 | 26 | 26 | 23 | 20 | 15 | 11 | 7 | 5 | 5 | 7 | 11 | 15 | 19 | 21 | 22 | 22 | 21 | 19 | 17 | 16 | 17 | 19 | 22 | 25 | 411 | 17.1 | | 0:14 | 26 | 14: 8 | 22 | * | * | * | * | 7:31 | 5 | 19:10 | 16 | * | * | * | * |
| 6 | 27 | 27 | 26 | 22 | 18 | 13 | 8 | 4 | 3 | 3 | 6 | 11 | 16 | 20 | 22 | 23 | 23 | 21 | 20 | 18 | 18 | 19 | 21 | 25 | 414 | 17.3 | | 0:42 | 27 | 15: 5 | 23 | * | * | * | * | 8:13 | 3 | 19:46 | 18 | * | * | * | * |
| 7 | 27 | 28 | 28 | 25 | 21 | 16 | 11 | 6 | 3 | 2 | 3 | 7 | 12 | 17 | 21 | 24 | 24 | 23 | 22 | 20 | 20 | 20 | 22 | 24 | 426 | 17.8 | N | 1:10 | 28 | 15:53 | 24 | * | * | * | * | 8:52 | 2 | 20:18 | 19 | * | * | * | * |
| 8 | 27 | 29 | 30 | 28 | 25 | 20 | 14 | 9 | 5 | 2 | 2 | 5 | 9 | 15 | 20 | 23 | 25 | 25 | 24 | 22 | 21 | 21 | 22 | 24 | 447 | 18.6 | | 1:40 | 30 | 16:36 | 25 | * | * | * | * | 9:30 | 2 | 20:48 | 21 | * | * | * | * |
| 9 | 27 | 30 | 31 | 30 | 28 | 24 | 18 | 13 | 8 | 4 | 3 | 4 | 7 | 12 | 17 | 22 | 24 | 26 | 25 | 24 | 23 | 22 | 22 | 24 | 468 | 19.5 | | 2:11 | 31 | 17:16 | 26 | * | * | * | * | 10: 7 | 3 | 21:17 | 22 | * | * | * | * |
| 10 | 26 | 29 | 31 | 31 | 30 | 27 | 22 | 17 | 12 | 7 | 5 | 4 | 6 | 10 | 15 | 19 | 23 | 25 | 26 | 25 | 24 | 23 | 23 | 23 | 483 | 20.1 | | 2:43 | 31 | 17:56 | 26 | * | * | * | * | 10:44 | 4 | 21:49 | 23 | * | * | * | * |
| 11 | 25 | 28 | 30 | 31 | 31 | 29 | 25 | 20 | 15 | 11 | 7 | 5 | 6 | 8 | 12 | 17 | 21 | 24 | 25 | 25 | 25 | 24 | 23 | 23 | 490 | 20.4 | | 3:17 | 31 | 18:37 | 25 | * | * | * | * | 11:21 | 5 | 22:24 | 23 | * | * | * | * |
| 12 | 24 | 26 | 28 | 30 | 30 | 29 | 27 | 23 | 19 | 14 | 10 | 7 | 7 | 8 | 10 | 14 | 18 | 21 | 23 | 24 | 24 | 24 | 23 | 22 | 485 | 20.2 | | 3:51 | 30 | 19:21 | 25 | * | * | * | * | 11:59 | 7 | 23: 8 | 22 | * | * | * | * |
| 13 | 23 | 24 | 26 | 27 | 29 | 28 | 27 | 24 | 21 | 17 | 13 | 10 | 8 | 8 | 9 | 12 | 15 | 18 | 21 | 23 | 23 | 23 | 22 | 22 | 473 | 19.7 | | 4:27 | 29 | 20: 7 | 23 | * | * | * | * | 12:36 | 8 | * | * | * | * | * | * |
| 14 | 21 | 22 | 23 | 24 | 25 | 26 | 26 | 24 | 21 | 18 | 15 | 12 | 9 | 8 | 9 | 10 | 13 | 16 | 19 | 21 | 22 | 22 | 21 | 21 | 449 | 18.7 | | 5: 7 | 26 | 20:51 | 22 | * | * | * | * | 0: 5 | 21 | 13:14 | 8 | * | * | * | * |
| 15 | 20 | 20 | 20 | 21 | 22 | 22 | 23 | 22 | 21 | 19 | 16 | 13 | 11 | 9 | 9 | 10 | 11 | 14 | 16 | 19 | 20 | 21 | 21 | 21 | 421 | 17.5 | U | 5:56 | 23 | 21:29 | 21 | * | * | * | * | 1:21 | 20 | 13:54 | 9 | * | * | * | * |
| 16 | 19 | 18 | 18 | 17 | 18 | 18 | 19 | 19 | 19 | 18 | 17 | 15 | 12 | 11 | 10 | 10 | 11 | 12 | 15 | 17 | 19 | 20 | 21 | 20 | 393 | 16.4 | | 7:10 | 19 | 21:58 | 21 | * | * | * | * | 2:57 | 17 | 14:37 | 10 | * | * | * | * |
| 17 | 19 | 18 | 16 | 15 | 14 | 14 | 15 | 15 | 16 | 17 | 16 | 15 | 14 | 13 | 11 | 11 | 11 | 12 | 13 | 16 | 18 | 20 | 21 | 21 | 371 | 15.5 | | 9: 8 | 17 | 22:25 | 21 | * | * | * | * | 4:28 | 14 | 15:27 | 11 | * | * | * | * |
| 18 | 19 | 17 | 15 | 13 | 11 | 10 | 10 | 11 | 13 | 14 | 15 | 16 | 16 | 15 | 13 | 12 | 12 | 12 | 13 | 15 | 17 | 19 | 21 | 22 | 351 | 14.6 | | 11: 3 | 16 | 22:51 | 22 | * | * | * | * | 5:29 | 10 | 16:24 | 12 | * | * | * | * |
| 19 | 21 | 19 | 16 | 13 | 10 | 7 | 6 | 7 | 8 | 11 | 13 | 16 | 17 | 17 | 16 | 15 | 14 | 13 | 14 | 15 | 17 | 20 | 22 | 23 | 350 | 14.6 | | 12:31 | 17 | 23:20 | 23 | * | * | * | * | 6:15 | 6 | 17:21 | 13 | * | * | * | * |
| 20 | 23 | 21 | 18 | 14 | 10 | 6 | 4 | 3 | 4 | 7 | 10 | 14 | 17 | 18 | 19 | 18 | 17 | 16 | 15 | 15 | 17 | 20 | 22 | 25 | 353 | 14.7 | | 13:42 | 19 | 23:54 | 25 | * | * | * | * | 6:57 | 3 | 18:13 | 15 | * | * | * | * |
| 21 | 25 | 24 | 21 | 17 | 12 | 7 | 3 | 1 | 0 | 2 | 6 | 11 | 15 | 19 | 20 | 21 | 20 | 19 | 17 | 17 | 17 | 20 | 23 | 26 | 363 | 15.1 | | 14:41 | 21 | * | * | * | * | 7:40 | 0 | 19: 1 | 17 | * | * | * | * | | |
| 22 | 28 | 28 | 26 | 22 | 16 | 10 | 5 | 0 | -2 | -2 | 1 | 6 | 12 | 17 | 21 | 22 | 23 | 21 | 20 | 19 | 18 | 19 | 22 | 26 | 378 | 15.8 | | 0:32 | 28 | 15:31 | 23 | * | * | * | * | 8:25 | -2 | 19:47 | 18 | * | * | * | * |
| 23 | 29 | 31 | 30 | 27 | 22 | 16 | 9 | 3 | -2 | -4 | -3 | 1 | 7 | 13 | 19 | 22 | 24 | 24 | 22 | 21 | 19 | 19 | 21 | 24 | 394 | 16.4 | F | 1:15 | 31 | 16:18 | 24 | * | * | * | * | 9:11 | # -4 | 20:32 | 19 | * | * | * | * |
| 24 | 28 | 31 | 33 | 32 | 28 | 22 | 15 | 8 | 2 | -3 | -4 | -2 | 2 | 9 | 15 | 20 | 23 | 25 | 24 | 22 | 21 | 20 | 20 | 22 | 413 | 17.2 | | 2: 2 | 33 | 17: 3 | 25 | * | * | * | * | 9:59 | # -4 | 21:18 | 20 | * | * | * | * |
| 25 | 26 | 30 | 33 | 34 | 32 | 28 | 22 | 15 | 7 | 1 | -3 | -4 | -1 | 4 | 10 | 16 | 21 | 24 | 24 | 23 | 22 | 20 | 19 | 20 | 423 | 17.6 | | 2:53 | # 34 | 17:49 | 24 | * | * | * | * | 10:49 | # -4 | 22: 8 | 19 | * | * | * | * |
| 26 | 22 | 26 | 30 | 33 | 33 | 32 | 27 | 21 | 14 | 7 | 2 | -2 | -2 | 0 | 5 | 11 | 17 | 21 | 23 | 23 | 22 | 20 | 19 | 18 | 422 | 17.6 | | 3:46 | 33 | 18:34 | 24 | * | * | * | * | 11:38 | -3 | 23: 5 | 18 | * | * | * | * |
| 27 | 19 | 21 | 25 | 29 | 31 | 31 | 30 | 25 | 20 | 13 | 7 | 2 | 0 | 0 | 3 | 7 | 13 | 17 | 21 | 22 | 22 | 21 | 19 | 17 | 415 | 17.3 | | 4:42 | 32 | 19:21 | 23 | * | * | * | * | 12:28 | -1 | * | * | * | * | * | * |
| 28 | 17 | 17 | 19 | 23 | 26 | 28 | 28 | 26 | 23 | 18 | 13 | 8 | 4 | 2 | 2 | 5 | 9 | 14 | 18 | 20 | 21 | 21 | 19 | 17 | 398 | 16.6 | | 5:43 | 28 | 20: 7 | 21 | * | * | * | * | 0: 9 | 17 | 13:18 | 2 | * | * | * | * |
| 29 | 15 | 14 | 15 | 16 | 19 | 21 | 23 | 23 | 22 | 20 | 16 | 12 | 8 | 5 | 4 | 5 | 7 | 11 | 15 | 18 | 20 | 21 | 20 | 18 | 368 | 15.3 | L | 6:51 | 24 | 20:52 | 21 | * | * | * | * | 1:23 | 14 | 14: 8 | 4 | * | * | * | * |
| 30 | 16 | 13 | 12 | 11 | 12 | 14 | 16 | 18 | 19 | 19 | 17 | 15 | 12 | 9 | 7 | 7 | 7 | 10 | 13 | 16 | 19 | 20 | 20 | 19 | 341 | 14.2 | | 8:18 | 19 | 21:35 | 20 | * | * | * | * | 2:50 | 11 | 14:59 | 7 | * | * | * | * |
| 31 | 17 | 14 | 11 | 9 | 8 | 8 | 9 | 11 | 13 | 15 | 15 | 15 | 14 | 12 | 11 | 9 | 9 | 10 | 12 | 14 | 17 | 19 | 20 | 20 | 312 | 13.0 | | 10: 8 | 15 | 22:14 | 20 | * | * | * | * | 4:22 | 8 | 15:50 | 9 | * | * | * | * |

| N 総回数 | Sum 推算月合計 | Mean 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 |
| 744 | 12801 | 17.2 | 25日 2時 53分 | 34 | 1 | 25日 10時 49分 | -4 | 3 |