

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)

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 | 時刻 | 潮位 | |
| 1 | 15 | 12 | 9 | 7 | 5 | 5 | 5 | 7 | 9 | 11 | 12 | 13 | 13 | 12 | 11 | 11 | 10 | 11 | 13 | 15 | 17 | 19 | 20 | 19 | 281 | 11.7 | 11:5 | 13 | 22:5 | 20 | * | * | * | * | 4:50 | 5 | 15:38 | 10 | * | * | * | * | |
| 2 | 17 | 14 | 10 | 7 | 4 | 1 | 1 | 1 | 3 | 6 | 8 | 10 | 12 | 13 | 13 | 13 | 13 | 14 | 16 | 18 | 19 | 21 | 21 | 268 | 11.2 | 22:29 | 21 | * | * | * | * | * | 6:1 | 1 | * | * | * | * | * | * | | | |
| 3 | 19 | 16 | 13 | 9 | 5 | 1 | -1 | -2 | -1 | 2 | 5 | 8 | 11 | 13 | 14 | 15 | 15 | 16 | 17 | 18 | 20 | 21 | 22 | 271 | 11.3 | 22:59 | 22 | * | * | * | * | * | 6:55 | -2 | * | * | * | * | * | * | | | |
| 4 | 21 | 19 | 16 | 12 | 8 | 3 | 0 | -3 | -3 | -1 | 2 | 6 | 9 | 13 | 15 | 16 | 17 | 17 | 17 | 18 | 19 | 20 | 22 | 24 | 287 | 12.0 | 23:35 | 24 | * | * | * | * | * | 7:39 | -3 | * | * | * | * | * | * | | |
| 5 | 24 | 22 | 20 | 16 | 11 | 6 | 2 | -1 | -3 | -2 | 0 | 4 | 8 | 12 | 15 | 17 | 18 | 18 | 18 | 18 | 19 | 21 | 23 | 24 | 310 | 12.9 | * | * | * | * | * | * | * | 8:17 | -3 | * | * | * | * | * | * | | |
| 6 | 25 | 25 | 23 | 20 | 16 | 11 | 6 | 1 | -2 | -3 | -1 | 2 | 7 | 11 | 15 | 18 | 19 | 19 | 19 | 19 | 19 | 20 | 22 | 24 | 335 | 14.0 | 0:16 | 25 | * | * | * | * | * | 8:53 | -3 | * | * | * | * | * | * | | |
| 7 | 26 | 27 | 26 | 24 | 20 | 15 | 10 | 5 | 1 | -2 | -2 | 1 | 5 | 10 | 14 | 17 | 19 | 20 | 20 | 19 | 19 | 20 | 21 | 23 | 358 | 14.9 | F | 1:0 | 27 | 17:0 | 20 | * | * | * | * | 9:29 | -2 | 19:47 | 19 | * | * | * | * |
| 8 | 26 | 28 | 28 | 27 | 24 | 20 | 14 | 8 | 4 | 0 | -1 | 0 | 3 | 7 | 12 | 16 | 19 | 20 | 20 | 19 | 19 | 19 | 21 | 372 | 15.5 | 1:46 | 28 | 17:21 | 20 | * | * | * | * | 10:5 | -1 | 20:32 | 18 | * | * | * | * | | |
| 9 | 24 | 27 | 28 | 28 | 27 | 23 | 18 | 12 | 7 | 2 | 0 | -1 | 1 | 5 | 9 | 14 | 17 | 19 | 19 | 19 | 18 | 17 | 18 | 19 | 370 | 15.4 | 2:30 | 29 | 17:46 | 19 | * | * | * | * | 10:40 | -1 | 21:16 | 17 | * | * | * | * | |
| 10 | 21 | 24 | 27 | 28 | 27 | 25 | 21 | 15 | 10 | 5 | 1 | -1 | 0 | 3 | 7 | 11 | 15 | 17 | 18 | 18 | 17 | 16 | 16 | 357 | 14.9 | 3:11 | 28 | 18:13 | 18 | * | * | * | * | 11:14 | -1 | 22:2 | 16 | * | * | * | * | | |
| 11 | 18 | 21 | 23 | 25 | 26 | 25 | 22 | 17 | 12 | 7 | 3 | 0 | 0 | 1 | 5 | 8 | 12 | 15 | 17 | 17 | 16 | 15 | 14 | 14 | 333 | 13.9 | 3:51 | 26 | 18:38 | 17 | * | * | * | * | 11:45 | 0 | 22:52 | 14 | * | * | * | * | |
| 12 | 15 | 16 | 19 | 21 | 23 | 23 | 21 | 18 | 13 | 9 | 5 | 2 | 0 | 1 | 3 | 6 | 10 | 13 | 15 | 16 | 15 | 14 | 13 | 12 | 303 | 12.6 | 4:30 | 23 | 19:0 | 16 | * | * | * | * | 12:13 | 0 | 23:48 | 12 | * | * | * | * | |
| 13 | 12 | 12 | 14 | 16 | 18 | 19 | 19 | 17 | 14 | 10 | 6 | 3 | 1 | 1 | 2 | 5 | 9 | 12 | 14 | 15 | 15 | 14 | 12 | 10 | 270 | 11.3 | 5:13 | 19 | 19:20 | 15 | * | * | * | * | 12:38 | 1 | * | * | * | * | * | * | |
| 14 | 9 | 9 | 10 | 11 | 13 | 15 | 15 | 15 | 13 | 10 | 8 | 5 | 3 | 2 | 3 | 5 | 8 | 11 | 13 | 15 | 15 | 14 | 12 | 10 | 244 | 10.2 | 6:6 | 15 | 19:40 | 15 | * | * | * | * | 0:51 | 9 | 13:1 | 2 | * | * | * | * | |
| 15 | 8 | 7 | 6 | 6 | 8 | 9 | 11 | 11 | 11 | 10 | 9 | 7 | 5 | 5 | 5 | 6 | 8 | 11 | 13 | 15 | 16 | 15 | 13 | 11 | 226 | 9.4 | L | 7:26 | 12 | 20:1 | 16 | * | * | * | * | 2:3 | 6 | 13:20 | 5 | * | * | * | * |
| 16 | 8 | 6 | 4 | 3 | 3 | 4 | 6 | 7 | 9 | 9 | 10 | 9 | 8 | 8 | 8 | 8 | 10 | 12 | 14 | 16 | 17 | 17 | 16 | 13 | 225 | 9.4 | 9:34 | 10 | 20:29 | 17 | * | * | * | * | 3:23 | 3 | 13:33 | 8 | * | * | * | * | |
| 17 | 10 | 6 | 3 | 1 | 0 | 0 | 1 | 2 | 5 | 7 | 9 | 10 | 11 | 11 | 11 | 11 | 12 | 13 | 15 | 17 | 19 | 19 | 17 | 229 | 9.5 | 21:7 | 19 | * | * | * | * | * | 4:39 | -1 | * | * | * | * | * | * | | | |
| 18 | 13 | 10 | 5 | 2 | -1 | -3 | -4 | -2 | 0 | 3 | 7 | 10 | 12 | 13 | 14 | 14 | 15 | 15 | 16 | 18 | 20 | 21 | 22 | 21 | 241 | 10.0 | 21:56 | 22 | * | * | * | * | * | 5:46 | -4 | * | * | * | * | * | * | | |
| 19 | 18 | 15 | 10 | 5 | 0 | -3 | -6 | -6 | -5 | -1 | 3 | 8 | 12 | 14 | 16 | 17 | 17 | 17 | 18 | 18 | 20 | 22 | 24 | 25 | 258 | 10.8 | 22:55 | 25 | * | * | * | * | * | 6:46 | -6 | * | * | * | * | * | * | | |
| 20 | 24 | 21 | 16 | 11 | 5 | 0 | -5 | -8 | -8 | -6 | -2 | 3 | 9 | 13 | 17 | 19 | 19 | 19 | 18 | 18 | 19 | 22 | 24 | 27 | 275 | 11.5 | 23:59 | 28 | * | * | * | * | * | 7:42 | -9 | * | * | * | * | * | * | | |
| 21 | 28 | 26 | 23 | 18 | 12 | 5 | -1 | -6 | -9 | -10 | -7 | -2 | 4 | 10 | 15 | 18 | 20 | 19 | 19 | 18 | 18 | 19 | 22 | 26 | 285 | 11.9 | 16:18 | 20 | * | * | * | * | * | 8:36 | -10 | 19:27 | 18 | * | * | * | * | | |
| 22 | 29 | 30 | 29 | 26 | 20 | 13 | 5 | -2 | -7 | -10 | -10 | -7 | -1 | 6 | 12 | 16 | 19 | 19 | 18 | 17 | 16 | 16 | 18 | 22 | 294 | 12.3 | N | 1:5 | 30 | 16:42 | 19 | * | * | * | * | 9:26 | #-11 | 20:26 | 16 | * | * | * | * |
| 23 | 26 | 29 | 31 | 30 | 26 | 20 | 13 | 5 | -2 | -8 | -10 | -9 | -5 | 1 | 7 | 13 | 17 | 18 | 18 | 16 | 15 | 14 | 14 | 16 | 295 | 12.3 | 2:11 | #31 | 17:10 | 18 | * | * | * | * | 10:14 | -10 | 21:22 | 13 | * | * | * | * | |
| 24 | 20 | 25 | 29 | 30 | 29 | 26 | 19 | 12 | 4 | -3 | -7 | -9 | -7 | -3 | 3 | 9 | 14 | 17 | 17 | 16 | 14 | 12 | 10 | 11 | 288 | 12.0 | 3:12 | 30 | 17:39 | 17 | * | * | * | * | 11:0 | -9 | 22:19 | 10 | * | * | * | * | |
| 25 | 13 | 18 | 22 | 26 | 28 | 27 | 23 | 17 | 10 | 3 | -3 | -6 | -7 | -4 | 0 | 6 | 11 | 15 | 16 | 16 | 14 | 11 | 8 | 7 | 271 | 11.3 | 4:10 | 28 | 18:9 | 16 | * | * | * | * | 11:42 | -7 | 23:18 | 7 | * | * | * | * | |
| 26 | 7 | 10 | 14 | 19 | 22 | 23 | 22 | 19 | 14 | 8 | 3 | -2 | -4 | -4 | -1 | 4 | 9 | 13 | 15 | 16 | 14 | 11 | 8 | 6 | 246 | 10.3 | 5:7 | 23 | 18:39 | 16 | * | * | * | * | 12:20 | -4 | * | * | * | * | * | * | |
| 27 | 4 | 4 | 7 | 10 | 14 | 17 | 18 | 17 | 14 | 11 | 6 | 3 | 0 | -1 | 1 | 4 | 8 | 11 | 14 | 15 | 15 | 13 | 10 | 6 | 221 | 9.2 | 6:7 | 18 | 19:9 | 15 | * | * | * | * | 0:21 | 4 | 12:53 | -1 | * | * | * | * | |
| 28 | 3 | 1 | 1 | 3 | 6 | 9 | 11 | 12 | 12 | 10 | 8 | 6 | 4 | 3 | 3 | 5 | 8 | 11 | 14 | 15 | 15 | 14 | 11 | 8 | 193 | 8.0 | 7:19 | 12 | 19:37 | 15 | * | * | * | * | 1:32 | 1 | 13:16 | 3 | * | * | * | * | |
| 29 | 5 | 2 | 0 | -1 | 0 | 2 | 4 | 6 | 7 | 8 | 8 | 7 | 6 | 6 | 6 | 7 | 9 | 11 | 13 | 15 | 16 | 15 | 13 | 11 | 176 | 7.3 | U | 9:12 | 8 | 20:4 | 16 | * | * | * | * | 2:52 | -1 | 13:12 | 6 | * | * | * | * |
| 30 | 7 | 4 | 1 | -2 | -3 | -3 | -1 | 0 | 3 | 4 | 6 | 7 | 8 | 8 | 9 | 10 | 11 | 12 | 14 | 15 | 16 | 16 | 15 | 13 | 170 | 7.1 | 20:32 | 16 | * | * | * | * | * | 4:20 | -3 | * | * | * | * | * | * | | |
| 31 | 10 | 7 | 3 | 0 | -3 | -4 | -4 | -3 | -1 | 1 | 3 | 6 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 16 | 17 | 17 | 15 | 174 | 7.3 | 21:9 | 17 | * | * | * | * | * | 5:41 | -4 | * | * | * | * | * | * | | | |

| 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 | 8426 | 11.3 | 23日2時11分 | 31 | 1 | 22日9時26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)

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 | 10 | 7 | 3 | 0 | -3 | -5 | -5 | -4 | -2 | 1 | 4 | 7 | 10 | 11 | 13 | 13 | 14 | 15 | 16 | 17 | 18 | 18 | 18 | 189 | 7.9 | | 22:1 | 18 | * | * | * | * | * | * | 6:42 | -5 | * | * | * | * | * | * | | |
| 2 | 16 | 14 | 11 | 7 | 3 | -1 | -4 | -5 | -5 | -4 | -1 | 3 | 6 | 10 | 12 | 13 | 14 | 15 | 15 | 15 | 16 | 18 | 19 | 19 | 206 | 8.6 | | 23:3 | 19 | * | * | * | * | * | * | 7:28 | -6 | * | * | * | * | * | * | | |
| 3 | 19 | 17 | 15 | 11 | 7 | 2 | -1 | -4 | -6 | -5 | -2 | 1 | 5 | 9 | 12 | 14 | 14 | 15 | 15 | 15 | 15 | 17 | 18 | 20 | 223 | 9.3 | | * | * | * | * | * | * | * | 8:8 | -6 | * | * | * | * | * | * | | | |
| 4 | 20 | 20 | 18 | 15 | 11 | 6 | 1 | -2 | -5 | -6 | -4 | -1 | 4 | 8 | 11 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 17 | 19 | 231 | 9.6 | | 0:6 | 20 | 16:22 | 15 | * | * | * | * | * | 8:44 | -6 | 19:12 | 14 | * | * | * | * | |
| 5 | 21 | 22 | 21 | 19 | 15 | 10 | 5 | 0 | -4 | -6 | -5 | -3 | 1 | 6 | 10 | 13 | 14 | 14 | 13 | 13 | 12 | 13 | 14 | 17 | 235 | 9.8 | | 1:4 | 22 | 16:26 | 14 | * | * | * | * | * | 9:18 | -6 | 20:1 | 12 | * | * | * | * | |
| 6 | 20 | 22 | 22 | 21 | 18 | 13 | 8 | 3 | -2 | -5 | -6 | -4 | -1 | 4 | 8 | 11 | 13 | 14 | 13 | 12 | 11 | 10 | 11 | 14 | 230 | 9.6 | F | 1:53 | 22 | 16:40 | 14 | * | * | * | * | * | 9:50 | -6 | 20:44 | 10 | * | * | * | * | |
| 7 | 17 | 20 | 22 | 22 | 20 | 16 | 11 | 5 | 0 | -4 | -6 | -6 | -3 | 1 | 6 | 10 | 12 | 13 | 12 | 11 | 9 | 8 | 8 | 10 | 214 | 8.9 | | 2:36 | 22 | 16:57 | 13 | * | * | * | * | * | 10:19 | -6 | 21:26 | 8 | * | * | * | * | |
| 8 | 13 | 16 | 19 | 21 | 20 | 17 | 13 | 8 | 2 | -2 | -5 | -6 | -4 | -1 | 4 | 8 | 11 | 12 | 12 | 10 | 8 | 7 | 6 | 6 | 195 | 8.1 | | 3:15 | 21 | 17:13 | 12 | * | * | * | * | * | 10:46 | -6 | 22:8 | 6 | * | * | * | * | |
| 9 | 9 | 12 | 15 | 18 | 18 | 17 | 14 | 9 | 4 | 0 | -4 | -5 | -5 | -2 | 2 | 6 | 10 | 11 | 11 | 10 | 8 | 6 | 4 | 3 | 171 | 7.1 | | 3:54 | 18 | 17:29 | 12 | * | * | * | * | * | 11:10 | -5 | 22:52 | 3 | * | * | * | * | |
| 10 | 4 | 7 | 10 | 13 | 15 | 15 | 14 | 10 | 6 | 2 | -2 | -4 | -4 | -2 | 2 | 5 | 9 | 11 | 11 | 10 | 8 | 5 | 3 | 1 | 149 | 6.2 | | 4:35 | 16 | 17:44 | 11 | * | * | * | * | * | 11:33 | -4 | 23:39 | 1 | * | * | * | * | |
| 11 | 1 | 3 | 5 | 8 | 11 | 12 | 12 | 10 | 7 | 4 | 1 | -1 | -2 | -1 | 2 | 5 | 9 | 11 | 12 | 11 | 9 | 6 | 3 | 1 | 139 | 5.8 | | 5:22 | 13 | 18:0 | 12 | * | * | * | * | * | 11:52 | -2 | * | * | * | * | * | * | |
| 12 | -1 | -1 | 1 | 3 | 6 | 8 | 9 | 9 | 8 | 6 | 3 | 2 | 1 | 1 | 3 | 6 | 9 | 12 | 13 | 13 | 11 | 8 | 4 | 1 | 135 | 5.6 | | 6:21 | 10 | 18:17 | 13 | * | * | * | * | * | 0:30 | -1 | 12:8 | 1 | * | * | * | * | |
| 13 | -1 | -3 | -3 | -1 | 1 | 3 | 6 | 7 | 7 | 7 | 6 | 5 | 4 | 4 | 6 | 8 | 10 | 13 | 14 | 14 | 13 | 11 | 7 | 3 | 141 | 5.9 | | 7:49 | 7 | 18:39 | 14 | * | * | * | * | * | 1:29 | -3 | 12:12 | 4 | * | * | * | * | |
| 14 | 0 | -3 | -4 | -4 | -3 | -1 | 1 | 3 | 5 | 6 | 7 | 7 | 7 | 7 | 8 | 10 | 12 | 14 | 15 | 16 | 16 | 14 | 11 | 7 | 151 | 6.3 | L | 19:11 | 16 | * | * | * | * | * | * | 2:40 | -4 | * | * | * | * | * | * | | |
| 15 | 3 | 0 | -3 | -5 | -6 | -5 | -4 | -1 | 1 | 4 | 6 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 16 | 17 | 18 | 17 | 15 | 12 | 162 | 6.8 | | 20:0 | 18 | * | * | * | * | * | * | 4:3 | -6 | * | * | * | * | * | * | | |
| 16 | 8 | 4 | 0 | -4 | -6 | -8 | -8 | -6 | -3 | 0 | 4 | 7 | 10 | 12 | 13 | 14 | 14 | 15 | 16 | 17 | 18 | 19 | 19 | 17 | 172 | 7.2 | | 21:13 | 19 | * | * | * | * | * | * | 5:27 | -8 | * | * | * | * | * | * | | |
| 17 | 14 | 10 | 5 | 0 | -4 | -7 | -9 | -10 | -8 | -4 | 0 | 4 | 8 | 12 | 13 | 14 | 15 | 15 | 15 | 16 | 17 | 19 | 20 | 21 | 176 | 7.3 | | 22:38 | 21 | * | * | * | * | * | * | 6:38 | -10 | * | * | * | * | * | * | | |
| 18 | 19 | 16 | 12 | 7 | 1 | -4 | -9 | -11 | -12 | -9 | -5 | 0 | 5 | 10 | 13 | 14 | 14 | 14 | 13 | 13 | 14 | 16 | 19 | 21 | 171 | 7.1 | | 15:35 | 14 | * | * | * | * | * | * | 7:37 | -12 | 18:34 | 13 | * | * | * | * | | |
| 19 | 22 | 22 | 19 | 14 | 8 | 1 | -5 | -10 | -13 | -13 | -10 | -4 | 1 | 7 | 11 | 13 | 14 | 13 | 12 | 11 | 10 | 12 | 15 | 19 | 169 | 7.0 | | 0:3 | 22 | 15:40 | 14 | * | * | * | * | * | 8:28 | #-13 | 19:39 | 10 | * | * | * | * | |
| 20 | 22 | 24 | 23 | 20 | 15 | 8 | 1 | -6 | -11 | -13 | -12 | -9 | -3 | 3 | 9 | 12 | 13 | 12 | 10 | 8 | 7 | 7 | 9 | 13 | 162 | 6.8 | N | 1:18 | #24 | 15:57 | 13 | * | * | * | * | * | 9:14 | #-13 | 20:33 | 6 | * | * | * | * | |
| 21 | 17 | 21 | 23 | 23 | 20 | 14 | 7 | 0 | -7 | -11 | -13 | -11 | -6 | 0 | 6 | 10 | 12 | 12 | 10 | 7 | 4 | 2 | 3 | 5 | 148 | 6.2 | | 2:23 | #24 | 16:19 | 13 | * | * | * | * | * | 9:56 | #-13 | 21:26 | 2 | * | * | * | * | |
| 22 | 10 | 15 | 20 | 22 | 21 | 18 | 12 | 6 | -1 | -7 | -10 | -11 | -8 | -3 | 3 | 8 | 12 | 12 | 10 | 7 | 4 | 0 | -2 | -1 | 137 | 5.7 | | 3:20 | 22 | 16:43 | 12 | * | * | * | * | * | 10:35 | -11 | 22:18 | -2 | * | * | * | * | |
| 23 | 2 | 7 | 13 | 17 | 19 | 18 | 15 | 10 | 4 | -2 | -6 | -8 | -7 | -3 | 2 | 7 | 11 | 12 | 12 | 9 | 5 | 1 | -3 | -5 | 130 | 5.4 | | 4:16 | 19 | 17:8 | 12 | * | * | * | * | * | 11:9 | -8 | 23:12 | -5 | * | * | * | * | |
| 24 | -4 | -1 | 4 | 9 | 13 | 15 | 14 | 11 | 7 | 3 | -1 | -4 | -4 | -2 | 2 | 6 | 10 | 12 | 13 | 10 | 7 | 3 | -2 | -5 | 116 | 4.8 | | 5:13 | 15 | 17:33 | 13 | * | * | * | * | * | 11:39 | -4 | * | * | * | * | * | * | |
| 25 | -7 | -6 | -3 | 2 | 6 | 9 | 10 | 10 | 8 | 5 | 3 | 1 | 0 | 1 | 3 | 7 | 10 | 12 | 13 | 12 | 9 | 5 | 1 | -3 | 108 | 4.5 | | 6:16 | 10 | 17:55 | 13 | * | * | * | * | * | 0:8 | -7 | 12:0 | 0 | * | * | * | * | |
| 26 | -6 | -7 | -7 | -4 | -1 | 3 | 5 | 7 | 7 | 6 | 5 | 4 | 3 | 4 | 5 | 8 | 10 | 13 | 14 | 13 | 11 | 8 | 4 | 0 | 105 | 4.4 | | 7:40 | 7 | 18:14 | 14 | * | * | * | * | * | 1:8 | -7 | 12:1 | 3 | * | * | * | * | |
| 27 | -3 | -6 | -7 | -7 | -5 | -3 | 0 | 2 | 4 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 11 | 13 | 14 | 14 | 13 | 11 | 8 | 4 | 108 | 4.5 | U | 18:31 | 14 | * | * | * | * | * | * | 2:15 | -7 | * | * | * | * | * | * | | |
| 28 | 1 | -3 | -5 | -6 | -7 | -6 | -4 | -2 | 1 | 3 | 4 | 6 | 7 | 8 | 10 | 11 | 12 | 13 | 14 | 14 | 14 | 13 | 11 | 8 | 117 | 4.9 | | 18:52 | 14 | * | * | * | * | * | * | 3:35 | -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 | 4590 | 6.8 | 21日2時23分 | 24 | 2 | 21日9時56分 | -13 | 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)

2023 年 3 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 | 5 | 1 | -2 | -4 | -6 | -6 | -6 | -4 | -2 | 0 | 3 | 5 | 7 | 9 | 11 | 12 | 13 | 13 | 14 | 14 | 14 | 14 | 13 | 11 | 129 | 5.4 | 19:32 | 14 | * | * | * | * | * | * | 5:1 | -6 | * | * | * | * | * | * | | | |
| 2 | 8 | 5 | 2 | -1 | -3 | -5 | -6 | -6 | -4 | -2 | 1 | 4 | 7 | 9 | 11 | 12 | 12 | 13 | 13 | 14 | 14 | 14 | 14 | 13 | 139 | 5.8 | 21:3 | 14 | * | * | * | * | * | * | 6:13 | -6 | * | * | * | * | * | * | | | |
| 3 | 12 | 9 | 6 | 3 | 0 | -3 | -6 | -7 | -6 | -4 | -1 | 3 | 6 | 9 | 10 | 11 | 12 | 12 | 12 | 12 | 13 | 14 | 14 | 14 | 145 | 6.0 | 22:49 | 14 | * | * | * | * | * | * | 7:6 | -7 | * | * | * | * | * | * | | | |
| 4 | 14 | 12 | 10 | 7 | 3 | -1 | -4 | -6 | -7 | -6 | -3 | 1 | 4 | 8 | 10 | 11 | 11 | 11 | 10 | 10 | 10 | 12 | 13 | 14 | 144 | 6.0 | 15:38 | 11 | * | * | * | * | * | * | 7:47 | -7 | 18:52 | 10 | * | * | * | * | * | | |
| 5 | 15 | 15 | 13 | 10 | 6 | 2 | -2 | -6 | -8 | -7 | -5 | -2 | 2 | 6 | 9 | 10 | 10 | 9 | 8 | 8 | 8 | 9 | 11 | 13 | 134 | 5.6 | 0:11 | 15 | 15:28 | 10 | * | * | * | * | * | 8:22 | -8 | 19:32 | 7 | * | * | * | * | * | |
| 6 | 15 | 16 | 15 | 13 | 9 | 4 | 0 | -5 | -7 | -8 | -7 | -4 | 0 | 4 | 7 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 7 | 10 | 117 | 4.9 | 1:8 | 16 | 15:34 | 9 | * | * | * | * | * | 8:53 | -8 | 20:9 | 5 | * | * | * | * | * | |
| 7 | 13 | 15 | 16 | 14 | 11 | 7 | 2 | -3 | -7 | -8 | -8 | -6 | -2 | 2 | 6 | 8 | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 6 | 100 | 4.2 | F | 1:54 | 16 | 15:43 | 9 | * | * | * | * | * | 9:20 | -9 | 20:46 | 2 | * | * | * | * | * |
| 8 | 9 | 13 | 15 | 15 | 13 | 9 | 4 | 0 | -5 | -8 | -8 | -7 | -3 | 1 | 5 | 8 | 8 | 8 | 5 | 3 | 1 | -1 | -1 | 1 | 85 | 3.5 | 2:35 | 15 | 15:55 | 9 | * | * | * | * | * | 9:45 | -8 | 21:23 | -1 | * | * | * | * | * | |
| 9 | 5 | 9 | 12 | 14 | 13 | 11 | 6 | 2 | -2 | -6 | -7 | -7 | -4 | 0 | 4 | 7 | 9 | 8 | 6 | 3 | 0 | -3 | -4 | -3 | 73 | 3.0 | 3:16 | 14 | 16:7 | 9 | * | * | * | * | * | 10:8 | -7 | 22:2 | -4 | * | * | * | * | * | |
| 10 | 0 | 4 | 8 | 11 | 12 | 11 | 8 | 4 | 0 | -3 | -5 | -5 | -3 | 0 | 4 | 8 | 9 | 9 | 7 | 4 | 0 | -3 | -5 | -6 | 69 | 2.9 | 3:59 | 12 | 16:20 | 10 | * | * | * | * | * | 10:31 | -6 | 22:41 | -6 | * | * | * | * | * | |
| 11 | -4 | -1 | 4 | 8 | 10 | 11 | 9 | 6 | 3 | 0 | -2 | -3 | -2 | 1 | 5 | 8 | 11 | 11 | 9 | 6 | 2 | -2 | -6 | -7 | 77 | 3.2 | 4:46 | 11 | 16:35 | 11 | * | * | * | * | * | 10:52 | -3 | 23:24 | -8 | * | * | * | * | * | |
| 12 | -7 | -5 | -1 | 3 | 7 | 9 | 9 | 8 | 6 | 3 | 1 | 0 | 1 | 3 | 6 | 10 | 12 | 13 | 11 | 8 | 4 | 0 | -4 | -7 | 90 | 3.8 | 5:42 | 9 | 16:51 | 13 | * | * | * | * | * | 11:10 | 0 | * | * | * | * | * | * | | |
| 13 | -8 | -8 | -5 | -2 | 2 | 5 | 7 | 8 | 7 | 6 | 5 | 4 | 4 | 5 | 8 | 11 | 13 | 14 | 14 | 11 | 8 | 3 | -1 | -5 | 106 | 4.4 | 6:54 | 8 | 17:11 | 14 | * | * | * | * | * | 0:11 | -8 | 11:21 | 4 | * | * | * | * | * | |
| 14 | -8 | -9 | -8 | -6 | -2 | 1 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 10 | 12 | 14 | 16 | 16 | 14 | 12 | 8 | 3 | -1 | 125 | 5.2 | 17:37 | 16 | * | * | * | * | * | 1:6 | -9 | * | * | * | * | * | * | | | | |
| 15 | -5 | -7 | -8 | -8 | -6 | -4 | -1 | 2 | 5 | 7 | 8 | 9 | 9 | 10 | 11 | 13 | 14 | 16 | 17 | 16 | 15 | 12 | 8 | 4 | 137 | 5.7 | L | 18:15 | #17 | * | * | * | * | * | 2:15 | -9 | * | * | * | * | * | * | | | |
| 16 | 0 | -4 | -7 | -8 | -9 | -7 | -5 | -2 | 1 | 4 | 7 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 17 | 15 | 13 | 9 | 141 | 5.9 | 19:17 | #17 | * | * | * | * | * | 3:41 | -9 | * | * | * | * | * | * | | | | |
| 17 | 6 | 1 | -3 | -6 | -8 | -9 | -9 | -7 | -4 | 0 | 4 | 7 | 10 | 11 | 12 | 13 | 13 | 13 | 14 | 15 | 16 | 16 | 16 | 14 | 135 | 5.6 | 20:58 | 16 | * | * | * | * | * | 5:11 | -9 | * | * | * | * | * | * | | | | |
| 18 | 11 | 7 | 3 | -2 | -6 | -9 | -11 | -10 | -8 | -5 | 0 | 4 | 8 | 10 | 12 | 12 | 11 | 11 | 11 | 11 | 13 | 15 | 16 | 16 | 120 | 5.0 | 14:42 | 12 | 22:50 | #17 | * | * | * | * | * | 6:25 | -11 | 17:46 | 11 | * | * | * | * | * | |
| 19 | 16 | 13 | 9 | 4 | -1 | -6 | -10 | -12 | -11 | -9 | -4 | 1 | 5 | 9 | 11 | 11 | 10 | 8 | 7 | 7 | 8 | 10 | 13 | 16 | 105 | 4.4 | 14:32 | 11 | * | * | * | * | * | 7:21 | -12 | 18:53 | 7 | * | * | * | * | * | | | |
| 20 | 17 | 17 | 14 | 10 | 4 | -1 | -7 | -11 | -12 | -11 | -8 | -3 | 2 | 7 | 10 | 10 | 9 | 7 | 4 | 2 | 2 | 4 | 7 | 11 | 84 | 3.5 | 0:21 | #17 | 14:42 | 10 | * | * | * | * | * | 8:8 | #-13 | 19:45 | 2 | * | * | * | * | * | |
| 21 | 15 | 17 | 17 | 14 | 10 | 4 | -2 | -7 | -11 | -12 | -10 | -5 | 0 | 5 | 9 | 10 | 9 | 6 | 3 | 0 | -3 | -3 | 0 | 4 | 70 | 2.9 | 1:31 | #17 | 15:0 | 10 | * | * | * | * | * | 8:49 | -12 | 20:34 | -3 | * | * | * | * | * | |
| 22 | 9 | 14 | 16 | 16 | 13 | 9 | 3 | -2 | -7 | -10 | -10 | -7 | -2 | 4 | 8 | 10 | 10 | 7 | 3 | -1 | -5 | -7 | -7 | -4 | 60 | 2.5 | N | 2:31 | #17 | 15:21 | 10 | * | * | * | * | * | 9:26 | -10 | 21:22 | -7 | * | * | * | * | * |
| 23 | 2 | 7 | 12 | 15 | 15 | 12 | 8 | 3 | -2 | -6 | -7 | -6 | -2 | 3 | 7 | 11 | 11 | 9 | 5 | 0 | -5 | -9 | -10 | -9 | 64 | 2.7 | 3:28 | 15 | 15:43 | 11 | * | * | * | * | * | 9:59 | -7 | 22:10 | -10 | * | * | * | * | * | |
| 24 | -6 | 0 | 6 | 10 | 13 | 12 | 10 | 6 | 2 | -1 | -3 | -3 | -1 | 3 | 8 | 11 | 12 | 11 | 8 | 3 | -2 | -7 | -11 | -12 | 69 | 2.9 | 4:25 | 13 | 16:5 | 12 | * | * | * | * | * | 10:28 | -4 | 22:58 | -12 | * | * | * | * | * | |
| 25 | -11 | -7 | -1 | 4 | 8 | 10 | 10 | 8 | 6 | 3 | 1 | 0 | 2 | 5 | 8 | 12 | 13 | 13 | 11 | 7 | 2 | -4 | -8 | -11 | 81 | 3.4 | 5:28 | 10 | 16:25 | 14 | * | * | * | * | * | 10:51 | 0 | 23:47 | -12 | * | * | * | * | * | |
| 26 | -12 | -10 | -6 | -2 | 3 | 6 | 8 | 8 | 8 | 6 | 5 | 4 | 5 | 7 | 9 | 12 | 14 | 15 | 13 | 10 | 6 | 1 | -4 | -8 | 98 | 4.1 | 6:40 | 9 | 16:42 | 15 | * | * | * | * | * | 11:1 | 4 | * | * | * | * | * | * | | |
| 27 | -10 | -11 | -9 | -5 | -1 | 2 | 5 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 11 | 13 | 15 | 15 | 15 | 12 | 9 | 5 | 1 | -3 | 116 | 4.8 | 16:57 | 15 | * | * | * | * | * | 0:38 | -11 | * | * | * | * | * | * | | | | |
| 28 | -7 | -8 | -8 | -7 | -4 | -1 | 2 | 4 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 15 | 16 | 15 | 14 | 12 | 9 | 5 | 1 | 135 | 5.6 | 17:13 | 16 | * | * | * | * | * | 1:34 | -9 | * | * | * | * | * | * | | | | |
| 29 | -2 | -5 | -6 | -6 | -5 | -3 | -1 | 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | 14 | 15 | 15 | 15 | 15 | 13 | 11 | 8 | 5 | 147 | 6.1 | U | 17:30 | 15 | * | * | * | * | * | 2:41 | -6 | * | * | * | * | * | * | | | |
| 30 | 2 | -1 | -3 | -4 | -5 | -4 | -3 | -1 | 2 | 4 | 7 | 9 | 10 | 11 | 12 | 13 | 14 | 14 | 14 | 14 | 13 | 12 | 11 | 9 | 150 | 6.3 | 17:57 | 14 | * | * | * | * | * | 4:3 | -5 | * | * | * | * | * | * | | | | |
| 31 | 6 | 3 | 1 | -2 | -3 | -4 | -4 | -3 | -1 | 2 | 5 | 7 | 9 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 146 | 6.1 | 18:10 | 12 | * | * | * | * | * | 5:24 | -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 | 3391 | 4.6 | 22日 2時 31分 | 17 | 6 | 20日 8時 8分 | -13 | 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)

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 | 9 | 7 | 4 | 1 | -2 | -4 | -5 | -5 | -3 | -1 | 2 | 5 | 8 | 10 | 11 | 11 | 10 | 10 | 9 | 10 | 10 | 11 | 11 | 11 | 130 | 5.4 | | 14:37 | 11 | 22:40 | 11 | * | * | * | * | 6:23 | -5 | 18:25 | 9 | * | * | * | * | | |
| 2 | 11 | 9 | 7 | 4 | 0 | -3 | -5 | -6 | -5 | -3 | 0 | 3 | 6 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 11 | 110 | 4.6 | | 14:19 | 10 | * | * | * | * | 7:7 | -6 | 18:56 | 6 | * | * | * | * | | | | |
| 3 | 11 | 11 | 9 | 6 | 3 | -1 | -4 | -6 | -6 | -5 | -2 | 1 | 5 | 7 | 9 | 8 | 7 | 6 | 4 | 3 | 3 | 4 | 6 | 9 | 88 | 3.7 | | 0:4 | 11 | 14:19 | 9 | * | * | * | * | 7:41 | -6 | 19:28 | 3 | * | * | * | * | | |
| 4 | 11 | 11 | 10 | 8 | 5 | 1 | -3 | -5 | -7 | -6 | -4 | 0 | 3 | 6 | 8 | 8 | 6 | 4 | 2 | 0 | -1 | 0 | 2 | 5 | 64 | 2.7 | | 1:0 | 11 | 14:24 | 8 | * | * | * | * | 8:9 | -7 | 20:0 | -1 | * | * | * | * | | |
| 5 | 8 | 11 | 11 | 10 | 7 | 3 | 0 | -4 | -6 | -6 | -4 | -1 | 3 | 6 | 8 | 8 | 6 | 4 | 1 | -2 | -4 | -4 | -2 | 1 | 54 | 2.3 | | 1:48 | 11 | 14:32 | 8 | * | * | * | * | 8:35 | -6 | 20:34 | -4 | * | * | * | * | | |
| 6 | 5 | 9 | 11 | 11 | 9 | 6 | 2 | -1 | -4 | -5 | -4 | -1 | 3 | 6 | 9 | 9 | 8 | 5 | 1 | -3 | -6 | -7 | -6 | -3 | 54 | 2.3 | F | 2:34 | 11 | 14:43 | 9 | * | * | * | * | 8:59 | -5 | 21:9 | -7 | * | * | * | * | | |
| 7 | 1 | 6 | 9 | 11 | 11 | 9 | 6 | 2 | -1 | -2 | -2 | 0 | 4 | 7 | 10 | 11 | 10 | 7 | 3 | -2 | -6 | -9 | -9 | -7 | 69 | 2.9 | | 3:20 | 11 | 14:57 | 11 | * | * | * | * | 9:24 | -3 | 21:46 | -9 | * | * | * | * | | |
| 8 | -3 | 2 | 6 | 10 | 11 | 11 | 9 | 6 | 3 | 1 | 0 | 2 | 5 | 9 | 12 | 13 | 13 | 10 | 6 | 1 | -4 | -8 | -10 | -10 | 95 | 4.0 | | 4:11 | 11 | 15:14 | 13 | * | * | * | * | 9:48 | 0 | 22:26 | -11 | * | * | * | * | | |
| 9 | -7 | -3 | 2 | 7 | 10 | 11 | 11 | 9 | 7 | 5 | 4 | 4 | 7 | 10 | 13 | 15 | 15 | 13 | 10 | 4 | -1 | -6 | -9 | -11 | 120 | 5.0 | | 5:8 | 11 | 15:34 | 16 | * | * | * | * | 10:11 | 4 | 23:9 | -11 | * | * | * | * | | |
| 10 | -10 | -7 | -2 | 3 | 8 | 10 | 12 | 11 | 10 | 9 | 8 | 8 | 9 | 12 | 15 | 17 | 18 | 17 | 14 | 9 | 4 | -2 | -6 | -9 | 158 | 6.6 | | 6:15 | 12 | 15:58 | 18 | * | * | * | * | 10:31 | 7 | 23:58 | -10 | * | * | * | * | | |
| 11 | -10 | -9 | -6 | -1 | 3 | 7 | 10 | 11 | 12 | 11 | 11 | 11 | 11 | 13 | 15 | 18 | 19 | 19 | 17 | 14 | 9 | 4 | -1 | -6 | 182 | 7.6 | | 7:41 | 12 | 16:27 | 20 | * | * | * | * | 10:39 | 11 | * | * | * | * | * | * | | |
| 12 | -8 | -9 | -8 | -5 | -1 | 3 | 7 | 9 | 11 | 12 | 12 | 13 | 13 | 14 | 16 | 18 | 19 | 20 | 19 | 17 | 14 | 9 | 4 | 0 | 199 | 8.3 | | 17:3 | 20 | * | * | * | * | 0:56 | -9 | * | * | * | * | * | * | | | | |
| 13 | -4 | -7 | -8 | -7 | -5 | -2 | 2 | 6 | 9 | 11 | 12 | 13 | 14 | 14 | 15 | 17 | 18 | 19 | 19 | 19 | 17 | 14 | 10 | 5 | 201 | 8.4 | L | 17:53 | 19 | * | * | * | * | 2:4 | -8 | * | * | * | * | * | * | | | | |
| 14 | 1 | -3 | -6 | -7 | -7 | -5 | -2 | 1 | 5 | 8 | 11 | 12 | 13 | 14 | 14 | 15 | 15 | 16 | 17 | 17 | 17 | 16 | 14 | 11 | 187 | 7.8 | | 19:16 | 17 | * | * | * | * | 3:26 | -7 | * | * | * | * | * | * | | | | |
| 15 | 7 | 3 | -1 | -5 | -7 | -7 | -6 | -3 | 0 | 4 | 8 | 11 | 12 | 13 | 13 | 12 | 12 | 12 | 13 | 14 | 15 | 15 | 14 | 14 | 164 | 6.8 | | 13:19 | 13 | 21:19 | 16 | * | * | * | * | 4:49 | -7 | 16:36 | 12 | * | * | * | * | | |
| 16 | 11 | 8 | 4 | -1 | -4 | -7 | -7 | -6 | -3 | 0 | 5 | 8 | 11 | 12 | 11 | 10 | 9 | 8 | 7 | 8 | 10 | 12 | 14 | 15 | 135 | 5.6 | | 13:12 | 12 | 23:12 | 15 | * | * | * | * | 5:57 | -7 | 17:59 | 7 | * | * | * | * | | |
| 17 | 14 | 12 | 8 | 4 | 0 | -4 | -7 | -7 | -6 | -2 | 2 | 6 | 9 | 11 | 11 | 9 | 7 | 4 | 3 | 2 | 3 | 6 | 9 | 12 | 106 | 4.4 | | 13:22 | 11 | * | * | * | * | 6:50 | -7 | 18:53 | 2 | * | * | * | * | | | | |
| 18 | 14 | 14 | 12 | 9 | 4 | 0 | -4 | -6 | -6 | -4 | 0 | 4 | 8 | 11 | 11 | 9 | 6 | 3 | -1 | -3 | -3 | -1 | 2 | 7 | 86 | 3.6 | | 0:34 | 14 | 13:38 | 11 | * | * | * | * | 7:34 | -6 | 19:41 | -3 | * | * | * | * | | |
| 19 | 11 | 13 | 14 | 12 | 9 | 5 | 1 | -3 | -4 | -4 | -1 | 4 | 8 | 11 | 12 | 11 | 8 | 3 | -1 | -5 | -8 | -7 | -5 | 0 | 84 | 3.5 | | 1:40 | 14 | 13:57 | 12 | * | * | * | * | 8:11 | -4 | 20:27 | -8 | * | * | * | * | | |
| 20 | 5 | 10 | 13 | 13 | 12 | 9 | 5 | 2 | -1 | -2 | 0 | 4 | 8 | 12 | 14 | 13 | 10 | 6 | 0 | -5 | -9 | -11 | -10 | -6 | 92 | 3.8 | N | 2:42 | 13 | 14:18 | 14 | * | * | * | * | 8:45 | -2 | 21:12 | -11 | * | * | * | * | | |
| 21 | -1 | 5 | 10 | 12 | 13 | 12 | 9 | 6 | 3 | 2 | 3 | 5 | 9 | 13 | 15 | 15 | 13 | 9 | 4 | -2 | -7 | -11 | -12 | -11 | 114 | 4.8 | | 3:43 | 13 | 14:39 | 16 | * | * | * | * | 9:14 | 2 | 21:56 | #-12 | * | * | * | * | | |
| 22 | -6 | 0 | 5 | 10 | 12 | 13 | 12 | 10 | 8 | 6 | 6 | 7 | 10 | 14 | 16 | 17 | 16 | 13 | 8 | 2 | -3 | -8 | -11 | -12 | 145 | 6.0 | | 4:46 | 13 | 15:1 | 17 | * | * | * | * | 9:39 | 6 | 22:39 | #-12 | * | * | * | * | | |
| 23 | -9 | -5 | 1 | 6 | 10 | 12 | 13 | 12 | 11 | 10 | 9 | 10 | 12 | 15 | 17 | 19 | 19 | 16 | 13 | 7 | 2 | -4 | -8 | -10 | 178 | 7.4 | | 5:53 | 13 | 15:21 | 19 | * | * | * | * | 9:55 | 9 | 23:23 | -10 | * | * | * | * | | |
| 24 | -10 | -7 | -2 | 3 | 7 | 11 | 13 | 13 | 13 | 12 | 12 | 13 | 14 | 16 | 18 | 20 | 20 | 19 | 16 | 12 | 7 | 2 | -3 | -6 | 213 | 8.9 | | 7:5 | 13 | 15:42 | 20 | * | * | * | * | 9:57 | 12 | * | * | * | * | * | * | | |
| 25 | -7 | -7 | -4 | 0 | 4 | 8 | 11 | 13 | 14 | 14 | 14 | 14 | 15 | 17 | 19 | 20 | 21 | 20 | 18 | 15 | 11 | 7 | 2 | -1 | 238 | 9.9 | | 16:4 | #21 | * | * | * | * | 0:8 | -7 | * | * | * | * | * | * | | | | |
| 26 | -4 | -5 | -4 | -1 | 2 | 6 | 9 | 11 | 13 | 14 | 15 | 15 | 16 | 17 | 18 | 20 | 20 | 20 | 19 | 17 | 14 | 11 | 7 | 3 | 253 | 10.5 | | 16:28 | #21 | * | * | * | * | 0:57 | -5 | * | * | * | * | * | * | | | | |
| 27 | 0 | -2 | -2 | -1 | 1 | 3 | 6 | 9 | 11 | 13 | 14 | 15 | 16 | 17 | 17 | 18 | 19 | 19 | 19 | 18 | 16 | 13 | 10 | 7 | 256 | 10.7 | | 16:56 | 19 | * | * | * | * | 1:54 | -2 | * | * | * | * | * | * | | | | |
| 28 | 4 | 2 | 0 | 0 | 0 | 2 | 4 | 6 | 9 | 11 | 13 | 14 | 15 | 16 | 16 | 16 | 17 | 17 | 17 | 16 | 16 | 14 | 12 | 10 | 247 | 10.3 | U | 17:33 | 17 | * | * | * | * | 3:0 | 0 | * | * | * | * | * | * | | | | |
| 29 | 7 | 5 | 2 | 1 | 0 | 0 | 2 | 4 | 6 | 9 | 11 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 11 | 224 | 9.3 | | 13:17 | 14 | * | * | * | * | 4:13 | 0 | * | * | * | * | * | * | | | | |
| 30 | 9 | 7 | 5 | 2 | 1 | 0 | 0 | 2 | 4 | 7 | 9 | 11 | 13 | 13 | 13 | 12 | 11 | 10 | 10 | 10 | 11 | 12 | 12 | 12 | 196 | 8.2 | | 12:53 | 13 | 22:14 | 12 | * | * | * | * | 5:14 | 0 | 18:1 | 10 | * | * | * | * | | |

| 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 | 4442 | 6.2 | 26日 16時 28分 | 21 | 2 | 22日 22時 39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)

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 | 9 | 7 | 4 | 2 | 0 | 0 | 0 | 2 | 5 | 8 | 10 | 12 | 12 | 11 | 10 | 9 | 7 | 6 | 6 | 7 | 8 | 10 | 11 | 167 | 7.0 | | 12:51 | 12 | 23:44 | 11 | * | * | * | * | 6:1 | 0 | 18:34 | 6 | * | * | * | * | | |
| 2 | 11 | 10 | 8 | 6 | 4 | 1 | 0 | 0 | 1 | 4 | 6 | 9 | 11 | 12 | 11 | 9 | 7 | 5 | 3 | 2 | 3 | 4 | 7 | 9 | 143 | 6.0 | | 12:55 | 12 | * | * | * | * | 6:36 | 0 | 19:6 | 2 | * | * | * | * | | | | |
| 3 | 11 | 11 | 10 | 8 | 6 | 3 | 1 | 1 | 1 | 3 | 6 | 9 | 11 | 12 | 12 | 9 | 7 | 3 | 1 | -1 | -2 | 0 | 3 | 6 | 131 | 5.5 | | 0:47 | 11 | 13:2 | 12 | * | * | * | * | 7:7 | 1 | 19:38 | -2 | * | * | * | * | | |
| 4 | 10 | 12 | 12 | 11 | 9 | 6 | 4 | 3 | 2 | 4 | 7 | 10 | 12 | 14 | 13 | 11 | 8 | 4 | 0 | -3 | -5 | -4 | -1 | 3 | 142 | 5.9 | | 1:43 | 12 | 13:15 | 14 | * | * | * | * | 7:36 | 2 | 20:12 | -5 | * | * | * | * | | |
| 5 | 7 | 11 | 13 | 13 | 12 | 10 | 8 | 6 | 5 | 6 | 8 | 11 | 14 | 16 | 16 | 14 | 10 | 6 | 1 | -3 | -6 | -7 | -5 | -1 | 165 | 6.9 | | 2:38 | 13 | 13:31 | 16 | * | * | * | * | 8:5 | 5 | 20:48 | -7 | * | * | * | * | | |
| 6 | 4 | 9 | 13 | 15 | 15 | 14 | 12 | 10 | 8 | 8 | 10 | 13 | 16 | 19 | 19 | 18 | 14 | 10 | 4 | -1 | -6 | -8 | -8 | -5 | 203 | 8.5 | F | 3:35 | 15 | 13:53 | 19 | * | * | * | * | 8:34 | 8 | 21:28 | -8 | * | * | * | * | | |
| 7 | 0 | 6 | 11 | 15 | 17 | 17 | 16 | 14 | 12 | 12 | 12 | 15 | 18 | 21 | 23 | 22 | 19 | 15 | 9 | 3 | -3 | -7 | -9 | -8 | 250 | 10.4 | | 4:34 | 17 | 14:19 | 23 | * | * | * | * | 9:4 | 12 | 22:11 | #-9 | * | * | * | * | | |
| 8 | -4 | 1 | 7 | 13 | 16 | 18 | 18 | 17 | 16 | 15 | 15 | 16 | 19 | 22 | 25 | 25 | 24 | 20 | 15 | 9 | 3 | -3 | -6 | -8 | 293 | 12.2 | | 5:36 | 18 | 14:51 | 25 | * | * | * | * | 9:32 | 15 | 23:0 | -8 | * | * | * | * | | |
| 9 | -6 | -2 | 3 | 9 | 14 | 17 | 19 | 19 | 19 | 18 | 18 | 18 | 20 | 23 | 25 | 27 | 27 | 25 | 21 | 15 | 9 | 3 | -2 | -5 | 334 | 13.9 | | 6:44 | 19 | 15:27 | 27 | * | * | * | * | 9:57 | 18 | 23:53 | -6 | * | * | * | * | | |
| 10 | -6 | -5 | -1 | 4 | 10 | 14 | 17 | 19 | 20 | 19 | 19 | 19 | 20 | 22 | 24 | 27 | 28 | 27 | 25 | 21 | 15 | 10 | 4 | -1 | 351 | 14.6 | | 16:10 | 28 | * | * | * | * | * | * | * | * | * | * | * | * | * | | | |
| 11 | -4 | -5 | -3 | 0 | 5 | 9 | 14 | 17 | 19 | 19 | 20 | 20 | 20 | 21 | 22 | 24 | 26 | 27 | 26 | 24 | 20 | 15 | 10 | 5 | 351 | 14.6 | | 17:3 | 27 | * | * | * | * | 0:52 | -5 | * | * | * | * | * | * | * | | | |
| 12 | 1 | -2 | -3 | -2 | 1 | 5 | 9 | 13 | 16 | 18 | 19 | 19 | 19 | 19 | 20 | 21 | 22 | 24 | 24 | 24 | 22 | 19 | 15 | 11 | 334 | 13.9 | L | 18:12 | 24 | * | * | * | * | 1:57 | -3 | * | * | * | * | * | * | * | | | |
| 13 | 6 | 2 | 0 | -1 | -1 | 2 | 5 | 9 | 13 | 15 | 17 | 18 | 18 | 17 | 17 | 17 | 18 | 20 | 21 | 21 | 20 | 18 | 15 | 304 | 12.7 | | 11:22 | 18 | 19:49 | 21 | * | * | * | * | 3:7 | -1 | 14:50 | 17 | * | * | * | * | | | |
| 14 | 11 | 7 | 4 | 1 | 0 | 0 | 2 | 6 | 9 | 13 | 16 | 17 | 17 | 16 | 15 | 13 | 12 | 12 | 13 | 15 | 16 | 18 | 18 | 17 | 268 | 11.2 | | 11:35 | 17 | 21:44 | 18 | * | * | * | * | 4:15 | 0 | 16:37 | 12 | * | * | * | * | | |
| 15 | 15 | 11 | 8 | 5 | 2 | 1 | 1 | 4 | 7 | 11 | 14 | 16 | 17 | 16 | 14 | 11 | 9 | 7 | 7 | 8 | 10 | 12 | 15 | 16 | 237 | 9.9 | | 11:52 | 17 | 23:25 | 16 | * | * | * | * | 5:14 | 1 | 17:49 | 7 | * | * | * | * | | |
| 16 | 16 | 14 | 12 | 9 | 6 | 4 | 3 | 4 | 6 | 9 | 13 | 16 | 17 | 17 | 14 | 11 | 8 | 4 | 2 | 2 | 3 | 6 | 10 | 13 | 219 | 9.1 | | 12:11 | 17 | * | * | * | * | 6:4 | 3 | 18:44 | 2 | * | * | * | * | | | | |
| 17 | 15 | 15 | 14 | 12 | 10 | 7 | 6 | 5 | 6 | 9 | 13 | 16 | 18 | 18 | 16 | 13 | 8 | 4 | 0 | -2 | -2 | 0 | 4 | 8 | 213 | 8.9 | | 0:47 | 15 | 12:32 | 18 | * | * | * | * | 6:45 | 5 | 19:32 | -3 | * | * | * | * | | |
| 18 | 12 | 15 | 16 | 15 | 13 | 11 | 9 | 8 | 8 | 10 | 13 | 17 | 19 | 20 | 19 | 15 | 11 | 6 | 1 | -3 | -5 | -5 | -2 | 3 | 226 | 9.4 | | 2:0 | 16 | 12:53 | 20 | * | * | * | * | 7:20 | 8 | 20:16 | -5 | * | * | * | * | | |
| 19 | 8 | 13 | 16 | 17 | 16 | 15 | 13 | 12 | 11 | 12 | 15 | 18 | 21 | 22 | 22 | 19 | 15 | 9 | 4 | -2 | -5 | -7 | -5 | -1 | 258 | 10.8 | | 3:10 | 17 | 13:16 | 22 | * | * | * | * | 7:51 | 11 | 20:58 | -7 | * | * | * | * | | |
| 20 | 4 | 10 | 14 | 17 | 18 | 18 | 17 | 15 | 15 | 15 | 16 | 19 | 22 | 24 | 25 | 23 | 19 | 14 | 8 | 2 | -2 | -5 | -6 | -3 | 299 | 12.5 | N | 4:14 | 18 | 13:41 | 25 | * | * | * | * | 8:17 | 14 | 21:39 | -6 | * | * | * | * | | |
| 21 | 1 | 7 | 12 | 16 | 19 | 20 | 19 | 19 | 18 | 18 | 18 | 20 | 23 | 26 | 27 | 26 | 23 | 19 | 14 | 8 | 2 | -2 | -4 | -4 | 345 | 14.4 | | 5:12 | 20 | 14:7 | 27 | * | * | * | * | 8:39 | 18 | 22:20 | -4 | * | * | * | * | | |
| 22 | 0 | 4 | 10 | 15 | 18 | 20 | 21 | 21 | 20 | 20 | 20 | 22 | 24 | 26 | 28 | 28 | 27 | 23 | 19 | 13 | 8 | 3 | 0 | -2 | 388 | 16.2 | | 6:5 | 21 | 14:36 | 28 | * | * | * | * | 8:56 | 20 | 23:1 | -2 | * | * | * | * | | |
| 23 | 0 | 3 | 8 | 13 | 17 | 20 | 22 | 22 | 22 | 22 | 22 | 23 | 24 | 26 | 28 | 29 | 29 | 27 | 23 | 18 | 13 | 8 | 4 | 2 | 425 | 17.7 | | 15:8 | #29 | * | * | * | * | 23:44 | 1 | * | * | * | * | * | * | * | | | |
| 24 | 1 | 3 | 6 | 10 | 15 | 18 | 21 | 22 | 23 | 22 | 23 | 23 | 24 | 26 | 28 | 29 | 29 | 28 | 26 | 22 | 18 | 13 | 9 | 5 | 444 | 18.5 | | 15:42 | #29 | * | * | * | * | * | * | * | * | * | * | * | * | * | | | |
| 25 | 4 | 4 | 5 | 9 | 12 | 16 | 19 | 21 | 22 | 22 | 23 | 23 | 23 | 24 | 26 | 27 | 28 | 28 | 26 | 24 | 20 | 16 | 12 | 9 | 443 | 18.5 | | 16:19 | 28 | * | * | * | * | 0:29 | 3 | * | * | * | * | * | * | * | | | |
| 26 | 6 | 5 | 6 | 7 | 10 | 13 | 16 | 19 | 21 | 21 | 22 | 22 | 22 | 23 | 23 | 24 | 25 | 26 | 25 | 24 | 22 | 19 | 15 | 12 | 428 | 17.8 | | 17:1 | 26 | * | * | * | * | 1:16 | 5 | * | * | * | * | * | * | * | | | |
| 27 | 9 | 7 | 6 | 7 | 9 | 11 | 14 | 16 | 19 | 20 | 21 | 21 | 21 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 21 | 19 | 17 | 14 | 403 | 16.8 | | 17:56 | 22 | * | * | * | * | 2:5 | 6 | * | * | * | * | * | * | * | | | |
| 28 | 11 | 9 | 7 | 7 | 8 | 9 | 12 | 14 | 17 | 18 | 20 | 20 | 20 | 19 | 18 | 18 | 18 | 18 | 19 | 19 | 19 | 18 | 17 | 15 | 370 | 15.4 | U | 10:59 | 20 | 19:30 | 19 | * | * | * | * | 2:54 | 7 | 15:41 | 18 | * | * | * | * | | |
| 29 | 13 | 11 | 9 | 8 | 8 | 8 | 10 | 12 | 15 | 17 | 19 | 19 | 19 | 18 | 16 | 15 | 14 | 14 | 14 | 15 | 16 | 16 | 16 | 16 | 338 | 14.1 | | 11:4 | 19 | 21:39 | 16 | * | * | * | * | 3:42 | 8 | 17:5 | 14 | * | * | * | * | | |
| 30 | 14 | 13 | 11 | 9 | 8 | 9 | 10 | 12 | 14 | 16 | 18 | 19 | 19 | 17 | 15 | 13 | 11 | 10 | 10 | 10 | 12 | 13 | 15 | 16 | 314 | 13.1 | | 11:12 | 19 | 23:21 | 16 | * | * | * | * | 4:26 | 8 | 17:52 | 10 | * | * | * | * | | |
| 31 | 16 | 15 | 13 | 12 | 10 | 10 | 10 | 12 | 14 | 17 | 19 | 20 | 20 | 18 | 16 | 13 | 10 | 7 | 6 | 6 | 7 | 10 | 12 | 15 | 308 | 12.8 | | 11:23 | 20 | * | * | * | * | 5:8 | 10 | 18:30 | 6 | * | * | * | * | | | | |

| 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 | 9094 | 12.2 | 24日 15時 42分 | 29 | 2 | 7日 22時 11分 | -9 | 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)

2023 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 | 16 | 17 | 16 | 15 | 13 | 12 | 12 | 13 | 15 | 17 | 20 | 22 | 22 | 20 | 17 | 14 | 10 | 7 | 4 | 3 | 3 | 6 | 9 | 13 | 316 | 13.2 | | 0:41 | 17 | 11:39 | 22 | * | * | * | * | 5:48 | 12 | 19: 7 | 3 | * | * | * | * |
| 2 | 16 | 18 | 19 | 18 | 17 | 16 | 15 | 15 | 16 | 19 | 22 | 24 | 25 | 24 | 21 | 17 | 12 | 8 | 4 | 1 | 0 | 2 | 6 | 10 | 345 | 14.4 | | 1:53 | 19 | 12: 1 | 25 | * | * | * | * | 6:28 | 15 | 19:46 | 0 | * | * | * | * |
| 3 | 15 | 19 | 21 | 21 | 21 | 20 | 19 | 18 | 19 | 21 | 23 | 26 | 28 | 28 | 26 | 22 | 17 | 11 | 6 | 1 | -1 | -1 | 2 | 7 | 389 | 16.2 | | 2:59 | 21 | 12:30 | 28 | * | * | * | * | 7: 6 | 18 | 20:28 | -1 | * | * | * | * |
| 4 | 12 | 17 | 21 | 24 | 24 | 24 | 23 | 22 | 22 | 23 | 25 | 28 | 31 | 32 | 31 | 28 | 23 | 17 | 10 | 5 | 0 | -2 | -1 | 3 | 442 | 18.4 | F | 3:59 | 24 | 13: 5 | 32 | * | * | * | * | 7:44 | 21 | 21:14 | #-2 | * | * | * | * |
| 5 | 8 | 14 | 20 | 24 | 26 | 27 | 26 | 25 | 24 | 25 | 26 | 29 | 32 | 35 | 35 | 33 | 29 | 24 | 17 | 10 | 4 | 0 | -1 | 0 | 492 | 20.5 | | 4:54 | 27 | 13:45 | 35 | * | * | * | * | 8:20 | 24 | 22: 4 | -1 | * | * | * | * |
| 6 | 4 | 10 | 16 | 22 | 26 | 28 | 28 | 27 | 27 | 26 | 27 | 29 | 32 | 35 | 37 | 37 | 35 | 31 | 25 | 18 | 11 | 5 | 1 | 0 | 537 | 22.4 | | 5:47 | 28 | 14:32 | 37 | * | * | * | * | 8:57 | 26 | 22:56 | 0 | * | * | * | * |
| 7 | 2 | 6 | 12 | 18 | 23 | 26 | 28 | 28 | 28 | 27 | 27 | 28 | 30 | 33 | 36 | 38 | 38 | 36 | 31 | 25 | 18 | 12 | 6 | 2 | 558 | 23.3 | | 6:41 | 28 | 15:23 | 38 | * | * | * | * | 9:38 | 27 | 23:51 | 1 | * | * | * | * |
| 8 | 1 | 3 | 8 | 13 | 18 | 23 | 26 | 28 | 28 | 27 | 27 | 27 | 28 | 30 | 33 | 36 | 37 | 37 | 35 | 30 | 25 | 18 | 12 | 7 | 557 | 23.2 | | 7:36 | 28 | 16:21 | 37 | * | * | * | * | 10:33 | 27 | * | * | * | * | * | * |
| 9 | 4 | 3 | 5 | 9 | 14 | 19 | 23 | 26 | 27 | 27 | 26 | 26 | 26 | 26 | 28 | 31 | 33 | 35 | 34 | 33 | 29 | 24 | 18 | 13 | 539 | 22.5 | | 8:28 | 27 | 17:26 | 35 | * | * | * | * | 0:46 | 3 | 11:49 | 26 | * | * | * | * |
| 10 | 9 | 6 | 5 | 7 | 11 | 15 | 19 | 23 | 25 | 26 | 26 | 25 | 24 | 23 | 23 | 25 | 27 | 29 | 30 | 31 | 29 | 27 | 23 | 18 | 506 | 21.1 | | 9:10 | 26 | 18:41 | 31 | * | * | * | * | 1:42 | 5 | 13:16 | 23 | * | * | * | * |
| 11 | 14 | 10 | 8 | 8 | 9 | 13 | 16 | 20 | 23 | 25 | 25 | 24 | 23 | 21 | 20 | 19 | 20 | 22 | 24 | 25 | 26 | 26 | 24 | 21 | 466 | 19.4 | L | 9:43 | 25 | 20:12 | 26 | * | * | * | * | 2:36 | 8 | 14:51 | 19 | * | * | * | * |
| 12 | 18 | 14 | 12 | 10 | 10 | 12 | 15 | 18 | 22 | 24 | 25 | 25 | 23 | 21 | 18 | 16 | 15 | 15 | 16 | 18 | 21 | 22 | 23 | 22 | 435 | 18.1 | | 10:12 | 25 | 21:59 | 23 | * | * | * | * | 3:29 | 10 | 16:22 | 15 | * | * | * | * |
| 13 | 20 | 18 | 16 | 14 | 13 | 13 | 15 | 18 | 21 | 24 | 25 | 26 | 24 | 22 | 18 | 15 | 12 | 10 | 10 | 11 | 14 | 17 | 19 | 21 | 416 | 17.3 | | 10:38 | 26 | 23:44 | 21 | * | * | * | * | 4:17 | 13 | 17:35 | 10 | * | * | * | * |
| 14 | 21 | 20 | 19 | 17 | 16 | 16 | 16 | 18 | 21 | 24 | 26 | 27 | 26 | 24 | 20 | 16 | 12 | 8 | 6 | 6 | 8 | 11 | 15 | 18 | 411 | 17.1 | | 11: 4 | 27 | * | * | * | * | 5: 0 | 16 | 18:33 | 6 | * | * | * | * | | |
| 15 | 20 | 21 | 21 | 21 | 20 | 19 | 19 | 20 | 22 | 24 | 27 | 29 | 28 | 27 | 23 | 19 | 14 | 9 | 6 | 4 | 4 | 7 | 10 | 15 | 429 | 17.9 | | 1:28 | 21 | 11:29 | 29 | * | * | * | * | 5:37 | 19 | 19:22 | 4 | * | * | * | * |
| 16 | 18 | 21 | 23 | 23 | 23 | 22 | 22 | 22 | 23 | 26 | 28 | 30 | 31 | 30 | 27 | 23 | 18 | 13 | 8 | 4 | 3 | 4 | 7 | 12 | 461 | 19.2 | | 3: 0 | 23 | 11:56 | 31 | * | * | * | * | 6:10 | 22 | 20: 5 | 3 | * | * | * | * |
| 17 | 16 | 20 | 23 | 25 | 25 | 25 | 25 | 25 | 25 | 27 | 29 | 32 | 33 | 33 | 31 | 27 | 23 | 17 | 12 | 7 | 4 | 4 | 6 | 9 | 503 | 21.0 | | 4: 2 | 25 | 12:26 | 33 | * | * | * | * | 6:40 | 24 | 20:46 | 4 | * | * | * | * |
| 18 | 14 | 19 | 23 | 26 | 27 | 27 | 27 | 27 | 27 | 28 | 30 | 32 | 35 | 35 | 35 | 32 | 28 | 23 | 17 | 12 | 8 | 5 | 6 | 8 | 551 | 23.0 | N | 4:43 | 27 | 13: 0 | 35 | * | * | * | * | 7:10 | 27 | 21:26 | 5 | * | * | * | * |
| 19 | 13 | 18 | 22 | 26 | 28 | 29 | 29 | 29 | 29 | 29 | 31 | 33 | 35 | 37 | 37 | 36 | 33 | 28 | 22 | 17 | 12 | 9 | 7 | 8 | 597 | 24.9 | | 5:16 | 29 | 13:38 | 37 | * | * | * | * | 7:42 | 29 | 22: 6 | 7 | * | * | * | * |
| 20 | 11 | 16 | 21 | 25 | 28 | 30 | 30 | 30 | 30 | 30 | 31 | 32 | 35 | 37 | 38 | 38 | 36 | 33 | 28 | 22 | 17 | 12 | 10 | 9 | 629 | 26.2 | | 5:47 | 30 | 14:18 | 38 | * | * | * | * | 8:17 | 30 | 22:46 | 9 | * | * | * | * |
| 21 | 11 | 15 | 19 | 24 | 27 | 30 | 31 | 31 | 30 | 30 | 30 | 32 | 34 | 36 | 38 | 39 | 38 | 36 | 32 | 27 | 21 | 17 | 13 | 11 | 652 | 27.2 | | 6:21 | 31 | 15: 0 | #39 | * | * | * | * | 8:56 | 30 | 23:26 | 11 | * | * | * | * |
| 22 | 11 | 13 | 17 | 21 | 25 | 28 | 30 | 31 | 30 | 30 | 30 | 30 | 32 | 34 | 36 | 37 | 38 | 37 | 34 | 30 | 25 | 20 | 16 | 13 | 648 | 27.0 | | 6:58 | 31 | 15:43 | 38 | * | * | * | * | 9:40 | 30 | * | * | * | * | * | * |
| 23 | 12 | 13 | 15 | 19 | 23 | 26 | 29 | 30 | 30 | 29 | 29 | 29 | 30 | 31 | 33 | 35 | 36 | 36 | 34 | 31 | 27 | 23 | 19 | 16 | 635 | 26.5 | | 7:37 | 30 | 16:25 | 36 | * | * | * | * | 0: 4 | 12 | 10:37 | 29 | * | * | * | * |
| 24 | 13 | 13 | 15 | 17 | 21 | 24 | 27 | 28 | 29 | 29 | 28 | 28 | 27 | 28 | 29 | 31 | 32 | 33 | 32 | 31 | 28 | 25 | 21 | 18 | 607 | 25.3 | | 8:12 | 29 | 17:10 | 33 | * | * | * | * | 0:41 | 13 | 11:47 | 27 | * | * | * | * |
| 25 | 15 | 14 | 14 | 16 | 19 | 22 | 25 | 27 | 28 | 28 | 27 | 27 | 26 | 25 | 26 | 27 | 28 | 29 | 29 | 29 | 27 | 25 | 22 | 19 | 574 | 23.9 | | 8:39 | 28 | 18: 4 | 29 | * | * | * | * | 1:15 | 14 | 13: 7 | 25 | * | * | * | * |
| 26 | 17 | 15 | 15 | 16 | 18 | 21 | 23 | 26 | 27 | 27 | 27 | 26 | 25 | 23 | 23 | 23 | 23 | 24 | 25 | 26 | 25 | 25 | 23 | 21 | 544 | 22.7 | U | 8:58 | 27 | 19:21 | 26 | * | * | * | * | 1:45 | 15 | 14:35 | 22 | * | * | * | * |
| 27 | 19 | 17 | 17 | 17 | 18 | 20 | 23 | 25 | 27 | 28 | 27 | 26 | 24 | 22 | 21 | 19 | 19 | 19 | 20 | 22 | 23 | 23 | 23 | 22 | 521 | 21.7 | | 9:15 | 28 | 21:16 | 23 | * | * | * | * | 2:14 | 16 | 15:58 | 19 | * | * | * | * |
| 28 | 21 | 20 | 19 | 19 | 19 | 21 | 23 | 25 | 27 | 28 | 29 | 27 | 25 | 23 | 20 | 18 | 16 | 16 | 16 | 18 | 19 | 21 | 23 | 23 | 516 | 21.5 | | 9:34 | 29 | 23:14 | 23 | * | * | * | * | 2:45 | 19 | 17: 0 | 16 | * | * | * | * |
| 29 | 23 | 23 | 22 | 21 | 22 | 22 | 24 | 26 | 28 | 30 | 31 | 30 | 28 | 25 | 21 | 18 | 15 | 13 | 12 | 13 | 16 | 18 | 21 | 24 | 526 | 21.9 | | 9:57 | 31 | * | * | * | * | 3:21 | 21 | 17:51 | 12 | * | * | * | * | | |
| 30 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 28 | 30 | 32 | 33 | 33 | 31 | 28 | 24 | 20 | 16 | 12 | 10 | 10 | 12 | 15 | 19 | 23 | 552 | 23.0 | | 1: 8 | 25 | 10:27 | 33 | * | * | * | * | 4:11 | 25 | 18:38 | 10 | * | * | * | * |

| 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 | 15354 | 21.3 | 21 日 15 時 0 分 | 39 | 1 | 4 日 21 時 14 分 | -2 | 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)

2023 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 | 26 | 28 | 29 | 29 | 28 | 28 | 28 | 29 | 31 | 34 | 36 | 37 | 36 | 33 | 29 | 24 | 19 | 14 | 10 | 8 | 9 | 11 | 15 | 20 | 591 | 24.6 | | 11:4 | 37 | * | * | * | * | * | * | * | 19:26 | 8 | * | * | * | * | * | * | |
| 2 | 25 | 28 | 31 | 32 | 32 | 31 | 31 | 31 | 33 | 35 | 38 | 40 | 40 | 39 | 36 | 31 | 25 | 19 | 13 | 9 | 7 | 8 | 11 | 16 | 641 | 26.7 | | 3:32 | 32 | 11:49 | 40 | * | * | * | * | * | * | 6:7 | 31 | 20:16 | #7 | * | * | * | * |
| 3 | 22 | 27 | 31 | 33 | 34 | 34 | 33 | 33 | 34 | 35 | 38 | 41 | 43 | 44 | 42 | 38 | 32 | 25 | 19 | 13 | 9 | 7 | 8 | 12 | 687 | 28.6 | F | 4:13 | 34 | 12:39 | 44 | * | * | * | * | * | * | 6:58 | 33 | 21:8 | #7 | * | * | * | * |
| 4 | 18 | 24 | 29 | 33 | 35 | 36 | 35 | 34 | 34 | 35 | 37 | 40 | 44 | 46 | 46 | 44 | 40 | 33 | 26 | 19 | 13 | 9 | 7 | 9 | 726 | 30.3 | | 4:51 | 36 | 13:35 | 46 | * | * | * | * | * | * | 7:48 | 34 | 22:0 | #7 | * | * | * | * |
| 5 | 13 | 19 | 25 | 30 | 34 | 36 | 36 | 35 | 34 | 34 | 35 | 38 | 41 | 45 | 47 | 47 | 45 | 41 | 34 | 26 | 19 | 13 | 9 | 8 | 744 | 31.0 | | 5:28 | 36 | 14:35 | #48 | * | * | * | * | * | * | 8:41 | 34 | 22:51 | 8 | * | * | * | * |
| 6 | 10 | 15 | 21 | 27 | 31 | 34 | 35 | 35 | 34 | 33 | 33 | 34 | 37 | 41 | 45 | 47 | 47 | 45 | 40 | 34 | 26 | 19 | 14 | 10 | 747 | 31.1 | | 6:4 | 35 | 15:36 | 47 | * | * | * | * | * | * | 9:42 | 33 | 23:41 | 9 | * | * | * | * |
| 7 | 10 | 12 | 17 | 22 | 28 | 32 | 34 | 34 | 34 | 32 | 31 | 31 | 32 | 35 | 39 | 42 | 44 | 45 | 43 | 38 | 32 | 26 | 20 | 15 | 728 | 30.3 | | 6:41 | 35 | 16:38 | 45 | * | * | * | * | * | * | 10:48 | 31 | * | * | * | * | * | * |
| 8 | 12 | 12 | 15 | 19 | 24 | 29 | 32 | 34 | 33 | 32 | 30 | 29 | 28 | 29 | 31 | 35 | 38 | 40 | 41 | 39 | 35 | 30 | 25 | 20 | 692 | 28.8 | | 7:17 | 34 | 17:43 | 41 | * | * | * | * | * | * | 0:29 | 12 | 11:58 | 28 | * | * | * | * |
| 9 | 16 | 14 | 15 | 18 | 22 | 26 | 30 | 33 | 33 | 32 | 30 | 28 | 26 | 25 | 25 | 27 | 30 | 33 | 35 | 36 | 35 | 32 | 29 | 25 | 655 | 27.3 | | 7:52 | 33 | 18:54 | 36 | * | * | * | * | * | * | 1:14 | 14 | 13:14 | 25 | * | * | * | * |
| 10 | 21 | 19 | 18 | 19 | 22 | 25 | 29 | 32 | 33 | 33 | 32 | 29 | 26 | 23 | 22 | 21 | 23 | 25 | 28 | 30 | 31 | 31 | 29 | 27 | 628 | 26.2 | L | 8:26 | 33 | 20:25 | 31 | * | * | * | * | * | * | 1:56 | 18 | 14:37 | 21 | * | * | * | * |
| 11 | 25 | 23 | 21 | 21 | 23 | 25 | 28 | 31 | 33 | 34 | 33 | 31 | 28 | 24 | 21 | 19 | 18 | 19 | 20 | 23 | 25 | 27 | 28 | 28 | 608 | 25.3 | | 8:58 | 34 | 22:24 | 28 | * | * | * | * | * | * | 2:33 | 21 | 16:3 | 18 | * | * | * | * |
| 12 | 27 | 26 | 25 | 25 | 25 | 27 | 29 | 31 | 34 | 35 | 35 | 33 | 30 | 27 | 23 | 19 | 16 | 15 | 15 | 17 | 20 | 23 | 25 | 27 | 609 | 25.4 | | 9:30 | 35 | * | * | * | * | * | * | 3:3 | 25 | 17:20 | 15 | * | * | * | * | | |
| 13 | 28 | 28 | 28 | 28 | 28 | 29 | 30 | 32 | 34 | 36 | 37 | 36 | 34 | 30 | 26 | 22 | 18 | 15 | 13 | 14 | 15 | 18 | 22 | 25 | 626 | 26.1 | | 10:1 | 37 | * | * | * | * | * | * | 18:22 | 13 | * | * | * | * | * | * | | |
| 14 | 27 | 29 | 30 | 30 | 31 | 31 | 32 | 33 | 35 | 37 | 38 | 38 | 37 | 34 | 30 | 26 | 21 | 17 | 14 | 13 | 13 | 16 | 19 | 23 | 654 | 27.3 | | 10:36 | 38 | * | * | * | * | * | * | 19:14 | 13 | * | * | * | * | * | * | | |
| 15 | 27 | 29 | 31 | 32 | 33 | 33 | 33 | 34 | 36 | 37 | 39 | 40 | 40 | 38 | 35 | 31 | 26 | 21 | 17 | 14 | 13 | 14 | 17 | 21 | 691 | 28.8 | | 11:15 | 40 | * | * | * | * | * | * | 19:58 | 13 | * | * | * | * | * | * | | |
| 16 | 26 | 29 | 32 | 34 | 34 | 34 | 35 | 35 | 36 | 38 | 40 | 41 | 42 | 41 | 39 | 36 | 31 | 26 | 21 | 17 | 15 | 14 | 16 | 20 | 732 | 30.5 | | 11:59 | 42 | * | * | * | * | * | * | 20:38 | 14 | * | * | * | * | * | * | | |
| 17 | 24 | 29 | 32 | 34 | 36 | 36 | 35 | 35 | 36 | 37 | 39 | 42 | 43 | 44 | 43 | 40 | 36 | 31 | 26 | 21 | 17 | 15 | 16 | 19 | 766 | 31.9 | | 12:47 | 44 | * | * | * | * | * | * | 21:17 | 15 | * | * | * | * | * | * | | |
| 18 | 23 | 27 | 31 | 34 | 36 | 36 | 36 | 36 | 36 | 37 | 38 | 41 | 43 | 45 | 45 | 43 | 40 | 36 | 30 | 25 | 20 | 17 | 16 | 18 | 789 | 32.9 | N | 4:47 | 36 | 13:35 | 45 | * | * | * | * | * | * | 7:25 | 36 | 21:54 | 16 | * | * | * | * |
| 19 | 21 | 26 | 30 | 34 | 36 | 37 | 36 | 36 | 35 | 36 | 37 | 39 | 42 | 44 | 45 | 45 | 43 | 39 | 34 | 29 | 24 | 20 | 17 | 17 | 802 | 33.4 | | 5:6 | 37 | 14:21 | 46 | * | * | * | * | * | * | 8:14 | 35 | 22:30 | 17 | * | * | * | * |
| 20 | 20 | 24 | 28 | 32 | 35 | 36 | 36 | 36 | 35 | 34 | 35 | 36 | 39 | 42 | 44 | 45 | 44 | 42 | 37 | 32 | 27 | 22 | 19 | 18 | 798 | 33.3 | | 5:30 | 36 | 15:5 | 45 | * | * | * | * | * | * | 9:2 | 34 | 23:4 | 18 | * | * | * | * |
| 21 | 19 | 22 | 26 | 30 | 33 | 35 | 36 | 35 | 34 | 33 | 33 | 34 | 36 | 38 | 41 | 43 | 43 | 42 | 39 | 35 | 30 | 25 | 21 | 19 | 782 | 32.6 | | 5:55 | 36 | 15:46 | 43 | * | * | * | * | * | * | 9:51 | 33 | 23:34 | 19 | * | * | * | * |
| 22 | 19 | 21 | 24 | 28 | 31 | 34 | 35 | 35 | 34 | 33 | 32 | 31 | 32 | 34 | 37 | 39 | 41 | 41 | 39 | 36 | 31 | 27 | 23 | 21 | 758 | 31.6 | | 6:19 | 35 | 16:27 | 41 | * | * | * | * | * | * | 10:43 | 31 | * | * | * | * | * | * |
| 23 | 20 | 20 | 23 | 26 | 30 | 32 | 34 | 34 | 33 | 32 | 31 | 30 | 30 | 31 | 33 | 35 | 37 | 38 | 37 | 35 | 32 | 29 | 25 | 22 | 729 | 30.4 | | 6:41 | 34 | 17:11 | 38 | * | * | * | * | * | * | 0:2 | 20 | 11:39 | 29 | * | * | * | * |
| 24 | 21 | 21 | 23 | 26 | 29 | 32 | 33 | 34 | 34 | 32 | 30 | 29 | 28 | 27 | 28 | 30 | 32 | 34 | 34 | 34 | 32 | 30 | 27 | 25 | 705 | 29.4 | | 7:0 | 34 | 18:5 | 34 | * | * | * | * | * | * | 0:25 | 21 | 12:39 | 27 | * | * | * | * |
| 25 | 23 | 23 | 24 | 26 | 29 | 31 | 33 | 34 | 34 | 33 | 31 | 29 | 27 | 25 | 25 | 26 | 27 | 29 | 31 | 31 | 31 | 30 | 29 | 27 | 688 | 28.7 | | 7:18 | 35 | 19:21 | 31 | * | * | * | * | * | * | 0:46 | 23 | 13:46 | 25 | * | * | * | * |
| 26 | 26 | 25 | 26 | 27 | 29 | 32 | 34 | 35 | 36 | 35 | 32 | 30 | 27 | 25 | 23 | 23 | 23 | 25 | 26 | 28 | 29 | 30 | 30 | 29 | 685 | 28.5 | U | 7:39 | 36 | 21:19 | 30 | * | * | * | * | * | * | 1:4 | 25 | 14:59 | 23 | * | * | * | * |
| 27 | 29 | 28 | 28 | 29 | 31 | 33 | 35 | 37 | 37 | 37 | 35 | 32 | 29 | 26 | 23 | 21 | 21 | 21 | 22 | 24 | 27 | 29 | 30 | 31 | 695 | 29.0 | | 8:5 | 37 | * | * | * | * | * | * | 1:16 | 28 | 16:11 | 21 | * | * | * | * | | |
| 28 | 31 | 31 | 32 | 32 | 33 | 34 | 36 | 38 | 39 | 40 | 39 | 36 | 33 | 29 | 25 | 22 | 20 | 18 | 19 | 20 | 23 | 26 | 29 | 32 | 717 | 29.9 | | 8:42 | 40 | * | * | * | * | * | * | 17:17 | 18 | * | * | * | * | * | * | | |
| 29 | 33 | 34 | 35 | 35 | 35 | 36 | 38 | 39 | 41 | 42 | 42 | 41 | 38 | 34 | 29 | 25 | 21 | 18 | 17 | 17 | 19 | 23 | 27 | 31 | 750 | 31.3 | | 9:30 | 42 | * | * | * | * | * | * | 18:19 | 17 | * | * | * | * | * | * | | |
| 30 | 34 | 36 | 37 | 38 | 38 | 38 | 39 | 40 | 42 | 44 | 45 | 45 | 43 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 16 | 18 | 23 | 28 | 786 | 32.8 | | 10:27 | 45 | * | * | * | * | * | * | 19:16 | 15 | * | * | * | * | * | * | | |
| 31 | 32 | 36 | 38 | 39 | 39 | 39 | 39 | 40 | 41 | 44 | 46 | 48 | 48 | 46 | 42 | 37 | 31 | 25 | 19 | 15 | 14 | 15 | 18 | 23 | 814 | 33.9 | | 11:30 | #48 | * | * | * | * | * | * | 20:10 | 14 | * | * | * | * | * | * | | |

| 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 | 22023 | 29.6 | | | | 31日 11時 30分 | 48 | 2 | 4日 22時 0分 | 7 | 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)

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 | 時刻 | 潮位 |
| 1 | 29 | 34 | 37 | 40 | 40 | 40 | 39 | 39 | 40 | 42 | 45 | 48 | 50 | 51 | 49 | 45 | 39 | 32 | 25 | 19 | 15 | 13 | 14 | 19 | 844 | 35.2 | | 3:56 | 40 | 12:37 | 51 | * | * | * | * | 6:41 | 39 | 21:2 | #13 | * | * | * | * |
| 2 | 24 | 30 | 35 | 39 | 40 | 40 | 39 | 38 | 38 | 39 | 41 | 45 | 49 | 52 | 52 | 50 | 46 | 39 | 32 | 24 | 18 | 14 | 13 | 15 | 852 | 35.5 | F | 4:18 | 40 | 13:43 | #52 | * | * | * | * | 7:46 | 38 | 21:50 | #13 | * | * | * | * |
| 3 | 20 | 26 | 32 | 36 | 39 | 39 | 38 | 37 | 36 | 35 | 37 | 40 | 44 | 49 | 52 | 52 | 50 | 46 | 39 | 31 | 24 | 18 | 14 | 14 | 848 | 35.3 | | 4:43 | 39 | 14:47 | #52 | * | * | * | * | 8:47 | 35 | 22:36 | 14 | * | * | * | * |
| 4 | 17 | 22 | 28 | 33 | 37 | 39 | 38 | 36 | 34 | 33 | 32 | 34 | 37 | 42 | 47 | 50 | 51 | 49 | 44 | 37 | 30 | 24 | 19 | 16 | 829 | 34.5 | | 5:11 | 39 | 15:47 | 51 | * | * | * | * | 9:48 | 32 | 23:20 | 16 | * | * | * | * |
| 5 | 16 | 20 | 25 | 30 | 35 | 38 | 38 | 37 | 34 | 32 | 30 | 29 | 31 | 34 | 39 | 43 | 46 | 47 | 45 | 41 | 35 | 29 | 24 | 20 | 798 | 33.3 | | 5:40 | 38 | 16:47 | 47 | * | * | * | * | 10:49 | 29 | * | * | * | * | * | * |
| 6 | 19 | 20 | 24 | 29 | 33 | 37 | 38 | 38 | 35 | 32 | 29 | 27 | 26 | 27 | 31 | 35 | 39 | 42 | 42 | 41 | 38 | 34 | 29 | 25 | 770 | 32.1 | | 6:11 | 38 | 17:50 | 42 | * | * | * | * | 0:0 | 19 | 11:53 | 26 | * | * | * | * |
| 7 | 23 | 23 | 25 | 28 | 32 | 36 | 38 | 39 | 37 | 34 | 31 | 27 | 25 | 24 | 24 | 27 | 31 | 34 | 37 | 38 | 37 | 35 | 32 | 30 | 747 | 31.1 | | 6:42 | 39 | 19:5 | 38 | * | * | * | * | 0:36 | 22 | 13:2 | 24 | * | * | * | * |
| 8 | 27 | 27 | 27 | 29 | 32 | 36 | 38 | 39 | 39 | 37 | 34 | 30 | 26 | 23 | 22 | 22 | 24 | 27 | 30 | 32 | 34 | 34 | 33 | 32 | 734 | 30.6 | L | 7:13 | 39 | 20:50 | 34 | * | * | * | * | 1:7 | 27 | 14:18 | 22 | * | * | * | * |
| 9 | 31 | 30 | 31 | 32 | 34 | 36 | 38 | 40 | 40 | 39 | 37 | 33 | 29 | 26 | 23 | 21 | 21 | 22 | 24 | 26 | 29 | 31 | 32 | 33 | 738 | 30.8 | | 7:45 | 40 | * | * | * | * | 1:26 | 30 | 15:41 | 20 | * | * | * | * | | |
| 10 | 33 | 33 | 34 | 34 | 35 | 37 | 39 | 40 | 41 | 41 | 39 | 37 | 34 | 30 | 26 | 23 | 21 | 20 | 20 | 22 | 25 | 28 | 30 | 32 | 754 | 31.4 | | 8:20 | 41 | * | * | * | * | 17:2 | 20 | * | * | * | * | * | * | | |
| 11 | 34 | 35 | 36 | 36 | 37 | 38 | 39 | 41 | 42 | 42 | 42 | 40 | 38 | 34 | 30 | 26 | 23 | 21 | 19 | 20 | 22 | 25 | 28 | 31 | 779 | 32.5 | | 9:3 | 42 | * | * | * | * | 18:11 | 19 | * | * | * | * | * | * | | |
| 12 | 34 | 36 | 37 | 38 | 38 | 39 | 40 | 41 | 42 | 43 | 43 | 43 | 41 | 38 | 35 | 31 | 27 | 23 | 21 | 20 | 20 | 23 | 26 | 30 | 809 | 33.7 | | 9:57 | 43 | * | * | * | * | 19:5 | 20 | * | * | * | * | * | * | | |
| 13 | 33 | 36 | 38 | 39 | 39 | 39 | 40 | 40 | 41 | 43 | 44 | 44 | 44 | 42 | 39 | 35 | 31 | 27 | 23 | 21 | 20 | 21 | 24 | 28 | 831 | 34.6 | | 10:58 | 44 | * | * | * | * | 19:49 | 20 | * | * | * | * | * | * | | |
| 14 | 32 | 35 | 38 | 39 | 39 | 39 | 39 | 39 | 40 | 42 | 44 | 45 | 46 | 45 | 43 | 40 | 35 | 31 | 26 | 23 | 21 | 21 | 23 | 26 | 851 | 35.5 | | 12:0 | 46 | * | * | * | * | 20:28 | 20 | * | * | * | * | * | * | | |
| 15 | 30 | 34 | 37 | 39 | 39 | 39 | 38 | 38 | 39 | 40 | 42 | 45 | 46 | 47 | 46 | 43 | 39 | 34 | 29 | 25 | 22 | 21 | 22 | 25 | 859 | 35.8 | | 3:51 | 39 | 12:55 | 47 | * | * | * | * | 6:53 | 38 | 21:3 | 21 | * | * | * | * |
| 16 | 28 | 33 | 36 | 38 | 39 | 38 | 37 | 37 | 37 | 38 | 40 | 43 | 45 | 47 | 47 | 46 | 43 | 38 | 33 | 28 | 24 | 21 | 21 | 23 | 860 | 35.8 | N | 3:59 | 39 | 13:43 | 47 | * | * | * | * | 7:39 | 37 | 21:35 | 21 | * | * | * | * |
| 17 | 26 | 31 | 34 | 37 | 38 | 38 | 37 | 36 | 35 | 35 | 37 | 39 | 43 | 45 | 47 | 47 | 45 | 41 | 35 | 30 | 26 | 22 | 21 | 22 | 847 | 35.3 | | 4:14 | 38 | 14:25 | 47 | * | * | * | * | 8:23 | 35 | 22:5 | 21 | * | * | * | * |
| 18 | 25 | 29 | 33 | 36 | 37 | 38 | 36 | 35 | 34 | 33 | 33 | 36 | 39 | 42 | 45 | 46 | 45 | 42 | 38 | 33 | 28 | 24 | 22 | 21 | 830 | 34.6 | | 4:31 | 38 | 15:5 | 46 | * | * | * | * | 9:5 | 33 | 22:32 | 21 | * | * | * | * |
| 19 | 24 | 27 | 31 | 34 | 37 | 37 | 36 | 34 | 33 | 31 | 31 | 32 | 35 | 38 | 41 | 43 | 44 | 42 | 39 | 35 | 30 | 26 | 23 | 22 | 805 | 33.5 | | 4:48 | 37 | 15:45 | 44 | * | * | * | * | 9:49 | 31 | 22:56 | 22 | * | * | * | * |
| 20 | 23 | 26 | 30 | 33 | 36 | 37 | 36 | 35 | 32 | 30 | 29 | 29 | 31 | 33 | 37 | 40 | 41 | 41 | 39 | 36 | 32 | 28 | 25 | 24 | 783 | 32.6 | | 5:4 | 37 | 16:27 | 41 | * | * | * | * | 10:34 | 29 | 23:18 | 24 | * | * | * | * |
| 21 | 24 | 27 | 30 | 33 | 36 | 37 | 37 | 35 | 33 | 30 | 28 | 27 | 27 | 29 | 32 | 35 | 38 | 39 | 38 | 36 | 34 | 31 | 28 | 26 | 770 | 32.1 | | 5:20 | 37 | 17:14 | 39 | * | * | * | * | 11:20 | 27 | 23:37 | 26 | * | * | * | * |
| 22 | 26 | 28 | 30 | 33 | 36 | 38 | 38 | 37 | 34 | 31 | 29 | 27 | 26 | 26 | 28 | 31 | 33 | 35 | 36 | 36 | 35 | 33 | 31 | 29 | 766 | 31.9 | | 5:35 | 38 | 18:12 | 36 | * | * | * | * | 12:11 | 26 | 23:54 | 29 | * | * | * | * |
| 23 | 29 | 30 | 32 | 34 | 37 | 39 | 39 | 38 | 36 | 33 | 30 | 27 | 25 | 24 | 25 | 27 | 29 | 32 | 34 | 35 | 35 | 34 | 33 | 32 | 769 | 32.0 | | 5:53 | 39 | 19:38 | 35 | * | * | * | * | 13:8 | 24 | * | * | * | * | * | * |
| 24 | 32 | 32 | 34 | 36 | 38 | 40 | 41 | 41 | 39 | 36 | 33 | 29 | 27 | 24 | 23 | 24 | 25 | 27 | 30 | 32 | 34 | 34 | 35 | 35 | 781 | 32.5 | U | 6:15 | 41 | * | * | * | * | 0:2 | 32 | 14:15 | 23 | * | * | * | * | | |
| 25 | 35 | 35 | 36 | 37 | 39 | 41 | 42 | 43 | 42 | 40 | 37 | 33 | 29 | 26 | 24 | 23 | 23 | 24 | 26 | 28 | 31 | 33 | 35 | 36 | 798 | 33.3 | | 6:47 | 43 | * | * | * | * | 15:33 | 22 | * | * | * | * | * | * | | |
| 26 | 37 | 38 | 38 | 39 | 40 | 42 | 43 | 44 | 44 | 43 | 41 | 38 | 34 | 30 | 27 | 24 | 22 | 21 | 22 | 24 | 27 | 30 | 33 | 36 | 817 | 34.0 | | 7:38 | 44 | * | * | * | * | 16:55 | 21 | * | * | * | * | * | * | | |
| 27 | 38 | 39 | 40 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 45 | 43 | 40 | 36 | 31 | 27 | 23 | 21 | 19 | 20 | 22 | 26 | 30 | 34 | 835 | 34.8 | | 8:50 | 46 | * | * | * | * | 18:8 | 19 | * | * | * | * | * | * | | |
| 28 | 37 | 39 | 41 | 41 | 41 | 41 | 42 | 43 | 45 | 47 | 48 | 47 | 45 | 42 | 37 | 32 | 27 | 22 | 19 | 18 | 18 | 21 | 26 | 31 | 850 | 35.4 | | 10:13 | 48 | * | * | * | * | 19:9 | 18 | * | * | * | * | * | * | | |
| 29 | 35 | 38 | 40 | 41 | 40 | 40 | 40 | 41 | 42 | 45 | 47 | 49 | 49 | 47 | 44 | 39 | 32 | 26 | 21 | 17 | 16 | 17 | 21 | 26 | 853 | 35.5 | | 3:2 | 41 | 11:35 | 49 | * | * | * | * | 5:47 | 40 | 20:1 | 16 | * | * | * | * |
| 30 | 31 | 36 | 39 | 40 | 40 | 39 | 38 | 37 | 38 | 40 | 44 | 48 | 50 | 51 | 49 | 45 | 39 | 32 | 26 | 20 | 16 | 15 | 18 | 22 | 853 | 35.5 | | 3:8 | 40 | 12:50 | 51 | * | * | * | * | 6:57 | 37 | 20:48 | 15 | * | * | * | * |
| 31 | 28 | 33 | 37 | 39 | 39 | 37 | 36 | 34 | 33 | 35 | 38 | 42 | 47 | 50 | 51 | 49 | 45 | 39 | 32 | 25 | 19 | 16 | 16 | 19 | 839 | 35.0 | F | 3:25 | 39 | 13:55 | 51 | * | * | * | * | 7:56 | 33 | 21:31 | 16 | * | * | * | * |

| 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 | 25099 | 33.7 | | | | 3日14時47分 | 52 | 2 | 2日21時50分 | 13 | 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)

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 | 24 | 30 | 35 | 38 | 39 | 37 | 35 | 32 | 30 | 29 | 31 | 35 | 40 | 45 | 49 | 50 | 48 | 44 | 37 | 31 | 24 | 20 | 17 | 18 | 818 | 34.1 | | 3:47 | 39 | 14:55 | # 50 | * | * | * | * | 8:51 | 29 | 22:11 | 17 | * | * | * | * |
| 2 | 22 | 28 | 33 | 37 | 39 | 38 | 35 | 32 | 28 | 26 | 25 | 27 | 32 | 37 | 43 | 46 | 48 | 46 | 41 | 36 | 30 | 25 | 21 | 20 | 795 | 33.1 | | 4:11 | 39 | 15:53 | 48 | * | * | * | * | 9:46 | 25 | 22:48 | 20 | * | * | * | * |
| 3 | 22 | 27 | 32 | 36 | 39 | 39 | 37 | 34 | 29 | 25 | 23 | 22 | 24 | 29 | 34 | 40 | 43 | 44 | 42 | 39 | 35 | 30 | 26 | 24 | 775 | 32.3 | | 4:37 | 39 | 16:53 | 44 | * | * | * | * | 10:42 | 22 | 23:22 | 24 | * | * | * | * |
| 4 | 25 | 27 | 31 | 36 | 39 | 40 | 39 | 36 | 32 | 28 | 23 | 21 | 20 | 23 | 27 | 32 | 36 | 39 | 40 | 39 | 37 | 34 | 31 | 29 | 764 | 31.8 | | 5: 4 | 40 | 18: 0 | 40 | * | * | * | * | 11:40 | 20 | 23:50 | 28 | * | * | * | * |
| 5 | 28 | 30 | 32 | 36 | 39 | 41 | 41 | 39 | 36 | 31 | 27 | 23 | 20 | 20 | 22 | 25 | 29 | 33 | 35 | 37 | 37 | 36 | 34 | 33 | 764 | 31.8 | | 5:31 | 41 | 19:27 | 37 | * | * | * | * | 12:42 | 20 | * | * | * | * | * | * |
| 6 | 32 | 33 | 34 | 37 | 39 | 41 | 42 | 41 | 39 | 35 | 31 | 27 | 23 | 21 | 20 | 21 | 24 | 27 | 30 | 33 | 34 | 35 | 35 | 35 | 769 | 32.0 | | 5:57 | 42 | * | * | * | * | 0: 9 | 32 | 13:51 | 20 | * | * | * | * | | |
| 7 | 35 | 36 | 37 | 38 | 40 | 41 | 42 | 42 | 41 | 39 | 35 | 32 | 28 | 24 | 22 | 21 | 22 | 23 | 26 | 28 | 31 | 33 | 35 | 36 | 787 | 32.8 | L | 6:23 | 42 | * | * | * | * | 15:10 | 21 | * | * | * | * | * | * | | |
| 8 | 37 | 38 | 38 | 39 | 40 | 41 | 42 | 43 | 42 | 41 | 39 | 36 | 33 | 29 | 26 | 24 | 22 | 22 | 23 | 25 | 28 | 31 | 33 | 36 | 808 | 33.7 | | 6:58 | 43 | * | * | * | * | 16:36 | 22 | * | * | * | * | * | * | | |
| 9 | 37 | 38 | 39 | 40 | 41 | 41 | 42 | 42 | 43 | 42 | 41 | 39 | 37 | 34 | 30 | 27 | 25 | 23 | 22 | 23 | 25 | 28 | 31 | 34 | 824 | 34.3 | | 8: 0 | 43 | * | * | * | * | 17:51 | 22 | * | * | * | * | * | * | | |
| 10 | 37 | 38 | 39 | 40 | 40 | 40 | 41 | 41 | 42 | 42 | 42 | 42 | 40 | 38 | 35 | 31 | 28 | 25 | 23 | 22 | 23 | 26 | 29 | 32 | 836 | 34.8 | | 9:33 | 42 | * | * | * | * | 18:47 | 22 | * | * | * | * | * | * | | |
| 11 | 35 | 38 | 39 | 39 | 39 | 39 | 39 | 39 | 40 | 41 | 42 | 43 | 42 | 41 | 38 | 35 | 31 | 27 | 24 | 22 | 22 | 24 | 27 | 30 | 836 | 34.8 | | 11: 3 | 43 | * | * | * | * | 19:30 | 22 | * | * | * | * | * | * | | |
| 12 | 34 | 36 | 38 | 38 | 38 | 37 | 37 | 37 | 38 | 39 | 41 | 43 | 43 | 43 | 41 | 38 | 34 | 29 | 25 | 23 | 21 | 22 | 25 | 28 | 828 | 34.5 | | 2:52 | 38 | 12: 9 | 43 | * | * | * | * | 6:31 | 37 | 20: 6 | 21 | * | * | * | * |
| 13 | 32 | 35 | 37 | 37 | 37 | 36 | 35 | 34 | 35 | 36 | 39 | 41 | 43 | 44 | 43 | 40 | 36 | 32 | 27 | 24 | 21 | 21 | 23 | 26 | 814 | 33.9 | | 2:52 | 37 | 12:59 | 44 | * | * | * | * | 7: 8 | 34 | 20:36 | 21 | * | * | * | * |
| 14 | 30 | 33 | 36 | 36 | 36 | 34 | 33 | 32 | 31 | 32 | 35 | 38 | 41 | 43 | 43 | 42 | 38 | 34 | 29 | 25 | 22 | 21 | 22 | 24 | 790 | 32.9 | | 3: 0 | 36 | 13:42 | 43 | * | * | * | * | 7:45 | 31 | 21: 4 | 21 | * | * | * | * |
| 15 | 28 | 32 | 35 | 36 | 35 | 34 | 32 | 30 | 29 | 29 | 31 | 34 | 38 | 41 | 42 | 42 | 40 | 36 | 32 | 27 | 23 | 21 | 21 | 23 | 771 | 32.1 | N | 3:12 | 36 | 14:22 | 43 | * | * | * | * | 8:22 | 28 | 21:28 | 21 | * | * | * | * |
| 16 | 27 | 31 | 34 | 35 | 35 | 34 | 31 | 29 | 27 | 26 | 27 | 30 | 33 | 37 | 40 | 41 | 40 | 37 | 34 | 29 | 26 | 23 | 22 | 23 | 751 | 31.3 | | 3:24 | 36 | 15: 3 | 41 | * | * | * | * | 8:59 | 26 | 21:50 | 22 | * | * | * | * |
| 17 | 26 | 30 | 33 | 35 | 36 | 34 | 32 | 29 | 26 | 24 | 24 | 26 | 29 | 33 | 37 | 39 | 40 | 38 | 35 | 32 | 28 | 25 | 24 | 25 | 740 | 30.8 | | 3:37 | 36 | 15:45 | 40 | * | * | * | * | 9:38 | 24 | 22:12 | 24 | * | * | * | * |
| 18 | 27 | 30 | 34 | 36 | 37 | 35 | 33 | 30 | 26 | 23 | 22 | 22 | 25 | 29 | 33 | 36 | 37 | 37 | 36 | 34 | 31 | 28 | 27 | 27 | 738 | 30.8 | | 3:51 | 37 | 16:31 | 39 | * | * | * | * | 10:18 | 22 | 22:33 | 26 | * | * | * | * |
| 19 | 28 | 31 | 34 | 37 | 38 | 37 | 35 | 31 | 28 | 24 | 22 | 21 | 22 | 25 | 29 | 33 | 36 | 37 | 37 | 36 | 34 | 31 | 30 | 29 | 745 | 31.0 | | 4: 6 | 38 | 17:25 | 37 | * | * | * | * | 11: 0 | 21 | 22:52 | 29 | * | * | * | * |
| 20 | 30 | 33 | 36 | 38 | 40 | 39 | 37 | 34 | 30 | 26 | 23 | 21 | 20 | 22 | 25 | 28 | 32 | 35 | 36 | 36 | 35 | 34 | 33 | 32 | 755 | 31.5 | | 4:23 | 40 | 18:35 | 36 | * | * | * | * | 11:46 | 20 | 23: 5 | 32 | * | * | * | * |
| 21 | 33 | 34 | 37 | 39 | 41 | 41 | 40 | 37 | 34 | 30 | 26 | 23 | 21 | 21 | 22 | 25 | 28 | 31 | 33 | 35 | 36 | 36 | 35 | 35 | 773 | 32.2 | | 4:43 | 41 | * | * | * | * | 12:40 | 21 | * | * | * | * | * | * | | |
| 22 | 35 | 36 | 38 | 40 | 42 | 43 | 42 | 40 | 37 | 34 | 30 | 26 | 23 | 21 | 21 | 22 | 24 | 27 | 30 | 32 | 34 | 36 | 36 | 37 | 786 | 32.8 | | 5:11 | 43 | * | * | * | * | 13:47 | 21 | * | * | * | * | * | * | | |
| 23 | 37 | 38 | 39 | 41 | 42 | 43 | 44 | 43 | 41 | 38 | 34 | 30 | 27 | 24 | 22 | 21 | 21 | 23 | 25 | 28 | 31 | 34 | 36 | 37 | 799 | 33.3 | U | 5:49 | 44 | * | * | * | * | 15:10 | 21 | * | * | * | * | * | * | | |
| 24 | 38 | 39 | 40 | 40 | 41 | 42 | 43 | 44 | 43 | 41 | 39 | 35 | 32 | 28 | 24 | 22 | 20 | 20 | 21 | 23 | 27 | 30 | 33 | 36 | 801 | 33.4 | | 6:55 | 44 | * | * | * | * | 16:40 | 20 | * | * | * | * | * | * | | |
| 25 | 38 | 39 | 39 | 39 | 40 | 40 | 41 | 42 | 43 | 43 | 42 | 40 | 37 | 33 | 29 | 25 | 21 | 19 | 18 | 19 | 22 | 26 | 30 | 33 | 798 | 33.3 | | 8:37 | 43 | * | * | * | * | 17:55 | 18 | * | * | * | * | * | * | | |
| 26 | 36 | 38 | 38 | 38 | 38 | 37 | 38 | 39 | 41 | 42 | 43 | 43 | 42 | 38 | 34 | 29 | 24 | 20 | 17 | 16 | 18 | 21 | 25 | 30 | 785 | 32.7 | | 2: 3 | 38 | 10:23 | 44 | * | * | * | * | 4:58 | 37 | 18:52 | 16 | * | * | * | * |
| 27 | 34 | 36 | 37 | 36 | 35 | 34 | 33 | 34 | 36 | 38 | 41 | 43 | 44 | 43 | 39 | 34 | 29 | 23 | 19 | 16 | 16 | 18 | 22 | 27 | 767 | 32.0 | | 1:57 | 37 | 11:51 | 44 | * | * | * | * | 6:12 | 33 | 19:40 | # 15 | * | * | * | * |
| 28 | 31 | 34 | 36 | 35 | 33 | 31 | 29 | 28 | 29 | 32 | 36 | 40 | 43 | 44 | 43 | 39 | 34 | 28 | 23 | 18 | 16 | 16 | 19 | 24 | 741 | 30.9 | | 2: 8 | 36 | 13: 2 | 44 | * | * | * | * | 7: 7 | 28 | 20:22 | 16 | * | * | * | * |
| 29 | 29 | 33 | 35 | 35 | 33 | 30 | 27 | 24 | 23 | 24 | 28 | 33 | 38 | 42 | 44 | 43 | 39 | 33 | 28 | 22 | 19 | 17 | 19 | 22 | 720 | 30.0 | F | 2:25 | 35 | 14: 3 | 44 | * | * | * | * | 7:58 | 23 | 21: 0 | 17 | * | * | * | * |
| 30 | 27 | 32 | 35 | 36 | 34 | 30 | 26 | 22 | 19 | 19 | 21 | 25 | 31 | 37 | 41 | 42 | 41 | 37 | 33 | 28 | 23 | 20 | 20 | 22 | 701 | 29.2 | | 2:46 | 36 | 15: 2 | 42 | * | * | * | * | 8:48 | 18 | 21:36 | 20 | * | * | * | * |

| 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 | 23379 | 32.5 | 1日 14時 55分 | 50 | 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)

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 | 27 | 31 | 35 | 37 | 36 | 33 | 28 | 23 | 19 | 16 | 15 | 18 | 23 | 29 | 35 | 39 | 40 | 39 | 36 | 32 | 28 | 25 | 23 | 24 | 691 | 28.8 | | 3:10 | 37 | 16: 2 | 40 | * | * | * | * | 9:38 | 15 | 22: 8 | 23 | * | * | * | * | |
| 2 | 27 | 32 | 35 | 38 | 38 | 36 | 32 | 26 | 21 | 16 | 14 | 14 | 17 | 22 | 28 | 33 | 37 | 38 | 37 | 35 | 32 | 30 | 28 | 28 | 694 | 28.9 | | 3:34 | 38 | 17: 6 | 38 | * | * | * | * | 10:29 | 13 | 22:36 | 27 | * | * | * | * | |
| 3 | 29 | 32 | 36 | 39 | 40 | 39 | 35 | 31 | 25 | 20 | 16 | 14 | 14 | 17 | 22 | 27 | 32 | 35 | 36 | 36 | 35 | 33 | 32 | 31 | 706 | 29.4 | | 3:58 | 40 | 18:21 | 36 | * | * | * | * | 11:22 | 13 | 22:57 | 31 | * | * | * | * | |
| 4 | 32 | 34 | 37 | 39 | 41 | 40 | 38 | 35 | 30 | 25 | 20 | 17 | 15 | 15 | 18 | 22 | 27 | 30 | 33 | 35 | 35 | 35 | 34 | 34 | 721 | 30.0 | | 4:22 | 41 | 19:57 | 35 | * | * | * | * | 12:17 | 15 | 22:56 | 34 | * | * | * | * | |
| 5 | 34 | 36 | 37 | 40 | 41 | 41 | 40 | 38 | 34 | 30 | 26 | 22 | 19 | 17 | 18 | 20 | 23 | 26 | 29 | 32 | 34 | 35 | 35 | 36 | 743 | 31.0 | | 4:44 | 41 | * | * | * | * | 13:18 | 17 | * | * | * | * | * | * | | | |
| 6 | 36 | 37 | 38 | 40 | 41 | 41 | 41 | 40 | 37 | 34 | 31 | 27 | 24 | 21 | 20 | 20 | 21 | 23 | 26 | 29 | 31 | 33 | 35 | 36 | 762 | 31.8 | L | 5: 8 | 41 | * | * | * | * | 14:29 | 20 | * | * | * | * | * | * | | | |
| 7 | 37 | 38 | 38 | 39 | 40 | 40 | 40 | 40 | 39 | 37 | 34 | 31 | 28 | 25 | 23 | 21 | 21 | 22 | 23 | 26 | 28 | 31 | 33 | 35 | 769 | 32.0 | | 5:38 | 40 | * | * | * | * | 15:53 | 21 | * | * | * | * | * | * | | | |
| 8 | 36 | 37 | 38 | 38 | 38 | 39 | 39 | 39 | 39 | 38 | 37 | 35 | 32 | 29 | 26 | 24 | 22 | 21 | 22 | 23 | 26 | 28 | 31 | 34 | 771 | 32.1 | | 6:47 | 39 | * | * | * | * | 17:12 | 21 | * | * | * | * | * | * | | | |
| 9 | 35 | 36 | 36 | 36 | 36 | 36 | 36 | 37 | 37 | 37 | 37 | 36 | 35 | 32 | 29 | 26 | 24 | 22 | 21 | 21 | 23 | 26 | 29 | 31 | 754 | 31.4 | | 9:10 | 37 | * | * | * | * | 18:10 | 21 | * | * | * | * | * | * | | | |
| 10 | 34 | 35 | 35 | 35 | 34 | 33 | 33 | 33 | 33 | 34 | 35 | 36 | 37 | 36 | 34 | 32 | 29 | 25 | 22 | 20 | 20 | 21 | 23 | 26 | 29 | 731 | 30.5 | | 1:46 | 35 | 10:55 | 37 | * | * | * | * | 5:57 | 33 | 18:53 | 20 | * | * | * | * |
| 11 | 32 | 33 | 33 | 33 | 32 | 30 | 30 | 30 | 31 | 32 | 34 | 36 | 36 | 35 | 33 | 30 | 27 | 24 | 21 | 19 | 19 | 21 | 24 | 27 | 702 | 29.3 | | 1:41 | 33 | 12: 1 | 36 | * | * | * | * | 6:31 | 29 | 19:26 | 19 | * | * | * | * | |
| 12 | 30 | 32 | 32 | 31 | 30 | 28 | 26 | 26 | 26 | 28 | 31 | 33 | 35 | 36 | 35 | 32 | 29 | 25 | 22 | 19 | 19 | 20 | 22 | 26 | 673 | 28.0 | | 1:45 | 32 | 12:51 | 36 | * | * | * | * | 7: 4 | 26 | 19:53 | 19 | * | * | * | * | |
| 13 | 29 | 31 | 32 | 31 | 29 | 26 | 24 | 22 | 22 | 24 | 26 | 30 | 33 | 35 | 35 | 33 | 30 | 27 | 23 | 21 | 19 | 20 | 22 | 25 | 649 | 27.0 | | 1:52 | 32 | 13:36 | 35 | * | * | * | * | 7:37 | 22 | 20:17 | 19 | * | * | * | * | |
| 14 | 28 | 31 | 32 | 31 | 29 | 26 | 23 | 20 | 19 | 19 | 22 | 26 | 30 | 33 | 35 | 34 | 32 | 29 | 26 | 23 | 21 | 20 | 22 | 25 | 636 | 26.5 | | 2: 2 | 32 | 14:20 | 35 | * | * | * | * | 8:11 | 19 | 20:40 | 20 | * | * | * | * | |
| 15 | 28 | 31 | 32 | 32 | 29 | 26 | 23 | 19 | 17 | 16 | 18 | 21 | 26 | 30 | 33 | 34 | 34 | 31 | 29 | 26 | 23 | 22 | 23 | 25 | 628 | 26.2 | N | 2:14 | 32 | 15: 5 | 35 | * | * | * | * | 8:46 | 16 | 21: 3 | 22 | * | * | * | * | |
| 16 | 29 | 32 | 34 | 34 | 32 | 28 | 24 | 20 | 16 | 14 | 15 | 17 | 22 | 27 | 31 | 34 | 35 | 33 | 31 | 29 | 26 | 25 | 25 | 27 | 640 | 26.7 | | 2:28 | 34 | 15:53 | 35 | * | * | * | * | 9:22 | 14 | 21:26 | 25 | * | * | * | * | |
| 17 | 30 | 33 | 35 | 36 | 34 | 31 | 27 | 22 | 18 | 15 | 13 | 15 | 18 | 23 | 28 | 32 | 34 | 35 | 34 | 32 | 30 | 28 | 28 | 29 | 660 | 27.5 | | 2:45 | 36 | 16:47 | 35 | * | * | * | * | 10: 1 | 13 | 21:49 | 28 | * | * | * | * | |
| 18 | 31 | 34 | 37 | 38 | 37 | 34 | 30 | 25 | 21 | 16 | 14 | 13 | 15 | 19 | 24 | 29 | 32 | 34 | 35 | 34 | 33 | 31 | 31 | 31 | 678 | 28.3 | | 3: 6 | 38 | 17:50 | 35 | * | * | * | * | 10:43 | 13 | 22:10 | 31 | * | * | * | * | |
| 19 | 33 | 35 | 38 | 40 | 40 | 38 | 34 | 30 | 25 | 20 | 16 | 14 | 14 | 16 | 20 | 25 | 29 | 32 | 34 | 35 | 34 | 34 | 33 | 33 | 702 | 29.3 | | 3:30 | 40 | 19: 8 | 35 | * | * | * | * | 11:31 | 14 | 22:22 | 33 | * | * | * | * | |
| 20 | 34 | 36 | 39 | 41 | 41 | 40 | 38 | 34 | 29 | 24 | 20 | 17 | 15 | 15 | 17 | 20 | 24 | 28 | 31 | 33 | 34 | 34 | 35 | 713 | 29.7 | | 4: 0 | 41 | * | * | * | * | 12:27 | 15 | * | * | * | * | * | * | | | | |
| 21 | 35 | 36 | 38 | 40 | 41 | 42 | 40 | 38 | 34 | 29 | 25 | 21 | 18 | 16 | 16 | 17 | 20 | 23 | 27 | 30 | 32 | 34 | 34 | 35 | 721 | 30.0 | | 4:37 | #42 | * | * | * | * | 13:34 | 16 | * | * | * | * | * | * | | | |
| 22 | 35 | 36 | 37 | 38 | 40 | 41 | 41 | 39 | 37 | 34 | 30 | 26 | 22 | 19 | 17 | 16 | 17 | 19 | 22 | 25 | 28 | 31 | 33 | 34 | 717 | 29.9 | U | 5:28 | 41 | * | * | * | * | 14:53 | 16 | * | * | * | * | * | * | | | |
| 23 | 35 | 35 | 35 | 36 | 37 | 38 | 39 | 39 | 38 | 37 | 34 | 30 | 26 | 22 | 19 | 17 | 15 | 16 | 18 | 20 | 24 | 27 | 30 | 32 | 699 | 29.1 | | 6:50 | 39 | * | * | * | * | 16:16 | 15 | * | * | * | * | * | * | | | |
| 24 | 33 | 33 | 33 | 33 | 33 | 33 | 34 | 35 | 36 | 37 | 36 | 34 | 31 | 27 | 23 | 19 | 16 | 15 | 15 | 17 | 20 | 23 | 27 | 30 | 673 | 28.0 | | 0:45 | 33 | 8:48 | 37 | * | * | * | * | 3:39 | 33 | 17:26 | 14 | * | * | * | * | |
| 25 | 32 | 32 | 31 | 30 | 29 | 28 | 28 | 30 | 32 | 34 | 35 | 35 | 34 | 31 | 27 | 23 | 19 | 16 | 14 | 14 | 17 | 20 | 24 | 28 | 643 | 26.8 | | 0:38 | 32 | 10:39 | 36 | * | * | * | * | 5:15 | 28 | 18:21 | 14 | * | * | * | * | |
| 26 | 30 | 31 | 30 | 28 | 25 | 23 | 22 | 23 | 25 | 28 | 31 | 34 | 35 | 34 | 31 | 27 | 23 | 19 | 16 | 14 | 15 | 18 | 22 | 26 | 610 | 25.4 | | 0:48 | 31 | 12: 3 | 35 | * | * | * | * | 6:15 | 22 | 19: 6 | 14 | * | * | * | * | |
| 27 | 29 | 31 | 30 | 27 | 24 | 20 | 18 | 16 | 17 | 20 | 25 | 29 | 33 | 34 | 34 | 31 | 27 | 23 | 19 | 16 | 16 | 18 | 21 | 25 | 583 | 24.3 | | 1: 4 | 31 | 13:11 | 34 | * | * | * | * | 7: 6 | 16 | 19:45 | 16 | * | * | * | * | |
| 28 | 29 | 31 | 31 | 28 | 24 | 20 | 16 | 12 | 11 | 13 | 17 | 22 | 28 | 32 | 34 | 33 | 31 | 27 | 24 | 20 | 18 | 19 | 21 | 25 | 566 | 23.6 | | 1:24 | 31 | 14:15 | 34 | * | * | * | * | 7:55 | 11 | 20:21 | 18 | * | * | * | * | |
| 29 | 29 | 32 | 33 | 31 | 27 | 22 | 16 | 12 | 8 | 8 | 10 | 15 | 21 | 27 | 31 | 33 | 33 | 31 | 28 | 25 | 22 | 22 | 23 | 26 | 565 | 23.5 | F | 1:46 | 33 | 15:18 | 33 | * | * | * | * | 8:42 | 8 | 20:53 | 22 | * | * | * | * | |
| 30 | 30 | 33 | 35 | 34 | 31 | 26 | 20 | 14 | 9 | 6 | 6 | 10 | 15 | 21 | 27 | 31 | 33 | 33 | 31 | 29 | 26 | 25 | 25 | 27 | 577 | 24.0 | | 2:11 | 35 | 16:22 | 33 | * | * | * | * | 9:28 | #6 | 21:22 | 25 | * | * | * | * | |
| 31 | 31 | 34 | 36 | 36 | 34 | 30 | 25 | 19 | 13 | 8 | 6 | 7 | 11 | 16 | 22 | 27 | 31 | 33 | 33 | 31 | 30 | 29 | 28 | 29 | 599 | 25.0 | | 2:36 | 37 | 17:28 | 33 | * | * | * | * | 10:15 | #6 | 21:45 | 28 | * | * | * | * | |

| 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 | 20976 | 28.2 | 21日 4時 37分 | 42 | 1 | 31日 10時 15分 | 6 | 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)

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 | | |
| 1 | 32 | 35 | 37 | 38 | 37 | 34 | 30 | 24 | 18 | 13 | 9 | 8 | 9 | 13 | 18 | 23 | 28 | 31 | 32 | 33 | 32 | 31 | 31 | 31 | 627 | 26.1 | | 3: 2 | 38 | 18:36 | 33 | * | * | * | * | 11: 3 | 8 | 22: 0 | 31 | * | * | * | * |
| 2 | 33 | 35 | 37 | 39 | 39 | 37 | 34 | 29 | 24 | 18 | 14 | 11 | 10 | 12 | 15 | 20 | 24 | 28 | 31 | 32 | 32 | 32 | 33 | 651 | 27.1 | | 3:29 | # 39 | * | * | * | * | * | * | 11:52 | 10 | * | * | * | * | * | * | |
| 3 | 33 | 35 | 37 | 38 | 39 | 38 | 36 | 33 | 29 | 24 | 19 | 16 | 14 | 13 | 15 | 18 | 21 | 25 | 28 | 30 | 32 | 32 | 33 | 671 | 28.0 | | 3:57 | # 39 | * | * | * | * | * | * | 12:45 | 13 | * | * | * | * | * | * | |
| 4 | 33 | 34 | 36 | 37 | 38 | 38 | 37 | 35 | 32 | 28 | 24 | 21 | 18 | 16 | 16 | 17 | 19 | 22 | 25 | 27 | 29 | 31 | 32 | 32 | 677 | 28.2 | | 4:28 | 38 | * | * | * | * | * | * | 13:45 | 16 | * | * | * | * | * | * |
| 5 | 33 | 33 | 34 | 35 | 36 | 36 | 36 | 35 | 33 | 30 | 27 | 24 | 21 | 19 | 17 | 17 | 18 | 19 | 22 | 24 | 27 | 29 | 30 | 31 | 666 | 27.8 | L | 5: 5 | 36 | * | * | * | * | * | * | 14:52 | 17 | * | * | * | * | * | * |
| 6 | 32 | 32 | 32 | 32 | 32 | 33 | 33 | 33 | 32 | 31 | 29 | 27 | 24 | 21 | 19 | 18 | 17 | 18 | 19 | 21 | 24 | 26 | 28 | 29 | 642 | 26.8 | | 6: 6 | 33 | * | * | * | * | * | * | 16: 3 | 17 | * | * | * | * | * | * |
| 7 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 29 | 28 | 26 | 23 | 21 | 19 | 17 | 17 | 17 | 19 | 21 | 24 | 26 | 28 | 611 | 25.5 | | 0:27 | 30 | 8:15 | 30 | * | * | * | * | 4:33 | 29 | 17: 3 | 17 | * | * | * | * |
| 8 | 28 | 28 | 27 | 26 | 25 | 25 | 25 | 25 | 26 | 27 | 28 | 27 | 26 | 25 | 22 | 20 | 18 | 17 | 16 | 17 | 19 | 21 | 24 | 26 | 568 | 23.7 | | 0:19 | 28 | 10:19 | 28 | * | * | * | * | 5:37 | 25 | 17:48 | 16 | * | * | * | * |
| 9 | 27 | 27 | 26 | 24 | 22 | 21 | 20 | 21 | 22 | 23 | 25 | 26 | 26 | 25 | 24 | 21 | 19 | 17 | 16 | 16 | 18 | 20 | 23 | 25 | 534 | 22.3 | | 0:21 | 27 | 11:40 | 26 | * | * | * | * | 6:15 | 20 | 18:22 | 16 | * | * | * | * |
| 10 | 26 | 26 | 25 | 23 | 20 | 18 | 16 | 16 | 17 | 19 | 22 | 24 | 26 | 26 | 25 | 23 | 21 | 19 | 17 | 16 | 17 | 20 | 22 | 25 | 509 | 21.2 | | 0:27 | 26 | 12:41 | 26 | * | * | * | * | 6:48 | 16 | 18:50 | 16 | * | * | * | * |
| 11 | 26 | 27 | 25 | 23 | 20 | 16 | 14 | 12 | 13 | 15 | 18 | 21 | 24 | 26 | 26 | 25 | 23 | 21 | 19 | 18 | 18 | 20 | 22 | 25 | 497 | 20.7 | | 0:36 | 27 | 13:35 | 26 | * | * | * | * | 7:21 | 12 | 19:17 | 18 | * | * | * | * |
| 12 | 27 | 28 | 27 | 24 | 20 | 16 | 13 | 10 | 9 | 10 | 14 | 18 | 22 | 25 | 27 | 27 | 26 | 24 | 22 | 20 | 20 | 21 | 23 | 26 | 499 | 20.8 | | 0:49 | 28 | 14:27 | 27 | * | * | * | * | 7:54 | 9 | 19:44 | 20 | * | * | * | * |
| 13 | 29 | 30 | 29 | 26 | 22 | 18 | 13 | 10 | 7 | 7 | 10 | 14 | 19 | 24 | 27 | 28 | 28 | 27 | 25 | 23 | 22 | 23 | 25 | 28 | 514 | 21.4 | N | 1: 6 | 30 | 15:20 | 28 | * | * | * | * | 8:29 | 7 | 20:13 | 22 | * | * | * | * |
| 14 | 30 | 32 | 32 | 30 | 26 | 21 | 16 | 11 | 7 | 6 | 7 | 10 | 15 | 21 | 25 | 29 | 30 | 29 | 28 | 26 | 25 | 25 | 26 | 29 | 536 | 22.3 | | 1:29 | 33 | 16:15 | 30 | * | * | * | * | 9: 7 | 6 | 20:41 | 25 | * | * | * | * |
| 15 | 32 | 34 | 35 | 34 | 31 | 26 | 20 | 14 | 10 | 6 | 6 | 7 | 12 | 17 | 23 | 27 | 30 | 31 | 31 | 29 | 28 | 27 | 28 | 30 | 568 | 23.7 | | 1:55 | 35 | 17:11 | 31 | * | * | * | * | 9:49 | 6 | 21: 9 | 27 | * | * | * | * |
| 16 | 33 | 36 | 37 | 37 | 35 | 31 | 25 | 19 | 14 | 9 | 6 | 6 | 9 | 13 | 19 | 24 | 28 | 30 | 31 | 31 | 30 | 29 | 29 | 30 | 591 | 24.6 | | 2:27 | 38 | 18:11 | 31 | * | * | * | * | 10:35 | 6 | 21:34 | 29 | * | * | * | * |
| 17 | 33 | 36 | 38 | 39 | 38 | 35 | 31 | 25 | 19 | 14 | 9 | 7 | 7 | 10 | 14 | 19 | 24 | 28 | 30 | 31 | 31 | 30 | 30 | 31 | 609 | 25.4 | | 3: 4 | # 39 | 19:18 | 31 | * | * | * | * | 11:26 | 7 | 21:56 | 30 | * | * | * | * |
| 18 | 32 | 34 | 37 | 39 | 39 | 38 | 35 | 30 | 25 | 19 | 14 | 10 | 8 | 8 | 11 | 15 | 19 | 24 | 27 | 29 | 30 | 30 | 30 | 613 | 25.5 | | 3:47 | # 39 | * | * | * | * | * | * | 12:23 | 8 | * | * | * | * | * | * | |
| 19 | 31 | 32 | 34 | 36 | 38 | 38 | 37 | 34 | 29 | 24 | 19 | 14 | 11 | 9 | 9 | 11 | 15 | 19 | 22 | 26 | 28 | 29 | 29 | 603 | 25.1 | | 4:37 | 38 | * | * | * | * | * | * | 13:25 | 9 | * | * | * | * | * | * | |
| 20 | 29 | 30 | 31 | 32 | 34 | 35 | 36 | 34 | 32 | 28 | 24 | 19 | 15 | 12 | 10 | 10 | 11 | 14 | 18 | 21 | 24 | 27 | 28 | 28 | 582 | 24.3 | U | 5:42 | 36 | 22:44 | 28 | * | * | * | * | 14:30 | 10 | * | * | * | * | * | * |
| 21 | 27 | 27 | 27 | 27 | 28 | 30 | 31 | 32 | 31 | 30 | 27 | 23 | 19 | 15 | 12 | 10 | 10 | 12 | 14 | 18 | 21 | 24 | 26 | 26 | 547 | 22.8 | | 7: 9 | 32 | 22:59 | 26 | * | * | * | * | 1:49 | 27 | 15:38 | 10 | * | * | * | * |
| 22 | 26 | 25 | 23 | 23 | 22 | 23 | 24 | 26 | 28 | 28 | 27 | 26 | 23 | 19 | 16 | 13 | 11 | 11 | 12 | 15 | 18 | 22 | 24 | 25 | 510 | 21.3 | | 9: 0 | 28 | 23:18 | 25 | * | * | * | * | 3:45 | 22 | 16:40 | 11 | * | * | * | * |
| 23 | 25 | 24 | 21 | 19 | 17 | 17 | 17 | 19 | 21 | 23 | 25 | 26 | 25 | 22 | 19 | 16 | 14 | 12 | 12 | 14 | 17 | 20 | 23 | 25 | 473 | 19.7 | | 10:48 | 26 | 23:38 | 25 | * | * | * | * | 5: 9 | 16 | 17:33 | 12 | * | * | * | * |
| 24 | 25 | 24 | 21 | 18 | 14 | 12 | 11 | 11 | 14 | 17 | 20 | 23 | 24 | 24 | 22 | 20 | 17 | 15 | 14 | 14 | 16 | 20 | 23 | 25 | 444 | 18.5 | | 12:17 | 24 | * | * | * | * | 6:11 | 11 | 18:18 | 14 | * | * | * | * | | |
| 25 | 26 | 25 | 23 | 19 | 14 | 10 | 7 | 6 | 7 | 10 | 14 | 19 | 22 | 24 | 24 | 23 | 21 | 19 | 17 | 16 | 17 | 20 | 23 | 26 | 432 | 18.0 | | 0: 0 | 26 | 13:35 | 24 | * | * | * | * | 7: 3 | 6 | 18:57 | 16 | * | * | * | * |
| 26 | 28 | 28 | 25 | 21 | 16 | 11 | 6 | 3 | 2 | 4 | 8 | 13 | 18 | 22 | 25 | 25 | 24 | 23 | 21 | 19 | 19 | 21 | 24 | 27 | 433 | 18.0 | | 0:25 | 28 | 14:47 | 25 | * | * | * | * | 7:50 | 2 | 19:32 | 19 | * | * | * | * |
| 27 | 29 | 30 | 29 | 25 | 20 | 14 | 9 | 4 | 1 | 0 | 3 | 8 | 14 | 19 | 23 | 26 | 26 | 25 | 24 | 23 | 22 | 23 | 25 | 28 | 450 | 18.8 | F | 0:52 | 30 | 15:52 | 26 | * | * | * | * | 8:36 | # 0 | 20: 4 | 22 | * | * | * | * |
| 28 | 31 | 32 | 32 | 29 | 25 | 19 | 13 | 7 | 3 | 0 | 1 | 4 | 10 | 16 | 21 | 25 | 27 | 27 | 27 | 25 | 25 | 25 | 26 | 28 | 478 | 19.9 | | 1:21 | 32 | 16:48 | 27 | * | * | * | * | 9:20 | # 0 | 20:32 | 24 | * | * | * | * |
| 29 | 31 | 33 | 34 | 33 | 30 | 25 | 19 | 12 | 7 | 3 | 2 | 3 | 7 | 12 | 18 | 23 | 26 | 28 | 28 | 27 | 27 | 26 | 27 | 28 | 509 | 21.2 | | 1:53 | 34 | 17:38 | 28 | * | * | * | * | 10: 3 | 2 | 20:56 | 26 | * | * | * | * |
| 30 | 31 | 34 | 35 | 35 | 33 | 29 | 24 | 18 | 12 | 8 | 5 | 4 | 6 | 10 | 15 | 20 | 24 | 27 | 28 | 28 | 28 | 27 | 27 | 28 | 536 | 22.3 | | 2:27 | 35 | 18:26 | 28 | * | * | * | * | 10:47 | 4 | 21:18 | 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 |
| 720 | 16580 | 23.0 | 18 日 3 時 47 分 | 39 | 4 | 28 日 9 時 20 分 | 0 | 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)

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 | 30 | 33 | 35 | 36 | 35 | 32 | 29 | 23 | 18 | 13 | 9 | 6 | 6 | 9 | 13 | 17 | 21 | 25 | 27 | 28 | 28 | 27 | 28 | 556 | 23.2 | | 3:3 | 36 | * | * | * | * | * | * | 11:32 | 6 | * | * | * | * | * | * | | | |
| 2 | 29 | 31 | 33 | 35 | 35 | 34 | 31 | 27 | 22 | 17 | 13 | 10 | 8 | 9 | 11 | 15 | 18 | 22 | 25 | 26 | 27 | 27 | 27 | 559 | 23.3 | | 3:41 | 35 | * | * | * | * | * | * | 12:17 | 8 | * | * | * | * | * | * | | | |
| 3 | 28 | 29 | 30 | 32 | 33 | 33 | 31 | 29 | 25 | 21 | 16 | 13 | 11 | 10 | 10 | 13 | 16 | 19 | 22 | 24 | 25 | 26 | 26 | 548 | 22.8 | | 4:21 | 33 | * | * | * | * | * | * | 13:3 | 10 | * | * | * | * | * | * | | | |
| 4 | 26 | 26 | 27 | 28 | 30 | 30 | 30 | 28 | 26 | 22 | 19 | 15 | 13 | 11 | 11 | 11 | 13 | 16 | 19 | 21 | 23 | 24 | 24 | 517 | 21.5 | | 5:3 | 30 | 22:1 | 24 | * | * | * | * | * | 13:48 | 11 | * | * | * | * | * | * | | |
| 5 | 24 | 24 | 24 | 24 | 25 | 26 | 26 | 26 | 24 | 22 | 20 | 17 | 14 | 12 | 11 | 11 | 12 | 14 | 16 | 19 | 21 | 22 | 23 | 480 | 20.0 | L | 5:56 | 26 | 22:19 | 23 | * | * | * | * | * | 1:0 | 24 | 14:33 | 11 | * | * | * | * | | |
| 6 | 22 | 21 | 21 | 20 | 21 | 21 | 22 | 22 | 22 | 21 | 20 | 18 | 16 | 14 | 12 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 21 | 444 | 18.5 | | 7:17 | 22 | 22:32 | 22 | * | * | * | * | * | 3:8 | 20 | 15:16 | 11 | * | * | * | * | | |
| 7 | 21 | 20 | 18 | 17 | 16 | 16 | 16 | 17 | 18 | 18 | 18 | 18 | 16 | 15 | 13 | 12 | 12 | 14 | 16 | 18 | 20 | 21 | 21 | 403 | 16.8 | | 9:23 | 18 | 22:43 | 21 | * | * | * | * | * | 4:47 | 16 | 15:58 | 12 | * | * | * | * | | |
| 8 | 20 | 19 | 17 | 15 | 13 | 12 | 12 | 12 | 14 | 15 | 16 | 17 | 17 | 16 | 15 | 14 | 13 | 13 | 14 | 15 | 17 | 20 | 21 | 379 | 15.8 | | 11:16 | 17 | 22:57 | 22 | * | * | * | * | * | 5:42 | 12 | 16:40 | 13 | * | * | * | * | | |
| 9 | 21 | 19 | 17 | 14 | 11 | 9 | 8 | 8 | 9 | 11 | 14 | 16 | 17 | 17 | 17 | 16 | 15 | 15 | 15 | 16 | 18 | 20 | 22 | 368 | 15.3 | | 12:44 | 17 | 23:16 | 23 | * | * | * | * | * | 6:22 | 8 | 17:22 | 15 | * | * | * | * | | |
| 10 | 23 | 21 | 18 | 14 | 11 | 7 | 5 | 4 | 5 | 7 | 11 | 14 | 17 | 19 | 19 | 19 | 18 | 17 | 17 | 17 | 19 | 21 | 23 | 371 | 15.5 | | 14:1 | 19 | 23:40 | 25 | * | * | * | * | * | 6:58 | 4 | 18:4 | 17 | * | * | * | * | | |
| 11 | 25 | 24 | 21 | 17 | 12 | 8 | 4 | 2 | 2 | 4 | 7 | 12 | 16 | 19 | 21 | 22 | 21 | 20 | 20 | 19 | 20 | 22 | 25 | 390 | 16.3 | | 15:3 | 22 | * | * | * | * | * | 7:35 | 2 | 18:45 | 19 | * | * | * | * | | | | |
| 12 | 28 | 28 | 25 | 21 | 16 | 11 | 6 | 2 | 0 | 1 | 4 | 8 | 14 | 18 | 22 | 24 | 24 | 23 | 22 | 22 | 22 | 23 | 26 | 419 | 17.5 | | 0:9 | 28 | 15:53 | 24 | * | * | * | * | * | 8:15 | 0 | 19:24 | 22 | * | * | * | * | | |
| 13 | 31 | 31 | 30 | 26 | 21 | 15 | 9 | 4 | 0 | -1 | 1 | 5 | 10 | 16 | 21 | 24 | 26 | 26 | 25 | 24 | 24 | 24 | 26 | 447 | 18.6 | N | 0:45 | 31 | 16:38 | 26 | * | * | * | * | * | 8:58 | -1 | 20:1 | 24 | * | * | * | * | | |
| 14 | 32 | 34 | 34 | 31 | 27 | 21 | 15 | 8 | 3 | 0 | -1 | 1 | 6 | 12 | 17 | 22 | 25 | 27 | 27 | 26 | 25 | 25 | 26 | 471 | 19.6 | | 1:26 | 34 | 17:22 | 27 | * | * | * | * | * | 9:45 | -1 | 20:37 | 25 | * | * | * | * | | |
| 15 | 32 | 35 | 36 | 35 | 32 | 27 | 21 | 14 | 8 | 3 | 0 | -1 | 2 | 7 | 13 | 19 | 23 | 26 | 27 | 26 | 25 | 25 | 25 | 487 | 20.3 | | 2:12 | 36 | 18:7 | 27 | * | * | * | * | * | 10:34 | -1 | 21:16 | 25 | * | * | * | * | | |
| 16 | 29 | 33 | 36 | 37 | 36 | 32 | 27 | 20 | 14 | 7 | 3 | 0 | 0 | 3 | 8 | 14 | 19 | 23 | 25 | 26 | 25 | 24 | 24 | 489 | 20.4 | | 3:2 | #37 | 18:53 | 26 | * | * | * | * | * | 11:25 | 0 | 22:4 | 24 | * | * | * | * | | |
| 17 | 26 | 29 | 32 | 35 | 36 | 35 | 31 | 26 | 19 | 13 | 7 | 3 | 1 | 1 | 5 | 9 | 14 | 19 | 22 | 24 | 24 | 23 | 23 | 479 | 20.0 | | 3:57 | 36 | 19:38 | 24 | * | * | * | * | * | 12:16 | 1 | 23:9 | 22 | * | * | * | * | | |
| 18 | 22 | 24 | 27 | 30 | 32 | 33 | 32 | 29 | 24 | 18 | 12 | 7 | 3 | 2 | 3 | 6 | 10 | 15 | 18 | 21 | 22 | 22 | 21 | 453 | 18.9 | | 4:56 | 33 | 20:20 | 22 | * | * | * | * | * | 13:7 | 2 | * | * | * | * | * | * | | |
| 19 | 19 | 20 | 21 | 23 | 26 | 28 | 29 | 28 | 25 | 21 | 16 | 12 | 7 | 5 | 4 | 5 | 8 | 11 | 15 | 18 | 21 | 21 | 21 | 423 | 17.6 | | 6:2 | 29 | 20:57 | 21 | * | * | * | * | * | 0:28 | 19 | 13:57 | 4 | * | * | * | * | | |
| 20 | 18 | 16 | 16 | 16 | 18 | 20 | 22 | 23 | 23 | 22 | 19 | 15 | 11 | 8 | 6 | 6 | 7 | 10 | 13 | 16 | 19 | 20 | 20 | 383 | 16.0 | U | 7:23 | 23 | 21:29 | 21 | * | * | * | * | * | 1:57 | 16 | 14:47 | 6 | * | * | * | * | | |
| 21 | 17 | 15 | 12 | 11 | 11 | 12 | 14 | 16 | 18 | 19 | 18 | 17 | 14 | 12 | 10 | 9 | 8 | 10 | 12 | 15 | 18 | 20 | 21 | 349 | 14.5 | | 9:8 | 19 | 22:0 | 21 | * | * | * | * | * | 3:32 | 11 | 15:35 | 8 | * | * | * | * | | |
| 22 | 18 | 15 | 12 | 9 | 7 | 6 | 7 | 9 | 11 | 14 | 15 | 16 | 16 | 15 | 13 | 12 | 11 | 11 | 13 | 15 | 18 | 20 | 22 | 326 | 13.6 | | 11:7 | 16 | 22:29 | 22 | * | * | * | * | * | 4:58 | 6 | 16:22 | 11 | * | * | * | * | | |
| 23 | 20 | 17 | 13 | 9 | 5 | 2 | 1 | 2 | 4 | 8 | 11 | 14 | 15 | 16 | 16 | 15 | 14 | 14 | 14 | 16 | 18 | 20 | 22 | 309 | 12.9 | | 13:9 | 16 | 23:0 | 23 | * | * | * | * | * | 6:5 | 1 | 17:7 | 14 | * | * | * | * | | |
| 24 | 22 | 20 | 16 | 11 | 6 | 2 | -1 | -2 | -1 | 2 | 6 | 10 | 14 | 16 | 17 | 18 | 17 | 17 | 17 | 17 | 19 | 21 | 23 | 312 | 13.0 | | 14:53 | 18 | 23:33 | 25 | * | * | * | * | * | 7:1 | -2 | 17:51 | 17 | * | * | * | * | | |
| 25 | 25 | 23 | 20 | 15 | 10 | 5 | 0 | -3 | -4 | -2 | 2 | 7 | 11 | 15 | 18 | 19 | 20 | 19 | 19 | 19 | 20 | 21 | 24 | 329 | 13.7 | | 15:52 | 20 | * | * | * | * | * | 7:49 | #-4 | 18:34 | 19 | * | * | * | * | | | | |
| 26 | 27 | 26 | 24 | 20 | 15 | 9 | 4 | -1 | -3 | -4 | -1 | 3 | 9 | 14 | 18 | 20 | 21 | 21 | 21 | 20 | 21 | 22 | 24 | 356 | 14.8 | | 0:10 | 27 | 16:29 | 21 | * | * | * | * | * | 8:33 | #-4 | 19:14 | 20 | * | * | * | * | | |
| 27 | 28 | 29 | 28 | 25 | 20 | 15 | 9 | 3 | -1 | -3 | -2 | 1 | 6 | 11 | 16 | 20 | 22 | 22 | 22 | 22 | 21 | 22 | 23 | 385 | 16.0 | F | 0:50 | 29 | 16:57 | 23 | * | * | * | * | * | 9:15 | -3 | 19:53 | 21 | * | * | * | * | | |
| 28 | 28 | 30 | 30 | 28 | 25 | 20 | 14 | 8 | 3 | -1 | -2 | 0 | 4 | 9 | 14 | 19 | 22 | 23 | 23 | 22 | 22 | 22 | 24 | 409 | 17.0 | | 1:33 | 30 | 17:24 | 23 | * | * | * | * | * | 9:56 | -2 | 20:31 | 21 | * | * | * | * | | |
| 29 | 27 | 30 | 31 | 31 | 28 | 24 | 19 | 13 | 7 | 3 | 0 | 0 | 2 | 7 | 12 | 16 | 20 | 22 | 23 | 22 | 21 | 21 | 23 | 423 | 17.6 | | 2:17 | 31 | 17:53 | 23 | * | * | * | * | * | 10:35 | 0 | 21:10 | 21 | * | * | * | * | | |
| 30 | 25 | 28 | 30 | 31 | 30 | 27 | 23 | 17 | 12 | 7 | 3 | 1 | 2 | 5 | 9 | 14 | 18 | 21 | 22 | 22 | 21 | 20 | 21 | 429 | 17.9 | | 3:1 | 31 | 18:24 | 22 | * | * | * | * | * | 11:14 | 1 | 21:52 | 20 | * | * | * | * | | |
| 31 | 22 | 25 | 27 | 29 | 29 | 28 | 25 | 20 | 15 | 10 | 6 | 3 | 2 | 3 | 7 | 11 | 15 | 18 | 20 | 20 | 20 | 19 | 18 | 410 | 17.1 | | 3:43 | 29 | 18:55 | 20 | * | * | * | * | * | 11:50 | 2 | 22:40 | 18 | * | * | * | * | | |

| 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 | 13103 | 17.6 | 16日3時2分 | 37 | 1 | 26日8時33分 | -4 | 2 |