

平成 11 年 ( 1999 年 )

方面 : 伊予灘 Port : 大分

Lat. 33 ° 15.8'N  
Long. 131 ° 41.4'E

## 験 潮 記 録

自 平成 11 年 1 月 1 日  
至 平成 11 年 12 月 31 日

位 置 : 大分市鶴崎大分県船舶廃油処理場構内  
使 用 時 間 : 135 ° E  
験 潮 器 : フース型長期巻験潮器 LFT-V 型、潮位伝送装置  
潮 高 基 準 面 : 球分体下 6.432m 錘測基点下 7.948m  
欠 測 時 間 :  
観 測 間 隔 : 連続  
験 潮 主 管 所 : 大分海上保安部

験 潮 記 録

平成11年 1月 (1999)  
方 面：九州東岸  
験潮所：大 分

緯 度 33° 15' 46" N  
經 度 131° 41' 21" E 使用時： 135° E

自 平成11年 1月 1日  
至 平成11年 1月 31日  
観測者：第七管区海上保安本部水路部

| 時 日           | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23    | 平 均   |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|
|               | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm    | cm    |
| 1             | 196 | 180 | 186 | 212 | 254 | 305 | 353 | 386 | 400 | 394 | 372 | 339 | 305 | 282 | 277 | 287 | 310 | 339 | 369 | 386 | 381 | 355 | 314 | 266   | 310.3 |
| 2             | 219 | 186 | 173 | 184 | 217 | 266 | 321 | 369 | 399 | 407 | 396 | 368 | 331 | 296 | 276 | 275 | 290 | 317 | 350 | 379 | 391 | 380 | 348 | 303   | 310.0 |
| 3             | 251 | 205 | 175 | 170 | 187 | 224 | 277 | 334 | 380 | 405 | 408 | 392 | 359 | 320 | 287 | 272 | 276 | 294 | 322 | 354 | 380 | 387 | 370 | 334   | 306.8 |
| 4             | 286 | 235 | 194 | 172 | 173 | 196 | 238 | 292 | 346 | 385 | 402 | 398 | 376 | 340 | 302 | 275 | 267 | 276 | 297 | 327 | 359 | 379 | 378 | 356   | 302.0 |
| 5             | 317 | 270 | 224 | 189 | 175 | 184 | 213 | 259 | 313 | 361 | 391 | 400 | 389 | 362 | 325 | 291 | 271 | 269 | 282 | 306 | 335 | 362 | 377 | 370   | 301.5 |
| 6             | 344 | 306 | 264 | 225 | 200 | 195 | 210 | 243 | 288 | 337 | 376 | 396 | 398 | 382 | 353 | 318 | 290 | 278 | 281 | 294 | 316 | 344 | 366 | 374   | 307.4 |
| 7             | 362 | 337 | 303 | 266 | 236 | 221 | 224 | 243 | 276 | 315 | 353 | 380 | 390 | 383 | 362 | 331 | 301 | 279 | 270 | 273 | 286 | 306 | 329 | 346   | 307.2 |
| 8             | 349 | 338 | 315 | 286 | 256 | 234 | 227 | 236 | 257 | 287 | 322 | 353 | 373 | 377 | 367 | 346 | 319 | 293 | 276 | 271 | 276 | 287 | 305 | 323   | 303.0 |
| 9             | 335 | 335 | 324 | 306 | 284 | 262 | 248 | 245 | 254 | 272 | 297 | 324 | 345 | 356 | 356 | 345 | 325 | 300 | 278 | 265 | 260 | 264 | 275 | 293   | 297.8 |
| 10            | 311 | 324 | 328 | 321 | 308 | 290 | 273 | 263 | 263 | 271 | 287 | 307 | 328 | 344 | 352 | 350 | 338 | 319 | 296 | 276 | 263 | 257 | 259 | 268   | 299.8 |
| 11            | 283 | 300 | 314 | 322 | 321 | 313 | 300 | 287 | 279 | 277 | 283 | 295 | 311 | 328 | 341 | 347 | 343 | 331 | 314 | 292 | 272 | 257 | 250 | 252   | 300.5 |
| 12            | 261 | 277 | 298 | 317 | 330 | 335 | 332 | 322 | 309 | 297 | 291 | 293 | 301 | 314 | 328 | 341 | 348 | 345 | 333 | 314 | 290 | 267 | 250 | 242   | 305.6 |
| 13            | 244 | 256 | 276 | 301 | 325 | 342 | 350 | 348 | 338 | 322 | 305 | 294 | 294 | 300 | 312 | 328 | 343 | 351 | 348 | 334 | 312 | 284 | 257 | 239   | 308.5 |
| 14            | 231 | 236 | 253 | 280 | 311 | 340 | 359 | 368 | 364 | 349 | 327 | 307 | 295 | 295 | 303 | 319 | 338 | 356 | 364 | 358 | 339 | 311 | 279 | 249   | 313.8 |
| 15            | 230 | 226 | 237 | 260 | 295 | 334 | 366 | 386 | 389 | 378 | 357 | 329 | 304 | 290 | 290 | 303 | 322 | 343 | 360 | 364 | 353 | 327 | 293 | 256   | 316.3 |
| 16            | 225 | 209 | 211 | 231 | 265 | 306 | 348 | 379 | 394 | 392 | 374 | 346 | 315 | 291 | 282 | 289 | 306 | 330 | 354 | 369 | 368 | 348 | 314 | 273   | 313.3 |
| 17            | 233 | 204 | 194 | 204 | 231 | 272 | 320 | 363 | 391 | 399 | 388 | 363 | 329 | 297 | 280 | 279 | 292 | 315 | 343 | 368 | 379 | 369 | 341 | 302   | 310.7 |
| 18            | 257 | 218 | 195 | 194 | 212 | 248 | 295 | 345 | 384 | 403 | 402 | 383 | 351 | 314 | 285 | 273 | 279 | 299 | 327 | 358 | 380 | 384 | 367 | 332   | 311.9 |
| 19            | 287 | 242 | 207 | 194 | 202 | 229 | 272 | 324 | 374 | 407 | 418 | 408 | 384 | 349 | 314 | 290 | 282 | 294 | 317 | 346 | 372 | 386 | 381 | 355   | 318.1 |
| 20            | 315 | 270 | 229 | 203 | 197 | 211 | 245 | 293 | 344 | 384 | 406 | 408 | 390 | 358 | 320 | 288 | 272 | 275 | 292 | 318 | 349 | 375 | 385 | 372   | 312.5 |
| 21            | 341 | 299 | 255 | 218 | 197 | 197 | 218 | 255 | 303 | 350 | 383 | 398 | 392 | 369 | 334 | 297 | 271 | 262 | 270 | 291 | 320 | 352 | 375 | 380   | 305.3 |
| 22            | 364 | 332 | 292 | 252 | 222 | 210 | 217 | 243 | 282 | 327 | 367 | 392 | 398 | 385 | 358 | 322 | 288 | 268 | 264 | 275 | 297 | 326 | 354 | 372   | 308.6 |
| 23            | 371 | 354 | 325 | 289 | 254 | 232 | 228 | 241 | 267 | 305 | 347 | 380 | 397 | 396 | 380 | 350 | 315 | 285 | 270 | 269 | 280 | 301 | 330 | 358   | 313.5 |
| 24            | 374 | 375 | 363 | 340 | 310 | 282 | 263 | 260 | 272 | 296 | 328 | 360 | 384 | 393 | 388 | 370 | 341 | 308 | 281 | 266 | 265 | 275 | 295 | 322   | 321.3 |
| 25            | 348 | 365 | 369 | 361 | 345 | 323 | 301 | 289 | 289 | 300 | 320 | 346 | 371 | 389 | 394 | 387 | 370 | 343 | 312 | 286 | 270 | 266 | 273 | 290   | 329.5 |
| 26            | 315 | 340 | 359 | 367 | 365 | 353 | 336 | 317 | 303 | 298 | 303 | 316 | 334 | 352 | 368 | 373 | 367 | 350 | 325 | 296 | 270 | 251 | 245 | 250   | 323.0 |
| 27            | 265 | 289 | 318 | 344 | 360 | 366 | 362 | 349 | 331 | 314 | 304 | 303 | 311 | 325 | 344 | 361 | 371 | 366 | 352 | 328 | 297 | 265 | 242 | 231   | 320.8 |
| 28            | 234 | 249 | 277 | 313 | 346 | 370 | 381 | 380 | 366 | 343 | 320 | 304 | 298 | 301 | 313 | 331 | 350 | 362 | 360 | 345 | 318 | 284 | 249 | 221   | 317.3 |
| 29            | 209 | 212 | 232 | 266 | 308 | 348 | 378 | 391 | 389 | 373 | 346 | 317 | 297 | 291 | 296 | 311 | 332 | 354 | 370 | 366 | 345 | 312 | 272 | 232   | 314.5 |
| 30            | 202 | 190 | 199 | 225 | 264 | 312 | 357 | 387 | 398 | 391 | 370 | 338 | 306 | 284 | 278 | 288 | 309 | 337 | 363 | 378 | 373 | 348 | 309 | 262   | 311.2 |
| 31            | 218 | 188 | 180 | 193 | 224 | 270 | 322 | 367 | 393 | 398 | 383 | 354 | 317 | 283 | 265 | 266 | 282 | 309 | 341 | 370 | 383 | 372 | 340 | 295   | 304.7 |
| *:欠測データを補間した値 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 310.5 |       |

潮高の基準面：錐測基点下 794.8cm

|           |       |    |
|-----------|-------|----|
| h         | m     | cm |
| 26日 13:50 | 794.4 |    |
| 13:55     | 794.5 |    |
| 14:00     | 794.3 |    |
| 14:05     | 794.3 |    |
| 平均        | 794.4 |    |

驗潮記錄

平成11年 1月 (1999)  
 方面：九州東岸  
 驗潮所：大分

緯度 33° 15' 46" N  
 經度 131° 41' 21" E 使用時：135° E

自 平成11年 1月 1日  
 至 平成11年 1月 31日  
 觀測者：第七管区海上保安本部水路部

| 日  | 午前高潮  |     | 低潮    |     | 高潮 |    | 低潮 |   | 午後高潮 |       | 低潮  |       | 高潮  |       | 低潮  |   | 高潮 |    | 低潮 |   | 氣压<br>hPa | 水温<br>℃ |    |   |   |    |   |   |    |   |   |    |   |   |    |
|----|-------|-----|-------|-----|----|----|----|---|------|-------|-----|-------|-----|-------|-----|---|----|----|----|---|-----------|---------|----|---|---|----|---|---|----|---|---|----|---|---|----|
|    | h     | m   | cm    | h   | m  | cm | h  | m | cm   | h     | m   | cm    | h   | m     | cm  | h | m  | cm | h  | m |           |         | cm | h | m | cm | h | m | cm | h | m | cm | h | m | cm |
| 1  | 08:13 | 400 | 00:57 | 180 | -  | -  | -  | - | -    | 19:20 | 387 | 13:47 | 276 | -     | -   | - | -  | -  | -  | - | -         | 1024.4  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 2  | 08:51 | 407 | 02:02 | 173 | -  | -  | -  | - | -    | 20:04 | 392 | 14:33 | 273 | -     | -   | - | -  | -  | -  | - | -         | 1018.9  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 3  | 09:39 | 410 | 02:43 | 169 | -  | -  | -  | - | -    | 20:45 | 388 | 15:19 | 272 | -     | -   | - | -  | -  | -  | - | -         | 1019.2  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 4  | 10:21 | 403 | 03:28 | 169 | -  | -  | -  | - | -    | 21:28 | 382 | 15:54 | 267 | -     | -   | - | -  | -  | -  | - | -         | 1023.7  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 5  | 10:55 | 400 | 04:07 | 175 | -  | -  | -  | - | -    | 22:16 | 377 | 16:37 | 268 | -     | -   | - | -  | -  | -  | - | -         | 1024.3  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 6  | 11:36 | 400 | 04:44 | 194 | -  | -  | -  | - | -    | 22:53 | 374 | 17:17 | 277 | -     | -   | - | -  | -  | -  | - | -         | 1017.8  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 7  | -     | -   | 05:21 | 220 | -  | -  | -  | - | -    | 12:08 | 390 | 18:14 | 269 | 23:42 | 350 | - | -  | -  | -  | - | -         | 1013.6  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 8  | -     | -   | 05:54 | 227 | -  | -  | -  | - | -    | 12:46 | 377 | 18:58 | 271 | -     | -   | - | -  | -  | -  | - | -         | 1016.8  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 9  | 00:31 | 337 | 06:43 | 244 | -  | -  | -  | - | -    | 13:28 | 358 | 20:01 | 260 | -     | -   | - | -  | -  | -  | - | -         | 1021.5  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 10 | 01:51 | 328 | 07:31 | 261 | -  | -  | -  | - | -    | 14:19 | 352 | 21:20 | 257 | -     | -   | - | -  | -  | -  | - | -         | 1023.0  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 11 | 03:28 | 322 | 08:45 | 276 | -  | -  | -  | - | -    | 15:08 | 347 | 22:21 | 250 | -     | -   | - | -  | -  | -  | - | -         | 1024.9  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 12 | 05:13 | 335 | 10:16 | 291 | -  | -  | -  | - | -    | 16:15 | 348 | 23:19 | 242 | -     | -   | - | -  | -  | -  | - | -         | 1025.7  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 13 | 06:20 | 351 | 11:37 | 293 | -  | -  | -  | - | -    | 17:15 | 351 | -     | -   | -     | -   | - | -  | -  | -  | - | -         | 1026.6  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 14 | 07:14 | 368 | 00:06 | 231 | -  | -  | -  | - | -    | 18:09 | 364 | 12:35 | 294 | -     | -   | - | -  | -  | -  | - | -         | 1024.6  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 15 | 07:44 | 390 | 00:44 | 226 | -  | -  | -  | - | -    | 18:47 | 364 | 13:29 | 288 | -     | -   | - | -  | -  | -  | - | -         | 1021.9  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 16 | 08:24 | 395 | 01:25 | 207 | -  | -  | -  | - | -    | 19:27 | 371 | 14:01 | 282 | -     | -   | - | -  | -  | -  | - | -         | 1026.8  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 17 | 08:53 | 399 | 02:00 | 194 | -  | -  | -  | - | -    | 20:05 | 379 | 14:34 | 277 | -     | -   | - | -  | -  | -  | - | -         | 1031.6  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 18 | 09:28 | 405 | 02:34 | 191 | -  | -  | -  | - | -    | 20:39 | 386 | 15:11 | 273 | -     | -   | - | -  | -  | -  | - | -         | 1028.8  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 19 | 09:58 | 418 | 03:09 | 193 | -  | -  | -  | - | -    | 21:17 | 387 | 15:50 | 282 | -     | -   | - | -  | -  | -  | - | -         | 1021.1  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 20 | 10:34 | 410 | 03:48 | 196 | -  | -  | -  | - | -    | 21:56 | 385 | 16:21 | 271 | -     | -   | - | -  | -  | -  | - | -         | 1022.1  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 21 | 11:15 | 398 | 04:30 | 194 | -  | -  | -  | - | -    | 22:42 | 381 | 16:56 | 262 | -     | -   | - | -  | -  | -  | - | -         | 1026.6  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 22 | 11:47 | 398 | 05:08 | 209 | -  | -  | -  | - | -    | 23:29 | 374 | 17:43 | 264 | -     | -   | - | -  | -  | -  | - | -         | 1025.9  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 23 | -     | -   | 05:43 | 227 | -  | -  | -  | - | -    | 12:27 | 399 | 18:35 | 268 | -     | -   | - | -  | -  | -  | - | -         | 1021.8  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 24 | 00:35 | 377 | 06:41 | 259 | -  | -  | -  | - | -    | 13:10 | 393 | 19:38 | 264 | -     | -   | - | -  | -  | -  | - | -         | 1017.5  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 25 | 01:48 | 369 | 07:30 | 287 | -  | -  | -  | - | -    | 13:55 | 394 | 20:51 | 266 | -     | -   | - | -  | -  | -  | - | -         | 1013.4  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 26 | 03:17 | 368 | 08:56 | 298 | -  | -  | -  | - | -    | 15:01 | 373 | 22:05 | 245 | -     | -   | - | -  | -  | -  | - | -         | 1016.7  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 27 | 05:04 | 366 | 10:36 | 302 | -  | -  | -  | - | -    | 16:12 | 371 | 23:20 | 231 | -     | -   | - | -  | -  | -  | - | -         | 1018.7  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 28 | 06:26 | 382 | -     | -   | -  | -  | -  | - | -    | 17:25 | 363 | 12:06 | 298 | -     | -   | - | -  | -  | -  | - | -         | 1018.1  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 29 | 07:23 | 392 | 00:18 | 208 | -  | -  | -  | - | -    | 18:20 | 371 | 12:57 | 291 | -     | -   | - | -  | -  | -  | - | -         | 1018.4  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 30 | 08:06 | 398 | 01:05 | 190 | -  | -  | -  | - | -    | 19:17 | 379 | 13:48 | 278 | -     | -   | - | -  | -  | -  | - | -         | 1021.4  | -  |   |   |    |   |   |    |   |   |    |   |   |    |
| 31 | 08:44 | 399 | 01:52 | 180 | -  | -  | -  | - | -    | 20:07 | 383 | 14:28 | 263 | -     | -   | - | -  | -  | -  | - | -         | 1021.1  | -  |   |   |    |   |   |    |   |   |    |   |   |    |

最高値  
 h m cm  
 19日 09:58 418

最低値  
 h m cm  
 3日 02:43 169  
 4日 03:28 169

驗潮記録

平成11年 2月 (1999)  
 方面：九州東岸  
 驗潮所：大分

緯度 33° 15' 46" N  
 経度 131° 41' 21" E 使用時： 135° E

自 平成11年 2月 1日  
 至 平成11年 2月 28日  
 観測者：第七管区海上保安本部水路部

| 時<br>日 | 0<br>cm | 1<br>cm | 2<br>cm | 3<br>cm | 4<br>cm | 5<br>cm | 6<br>cm | 7<br>cm | 8<br>cm | 9<br>cm | 10<br>cm | 11<br>cm | 12<br>cm | 13<br>cm | 14<br>cm | 15<br>cm | 16<br>cm | 17<br>cm | 18<br>cm | 19<br>cm | 20<br>cm | 21<br>cm | 22<br>cm | 23<br>cm | 平均<br>cm |     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
| 1      | 247     | 205     | 180     | 179     | 200     | 239     | 291     | 345     | 386     | 406     | 403      | 382      | 347      | 309      | 279      | 268      | 276      | 298      | 330      | 364      | 390      | 395      | 376      | 340      | 309.8    |     |
| 2      | 293     | 245     | 208     | 192     | 199     | 227     | 271     | 325     | 374     | 405     | 415      | 404      | 375      | 335      | 296      | 272      | 269      | 282      | 308      | 340      | 372      | 392      | 391      | 365      | 314.8    |     |
| 3      | 322     | 272     | 229     | 201     | 194     | 208     | 241     | 286     | 335     | 374     | 396      | 396      | 376      | 341      | 300      | 268      | 252      | 256      | 273      | 300      | 334      | 364      | 377      | 365      | 302.5    |     |
| 4      | 334     | 292     | 247     | 211     | 191     | 194     | 216     | 253     | 301     | 348     | 380      | 389      | 377      | 350      | 313      | 275      | 249      | 241      | 253      | 277      | 308      | 339      | 362      | 367      | 294.5    |     |
| 5      | 351     | 320     | 281     | 242     | 214     | 204     | 214     | 241     | 278     | 320     | 356      | 375      | 373      | 354      | 322      | 284      | 252      | 236      | 237      | 252      | 277      | 308      | 336      | 351      | 290.8    |     |
| 6      | 347     | 328     | 298     | 264     | 234     | 218     | 220     | 238     | 267     | 304     | 339      | 364      | 370      | 360      | 337      | 306      | 274      | 252      | 245      | 252      | 268      | 293      | 322      | 344      | 293.5    |     |
| 7      | 351     | 344     | 326     | 301     | 274     | 253     | 246     | 251     | ---     | ---     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | --- |
| 8      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | --- |
| 9      | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | --- |
| 10     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---     | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | ---      | --- |
| 11     | 265     | 280     | 300     | 320     | 337     | 349     | 354     | 349     | 336     | 324     | 315      | 311      | 309      | 312      | 320      | 331      | 337      | 336      | 326      | 310      | 289      | 267      | 249      | 239      | 311.0    |     |
| 12     | 239     | 248     | 266     | 291     | 318     | 340     | 354     | 357     | 350     | 335     | 318      | 302      | 294      | 294      | 302      | 313      | 326      | 334      | 334      | 323      | 303      | 277      | 251      | 229      | 304.1    |     |
| 13     | 217     | 218     | 232     | 258     | 292     | 325     | 351     | 363     | 363     | 350     | 327      | 302      | 283      | 276      | 280      | 293      | 312      | 333      | 346      | 345      | 330      | 303      | 270      | 236      | 300.2    |     |
| 14     | 211     | 200     | 207     | 229     | 263     | 304     | 343     | 368     | 375     | 365     | 343      | 313      | 283      | 264      | 260      | 271      | 291      | 317      | 341      | 353      | 347      | 324      | 289      | 249      | 296.3    |     |
| 15     | 212     | 189     | 184     | 199     | 230     | 274     | 321     | 358     | 378     | 379     | 362      | 331      | 294      | 265      | 253      | 259      | 277      | 306      | 338      | 363      | 371      | 356      | 323      | 281      | 296.0    |     |
| 16     | 236     | 199     | 181     | 186     | 210     | 251     | 301     | 349     | 383     | 394     | 384      | 356      | 318      | 281      | 255      | 250      | 263      | 291      | 327      | 362      | 385      | 385      | 362      | 321      | 301.3    |     |
| 17     | 273     | 227     | 194     | 184     | 197     | 229     | 276     | 329     | 375     | 401     | 403      | 383      | 348      | 305      | 268      | 250      | 253      | 274      | 307      | 346      | 381      | 397      | 389      | 358      | 306.1    |     |
| 18     | 314     | 263     | 220     | 196     | 196     | 218     | 258     | 311     | 364     | 402     | 416      | 405      | 375      | 331      | 285      | 252      | 241      | 251      | 279      | 318      | 360      | 391      | 401      | 385      | 309.7    |     |
| 19     | 350     | 304     | 255     | 218     | 203     | 210     | 236     | 277     | 326     | 370     | 396      | 397      | 376      | 340      | 295      | 255      | 232      | 230      | 247      | 277      | 317      | 356      | 382      | 385      | 301.4    |     |
| 20     | 366     | 330     | 286     | 244     | 216     | 209     | 222     | 253     | 295     | 341     | 377      | 392      | 385      | 359      | 320      | 275      | 239      | 222      | 227      | 247      | 279      | 318      | 354      | 374      | 297.1    |     |
| 21     | 372     | 351     | 317     | 277     | 242     | 222     | 223     | 240     | 270     | 308     | 346      | 372      | 378      | 365      | 335      | 295      | 255      | 227      | 216      | 222      | 242      | 274      | 311      | 342      | 291.8    |     |
| 22     | 357     | 354     | 336     | 309     | 277     | 250     | 238     | 243     | 260     | 286     | 318      | 347      | 364      | 363      | 346      | 318      | 282      | 248      | 224      | 217      | 223      | 242      | 270      | 303      | 290.6    |     |
| 23     | 330     | 344     | 345     | 333     | 313     | 290     | 271     | 264     | 269     | 282     | 301      | 324      | 344      | 354      | 350      | 335      | 310      | 281      | 254      | 234      | 227      | 231      | 246      | 271      | 296.0    |     |
| 24     | 300     | 326     | 343     | 350     | 349     | 338     | 324     | 310     | 303     | 303     | 311      | 326      | 343      | 358      | 364      | 361      | 350      | 331      | 305      | 277      | 252      | 238      | 236      | 245      | 314.3    |     |
| 25     | 263     | 289     | 316     | 338     | 352     | 356     | 351     | 338     | 322     | 309     | 302      | 302      | 307      | 318      | 331      | 342      | 346      | 340      | 325      | 303      | 278      | 254      | 238      | 234      | 310.6    |     |
| 26     | 240     | 256     | 282     | 314     | 343     | 364     | 374     | 373     | 361     | 342     | 322      | 308      | 303      | 307      | 319      | 337      | 355      | 365      | 364      | 351      | 328      | 298      | 267      | 244      | 321.5    |     |
| 27     | 234     | 238     | 255     | 283     | 319     | 353     | 376     | 385     | 380     | 363     | 336      | 309      | 289      | 282      | 286      | 299      | 317      | 337      | 351      | 350      | 332      | 303      | 269      | 234      | 311.7    |     |
| 28     | 208     | 199     | 208     | 233     | 270     | 313     | 351     | 375     | 381     | 370     | 345      | 312      | 282      | 263      | 260      | 272      | 295      | 324      | 352      | 367      | 363      | 341      | 305      | 264      | 302.2    |     |

\*:欠測データを補間した値

潮高の基準面：鍾測基点下 794.8cm

(302.8)  
 24日平均

驗潮記錄

2/2

平成11年 2月 (1999)  
 方面：九州東岸  
 驗潮所：大分

緯度 33° 15' 46" N  
 經度 131° 41' 21" E 使用時：135° E

自 平成11年 2月 1日  
 至 平成11年 2月 28日  
 觀測者：第七管区海上保安本部水路部

| 日  | 午前高潮  |      | 低潮    |      | 高潮 |      | 低潮 |      | 午後高潮  |      | 低潮    |      | 高潮 |      | 気圧<br>hPa | 水温<br>°C |
|----|-------|------|-------|------|----|------|----|------|-------|------|-------|------|----|------|-----------|----------|
|    | h     | m cm | h     | m cm | h  | m cm | h  | m cm | h     | m cm | h     | m cm | h  | m cm |           |          |
| 1  | 09:23 | 407  | 02:34 | 177  | -  | -    | -  | -    | 20:43 | 396  | 15:05 | 268  | -  | -    | 1014.6    | ----     |
| 2  | 09:58 | 415  | 03:11 | 191  | -  | -    | -  | -    | 21:28 | 395  | 15:41 | 268  | -  | -    | 1011.6    | ----     |
| 3  | 10:31 | 399  | 03:52 | 193  | -  | -    | -  | -    | 22:03 | 377  | 16:19 | 251  | -  | -    | 1014.5    | ----     |
| 4  | 10:55 | 389  | 04:23 | 190  | -  | -    | -  | -    | 22:44 | 368  | 16:52 | 241  | -  | -    | 1024.4    | ----     |
| 5  | 11:25 | 377  | 04:58 | 204  | -  | -    | -  | -    | 23:19 | 352  | 17:25 | 234  | -  | -    | 1026.8    | ----     |
| 6  | 11:52 | 371  | 05:23 | 217  | -  | -    | -  | -    | 23:58 | 351  | 17:58 | 245  | -  | -    | 1029.1    | ----     |
| 7  | -     | ---- | 06:03 | 246  | -  | -    | -  | -    | -     | ---- | -     | ---- | -  | -    | ----      | ----     |
| 8  | -     | ---- | -     | ---- | -  | -    | -  | -    | -     | ---- | -     | ---- | -  | -    | ----      | ----     |
| 9  | -     | ---- | -     | ---- | -  | -    | -  | -    | -     | ---- | -     | ---- | -  | -    | ----      | ----     |
| 10 | -     | ---- | -     | ---- | -  | -    | -  | -    | -     | ---- | -     | ---- | -  | -    | ----      | ----     |
| 11 | 06:01 | 354  | 11:57 | 309  | -  | -    | -  | -    | 16:23 | 338  | 23:32 | 238  | -  | -    | 1016.0    | ----     |
| 12 | 06:48 | 357  | -     | ---- | -  | -    | -  | -    | 17:31 | 336  | 12:30 | 293  | -  | -    | 1019.6    | ----     |
| 13 | 07:27 | 365  | 00:24 | 216  | -  | -    | -  | -    | 18:28 | 348  | 13:08 | 276  | -  | -    | 1025.6    | ----     |
| 14 | 07:56 | 375  | 01:07 | 200  | -  | -    | -  | -    | 19:11 | 354  | 13:42 | 260  | -  | -    | 1030.4    | ----     |
| 15 | 08:30 | 381  | 01:43 | 183  | -  | -    | -  | -    | 19:50 | 371  | 14:10 | 253  | -  | -    | 1031.0    | ----     |
| 16 | 09:02 | 394  | 02:19 | 180  | -  | -    | -  | -    | 20:32 | 388  | 14:47 | 249  | -  | -    | 1027.1    | ----     |
| 17 | 09:34 | 405  | 02:57 | 184  | -  | -    | -  | -    | 21:10 | 398  | 15:21 | 248  | -  | -    | 1022.3    | ----     |
| 18 | 10:03 | 416  | 03:30 | 193  | -  | -    | -  | -    | 21:52 | 401  | 16:00 | 241  | -  | -    | 1017.9    | ----     |
| 19 | 10:33 | 400  | 04:10 | 202  | -  | -    | -  | -    | 22:38 | 387  | 16:35 | 228  | -  | -    | 1020.6    | ----     |
| 20 | 11:09 | 393  | 04:51 | 208  | -  | -    | -  | -    | 23:25 | 376  | 17:17 | 221  | -  | -    | 1023.2    | ----     |
| 21 | 11:50 | 378  | 05:29 | 220  | -  | -    | -  | -    | -     | ---- | 18:07 | 216  | -  | -    | 1024.0    | ----     |
| 22 | 00:20 | 358  | 06:14 | 238  | -  | -    | -  | -    | 12:26 | 366  | 19:03 | 217  | -  | -    | 1026.0    | ----     |
| 23 | 01:32 | 346  | 07:04 | 264  | -  | -    | -  | -    | 13:14 | 354  | 20:11 | 227  | -  | -    | 1026.5    | ----     |
| 24 | 03:19 | 351  | 08:33 | 302  | -  | -    | -  | -    | 14:14 | 364  | 21:43 | 235  | -  | -    | 1017.2    | ----     |
| 25 | 04:55 | 356  | 10:31 | 301  | -  | -    | -  | -    | 15:54 | 346  | 22:57 | 234  | -  | -    | 1022.6    | ----     |
| 26 | 06:22 | 375  | -     | ---- | -  | -    | -  | -    | 17:24 | 366  | 12:04 | 303  | -  | -    | 1017.6    | ----     |
| 27 | 07:09 | 385  | 00:12 | 234  | -  | -    | -  | -    | 18:27 | 353  | 13:06 | 282  | -  | -    | 1017.8    | ----     |
| 28 | 07:49 | 382  | 01:00 | 199  | -  | -    | -  | -    | 19:20 | 368  | 13:42 | 259  | -  | -    | 1025.4    | ----     |

最高値  
 h m cm  
 18日 10:03 416

最低値  
 h m cm  
 1日 02:34 177

験 潮 記 録

平成11年 3月 (1999)  
方 面：九州東岸  
験潮所：大 分

緯 度 33° 15' 46" N  
経 度 131° 41' 21" E 使用時： 135° E

自 平成11年 3月 1日  
至 平成11年 3月 31日  
観測者：第七管区海上保安本部水路部

| 時 日 | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 平 均   |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
|     | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm    |     |
| 1   | 226 | 201 | 196 | 211 | 243 | 287 | 334 | 372 | 391 | 389 | 370 | 337 | 299 | 270 | 257 | 261 | 279 | 308 | 342 | 370 | 382 | 371 | 340 | 298 | 305.6 |     |
| 2   | 253 | 215 | 196 | 199 | 221 | 259 | 308 | 354 | 386 | 395 | 383 | 355 | 317 | 279 | 253 | 247 | 260 | 287 | 322 | 357 | 382 | 385 | 364 | 326 | 304.3 |     |
| 3   | 280 | 236 | 205 | 194 | 205 | 236 | 280 | 328 | 368 | 390 | 388 | 365 | 329 | 288 | 253 | 236 | 241 | 263 | 298 | 337 | 372 | 389 | 383 | 355 | 300.8 |     |
| 4   | 313 | 267 | 227 | 206 | 207 | 228 | 266 | 313 | 358 | 389 | 396 | 382 | 350 | 308 | 268 | 241 | 235 | 249 | 278 | 316 | 355 | 384 | 393 | 378 | 304.5 |     |
| 5   | 346 | 305 | 264 | 233 | 223 | 235 | 264 | 304 | 349 | 386 | 404 | 398 | 372 | 335 | 294 | 259 | 242 | 246 | 267 | 299 | 338 | 373 | 392 | 388 | 313.2 |     |
| 6   | 364 | 327 | 286 | 251 | 231 | 232 | 251 | 283 | 324 | 362 | 387 | 390 | 373 | 342 | 302 | 264 | 240 | 236 | 251 | 278 | 314 | 352 | 380 | 390 | 308.8 |     |
| 7   | 381 | 356 | 322 | 286 | 261 | 252 | 262 | 287 | 322 | 359 | 388 | 399 | 391 | 367 | 332 | 293 | 261 | 246 | 247 | 262 | 288 | 322 | 354 | 372 | 317.1 |     |
| 8   | 374 | 361 | 338 | 308 | 281 | 266 | 267 | 282 | 305 | 333 | 359 | 374 | 374 | 360 | 335 | 303 | 272 | 251 | 244 | 251 | 268 | 293 | 322 | 346 | 311.1 |     |
| 9   | 357 | 355 | 342 | 322 | 300 | 282 | 275 | 280 | 294 | 315 | 337 | 354 | 360 | 353 | 336 | 311 | 282 | 258 | 246 | 244 | 251 | 268 | 292 | 317 | 305.5 |     |
| 10  | 335 | 343 | 342 | 334 | 319 | 302 | 290 | 288 | 294 | 304 | 318 | 333 | 343 | 344 | 335 | 319 | 300 | 279 | 263 | 255 | 255 | 262 | 276 | 296 | 305.4 |     |
| 11  | 316 | 332 | 342 | 345 | 341 | 332 | 321 | 313 | 310 | 311 | 316 | 324 | 333 | 339 | 338 | 331 | 319 | 304 | 287 | 271 | 260 | 256 | 258 | 267 | 311.1 |     |
| 12  | 282 | 300 | 318 | 332 | 341 | 342 | 338 | 330 | 321 | 313 | 307 | 305 | 307 | 312 | 320 | 324 | 324 | 318 | 307 | 291 | 275 | 261 | 253 | 251 | 307.2 |     |
| 13  | 257 | 272 | 295 | 320 | 341 | 355 | 361 | 358 | 347 | 331 | 315 | 304 | 299 | 301 | 310 | 323 | 334 | 340 | 337 | 325 | 305 | 282 | 260 | 247 | 313.3 |     |
| 14  | 244 | 253 | 272 | 301 | 333 | 361 | 378 | 382 | 374 | 357 | 334 | 312 | 299 | 297 | 305 | 320 | 341 | 360 | 370 | 364 | 346 | 320 | 291 | 264 | 324.1 |     |
| 15  | 248 | 248 | 263 | 292 | 330 | 369 | 400 | 417 | 417 | 401 | 372 | 340 | 314 | 301 | 302 | 313 | 335 | 362 | 383 | 388 | 377 | 350 | 315 | 276 | 338.0 |     |
| 16  | 244 | 226 | 229 | 249 | 284 | 327 | 369 | 398 | 406 | 395 | 368 | 331 | 294 | 269 | 263 | 274 | 299 | 334 | 369 | 392 | 394 | 375 | 339 | 293 | 321.7 |     |
| 17  | 251 | 221 | 211 | 220 | 249 | 294 | 344 | 385 | 407 | 406 | 385 | 348 | 304 | 266 | 246 | 248 | 268 | 302 | 343 | 381 | 402 | 398 | 370 | 327 | 315.7 |     |
| 18  | 277 | 233 | 206 | 203 | 223 | 262 | 312 | 363 | 399 | 412 | 399 | 367 | 322 | 275 | 241 | 229 | 242 | 273 | 316 | 364 | 401 | 415 | 402 | 369 | 312.7 |     |
| 19  | 322 | 272 | 231 | 213 | 221 | 248 | 291 | 343 | 390 | 418 | 419 | 395 | 354 | 304 | 256 | 225 | 221 | 241 | 279 | 325 | 371 | 403 | 411 | 393 | 314.4 |     |
| 20  | 355 | 307 | 259 | 226 | 216 | 231 | 264 | 309 | 357 | 395 | 410 | 398 | 364 | 317 | 268 | 228 | 210 | 217 | 246 | 289 | 339 | 384 | 412 | 414 | 309.0 |     |
| 21  | 393 | 356 | 312 | 272 | 247 | 246 | 266 | 300 | 342 | 382 | 409 | 413 | 394 | 357 | 310 | 264 | 232 | 223 | 235 | 263 | 305 | 352 | 390 | 408 | 319.6 |     |
| 22  | 404 | 382 | 348 | 306 | 271 | 254 | 258 | 276 | 305 | 340 | 371 | 386 | 379 | 353 | 316 | 274 | 236 | 212 | 210 | 224 | 253 | 294 | 337 | 370 | 306.6 |     |
| 23  | 385 | 382 | 364 | 336 | 305 | 280 | 271 | 277 | 295 | 319 | 346 | 367 | 374 | 363 | 340 | 307 | 271 | 242 | 225 | 225 | 238 | 264 | 299 | 335 | 308.8 |     |
| 24  | 361 | 373 | 373 | 361 | 340 | 316 | 300 | 295 | 300 | 311 | 329 | 349 | 362 | 364 | 354 | 333 | 307 | 279 | 257 | 245 | 245 | 256 | 278 | 309 | 316.5 |     |
| 25  | 339 | 362 | 375 | 379 | 373 | 358 | 339 | 325 | 317 | 315 | 319 | 329 | 342 | 351 | 353 | 344 | 330 | 311 | 290 | 270 | 255 | 250 | 255 | 269 | 322.9 |     |
| 26  | 292 | 319 | 345 | 364 | 376 | 378 | 372 | 360 | 345 | 332 | 324 | 322 | 327 | 336 | 347 | 356 | 356 | 349 | 335 | 316 | 294 | 275 | 263 | 262 | 331.0 |     |
| 27  | 271 | 290 | 316 | 344 | 368 | 383 | 388 | 381 | 364 | 342 | 321 | 305 | 298 | 300 | 311 | 326 | 340 | 347 | 345 | 331 | 308 | --- | --- | --- | ---   |     |
| 28  | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---   | --- |
| 29  | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---   | --- |
| 30  | 240 | 222 | 225 | 245 | 278 | 318 | 359 | 386 | 394 | 381 | 354 | 318 | 281 | 256 | 250 | 262 | 286 | 320 | 356 | 383 | 390 | 376 | 346 | 308 | 313.9 |     |
| 31  | 268 | 238 | 227 | 236 | 262 | 299 | 341 | 377 | 394 | 389 | 366 | 331 | 292 | 257 | 239 | 243 | 264 | 297 | 337 | 374 | 395 | 393 | 373 | 337 | 313.7 |     |

\*:欠測データを補間した値

(313.4)  
28日平均

潮高の基準面：錘測基点下 794.8cm  
h m cm  
8日 13:37 794.4  
13:42 794.5  
13:47 794.3

平均 794.4

驗潮記錄

平成11年 3月 (1999)  
 方面：九州東岸  
 驗潮所：大分

緯度 33° 15' 46" N  
 經度 131° 41' 21" E 使用時： 135° E

自 平成11年 3月 1日  
 至 平成11年 3月 31日  
 觀測者：第七管区海上保安本部水路部

| 日  | 午前高潮  |      | 低潮    |      | 高潮    |     | 低潮 |   | 午後高潮  |      | 低潮    |      | 高潮 |   | 低潮    |     | 氣圧<br>hPa | 水温<br>℃ |       |
|----|-------|------|-------|------|-------|-----|----|---|-------|------|-------|------|----|---|-------|-----|-----------|---------|-------|
|    | h     | m    | cm    | h    | m     | cm  | h  | m | cm    | h    | m     | cm   | h  | m | cm    | h   |           |         | m     |
| 1  | 08:28 | 393  | 01:43 | 195  | -     | -   | -  | - | 20:02 | 382  | 14:15 | 256  | -  | - | -     | -   | 1021.0    | ----    |       |
| 2  | 08:53 | 396  | 02:23 | 194  | -     | -   | -  | - | 20:37 | 387  | 14:47 | 246  | -  | - | -     | -   | 1020.8    | ----    |       |
| 3  | 09:26 | 392  | 02:58 | 194  | -     | -   | -  | - | 21:16 | 390  | 15:20 | 235  | -  | - | -     | -   | 1020.5    | ----    |       |
| 4  | 09:47 | 397  | 03:28 | 203  | -     | -   | -  | - | 21:50 | 393  | 15:44 | 234  | -  | - | -     | -   | 1016.9    | ----    |       |
| 5  | 10:16 | 405  | 03:57 | 223  | -     | -   | -  | - | 22:22 | 394  | 16:20 | 241  | -  | - | -     | -   | 1010.1    | ----    |       |
| 6  | 10:37 | 391  | 04:28 | 229  | -     | -   | -  | - | 22:59 | 390  | 16:39 | 235  | -  | - | -     | -   | 1013.8    | ----    |       |
| 7  | 11:03 | 399  | 04:56 | 252  | -     | -   | -  | - | 23:35 | 375  | 17:28 | 244  | -  | - | -     | -   | 1008.4    | ----    |       |
| 8  | 11:30 | 376  | 05:26 | 265  | -     | -   | -  | - | -     | -    | 17:54 | 244  | -  | - | -     | -   | 1013.7    | ----    |       |
| 9  | 00:21 | 358  | 06:03 | 275  | 11:56 | 360 | -  | - | -     | -    | 18:43 | 243  | -  | - | -     | -   | 1018.3    | ----    |       |
| 10 | 01:27 | 344  | 06:41 | 287  | -     | -   | -  | - | 12:34 | 345  | 19:32 | 254  | -  | - | -     | -   | 1020.1    | ----    |       |
| 11 | 02:58 | 345  | 08:12 | 310  | -     | -   | -  | - | 13:24 | 340  | 21:14 | 255  | -  | - | -     | -   | 1019.7    | ----    |       |
| 12 | 04:44 | 343  | 11:12 | 305  | -     | -   | -  | - | 15:24 | 325  | 22:48 | 251  | -  | - | -     | -   | 1025.7    | ----    |       |
| 13 | 06:14 | 361  | -     | ---- | -     | -   | -  | - | 17:16 | 340  | 12:12 | 299  | -  | - | 23:44 | 243 | -         | 1024.2  | ----  |
| 14 | 06:51 | 382  | -     | ---- | -     | -   | -  | - | 18:10 | 370  | 12:41 | 296  | -  | - | -     | -   | -         | 1018.5  | ----  |
| 15 | 07:30 | 419  | 00:32 | 246  | -     | -   | -  | - | 18:48 | 389  | 13:30 | 300  | -  | - | -     | -   | -         | 1003.9  | ----  |
| 16 | 07:54 | 407  | 01:24 | 225  | -     | -   | -  | - | 19:35 | 396  | 13:48 | 263  | -  | - | -     | -   | -         | 1013.8  | ----  |
| 17 | 08:29 | 409  | 02:03 | 211  | -     | -   | -  | - | 20:22 | 404  | 14:26 | 244  | -  | - | -     | -   | -         | 1019.8  | ----  |
| 18 | 08:58 | 412  | 02:37 | 201  | -     | -   | -  | - | 21:00 | 415  | 14:56 | 229  | -  | - | -     | -   | -         | 1017.0  | ----  |
| 19 | 09:31 | 422  | 03:13 | 213  | -     | -   | -  | - | 21:46 | 412  | 15:38 | 219  | -  | - | -     | -   | -         | 1008.9  | ----  |
| 20 | 10:02 | 410  | 03:52 | 216  | -     | -   | -  | - | 22:35 | 416  | 16:13 | 209  | -  | - | -     | -   | -         | 1015.4  | ----  |
| 21 | 10:38 | 415  | 04:32 | 243  | -     | -   | -  | - | 23:19 | 409  | 16:53 | 223  | -  | - | -     | -   | -         | 1014.7  | ----  |
| 22 | 11:11 | 387  | 05:20 | 253  | -     | -   | -  | - | -     | -    | 17:39 | 208  | -  | - | -     | -   | -         | 1022.1  | ----  |
| 23 | 00:20 | 386  | 06:01 | 271  | 11:52 | 374 | -  | - | -     | -    | 18:32 | 223  | -  | - | -     | -   | -         | 1027.7  | ----  |
| 24 | 01:31 | 375  | 06:56 | 295  | -     | -   | -  | - | 12:38 | 365  | 19:33 | 244  | -  | - | -     | -   | -         | 1023.4  | ----  |
| 25 | 02:55 | 379  | 08:50 | 315  | -     | -   | -  | - | 13:34 | 354  | 21:01 | 250  | -  | - | -     | -   | -         | 1017.1  | ----  |
| 26 | 04:47 | 378  | 10:44 | 322  | -     | -   | -  | - | 15:34 | 357  | 22:35 | 262  | -  | - | -     | -   | -         | 1010.4  | ----  |
| 27 | 05:53 | 388  | -     | ---- | -     | -   | -  | - | 17:17 | 348  | 12:20 | 298  | -  | - | -     | -   | -         | -----   | ----- |
| 28 | -     | ---- | -     | ---- | -     | -   | -  | - | -     | ---- | -     | ---- | -  | - | -     | -   | -         | -----   | ----- |
| 29 | -     | ---- | -     | ---- | -     | -   | -  | - | 19:12 | 372  | 15:00 | 277  | -  | - | -     | -   | -         | -----   | ----- |
| 30 | 07:49 | 394  | 01:23 | 221  | -     | -   | -  | - | 19:46 | 390  | 13:47 | 250  | -  | - | -     | -   | -         | 1024.9  | ----  |
| 31 | 08:17 | 395  | 02:00 | 227  | -     | -   | -  | - | 20:28 | 397  | 14:21 | 238  | -  | - | -     | -   | -         | 1023.6  | ----  |

最高値  
h m cm  
19日 09:31 422

最低値  
h m cm  
2日 02:23 194  
3日 02:58 194

験 潮 記 録

平成11年 4月 (1999)  
方 面：九州東岸  
験潮所：大 分

緯 度 33° 15' 46" N  
経 度 131° 41' 21" E 使用時： 135° E

自 平成11年 4月 1日  
至 平成11年 4月 30日  
観測者：第七管区海上保安本部水路部

| 時<br>日 | 0<br>cm | 1<br>cm | 2<br>cm | 3<br>cm | 4<br>cm | 5<br>cm | 6<br>cm | 7<br>cm | 8<br>cm | 9<br>cm | 10<br>cm | 11<br>cm | 12<br>cm | 13<br>cm | 14<br>cm | 15<br>cm | 16<br>cm | 17<br>cm | 18<br>cm | 19<br>cm | 20<br>cm | 21<br>cm | 22<br>cm | 23<br>cm | 平 均<br>cm |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| 1      | 295     | 257     | 234     | 233     | 250     | 281     | 322     | 363     | 391     | 397     | 382      | 351      | 310      | 270      | 243      | 236      | 250      | 279      | 320      | 362      | 395      | 407      | 397      | 368      | 316.4     |
| 2      | 328     | 285     | 254     | 243     | 252     | 278     | 315     | 358     | 393     | 409     | 401      | 373      | 332      | 289      | 253      | 235      | 237      | 256      | 288      | 331      | 371      | 393      | 393      | 374      | 318.4     |
| 3      | 341     | 300     | 263     | 240     | 238     | 254     | 283     | 321     | 359     | 383     | 385      | 366      | 333      | 291      | 251      | 224      | 219      | 234      | 264      | 305      | 348      | 380      | 394      | 386      | 306.8     |
| 4      | 361     | 326     | 288     | 259     | 248     | 256     | 278     | 311     | 348     | 376     | 386      | 375      | 347      | 310      | 269      | 236      | 222      | 227      | 249      | 283      | 325      | 364      | 389      | 393      | 309.4     |
| 5      | 378     | 351     | 317     | 285     | 265     | 264     | 278     | 303     | 334     | 364     | 383      | 382      | 362      | 330      | 293      | 259      | 237      | 233      | 246      | 272      | 309      | 348      | 379      | 393      | 315.2     |
| 6      | 390     | 373     | 346     | 316     | 292     | 283     | 289     | 306     | 332     | 358     | 378      | 383      | 374      | 350      | 316      | 278      | 249      | 237      | 239      | 254      | 280      | 314      | 348      | 370      | 319.0     |
| 7      | 376     | 369     | 352     | 327     | 302     | 287     | 284     | 293     | 308     | 328     | 347      | 357      | 355      | 339      | 314      | 285      | 257      | 238      | 232      | 239      | 255      | 281      | 312      | 339      | 307.3     |
| 8      | 355     | 359     | 352     | 338     | 318     | 301     | 291     | 291     | 298     | 311     | 327      | 340      | 344      | 338      | 323      | 303      | 279      | 259      | 247      | 246      | 253      | 268      | 291      | 316      | 306.2     |
| 9      | 337     | 349     | 355     | 354     | 344     | 330     | 318     | 311     | 310     | 313     | 320      | 331      | 340      | 343      | 337      | 325      | 310      | 294      | 279      | 270      | 269      | 274      | 287      | 305      | 316.9     |
| 10     | 327     | 347     | 364     | 375     | 380     | 376     | 365     | 352     | 341     | 335     | 332      | 334      | 339      | 345      | 349      | 349      | 341      | 327      | 311      | 297      | 284      | 276      | 273      | 279      | 333.3     |
| 11     | 293     | 313     | 335     | 353     | 366     | 370     | 367     | 355     | 338     | 320     | 307      | 300      | 300      | 306      | 318      | 331      | 338      | 338      | 331      | 318      | 299      | 278      | 264      | 260      | 320.8     |
| 12     | 266     | 281     | 304     | 334     | 361     | 380     | 387     | 384     | 369     | 345     | 320      | 303      | 296      | 299      | 311      | 331      | 353      | 368      | 372      | 364      | 345      | 318      | 289      | 267      | 331.1     |
| 13     | 259     | 265     | 283     | 312     | 348     | 381     | 400     | 403     | 391     | 366     | 332      | 299      | 277      | 270      | 278      | 297      | 326      | 356      | 376      | 380      | 365      | 337      | 299      | 263      | 327.6     |
| 14     | 239     | 233     | 245     | 272     | 311     | 352     | 385     | 401     | 396     | 373     | 335      | 294      | 260      | 243      | 247      | 267      | 300      | 338      | 372      | 391      | 387      | 363      | 326      | 283      | 317.2     |
| 15     | 243     | 220     | 218     | 237     | 272     | 316     | 361     | 393     | 401     | 385     | 350      | 305      | 260      | 228      | 219      | 232      | 263      | 306      | 353      | 391      | 407      | 397      | 367      | 325      | 310.4     |
| 16     | 278     | 239     | 221     | 227     | 254     | 294     | 342     | 384     | 408     | 404     | 377      | 334      | 284      | 238      | 212      | 211      | 234      | 274      | 324      | 375      | 411      | 420      | 405      | 370      | 313.3     |
| 17     | 323     | 275     | 240     | 230     | 243     | 273     | 316     | 364     | 401     | 413     | 398      | 362      | 314      | 262      | 220      | 201      | 209      | 240      | 287      | 342      | 392      | 422      | 426      | 406      | 315.0     |
| 18     | 369     | 323     | 282     | 256     | 254     | 272     | 306     | 349     | 390     | 416     | 416      | 392      | 349      | 298      | 249      | 215      | 204      | 219      | 255      | 305      | 359      | 403      | 427      | 427      | 322.3     |
| 19     | 406     | 369     | 327     | 291     | 274     | 277     | 297     | 328     | 366     | 397     | 410      | 400      | 368      | 324      | 276      | 234      | 209      | 207      | 226      | 263      | 311      | 360      | 397      | 415      | 322.2     |
| 20     | 411     | 389     | 356     | 319     | 292     | 281     | 288     | 307     | 334     | 363     | 385      | 388      | 371      | 339      | 298      | 256      | 222      | 206      | 210      | 231      | 266      | 311      | 354      | 384      | 315.0     |
| 21     | 396     | 392     | 374     | 346     | 316     | 295     | 288     | 294     | 309     | 332     | 354      | 367      | 366      | 349      | 322      | 287      | 253      | 228      | 218      | 223      | 243      | 275      | 314      | 350      | 312.1     |
| 22     | 375     | 385     | 384     | 371     | 349     | 326     | 310     | 305     | 309     | 319     | 335      | 351      | 360      | 357      | 344      | 322      | 297      | 271      | 252      | 244      | 248      | 263      | 289      | 321      | 320.3     |
| 23     | 352     | 374     | 388     | 392     | 384     | 368     | 351     | 337     | 330     | 328     | 331      | 340      | 350      | 357      | 356      | 346      | 330      | 311      | 291      | 274      | 264      | 263      | 271      | 290      | 332.4     |
| 24     | 315     | 340     | 362     | 377     | 383     | 379     | 366     | 348     | 331     | 317     | 309      | 308      | 313      | 323      | 334      | 340      | 339      | 331      | 318      | 300      | 281      | 267      | 262      | 267      | 325.4     |
| 25     | 280     | 301     | 327     | 352     | 369     | 377     | 375     | 362     | 342     | 320     | 302      | 291      | 289      | 296      | 310      | 327      | 340      | 345      | 341      | 329      | 309      | 286      | 267      | 258      | 320.6     |
| 26     | 260     | 273     | 295     | 323     | 349     | 368     | 375     | 369     | 351     | 325     | 298      | 277      | 268      | 270      | 283      | 304      | 329      | 350      | 359      | 355      | 338      | 314      | 286      | 264      | 316.0     |
| 27     | 254     | 259     | 275     | 301     | 333     | 362     | 380     | 382     | 369     | 345     | 312      | 281      | 261      | 256      | 265      | 286      | 315      | 347      | 371      | 378      | 369      | 346      | 315      | 283      | 318.5     |
| 28     | 260     | 253     | 261     | 283     | 314     | 348     | 376     | 388     | 381     | 359     | 325      | 288      | 256      | 240      | 242      | 259      | 287      | 323      | 356      | 376      | 377      | 361      | 333      | 298      | 314.3     |
| 29     | 266     | 246     | 245     | 259     | 285     | 319     | 353     | 375     | 378     | 362     | 331      | 291      | 253      | 228      | 220      | 231      | 258      | 296      | 337      | 371      | 386      | 381      | 359      | 325      | 306.5     |
| 30     | 287     | 257     | 243     | 249     | 269     | 300     | 336     | 365     | 378     | 369     | 342      | 303      | 261      | 227      | 209      | 212      | 234      | 269      | 314      | 356      | 383      | 389      | 376      | 347      | 303.1     |

\*:欠測データを補間した値

317.1

潮高の基準面：鍾測基点下 794.8cm



驗潮記錄

平成11年 4月 (1999)  
 方面：九州東岸  
 驗潮所：大分

緯度 33° 15' 46" N  
 經度 131° 41' 21" E 使用時：135° E

自 平成11年 4月 1日  
 至 平成11年 4月 30日  
 觀測者：第七管区海上保安本部水路部

| 日  | 午前高潮  |     | 低潮    |      | 高潮    |     | 低潮 |   | 午後高潮  |      | 低潮    |     | 高潮 |   | 低潮 |   | 高潮 | 低潮 | 氣压<br>hPa | 水温<br>℃ |
|----|-------|-----|-------|------|-------|-----|----|---|-------|------|-------|-----|----|---|----|---|----|----|-----------|---------|
|    | h     | m   | cm    | h    | m     | cm  | h  | m | cm    | h    | m     | cm  | h  | m | cm | h |    |    |           |         |
| 1  | 08:47 | 397 | 02:35 | 231  | -     | -   | -  | - | 21:02 | 407  | 14:49 | 236 | -  | - | -  | - | -  | -  | 1022.7    | ----    |
| 2  | 09:10 | 409 | 03:03 | 243  | -     | -   | -  | - | 21:29 | 396  | 15:25 | 234 | -  | - | -  | - | -  | -  | 1016.3    | ----    |
| 3  | 09:36 | 386 | 03:35 | 237  | -     | -   | -  | - | 22:07 | 394  | 15:44 | 218 | -  | - | -  | - | -  | -  | 1022.8    | ----    |
| 4  | 09:57 | 386 | 04:04 | 248  | -     | -   | -  | - | 22:42 | 394  | 16:12 | 221 | -  | - | -  | - | -  | -  | 1020.8    | ----    |
| 5  | 10:26 | 385 | 04:35 | 262  | -     | -   | -  | - | 23:19 | 394  | 16:44 | 232 | -  | - | -  | - | -  | -  | 1016.6    | ----    |
| 6  | 10:54 | 383 | 05:06 | 283  | -     | -   | -  | - | 23:58 | 376  | 17:19 | 236 | -  | - | -  | - | -  | -  | 1010.9    | ----    |
| 7  | 11:19 | 358 | 05:43 | 284  | -     | -   | -  | - | -     | -    | 17:58 | 232 | -  | - | -  | - | -  | -  | 1021.3    | ----    |
| 8  | 00:51 | 359 | 06:33 | 290  | 11:56 | 344 | -  | - | -     | -    | 18:41 | 245 | -  | - | -  | - | -  | -  | 1026.3    | ----    |
| 9  | 02:21 | 355 | 07:55 | 310  | -     | -   | -  | - | 12:47 | 343  | 19:43 | 268 | -  | - | -  | - | -  | -  | 1022.8    | ----    |
| 10 | 04:05 | 380 | 10:10 | 332  | -     | -   | -  | - | 14:26 | 350  | 21:53 | 273 | -  | - | -  | - | -  | -  | 1007.1    | ----    |
| 11 | 05:06 | 370 | 11:34 | 299  | -     | -   | -  | - | 16:30 | 339  | 22:52 | 260 | -  | - | -  | - | -  | -  | 1009.9    | ----    |
| 12 | 06:13 | 387 | -     | ---- | -     | -   | -  | - | 17:49 | 372  | 12:13 | 296 | -  | - | -  | - | -  | -  | 1006.4    | ----    |
| 13 | 06:42 | 404 | 00:02 | 259  | -     | -   | -  | - | 18:41 | 381  | 12:59 | 270 | -  | - | -  | - | -  | -  | 1006.6    | ----    |
| 14 | 07:16 | 402 | 00:49 | 232  | -     | -   | -  | - | 19:22 | 392  | 13:19 | 242 | -  | - | -  | - | -  | -  | 1017.7    | ----    |
| 15 | 07:50 | 401 | 01:35 | 216  | -     | -   | -  | - | 20:05 | 407  | 13:54 | 218 | -  | - | -  | - | -  | -  | 1022.7    | ----    |
| 16 | 08:23 | 410 | 02:14 | 220  | -     | -   | -  | - | 20:52 | 420  | 14:31 | 209 | -  | - | -  | - | -  | -  | 1019.3    | ----    |
| 17 | 08:56 | 413 | 02:56 | 230  | -     | -   | -  | - | 21:41 | 427  | 15:12 | 201 | -  | - | -  | - | -  | -  | 1018.0    | ----    |
| 18 | 09:31 | 419 | 03:38 | 252  | -     | -   | -  | - | 22:32 | 430  | 15:54 | 204 | -  | - | -  | - | -  | -  | 1011.6    | ----    |
| 19 | 10:04 | 411 | 04:20 | 273  | -     | -   | -  | - | 23:18 | 416  | 16:36 | 205 | -  | - | -  | - | -  | -  | 1011.5    | ----    |
| 20 | 10:41 | 389 | 05:07 | 281  | -     | -   | -  | - | -     | ---- | 17:20 | 205 | -  | - | -  | - | -  | -  | 1017.7    | ----    |
| 21 | 00:13 | 397 | 06:02 | 288  | 11:26 | 368 | -  | - | -     | ---- | 18:09 | 218 | -  | - | -  | - | -  | -  | 1021.6    | ----    |
| 22 | 01:23 | 386 | 07:02 | 305  | -     | -   | -  | - | 12:17 | 361  | 19:13 | 244 | -  | - | -  | - | -  | -  | 1017.4    | ----    |
| 23 | 02:51 | 392 | 08:59 | 328  | -     | -   | -  | - | 13:21 | 358  | 20:38 | 262 | -  | - | -  | - | -  | -  | 1008.4    | ----    |
| 24 | 04:06 | 383 | 10:43 | 307  | -     | -   | -  | - | 15:25 | 341  | 21:58 | 262 | -  | - | -  | - | -  | -  | 1012.9    | ----    |
| 25 | 05:16 | 378 | 11:44 | 289  | -     | -   | -  | - | 17:06 | 345  | 23:19 | 257 | -  | - | -  | - | -  | -  | 1015.7    | ----    |
| 26 | 06:01 | 375 | -     | ---- | -     | -   | -  | - | 18:12 | 359  | 12:19 | 267 | -  | - | -  | - | -  | -  | 1014.9    | ----    |
| 27 | 06:38 | 383 | 00:12 | 254  | -     | -   | -  | - | 18:55 | 378  | 12:50 | 256 | -  | - | -  | - | -  | -  | 1010.5    | ----    |
| 28 | 07:09 | 388 | 00:56 | 253  | -     | -   | -  | - | 19:34 | 379  | 13:25 | 239 | -  | - | -  | - | -  | -  | 1011.2    | ----    |
| 29 | 07:39 | 379 | 01:35 | 243  | -     | -   | -  | - | 20:15 | 386  | 13:54 | 220 | -  | - | -  | - | -  | -  | 1020.3    | ----    |
| 30 | 08:06 | 378 | 02:13 | 243  | -     | -   | -  | - | 20:48 | 389  | 14:21 | 208 | -  | - | -  | - | -  | -  | 1026.2    | ----    |

最高値  
 h m cm  
 18日 22:32 430

最低値  
 h m cm  
 17日 15:12 201

験 潮 記 録

平成11年 5月 (1999)  
方 面：九州東岸  
験潮所：大 分

緯 度 33° 15' 46" N  
経 度 131° 41' 21" E 使用時： 135° E

自 平成11年 5月 1日  
至 平成11年 5月 31日  
観測者：第七管区海上保安本部水路部

| 時 日 | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 平 均   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
|     | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm    |
| 1   | 309 | 272 | 248 | 244 | 257 | 283 | 317 | 350 | 372 | 372 | 351 | 315 | 273 | 233 | 206 | 199 | 212 | 243 | 286 | 332 | 369 | 387 | 385 | 364 | 299.1 |
| 2   | 331 | 292 | 260 | 246 | 251 | 271 | 301 | 334 | 362 | 373 | 361 | 331 | 291 | 249 | 215 | 199 | 204 | 227 | 264 | 310 | 353 | 382 | 390 | 379 | 299.0 |
| 3   | 352 | 317 | 283 | 260 | 256 | 269 | 293 | 324 | 354 | 372 | 372 | 351 | 317 | 276 | 239 | 215 | 210 | 225 | 256 | 298 | 342 | 379 | 399 | 399 | 306.6 |
| 4   | 382 | 354 | 323 | 297 | 285 | 290 | 309 | 336 | 365 | 387 | 393 | 381 | 353 | 315 | 276 | 245 | 230 | 232 | 250 | 283 | 324 | 363 | 389 | 398 | 323.3 |
| 5   | 392 | 371 | 341 | 310 | 290 | 285 | 293 | 311 | 334 | 357 | 371 | 370 | 352 | 323 | 289 | 257 | 236 | 230 | 240 | 264 | 298 | 336 | 368 | 386 | 316.8 |
| 6   | 390 | 380 | 358 | 332 | 308 | 295 | 294 | 303 | 320 | 341 | 357 | 362 | 353 | 333 | 304 | 274 | 249 | 234 | 232 | 245 | 269 | 301 | 333 | 359 | 313.6 |
| 7   | 373 | 375 | 364 | 345 | 323 | 306 | 297 | 298 | 307 | 321 | 335 | 346 | 347 | 336 | 317 | 293 | 269 | 250 | 240 | 242 | 255 | 277 | 305 | 333 | 310.6 |
| 8   | 354 | 365 | 367 | 359 | 343 | 324 | 308 | 299 | 297 | 302 | 311 | 323 | 331 | 332 | 324 | 309 | 290 | 271 | 254 | 246 | 247 | 257 | 275 | 299 | 307.8 |
| 9   | 324 | 344 | 357 | 361 | 356 | 342 | 324 | 308 | 297 | 292 | 293 | 300 | 311 | 321 | 325 | 323 | 314 | 300 | 283 | 267 | 257 | 254 | 261 | 276 | 307.9 |
| 10  | 297 | 322 | 344 | 360 | 367 | 363 | 350 | 331 | 312 | 296 | 287 | 287 | 294 | 307 | 322 | 334 | 339 | 335 | 322 | 305 | 285 | 269 | 263 | 266 | 314.9 |
| 11  | 279 | 300 | 328 | 354 | 372 | 378 | 373 | 358 | 333 | 305 | 282 | 271 | 272 | 282 | 301 | 324 | 344 | 354 | 351 | 336 | 313 | 287 | 264 | 252 | 317.2 |
| 12  | 255 | 270 | 295 | 327 | 358 | 378 | 383 | 372 | 348 | 314 | 280 | 255 | 245 | 251 | 269 | 298 | 331 | 358 | 370 | 365 | 346 | 315 | 281 | 254 | 313.3 |
| 13  | 241 | 245 | 264 | 295 | 331 | 364 | 384 | 383 | 363 | 329 | 288 | 250 | 225 | 220 | 233 | 262 | 301 | 343 | 374 | 387 | 380 | 355 | 318 | 279 | 308.9 |
| 14  | 250 | 239 | 246 | 270 | 305 | 346 | 379 | 393 | 384 | 356 | 315 | 268 | 228 | 206 | 208 | 229 | 267 | 315 | 363 | 396 | 407 | 395 | 366 | 325 | 310.7 |
| 15  | 283 | 254 | 246 | 258 | 286 | 325 | 365 | 394 | 402 | 384 | 346 | 297 | 247 | 209 | 193 | 202 | 233 | 279 | 335 | 385 | 417 | 424 | 408 | 373 | 314.4 |
| 16  | 329 | 287 | 261 | 258 | 274 | 305 | 343 | 382 | 405 | 403 | 375 | 330 | 277 | 227 | 194 | 184 | 200 | 238 | 290 | 348 | 397 | 425 | 428 | 409 | 315.4 |
| 17  | 372 | 327 | 289 | 269 | 270 | 288 | 318 | 356 | 389 | 404 | 393 | 359 | 311 | 259 | 214 | 187 | 184 | 206 | 249 | 303 | 359 | 402 | 425 | 425 | 314.9 |
| 18  | 403 | 366 | 326 | 294 | 280 | 286 | 305 | 336 | 370 | 396 | 403 | 386 | 350 | 303 | 255 | 218 | 200 | 205 | 230 | 274 | 328 | 380 | 419 | 436 | 322.9 |
| 19  | 432 | 411 | 377 | 342 | 316 | 306 | 312 | 331 | 357 | 384 | 400 | 398 | 376 | 339 | 296 | 254 | 222 | 207 | 212 | 237 | 277 | 324 | 367 | 396 | 328.0 |
| 20  | 407 | 401 | 379 | 349 | 319 | 298 | 292 | 298 | 314 | 335 | 355 | 367 | 363 | 343 | 313 | 278 | 245 | 222 | 214 | 223 | 248 | 284 | 325 | 361 | 313.9 |
| 21  | 384 | 393 | 387 | 369 | 343 | 318 | 301 | 296 | 300 | 312 | 329 | 345 | 353 | 350 | 334 | 310 | 282 | 256 | 238 | 233 | 241 | 260 | 290 | 324 | 314.5 |
| 22  | 354 | 374 | 382 | 379 | 364 | 342 | 320 | 304 | 297 | 298 | 305 | 319 | 334 | 343 | 342 | 333 | 317 | 295 | 274 | 259 | 254 | 260 | 275 | 299 | 317.6 |
| 23  | 326 | 351 | 368 | 377 | 374 | 361 | 341 | 321 | 305 | 295 | 292 | 298 | 311 | 325 | 337 | 341 | 338 | 327 | 310 | 291 | 276 | 270 | 273 | 285 | 320.5 |
| 24  | 305 | 329 | 353 | 371 | 380 | 378 | 367 | 348 | 326 | 308 | 296 | 292 | 297 | 310 | 328 | 345 | 356 | 358 | 350 | 335 | 315 | 297 | 287 | 288 | 330.0 |
| 25  | 297 | 312 | 333 | 355 | 371 | 377 | 372 | 356 | 333 | 306 | 283 | 270 | 268 | 276 | 293 | 316 | 340 | 356 | 361 | 354 | 338 | 316 | 295 | 283 | 323.4 |
| 26  | 282 | 292 | 310 | 333 | 358 | 375 | 378 | 368 | 347 | 319 | 289 | 266 | 255 | 258 | 273 | 298 | 328 | 356 | 374 | 378 | 368 | 346 | 320 | 297 | 323.7 |
| 27  | 286 | 290 | 305 | 327 | 351 | 373 | 387 | 386 | 368 | 337 | 302 | 271 | 249 | 243 | 251 | 271 | 302 | 337 | 366 | 380 | 379 | 364 | 337 | 308 | 323.8 |
| 28  | 285 | 276 | 281 | 298 | 322 | 350 | 372 | 380 | 369 | 344 | 309 | 272 | 240 | 224 | 227 | 245 | 276 | 315 | 354 | 382 | 391 | 383 | 360 | 329 | 316.0 |
| 29  | 298 | 278 | 274 | 284 | 305 | 333 | 360 | 378 | 378 | 360 | 328 | 288 | 251 | 226 | 218 | 228 | 254 | 293 | 338 | 375 | 396 | 398 | 383 | 354 | 315.8 |
| 30  | 320 | 291 | 277 | 279 | 295 | 320 | 349 | 373 | 383 | 373 | 346 | 308 | 267 | 234 | 216 | 217 | 236 | 271 | 316 | 360 | 393 | 406 | 401 | 379 | 317.1 |
| 31  | 347 | 314 | 290 | 283 | 292 | 313 | 341 | 369 | 387 | 386 | 367 | 333 | 293 | 254 | 227 | 219 | 230 | 258 | 299 | 345 | 386 | 409 | 413 | 400 | 323.1 |

\*:欠測データを補間した値

315.6

潮高の基準面：鍾測基点下 794.8cm

驗潮記錄

平成11年 5月 (1999)  
 方面：九州東岸  
 驗潮所：大分

緯度 33° 15' 46" N  
 經度 131° 41' 21" E 使用時：135° E

自 平成11年 5月 1日  
 至 平成11年 5月 31日  
 觀測者：第七管区海上保安本部水路部

| 日  | 午前高潮  |      | 低潮    |      | 高潮    |      | 低潮 |      | 高潮 |      | 午後高潮 |       | 低潮  |       | 高潮  |      | 低潮 |      | 氣压<br>hPa | 水温<br>℃ |      |
|----|-------|------|-------|------|-------|------|----|------|----|------|------|-------|-----|-------|-----|------|----|------|-----------|---------|------|
|    | h     | m cm | h     | m cm | h     | m cm | h  | m cm | h  | m cm | h    | m cm  | h   | m cm  | h   | m cm | h  | m cm |           |         |      |
| 1  | 08:31 | 374  | 02:43 | 243  | -     | -    | -  | -    | -  | -    | -    | 21:24 | 388 | 14:50 | 199 | -    | -  | -    | -         | 1028.7  | ---- |
| 2  | 08:59 | 373  | 03:12 | 245  | -     | -    | -  | -    | -  | -    | -    | 21:54 | 390 | 15:16 | 199 | -    | -  | -    | -         | 1027.2  | ---- |
| 3  | 09:29 | 375  | 03:45 | 255  | -     | -    | -  | -    | -  | -    | -    | 22:31 | 401 | 15:43 | 210 | -    | -  | -    | -         | 1020.5  | ---- |
| 4  | 09:51 | 393  | 04:12 | 285  | -     | -    | -  | -    | -  | -    | -    | 23:04 | 398 | 16:25 | 229 | -    | -  | -    | -         | 1005.9  | ---- |
| 5  | 10:25 | 373  | 04:52 | 284  | -     | -    | -  | -    | -  | -    | -    | 23:47 | 391 | 16:52 | 230 | -    | -  | -    | -         | 1009.3  | ---- |
| 6  | 10:53 | 362  | 05:38 | 293  | -     | -    | -  | -    | -  | -    | -    | -     | -   | 17:35 | 231 | -    | -  | -    | -         | 1010.8  | ---- |
| 7  | 00:37 | 376  | 06:24 | 297  | 11:37 | 348  | -  | -    | -  | -    | -    | -     | -   | 18:19 | 240 | -    | -  | -    | -         | 1013.3  | ---- |
| 8  | 01:41 | 368  | 07:46 | 297  | -     | -    | -  | -    | -  | -    | -    | 12:36 | 333 | 19:24 | 245 | -    | -  | -    | -         | 1015.0  | ---- |
| 9  | 02:59 | 361  | 09:26 | 292  | -     | -    | -  | -    | -  | -    | -    | 14:09 | 325 | 20:48 | 254 | -    | -  | -    | -         | 1015.7  | ---- |
| 10 | 04:11 | 367  | 10:37 | 286  | -     | -    | -  | -    | -  | -    | -    | 16:03 | 339 | 22:10 | 263 | -    | -  | -    | -         | 1013.6  | ---- |
| 11 | 05:05 | 378  | 11:28 | 270  | -     | -    | -  | -    | -  | -    | -    | 17:17 | 354 | 23:20 | 252 | -    | -  | -    | -         | 1016.2  | ---- |
| 12 | 05:48 | 383  | -     | ---- | -     | -    | -  | -    | -  | -    | -    | 18:13 | 371 | 12:08 | 245 | -    | -  | -    | -         | 1018.0  | ---- |
| 13 | 06:29 | 386  | 00:15 | 240  | -     | -    | -  | -    | -  | -    | -    | 19:08 | 387 | 12:47 | 220 | -    | -  | -    | -         | 1016.4  | ---- |
| 14 | 07:08 | 393  | 01:04 | 239  | -     | -    | -  | -    | -  | -    | -    | 19:58 | 407 | 13:27 | 204 | -    | -  | -    | -         | 1015.2  | ---- |
| 15 | 07:47 | 402  | 01:54 | 246  | -     | -    | -  | -    | -  | -    | -    | 20:47 | 425 | 14:08 | 193 | -    | -  | -    | -         | 1013.9  | ---- |
| 16 | 08:26 | 407  | 02:40 | 257  | -     | -    | -  | -    | -  | -    | -    | 21:38 | 430 | 14:52 | 184 | -    | -  | -    | -         | 1013.0  | ---- |
| 17 | 09:06 | 404  | 03:27 | 267  | -     | -    | -  | -    | -  | -    | -    | 22:30 | 428 | 15:36 | 182 | -    | -  | -    | -         | 1014.7  | ---- |
| 18 | 09:48 | 403  | 04:13 | 280  | -     | -    | -  | -    | -  | -    | -    | 23:20 | 437 | 16:18 | 199 | -    | -  | -    | -         | 1011.5  | ---- |
| 19 | 10:26 | 402  | 05:08 | 306  | -     | -    | -  | -    | -  | -    | -    | -     | -   | 17:15 | 206 | -    | -  | -    | -         | 1004.0  | ---- |
| 20 | 00:08 | 408  | 05:57 | 292  | 11:17 | 367  | -  | -    | -  | -    | -    | -     | -   | 17:58 | 214 | -    | -  | -    | -         | 1014.5  | ---- |
| 21 | 01:06 | 393  | 07:01 | 296  | -     | -    | -  | -    | -  | -    | -    | 12:14 | 354 | 18:54 | 233 | -    | -  | -    | -         | 1019.3  | ---- |
| 22 | 02:15 | 382  | 08:26 | 296  | -     | -    | -  | -    | -  | -    | -    | 13:30 | 344 | 19:59 | 254 | -    | -  | -    | -         | 1018.9  | ---- |
| 23 | 03:16 | 377  | 09:50 | 292  | -     | -    | -  | -    | -  | -    | -    | 15:05 | 341 | 21:11 | 270 | -    | -  | -    | -         | 1015.7  | ---- |
| 24 | 04:22 | 381  | 10:58 | 292  | -     | -    | -  | -    | -  | -    | -    | 16:42 | 358 | 22:28 | 286 | -    | -  | -    | -         | 1004.0  | ---- |
| 25 | 05:02 | 377  | 11:42 | 267  | -     | -    | -  | -    | -  | -    | -    | 17:56 | 361 | 23:34 | 281 | -    | -  | -    | -         | 1008.5  | ---- |
| 26 | 05:46 | 379  | -     | ---- | -     | -    | -  | -    | -  | -    | -    | 18:48 | 378 | 12:18 | 254 | -    | -  | -    | -         | 1009.8  | ---- |
| 27 | 06:26 | 389  | 00:14 | 286  | -     | -    | -  | -    | -  | -    | -    | 19:26 | 382 | 12:57 | 243 | -    | -  | -    | -         | 1006.2  | ---- |
| 28 | 06:56 | 380  | 01:07 | 276  | -     | -    | -  | -    | -  | -    | -    | 20:00 | 391 | 13:23 | 223 | -    | -  | -    | -         | 1010.3  | ---- |
| 29 | 07:33 | 381  | 01:47 | 273  | -     | -    | -  | -    | -  | -    | -    | 20:35 | 400 | 13:55 | 218 | -    | -  | -    | -         | 1013.3  | ---- |
| 30 | 08:01 | 383  | 02:22 | 276  | -     | -    | -  | -    | -  | -    | -    | 21:12 | 406 | 14:27 | 214 | -    | -  | -    | -         | 1016.8  | ---- |
| 31 | 08:30 | 389  | 02:55 | 283  | -     | -    | -  | -    | -  | -    | -    | 21:44 | 414 | 14:55 | 218 | -    | -  | -    | -         | 1017.6  | ---- |

最高値  
 h m cm  
 18日 23:20 437

最低値  
 h m cm  
 17日 15:36 182

験 潮 記 録

平成11年 6月 (1999)  
方 面：九州東岸  
験潮所：大 分

緯 度 33° 15' 46" N  
経 度 131° 41' 21" E 使用時： 135° E

自 平成11年 6月 1日  
至 平成11年 6月 30日  
観測者：第七管区海上保安本部水路部

| 時 日 | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 平 均   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
|     | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm    |
| 1   | 373 | 339 | 309 | 293 | 293 | 307 | 330 | 359 | 382 | 392 | 381 | 353 | 315 | 275 | 241 | 223 | 224 | 244 | 278 | 323 | 369 | 403 | 418 | 415 | 326.6 |
| 2   | 396 | 366 | 333 | 309 | 300 | 307 | 325 | 350 | 376 | 393 | 392 | 374 | 341 | 302 | 265 | 238 | 227 | 235 | 261 | 300 | 345 | 384 | 410 | 417 | 331.1 |
| 3   | 407 | 384 | 353 | 325 | 308 | 306 | 316 | 335 | 360 | 381 | 390 | 381 | 357 | 323 | 287 | 255 | 235 | 233 | 248 | 277 | 317 | 358 | 390 | 408 | 330.6 |
| 4   | 410 | 395 | 370 | 341 | 318 | 306 | 308 | 320 | 340 | 361 | 376 | 378 | 363 | 337 | 304 | 272 | 246 | 234 | 237 | 256 | 286 | 323 | 359 | 385 | 326.0 |
| 5   | 397 | 394 | 377 | 351 | 325 | 307 | 299 | 302 | 314 | 331 | 349 | 360 | 358 | 343 | 319 | 290 | 262 | 243 | 236 | 242 | 261 | 290 | 324 | 356 | 317.9 |
| 6   | 377 | 384 | 379 | 363 | 340 | 316 | 300 | 293 | 295 | 306 | 322 | 338 | 348 | 347 | 335 | 315 | 291 | 268 | 252 | 248 | 255 | 273 | 300 | 332 | 315.7 |
| 7   | 361 | 380 | 387 | 382 | 367 | 345 | 323 | 305 | 296 | 295 | 303 | 317 | 333 | 344 | 346 | 339 | 325 | 304 | 283 | 267 | 261 | 266 | 280 | 302 | 321.3 |
| 8   | 329 | 355 | 374 | 382 | 379 | 364 | 341 | 316 | 296 | 284 | 282 | 289 | 304 | 323 | 340 | 350 | 349 | 338 | 320 | 299 | 281 | 271 | 272 | 284 | 321.8 |
| 9   | 305 | 332 | 359 | 378 | 385 | 380 | 362 | 334 | 304 | 279 | 265 | 263 | 272 | 292 | 318 | 344 | 362 | 366 | 357 | 339 | 314 | 290 | 275 | 273 | 322.8 |
| 10  | 284 | 305 | 332 | 361 | 383 | 391 | 382 | 360 | 329 | 294 | 265 | 250 | 250 | 265 | 291 | 326 | 360 | 382 | 389 | 381 | 361 | 331 | 301 | 282 | 327.3 |
| 11  | 279 | 290 | 312 | 343 | 374 | 397 | 402 | 388 | 359 | 320 | 280 | 249 | 234 | 238 | 259 | 294 | 338 | 378 | 404 | 411 | 401 | 375 | 340 | 308 | 332.2 |
| 12  | 287 | 283 | 295 | 320 | 351 | 383 | 402 | 403 | 382 | 345 | 300 | 256 | 225 | 213 | 222 | 250 | 294 | 344 | 388 | 415 | 421 | 408 | 378 | 339 | 329.3 |
| 13  | 305 | 284 | 283 | 298 | 325 | 360 | 391 | 407 | 400 | 371 | 328 | 278 | 233 | 203 | 196 | 211 | 246 | 296 | 352 | 399 | 425 | 428 | 411 | 379 | 325.4 |
| 14  | 338 | 304 | 286 | 287 | 304 | 332 | 366 | 395 | 406 | 392 | 357 | 309 | 258 | 214 | 187 | 185 | 206 | 247 | 301 | 358 | 403 | 427 | 427 | 406 | 320.6 |
| 15  | 370 | 330 | 298 | 284 | 289 | 309 | 339 | 373 | 399 | 405 | 388 | 350 | 301 | 251 | 211 | 191 | 194 | 219 | 263 | 319 | 373 | 413 | 432 | 429 | 322.1 |
| 16  | 407 | 370 | 332 | 305 | 295 | 302 | 322 | 351 | 382 | 404 | 404 | 381 | 342 | 295 | 250 | 216 | 201 | 210 | 240 | 286 | 340 | 390 | 424 | 438 | 328.6 |
| 17  | 430 | 405 | 370 | 337 | 314 | 308 | 318 | 339 | 367 | 393 | 407 | 402 | 378 | 341 | 298 | 257 | 230 | 221 | 233 | 263 | 307 | 355 | 396 | 422 | 337.1 |
| 18  | 429 | 418 | 392 | 358 | 329 | 312 | 311 | 322 | 341 | 365 | 387 | 395 | 385 | 361 | 327 | 290 | 257 | 236 | 233 | 247 | 275 | 314 | 356 | 390 | 334.6 |
| 19  | 409 | 412 | 399 | 375 | 346 | 322 | 309 | 308 | 317 | 332 | 353 | 370 | 376 | 366 | 344 | 316 | 287 | 262 | 247 | 247 | 262 | 287 | 320 | 354 | 330.0 |
| 20  | 380 | 392 | 391 | 377 | 353 | 327 | 306 | 295 | 293 | 300 | 314 | 332 | 347 | 353 | 348 | 334 | 313 | 291 | 272 | 263 | 265 | 277 | 298 | 326 | 322.8 |
| 21  | 354 | 373 | 381 | 378 | 364 | 343 | 319 | 299 | 289 | 286 | 292 | 304 | 322 | 338 | 346 | 346 | 337 | 323 | 305 | 291 | 284 | 286 | 296 | 313 | 323.7 |
| 22  | 335 | 357 | 372 | 378 | 375 | 362 | 343 | 321 | 303 | 291 | 286 | 291 | 304 | 322 | 339 | 352 | 357 | 354 | 343 | 328 | 313 | 303 | 302 | 310 | 330.9 |
| 23  | 324 | 342 | 361 | 377 | 382 | 377 | 364 | 345 | 323 | 303 | 289 | 285 | 291 | 306 | 327 | 349 | 367 | 376 | 375 | 367 | 352 | 336 | 325 | 322 | 340.2 |
| 24  | 328 | 341 | 357 | 376 | 390 | 393 | 386 | 371 | 348 | 323 | 300 | 287 | 283 | 289 | 305 | 329 | 356 | 377 | 387 | 386 | 375 | 358 | 339 | 325 | 346.2 |
| 25  | 320 | 326 | 339 | 359 | 379 | 392 | 393 | 381 | 359 | 331 | 302 | 278 | 266 | 268 | 281 | 304 | 336 | 367 | 389 | 399 | 396 | 381 | 358 | 335 | 343.3 |
| 26  | 321 | 318 | 325 | 340 | 360 | 379 | 390 | 387 | 370 | 343 | 311 | 281 | 260 | 252 | 258 | 279 | 312 | 351 | 384 | 405 | 410 | 400 | 380 | 354 | 340.4 |
| 27  | 332 | 322 | 323 | 333 | 351 | 372 | 389 | 393 | 383 | 359 | 325 | 289 | 259 | 242 | 240 | 254 | 281 | 320 | 360 | 391 | 408 | 407 | 390 | 363 | 336.9 |
| 28  | 334 | 313 | 304 | 309 | 325 | 348 | 371 | 387 | 388 | 371 | 340 | 302 | 266 | 239 | 228 | 235 | 257 | 294 | 338 | 380 | 408 | 417 | 408 | 385 | 331.1 |
| 29  | 354 | 325 | 307 | 307 | 320 | 343 | 369 | 392 | 404 | 398 | 373 | 337 | 296 | 261 | 240 | 237 | 251 | 282 | 325 | 370 | 407 | 427 | 427 | 410 | 340.1 |
| 30  | 380 | 347 | 320 | 307 | 311 | 326 | 349 | 375 | 395 | 399 | 383 | 351 | 310 | 269 | 238 | 223 | 228 | 252 | 290 | 336 | 379 | 410 | 422 | 415 | 334.0 |

\*:欠測データを補間した値

329.7

潮高の基準面：鍾測基点下 794.8cm  
 h m cm  
 3日 13:10 794.6  
 13:20 794.6  
 13:30 794.9

平均 794.7

驗潮記錄

平成11年 6月 (1999)  
 方面：九州東岸  
 驗潮所：大分

緯度 33° 15' 46" N  
 經度 131° 41' 21" E 使用時：135° E

自 平成11年 6月 1日  
 至 平成11年 6月 30日  
 観測者：第七管区海上保安本部水路部

| 日  | 午前高潮  |     | 低潮    |     | 高潮    |     | 低潮 |   | 午後高潮 |       | 低潮  |       | 高潮  |   | 低潮 |   | 気圧<br>hPa | 水温<br>℃ |      |
|----|-------|-----|-------|-----|-------|-----|----|---|------|-------|-----|-------|-----|---|----|---|-----------|---------|------|
|    | h     | m   | cm    | h   | m     | cm  | h  | m | cm   | h     | m   | cm    | h   | m | cm | h |           |         | m    |
| 1  | 09:01 | 392 | 03:29 | 291 | -     | -   | -  | - | -    | 22:21 | 419 | 15:27 | 221 | - | -  | - | -         | 1015.0  | ---- |
| 2  | 09:28 | 395 | 04:01 | 300 | -     | -   | -  | - | -    | 22:54 | 417 | 16:06 | 227 | - | -  | - | -         | 1011.5  | ---- |
| 3  | 10:02 | 390 | 04:41 | 305 | -     | -   | -  | - | -    | 23:36 | 411 | 16:38 | 232 | - | -  | - | -         | 1010.8  | ---- |
| 4  | 10:34 | 379 | 05:24 | 305 | -     | -   | -  | - | -    | -     | -   | 17:18 | 233 | - | -  | - | -         | 1011.7  | ---- |
| 5  | 00:18 | 398 | 06:15 | 299 | 11:23 | 361 | -  | - | -    | -     | -   | 18:03 | 236 | - | -  | - | -         | 1015.9  | ---- |
| 6  | 01:06 | 384 | 07:16 | 293 | -     | -   | -  | - | -    | 12:26 | 349 | 18:53 | 248 | - | -  | - | -         | 1015.7  | ---- |
| 7  | 02:05 | 387 | 08:36 | 294 | -     | -   | -  | - | -    | 13:40 | 347 | 20:04 | 261 | - | -  | - | -         | 1010.9  | ---- |
| 8  | 03:14 | 383 | 09:46 | 282 | -     | -   | -  | - | -    | 15:25 | 351 | 21:26 | 270 | - | -  | - | -         | 1011.3  | ---- |
| 9  | 04:04 | 385 | 10:41 | 262 | -     | -   | -  | - | -    | 16:47 | 366 | 22:36 | 272 | - | -  | - | -         | 1014.4  | ---- |
| 10 | 04:59 | 391 | 11:30 | 248 | -     | -   | -  | - | -    | 17:57 | 389 | 23:43 | 278 | - | -  | - | -         | 1015.6  | ---- |
| 11 | 05:46 | 403 | -     | -   | -     | -   | -  | - | -    | 18:53 | 411 | 12:17 | 234 | - | -  | - | -         | 1013.6  | ---- |
| 12 | 06:31 | 405 | 00:43 | 282 | -     | -   | -  | - | -    | 19:48 | 422 | 13:07 | 213 | - | -  | - | -         | 1014.9  | ---- |
| 13 | 07:14 | 407 | 01:36 | 281 | -     | -   | -  | - | -    | 20:39 | 430 | 13:49 | 195 | - | -  | - | -         | 1013.9  | ---- |
| 14 | 07:58 | 406 | 02:28 | 284 | -     | -   | -  | - | -    | 21:31 | 430 | 14:35 | 183 | - | -  | - | -         | 1011.9  | ---- |
| 15 | 08:45 | 406 | 03:14 | 283 | -     | -   | -  | - | -    | 22:24 | 434 | 15:24 | 189 | - | -  | - | -         | 1010.8  | ---- |
| 16 | 09:31 | 407 | 04:04 | 295 | -     | -   | -  | - | -    | 23:10 | 438 | 16:08 | 201 | - | -  | - | -         | 1009.3  | ---- |
| 17 | 10:18 | 408 | 04:51 | 308 | -     | -   | -  | - | -    | 23:52 | 429 | 16:54 | 221 | - | -  | - | -         | 1005.7  | ---- |
| 18 | 11:01 | 395 | 05:37 | 310 | -     | -   | -  | - | -    | -     | -   | 17:40 | 232 | - | -  | - | -         | 1008.5  | ---- |
| 19 | 00:41 | 413 | 06:36 | 307 | 11:51 | 376 | -  | - | -    | -     | -   | 18:30 | 245 | - | -  | - | -         | 1009.7  | ---- |
| 20 | 01:26 | 394 | 07:44 | 293 | -     | -   | -  | - | -    | 13:03 | 353 | 19:20 | 262 | - | -  | - | -         | 1012.9  | ---- |
| 21 | 02:14 | 381 | 08:51 | 286 | -     | -   | -  | - | -    | 14:28 | 347 | 20:18 | 283 | - | -  | - | -         | 1014.0  | ---- |
| 22 | 03:12 | 378 | 10:01 | 286 | -     | -   | -  | - | -    | 16:11 | 357 | 21:37 | 302 | - | -  | - | -         | 1013.4  | ---- |
| 23 | 04:00 | 383 | 10:52 | 285 | -     | -   | -  | - | -    | 17:28 | 377 | 22:45 | 322 | - | -  | - | -         | 1010.1  | ---- |
| 24 | 04:49 | 393 | 11:55 | 283 | -     | -   | -  | - | -    | 18:28 | 388 | 23:55 | 320 | - | -  | - | -         | 1005.5  | ---- |
| 25 | 05:33 | 395 | -     | -   | -     | -   | -  | - | -    | 19:18 | 400 | 12:26 | 265 | - | -  | - | -         | 1008.9  | ---- |
| 26 | 06:18 | 391 | 00:45 | 318 | -     | -   | -  | - | -    | 19:48 | 410 | 13:06 | 252 | - | -  | - | -         | 1012.7  | ---- |
| 27 | 06:47 | 394 | 01:26 | 321 | -     | -   | -  | - | -    | 20:29 | 410 | 13:39 | 239 | - | -  | - | -         | 1010.4  | ---- |
| 28 | 07:32 | 390 | 02:06 | 304 | -     | -   | -  | - | -    | 20:58 | 417 | 14:09 | 228 | - | -  | - | -         | 1012.4  | ---- |
| 29 | 08:13 | 404 | 02:33 | 305 | -     | -   | -  | - | -    | 21:33 | 430 | 14:41 | 236 | - | -  | - | -         | 1006.1  | ---- |
| 30 | 08:41 | 400 | 03:19 | 307 | -     | -   | -  | - | -    | 22:10 | 422 | 15:16 | 223 | - | -  | - | -         | 1010.4  | ---- |

最高値  
 h m cm  
 16日 23:10 438

最低値  
 h m cm  
 14日 14:35 183

験 潮 記 録

平成11年 7月 (1999)  
方 面：九州東岸  
験潮所：大 分

緯 度 33° 15' 46" N  
経 度 131° 41' 21" E 使用時： 135° E

自 平成11年 7月 1日  
至 平成11年 7月 31日  
観測者：第七管区海上保安本部水路部

| 時<br>日 | 0<br>cm | 1<br>cm | 2<br>cm | 3<br>cm | 4<br>cm | 5<br>cm | 6<br>cm | 7<br>cm | 8<br>cm | 9<br>cm | 10<br>cm | 11<br>cm | 12<br>cm | 13<br>cm | 14<br>cm | 15<br>cm | 16<br>cm | 17<br>cm | 18<br>cm | 19<br>cm | 20<br>cm | 21<br>cm | 22<br>cm | 23<br>cm | 平 均<br>cm |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| 1      | 393     | 360     | 328     | 307     | 303     | 313     | 332     | 357     | 381     | 395     | 390      | 367      | 331      | 290      | 253      | 229      | 224      | 237      | 265      | 306      | 353      | 393      | 416      | 421      | 331.0     |
| 2      | 407     | 380     | 346     | 319     | 305     | 306     | 319     | 343     | 371     | 393     | 399      | 388      | 360      | 323      | 283      | 251      | 233      | 234      | 253      | 287      | 330      | 373      | 405      | 420      | 334.5     |
| 3      | 416     | 397     | 367     | 335     | 311     | 302     | 307     | 322     | 346     | 371     | 387      | 388      | 371      | 341      | 305      | 269      | 242      | 233      | 240      | 263      | 299      | 340      | 378      | 403      | 330.5     |
| 4      | 411     | 402     | 379     | 348     | 320     | 301     | 297     | 305     | 323     | 347     | 369      | 381      | 377      | 359      | 331      | 298      | 268      | 248      | 245      | 257      | 282      | 317      | 355      | 386      | 329.4     |
| 5      | 404     | 406     | 393     | 368     | 338     | 311     | 296     | 294     | 303     | 320     | 343      | 364      | 374      | 370      | 354      | 329      | 301      | 275      | 261      | 260      | 272      | 295      | 326      | 359      | 329.8     |
| 6      | 385     | 399     | 398     | 384     | 359     | 330     | 305     | 290     | 287     | 295     | 311      | 333      | 353      | 365      | 365      | 354      | 334      | 310      | 288      | 275      | 275      | 285      | 305      | 332      | 329.9     |
| 7      | 361     | 384     | 395     | 393     | 378     | 352     | 323     | 298     | 283     | 278     | 284      | 300      | 324      | 347      | 364      | 369      | 363      | 348      | 327      | 306      | 292      | 290      | 297      | 314      | 332.1     |
| 8      | 337     | 362     | 383     | 392     | 389     | 372     | 347     | 316     | 289     | 272     | 266      | 272      | 288      | 315      | 343      | 366      | 378      | 378      | 367      | 348      | 326      | 309      | 302      | 306      | 334.3     |
| 9      | 320     | 340     | 365     | 385     | 394     | 388     | 370     | 343     | 310     | 280     | 260      | 254      | 261      | 280      | 311      | 346      | 376      | 394      | 398      | 389      | 368      | 343      | 321      | 311      | 337.8     |
| 10     | 312     | 323     | 344     | 369     | 390     | 400     | 393     | 372     | 340     | 303     | 269      | 247      | 240      | 248      | 272      | 309      | 351      | 388      | 411      | 417      | 408      | 384      | 354      | 328      | 340.5     |
| 11     | 314     | 313     | 325     | 346     | 372     | 395     | 404     | 396     | 371     | 334     | 292      | 255      | 231      | 225      | 238      | 269      | 313      | 362      | 403      | 428      | 434      | 422      | 394      | 359      | 341.5     |
| 12     | 329     | 314     | 314     | 328     | 351     | 379     | 403     | 412     | 400     | 370     | 329      | 283      | 244      | 220      | 217      | 235      | 271      | 320      | 373      | 416      | 441      | 444      | 428      | 396      | 342.4     |
| 13     | 358     | 328     | 314     | 317     | 333     | 360     | 392     | 416     | 421     | 405     | 371      | 326      | 278      | 238      | 218      | 219      | 243      | 285      | 338      | 391      | 431      | 451      | 450      | 429      | 346.3     |
| 14     | 393     | 355     | 327     | 316     | 321     | 340     | 370     | 402     | 423     | 424     | 403      | 365      | 318      | 270      | 234      | 219      | 227      | 255      | 300      | 353      | 403      | 438      | 452      | 444      | 348.0     |
| 15     | 418     | 380     | 343     | 320     | 314     | 324     | 347     | 378     | 408     | 423     | 418      | 393      | 353      | 306      | 262      | 233      | 224      | 237      | 269      | 315      | 366      | 410      | 436      | 442      | 346.6     |
| 16     | 428     | 397     | 359     | 326     | 309     | 308     | 322     | 346     | 377     | 403     | 414      | 404      | 377      | 337      | 293      | 255      | 233      | 231      | 248      | 283      | 328      | 374      | 409      | 427      | 341.2     |
| 17     | 425     | 405     | 371     | 335     | 308     | 297     | 300     | 316     | 342     | 371     | 393      | 398      | 385      | 358      | 321      | 283      | 254      | 240      | 245      | 266      | 301      | 344      | 383      | 409      | 335.4     |
| 18     | 417     | 409     | 386     | 354     | 324     | 303     | 297     | 304     | 321     | 346     | 370      | 386      | 387      | 373      | 348      | 315      | 284      | 263      | 258      | 268      | 290      | 324      | 360      | 391      | 336.6     |
| 19     | 407     | 408     | 394     | 369     | 338     | 312     | 298     | 295     | 303     | 320     | 343      | 365      | 377      | 376      | 363      | 341      | 315      | 292      | 279      | 279      | 291      | 311      | 339      | 368      | 336.8     |
| 20     | 389     | 397     | 392     | 377     | 352     | 324     | 302     | 291     | 291     | 298     | 314      | 335      | 354      | 365      | 365      | 357      | 342      | 323      | 307      | 299      | 302      | 314      | 332      | 353      | 336.5     |
| 21     | 374     | 388     | 390     | 383     | 367     | 345     | 321     | 302     | 292     | 290     | 297      | 311      | 330      | 347      | 358      | 362      | 359      | 349      | 335      | 323      | 316      | 318      | 326      | 340      | 338.5     |
| 22     | 356     | 371     | 379     | 379     | 371     | 355     | 335     | 313     | 295     | 285     | 284      | 291      | 306      | 324      | 343      | 357      | 365      | 366      | 359      | 348      | 336      | 329      | 328      | 332      | 337.8     |
| 23     | 342     | 356     | 369     | 378     | 377     | 369     | 353     | 332     | 310     | 291     | 279      | 276      | 282      | 297      | 319      | 343      | 363      | 376      | 380      | 375      | 363      | 348      | 337      | 332      | 339.5     |
| 24     | 334     | 341     | 354     | 369     | 379     | 380     | 371     | 354     | 332     | 307     | 285      | 273      | 271      | 278      | 297      | 325      | 354      | 378      | 391      | 395      | 388      | 371      | 351      | 335      | 342.2     |
| 25     | 327     | 328     | 336     | 350     | 367     | 379     | 380     | 369     | 349     | 323     | 294      | 270      | 257      | 256      | 268      | 292      | 326      | 360      | 386      | 400      | 403      | 391      | 370      | 345      | 338.6     |
| 26     | 328     | 321     | 324     | 336     | 354     | 373     | 386     | 385     | 369     | 345     | 313      | 281      | 257      | 248      | 254      | 274      | 307      | 347      | 385      | 411      | 423      | 419      | 402      | 376      | 342.4     |
| 27     | 351     | 334     | 330     | 340     | 361     | 385     | 405     | 414     | 407     | 386     | 351      | 311      | 275      | 252      | 246      | 259      | 288      | 328      | 371      | 406      | 427      | 430      | 415      | 389      | 352.5     |
| 28     | 357     | 331     | 318     | 320     | 334     | 357     | 382     | 402     | 408     | 394     | 364      | 325      | 284      | 252      | 235      | 238      | 259      | 295      | 341      | 387      | 420      | 434      | 427      | 405      | 344.5     |
| 29     | 371     | 336     | 312     | 306     | 315     | 335     | 362     | 390     | 407     | 405     | 383      | 347      | 304      | 263      | 235      | 225      | 237      | 266      | 308      | 356      | 399      | 425      | 431      | 416      | 338.9     |
| 30     | 387     | 349     | 317     | 300     | 300     | 314     | 339     | 370     | 398     | 410     | 400      | 372      | 331      | 286      | 248      | 226      | 225      | 243      | 278      | 324      | 373      | 411      | 428      | 423      | 335.5     |
| 31     | 401     | 366     | 329     | 301     | 291     | 297     | 317     | 347     | 380     | 404     | 409      | 393      | 360      | 317      | 275      | 244      | 231      | 238      | 263      | 303      | 351      | 396      | 424      | 431      | 336.2     |
| *      |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 338.3     |

\*:欠測データを補間した値

潮高の基準面：鍾測基点下 794.8cm

|     |       |       |
|-----|-------|-------|
| 22日 | 14:10 | 794.6 |
|     | 14:15 | 795.0 |
|     | 14:20 | 795.0 |
|     | 14:25 | 794.8 |
|     | 14:30 | 795.0 |
|     | 平均    | 794.9 |

驗潮記錄

平成11年 7月 (1999)  
 方面：九州東岸  
 驗潮所：大分

緯度 33° 15' 46" N  
 經度 131° 41' 21" E 使用時：135° E

自 平成11年 7月 1日  
 至 平成11年 7月 31日  
 觀測者：第七管区海上保安本部水路部

| 日  | 午前高潮  |     | 低潮    |     | 高潮 |    | 低潮 |   | 高潮 |   | 午後高潮  |     | 低潮    |     | 高潮 |   | 低潮 |    | 氣圧<br>hPa | 水温<br>℃ |
|----|-------|-----|-------|-----|----|----|----|---|----|---|-------|-----|-------|-----|----|---|----|----|-----------|---------|
|    | h     | m   | cm    | h   | m  | cm | h  | m | cm | h | m     | cm  | h     | m   | cm | h | m  | cm |           |         |
| 1  | 09:16 | 396 | 03:46 | 302 | -  | -  | -  | - | -  | - | 22:44 | 422 | 15:47 | 223 | -  | - | -  | -  | 1012.7    | ----    |
| 2  | 09:51 | 400 | 04:29 | 303 | -  | -  | -  | - | -  | - | 23:19 | 421 | 16:26 | 231 | -  | - | -  | -  | 1008.0    | ----    |
| 3  | 10:31 | 390 | 05:10 | 302 | -  | -  | -  | - | -  | - | 23:55 | 411 | 17:04 | 233 | -  | - | -  | -  | 1009.7    | ----    |
| 4  | 11:20 | 382 | 05:47 | 296 | -  | -  | -  | - | -  | - | -     | --- | 17:42 | 244 | -  | - | -  | -  | 1011.3    | ----    |
| 5  | 00:38 | 408 | 06:42 | 294 | -  | -  | -  | - | -  | - | 12:15 | 375 | 18:34 | 258 | -  | - | -  | -  | 1011.4    | ----    |
| 6  | 01:27 | 400 | 07:47 | 287 | -  | -  | -  | - | -  | - | 13:31 | 366 | 19:33 | 273 | -  | - | -  | -  | 1013.0    | ----    |
| 7  | 02:22 | 396 | 08:57 | 278 | -  | -  | -  | - | -  | - | 14:58 | 369 | 20:45 | 289 | -  | - | -  | -  | 1014.0    | ----    |
| 8  | 03:14 | 393 | 10:02 | 266 | -  | -  | -  | - | -  | - | 16:31 | 380 | 22:06 | 302 | -  | - | -  | -  | 1012.7    | ----    |
| 9  | 04:08 | 394 | 10:56 | 254 | -  | -  | -  | - | -  | - | 17:48 | 398 | 23:26 | 310 | -  | - | -  | -  | 1009.9    | ----    |
| 10 | 05:09 | 400 | 11:57 | 240 | -  | -  | -  | - | -  | - | 18:53 | 417 | -     | --- | -  | - | -  | -  | 1008.1    | ----    |
| 11 | 06:05 | 404 | 00:34 | 312 | -  | -  | -  | - | -  | - | 19:49 | 435 | 12:47 | 225 | -  | - | -  | -  | 1008.0    | ----    |
| 12 | 07:00 | 412 | 01:31 | 312 | -  | -  | -  | - | -  | - | 20:41 | 446 | 13:39 | 215 | -  | - | -  | -  | 1008.3    | ----    |
| 13 | 07:42 | 422 | 02:22 | 313 | -  | -  | -  | - | -  | - | 21:28 | 453 | 14:26 | 215 | -  | - | -  | -  | 1005.5    | ----    |
| 14 | 08:32 | 427 | 03:11 | 315 | -  | -  | -  | - | -  | - | 22:10 | 452 | 15:12 | 219 | -  | - | -  | -  | 1004.3    | ----    |
| 15 | 09:17 | 424 | 03:51 | 314 | -  | -  | -  | - | -  | - | 22:47 | 443 | 15:51 | 224 | -  | - | -  | -  | 1005.1    | ----    |
| 16 | 10:06 | 414 | 04:35 | 306 | -  | -  | -  | - | -  | - | 23:25 | 428 | 16:36 | 229 | -  | - | -  | -  | 1007.8    | ----    |
| 17 | 10:47 | 399 | 05:17 | 296 | -  | -  | -  | - | -  | - | 23:59 | 417 | 17:18 | 240 | -  | - | -  | -  | 1009.0    | ----    |
| 18 | 11:34 | 389 | 05:56 | 297 | -  | -  | -  | - | -  | - | -     | --- | 17:48 | 257 | -  | - | -  | -  | 1006.0    | ----    |
| 19 | 00:34 | 410 | 06:42 | 295 | -  | -  | -  | - | -  | - | 12:28 | 378 | 18:32 | 278 | -  | - | -  | -  | 1007.2    | ----    |
| 20 | 01:07 | 397 | 07:36 | 290 | -  | -  | -  | - | -  | - | 13:34 | 366 | 19:16 | 299 | -  | - | -  | -  | 1010.5    | ----    |
| 21 | 01:46 | 391 | 08:42 | 290 | -  | -  | -  | - | -  | - | 15:05 | 362 | 20:19 | 316 | -  | - | -  | -  | 1013.0    | ----    |
| 22 | 02:29 | 380 | 09:39 | 283 | -  | -  | -  | - | -  | - | 16:35 | 367 | 21:44 | 327 | -  | - | -  | -  | 1012.8    | ----    |
| 23 | 03:29 | 379 | 10:51 | 276 | -  | -  | -  | - | -  | - | 18:00 | 380 | 23:14 | 332 | -  | - | -  | -  | 1011.6    | ----    |
| 24 | 04:35 | 381 | 11:45 | 270 | -  | -  | -  | - | -  | - | 18:51 | 395 | -     | --- | -  | - | -  | -  | 1011.2    | ----    |
| 25 | 05:34 | 381 | 00:29 | 327 | -  | -  | -  | - | -  | - | 19:41 | 403 | 12:34 | 255 | -  | - | -  | -  | 1013.7    | ----    |
| 26 | 06:28 | 387 | 01:13 | 321 | -  | -  | -  | - | -  | - | 20:16 | 423 | 13:09 | 248 | -  | - | -  | -  | 1010.2    | ----    |
| 27 | 07:08 | 414 | 01:46 | 330 | -  | -  | -  | - | -  | - | 20:38 | 431 | 13:48 | 246 | -  | - | -  | -  | 1003.6    | ----    |
| 28 | 07:48 | 408 | 02:21 | 317 | -  | -  | -  | - | -  | - | 21:11 | 434 | 14:22 | 234 | -  | - | -  | -  | 1009.1    | ----    |
| 29 | 08:26 | 410 | 02:51 | 306 | -  | -  | -  | - | -  | - | 21:45 | 432 | 14:55 | 225 | -  | - | -  | -  | 1012.2    | ----    |
| 30 | 09:07 | 410 | 03:31 | 297 | -  | -  | -  | - | -  | - | 22:19 | 429 | 15:33 | 223 | -  | - | -  | -  | 1014.5    | ----    |
| 31 | 09:43 | 410 | 04:07 | 291 | -  | -  | -  | - | -  | - | 22:50 | 431 | 16:10 | 231 | -  | - | -  | -  | 1014.8    | ----    |

最高値  
 h m cm  
 13日 21:28 453

最低値  
 h m cm  
 12日 13:39 215  
 13日 14:26 215

験 潮 記 録

平成11年 8月 (1999)  
方 面：九州東岸  
験潮所：大 分

緯 度 33° 15' 46" N  
経 度 131° 41' 21" E 使用時： 135° E

自 平成11年 8月 1日  
至 平成11年 8月 31日  
観測者：第七管区海上保安本部水路部

| 時<br>日 | 0<br>cm | 1<br>cm | 2<br>cm | 3<br>cm | 4<br>cm | 5<br>cm | 6<br>cm | 7<br>cm | 8<br>cm | 9<br>cm | 10<br>cm | 11<br>cm | 12<br>cm | 13<br>cm | 14<br>cm | 15<br>cm | 16<br>cm | 17<br>cm | 18<br>cm | 19<br>cm | 20<br>cm | 21<br>cm | 22<br>cm | 23<br>cm | 平 均<br>cm |       |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------|
| 1      | 419     | 391     | 354     | 318     | 297     | 294     | 306     | 331     | 363     | 394     | 412      | 410      | 389      | 354      | 312      | 274      | 250      | 245      | 259      | 289      | 329      | 373      | 409      | 427      | 341.6     |       |
| 2      | 426     | 407     | 374     | 337     | 308     | 294     | 296     | 312     | 338     | 370     | 396      | 408      | 401      | 380      | 347      | 310      | 278      | 262      | 264      | 282      | 313      | 353      | 392      | 419      | 344.5     |       |
| 3      | 428     | 420     | 396     | 362     | 327     | 302     | 292     | 297     | 315     | 343     | 373      | 397      | 406      | 398      | 376      | 346      | 313      | 289      | 279      | 283      | 301      | 331      | 366      | 398      | 347.4     |       |
| 4      | 415     | 417     | 404     | 378     | 344     | 313     | 292     | 285     | 291     | 309     | 336      | 365      | 387      | 396      | 392      | 377      | 353      | 327      | 307      | 299      | 305      | 322      | 346      | 375      | 347.3     |       |
| 5      | 399     | 412     | 410     | 396     | 371     | 340     | 311     | 292     | 285     | 289     | 304      | 329      | 357      | 380      | 393      | 394      | 386      | 369      | 349      | 333      | 327      | 331      | 343      | 361      | 352.5     |       |
| 6      | 383     | 401     | 409     | 407     | 394     | 372     | 345     | 319     | 300     | 291     | 292      | 304      | 327      | 355      | 381      | 400      | 408      | 407      | 395      | 379      | 364      | 356      | 355      | 361      | 362.7     |       |
| 7      | 373     | 390     | 407     | 417     | 415     | 403     | 383     | 356     | 329     | 305     | 292      | 290      | 301      | 323      | 352      | 382      | 405      | 419      | 423      | 416      | 399      | 380      | 365      | 359      | 370.2     |       |
| 8      | 359     | 367     | 382     | 399     | 410     | 410     | 399     | 377     | 348     | 316     | 288      | 271      | 268      | 279      | 304      | 339      | 377      | 410      | 430      | 436      | 428      | 408      | 383      | 361      | 364.5     |       |
| 9      | 348     | 346     | 354     | 371     | 392     | 408     | 410     | 399     | 375     | 342     | 305      | 273      | 254      | 252      | 266      | 295      | 336      | 380      | 416      | 438      | 442      | 430      | 404      | 373      | 358.7     |       |
| 10     | 346     | 332     | 332     | 344     | 366     | 391     | 409     | 414     | 401     | 373     | 334      | 293      | 260      | 241      | 241      | 260      | 296      | 343      | 390      | 427      | 445      | 444      | 424      | 391      | 354.0     |       |
| 11     | 355     | 328     | 317     | 322     | 340     | 367     | 397     | 419     | 422     | 404     | 370      | 326      | 281      | 247      | 231      | 236      | 260      | 302      | 353      | 401      | 435      | 449      | 441      | 414      | 350.7     |       |
| 12     | 376     | 339     | 316     | 310     | 320     | 343     | 376     | 408     | 428     | 427     | 404      | 365      | 318      | 274      | 244      | 234      | 245      | 276      | 322      | 375      | 420      | 446      | 451      | 435      | 352.2     |       |
| 13     | 401     | 361     | 326     | 308     | 308     | 324     | 352     | 387     | 418     | 433     | 425      | 397      | 355      | 308      | 267      | 243      | 241      | 259      | 293      | 341      | 389      | 425      | 441      | 434      | 351.5     |       |
| 14     | 409     | 370     | 330     | 301     | 290     | 298     | 320     | 352     | 387     | 414     | 421      | 407      | 376      | 333      | 290      | 257      | 243      | 249      | 273      | 311      | 357      | 399      | 424      | 428      | 343.3     |       |
| 15     | 414     | 384     | 345     | 309     | 288     | 286     | 298     | 323     | 355     | 387     | 407      | 408      | 389      | 357      | 319      | 283      | 260      | 255      | 267      | 295      | 334      | 375      | 407      | 421      | 340.3     |       |
| 16     | 416     | 395     | 361     | 325     | 296     | 284     | 287     | 304     | 331     | 363     | 391      | 404      | 400      | 381      | 352      | 319      | 292      | 278      | 281      | 299      | 327      | 362      | 394      | 413      | 344.0     |       |
| 17     | 416     | 404     | 380     | 348     | 317     | 298     | 293     | 301     | 319     | 345     | 372      | 391      | 397      | 390      | 373      | 350      | 326      | 309      | 305      | 314      | 333      | 358      | 385      | 407      | 351.3     |       |
| 18     | 416     | 411     | 394     | 369     | 341     | 317     | 303     | 301     | 308     | 324     | 346      | 367      | 380      | 383      | 377      | 365      | 348      | 331      | 321      | 321      | 329      | 342      | 359      | 375      | 351.2     |       |
| 19     | 385     | 385     | 376     | 361     | 341     | 318     | 301     | 292     | 292     | 299     | 312      | 331      | 349      | 362      | 368      | 367      | 361      | 351      | 341      | 335      | 335      | 340      | 349      | 359      | 342.1     |       |
| 20     | 369     | 374     | 372     | 364     | 351     | 335     | 318     | 304     | 297     | 296     | 300      | 310      | 324      | 339      | 352      | 361      | 365      | 363      | 357      | 351      | 346      | 344      | 345      | 350      | 341.1     |       |
| 21     | 356     | 363     | 368     | 368     | 361     | 350     | 335     | 320     | 306     | 297     | 293      | 296      | 306      | 321      | 338      | 355      | 369      | 378      | 380      | 376      | 367      | 359      | 353      | 350      | 344.4     |       |
| 22     | 351     | 355     | 361     | 367     | 368     | 363     | 353     | 337     | 320     | 303     | 291      | 286      | 289      | 299      | 317      | 340      | 363      | 381      | 391      | 392      | 385      | 372      | 358      | 346      | 345.3     |       |
| 23     | 340     | 340     | 346     | 357     | 367     | 372     | 368     | 357     | 340     | 317     | 295      | 278      | 272      | 276      | 291      | 315      | 344      | 371      | 392      | 402      | 400      | 387      | 367      | 347      | 343.4     |       |
| 24     | 334     | 329     | 333     | 345     | 361     | 377     | 383     | 378     | 362     | 338     | 309      | 282      | 265      | 261      | 271      | 293      | 326      | 362      | 393      | 412      | 416      | 407      | 385      | 358      | 345.0     |       |
| 25     | 333     | 320     | 319     | 329     | 347     | 369     | 388     | 395     | 386     | 364     | 333      | 298      | 269      | 253      | 254      | 270      | 300      | 340      | 380      | 412      | 427      | 424      | 407      | 378      | 345.6     |       |
| 26     | 346     | 323     | 315     | 321     | 339     | 365     | 392     | 410     | 413     | 397     | 367      | 329      | 290      | 262      | 252      | 260      | 284      | 323      | 368      | 409      | 435      | 442      | 429      | 400      | 353.0     |       |
| 27     | 363     | 331     | 312     | 311     | 325     | 350     | 381     | 408     | 422     | 416     | 390      | 352      | 308      | 268      | 244      | 241      | 257      | 290      | 335      | 383      | 421      | 439      | 434      | 410      | 349.6     |       |
| 28     | 373     | 332     | 303     | 291     | 298     | 320     | 353     | 389     | 417     | 425     | 411      | 378      | 334      | 287      | 251      | 235      | 240      | 264      | 304      | 353      | 399      | 428      | 434      | 418      | 343.2     |       |
| 29     | 385     | 343     | 304     | 281     | 279     | 294     | 323     | 361     | 399     | 422     | 423      | 402      | 364      | 319      | 276      | 248      | 241      | 255      | 287      | 331      | 378      | 415      | 432      | 427      | 341.2     |       |
| 30     | 401     | 361     | 317     | 283     | 268     | 273     | 295     | 330     | 372     | 408     | 425      | 419      | 394      | 355      | 311      | 273      | 252      | 254      | 275      | 309      | 352      | 393      | 421      | 426      | 340.3     |       |
| 31     | 411     | 379     | 337     | 296     | 269     | 262     | 273     | 300     | 337     | 378     | 408      | 420      | 411      | 384      | 345      | 305      | 276      | 266      | 275      | 297      | 331      | 371      | 405      | 422      | 339.9     |       |
|        |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           | 348.5 |

\*:欠測データを補間した値

潮高の基準面：錘測基点下 794.8cm



驗潮記錄

平成11年 8月 (1999)  
 方面：九州東岸  
 驗潮所：大分

緯度 33° 15' 46" N  
 經度 131° 41' 21" E 使用時：135° E

自 平成11年 8月 1日  
 至 平成11年 8月 31日  
 觀測者：第七管区海上保安本部水路部

| 日  | 午前高潮  |     | 低潮    |     | 高潮  |     | 低潮  |     | 高潮  |     | 午後高潮 |       | 低潮  |       | 高潮  |     | 低潮  |     | 氣压<br>hPa | 水温<br>℃ |      |
|----|-------|-----|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-------|-----|-----|-----|-----|-----------|---------|------|
|    | h     | m   | cm    | h   | m   | cm  | h   | m   | cm  | h   | m    | cm    | h   | m     | cm  | h   | m   | cm  |           |         |      |
| 1  | 10:25 | 414 | 04:42 | 293 | --- | --- | --- | --- | --- | --- | ---  | 23:27 | 429 | 16:43 | 244 | --- | --- | --- | ---       | 1012.4  | ---- |
| 2  | 11:11 | 408 | 05:22 | 293 | --- | --- | --- | --- | --- | --- | ---  | 23:59 | 428 | 17:24 | 261 | --- | --- | --- | ---       | 1011.1  | ---- |
| 3  | ---   | --- | 06:07 | 292 | --- | --- | --- | --- | --- | --- | ---  | 12:02 | 406 | 18:13 | 278 | --- | --- | --- | ---       | 1011.1  | ---- |
| 4  | 00:37 | 418 | 07:00 | 285 | --- | --- | --- | --- | --- | --- | ---  | 13:13 | 396 | 19:04 | 299 | --- | --- | --- | ---       | 1013.3  | ---- |
| 5  | 01:24 | 413 | 08:06 | 285 | --- | --- | --- | --- | --- | --- | ---  | 14:41 | 395 | 20:04 | 327 | --- | --- | --- | ---       | 1009.6  | ---- |
| 6  | 02:18 | 410 | 09:25 | 290 | --- | --- | --- | --- | --- | --- | ---  | 16:24 | 409 | 21:38 | 355 | --- | --- | --- | ---       | 1003.6  | ---- |
| 7  | 03:23 | 418 | 10:37 | 289 | --- | --- | --- | --- | --- | --- | ---  | 17:51 | 423 | 23:25 | 358 | --- | --- | --- | ---       | 1002.0  | ---- |
| 8  | 04:31 | 412 | 11:45 | 267 | --- | --- | --- | --- | --- | --- | ---  | 18:55 | 436 | ---   | --- | --- | --- | --- | ---       | 1008.1  | ---- |
| 9  | 05:40 | 411 | 00:42 | 346 | --- | --- | --- | --- | --- | --- | ---  | 19:45 | 443 | 12:38 | 251 | --- | --- | --- | ---       | 1011.2  | ---- |
| 10 | 06:45 | 415 | 01:32 | 331 | --- | --- | --- | --- | --- | --- | ---  | 20:28 | 447 | 13:30 | 238 | --- | --- | --- | ---       | 1010.0  | ---- |
| 11 | 07:38 | 423 | 02:11 | 317 | --- | --- | --- | --- | --- | --- | ---  | 21:08 | 449 | 14:17 | 230 | --- | --- | --- | ---       | 1009.4  | ---- |
| 12 | 08:28 | 430 | 02:50 | 309 | --- | --- | --- | --- | --- | --- | ---  | 21:42 | 452 | 14:56 | 234 | --- | --- | --- | ---       | 1007.7  | ---- |
| 13 | 09:12 | 433 | 03:31 | 306 | --- | --- | --- | --- | --- | --- | ---  | 22:14 | 441 | 15:36 | 239 | --- | --- | --- | ---       | 1007.7  | ---- |
| 14 | 09:50 | 422 | 04:03 | 290 | --- | --- | --- | --- | --- | --- | ---  | 22:42 | 429 | 16:13 | 243 | --- | --- | --- | ---       | 1010.8  | ---- |
| 15 | 10:31 | 411 | 04:38 | 284 | --- | --- | --- | --- | --- | --- | ---  | 23:15 | 422 | 16:47 | 254 | --- | --- | --- | ---       | 1011.3  | ---- |
| 16 | 11:17 | 405 | 05:17 | 283 | --- | --- | --- | --- | --- | --- | ---  | 23:41 | 417 | 17:20 | 278 | --- | --- | --- | ---       | 1010.1  | ---- |
| 17 | 11:54 | 397 | 05:50 | 293 | --- | --- | --- | --- | --- | --- | ---  | ---   | --- | 17:47 | 305 | --- | --- | --- | ---       | 1007.4  | ---- |
| 18 | 00:09 | 416 | 06:47 | 301 | --- | --- | --- | --- | --- | --- | ---  | 12:48 | 383 | 18:33 | 320 | --- | --- | --- | ---       | 1009.0  | ---- |
| 19 | 00:32 | 386 | 07:33 | 291 | --- | --- | --- | --- | --- | --- | ---  | 14:32 | 368 | 19:30 | 334 | --- | --- | --- | ---       | 1013.5  | ---- |
| 20 | 01:16 | 374 | 08:48 | 296 | --- | --- | --- | --- | --- | --- | ---  | 16:13 | 365 | 21:05 | 344 | --- | --- | --- | ---       | 1013.6  | ---- |
| 21 | 02:27 | 369 | 10:10 | 293 | --- | --- | --- | --- | --- | --- | ---  | 17:50 | 380 | 23:21 | 350 | --- | --- | --- | ---       | 1014.0  | ---- |
| 22 | 03:44 | 368 | 11:09 | 286 | --- | --- | --- | --- | --- | --- | ---  | 18:40 | 393 | ---   | --- | --- | --- | --- | ---       | 1015.8  | ---- |
| 23 | 05:07 | 372 | 00:32 | 339 | --- | --- | --- | --- | --- | --- | ---  | 19:23 | 403 | 12:09 | 272 | --- | --- | --- | ---       | 1015.9  | ---- |
| 24 | 06:07 | 383 | 01:00 | 329 | --- | --- | --- | --- | --- | --- | ---  | 19:48 | 417 | 12:45 | 261 | --- | --- | --- | ---       | 1015.0  | ---- |
| 25 | 07:01 | 395 | 01:35 | 318 | --- | --- | --- | --- | --- | --- | ---  | 20:24 | 428 | 13:28 | 251 | --- | --- | --- | ---       | 1014.4  | ---- |
| 26 | 07:37 | 414 | 02:00 | 315 | --- | --- | --- | --- | --- | --- | ---  | 20:49 | 442 | 14:03 | 252 | --- | --- | --- | ---       | 1013.2  | ---- |
| 27 | 08:14 | 422 | 02:36 | 309 | --- | --- | --- | --- | --- | --- | ---  | 21:19 | 440 | 14:40 | 240 | --- | --- | --- | ---       | 1012.8  | ---- |
| 28 | 08:51 | 425 | 03:06 | 291 | --- | --- | --- | --- | --- | --- | ---  | 21:45 | 435 | 15:16 | 234 | --- | --- | --- | ---       | 1013.5  | ---- |
| 29 | 09:31 | 426 | 03:38 | 277 | --- | --- | --- | --- | --- | --- | ---  | 22:17 | 433 | 15:48 | 240 | --- | --- | --- | ---       | 1014.7  | ---- |
| 30 | 10:16 | 426 | 04:15 | 267 | --- | --- | --- | --- | --- | --- | ---  | 22:44 | 427 | 16:27 | 250 | --- | --- | --- | ---       | 1013.9  | ---- |
| 31 | 11:03 | 420 | 04:50 | 261 | --- | --- | --- | --- | --- | --- | ---  | 23:16 | 423 | 17:00 | 266 | --- | --- | --- | ---       | 1013.5  | ---- |

最高値  
 h m cm  
 12日 21:42 452

最低値  
 h m cm  
 11日 14:17 230

験 潮 記 録

平成11年 9月 (1999)  
方 面：九州東岸  
験潮所：大 分

緯 度 33° 15' 46" N  
経 度 131° 41' 21" E 使用時： 135° E

自 平成11年 9月 1日  
至 平成11年 9月 30日  
観測者：第七管区海上保安本部水路部

| 時 日 | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 平 均   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
|     | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm    |
| 1   | 417 | 393 | 358 | 317 | 281 | 261 | 260 | 275 | 303 | 340 | 376 | 400 | 406 | 395 | 371 | 339 | 307 | 287 | 284 | 295 | 317 | 348 | 380 | 403 | 338.0 |
| 2   | 410 | 399 | 375 | 342 | 305 | 276 | 261 | 262 | 277 | 303 | 337 | 368 | 389 | 395 | 388 | 370 | 345 | 321 | 307 | 306 | 314 | 332 | 355 | 377 | 338.1 |
| 3   | 391 | 392 | 381 | 359 | 330 | 298 | 273 | 261 | 261 | 273 | 294 | 323 | 352 | 373 | 383 | 383 | 373 | 356 | 339 | 327 | 324 | 328 | 339 | 354 | 336.1 |
| 4   | 369 | 379 | 378 | 369 | 351 | 327 | 301 | 279 | 265 | 262 | 269 | 286 | 312 | 339 | 364 | 380 | 388 | 386 | 375 | 360 | 346 | 338 | 335 | 338 | 337.3 |
| 5   | 345 | 357 | 369 | 374 | 369 | 355 | 335 | 311 | 288 | 271 | 264 | 266 | 280 | 303 | 334 | 363 | 387 | 400 | 403 | 395 | 377 | 358 | 343 | 335 | 340.9 |
| 6   | 334 | 341 | 355 | 371 | 382 | 382 | 372 | 352 | 326 | 297 | 273 | 259 | 259 | 272 | 297 | 331 | 367 | 397 | 414 | 417 | 405 | 383 | 357 | 335 | 344.9 |
| 7   | 323 | 321 | 331 | 349 | 370 | 386 | 392 | 383 | 361 | 329 | 294 | 265 | 248 | 248 | 264 | 294 | 335 | 377 | 410 | 426 | 424 | 407 | 378 | 344 | 344.1 |
| 8   | 318 | 307 | 311 | 326 | 351 | 379 | 400 | 406 | 392 | 364 | 327 | 286 | 253 | 238 | 242 | 264 | 301 | 348 | 392 | 423 | 434 | 425 | 399 | 362 | 343.7 |
| 9   | 326 | 301 | 294 | 304 | 328 | 361 | 394 | 416 | 419 | 400 | 365 | 322 | 278 | 247 | 236 | 248 | 277 | 321 | 370 | 413 | 438 | 440 | 421 | 386 | 346.0 |
| 10  | 345 | 309 | 290 | 291 | 309 | 340 | 379 | 414 | 433 | 429 | 403 | 362 | 315 | 273 | 249 | 247 | 265 | 300 | 347 | 395 | 430 | 443 | 434 | 405 | 350.3 |
| 11  | 364 | 322 | 291 | 281 | 291 | 317 | 354 | 394 | 426 | 437 | 424 | 392 | 348 | 302 | 266 | 250 | 256 | 282 | 322 | 368 | 410 | 434 | 435 | 415 | 349.2 |
| 12  | 379 | 335 | 297 | 275 | 274 | 291 | 323 | 363 | 402 | 426 | 429 | 409 | 374 | 331 | 289 | 262 | 257 | 272 | 303 | 343 | 385 | 417 | 429 | 418 | 345.1 |
| 13  | 389 | 349 | 308 | 278 | 266 | 273 | 297 | 332 | 373 | 406 | 422 | 416 | 394 | 359 | 320 | 287 | 271 | 275 | 296 | 328 | 367 | 401 | 420 | 419 | 343.6 |
| 14  | 399 | 366 | 326 | 291 | 271 | 269 | 284 | 312 | 348 | 385 | 410 | 418 | 408 | 384 | 352 | 321 | 300 | 295 | 307 | 331 | 363 | 396 | 420 | 427 | 349.3 |
| 15  | 416 | 390 | 354 | 316 | 287 | 275 | 278 | 294 | 321 | 355 | 385 | 402 | 402 | 388 | 363 | 334 | 309 | 296 | 298 | 311 | 332 | 358 | 381 | 393 | 343.3 |
| 16  | 390 | 373 | 347 | 316 | 287 | 269 | 264 | 273 | 292 | 319 | 347 | 371 | 383 | 382 | 369 | 349 | 328 | 313 | 309 | 314 | 327 | 345 | 364 | 378 | 333.7 |
| 17  | 380 | 372 | 355 | 331 | 306 | 286 | 275 | 276 | 286 | 304 | 327 | 350 | 367 | 375 | 374 | 365 | 351 | 335 | 326 | 324 | 328 | 337 | 350 | 363 | 335.1 |
| 18  | 370 | 370 | 362 | 347 | 329 | 309 | 294 | 286 | 285 | 291 | 304 | 323 | 341 | 357 | 367 | 371 | 368 | 361 | 352 | 346 | 343 | 344 | 347 | 353 | 338.3 |
| 19  | 359 | 363 | 362 | 354 | 342 | 328 | 312 | 299 | 292 | 290 | 293 | 303 | 319 | 336 | 353 | 366 | 374 | 376 | 372 | 364 | 355 | 347 | 342 | 340 | 339.2 |
| 20  | 342 | 348 | 354 | 357 | 354 | 346 | 334 | 321 | 307 | 295 | 289 | 289 | 297 | 314 | 334 | 355 | 373 | 385 | 390 | 385 | 372 | 357 | 344 | 334 | 340.7 |
| 21  | 331 | 334 | 343 | 354 | 361 | 363 | 357 | 343 | 324 | 304 | 286 | 276 | 276 | 286 | 306 | 332 | 360 | 383 | 396 | 396 | 386 | 368 | 346 | 326 | 339.0 |
| 22  | 315 | 313 | 322 | 338 | 356 | 370 | 374 | 366 | 348 | 323 | 295 | 272 | 262 | 264 | 280 | 307 | 341 | 374 | 398 | 408 | 404 | 386 | 358 | 329 | 337.6 |
| 23  | 308 | 301 | 306 | 322 | 347 | 372 | 389 | 392 | 380 | 355 | 322 | 287 | 262 | 253 | 262 | 285 | 321 | 363 | 402 | 425 | 429 | 415 | 387 | 353 | 343.3 |
| 24  | 323 | 308 | 310 | 326 | 360 | 394 | 430 | 450 | 451 | 440 | 415 | 367 | 306 | 259 | 247 | 262 | 293 | 336 | 380 | 415 | 431 | 424 | 398 | 358 | 361.8 |
| 25  | 315 | 283 | 271 | 280 | 304 | 339 | 377 | 409 | 422 | 412 | 381 | 337 | 291 | 254 | 237 | 241 | 264 | 303 | 351 | 396 | 424 | 428 | 409 | 372 | 337.5 |
| 26  | 326 | 285 | 260 | 258 | 275 | 308 | 351 | 393 | 423 | 429 | 411 | 374 | 326 | 280 | 249 | 241 | 254 | 285 | 330 | 379 | 418 | 435 | 427 | 397 | 338.1 |
| 27  | 353 | 303 | 265 | 249 | 256 | 282 | 323 | 372 | 415 | 440 | 438 | 414 | 373 | 325 | 283 | 258 | 256 | 276 | 311 | 356 | 399 | 428 | 433 | 413 | 342.5 |
| 28  | 375 | 327 | 280 | 249 | 241 | 255 | 286 | 332 | 381 | 420 | 436 | 428 | 401 | 360 | 315 | 281 | 267 | 274 | 297 | 332 | 373 | 408 | 424 | 416 | 339.9 |
| 29  | 389 | 348 | 301 | 261 | 239 | 239 | 257 | 292 | 339 | 385 | 417 | 427 | 418 | 394 | 357 | 319 | 293 | 287 | 298 | 322 | 354 | 388 | 412 | 417 | 339.7 |
| 30  | 403 | 374 | 334 | 292 | 260 | 246 | 250 | 271 | 305 | 347 | 386 | 410 | 417 | 408 | 385 | 353 | 323 | 306 | 303 | 313 | 332 | 357 | 382 | 396 | 339.7 |

\*:欠測データを補間した値

341.9

潮高の基準面：鍾測基点下 794.8cm

驗潮記錄

平成11年 9月 (1999)  
 方面：九州東岸  
 驗潮所：大分

緯度 33° 15' 46" N  
 經度 131° 41' 21" E 使用時： 135° E

自 平成11年 9月 1日  
 至 平成11年 9月 30日  
 觀測者：第七管区海上保安本部水路部

| 日  | 午前高潮  |      | 低潮    |     | 高潮 |    | 低潮 |   | 高潮 |   | 午後高潮 |       | 低潮  |       | 高潮   |       | 低潮  |    | 氣圧<br>hPa | 水温<br>℃ |      |
|----|-------|------|-------|-----|----|----|----|---|----|---|------|-------|-----|-------|------|-------|-----|----|-----------|---------|------|
|    | h     | m    | cm    | h   | m  | cm | h  | m | cm | h | m    | cm    | h   | m     | cm   | h     | m   | cm |           |         | h    |
| 1  | 11:49 | 407  | 05:34 | 258 | -  | -  | -  | - | -  | - | -    | 23:49 | 410 | 17:42 | 283  | -     | -   | -  | -         | 1016.2  | ---- |
| 2  | -     | ---- | 06:27 | 260 | -  | -  | -  | - | -  | - | -    | 12:55 | 395 | 18:40 | 305  | -     | -   | -  | -         | 1018.3  | ---- |
| 3  | 00:33 | 394  | 07:30 | 259 | -  | -  | -  | - | -  | - | -    | 14:29 | 384 | 19:54 | 324  | -     | -   | -  | -         | 1020.8  | ---- |
| 4  | 01:29 | 380  | 08:50 | 262 | -  | -  | -  | - | -  | - | -    | 16:20 | 388 | 21:56 | 335  | -     | -   | -  | -         | 1019.8  | ---- |
| 5  | 03:03 | 374  | 10:15 | 263 | -  | -  | -  | - | -  | - | -    | 17:46 | 404 | 23:38 | 333  | -     | -   | -  | -         | 1015.7  | ---- |
| 6  | 04:33 | 383  | 11:30 | 258 | -  | -  | -  | - | -  | - | -    | 18:39 | 418 | -     | ---- | -     | -   | -  | -         | 1012.6  | ---- |
| 7  | 05:55 | 392  | 00:36 | 320 | -  | -  | -  | - | -  | - | -    | 19:26 | 427 | 12:31 | 246  | -     | -   | -  | -         | 1012.6  | ---- |
| 8  | 06:45 | 406  | 01:13 | 307 | -  | -  | -  | - | -  | - | -    | 20:01 | 434 | 13:19 | 237  | -     | -   | -  | -         | 1013.1  | ---- |
| 9  | 07:37 | 421  | 01:53 | 294 | -  | -  | -  | - | -  | - | -    | 20:36 | 442 | 13:58 | 236  | -     | -   | -  | -         | 1012.0  | ---- |
| 10 | 08:22 | 434  | 02:28 | 288 | -  | -  | -  | - | -  | - | -    | 21:05 | 443 | 14:36 | 245  | -     | -   | -  | -         | 1009.2  | ---- |
| 11 | 08:57 | 437  | 02:57 | 281 | -  | -  | -  | - | -  | - | -    | 21:33 | 438 | 15:13 | 249  | -     | -   | -  | -         | 1007.9  | ---- |
| 12 | 09:35 | 431  | 03:34 | 271 | -  | -  | -  | - | -  | - | -    | 22:00 | 429 | 15:43 | 256  | -     | -   | -  | -         | 1010.4  | ---- |
| 13 | 10:16 | 422  | 04:05 | 266 | -  | -  | -  | - | -  | - | -    | 22:28 | 422 | 16:18 | 270  | -     | -   | -  | -         | 1012.1  | ---- |
| 14 | 10:52 | 418  | 04:37 | 268 | -  | -  | -  | - | -  | - | -    | 22:50 | 427 | 16:45 | 295  | -     | -   | -  | -         | 1007.5  | ---- |
| 15 | 11:31 | 404  | 05:19 | 274 | -  | -  | -  | - | -  | - | -    | 23:18 | 394 | 17:25 | 295  | -     | -   | -  | -         | 1007.8  | ---- |
| 16 | -     | ---- | 05:49 | 264 | -  | -  | -  | - | -  | - | -    | 12:28 | 384 | 17:55 | 309  | 23:42 | 381 | -  | -         | 1015.2  | ---- |
| 17 | -     | ---- | 06:28 | 274 | -  | -  | -  | - | -  | - | -    | 13:26 | 376 | 18:48 | 324  | -     | -   | -  | -         | 1015.7  | ---- |
| 18 | 00:28 | 371  | 07:40 | 284 | -  | -  | -  | - | -  | - | -    | 15:09 | 371 | 20:19 | 343  | -     | -   | -  | -         | 1016.5  | ---- |
| 19 | 01:18 | 363  | 08:57 | 290 | -  | -  | -  | - | -  | - | -    | 16:48 | 376 | 22:59 | 340  | -     | -   | -  | -         | 1015.6  | ---- |
| 20 | 03:08 | 357  | 10:28 | 288 | -  | -  | -  | - | -  | - | -    | 17:58 | 390 | -     | ---- | -     | -   | -  | -         | 1011.5  | ---- |
| 21 | 04:43 | 363  | 00:01 | 331 | -  | -  | -  | - | -  | - | -    | 18:34 | 398 | -     | ---- | -     | -   | -  | -         | 1010.2  | ---- |
| 22 | 05:50 | 374  | 00:39 | 312 | -  | -  | -  | - | -  | - | -    | 19:12 | 409 | 12:20 | 261  | -     | -   | -  | -         | 1011.3  | ---- |
| 23 | 06:40 | 393  | 01:05 | 301 | -  | -  | -  | - | -  | - | -    | 19:41 | 430 | 13:00 | 253  | -     | -   | -  | -         | 1011.7  | ---- |
| 24 | 07:38 | 452  | 01:25 | 307 | -  | -  | -  | - | -  | - | -    | 20:14 | 431 | 13:49 | 246  | -     | -   | -  | -         | 1001.5  | ---- |
| 25 | 08:06 | 422  | 02:01 | 271 | -  | -  | -  | - | -  | - | -    | 20:40 | 430 | 14:19 | 235  | -     | -   | -  | -         | 1016.2  | ---- |
| 26 | 08:44 | 430  | 02:37 | 256 | -  | -  | -  | - | -  | - | -    | 21:12 | 435 | 14:51 | 241  | -     | -   | -  | -         | 1021.3  | ---- |
| 27 | 09:28 | 443  | 03:12 | 249 | -  | -  | -  | - | -  | - | -    | 21:39 | 434 | 15:34 | 254  | -     | -   | -  | -         | 1022.7  | ---- |
| 28 | 10:11 | 436  | 03:49 | 241 | -  | -  | -  | - | -  | - | -    | 22:13 | 424 | 16:09 | 267  | -     | -   | -  | -         | 1021.6  | ---- |
| 29 | 10:59 | 427  | 04:32 | 236 | -  | -  | -  | - | -  | - | -    | 22:44 | 418 | 16:46 | 286  | -     | -   | -  | -         | 1019.0  | ---- |
| 30 | 11:53 | 417  | 05:15 | 245 | -  | -  | -  | - | -  | - | -    | 23:24 | 398 | 17:41 | 302  | -     | -   | -  | -         | 1019.0  | ---- |

(台風18号のため)  
 観測最高 24日 7h20m 462cm

最高値  
 h m cm  
 24日 07:38 452

最低値  
 h m cm  
 25日 14:19 235

験 潮 記 録

平成11年10月 (1999)  
 方 面：九州東岸  
 験潮所：大 分

緯 度 33° 15' 46" N  
 経 度 131° 41' 21" E 使用時： 135° E

自 平成11年10月 1日  
 至 平成11年10月 31日  
 観測者：第七管区海上保安本部水路部

| 時 日 | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 平 均   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
|     | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm    |
| 1   | 394 | 377 | 348 | 313 | 278 | 253 | 243 | 249 | 269 | 300 | 337 | 370 | 391 | 400 | 395 | 379 | 357 | 336 | 324 | 322 | 328 | 342 | 359 | 375 | 335.0 |
| 2   | 381 | 377 | 363 | 340 | 312 | 285 | 266 | 259 | 262 | 276 | 301 | 331 | 359 | 380 | 392 | 394 | 386 | 371 | 356 | 344 | 339 | 338 | 342 | 351 | 337.7 |
| 3   | 360 | 365 | 363 | 353 | 336 | 314 | 291 | 273 | 262 | 260 | 267 | 285 | 309 | 334 | 356 | 373 | 381 | 379 | 369 | 356 | 343 | 332 | 326 | 325 | 329.7 |
| 4   | 330 | 339 | 347 | 351 | 346 | 335 | 319 | 300 | 282 | 268 | 263 | 267 | 281 | 303 | 329 | 355 | 375 | 386 | 388 | 379 | 363 | 345 | 330 | 320 | 329.2 |
| 5   | 318 | 323 | 335 | 349 | 359 | 361 | 354 | 339 | 317 | 294 | 274 | 264 | 265 | 277 | 300 | 330 | 360 | 383 | 395 | 395 | 382 | 360 | 334 | 314 | 332.6 |
| 6   | 303 | 302 | 312 | 330 | 350 | 366 | 372 | 365 | 347 | 320 | 290 | 266 | 254 | 257 | 273 | 301 | 337 | 372 | 396 | 404 | 398 | 379 | 349 | 318 | 331.7 |
| 7   | 296 | 290 | 297 | 315 | 339 | 366 | 387 | 393 | 382 | 358 | 325 | 291 | 266 | 258 | 266 | 289 | 322 | 362 | 396 | 416 | 417 | 400 | 371 | 334 | 339.0 |
| 8   | 301 | 282 | 282 | 296 | 323 | 357 | 389 | 409 | 410 | 393 | 361 | 321 | 285 | 263 | 260 | 274 | 304 | 343 | 384 | 414 | 424 | 414 | 387 | 349 | 342.7 |
| 9   | 308 | 278 | 268 | 276 | 300 | 334 | 374 | 408 | 423 | 417 | 392 | 355 | 313 | 278 | 262 | 266 | 288 | 323 | 365 | 403 | 424 | 423 | 403 | 367 | 343.7 |
| 10  | 324 | 285 | 263 | 263 | 280 | 312 | 353 | 394 | 422 | 429 | 415 | 385 | 345 | 304 | 278 | 273 | 287 | 314 | 350 | 389 | 418 | 426 | 412 | 381 | 345.9 |
| 11  | 339 | 297 | 266 | 256 | 267 | 293 | 332 | 376 | 413 | 431 | 428 | 406 | 370 | 329 | 295 | 279 | 283 | 303 | 333 | 370 | 403 | 421 | 416 | 391 | 345.7 |
| 12  | 355 | 313 | 276 | 255 | 255 | 273 | 306 | 347 | 389 | 420 | 430 | 419 | 394 | 358 | 322 | 298 | 292 | 304 | 328 | 359 | 392 | 415 | 419 | 403 | 346.8 |
| 13  | 373 | 334 | 294 | 266 | 257 | 267 | 291 | 328 | 370 | 406 | 426 | 428 | 413 | 385 | 352 | 323 | 309 | 312 | 328 | 352 | 380 | 405 | 416 | 409 | 351.0 |
| 14  | 386 | 353 | 317 | 286 | 269 | 269 | 285 | 312 | 348 | 386 | 414 | 425 | 420 | 401 | 374 | 346 | 327 | 321 | 328 | 345 | 367 | 391 | 405 | 405 | 353.3 |
| 15  | 390 | 365 | 333 | 302 | 280 | 272 | 278 | 296 | 325 | 359 | 390 | 409 | 414 | 407 | 389 | 367 | 347 | 336 | 336 | 345 | 359 | 377 | 392 | 396 | 352.7 |
| 16  | 389 | 371 | 346 | 319 | 295 | 281 | 279 | 287 | 305 | 331 | 360 | 383 | 396 | 399 | 393 | 378 | 360 | 345 | 338 | 338 | 343 | 352 | 363 | 371 | 346.8 |
| 17  | 371 | 362 | 346 | 328 | 309 | 294 | 285 | 285 | 293 | 308 | 329 | 350 | 369 | 381 | 385 | 382 | 373 | 361 | 351 | 344 | 342 | 344 | 348 | 354 | 341.4 |
| 18  | 358 | 357 | 351 | 339 | 325 | 311 | 298 | 290 | 287 | 292 | 305 | 322 | 341 | 359 | 374 | 382 | 385 | 380 | 371 | 361 | 352 | 345 | 342 | 343 | 340.4 |
| 19  | 347 | 353 | 356 | 354 | 348 | 339 | 328 | 316 | 306 | 302 | 304 | 311 | 326 | 344 | 364 | 381 | 393 | 398 | 394 | 384 | 369 | 354 | 342 | 336 | 347.9 |
| 20  | 335 | 341 | 350 | 359 | 362 | 359 | 350 | 337 | 320 | 305 | 295 | 292 | 299 | 315 | 338 | 363 | 385 | 399 | 403 | 396 | 379 | 357 | 335 | 321 | 345.6 |
| 21  | 315 | 319 | 330 | 347 | 364 | 373 | 371 | 361 | 342 | 319 | 297 | 283 | 281 | 292 | 313 | 343 | 374 | 399 | 411 | 409 | 394 | 367 | 336 | 311 | 343.8 |
| 22  | 298 | 298 | 310 | 331 | 358 | 381 | 393 | 389 | 372 | 345 | 313 | 285 | 270 | 272 | 289 | 317 | 355 | 392 | 418 | 425 | 413 | 386 | 350 | 312 | 344.7 |
| 23  | 285 | 276 | 285 | 307 | 339 | 376 | 404 | 415 | 406 | 381 | 344 | 304 | 273 | 261 | 268 | 292 | 329 | 373 | 411 | 432 | 429 | 407 | 369 | 323 | 345.4 |
| 24  | 281 | 257 | 257 | 276 | 310 | 353 | 395 | 424 | 429 | 413 | 379 | 335 | 292 | 264 | 258 | 273 | 305 | 348 | 393 | 426 | 437 | 423 | 389 | 342 | 344.1 |
| 25  | 294 | 256 | 241 | 250 | 280 | 324 | 375 | 419 | 444 | 445 | 422 | 382 | 335 | 293 | 270 | 270 | 291 | 328 | 373 | 414 | 439 | 438 | 413 | 370 | 348.6 |
| 26  | 317 | 268 | 237 | 231 | 249 | 287 | 338 | 392 | 435 | 454 | 449 | 421 | 380 | 334 | 297 | 282 | 289 | 314 | 352 | 395 | 430 | 443 | 431 | 398 | 351.0 |
| 27  | 351 | 300 | 257 | 234 | 236 | 261 | 304 | 357 | 409 | 445 | 459 | 449 | 419 | 377 | 335 | 306 | 297 | 306 | 329 | 363 | 399 | 424 | 426 | 406 | 352.0 |
| 28  | 367 | 318 | 270 | 233 | 218 | 225 | 253 | 298 | 351 | 399 | 431 | 440 | 429 | 401 | 363 | 327 | 305 | 302 | 315 | 338 | 369 | 399 | 415 | 411 | 340.7 |
| 29  | 386 | 347 | 303 | 261 | 233 | 225 | 238 | 268 | 311 | 360 | 402 | 427 | 433 | 422 | 398 | 367 | 340 | 325 | 325 | 336 | 355 | 378 | 397 | 403 | 343.3 |
| 30  | 393 | 368 | 334 | 295 | 261 | 241 | 238 | 250 | 277 | 315 | 356 | 390 | 410 | 416 | 408 | 389 | 365 | 343 | 330 | 328 | 336 | 349 | 365 | 379 | 339.0 |
| 31  | 382 | 372 | 351 | 325 | 295 | 270 | 256 | 254 | 265 | 287 | 318 | 352 | 380 | 399 | 408 | 406 | 394 | 376 | 358 | 346 | 342 | 344 | 352 | 365 | 341.5 |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 343.0 |

\*:欠測データを補間した値

潮高の基準面：錘測基点下 794.8cm

驗潮記錄

2/2

平成11年10月 (1999)  
方面：九州東岸  
驗潮所：大分

緯度 33° 15' 46" N  
經度 131° 41' 21" E 使用時：135° E

自 平成11年10月 1日  
至 平成11年10月31日  
觀測者：第七管区海上保安本部水路部

| 日  | 午前高潮  |     | 低潮    |       | 高潮  |    | 低潮   |       | 午後高潮 |      | 低潮   |      | 高潮   |      | 低潮   |      | 高潮   |      | 気圧<br>hPa | 水温<br>°C |        |      |        |        |        |      |
|----|-------|-----|-------|-------|-----|----|------|-------|------|------|------|------|------|------|------|------|------|------|-----------|----------|--------|------|--------|--------|--------|------|
|    | h     | m   | cm    | h     | m   | cm | h    | m     | cm   | h    | m    | cm   | h    | m    | cm   | h    | m    | cm   |           |          |        |      |        |        |        |      |
| 1  | -     | -   | ----  | 06:08 | 243 | -  | -    | ----  | -    | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -         | ----     | 1019.9 | ---- |        |        |        |      |
| 2  | 00:09 | 382 | 07:13 | 258   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1016.0 | ----   |        |      |
| 3  | 01:14 | 366 | 08:47 | 259   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1019.0 | ----   |        |      |
| 4  | 03:01 | 351 | 10:06 | 263   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1023.1 | ----   |        |      |
| 5  | 04:44 | 362 | 11:27 | 263   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1021.0 | ----   |        |      |
| 6  | 05:58 | 372 | 00:34 | 301   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1019.0 | ----   |        |      |
| 7  | 06:51 | 393 | 00:54 | 290   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1016.1 | ----   |        |      |
| 8  | 07:33 | 412 | 01:34 | 280   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1017.1 | ----   |        |      |
| 9  | 08:14 | 424 | 01:57 | 268   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1021.4 | ----   |        |      |
| 10 | 08:47 | 430 | 02:32 | 260   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1022.3 | ----   |        |      |
| 11 | 09:21 | 432 | 02:57 | 256   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1018.8 | ----   |        |      |
| 12 | 09:56 | 430 | 03:30 | 252   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1018.9 | ----   |        |      |
| 13 | 10:36 | 430 | 03:57 | 257   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1019.5 | ----   |        |      |
| 14 | 11:11 | 425 | 04:31 | 267   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1019.7 | ----   |        |      |
| 15 | 11:52 | 414 | 05:03 | 272   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1017.9 | ----   |        |      |
| 16 | -     | -   | ----  | 05:42 | 278 | -  | -    | ----  | -    | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -         | ----     | -      | -    | ----   | 1020.7 | ----   |      |
| 17 | -     | -   | ----  | 06:32 | 284 | -  | -    | ----  | -    | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -         | ----     | -      | -    | ----   | 1023.7 | ----   |      |
| 18 | 00:22 | 359 | 07:50 | 287   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1025.4 | ----   |        |      |
| 19 | 02:12 | 356 | 09:17 | 302   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1022.2 | ----   |        |      |
| 20 | 04:06 | 362 | 10:51 | 292   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1019.5 | ----   |        |      |
| 21 | 05:24 | 373 | 00:09 | 315   | -   | -  | ---- | 11:39 | 280  | -    | -    | ---- | -    | -    | ---- | -    | -    | ---- | -         | -        | ----   | -    | -      | ----   | 1021.7 | ---- |
| 22 | 06:18 | 393 | 00:30 | 296   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1021.9 | ----   |        |      |
| 23 | 07:03 | 415 | 00:56 | 276   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1021.8 | ----   |        |      |
| 24 | 07:43 | 430 | 01:32 | 254   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1021.6 | ----   |        |      |
| 25 | 08:31 | 448 | 02:08 | 240   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1022.1 | ----   |        |      |
| 26 | 09:18 | 455 | 02:42 | 230   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1021.1 | ----   |        |      |
| 27 | 10:05 | 459 | 03:26 | 231   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1013.3 | ----   |        |      |
| 28 | 10:55 | 440 | 04:11 | 217   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1017.8 | ----   |        |      |
| 29 | 11:48 | 433 | 04:50 | 225   | -   | -  | ---- | -     | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -    | ----      | -        | -      | ---- | 1018.8 | ----   |        |      |
| 30 | -     | -   | ----  | 05:42 | 237 | -  | -    | ----  | -    | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -         | ----     | -      | -    | ----   | 1024.1 | ----   |      |
| 31 | -     | -   | ----  | 06:36 | 253 | -  | -    | ----  | -    | -    | ---- | -    | -    | ---- | -    | -    | ---- | -    | -         | ----     | -      | -    | ----   | 1021.9 | ----   |      |

最高値  
h m cm  
27日 10:05 459

最低値  
h m cm  
28日 04:11 217

験 潮 記 録

平成11年11月 (1999)  
方 面：九州東岸  
験潮所：大 分

緯 度 33° 15' 46" N  
経 度 131° 41' 21" E 使用時： 135° E

自 平成11年11月 1日  
至 平成11年11月 30日  
観測者：第七管区海上保安本部水路部

| 時 日 | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11   | 12   | 13   | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 平 均     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
|     | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm   | cm   | cm   | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm  | cm      |
| 1   | 378 | 386 | 385 | 375 | 357 | 334 | 312 | 298 | 292 | 295 | 305 | 324  | 349  | 374  | 392 | 401 | 400 | 389 | 372 | 353 | 339 | 329 | 324 | 325 | 349.5   |
| 2   | 333 | 343 | 351 | 355 | 351 | 341 | 325 | 307 | 289 | 279 | 278 | 286  | 303  | 326  | 350 | 372 | 386 | 389 | 382 | 366 | 345 | 324 | 308 | 300 | 332.9   |
| 3   | 300 | 308 | 324 | 340 | 351 | 353 | 346 | 330 | 309 | 288 | 273 | 270  | 277  | 295  | 321 | 351 | 377 | 393 | 396 | 386 | 365 | 336 | 309 | 291 | 328.7   |
| 4   | 285 | 291 | 307 | 330 | 356 | 374 | 380 | 372 | 353 | 326 | 299 | 279  | 275  | 284  | 304 | 333 | 365 | 393 | 406 | 403 | 386 | 358 | 323 | 293 | 336.5   |
| 5   | 276 | 274 | 287 | 311 | 342 | 372 | 392 | 395 | 383 | 359 | 327 | 297  | 279  | 277  | 290 | 315 | 348 | 382 | 406 | 412 | 399 | 372 | 335 | 298 | 338.7   |
| 6   | 270 | 259 | 266 | 287 | 319 | 358 | 391 | 408 | 405 | 386 | 356 | 321  | 291  | 276  | 281 | 300 | 330 | 365 | 397 | 413 | 409 | 386 | 350 | 308 | 338.8   |
| 7   | 271 | 249 | 246 | 262 | 292 | 333 | 375 | 405 | 416 | 407 | 382 | 346  | 309  | 282  | 274 | 285 | 309 | 343 | 379 | 406 | 413 | 398 | 367 | 325 | 336.4   |
| 8   | 283 | 251 | 238 | 246 | 272 | 311 | 357 | 397 | 421 | 424 | 407 | 375  | 336  | 301  | 281 | 281 | 298 | 326 | 360 | 391 | 407 | 402 | 376 | 338 | 336.6   |
| 9   | 294 | 254 | 231 | 229 | 246 | 279 | 323 | 368 | 402 | 417 | 412 | 389  | 354  | 316  | 288 | 280 | 290 | 312 | 342 | 374 | 398 | 402 | 385 | 352 | 330.7   |
| 10  | 309 | 265 | 233 | 220 | 230 | 257 | 297 | 345 | 387 | 413 | 419 | *407 | *379 | *344 | 311 | 291 | 289 | 303 | 328 | 359 | 386 | 398 | 390 | 365 | (330.2) |
| 11  | 329 | 287 | 251 | 229 | 228 | 245 | 278 | 322 | 368 | 403 | 419 | 417  | 398  | 369  | 335 | 310 | 301 | 308 | 327 | 353 | 380 | 398 | 400 | 384 | 335.0   |
| 12  | 354 | 317 | 279 | 252 | 242 | 249 | 272 | 309 | 352 | 392 | 417 | 425  | 417  | 396  | 366 | 338 | 322 | 320 | 329 | 346 | 369 | 389 | 398 | 389 | 343.3   |
| 13  | 367 | 336 | 300 | 268 | 249 | 247 | 261 | 288 | 325 | 364 | 394 | 409  | 410  | 397  | 375 | 349 | 328 | 319 | 322 | 332 | 349 | 368 | 381 | 381 | 338.3   |
| 14  | 368 | 344 | 315 | 285 | 262 | 252 | 255 | 271 | 299 | 333 | 367 | 391  | 402  | 401  | 390 | 372 | 351 | 338 | 333 | 337 | 346 | 360 | 375 | 382 | 338.7   |
| 15  | 379 | 367 | 347 | 323 | 298 | 282 | 277 | 283 | 299 | 323 | 352 | 378  | 395  | 402  | 399 | 389 | 372 | 354 | 342 | 337 | 338 | 343 | 350 | 358 | 345.3   |
| 16  | 361 | 357 | 346 | 329 | 310 | 292 | 278 | 273 | 277 | 289 | 310 | 334  | 357  | 374  | 383 | 385 | 377 | 362 | 345 | 330 | 321 | 317 | 319 | 326 | 331.3   |
| 17  | 335 | 342 | 343 | 337 | 326 | 312 | 296 | 284 | 279 | 283 | 294 | 311  | 333  | 355  | 373 | 383 | 385 | 378 | 364 | 347 | 330 | 319 | 314 | 315 | 330.8   |
| 18  | 324 | 336 | 347 | 353 | 352 | 344 | 330 | 313 | 297 | 287 | 285 | 292  | 307  | 328  | 353 | 373 | 385 | 386 | 377 | 359 | 336 | 314 | 298 | 292 | 332.0   |
| 19  | 295 | 307 | 326 | 345 | 359 | 363 | 357 | 341 | 320 | 297 | 282 | 277  | 285  | 302  | 328 | 358 | 384 | 397 | 396 | 381 | 356 | 323 | 293 | 275 | 331.1   |
| 20  | 271 | 279 | 299 | 328 | 358 | 380 | 387 | 379 | 358 | 330 | 301 | 280  | 275  | 286  | 308 | 340 | 374 | 402 | 414 | 406 | 382 | 346 | 305 | 271 | 335.8   |
| 21  | 253 | 254 | 271 | 301 | 341 | 379 | 404 | 408 | 395 | 367 | 330 | 295  | 272  | 269  | 284 | 312 | 349 | 386 | 411 | 416 | 398 | 363 | 317 | 271 | 335.3   |
| 22  | 237 | 224 | 233 | 261 | 302 | 351 | 394 | 419 | 420 | 401 | 368 | 327  | 290  | 269  | 270 | 289 | 321 | 362 | 399 | 419 | 415 | 387 | 343 | 291 | 333.0   |
| 23  | 242 | 212 | 206 | 223 | 260 | 311 | 367 | 412 | 434 | 431 | 408 | 369  | 324  | 288  | 272 | 277 | 300 | 336 | 377 | 412 | 424 | 409 | 373 | 324 | 333.0   |
| 24  | 271 | 226 | 202 | 204 | 230 | 275 | 331 | 387 | 429 | 447 | 440 | 413  | 373  | 330  | 300 | 289 | 299 | 324 | 360 | 397 | 424 | 427 | 405 | 364 | 339.5   |
| 25  | 311 | 259 | 219 | 202 | 209 | 240 | 289 | 348 | 403 | 441 | 455 | 446  | 417  | 378  | 339 | 314 | 306 | 315 | 338 | 369 | 400 | 418 | 413 | 384 | 342.2   |
| 26  | 340 | 289 | 242 | 209 | 198 | 211 | 245 | 295 | 349 | 396 | 426 | 435  | 422  | 393  | 355 | 322 | 302 | 300 | 312 | 336 | 364 | 389 | 399 | 388 | 329.9   |
| 27  | 358 | 315 | 269 | 228 | 202 | 197 | 212 | 246 | 293 | 344 | 386 | 410  | 415  | 403  | 378 | 345 | 317 | 303 | 303 | 314 | 333 | 356 | 376 | 381 | 320.2   |
| 28  | 369 | 341 | 304 | 265 | 232 | 213 | 212 | 228 | 258 | 299 | 341 | 375  | 394  | 396  | 385 | 363 | 335 | 311 | 299 | 298 | 305 | 320 | 338 | 352 | 313.9   |
| 29  | 355 | 345 | 323 | 294 | 263 | 236 | 221 | 221 | 235 | 262 | 298 | 334  | 362  | 380  | 384 | 376 | 357 | 333 | 312 | 299 | 295 | 298 | 309 | 324 | 309.0   |
| 30  | 337 | 342 | 337 | 323 | 302 | 279 | 257 | 245 | 245 | 256 | 277 | 304  | 332  | 356  | 371 | 374 | 367 | 351 | 330 | 310 | 295 | 288 | 288 | 296 | 310.9   |

\*:欠測データを補間した値

332.9

潮高の基準面：鍾測基点下 794.8cm

| 時 日       | h | m  | cm |
|-----------|---|----|----|
| 12日 10:50 | 7 | 94 | .9 |
| 10:55     | 7 | 94 | .8 |
| 11:00     | 7 | 94 | .7 |
| 11:05     | 7 | 94 | .9 |
| 11:10     | 7 | 94 | .8 |
| 平均        | 7 | 94 | .8 |

驗潮記錄

2/2

平成11年11月 (1999)  
 方面：九州東岸  
 驗潮所：大分

緯度 33° 15' 46" N  
 經度 131° 41' 21" E 使用時：135° E

自 平成11年11月 1日  
 至 平成11年11月30日  
 觀測者：第七管区海上保安本部水路部

| 日  | 午前高潮  |      | 低潮    |     | 高潮 |    | 低潮 |       | 午後高潮 |       | 低潮  |       | 高潮  |       | 低潮  |   | 氣压<br>hPa | 水温<br>℃ |      |
|----|-------|------|-------|-----|----|----|----|-------|------|-------|-----|-------|-----|-------|-----|---|-----------|---------|------|
|    | h     | m    | cm    | h   | m  | cm | h  | m     | cm   | h     | m   | cm    | h   | m     | cm  | h |           |         | m    |
| 1  | 01:24 | 386  | 08:12 | 292 | -  | -  | -  | -     | -    | 15:28 | 402 | 22:17 | 324 | -     | -   | - | -         | 1011.1  | ---- |
| 2  | 03:00 | 355  | 09:37 | 277 | -  | -  | -  | -     | -    | 16:50 | 389 | 23:30 | 299 | -     | -   | - | -         | 1020.4  | ---- |
| 3  | 04:41 | 354  | 10:49 | 269 | -  | -  | -  | -     | -    | 17:46 | 396 | -     | -   | -     | -   | - | -         | 1024.9  | ---- |
| 4  | 05:56 | 380  | 00:01 | 285 | -  | -  | -  | 11:51 | 274  | -     | -   | -     | -   | -     | -   | - | -         | 1025.4  | ---- |
| 5  | 06:42 | 396  | 00:35 | 273 | -  | -  | -  | -     | -    | 18:50 | 412 | 12:36 | 276 | -     | -   | - | -         | 1026.0  | ---- |
| 6  | 07:22 | 409  | 01:07 | 259 | -  | -  | -  | -     | -    | 19:18 | 414 | 13:17 | 276 | -     | -   | - | -         | 1024.6  | ---- |
| 7  | 08:02 | 416  | 01:37 | 245 | -  | -  | -  | -     | -    | 19:50 | 413 | 13:54 | 274 | -     | -   | - | -         | 1019.9  | ---- |
| 8  | 08:38 | 425  | 02:07 | 238 | -  | -  | -  | -     | -    | 20:16 | 408 | 14:29 | 279 | -     | -   | - | -         | 1014.8  | ---- |
| 9  | 09:14 | 418  | 02:37 | 227 | -  | -  | -  | -     | -    | 20:43 | 403 | 14:57 | 280 | -     | -   | - | -         | 1018.5  | ---- |
| 10 | 09:53 | 419  | 03:05 | 220 | -  | -  | -  | -     | -    | 21:07 | 399 | 15:34 | 287 | -     | -   | - | -         | 1022.4  | ---- |
| 11 | 10:22 | 420  | 03:34 | 226 | -  | -  | -  | -     | -    | 21:37 | 402 | 16:02 | 301 | -     | -   | - | -         | 1019.8  | ---- |
| 12 | 11:00 | 425  | 04:03 | 242 | -  | -  | -  | -     | -    | 22:02 | 398 | 16:41 | 319 | -     | -   | - | -         | 1014.7  | ---- |
| 13 | 11:33 | 412  | 04:38 | 246 | -  | -  | -  | -     | -    | 22:32 | 383 | 17:18 | 319 | -     | -   | - | -         | 1022.1  | ---- |
| 14 | -     | ---- | 05:14 | 251 | -  | -  | -  | -     | -    | 12:27 | 403 | 18:03 | 333 | 23:14 | 383 | - | -         | 1022.5  | ---- |
| 15 | -     | ---- | 05:55 | 277 | -  | -  | -  | -     | -    | 13:16 | 402 | 19:18 | 337 | 23:57 | 361 | - | -         | 1015.2  | ---- |
| 16 | -     | ---- | 07:08 | 273 | -  | -  | -  | -     | -    | 14:38 | 385 | 21:13 | 317 | -     | -   | - | -         | 1020.8  | ---- |
| 17 | 01:40 | 343  | 08:07 | 279 | -  | -  | -  | -     | -    | 15:44 | 386 | 22:14 | 314 | -     | -   | - | -         | 1027.4  | ---- |
| 18 | 03:19 | 354  | 09:40 | 285 | -  | -  | -  | -     | -    | 16:37 | 387 | 23:12 | 292 | -     | -   | - | -         | 1024.3  | ---- |
| 19 | 04:54 | 363  | 10:51 | 277 | -  | -  | -  | -     | -    | 17:26 | 398 | 23:50 | 271 | -     | -   | - | -         | 1025.1  | ---- |
| 20 | 05:55 | 387  | 11:49 | 275 | -  | -  | -  | -     | -    | 18:07 | 414 | -     | -   | -     | -   | - | -         | 1023.3  | ---- |
| 21 | 06:44 | 409  | 00:28 | 252 | -  | -  | -  | -     | -    | 18:43 | 417 | 12:38 | 268 | -     | -   | - | -         | 1025.1  | ---- |
| 22 | 07:34 | 422  | 01:05 | 224 | -  | -  | -  | -     | -    | 19:20 | 420 | 13:28 | 267 | -     | -   | - | -         | 1025.8  | ---- |
| 23 | 08:24 | 435  | 01:45 | 205 | -  | -  | -  | -     | -    | 19:57 | 424 | 14:13 | 271 | -     | -   | - | -         | 1023.8  | ---- |
| 24 | 09:13 | 447  | 02:25 | 199 | -  | -  | -  | -     | -    | 20:38 | 429 | 15:01 | 289 | -     | -   | - | -         | 1017.2  | ---- |
| 25 | 10:06 | 455  | 03:12 | 201 | -  | -  | -  | -     | -    | 21:17 | 419 | 15:57 | 306 | -     | -   | - | -         | 1013.8  | ---- |
| 26 | 10:55 | 435  | 03:57 | 198 | -  | -  | -  | -     | -    | 22:00 | 399 | 16:39 | 299 | -     | -   | - | -         | 1021.0  | ---- |
| 27 | 11:47 | 416  | 04:45 | 196 | -  | -  | -  | -     | -    | 22:50 | 381 | 17:28 | 301 | -     | -   | - | -         | 1024.6  | ---- |
| 28 | -     | ---- | 05:34 | 210 | -  | -  | -  | -     | -    | 12:41 | 397 | 18:36 | 297 | 23:45 | 356 | - | -         | 1024.5  | ---- |
| 29 | -     | ---- | 06:31 | 219 | -  | -  | -  | -     | -    | 13:53 | 384 | 20:05 | 295 | -     | -   | - | -         | 1027.9  | ---- |
| 30 | 00:59 | 342  | 07:33 | 244 | -  | -  | -  | -     | -    | 14:51 | 375 | 21:27 | 287 | -     | -   | - | -         | 1030.3  | ---- |

最高値  
 h m cm  
 25日 10:06 455

最低値  
 h m cm  
 27日 04:45 196

験 潮 記 録

平成11年12月 (1999)  
方 面：九州東岸  
験潮所：大 分

緯 度 33° 15' 46" N  
経 度 131° 41' 21" E 使用時： 135° E

自 平成11年12月 1日  
至 平成11年12月 31日  
観測者：第七管区海上保安本部水路部

| 時<br>日 | 0<br>cm | 1<br>cm | 2<br>cm | 3<br>cm | 4<br>cm | 5<br>cm | 6<br>cm | 7<br>cm | 8<br>cm | 9<br>cm | 10<br>cm | 11<br>cm | 12<br>cm | 13<br>cm | 14<br>cm | 15<br>cm | 16<br>cm | 17<br>cm | 18<br>cm | 19<br>cm | 20<br>cm | 21<br>cm | 22<br>cm | 23<br>cm | 平 均<br>cm |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| 1      | 310     | 325     | 335     | 337     | 330     | 316     | 298     | 279     | 266     | 264     | 271      | 287      | 310      | 337      | 360      | 374      | 377      | 370      | 354      | 332      | 308      | 290      | 281      | 280      | 316.3     |
| 2      | 287     | 303     | 321     | 337     | 346     | 344     | 335     | 318     | 300     | 284     | 276      | 279      | 290      | 309      | 333      | 355      | 370      | 373      | 364      | 345      | 318      | 290      | 269      | 259      | 316.9     |
| 3      | 259     | 269     | 290     | 315     | 337     | 349     | 351     | 342     | 324     | 301     | 282      | 273      | 275      | 287      | 308      | 333      | 357      | 371      | 371      | 358      | 334      | 303      | 273      | 251      | 313.0     |
| 4      | 244     | 250     | 267     | 295     | 327     | 354     | 368     | 368     | 357     | 335     | 309      | 287      | 276      | 280      | 295      | 319      | 346      | 370      | 380      | 375      | 355      | 325      | 290      | 257      | 317.9     |
| 5      | 237     | 234     | 247     | 272     | 306     | 343     | 371     | 383     | 378     | 360     | 333      | 304      | 283      | 276      | 285      | 304      | 330      | 358      | 379      | 383      | 370      | 342      | 306      | 268      | 318.8     |
| 6      | 238     | 225     | 229     | 249     | 283     | 323     | 360     | 383     | 390     | 380     | 356      | 324      | 292      | 274      | 274      | 287      | 308      | 335      | 361      | 375      | 370      | 345      | 309      | 268      | 314.1     |
| 7      | 230     | 206     | 201     | 215     | 244     | 284     | 329     | 365     | 384     | 384     | 368      | 340      | 307      | 280      | 269      | 274      | 291      | 316      | 345      | 368      | 375      | 361      | 330      | 290      | 306.5     |
| 8      | 248     | 215     | 199     | 203     | 225     | 263     | 310     | 355     | 385     | 396     | 389      | 366      | 334      | 302      | 282      | 279      | 290      | 312      | 340      | 367      | 382      | 377      | 354      | 318      | 312.1     |
| 9      | 276     | 237     | 211     | 206     | 220     | 252     | 296     | 344     | 384     | 405     | 408      | 394      | 366      | 330      | 301      | 287      | 290      | 306      | 330      | 357      | 379      | 385      | 370      | 340      | 319.8     |
| 10     | 301     | 260     | 228     | 212     | 217     | 240     | 277     | 324     | 369     | 401     | 413      | 407      | 387      | 357      | 325      | 304      | 298      | 307      | 326      | 351      | 375      | 389      | 384      | 362      | 325.6     |
| 11     | 326     | 284     | 247     | 222     | 215     | 226     | 253     | 293     | 338     | 377     | 400      | 403      | 390      | 364      | 333      | 305      | 290      | 289      | 302      | 322      | 345      | 364      | 370      | 359      | 317.4     |
| 12     | 332     | 297     | 259     | 228     | 211     | 213     | 231     | 263     | 304     | 346     | 377      | 391      | 389      | 374      | 349      | 320      | 299      | 291      | 295      | 309      | 328      | 347      | 360      | 359      | 311.3     |
| 13     | 341     | 313     | 280     | 248     | 225     | 216     | 224     | 245     | 278     | 317     | 353      | 377      | 386      | 381      | 364      | 340      | 316      | 300      | 297      | 303      | 316      | 334      | 350      | 357      | 310.9     |
| 14     | 351     | 332     | 306     | 277     | 249     | 232     | 229     | 240     | 263     | 295     | 330      | 359      | 378      | 382      | 374      | 356      | 333      | 311      | 299      | 295      | 300      | 311      | 326      | 338      | 311.1     |
| 15     | 343     | 336     | 320     | 297     | 272     | 251     | 240     | 241     | 252     | 274     | 304      | 334      | 357      | 370      | 371      | 362      | 343      | 320      | 301      | 289      | 285      | 288      | 298      | 313      | 306.7     |
| 16     | 327     | 333     | 329     | 318     | 301     | 280     | 262     | 251     | 251     | 261     | 280      | 307      | 334      | 356      | 370      | 372      | 364      | 347      | 323      | 302      | 287      | 281      | 282      | 291      | 308.7     |
| 17     | 307     | 324     | 336     | 338     | 332     | 320     | 302     | 284     | 271     | 270     | 277      | 292      | 314      | 339      | 361      | 373      | 373      | 362      | 343      | 316      | 290      | 270      | 262      | 264      | 313.3     |
| 18     | 276     | 295     | 317     | 335     | 343     | 340     | 328     | 310     | 288     | 271     | 264      | 269      | 282      | 303      | 328      | 352      | 366      | 366      | 352      | 328      | 297      | 266      | 244      | 236      | 306.5     |
| 19     | 241     | 257     | 283     | 314     | 341     | 356     | 356     | 344     | 323     | 297     | 276      | 266      | 270      | 284      | 307      | 336      | 363      | 378      | 375      | 357      | 326      | 288      | 251      | 227      | 309.0     |
| 20     | 220     | 228     | 252     | 287     | 328     | 362     | 382     | 383     | 369     | 342     | 308      | 280      | 267      | 269      | 285      | 310      | 341      | 368      | 381      | 373      | 348      | 310      | 265      | 224      | 311.8     |
| 21     | 198     | 195     | 212     | 245     | 290     | 339     | 378     | 398     | 397     | 378     | 347      | 311      | 281      | 268      | 273      | 293      | 322      | 354      | 380      | 389      | 375      | 342      | 296      | 246      | 312.8     |
| 22     | 205     | 184     | 185     | 208     | 250     | 304     | 357     | 397     | 414     | 410     | 388      | 353      | 313      | 283      | 272      | 280      | 302      | 332      | 365      | 389      | 392      | 369      | 328      | 276      | 314.8     |
| 23     | 225     | 185     | 167     | 174     | 203     | 251     | 310     | 366     | 405     | 420     | 414      | 389      | 350      | 311      | 284      | 278      | 290      | 314      | 347      | 379      | 399      | 395      | 367      | 322      | 314.4     |
| 24     | 269     | 218     | 182     | 169     | 181     | 216     | 267     | 328     | 382     | 417     | 428      | 417      | 388      | 349      | 312      | 291      | 289      | 303      | 328      | 361      | 392      | 406      | 396      | 363      | 318.8     |
| 25     | 316     | 263     | 215     | 183     | 174     | 189     | 225     | 277     | 335     | 383     | 412      | 418      | 404      | 373      | 334      | 301      | 284      | 284      | 299      | 323      | 354      | 379      | 388      | 373      | 311.9     |
| 26     | 340     | 295     | 247     | 206     | 182     | 178     | 196     | 234     | 285     | 337     | 376      | 397      | 398      | 382      | 351      | 315      | 287      | 275      | 278      | 293      | 317      | 344      | 364      | 367      | 301.8     |
| 27     | 352     | 321     | 282     | 241     | 207     | 191     | 194     | 216     | 253     | 299     | 344      | 376      | 390      | 387      | 369      | 340      | 308      | 286      | 278      | 282      | 296      | 318      | 341      | 357      | 301.2     |
| 28     | 358     | 344     | 317     | 285     | 252     | 227     | 217     | 224     | 247     | 281     | 319      | 355      | 378      | 385      | 379      | 360      | 333      | 306      | 288      | 281      | 285      | 297      | 316      | 336      | 307.1     |
| 29     | 349     | 350     | 339     | 320     | 294     | 269     | 250     | 245     | 253     | 272     | 300      | 331      | 359      | 376      | 381      | 373      | 355      | 330      | 306      | 289      | 282      | 284      | 293      | 308      | 312.8     |
| 30     | 326     | 338     | 342     | 336     | 323     | 304     | 283     | 268     | 265     | 271     | 286      | 307      | 332      | 354      | 367      | 369      | 361      | 345      | 322      | 299      | 281      | 273      | 272      | 279      | 312.6     |
| 31     | 293     | 311     | 327     | 336     | 336     | 329     | 317     | 301     | 288     | 283     | 287      | 298      | 314      | 332      | 350      | 361      | 362      | 353      | 337      | 315      | 291      | 272      | 261      | 260      | 313.1     |
|        |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 312.5     |

\*:欠測データを補間した値

潮高の基準面： 鍾測基点下 794.8cm



驗潮記錄

2/2

平成11年12月 (1999)  
 方面：九州東岸  
 驗潮所：大分

緯度 33° 15' 46" N  
 經度 131° 41' 21" E 使用時： 135° E

自 平成11年12月 1日  
 至 平成11年12月31日  
 觀測者：第七管区海上保安本部水路部

| 日  | 午前<br>高潮 |     | 低潮    |     | 高潮 |    | 低潮 |   | 高潮 |   | 低潮 |    | 午後<br>高潮 |       | 低潮  |       | 高潮  |       | 低潮  |   | 氣圧<br>hPa | 水温<br>℃ |    |   |   |    |   |   |    |   |   |    |   |   |        |      |   |    |
|----|----------|-----|-------|-----|----|----|----|---|----|---|----|----|----------|-------|-----|-------|-----|-------|-----|---|-----------|---------|----|---|---|----|---|---|----|---|---|----|---|---|--------|------|---|----|
|    | h        | m   | cm    | h   | m  | cm | h  | m | cm | h | m  | cm | h        | m     | cm  | h     | m   | cm    | h   | m |           |         | cm | h | m | cm | h | m | cm | h | m | cm | h | m | cm     | h    | m | cm |
| 1  | 02:44    | 337 | 08:45 | 264 | -  | -  | -  | - | -  | - | -  | -  | -        | 15:50 | 377 | 22:38 | 279 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1031.1 | ---- |   |    |
| 2  | 04:22    | 346 | 10:15 | 276 | -  | -  | -  | - | -  | - | -  | -  | -        | 16:45 | 373 | 23:32 | 257 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1029.5 | ---- |   |    |
| 3  | 05:40    | 351 | 11:19 | 272 | -  | -  | -  | - | -  | - | -  | -  | -        | 17:33 | 373 | -     | -   | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1034.7 | ---- |   |    |
| 4  | 06:30    | 370 | 00:04 | 244 | -  | -  | -  | - | -  | - | -  | -  | -        | 18:10 | 381 | 12:14 | 276 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1030.3 | ---- |   |    |
| 5  | 07:12    | 383 | 00:41 | 233 | -  | -  | -  | - | -  | - | -  | -  | -        | 18:46 | 384 | 12:55 | 276 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1023.4 | ---- |   |    |
| 6  | 07:54    | 390 | 01:17 | 224 | -  | -  | -  | - | -  | - | -  | -  | -        | 19:15 | 376 | 13:32 | 272 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1021.0 | ---- |   |    |
| 7  | 08:30    | 387 | 01:44 | 200 | -  | -  | -  | - | -  | - | -  | -  | -        | 19:50 | 375 | 14:11 | 268 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1028.1 | ---- |   |    |
| 8  | 09:06    | 396 | 02:19 | 198 | -  | -  | -  | - | -  | - | -  | -  | -        | 20:17 | 383 | 14:44 | 278 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1028.4 | ---- |   |    |
| 9  | 09:40    | 409 | 02:47 | 205 | -  | -  | -  | - | -  | - | -  | -  | -        | 20:47 | 385 | 15:18 | 287 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1022.5 | ---- |   |    |
| 10 | 10:10    | 413 | 03:16 | 212 | -  | -  | -  | - | -  | - | -  | -  | -        | 21:18 | 389 | 15:52 | 298 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1021.4 | ---- |   |    |
| 11 | 10:41    | 404 | 03:55 | 215 | -  | -  | -  | - | -  | - | -  | -  | -        | 21:52 | 370 | 16:32 | 288 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1023.0 | ---- |   |    |
| 12 | 11:23    | 392 | 04:26 | 210 | -  | -  | -  | - | -  | - | -  | -  | -        | 22:25 | 361 | 17:07 | 290 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1024.6 | ---- |   |    |
| 13 | -        | -   | 05:03 | 216 | -  | -  | -  | - | -  | - | -  | -  | -        | 12:07 | 386 | 17:48 | 297 | 23:03 | 357 | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1022.5 | ---- |   |    |
| 14 | -        | -   | 05:42 | 229 | -  | -  | -  | - | -  | - | -  | -  | -        | 12:51 | 382 | 18:55 | 295 | 23:57 | 343 | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1021.6 | ---- |   |    |
| 15 | -        | -   | 06:29 | 239 | -  | -  | -  | - | -  | - | -  | -  | -        | 13:41 | 372 | 20:06 | 285 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1025.1 | ---- |   |    |
| 16 | 01:06    | 333 | 07:33 | 250 | -  | -  | -  | - | -  | - | -  | -  | -        | 14:47 | 373 | 21:19 | 280 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1027.0 | ---- |   |    |
| 17 | 02:46    | 339 | 08:42 | 269 | -  | -  | -  | - | -  | - | -  | -  | -        | 15:31 | 375 | 22:18 | 262 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1023.2 | ---- |   |    |
| 18 | 04:15    | 344 | 10:02 | 264 | -  | -  | -  | - | -  | - | -  | -  | -        | 16:27 | 368 | 23:06 | 236 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1025.5 | ---- |   |    |
| 19 | 05:31    | 358 | 11:14 | 266 | -  | -  | -  | - | -  | - | -  | -  | -        | 17:23 | 379 | 23:57 | 220 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1026.7 | ---- |   |    |
| 20 | 06:37    | 385 | -     | -   | -  | -  | -  | - | -  | - | -  | -  | -        | 18:08 | 381 | 12:20 | 266 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1025.5 | ---- |   |    |
| 21 | 07:26    | 400 | 00:40 | 194 | -  | -  | -  | - | -  | - | -  | -  | -        | 18:54 | 389 | 13:11 | 267 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1025.5 | ---- |   |    |
| 22 | 08:19    | 415 | 01:27 | 181 | -  | -  | -  | - | -  | - | -  | -  | -        | 19:37 | 394 | 14:02 | 272 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1023.2 | ---- |   |    |
| 23 | 09:13    | 421 | 02:13 | 167 | -  | -  | -  | - | -  | - | -  | -  | -        | 20:21 | 400 | 14:49 | 278 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1025.8 | ---- |   |    |
| 24 | 10:00    | 428 | 02:59 | 169 | -  | -  | -  | - | -  | - | -  | -  | -        | 21:08 | 407 | 15:36 | 288 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1020.5 | ---- |   |    |
| 25 | 10:47    | 419 | 03:53 | 173 | -  | -  | -  | - | -  | - | -  | -  | -        | 21:53 | 388 | 16:27 | 282 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1020.2 | ---- |   |    |
| 26 | 11:35    | 400 | 04:40 | 177 | -  | -  | -  | - | -  | - | -  | -  | -        | 22:41 | 369 | 17:16 | 274 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1026.2 | ---- |   |    |
| 27 | -        | -   | 05:20 | 190 | -  | -  | -  | - | -  | - | -  | -  | -        | 12:20 | 391 | 18:07 | 277 | 23:34 | 360 | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1031.5 | ---- |   |    |
| 28 | -        | -   | 06:05 | 217 | -  | -  | -  | - | -  | - | -  | -  | -        | 13:02 | 385 | 19:07 | 281 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1027.1 | ---- |   |    |
| 29 | 00:36    | 351 | 06:52 | 245 | -  | -  | -  | - | -  | - | -  | -  | -        | 13:55 | 381 | 20:20 | 282 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1021.9 | ---- |   |    |
| 30 | 01:53    | 342 | 07:50 | 265 | -  | -  | -  | - | -  | - | -  | -  | -        | 14:41 | 370 | 21:38 | 271 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1022.8 | ---- |   |    |
| 31 | 03:30    | 337 | 09:03 | 283 | -  | -  | -  | - | -  | - | -  | -  | -        | 15:36 | 363 | 22:44 | 259 | -     | -   | - | -         | -       | -  | - | - | -  | - | - | -  | - | - | -  | - | - | 1024.6 | ---- |   |    |

最高値  
 h m cm  
 24日 10:00 428

最低値  
 h m cm  
 23日 02:13 167