**Conditions of Use**

1) Disclaimer, Attribution and Copyright acknowledgement

   a) Any publication of Bureau tide predictions must acknowledge copyright in the Material in the Commonwealth of Australia represented by the Bureau of Meteorology and must include the following disclaimer:

      "The Bureau of Meteorology gives no warranty of any kind whether express, implied, statutory or otherwise in respect to the availability, accuracy, currency, completeness, quality or reliability of the information or that the information will be fit for any particular purpose or will not infringe any third party Intellectual Property rights.

      The Bureau's liability for any loss, damage, cost or expense resulting from use of, or reliance on, the information is entirely excluded."

   b) Where a user creates new products from the Bureau tide predictions the Bureau should be acknowledged and a disclaimer displayed as follows:

      "This product is based on Bureau of Meteorology information that has subsequently been modified. The Bureau does not necessarily support or endorse, or have any connection with, the product.

      In respect of that part of the information which is sourced from the Bureau, and to the maximum extent permitted by law:

      (i) The Bureau makes no representation and gives no warranty of any kind whether express, implied, statutory or otherwise in respect to the availability, accuracy, currency, completeness, quality or reliability of the information or that the information will be fit for any particular purpose or will not infringe any third party Intellectual Property rights; and

      (ii) the Bureau's liability for any loss, damage, cost or expense resulting from use of, or reliance on, the information is entirely excluded."

2) The disclaimers required will be displayed with the product or where this is not possible a clear and obvious link to these as part of the copyright or attribution notice will be required to ensure these terms are clearly and adequately brought to the attention of the user.

# GLADSTONE

LAT 23°50'S LONG 151°15'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

JANUARY 2015

| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **JANUARY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THU | 1 | | 93 | 111 | 166 | 233 | 301 | 359 | 394 | 395 | 357 | 294 | 229 | 173 | 131 | 118 | 148 | 202 | 257 | 304 | 337 | 348 | 322 | 265 | 198 | 142 |
| FRI | 2 | | 101 | 84 | 110 | 173 | 247 | 320 | 380 | 413 | 407 | 361 | 290 | 221 | 160 | 114 | 106 | 146 | 204 | 260 | 308 | 343 | 350 | 317 | 252 | 183 |
| SAT | 3 | | 128 | 89 | 79 | 118 | 190 | 270 | 344 | 401 | 426 | 407 | 350 | 275 | 205 | 142 | 98 | 104 | 155 | 215 | 271 | 319 | 351 | 347 | 301 | 230 |
| SUN | 4 | | 163 | 112 | 79 | 84 | 139 | 218 | 299 | 370 | 419 | 428 | 394 | 327 | 252 | 182 | 120 | 89 | 115 | 174 | 234 | 287 | 332 | 355 | 336 | 277 |
| MON | 5 | ○ | 203 | 142 | 98 | 76 | 101 | 171 | 252 | 330 | 392 | 427 | 418 | 369 | 296 | 222 | 156 | 102 | 92 | 137 | 200 | 257 | 305 | 343 | 351 | 314 |
| TUE | 6 | | 245 | 174 | 122 | 89 | 86 | 132 | 209 | 289 | 358 | 408 | 424 | 396 | 335 | 260 | 190 | 130 | 94 | 110 | 166 | 229 | 281 | 322 | 348 | 336 |
| WED | 7 | | 285 | 212 | 150 | 109 | 90 | 110 | 171 | 249 | 322 | 379 | 413 | 408 | 364 | 295 | 223 | 160 | 112 | 100 | 138 | 199 | 257 | 301 | 333 | 342 |
| **JANUARY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THU | 8 | | 313 | 252 | 183 | 133 | 105 | 105 | 145 | 212 | 284 | 346 | 390 | 405 | 382 | 326 | 255 | 189 | 137 | 107 | 120 | 171 | 230 | 280 | 315 | 335 |
| FRI | 9 | | 326 | 284 | 222 | 164 | 127 | 115 | 134 | 184 | 248 | 310 | 359 | 388 | 385 | 348 | 287 | 220 | 164 | 125 | 117 | 148 | 201 | 253 | 294 | 320 |
| SAT | 10 | | 327 | 305 | 257 | 201 | 158 | 135 | 136 | 167 | 217 | 273 | 323 | 359 | 374 | 358 | 313 | 253 | 195 | 151 | 127 | 136 | 174 | 223 | 267 | 298 |
| SUN | 11 | | 317 | 314 | 285 | 240 | 196 | 165 | 153 | 163 | 195 | 239 | 285 | 323 | 348 | 354 | 330 | 284 | 230 | 182 | 149 | 138 | 155 | 192 | 235 | 271 |
| MON | 12 | | 296 | 309 | 302 | 274 | 237 | 203 | 182 | 175 | 185 | 210 | 246 | 283 | 313 | 333 | 333 | 308 | 265 | 219 | 179 | 154 | 149 | 166 | 199 | 237 |
| TUE | 13 | ◐ | 268 | 291 | 304 | 300 | 277 | 248 | 220 | 201 | 191 | 194 | 210 | 240 | 272 | 300 | 318 | 318 | 296 | 259 | 217 | 182 | 159 | 152 | 165 | 196 |
| WED | 14 | | 233 | 264 | 291 | 309 | 310 | 294 | 267 | 238 | 214 | 195 | 187 | 198 | 226 | 259 | 288 | 309 | 313 | 296 | 262 | 221 | 183 | 156 | 144 | 155 |
| **JANUARY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THU | 15 | | 187 | 227 | 264 | 298 | 325 | 333 | 319 | 288 | 251 | 217 | 186 | 169 | 178 | 209 | 248 | 283 | 309 | 318 | 305 | 269 | 222 | 178 | 144 | 128 |
| FRI | 16 | | 140 | 177 | 225 | 272 | 316 | 351 | 364 | 345 | 303 | 255 | 209 | 166 | 144 | 155 | 197 | 244 | 285 | 317 | 331 | 318 | 275 | 218 | 166 | 125 |
| SAT | 17 | | 108 | 124 | 172 | 231 | 288 | 342 | 383 | 393 | 364 | 309 | 250 | 193 | 142 | 117 | 137 | 191 | 246 | 294 | 331 | 347 | 328 | 274 | 207 | 147 |
| SUN | 18 | | 104 | 87 | 111 | 173 | 244 | 312 | 373 | 415 | 417 | 374 | 307 | 238 | 173 | 115 | 92 | 126 | 192 | 255 | 309 | 349 | 362 | 333 | 266 | 190 |
| MON | 19 | | 127 | 82 | 69 | 106 | 183 | 263 | 340 | 405 | 442 | 431 | 375 | 298 | 222 | 149 | 87 | 73 | 124 | 199 | 268 | 327 | 368 | 374 | 332 | 254 |
| TUE | 20 | ● | 171 | 107 | 62 | 55 | 111 | 199 | 287 | 369 | 433 | 460 | 435 | 367 | 284 | 203 | 122 | 61 | 64 | 131 | 210 | 284 | 347 | 386 | 381 | 325 |
| WED | 21 | | 237 | 154 | 89 | 46 | 53 | 126 | 220 | 311 | 394 | 453 | 467 | 428 | 352 | 265 | 180 | 96 | 43 | 68 | 144 | 225 | 302 | 366 | 398 | 379 |
| **JANUARY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THU | 22 | | 312 | 220 | 139 | 76 | 40 | 65 | 149 | 243 | 332 | 411 | 461 | 460 | 411 | 329 | 241 | 156 | 75 | 40 | 84 | 163 | 243 | 319 | 380 | 401 |
| FRI | 23 | | 370 | 295 | 205 | 130 | 73 | 48 | 90 | 176 | 265 | 347 | 416 | 454 | 441 | 384 | 300 | 215 | 134 | 66 | 53 | 108 | 185 | 262 | 332 | 385 |
| SAT | 24 | | 394 | 355 | 277 | 194 | 129 | 82 | 72 | 122 | 202 | 281 | 352 | 409 | 433 | 412 | 350 | 269 | 192 | 122 | 73 | 77 | 134 | 206 | 276 | 338 |
| SUN | 25 | | 380 | 381 | 338 | 265 | 193 | 139 | 103 | 105 | 152 | 221 | 288 | 345 | 389 | 403 | 378 | 317 | 243 | 177 | 122 | 91 | 104 | 156 | 221 | 283 |
| MON | 26 | | 336 | 368 | 367 | 327 | 263 | 203 | 159 | 133 | 135 | 173 | 228 | 282 | 327 | 361 | 370 | 347 | 293 | 229 | 174 | 133 | 111 | 124 | 169 | 226 |
| TUE | 27 | ◑ | 280 | 327 | 357 | 358 | 326 | 275 | 224 | 185 | 160 | 156 | 179 | 220 | 265 | 303 | 333 | 343 | 325 | 282 | 229 | 182 | 146 | 127 | 135 | 170 |
| WED | 28 | | 220 | 271 | 317 | 350 | 358 | 338 | 297 | 250 | 209 | 178 | 163 | 171 | 202 | 242 | 280 | 311 | 326 | 318 | 286 | 239 | 192 | 156 | 134 | 134 |
| **JANUARY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THU | 29 | | 161 | 209 | 262 | 313 | 352 | 370 | 359 | 321 | 271 | 223 | 183 | 156 | 154 | 181 | 223 | 265 | 299 | 321 | 323 | 296 | 249 | 198 | 157 | 131 |
| FRI | 30 | | 124 | 149 | 200 | 260 | 318 | 363 | 388 | 379 | 339 | 280 | 224 | 175 | 140 | 134 | 166 | 213 | 260 | 300 | 328 | 334 | 305 | 250 | 194 | 150 |
| SAT | 31 | | 120 | 111 | 142 | 202 | 270 | 333 | 382 | 406 | 392 | 342 | 275 | 212 | 158 | 120 | 121 | 163 | 217 | 267 | 310 | 342 | 343 | 305 | 241 | 181 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

# GLADSTONE

LAT 23°50'S LONG 151°15'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

FEBRUARY 2015

| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **FEBRUARY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 1 | | 136 | 105 | 102 | 146 | 216 | 290 | 355 | 403 | 418 | 390 | 329 | 257 | 192 | 135 | 103 | 121 | 175 | 232 | 283 | 329 | 356 | 344 | 291 | 220 |
| MON | 2 | | 162 | 118 | 91 | 105 | 165 | 243 | 318 | 380 | 419 | 418 | 374 | 303 | 230 | 165 | 112 | 97 | 136 | 197 | 256 | 306 | 348 | 362 | 332 | 265 |
| TUE | 3 | | 194 | 139 | 100 | 86 | 123 | 196 | 277 | 349 | 403 | 426 | 404 | 344 | 268 | 198 | 135 | 95 | 106 | 163 | 227 | 283 | 330 | 362 | 357 | 307 |
| WED | 4 | ○ | 233 | 166 | 117 | 87 | 97 | 156 | 235 | 314 | 378 | 418 | 419 | 377 | 306 | 230 | 163 | 109 | 92 | 131 | 196 | 259 | 312 | 352 | 366 | 339 |
| THU | 5 | | 275 | 200 | 140 | 99 | 88 | 125 | 197 | 276 | 347 | 399 | 420 | 397 | 339 | 263 | 191 | 130 | 94 | 108 | 166 | 232 | 291 | 336 | 364 | 356 |
| FRI | 6 | | 309 | 239 | 170 | 120 | 93 | 107 | 165 | 240 | 312 | 371 | 407 | 405 | 363 | 294 | 220 | 156 | 109 | 98 | 139 | 204 | 266 | 317 | 352 | 362 |
| SAT | 7 | | 334 | 274 | 206 | 149 | 112 | 105 | 142 | 209 | 277 | 338 | 382 | 399 | 376 | 320 | 250 | 183 | 131 | 104 | 121 | 177 | 239 | 293 | 334 | 356 |
| **FEBRUARY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 8 | | 347 | 304 | 242 | 183 | 140 | 119 | 132 | 183 | 246 | 304 | 350 | 378 | 376 | 338 | 276 | 212 | 158 | 122 | 118 | 154 | 211 | 266 | 310 | 339 |
| MON | 9 | | 347 | 325 | 275 | 219 | 173 | 145 | 140 | 167 | 217 | 270 | 316 | 347 | 360 | 345 | 300 | 240 | 187 | 147 | 129 | 142 | 184 | 236 | 283 | 316 |
| TUE | 10 | | 334 | 332 | 304 | 256 | 211 | 178 | 162 | 166 | 195 | 237 | 279 | 313 | 333 | 337 | 316 | 271 | 219 | 177 | 150 | 144 | 164 | 203 | 248 | 287 |
| WED | 11 | | 312 | 325 | 320 | 293 | 254 | 218 | 194 | 182 | 186 | 207 | 239 | 273 | 299 | 315 | 316 | 296 | 257 | 215 | 180 | 160 | 157 | 174 | 207 | 247 |
| THU | 12 | ◐ | 281 | 305 | 319 | 319 | 299 | 268 | 236 | 213 | 197 | 191 | 201 | 225 | 256 | 282 | 300 | 305 | 292 | 261 | 224 | 190 | 168 | 159 | 169 | 198 |
| FRI | 13 | | 237 | 272 | 300 | 323 | 332 | 321 | 293 | 258 | 227 | 200 | 180 | 180 | 202 | 235 | 268 | 293 | 307 | 302 | 277 | 238 | 199 | 168 | 149 | 152 |
| SAT | 14 | | 180 | 222 | 264 | 303 | 338 | 357 | 352 | 320 | 276 | 233 | 191 | 159 | 151 | 176 | 219 | 262 | 297 | 319 | 322 | 297 | 251 | 199 | 157 | 130 |
| **FEBRUARY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 15 | | 129 | 158 | 209 | 264 | 317 | 363 | 390 | 383 | 342 | 285 | 228 | 173 | 130 | 120 | 154 | 211 | 265 | 310 | 340 | 346 | 315 | 255 | 191 | 140 |
| MON | 16 | | 107 | 103 | 139 | 205 | 274 | 339 | 393 | 422 | 408 | 354 | 283 | 215 | 149 | 99 | 93 | 143 | 213 | 277 | 330 | 365 | 368 | 325 | 251 | 177 |
| TUE | 17 | | 120 | 82 | 79 | 129 | 210 | 290 | 366 | 424 | 448 | 422 | 355 | 273 | 196 | 121 | 67 | 75 | 143 | 222 | 294 | 354 | 391 | 384 | 327 | 241 |
| WED | 18 | | 161 | 99 | 57 | 62 | 132 | 224 | 312 | 393 | 451 | 463 | 423 | 345 | 257 | 172 | 90 | 42 | 71 | 154 | 238 | 317 | 381 | 412 | 391 | 321 |
| THU | 19 | ● | 227 | 145 | 78 | 36 | 59 | 146 | 243 | 335 | 417 | 467 | 465 | 411 | 324 | 234 | 145 | 61 | 29 | 83 | 172 | 259 | 341 | 405 | 426 | 389 |
| FRI | 20 | | 307 | 211 | 130 | 62 | 29 | 74 | 169 | 264 | 354 | 431 | 469 | 452 | 387 | 296 | 206 | 117 | 43 | 37 | 107 | 196 | 282 | 363 | 421 | 427 |
| SAT | 21 | | 377 | 288 | 196 | 119 | 56 | 42 | 103 | 196 | 285 | 366 | 431 | 454 | 424 | 351 | 261 | 177 | 97 | 44 | 62 | 138 | 223 | 305 | 378 | 423 |
| **FEBRUARY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 22 | | 415 | 356 | 268 | 185 | 116 | 67 | 72 | 139 | 222 | 299 | 366 | 415 | 423 | 385 | 310 | 228 | 155 | 92 | 64 | 98 | 171 | 249 | 320 | 381 |
| MON | 23 | | 411 | 394 | 333 | 252 | 182 | 126 | 95 | 111 | 171 | 240 | 302 | 352 | 386 | 385 | 343 | 274 | 204 | 147 | 105 | 96 | 133 | 198 | 265 | 325 |
| TUE | 24 | | 372 | 391 | 371 | 315 | 247 | 191 | 149 | 130 | 146 | 192 | 245 | 291 | 328 | 351 | 347 | 309 | 251 | 196 | 155 | 129 | 128 | 159 | 212 | 268 |
| WED | 25 | | 317 | 355 | 370 | 354 | 309 | 256 | 210 | 177 | 160 | 167 | 197 | 235 | 270 | 300 | 320 | 319 | 291 | 247 | 205 | 173 | 152 | 149 | 170 | 211 |
| THU | 26 | ◑ | 258 | 302 | 338 | 356 | 349 | 318 | 275 | 234 | 200 | 177 | 171 | 186 | 215 | 247 | 277 | 300 | 306 | 292 | 260 | 223 | 190 | 167 | 156 | 166 |
| FRI | 27 | | 198 | 242 | 288 | 328 | 354 | 358 | 337 | 297 | 252 | 211 | 178 | 160 | 166 | 193 | 229 | 265 | 294 | 311 | 307 | 279 | 238 | 198 | 168 | 150 |
| SAT | 28 | | 152 | 181 | 230 | 283 | 330 | 364 | 376 | 356 | 311 | 257 | 207 | 166 | 140 | 145 | 180 | 225 | 267 | 303 | 328 | 326 | 293 | 241 | 194 | 159 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

© Commonwealth of Australia 2013

Bureau of Meteorology

National Tidal Centre

Datum of Predictions is Lowest Astronomical Tide

● New Moon ◑ First Quarter ○ Full Moon ◐ Last Quarter

# GLADSTONE

LAT 23°50'S LONG 151°15'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

MARCH 2015

| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MARCH 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 1 | | 134 | 134 | 172 | 230 | 291 | 343 | 382 | 393 | 366 | 310 | 247 | 192 | 145 | 119 | 135 | 182 | 234 | 281 | 322 | 349 | 339 | 292 | 231 | 180 |
| MON | 2 | | 141 | 115 | 124 | 176 | 244 | 310 | 365 | 401 | 401 | 360 | 292 | 225 | 167 | 121 | 107 | 141 | 199 | 255 | 304 | 347 | 364 | 338 | 277 | 211 |
| TUE | 3 | | 159 | 119 | 101 | 130 | 195 | 270 | 336 | 389 | 414 | 395 | 338 | 264 | 196 | 138 | 100 | 109 | 162 | 226 | 283 | 332 | 368 | 367 | 322 | 250 |
| WED | 4 | | 185 | 134 | 98 | 100 | 151 | 226 | 302 | 365 | 408 | 414 | 375 | 304 | 228 | 163 | 110 | 92 | 128 | 194 | 259 | 315 | 359 | 380 | 356 | 294 |
| THU | 5 | | 219 | 156 | 109 | 87 | 117 | 185 | 264 | 336 | 391 | 417 | 399 | 341 | 264 | 190 | 128 | 90 | 102 | 161 | 230 | 293 | 346 | 380 | 377 | 332 |
| FRI | 6 | ○ | 260 | 187 | 129 | 90 | 95 | 149 | 225 | 301 | 365 | 406 | 409 | 368 | 298 | 221 | 152 | 100 | 87 | 130 | 200 | 267 | 327 | 371 | 386 | 359 |
| SAT | 7 | | 298 | 225 | 158 | 108 | 88 | 121 | 191 | 264 | 332 | 384 | 406 | 385 | 327 | 252 | 180 | 121 | 88 | 107 | 170 | 240 | 302 | 353 | 384 | 377 |
| **MARCH 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 8 | | 330 | 261 | 193 | 136 | 99 | 105 | 161 | 232 | 298 | 353 | 388 | 389 | 347 | 279 | 208 | 147 | 103 | 98 | 144 | 213 | 276 | 330 | 369 | 381 |
| MON | 9 | | 353 | 294 | 227 | 169 | 126 | 109 | 139 | 203 | 267 | 320 | 360 | 377 | 357 | 302 | 233 | 173 | 127 | 105 | 126 | 186 | 251 | 305 | 347 | 371 |
| TUE | 10 | | 365 | 323 | 260 | 202 | 158 | 131 | 134 | 177 | 236 | 289 | 329 | 352 | 352 | 319 | 260 | 199 | 152 | 124 | 124 | 162 | 222 | 277 | 321 | 351 |
| WED | 11 | | 362 | 343 | 296 | 238 | 192 | 161 | 148 | 163 | 206 | 254 | 295 | 322 | 334 | 324 | 286 | 232 | 182 | 149 | 136 | 149 | 190 | 243 | 289 | 324 |
| THU | 12 | | 344 | 347 | 325 | 281 | 233 | 197 | 175 | 168 | 183 | 216 | 254 | 287 | 307 | 314 | 302 | 269 | 223 | 183 | 159 | 153 | 167 | 202 | 246 | 287 |
| FRI | 13 | | 316 | 334 | 338 | 321 | 285 | 245 | 213 | 192 | 181 | 185 | 207 | 239 | 268 | 289 | 300 | 295 | 270 | 233 | 198 | 175 | 164 | 170 | 195 | 234 |
| SAT | 14 | ◐ | 273 | 304 | 327 | 340 | 333 | 306 | 269 | 233 | 204 | 180 | 171 | 184 | 214 | 248 | 277 | 298 | 303 | 288 | 256 | 218 | 186 | 164 | 158 | 175 |
| **MARCH 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 15 | | 211 | 254 | 295 | 330 | 354 | 358 | 336 | 295 | 249 | 206 | 167 | 145 | 153 | 188 | 233 | 275 | 307 | 323 | 316 | 282 | 233 | 187 | 153 | 137 |
| MON | 16 | | 147 | 186 | 240 | 293 | 342 | 378 | 389 | 366 | 315 | 255 | 197 | 145 | 114 | 121 | 169 | 229 | 284 | 327 | 352 | 346 | 303 | 240 | 180 | 135 |
| TUE | 17 | | 110 | 117 | 165 | 234 | 301 | 362 | 406 | 418 | 387 | 323 | 249 | 180 | 118 | 81 | 98 | 163 | 236 | 302 | 354 | 383 | 370 | 315 | 236 | 167 |
| WED | 18 | | 114 | 82 | 92 | 156 | 238 | 316 | 386 | 433 | 438 | 395 | 318 | 235 | 158 | 87 | 52 | 88 | 170 | 251 | 326 | 385 | 410 | 386 | 315 | 227 |
| THU | 19 | | 152 | 91 | 55 | 78 | 160 | 249 | 335 | 409 | 452 | 445 | 389 | 302 | 214 | 131 | 56 | 35 | 95 | 186 | 274 | 355 | 415 | 430 | 390 | 307 |
| FRI | 20 | ● | 215 | 136 | 68 | 36 | 81 | 174 | 266 | 353 | 426 | 459 | 438 | 369 | 277 | 188 | 101 | 33 | 37 | 116 | 209 | 300 | 383 | 438 | 439 | 384 |
| SAT | 21 | | 293 | 201 | 120 | 51 | 35 | 100 | 194 | 283 | 367 | 432 | 451 | 415 | 338 | 246 | 160 | 77 | 27 | 58 | 146 | 238 | 327 | 406 | 449 | 434 |
| **MARCH 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 22 | | 367 | 274 | 187 | 107 | 48 | 53 | 129 | 217 | 299 | 372 | 424 | 428 | 381 | 299 | 213 | 135 | 67 | 43 | 94 | 181 | 267 | 348 | 416 | 444 |
| MON | 23 | | 416 | 343 | 254 | 175 | 105 | 63 | 87 | 161 | 238 | 307 | 365 | 401 | 392 | 338 | 259 | 185 | 123 | 76 | 77 | 135 | 214 | 291 | 360 | 412 |
| TUE | 24 | | 425 | 389 | 316 | 238 | 171 | 116 | 94 | 126 | 189 | 252 | 304 | 346 | 368 | 352 | 298 | 229 | 171 | 127 | 103 | 118 | 171 | 239 | 304 | 357 |
| WED | 25 | | 395 | 398 | 360 | 295 | 230 | 177 | 139 | 130 | 157 | 205 | 253 | 290 | 320 | 333 | 316 | 269 | 215 | 173 | 146 | 136 | 152 | 195 | 251 | 302 |
| THU | 26 | | 344 | 371 | 371 | 339 | 287 | 235 | 194 | 166 | 157 | 174 | 207 | 241 | 269 | 294 | 306 | 294 | 260 | 221 | 190 | 171 | 163 | 173 | 203 | 246 |
| FRI | 27 | ◑ | 289 | 325 | 350 | 354 | 332 | 292 | 249 | 212 | 185 | 170 | 174 | 195 | 223 | 250 | 276 | 292 | 290 | 270 | 240 | 212 | 190 | 176 | 176 | 195 |
| SAT | 28 | | 231 | 272 | 311 | 339 | 350 | 339 | 306 | 265 | 224 | 190 | 167 | 161 | 176 | 206 | 240 | 271 | 294 | 304 | 291 | 262 | 227 | 197 | 174 | 165 |
| **MARCH 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 29 | | 178 | 214 | 261 | 306 | 340 | 359 | 352 | 319 | 271 | 223 | 181 | 151 | 142 | 161 | 200 | 242 | 280 | 311 | 326 | 312 | 274 | 229 | 190 | 161 |
| MON | 30 | | 147 | 161 | 207 | 262 | 313 | 352 | 374 | 364 | 322 | 264 | 208 | 162 | 130 | 125 | 158 | 208 | 257 | 301 | 337 | 348 | 323 | 271 | 217 | 173 |
| TUE | 31 | | 140 | 128 | 155 | 213 | 275 | 330 | 371 | 388 | 365 | 310 | 244 | 185 | 137 | 109 | 121 | 171 | 229 | 282 | 328 | 362 | 360 | 318 | 255 | 196 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

# GLADSTONE

LAT 23°50'S LONG 151°15'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

APRIL 2015

| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **APRIL 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WED | 1 | | 150 | 118 | 119 | 164 | 231 | 298 | 352 | 389 | 392 | 352 | 285 | 215 | 156 | 111 | 98 | 134 | 196 | 259 | 313 | 358 | 379 | 358 | 299 | 230 |
| THU | 2 | | 171 | 124 | 101 | 125 | 187 | 259 | 325 | 375 | 400 | 383 | 326 | 251 | 181 | 124 | 91 | 103 | 160 | 229 | 293 | 346 | 383 | 384 | 341 | 272 |
| FRI | 3 | | 202 | 143 | 101 | 99 | 147 | 217 | 289 | 351 | 392 | 398 | 359 | 289 | 213 | 146 | 96 | 84 | 126 | 196 | 265 | 328 | 376 | 396 | 373 | 314 |
| SAT | 4 | ○ | 241 | 173 | 116 | 88 | 114 | 179 | 250 | 318 | 372 | 397 | 380 | 323 | 248 | 174 | 113 | 80 | 98 | 163 | 235 | 302 | 360 | 397 | 394 | 349 |
| SUN | 5 | | 281 | 209 | 145 | 97 | 93 | 144 | 215 | 282 | 342 | 383 | 387 | 348 | 279 | 205 | 139 | 91 | 83 | 131 | 205 | 274 | 336 | 385 | 403 | 377 |
| MON | 6 | | 317 | 246 | 180 | 123 | 92 | 116 | 181 | 248 | 308 | 356 | 379 | 362 | 306 | 234 | 168 | 114 | 86 | 107 | 175 | 246 | 308 | 362 | 396 | 393 |
| TUE | 7 | | 348 | 280 | 215 | 158 | 113 | 105 | 151 | 217 | 275 | 324 | 357 | 361 | 326 | 262 | 195 | 140 | 104 | 100 | 146 | 218 | 281 | 335 | 376 | 393 |
| **APRIL 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WED | 8 | | 371 | 315 | 248 | 192 | 146 | 118 | 131 | 185 | 243 | 292 | 328 | 346 | 334 | 289 | 225 | 168 | 128 | 111 | 129 | 185 | 251 | 305 | 348 | 377 |
| THU | 9 | | 379 | 345 | 287 | 227 | 181 | 147 | 134 | 158 | 208 | 256 | 296 | 321 | 328 | 307 | 261 | 203 | 158 | 132 | 130 | 157 | 212 | 268 | 315 | 349 |
| FRI | 10 | | 368 | 362 | 327 | 273 | 221 | 183 | 157 | 151 | 173 | 214 | 255 | 287 | 306 | 310 | 290 | 249 | 200 | 165 | 147 | 149 | 175 | 221 | 269 | 311 |
| SAT | 11 | | 340 | 357 | 352 | 322 | 276 | 230 | 194 | 169 | 159 | 172 | 204 | 240 | 271 | 293 | 301 | 289 | 256 | 215 | 182 | 164 | 160 | 176 | 212 | 256 |
| SUN | 12 | ◐ | 296 | 328 | 350 | 353 | 333 | 293 | 248 | 208 | 175 | 154 | 156 | 181 | 219 | 256 | 287 | 305 | 304 | 280 | 241 | 203 | 174 | 158 | 162 | 190 |
| MON | 13 | | 233 | 279 | 320 | 352 | 366 | 355 | 317 | 267 | 217 | 172 | 138 | 130 | 153 | 199 | 248 | 291 | 322 | 331 | 311 | 268 | 217 | 175 | 146 | 139 |
| TUE | 14 | | 161 | 209 | 266 | 319 | 362 | 386 | 380 | 340 | 279 | 216 | 159 | 114 | 99 | 128 | 187 | 250 | 306 | 347 | 363 | 342 | 288 | 223 | 168 | 128 |
| **APRIL 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WED | 15 | | 112 | 133 | 192 | 260 | 324 | 378 | 407 | 400 | 352 | 280 | 205 | 139 | 87 | 72 | 114 | 189 | 263 | 330 | 378 | 394 | 365 | 298 | 220 | 157 |
| THU | 16 | | 108 | 85 | 113 | 185 | 263 | 335 | 394 | 424 | 409 | 351 | 269 | 188 | 116 | 60 | 54 | 116 | 202 | 284 | 359 | 409 | 418 | 376 | 297 | 213 |
| FRI | 17 | | 143 | 85 | 62 | 105 | 189 | 271 | 348 | 408 | 432 | 406 | 337 | 248 | 166 | 90 | 37 | 51 | 131 | 223 | 311 | 389 | 436 | 432 | 377 | 289 |
| SAT | 18 | | 203 | 127 | 64 | 51 | 112 | 200 | 282 | 359 | 416 | 428 | 390 | 312 | 223 | 141 | 67 | 27 | 67 | 157 | 249 | 339 | 416 | 453 | 433 | 366 |
| SUN | 19 | ● | 276 | 190 | 111 | 50 | 56 | 130 | 215 | 294 | 366 | 414 | 413 | 362 | 280 | 195 | 118 | 52 | 36 | 96 | 188 | 278 | 365 | 433 | 456 | 422 |
| MON | 20 | | 347 | 258 | 176 | 98 | 51 | 77 | 154 | 232 | 303 | 365 | 400 | 386 | 327 | 245 | 169 | 103 | 55 | 63 | 134 | 222 | 305 | 382 | 437 | 444 |
| TUE | 21 | | 399 | 321 | 239 | 163 | 96 | 69 | 108 | 180 | 247 | 305 | 354 | 376 | 352 | 289 | 214 | 151 | 102 | 76 | 103 | 173 | 252 | 325 | 387 | 426 |
| **APRIL 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WED | 22 | | 420 | 369 | 294 | 221 | 157 | 107 | 98 | 140 | 202 | 256 | 300 | 336 | 346 | 316 | 255 | 193 | 147 | 116 | 110 | 144 | 206 | 274 | 332 | 380 |
| THU | 23 | | 404 | 390 | 339 | 272 | 211 | 160 | 127 | 129 | 166 | 215 | 256 | 288 | 313 | 316 | 287 | 235 | 187 | 157 | 142 | 145 | 175 | 227 | 282 | 328 |
| FRI | 24 | | 363 | 378 | 361 | 316 | 259 | 210 | 171 | 149 | 152 | 180 | 217 | 248 | 273 | 293 | 295 | 271 | 232 | 198 | 177 | 168 | 170 | 192 | 232 | 277 |
| SAT | 25 | | 315 | 345 | 356 | 342 | 305 | 258 | 216 | 183 | 163 | 162 | 180 | 208 | 236 | 261 | 282 | 287 | 273 | 245 | 218 | 198 | 185 | 181 | 194 | 225 |
| SUN | 26 | ◑ | 264 | 301 | 331 | 344 | 336 | 306 | 264 | 223 | 188 | 165 | 158 | 170 | 196 | 227 | 258 | 282 | 295 | 289 | 266 | 237 | 210 | 189 | 177 | 184 |
| MON | 27 | | 210 | 251 | 293 | 326 | 343 | 340 | 312 | 269 | 222 | 183 | 156 | 145 | 157 | 188 | 228 | 265 | 295 | 314 | 311 | 284 | 247 | 210 | 181 | 163 |
| TUE | 28 | | 167 | 198 | 247 | 294 | 330 | 351 | 348 | 316 | 265 | 212 | 168 | 138 | 129 | 148 | 192 | 240 | 283 | 318 | 338 | 329 | 292 | 243 | 198 | 163 |
| **APRIL 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WED | 29 | | 144 | 154 | 196 | 252 | 304 | 342 | 363 | 354 | 310 | 250 | 192 | 146 | 117 | 117 | 152 | 207 | 262 | 310 | 346 | 360 | 337 | 286 | 228 | 178 |
| THU | 30 | | 141 | 127 | 151 | 205 | 267 | 320 | 358 | 372 | 349 | 293 | 225 | 165 | 121 | 100 | 117 | 170 | 233 | 292 | 341 | 372 | 371 | 331 | 269 | 206 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

**© Commonwealth of Australia 2013**

**Bureau of Meteorology** **National Tidal Centre**

**Datum of Predictions is Lowest Astronomical Tide**

● **New Moon** ◑ **First Quarter** ○ **Full Moon** ◐ **Last Quarter**

# GLADSTONE

LAT 23°50'S LONG 151°15'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

MAY 2015

| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MAY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FRI | 1 | | 154 | 118 | 118 | 160 | 224 | 287 | 339 | 371 | 373 | 333 | 266 | 195 | 136 | 97 | 92 | 133 | 198 | 264 | 325 | 371 | 391 | 369 | 314 | 245 |
| SAT | 2 | | 181 | 128 | 101 | 122 | 181 | 246 | 308 | 356 | 378 | 361 | 306 | 232 | 163 | 108 | 80 | 100 | 161 | 231 | 299 | 358 | 396 | 396 | 354 | 288 |
| SUN | 3 | | 219 | 154 | 105 | 96 | 140 | 206 | 270 | 328 | 368 | 374 | 338 | 271 | 197 | 131 | 85 | 77 | 124 | 197 | 267 | 334 | 387 | 410 | 388 | 330 |
| MON | 4 | ○ | 260 | 191 | 128 | 90 | 106 | 167 | 232 | 293 | 344 | 371 | 358 | 305 | 232 | 162 | 105 | 74 | 93 | 160 | 235 | 303 | 365 | 407 | 409 | 367 |
| TUE | 5 | | 299 | 230 | 165 | 108 | 89 | 128 | 195 | 257 | 312 | 352 | 362 | 331 | 268 | 196 | 134 | 89 | 79 | 124 | 200 | 270 | 334 | 387 | 413 | 395 |
| WED | 6 | | 339 | 268 | 204 | 143 | 99 | 102 | 156 | 220 | 277 | 323 | 350 | 344 | 299 | 231 | 166 | 115 | 87 | 101 | 162 | 236 | 300 | 357 | 398 | 406 |
| THU | 7 | | 372 | 309 | 241 | 183 | 131 | 103 | 124 | 182 | 239 | 289 | 325 | 340 | 321 | 269 | 203 | 147 | 110 | 100 | 130 | 196 | 263 | 320 | 368 | 396 |
| **MAY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FRI | 8 | | 391 | 348 | 285 | 222 | 171 | 129 | 115 | 145 | 199 | 249 | 291 | 320 | 326 | 300 | 247 | 187 | 142 | 118 | 120 | 157 | 219 | 278 | 329 | 367 |
| SAT | 9 | | 387 | 374 | 331 | 270 | 214 | 168 | 135 | 127 | 157 | 204 | 249 | 286 | 311 | 314 | 288 | 240 | 188 | 151 | 134 | 139 | 173 | 226 | 280 | 325 |
| SUN | 10 | | 360 | 376 | 364 | 324 | 269 | 216 | 172 | 141 | 132 | 155 | 197 | 240 | 277 | 304 | 310 | 291 | 249 | 203 | 168 | 150 | 149 | 173 | 218 | 269 |
| MON | 11 | ◐ | 314 | 349 | 369 | 363 | 329 | 277 | 224 | 178 | 141 | 126 | 142 | 181 | 227 | 270 | 304 | 319 | 308 | 273 | 226 | 186 | 159 | 148 | 161 | 200 |
| TUE | 12 | | 250 | 300 | 341 | 368 | 370 | 342 | 291 | 232 | 179 | 135 | 111 | 121 | 161 | 216 | 268 | 312 | 338 | 335 | 302 | 251 | 200 | 161 | 138 | 141 |
| WED | 13 | | 175 | 231 | 288 | 338 | 372 | 381 | 356 | 302 | 235 | 173 | 122 | 91 | 99 | 146 | 212 | 276 | 330 | 364 | 366 | 330 | 269 | 206 | 156 | 123 |
| THU | 14 | | 118 | 153 | 216 | 281 | 338 | 379 | 391 | 365 | 306 | 230 | 162 | 105 | 70 | 81 | 142 | 219 | 292 | 355 | 393 | 393 | 350 | 278 | 206 | 148 |
| **MAY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FRI | 15 | | 105 | 96 | 138 | 209 | 279 | 342 | 385 | 396 | 366 | 299 | 218 | 146 | 86 | 52 | 75 | 150 | 234 | 314 | 382 | 419 | 411 | 358 | 278 | 201 |
| SAT | 16 | | 136 | 86 | 80 | 134 | 210 | 282 | 346 | 389 | 395 | 356 | 282 | 199 | 127 | 67 | 42 | 83 | 168 | 256 | 340 | 408 | 439 | 419 | 356 | 272 |
| SUN | 17 | | 193 | 121 | 69 | 75 | 140 | 216 | 288 | 351 | 390 | 386 | 337 | 258 | 178 | 108 | 53 | 44 | 104 | 193 | 282 | 366 | 430 | 448 | 415 | 343 |
| MON | 18 | ● | 259 | 180 | 105 | 59 | 83 | 154 | 226 | 295 | 353 | 384 | 369 | 311 | 231 | 156 | 93 | 49 | 62 | 135 | 223 | 309 | 387 | 441 | 445 | 399 |
| TUE | 19 | | 323 | 242 | 164 | 92 | 62 | 102 | 172 | 239 | 300 | 351 | 372 | 345 | 280 | 203 | 138 | 86 | 60 | 92 | 169 | 253 | 332 | 400 | 440 | 429 |
| WED | 20 | | 374 | 297 | 221 | 148 | 89 | 79 | 127 | 193 | 252 | 302 | 343 | 352 | 316 | 248 | 180 | 128 | 91 | 85 | 129 | 204 | 281 | 348 | 402 | 425 |
| THU | 21 | | 403 | 343 | 269 | 200 | 139 | 97 | 104 | 154 | 213 | 261 | 301 | 330 | 328 | 286 | 221 | 166 | 129 | 109 | 118 | 166 | 234 | 300 | 354 | 393 |
| **MAY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FRI | 22 | | 402 | 371 | 311 | 243 | 185 | 137 | 114 | 131 | 178 | 227 | 265 | 295 | 314 | 303 | 261 | 205 | 163 | 141 | 134 | 151 | 196 | 254 | 309 | 350 |
| SAT | 23 | | 377 | 375 | 341 | 284 | 225 | 177 | 143 | 132 | 153 | 193 | 233 | 263 | 287 | 299 | 285 | 247 | 203 | 173 | 160 | 159 | 176 | 214 | 262 | 306 |
| SUN | 24 | | 340 | 359 | 352 | 318 | 267 | 216 | 176 | 151 | 146 | 165 | 198 | 231 | 258 | 280 | 289 | 278 | 248 | 214 | 190 | 178 | 176 | 188 | 218 | 258 |
| MON | 25 | | 298 | 329 | 343 | 335 | 305 | 260 | 214 | 178 | 155 | 151 | 166 | 194 | 226 | 256 | 279 | 289 | 283 | 260 | 231 | 207 | 190 | 182 | 188 | 212 |
| TUE | 26 | ◑ | 249 | 288 | 320 | 334 | 328 | 301 | 258 | 213 | 176 | 152 | 146 | 160 | 188 | 224 | 259 | 286 | 301 | 299 | 278 | 247 | 216 | 191 | 176 | 178 |
| WED | 27 | | 201 | 240 | 283 | 317 | 333 | 329 | 302 | 256 | 207 | 167 | 141 | 135 | 151 | 186 | 230 | 271 | 303 | 321 | 319 | 293 | 254 | 214 | 181 | 161 |
| THU | 28 | | 163 | 192 | 238 | 285 | 320 | 337 | 333 | 300 | 248 | 194 | 150 | 124 | 122 | 147 | 193 | 245 | 292 | 327 | 346 | 337 | 300 | 250 | 202 | 163 |
| **MAY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FRI | 29 | | 142 | 151 | 190 | 243 | 292 | 329 | 345 | 334 | 292 | 232 | 174 | 129 | 106 | 114 | 154 | 210 | 267 | 319 | 356 | 368 | 345 | 295 | 237 | 183 |
| SAT | 30 | | 141 | 124 | 146 | 197 | 253 | 304 | 339 | 351 | 329 | 275 | 209 | 149 | 106 | 91 | 115 | 171 | 234 | 296 | 350 | 382 | 381 | 341 | 281 | 218 |
| SUN | 31 | | 160 | 118 | 113 | 152 | 211 | 268 | 317 | 349 | 352 | 315 | 251 | 182 | 123 | 86 | 85 | 129 | 197 | 264 | 328 | 379 | 402 | 382 | 327 | 260 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

# GLADSTONE

LAT 23°50'S LONG 151°15'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

JUNE 2015

| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **JUNE 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MON | 1 | | 195 | 135 | 98 | 111 | 166 | 228 | 284 | 331 | 355 | 344 | 293 | 222 | 154 | 100 | 72 | 91 | 154 | 227 | 296 | 360 | 404 | 410 | 371 | 306 |
| TUE | 2 | | 237 | 170 | 111 | 87 | 120 | 184 | 246 | 301 | 342 | 356 | 328 | 266 | 192 | 128 | 81 | 69 | 109 | 185 | 259 | 328 | 387 | 420 | 407 | 353 |
| WED | 3 | ○ | 282 | 213 | 146 | 92 | 86 | 137 | 203 | 264 | 315 | 349 | 349 | 307 | 236 | 164 | 107 | 71 | 77 | 137 | 216 | 289 | 356 | 407 | 424 | 393 |
| THU | 4 | | 330 | 257 | 189 | 124 | 82 | 96 | 156 | 221 | 279 | 326 | 350 | 335 | 283 | 209 | 143 | 94 | 72 | 97 | 168 | 245 | 314 | 376 | 416 | 417 |
| FRI | 5 | | 374 | 306 | 235 | 169 | 110 | 82 | 112 | 174 | 235 | 290 | 330 | 344 | 319 | 260 | 188 | 130 | 92 | 84 | 123 | 196 | 267 | 332 | 386 | 415 |
| SAT | 6 | | 403 | 353 | 284 | 216 | 154 | 104 | 90 | 128 | 188 | 245 | 295 | 330 | 335 | 304 | 243 | 177 | 128 | 100 | 102 | 147 | 216 | 282 | 340 | 386 |
| SUN | 7 | | 406 | 387 | 335 | 267 | 202 | 146 | 104 | 100 | 140 | 195 | 250 | 295 | 326 | 328 | 295 | 237 | 177 | 136 | 115 | 121 | 164 | 225 | 286 | 339 |
| **JUNE 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MON | 8 | | 379 | 393 | 373 | 322 | 256 | 195 | 143 | 107 | 106 | 143 | 196 | 248 | 293 | 324 | 326 | 297 | 243 | 189 | 151 | 130 | 134 | 169 | 223 | 280 |
| TUE | 9 | | 329 | 367 | 381 | 364 | 316 | 253 | 193 | 143 | 109 | 106 | 138 | 190 | 244 | 291 | 325 | 333 | 310 | 261 | 209 | 168 | 143 | 138 | 163 | 211 |
| WED | 10 | ◐ | 266 | 316 | 354 | 372 | 359 | 316 | 254 | 193 | 142 | 106 | 99 | 128 | 182 | 240 | 293 | 334 | 349 | 332 | 286 | 231 | 183 | 149 | 134 | 149 |
| THU | 11 | | 193 | 249 | 301 | 344 | 366 | 359 | 319 | 258 | 193 | 138 | 98 | 87 | 116 | 174 | 240 | 301 | 349 | 371 | 358 | 312 | 250 | 193 | 149 | 124 |
| FRI | 12 | | 130 | 173 | 233 | 290 | 336 | 363 | 359 | 322 | 258 | 188 | 130 | 88 | 75 | 107 | 173 | 246 | 315 | 368 | 394 | 381 | 331 | 261 | 196 | 144 |
| SAT | 13 | | 109 | 112 | 159 | 223 | 283 | 332 | 361 | 359 | 320 | 252 | 179 | 119 | 76 | 66 | 106 | 180 | 259 | 334 | 391 | 415 | 396 | 339 | 263 | 193 |
| SUN | 14 | | 133 | 93 | 99 | 153 | 219 | 281 | 332 | 362 | 356 | 312 | 239 | 165 | 107 | 65 | 62 | 115 | 196 | 279 | 356 | 412 | 429 | 401 | 336 | 257 |
| **JUNE 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MON | 15 | | 184 | 118 | 78 | 96 | 156 | 222 | 284 | 334 | 361 | 348 | 296 | 220 | 150 | 94 | 58 | 69 | 135 | 218 | 302 | 378 | 428 | 433 | 393 | 322 |
| TUE | 16 | | 243 | 168 | 101 | 70 | 103 | 168 | 232 | 290 | 338 | 358 | 335 | 273 | 198 | 134 | 84 | 58 | 87 | 162 | 246 | 327 | 396 | 435 | 426 | 375 |
| WED | 17 | ● | 300 | 223 | 149 | 87 | 74 | 120 | 185 | 245 | 298 | 341 | 350 | 314 | 246 | 176 | 120 | 79 | 70 | 116 | 194 | 275 | 349 | 407 | 431 | 407 |
| THU | 18 | | 347 | 271 | 199 | 130 | 82 | 89 | 144 | 207 | 260 | 306 | 339 | 335 | 288 | 218 | 156 | 112 | 84 | 94 | 151 | 228 | 302 | 365 | 409 | 416 |
| FRI | 19 | | 379 | 312 | 240 | 173 | 116 | 88 | 114 | 171 | 228 | 273 | 311 | 332 | 314 | 260 | 194 | 143 | 112 | 100 | 126 | 187 | 259 | 323 | 373 | 401 |
| SAT | 20 | | 391 | 345 | 276 | 209 | 153 | 111 | 105 | 142 | 197 | 246 | 283 | 311 | 318 | 290 | 234 | 177 | 140 | 121 | 125 | 160 | 219 | 282 | 334 | 371 |
| SUN | 21 | | 383 | 362 | 310 | 244 | 185 | 140 | 116 | 127 | 167 | 217 | 257 | 287 | 306 | 302 | 269 | 218 | 173 | 147 | 139 | 152 | 189 | 241 | 294 | 335 |
| **JUNE 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MON | 22 | | 361 | 361 | 332 | 280 | 220 | 171 | 138 | 127 | 146 | 185 | 227 | 261 | 287 | 299 | 289 | 256 | 214 | 179 | 162 | 159 | 174 | 207 | 251 | 294 |
| TUE | 23 | | 328 | 346 | 339 | 307 | 259 | 207 | 165 | 141 | 138 | 158 | 193 | 230 | 261 | 285 | 294 | 283 | 256 | 222 | 194 | 179 | 175 | 186 | 212 | 249 |
| WED | 24 | ◑ | 286 | 316 | 331 | 322 | 292 | 248 | 201 | 165 | 144 | 143 | 161 | 194 | 229 | 261 | 286 | 296 | 288 | 267 | 237 | 210 | 191 | 181 | 185 | 207 |
| THU | 25 | | 240 | 276 | 306 | 320 | 312 | 285 | 244 | 199 | 163 | 142 | 139 | 158 | 191 | 228 | 264 | 293 | 307 | 304 | 284 | 252 | 220 | 193 | 175 | 174 |
| FRI | 26 | | 195 | 230 | 269 | 300 | 316 | 310 | 285 | 242 | 194 | 155 | 131 | 129 | 151 | 189 | 233 | 275 | 310 | 328 | 326 | 300 | 261 | 220 | 183 | 159 |
| SAT | 27 | | 158 | 183 | 224 | 267 | 301 | 319 | 314 | 285 | 236 | 184 | 141 | 116 | 117 | 147 | 195 | 245 | 294 | 334 | 354 | 345 | 309 | 260 | 210 | 165 |
| SUN | 28 | | 138 | 141 | 177 | 226 | 271 | 308 | 326 | 319 | 281 | 224 | 167 | 121 | 99 | 108 | 150 | 208 | 265 | 320 | 363 | 378 | 357 | 308 | 250 | 193 |
| **JUNE 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MON | 29 | | 142 | 116 | 130 | 178 | 233 | 281 | 318 | 335 | 320 | 271 | 206 | 145 | 101 | 83 | 105 | 162 | 228 | 291 | 350 | 391 | 396 | 359 | 298 | 233 |
| TUE | 30 | | 171 | 118 | 97 | 127 | 186 | 244 | 294 | 331 | 343 | 315 | 254 | 183 | 123 | 81 | 73 | 110 | 181 | 253 | 321 | 380 | 414 | 403 | 351 | 282 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

**© Commonwealth of Australia 2013**

**Bureau of Meteorology** **National Tidal Centre**

**Datum of Predictions is Lowest Astronomical Tide**

● **New Moon** ◑ **First Quarter** ○ **Full Moon** ◐ **Last Quarter**

# GLADSTONE

LAT 23°50'S LONG 151°15'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

JULY 2015

| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **JULY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WED | 1 | | 213 | 146 | 93 | 85 | 132 | 198 | 259 | 309 | 343 | 346 | 305 | 233 | 160 | 102 | 66 | 69 | 124 | 204 | 280 | 351 | 407 | 428 | 401 | 337 |
| THU | 2 | ○ | 263 | 191 | 121 | 73 | 81 | 143 | 212 | 275 | 325 | 353 | 343 | 290 | 211 | 139 | 85 | 56 | 74 | 145 | 228 | 307 | 377 | 426 | 432 | 391 |
| FRI | 3 | | 319 | 242 | 168 | 98 | 59 | 88 | 157 | 227 | 290 | 338 | 359 | 336 | 272 | 191 | 123 | 73 | 53 | 89 | 169 | 252 | 330 | 397 | 435 | 427 |
| SAT | 4 | | 375 | 298 | 220 | 146 | 79 | 57 | 101 | 172 | 241 | 303 | 348 | 359 | 325 | 254 | 175 | 112 | 70 | 62 | 112 | 194 | 273 | 347 | 407 | 433 |
| SUN | 5 | | 412 | 353 | 275 | 198 | 126 | 69 | 65 | 118 | 187 | 254 | 313 | 353 | 354 | 312 | 239 | 165 | 110 | 76 | 80 | 137 | 215 | 289 | 355 | 405 |
| MON | 6 | | 420 | 392 | 329 | 251 | 179 | 114 | 70 | 79 | 134 | 200 | 263 | 318 | 352 | 346 | 301 | 230 | 165 | 118 | 92 | 103 | 159 | 229 | 296 | 353 |
| TUE | 7 | | 393 | 400 | 369 | 305 | 232 | 165 | 110 | 78 | 94 | 146 | 209 | 269 | 319 | 348 | 341 | 297 | 232 | 174 | 133 | 112 | 124 | 171 | 233 | 292 |
| **JULY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WED | 8 | | 341 | 374 | 378 | 347 | 287 | 219 | 159 | 112 | 88 | 104 | 152 | 212 | 269 | 317 | 345 | 341 | 303 | 246 | 192 | 154 | 132 | 137 | 172 | 225 |
| THU | 9 | ◐ | 277 | 322 | 353 | 358 | 332 | 278 | 216 | 160 | 117 | 95 | 106 | 150 | 209 | 266 | 316 | 347 | 350 | 320 | 268 | 215 | 173 | 145 | 139 | 162 |
| FRI | 10 | | 208 | 257 | 302 | 334 | 344 | 324 | 278 | 219 | 163 | 120 | 96 | 103 | 143 | 203 | 263 | 318 | 356 | 366 | 343 | 293 | 236 | 187 | 149 | 131 |
| SAT | 11 | | 144 | 187 | 237 | 285 | 320 | 336 | 324 | 283 | 222 | 164 | 118 | 91 | 95 | 135 | 199 | 265 | 327 | 370 | 386 | 365 | 313 | 249 | 191 | 144 |
| SUN | 12 | | 116 | 125 | 169 | 223 | 275 | 314 | 335 | 328 | 286 | 222 | 159 | 112 | 84 | 86 | 132 | 201 | 275 | 341 | 388 | 404 | 380 | 322 | 251 | 186 |
| MON | 13 | | 132 | 99 | 111 | 161 | 219 | 273 | 315 | 339 | 330 | 283 | 213 | 150 | 103 | 75 | 83 | 138 | 213 | 292 | 360 | 407 | 416 | 383 | 317 | 242 |
| TUE | 14 | | 173 | 114 | 83 | 107 | 164 | 225 | 279 | 323 | 344 | 327 | 271 | 198 | 137 | 92 | 67 | 88 | 154 | 235 | 314 | 381 | 420 | 417 | 372 | 300 |
| **JULY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WED | 15 | | 224 | 154 | 94 | 76 | 116 | 178 | 238 | 291 | 333 | 346 | 315 | 249 | 178 | 122 | 81 | 67 | 106 | 181 | 263 | 339 | 399 | 426 | 406 | 349 |
| THU | 16 | ● | 273 | 199 | 130 | 79 | 83 | 136 | 200 | 256 | 306 | 341 | 340 | 294 | 223 | 157 | 108 | 74 | 78 | 135 | 214 | 294 | 362 | 410 | 419 | 383 |
| FRI | 17 | | 316 | 240 | 170 | 107 | 75 | 102 | 164 | 225 | 276 | 320 | 343 | 324 | 266 | 195 | 137 | 96 | 77 | 103 | 171 | 251 | 323 | 380 | 412 | 401 |
| SAT | 18 | | 350 | 276 | 204 | 140 | 91 | 85 | 131 | 195 | 251 | 295 | 330 | 335 | 300 | 235 | 169 | 122 | 93 | 94 | 139 | 211 | 284 | 345 | 388 | 400 |
| SUN | 19 | | 371 | 309 | 236 | 170 | 117 | 89 | 109 | 165 | 224 | 273 | 309 | 330 | 319 | 272 | 207 | 151 | 116 | 102 | 123 | 178 | 246 | 310 | 358 | 384 |
| MON | 20 | | 377 | 334 | 268 | 199 | 144 | 106 | 102 | 139 | 195 | 248 | 288 | 316 | 322 | 296 | 245 | 187 | 144 | 122 | 124 | 158 | 213 | 272 | 322 | 357 |
| TUE | 21 | | 368 | 346 | 295 | 231 | 172 | 129 | 110 | 125 | 167 | 218 | 262 | 295 | 313 | 307 | 275 | 226 | 180 | 149 | 138 | 151 | 188 | 236 | 284 | 322 |
| **JULY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WED | 22 | | 345 | 344 | 313 | 262 | 206 | 158 | 128 | 123 | 147 | 187 | 232 | 268 | 294 | 305 | 294 | 261 | 221 | 186 | 165 | 160 | 175 | 205 | 245 | 282 |
| THU | 23 | | 311 | 326 | 319 | 287 | 240 | 193 | 156 | 135 | 137 | 160 | 197 | 235 | 267 | 290 | 300 | 288 | 261 | 229 | 200 | 183 | 177 | 186 | 208 | 240 |
| FRI | 24 | ◑ | 271 | 295 | 308 | 300 | 271 | 232 | 191 | 159 | 142 | 143 | 164 | 198 | 233 | 264 | 289 | 302 | 295 | 273 | 245 | 217 | 196 | 183 | 182 | 198 |
| SAT | 25 | | 227 | 256 | 282 | 297 | 292 | 269 | 233 | 194 | 161 | 141 | 138 | 158 | 192 | 230 | 265 | 296 | 315 | 313 | 294 | 262 | 229 | 198 | 174 | 166 |
| SUN | 26 | | 181 | 211 | 246 | 276 | 295 | 295 | 275 | 238 | 195 | 156 | 130 | 126 | 147 | 186 | 231 | 274 | 313 | 338 | 339 | 315 | 274 | 230 | 188 | 154 |
| MON | 27 | | 143 | 161 | 201 | 243 | 279 | 303 | 307 | 285 | 240 | 188 | 142 | 112 | 109 | 136 | 185 | 239 | 291 | 338 | 366 | 364 | 329 | 276 | 222 | 169 |
| TUE | 28 | | 128 | 118 | 147 | 198 | 248 | 289 | 317 | 321 | 292 | 236 | 174 | 123 | 93 | 92 | 129 | 191 | 255 | 315 | 367 | 395 | 383 | 334 | 270 | 206 |
| **JULY 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WED | 29 | | 145 | 101 | 97 | 141 | 203 | 259 | 305 | 334 | 334 | 292 | 224 | 155 | 103 | 73 | 78 | 129 | 204 | 277 | 344 | 398 | 418 | 392 | 329 | 256 |
| THU | 30 | | 185 | 118 | 73 | 83 | 144 | 214 | 275 | 324 | 352 | 341 | 286 | 207 | 136 | 83 | 54 | 70 | 139 | 223 | 302 | 374 | 424 | 433 | 392 | 318 |
| FRI | 31 | ○ | 238 | 162 | 90 | 50 | 79 | 154 | 228 | 293 | 344 | 367 | 343 | 275 | 190 | 118 | 65 | 40 | 72 | 156 | 245 | 328 | 401 | 443 | 437 | 382 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

# GLADSTONE

LAT 23°50'S LONG 151°15'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

AUGUST 2015

| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **AUGUST 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAT | 1 | | 300 | 216 | 135 | 62 | 37 | 87 | 167 | 244 | 313 | 363 | 376 | 338 | 260 | 174 | 103 | 51 | 34 | 86 | 177 | 267 | 351 | 419 | 450 | 428 |
| SUN | 2 | | 363 | 276 | 192 | 109 | 41 | 38 | 103 | 184 | 262 | 331 | 377 | 378 | 328 | 244 | 160 | 93 | 45 | 43 | 110 | 201 | 287 | 366 | 426 | 443 |
| MON | 3 | | 409 | 336 | 249 | 166 | 87 | 35 | 54 | 125 | 203 | 279 | 345 | 382 | 371 | 314 | 229 | 152 | 91 | 52 | 67 | 139 | 223 | 302 | 371 | 418 |
| TUE | 4 | | 421 | 379 | 303 | 220 | 144 | 77 | 45 | 78 | 148 | 222 | 292 | 351 | 378 | 360 | 299 | 219 | 151 | 99 | 73 | 98 | 165 | 239 | 306 | 362 |
| WED | 5 | | 396 | 391 | 345 | 271 | 196 | 131 | 80 | 66 | 103 | 167 | 236 | 298 | 349 | 368 | 347 | 289 | 219 | 161 | 119 | 102 | 127 | 182 | 244 | 298 |
| THU | 6 | | 342 | 366 | 358 | 314 | 248 | 184 | 131 | 94 | 88 | 122 | 179 | 241 | 297 | 340 | 358 | 340 | 290 | 230 | 180 | 145 | 129 | 144 | 185 | 234 |
| FRI | 7 | ◐ | 279 | 315 | 336 | 330 | 294 | 239 | 184 | 140 | 110 | 104 | 130 | 180 | 236 | 289 | 332 | 352 | 342 | 303 | 252 | 205 | 168 | 146 | 148 | 174 |
| **AUGUST 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAT | 8 | | 214 | 254 | 290 | 313 | 314 | 289 | 244 | 194 | 151 | 120 | 110 | 127 | 171 | 226 | 281 | 328 | 355 | 355 | 326 | 277 | 226 | 183 | 150 | 138 |
| SUN | 9 | | 153 | 190 | 232 | 272 | 300 | 311 | 296 | 257 | 204 | 157 | 122 | 106 | 117 | 159 | 218 | 279 | 332 | 367 | 374 | 349 | 297 | 237 | 184 | 141 |
| MON | 10 | | 119 | 130 | 171 | 219 | 265 | 300 | 319 | 309 | 267 | 208 | 155 | 117 | 96 | 104 | 151 | 217 | 286 | 344 | 384 | 393 | 363 | 302 | 235 | 175 |
| TUE | 11 | | 124 | 98 | 116 | 165 | 220 | 269 | 310 | 332 | 318 | 267 | 201 | 146 | 106 | 83 | 98 | 155 | 229 | 302 | 362 | 402 | 403 | 362 | 293 | 221 |
| WED | 12 | | 156 | 102 | 83 | 116 | 173 | 232 | 283 | 326 | 342 | 317 | 254 | 185 | 132 | 91 | 73 | 103 | 173 | 252 | 325 | 383 | 413 | 400 | 346 | 270 |
| THU | 13 | | 197 | 131 | 82 | 81 | 131 | 194 | 252 | 303 | 341 | 344 | 302 | 231 | 164 | 114 | 77 | 73 | 124 | 202 | 282 | 351 | 401 | 415 | 383 | 315 |
| FRI | 14 | | 238 | 167 | 104 | 70 | 95 | 157 | 222 | 277 | 324 | 351 | 335 | 277 | 203 | 142 | 95 | 68 | 89 | 157 | 238 | 314 | 375 | 411 | 403 | 352 |
| **AUGUST 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAT | 15 | ● | 276 | 201 | 133 | 81 | 74 | 123 | 191 | 252 | 303 | 342 | 350 | 314 | 245 | 174 | 120 | 81 | 74 | 120 | 197 | 276 | 343 | 392 | 407 | 376 |
| SUN | 16 | | 311 | 233 | 162 | 103 | 72 | 96 | 159 | 226 | 281 | 325 | 350 | 336 | 284 | 212 | 149 | 102 | 78 | 98 | 161 | 238 | 309 | 365 | 396 | 387 |
| MON | 17 | | 338 | 265 | 190 | 128 | 84 | 82 | 131 | 197 | 257 | 306 | 339 | 345 | 312 | 250 | 183 | 130 | 95 | 93 | 136 | 204 | 273 | 332 | 373 | 383 |
| TUE | 18 | | 353 | 292 | 219 | 154 | 105 | 84 | 110 | 169 | 231 | 283 | 321 | 341 | 328 | 281 | 219 | 163 | 122 | 103 | 123 | 177 | 240 | 297 | 341 | 365 |
| WED | 19 | | 356 | 312 | 247 | 182 | 130 | 99 | 103 | 145 | 203 | 256 | 298 | 326 | 331 | 304 | 253 | 198 | 154 | 127 | 126 | 158 | 211 | 263 | 307 | 336 |
| THU | 20 | | 344 | 321 | 271 | 211 | 159 | 122 | 110 | 131 | 177 | 227 | 271 | 302 | 320 | 314 | 281 | 234 | 191 | 159 | 145 | 154 | 187 | 230 | 271 | 301 |
| FRI | 21 | | 318 | 316 | 288 | 240 | 190 | 151 | 129 | 129 | 155 | 197 | 239 | 274 | 299 | 310 | 301 | 269 | 230 | 197 | 175 | 166 | 176 | 201 | 233 | 264 |
| **AUGUST 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAT | 22 | | 286 | 297 | 292 | 265 | 225 | 186 | 156 | 141 | 144 | 167 | 202 | 240 | 270 | 292 | 304 | 298 | 273 | 242 | 213 | 193 | 181 | 181 | 196 | 221 |
| SUN | 23 | ◑ | 247 | 268 | 281 | 280 | 259 | 227 | 193 | 166 | 149 | 147 | 164 | 196 | 232 | 263 | 290 | 308 | 309 | 291 | 262 | 231 | 204 | 181 | 170 | 176 |
| MON | 24 | | 200 | 228 | 255 | 275 | 282 | 269 | 241 | 205 | 171 | 146 | 136 | 149 | 181 | 221 | 260 | 296 | 324 | 333 | 318 | 284 | 244 | 205 | 168 | 146 |
| TUE | 25 | | 149 | 177 | 216 | 253 | 282 | 296 | 289 | 258 | 213 | 167 | 132 | 117 | 128 | 165 | 216 | 266 | 313 | 351 | 364 | 345 | 300 | 247 | 194 | 145 |
| WED | 26 | | 115 | 121 | 161 | 213 | 261 | 298 | 319 | 311 | 271 | 211 | 154 | 112 | 93 | 106 | 154 | 218 | 281 | 339 | 382 | 394 | 365 | 306 | 239 | 175 |
| THU | 27 | | 117 | 83 | 98 | 156 | 221 | 277 | 321 | 344 | 329 | 274 | 201 | 137 | 91 | 69 | 88 | 151 | 229 | 303 | 368 | 412 | 417 | 374 | 301 | 223 |
| FRI | 28 | | 151 | 85 | 54 | 87 | 161 | 235 | 299 | 347 | 366 | 339 | 269 | 186 | 118 | 68 | 46 | 78 | 160 | 247 | 328 | 397 | 437 | 428 | 371 | 286 |
| **AUGUST 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAT | 29 | | 203 | 123 | 53 | 33 | 89 | 174 | 254 | 324 | 373 | 383 | 341 | 259 | 171 | 101 | 47 | 29 | 82 | 176 | 267 | 353 | 421 | 451 | 426 | 356 |
| SUN | 30 | ○ | 265 | 178 | 92 | 25 | 28 | 103 | 192 | 276 | 349 | 395 | 392 | 336 | 245 | 158 | 86 | 30 | 26 | 98 | 196 | 287 | 372 | 435 | 450 | 411 |
| MON | 31 | | 331 | 238 | 150 | 64 | 11 | 40 | 126 | 214 | 298 | 371 | 408 | 391 | 323 | 231 | 147 | 75 | 25 | 41 | 124 | 218 | 304 | 382 | 433 | 433 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

**© Commonwealth of Australia 2013**

**Bureau of Meteorology** **National Tidal Centre**

**Datum of Predictions is Lowest Astronomical Tide**

● **New Moon** ◑ **First Quarter** ○ **Full Moon** ◐ **Last Quarter**

# GLADSTONE

LAT 23°50'S LONG 151°15'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

SEPTEMBER 2015

| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SEPTEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TUE | 1 | | 383 | 297 | 207 | 123 | 47 | 17 | 67 | 152 | 237 | 318 | 384 | 409 | 380 | 306 | 217 | 139 | 73 | 37 | 71 | 153 | 237 | 314 | 379 | 415 |
| WED | 2 | | 403 | 345 | 260 | 179 | 106 | 47 | 42 | 100 | 179 | 257 | 330 | 385 | 399 | 362 | 288 | 208 | 139 | 85 | 66 | 107 | 179 | 249 | 311 | 361 |
| THU | 3 | | 384 | 364 | 305 | 228 | 160 | 103 | 66 | 76 | 131 | 201 | 270 | 332 | 375 | 381 | 343 | 276 | 207 | 150 | 109 | 101 | 137 | 194 | 250 | 296 |
| FRI | 4 | | 333 | 347 | 326 | 273 | 209 | 155 | 115 | 93 | 107 | 153 | 213 | 271 | 323 | 358 | 363 | 331 | 275 | 218 | 171 | 139 | 131 | 153 | 194 | 236 |
| SAT | 5 | ◐ | 272 | 301 | 314 | 299 | 258 | 208 | 166 | 135 | 118 | 126 | 161 | 211 | 262 | 308 | 343 | 351 | 330 | 286 | 238 | 196 | 163 | 147 | 154 | 180 |
| SUN | 6 | | 213 | 246 | 276 | 293 | 289 | 262 | 222 | 184 | 153 | 132 | 130 | 154 | 198 | 247 | 296 | 334 | 351 | 341 | 307 | 260 | 214 | 174 | 146 | 140 |
| MON | 7 | | 157 | 190 | 227 | 262 | 288 | 296 | 279 | 242 | 198 | 161 | 133 | 123 | 139 | 182 | 237 | 292 | 336 | 362 | 360 | 326 | 274 | 219 | 170 | 132 |
| **SEPTEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TUE | 8 | | 117 | 135 | 175 | 221 | 264 | 298 | 314 | 299 | 255 | 202 | 157 | 123 | 107 | 123 | 174 | 237 | 299 | 349 | 379 | 376 | 336 | 273 | 210 | 154 |
| WED | 9 | | 111 | 96 | 125 | 176 | 230 | 278 | 318 | 334 | 310 | 254 | 193 | 144 | 107 | 90 | 117 | 179 | 251 | 316 | 368 | 395 | 381 | 329 | 257 | 189 |
| THU | 10 | | 131 | 87 | 86 | 132 | 192 | 250 | 301 | 340 | 345 | 306 | 239 | 175 | 126 | 88 | 82 | 126 | 199 | 274 | 339 | 387 | 402 | 371 | 305 | 229 |
| FRI | 11 | | 161 | 103 | 71 | 94 | 155 | 219 | 277 | 327 | 356 | 343 | 287 | 214 | 152 | 104 | 74 | 88 | 151 | 230 | 304 | 364 | 401 | 396 | 346 | 270 |
| SAT | 12 | | 194 | 128 | 78 | 70 | 118 | 187 | 252 | 307 | 350 | 361 | 327 | 258 | 186 | 128 | 84 | 71 | 111 | 186 | 265 | 334 | 385 | 402 | 374 | 308 |
| SUN | 13 | ● | 228 | 156 | 96 | 64 | 88 | 154 | 224 | 286 | 336 | 364 | 352 | 299 | 225 | 157 | 104 | 71 | 85 | 147 | 225 | 300 | 360 | 395 | 388 | 339 |
| MON | 14 | | 263 | 185 | 119 | 72 | 70 | 122 | 194 | 261 | 317 | 357 | 365 | 331 | 265 | 193 | 132 | 86 | 75 | 117 | 189 | 263 | 328 | 375 | 389 | 358 |
| **SEPTEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TUE | 15 | | 294 | 216 | 145 | 90 | 66 | 97 | 165 | 233 | 294 | 341 | 365 | 351 | 299 | 231 | 166 | 113 | 82 | 98 | 158 | 229 | 293 | 345 | 374 | 365 |
| WED | 16 | | 316 | 244 | 173 | 114 | 77 | 84 | 138 | 207 | 268 | 319 | 354 | 358 | 324 | 264 | 200 | 146 | 105 | 96 | 135 | 199 | 260 | 312 | 348 | 357 |
| THU | 17 | | 328 | 268 | 200 | 141 | 99 | 86 | 118 | 181 | 242 | 293 | 332 | 352 | 339 | 293 | 233 | 179 | 137 | 114 | 125 | 174 | 231 | 280 | 316 | 335 |
| FRI | 18 | | 327 | 286 | 225 | 167 | 124 | 102 | 112 | 158 | 216 | 266 | 306 | 333 | 339 | 314 | 265 | 213 | 171 | 142 | 134 | 157 | 202 | 248 | 284 | 307 |
| SAT | 19 | | 313 | 295 | 251 | 197 | 153 | 125 | 119 | 141 | 187 | 236 | 277 | 307 | 325 | 323 | 296 | 251 | 208 | 176 | 157 | 156 | 178 | 213 | 248 | 274 |
| SUN | 20 | | 289 | 290 | 270 | 231 | 188 | 155 | 138 | 139 | 161 | 200 | 240 | 275 | 300 | 315 | 314 | 290 | 253 | 217 | 190 | 173 | 168 | 181 | 206 | 234 |
| MON | 21 | ◑ | 256 | 271 | 275 | 262 | 232 | 197 | 170 | 153 | 150 | 164 | 194 | 231 | 264 | 292 | 312 | 317 | 302 | 271 | 237 | 206 | 181 | 165 | 166 | 184 |
| **SEPTEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TUE | 22 | | 212 | 239 | 262 | 275 | 271 | 249 | 218 | 186 | 161 | 146 | 150 | 175 | 213 | 252 | 288 | 319 | 334 | 327 | 297 | 257 | 216 | 177 | 147 | 138 |
| WED | 23 | | 155 | 190 | 229 | 264 | 289 | 295 | 277 | 240 | 195 | 157 | 130 | 127 | 150 | 194 | 246 | 294 | 336 | 361 | 357 | 323 | 270 | 214 | 162 | 119 |
| THU | 24 | | 104 | 127 | 177 | 231 | 279 | 313 | 326 | 305 | 254 | 194 | 143 | 108 | 99 | 124 | 182 | 248 | 309 | 361 | 391 | 385 | 339 | 271 | 203 | 138 |
| FRI | 25 | | 87 | 71 | 109 | 177 | 244 | 302 | 344 | 356 | 325 | 258 | 184 | 125 | 84 | 71 | 106 | 180 | 258 | 329 | 388 | 418 | 402 | 342 | 261 | 183 |
| SAT | 26 | | 111 | 54 | 47 | 105 | 188 | 264 | 331 | 376 | 380 | 334 | 253 | 171 | 107 | 59 | 48 | 100 | 188 | 273 | 352 | 412 | 435 | 406 | 333 | 243 |
| SUN | 27 | | 159 | 80 | 24 | 36 | 116 | 206 | 290 | 362 | 404 | 395 | 334 | 243 | 158 | 89 | 36 | 35 | 107 | 202 | 291 | 372 | 429 | 439 | 395 | 311 |
| MON | 28 | ○ | 218 | 131 | 50 | 5 | 44 | 137 | 230 | 318 | 390 | 423 | 399 | 326 | 231 | 147 | 72 | 21 | 39 | 125 | 219 | 306 | 385 | 433 | 428 | 372 |
| **SEPTEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TUE | 29 | | 282 | 189 | 104 | 28 | 6 | 68 | 164 | 256 | 343 | 411 | 431 | 393 | 312 | 219 | 136 | 61 | 21 | 59 | 148 | 235 | 317 | 387 | 422 | 404 |
| WED | 30 | | 337 | 247 | 162 | 83 | 22 | 27 | 102 | 193 | 280 | 362 | 419 | 425 | 377 | 294 | 207 | 129 | 61 | 39 | 90 | 172 | 249 | 319 | 376 | 397 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

# GLADSTONE

LAT 23°50'S LONG 151°15'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

OCTOBER 2015

| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **OCTOBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THU | 1 | | 368 | 297 | 214 | 140 | 76 | 38 | 64 | 138 | 220 | 299 | 369 | 413 | 407 | 355 | 275 | 198 | 130 | 77 | 71 | 122 | 192 | 256 | 310 | 352 |
| FRI | 2 | | 361 | 328 | 260 | 189 | 131 | 87 | 70 | 103 | 169 | 241 | 306 | 363 | 394 | 383 | 332 | 262 | 197 | 141 | 103 | 106 | 148 | 203 | 251 | 290 |
| SAT | 3 | | 321 | 324 | 293 | 235 | 180 | 139 | 111 | 106 | 135 | 189 | 248 | 301 | 347 | 371 | 361 | 317 | 258 | 205 | 161 | 132 | 132 | 161 | 201 | 236 |
| SUN | 4 | | 266 | 291 | 296 | 272 | 229 | 188 | 159 | 139 | 134 | 152 | 194 | 242 | 288 | 328 | 351 | 346 | 313 | 266 | 220 | 181 | 152 | 144 | 159 | 187 |
| MON | 5 | ◐ | 216 | 245 | 271 | 282 | 271 | 241 | 209 | 181 | 158 | 146 | 154 | 184 | 227 | 273 | 314 | 341 | 344 | 321 | 280 | 234 | 192 | 158 | 140 | 144 |
| TUE | 6 | | 167 | 198 | 234 | 266 | 287 | 287 | 264 | 230 | 195 | 164 | 143 | 142 | 167 | 213 | 264 | 310 | 343 | 353 | 335 | 292 | 240 | 191 | 150 | 124 |
| WED | 7 | | 123 | 151 | 192 | 236 | 276 | 305 | 310 | 286 | 242 | 196 | 157 | 130 | 124 | 153 | 207 | 266 | 317 | 354 | 367 | 344 | 293 | 232 | 177 | 131 |
| **OCTOBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THU | 8 | | 102 | 108 | 149 | 201 | 252 | 297 | 330 | 331 | 295 | 239 | 184 | 141 | 111 | 110 | 151 | 215 | 279 | 332 | 370 | 376 | 342 | 280 | 212 | 153 |
| FRI | 9 | | 106 | 84 | 107 | 163 | 223 | 278 | 326 | 353 | 340 | 288 | 222 | 165 | 119 | 93 | 107 | 164 | 235 | 301 | 353 | 384 | 375 | 325 | 253 | 182 |
| SAT | 10 | | 124 | 82 | 78 | 124 | 190 | 254 | 310 | 353 | 365 | 332 | 267 | 198 | 141 | 97 | 83 | 119 | 189 | 262 | 326 | 372 | 389 | 360 | 295 | 217 |
| SUN | 11 | | 148 | 94 | 67 | 90 | 154 | 225 | 289 | 342 | 373 | 364 | 311 | 238 | 170 | 115 | 80 | 89 | 145 | 220 | 292 | 349 | 384 | 380 | 332 | 256 |
| MON | 12 | | 178 | 113 | 69 | 68 | 119 | 192 | 263 | 324 | 368 | 380 | 347 | 282 | 208 | 143 | 92 | 74 | 110 | 179 | 252 | 319 | 367 | 384 | 357 | 292 |
| TUE | 13 | ● | 212 | 139 | 83 | 60 | 90 | 159 | 232 | 300 | 354 | 383 | 371 | 320 | 249 | 179 | 118 | 78 | 87 | 144 | 215 | 282 | 339 | 373 | 368 | 320 |
| WED | 14 | | 247 | 171 | 106 | 66 | 71 | 128 | 203 | 271 | 332 | 375 | 383 | 349 | 286 | 217 | 153 | 100 | 80 | 115 | 181 | 247 | 305 | 349 | 364 | 337 |
| **OCTOBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THU | 15 | | 275 | 201 | 135 | 85 | 68 | 103 | 174 | 243 | 304 | 354 | 381 | 368 | 317 | 251 | 189 | 134 | 95 | 100 | 152 | 216 | 272 | 318 | 345 | 340 |
| FRI | 16 | | 297 | 229 | 163 | 111 | 81 | 91 | 147 | 217 | 276 | 327 | 363 | 372 | 342 | 284 | 222 | 169 | 125 | 105 | 130 | 186 | 241 | 287 | 319 | 330 |
| SAT | 17 | | 308 | 256 | 192 | 139 | 104 | 95 | 126 | 188 | 249 | 298 | 337 | 360 | 354 | 314 | 256 | 202 | 160 | 129 | 125 | 160 | 210 | 255 | 289 | 308 |
| SUN | 18 | | 307 | 277 | 224 | 170 | 131 | 113 | 120 | 160 | 216 | 267 | 307 | 336 | 349 | 335 | 293 | 241 | 196 | 162 | 141 | 145 | 177 | 218 | 254 | 279 |
| MON | 19 | | 292 | 286 | 256 | 210 | 167 | 139 | 131 | 143 | 179 | 227 | 270 | 304 | 329 | 338 | 324 | 287 | 241 | 201 | 171 | 153 | 154 | 177 | 210 | 242 |
| TUE | 20 | | 265 | 279 | 276 | 253 | 216 | 180 | 157 | 147 | 154 | 181 | 220 | 260 | 294 | 321 | 335 | 327 | 296 | 254 | 215 | 181 | 156 | 147 | 161 | 191 |
| WED | 21 | ◑ | 224 | 253 | 275 | 282 | 269 | 238 | 203 | 174 | 154 | 149 | 165 | 200 | 243 | 283 | 318 | 341 | 342 | 317 | 275 | 228 | 185 | 147 | 127 | 134 |
| **OCTOBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THU | 22 | | 166 | 208 | 249 | 283 | 302 | 298 | 268 | 225 | 183 | 149 | 132 | 140 | 175 | 226 | 278 | 324 | 357 | 365 | 342 | 293 | 234 | 178 | 129 | 99 |
| FRI | 23 | | 103 | 144 | 201 | 257 | 304 | 333 | 332 | 297 | 239 | 182 | 136 | 109 | 111 | 151 | 215 | 279 | 336 | 377 | 389 | 362 | 302 | 230 | 163 | 104 |
| SAT | 24 | | 68 | 77 | 134 | 207 | 275 | 333 | 367 | 363 | 317 | 244 | 174 | 119 | 84 | 85 | 136 | 213 | 286 | 351 | 396 | 406 | 371 | 299 | 216 | 142 |
| SUN | 25 | | 76 | 39 | 62 | 138 | 222 | 301 | 365 | 399 | 386 | 325 | 240 | 164 | 102 | 60 | 66 | 133 | 218 | 297 | 366 | 411 | 413 | 366 | 284 | 196 |
| MON | 26 | | 117 | 48 | 19 | 64 | 155 | 245 | 331 | 398 | 424 | 397 | 323 | 232 | 153 | 84 | 40 | 60 | 140 | 227 | 308 | 378 | 417 | 408 | 349 | 260 |
| TUE | 27 | ○ | 171 | 91 | 26 | 15 | 82 | 179 | 273 | 361 | 424 | 439 | 396 | 314 | 223 | 141 | 68 | 29 | 67 | 154 | 238 | 317 | 383 | 413 | 391 | 322 |
| WED | 28 | | 231 | 146 | 70 | 15 | 29 | 112 | 208 | 300 | 385 | 440 | 440 | 386 | 300 | 212 | 130 | 57 | 33 | 87 | 171 | 249 | 322 | 380 | 398 | 363 |
| **OCTOBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THU | 29 | | 289 | 202 | 125 | 58 | 23 | 59 | 146 | 236 | 323 | 399 | 441 | 428 | 367 | 282 | 200 | 122 | 59 | 53 | 113 | 189 | 257 | 319 | 366 | 372 |
| FRI | 30 | | 329 | 254 | 177 | 113 | 62 | 49 | 98 | 180 | 262 | 337 | 400 | 428 | 406 | 342 | 263 | 190 | 121 | 74 | 82 | 140 | 204 | 260 | 308 | 343 |
| SAT | 31 | | 340 | 294 | 224 | 161 | 114 | 83 | 87 | 137 | 208 | 279 | 340 | 389 | 405 | 378 | 317 | 248 | 184 | 129 | 98 | 113 | 161 | 214 | 256 | 292 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

**© Commonwealth of Australia 2013**

**Bureau of Meteorology** **National Tidal Centre**

**Datum of Predictions is Lowest Astronomical Tide**

● **New Moon** ◑ **First Quarter** ○ **Full Moon** ◐ **Last Quarter**

# GLADSTONE

LAT 23°50'S LONG 151°15'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

NOVEMBER 2015

| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NOVEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 1 | | 316 | 309 | 266 | 207 | 160 | 130 | 113 | 123 | 166 | 226 | 283 | 332 | 370 | 379 | 353 | 298 | 239 | 186 | 144 | 123 | 135 | 173 | 213 | 244 |
| MON | 2 | | 274 | 293 | 286 | 251 | 207 | 173 | 153 | 142 | 150 | 182 | 230 | 277 | 318 | 350 | 358 | 335 | 289 | 238 | 193 | 158 | 139 | 146 | 173 | 204 |
| TUE | 3 | ◐ | 232 | 260 | 279 | 278 | 254 | 222 | 195 | 175 | 161 | 161 | 183 | 222 | 264 | 305 | 335 | 345 | 328 | 289 | 243 | 200 | 165 | 143 | 144 | 163 |
| WED | 4 | | 191 | 223 | 255 | 279 | 286 | 272 | 244 | 215 | 188 | 166 | 158 | 173 | 208 | 254 | 297 | 329 | 342 | 331 | 294 | 246 | 199 | 161 | 136 | 131 |
| THU | 5 | | 149 | 184 | 224 | 262 | 292 | 306 | 295 | 263 | 224 | 188 | 158 | 145 | 158 | 199 | 251 | 298 | 333 | 348 | 336 | 296 | 242 | 189 | 147 | 119 |
| FRI | 6 | | 116 | 142 | 188 | 236 | 280 | 316 | 331 | 313 | 271 | 221 | 176 | 142 | 129 | 148 | 199 | 257 | 308 | 343 | 358 | 338 | 288 | 226 | 169 | 125 |
| SAT | 7 | | 100 | 106 | 147 | 204 | 260 | 308 | 344 | 351 | 319 | 264 | 206 | 157 | 122 | 115 | 149 | 210 | 272 | 322 | 356 | 363 | 331 | 269 | 201 | 143 |
| **NOVEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 8 | | 101 | 85 | 110 | 167 | 231 | 291 | 340 | 368 | 359 | 311 | 245 | 183 | 133 | 103 | 112 | 162 | 228 | 291 | 339 | 367 | 360 | 312 | 240 | 170 |
| MON | 9 | | 113 | 79 | 82 | 129 | 196 | 265 | 326 | 370 | 383 | 353 | 291 | 221 | 158 | 109 | 92 | 122 | 184 | 251 | 312 | 355 | 370 | 345 | 282 | 206 |
| TUE | 10 | | 137 | 86 | 67 | 95 | 160 | 232 | 302 | 359 | 391 | 383 | 334 | 265 | 194 | 132 | 90 | 93 | 143 | 210 | 275 | 330 | 364 | 362 | 318 | 246 |
| WED | 11 | | 169 | 106 | 67 | 71 | 125 | 198 | 270 | 337 | 385 | 399 | 369 | 307 | 236 | 167 | 109 | 82 | 109 | 171 | 236 | 297 | 343 | 363 | 341 | 282 |
| THU | 12 | ● | 206 | 135 | 82 | 61 | 94 | 165 | 238 | 307 | 366 | 400 | 392 | 343 | 276 | 207 | 143 | 93 | 87 | 135 | 200 | 261 | 314 | 349 | 350 | 310 |
| FRI | 13 | | 242 | 169 | 108 | 70 | 74 | 131 | 206 | 275 | 337 | 385 | 401 | 373 | 312 | 245 | 182 | 123 | 89 | 107 | 166 | 227 | 281 | 323 | 343 | 327 |
| SAT | 14 | | 273 | 203 | 139 | 92 | 74 | 103 | 172 | 244 | 305 | 358 | 392 | 389 | 346 | 281 | 218 | 161 | 114 | 98 | 133 | 192 | 247 | 293 | 324 | 329 |
| **NOVEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 15 | | 298 | 239 | 173 | 122 | 92 | 94 | 139 | 210 | 272 | 326 | 368 | 387 | 369 | 319 | 256 | 199 | 150 | 114 | 115 | 158 | 211 | 259 | 296 | 316 |
| MON | 16 | | 310 | 272 | 213 | 157 | 119 | 104 | 120 | 171 | 235 | 289 | 335 | 367 | 375 | 350 | 298 | 239 | 189 | 147 | 122 | 131 | 172 | 219 | 261 | 291 |
| TUE | 17 | | 305 | 294 | 256 | 202 | 156 | 129 | 123 | 142 | 190 | 245 | 294 | 333 | 360 | 364 | 338 | 289 | 234 | 187 | 150 | 129 | 138 | 174 | 216 | 254 |
| WED | 18 | | 283 | 297 | 288 | 255 | 209 | 169 | 146 | 139 | 154 | 193 | 241 | 287 | 325 | 352 | 358 | 336 | 291 | 238 | 192 | 154 | 130 | 133 | 163 | 204 |
| THU | 19 | ◑ | 244 | 277 | 297 | 297 | 271 | 229 | 190 | 162 | 147 | 151 | 181 | 226 | 274 | 316 | 348 | 360 | 344 | 302 | 248 | 196 | 152 | 121 | 117 | 143 |
| FRI | 20 | | 188 | 235 | 278 | 309 | 318 | 299 | 257 | 211 | 172 | 145 | 138 | 159 | 205 | 260 | 309 | 349 | 368 | 357 | 316 | 257 | 197 | 144 | 105 | 94 |
| SAT | 21 | | 121 | 175 | 234 | 289 | 331 | 349 | 332 | 285 | 226 | 174 | 135 | 118 | 135 | 185 | 248 | 306 | 353 | 378 | 370 | 326 | 259 | 190 | 130 | 84 |
| **NOVEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 22 | | 70 | 104 | 171 | 242 | 309 | 360 | 381 | 361 | 304 | 233 | 171 | 122 | 96 | 112 | 172 | 242 | 306 | 359 | 387 | 378 | 329 | 253 | 177 | 111 |
| MON | 23 | | 62 | 51 | 99 | 179 | 259 | 335 | 391 | 411 | 382 | 314 | 233 | 163 | 106 | 74 | 97 | 166 | 241 | 310 | 365 | 392 | 378 | 321 | 239 | 159 |
| TUE | 24 | | 91 | 42 | 42 | 106 | 195 | 283 | 364 | 420 | 431 | 391 | 313 | 228 | 154 | 89 | 58 | 93 | 169 | 244 | 314 | 370 | 393 | 370 | 304 | 218 |
| WED | 25 | | 139 | 72 | 29 | 47 | 126 | 219 | 310 | 392 | 442 | 440 | 388 | 305 | 220 | 142 | 73 | 51 | 99 | 177 | 250 | 319 | 371 | 386 | 353 | 280 |
| THU | 26 | ○ | 195 | 121 | 58 | 28 | 66 | 153 | 245 | 336 | 412 | 452 | 436 | 375 | 291 | 208 | 128 | 63 | 56 | 115 | 189 | 259 | 322 | 368 | 373 | 329 |
| FRI | 27 | | 252 | 173 | 106 | 53 | 42 | 97 | 185 | 273 | 356 | 423 | 449 | 421 | 354 | 272 | 193 | 117 | 63 | 73 | 136 | 205 | 266 | 321 | 359 | 352 |
| SAT | 28 | | 300 | 224 | 154 | 100 | 62 | 70 | 133 | 216 | 297 | 368 | 422 | 433 | 397 | 327 | 250 | 178 | 111 | 74 | 98 | 159 | 220 | 271 | 317 | 343 |
| **NOVEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN | 29 | | 327 | 270 | 200 | 144 | 105 | 84 | 106 | 169 | 244 | 313 | 370 | 410 | 409 | 367 | 299 | 229 | 167 | 114 | 95 | 126 | 181 | 232 | 272 | 308 |
| MON | 30 | | 323 | 300 | 245 | 186 | 145 | 121 | 114 | 142 | 198 | 263 | 319 | 364 | 390 | 381 | 337 | 273 | 213 | 161 | 123 | 118 | 149 | 197 | 237 | 269 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

# GLADSTONE

LAT 23°50'S LONG 151°15'E

EASTERN STANDARD TIME – PREDICTED TIDE HEIGHTS IN CMS

DECEMBER 2015

| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DECEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TUE | 1 | | 296 | 304 | 279 | 231 | 185 | 157 | 143 | 144 | 169 | 217 | 271 | 316 | 352 | 368 | 355 | 312 | 255 | 203 | 161 | 135 | 136 | 164 | 203 | 236 |
| WED | 2 | | 264 | 286 | 290 | 270 | 232 | 197 | 176 | 165 | 165 | 185 | 223 | 268 | 308 | 338 | 350 | 336 | 297 | 246 | 200 | 164 | 144 | 145 | 168 | 200 |
| THU | 3 | ◐ | 232 | 260 | 282 | 288 | 274 | 245 | 216 | 194 | 179 | 174 | 187 | 218 | 259 | 298 | 327 | 338 | 325 | 290 | 243 | 199 | 164 | 144 | 144 | 163 |
| FRI | 4 | | 194 | 229 | 262 | 287 | 298 | 290 | 265 | 234 | 205 | 182 | 170 | 179 | 208 | 251 | 293 | 322 | 333 | 323 | 288 | 240 | 194 | 157 | 136 | 135 |
| SAT | 5 | | 155 | 192 | 234 | 273 | 303 | 318 | 311 | 282 | 243 | 205 | 174 | 158 | 166 | 200 | 248 | 293 | 324 | 336 | 325 | 286 | 233 | 182 | 143 | 122 |
| SUN | 6 | | 124 | 151 | 198 | 248 | 293 | 327 | 343 | 329 | 289 | 240 | 194 | 157 | 141 | 155 | 199 | 252 | 299 | 330 | 342 | 325 | 278 | 219 | 163 | 123 |
| MON | 7 | | 105 | 117 | 157 | 213 | 271 | 321 | 356 | 364 | 336 | 285 | 227 | 174 | 136 | 126 | 153 | 205 | 262 | 309 | 340 | 347 | 319 | 262 | 196 | 139 |
| **DECEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TUE | 8 | | 102 | 92 | 120 | 175 | 238 | 301 | 353 | 382 | 375 | 331 | 270 | 206 | 151 | 115 | 118 | 160 | 219 | 276 | 322 | 349 | 346 | 305 | 238 | 169 |
| WED | 9 | | 114 | 83 | 89 | 136 | 202 | 270 | 335 | 383 | 399 | 373 | 316 | 248 | 182 | 126 | 99 | 120 | 176 | 236 | 292 | 335 | 355 | 336 | 281 | 208 |
| THU | 10 | | 140 | 90 | 72 | 99 | 163 | 234 | 305 | 367 | 406 | 403 | 359 | 293 | 223 | 157 | 104 | 93 | 134 | 196 | 256 | 309 | 346 | 353 | 318 | 251 |
| FRI | 11 | ● | 177 | 113 | 73 | 73 | 122 | 197 | 269 | 339 | 394 | 417 | 394 | 336 | 266 | 197 | 132 | 89 | 98 | 154 | 218 | 277 | 324 | 352 | 342 | 292 |
| SAT | 12 | | 218 | 147 | 92 | 66 | 87 | 155 | 232 | 303 | 368 | 412 | 416 | 376 | 310 | 240 | 173 | 112 | 84 | 114 | 177 | 239 | 294 | 335 | 350 | 324 |
| SUN | 13 | | 262 | 187 | 124 | 80 | 71 | 113 | 190 | 264 | 332 | 389 | 418 | 405 | 353 | 283 | 215 | 151 | 99 | 89 | 134 | 198 | 257 | 308 | 340 | 341 |
| MON | 14 | | 301 | 233 | 163 | 110 | 80 | 88 | 145 | 222 | 291 | 353 | 399 | 414 | 387 | 328 | 258 | 194 | 135 | 95 | 102 | 155 | 215 | 271 | 315 | 338 |
| **DECEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TUE | 15 | | 327 | 280 | 211 | 149 | 108 | 91 | 112 | 175 | 246 | 309 | 363 | 399 | 402 | 367 | 305 | 238 | 178 | 127 | 98 | 118 | 171 | 227 | 277 | 316 |
| WED | 16 | | 332 | 314 | 265 | 200 | 148 | 116 | 108 | 136 | 196 | 260 | 317 | 363 | 392 | 388 | 350 | 288 | 224 | 169 | 125 | 105 | 129 | 178 | 232 | 278 |
| THU | 17 | | 313 | 326 | 308 | 261 | 203 | 158 | 132 | 126 | 152 | 204 | 262 | 314 | 356 | 380 | 375 | 338 | 279 | 218 | 166 | 126 | 110 | 131 | 177 | 229 |
| FRI | 18 | | 275 | 311 | 326 | 313 | 271 | 219 | 176 | 149 | 140 | 157 | 200 | 254 | 304 | 344 | 369 | 367 | 334 | 277 | 217 | 166 | 126 | 109 | 125 | 169 |
| SAT | 19 | ◑ | 222 | 271 | 312 | 334 | 329 | 294 | 244 | 198 | 164 | 145 | 150 | 185 | 237 | 288 | 331 | 360 | 363 | 335 | 282 | 221 | 166 | 123 | 101 | 112 |
| SUN | 20 | | 156 | 214 | 271 | 320 | 352 | 354 | 323 | 270 | 216 | 172 | 141 | 136 | 164 | 217 | 272 | 320 | 354 | 363 | 340 | 288 | 223 | 163 | 115 | 88 |
| MON | 21 | | 97 | 145 | 211 | 277 | 336 | 376 | 383 | 352 | 292 | 228 | 173 | 132 | 117 | 143 | 200 | 259 | 313 | 352 | 365 | 344 | 291 | 220 | 155 | 103 |
| **DECEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TUE | 22 | | 73 | 84 | 140 | 215 | 290 | 358 | 402 | 409 | 372 | 305 | 232 | 169 | 118 | 97 | 127 | 189 | 253 | 310 | 352 | 368 | 346 | 287 | 211 | 143 |
| WED | 23 | | 90 | 60 | 78 | 146 | 227 | 310 | 382 | 426 | 426 | 382 | 307 | 229 | 159 | 101 | 81 | 120 | 186 | 252 | 312 | 356 | 369 | 341 | 276 | 196 |
| THU | 24 | | 129 | 76 | 51 | 84 | 161 | 248 | 335 | 406 | 444 | 433 | 379 | 299 | 219 | 144 | 84 | 74 | 124 | 192 | 258 | 318 | 360 | 367 | 329 | 256 |
| FRI | 25 | ○ | 178 | 114 | 65 | 52 | 101 | 184 | 273 | 359 | 425 | 451 | 427 | 364 | 283 | 203 | 126 | 71 | 78 | 138 | 206 | 269 | 325 | 363 | 359 | 309 |
| SAT | 26 | | 232 | 159 | 101 | 60 | 64 | 128 | 214 | 301 | 379 | 435 | 447 | 409 | 339 | 260 | 183 | 109 | 69 | 94 | 159 | 224 | 282 | 333 | 361 | 343 |
| SUN | 27 | | 283 | 206 | 143 | 94 | 67 | 90 | 163 | 247 | 326 | 393 | 434 | 430 | 382 | 308 | 232 | 160 | 98 | 79 | 120 | 185 | 244 | 294 | 337 | 351 |
| MON | 28 | | 320 | 253 | 183 | 132 | 96 | 86 | 126 | 200 | 278 | 345 | 397 | 422 | 403 | 347 | 273 | 203 | 142 | 97 | 101 | 150 | 211 | 262 | 303 | 334 |
| **DECEMBER 2015** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TUE | 29 | | 333 | 292 | 226 | 167 | 129 | 108 | 116 | 164 | 233 | 301 | 354 | 393 | 401 | 371 | 310 | 240 | 180 | 131 | 108 | 128 | 179 | 233 | 274 | 307 |
| WED | 30 | | 325 | 312 | 267 | 208 | 163 | 138 | 130 | 150 | 197 | 258 | 313 | 355 | 379 | 374 | 337 | 276 | 214 | 165 | 131 | 126 | 154 | 201 | 246 | 280 |
| THU | 31 | | 305 | 312 | 293 | 251 | 203 | 171 | 155 | 156 | 178 | 220 | 269 | 313 | 346 | 360 | 347 | 308 | 252 | 199 | 160 | 139 | 143 | 172 | 212 | 250 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

**© Commonwealth of Australia 2013**

**Bureau of Meteorology** **National Tidal Centre**

**Datum of Predictions is Lowest Astronomical Tide**

● **New Moon** ◑ **First Quarter** ○ **Full Moon** ◐ **Last Quarter**