

Average NHC Atlantic Intensity Forecast Errors (kt) All Tropical Cyclones^{1, 2}

| Year | 0 h | | 12 h | | 24 h | | 36 h | | 48 h | | 72 h | | 96 h ³ | | 120 h ³ | |
|----------------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------------------|------|--------------------|-----|
| | Error | N | Error | N | Error | N | Error | N | Error | N | Error | N | Error | N | Error | N |
| 1990 | 2.9 | 372 | 5.6 | 330 | 8.9 | 301 | 11.9 | 271 | 13.6 | 239 | 15.0 | 189 | | | | |
| 1991 | 2.9 | 131 | 5.7 | 112 | 11.3 | 89 | 16.2 | 68 | 20.4 | 55 | 22.6 | 38 | | | | |
| 1992 | 3.4 | 219 | 6.3 | 205 | 11.2 | 186 | 15.4 | 168 | 19.4 | 143 | 25.9 | 115 | | | | |
| 1993 | 2.7 | 185 | 4.9 | 171 | 8.2 | 154 | 11.1 | 133 | 14.8 | 115 | 19.3 | 88 | | | | |
| 1994 | 2.7 | 177 | 5.8 | 160 | 9.1 | 140 | 11.1 | 119 | 14.6 | 97 | 18.3 | 80 | | | | |
| 1995 | 2.9 | 568 | 5.9 | 537 | 9.1 | 502 | 11.6 | 466 | 14.1 | 425 | 17.7 | 356 | | | | |
| 1996 | 3.6 | 383 | 6.5 | 364 | 9.9 | 342 | 12.2 | 318 | 14.4 | 289 | 17.3 | 246 | | | | |
| 1997 | 2.8 | 127 | 5.6 | 111 | 9.3 | 95 | 12.3 | 82 | 14.2 | 71 | 15.9 | 59 | | | | |
| 1998 | 3.0 | 387 | 6.8 | 369 | 10.8 | 345 | 14.1 | 321 | 16.4 | 291 | 21.2 | 241 | | | | |
| 1999 | 2.5 | 397 | 6.6 | 369 | 10.7 | 345 | 13.4 | 320 | 15.7 | 293 | 19.1 | 241 | | | | |
| 2000 | 2.7 | 333 | 6.7 | 301 | 11.1 | 267 | 14.5 | 237 | 16.9 | 209 | 20.1 | 165 | | | | |
| 2001 | 1.2 | 338 | 6.0 | 301 | 9.9 | 262 | 12.7 | 237 | 15.7 | 217 | 18.8 | 170 | 20.1 | 128 | 19.0 | 97 |
| 2002 | 1.1 | 312 | 5.5 | 287 | 9.0 | 257 | 11.3 | 228 | 14.5 | 201 | 20.8 | 166 | 22.4 | 137 | 23.8 | 119 |
| 2003 | 1.6 | 394 | 5.2 | 362 | 7.9 | 327 | 9.5 | 291 | 11.6 | 256 | 14.8 | 197 | 17.0 | 156 | 20.6 | 125 |
| 2004 | 2.0 | 413 | 7.4 | 389 | 10.2 | 363 | 12.4 | 335 | 13.9 | 307 | 17.0 | 267 | 19.8 | 228 | 22.6 | 194 |
| 2005 | 1.8 | 642 | 6.9 | 591 | 10.9 | 534 | 13.4 | 478 | 15.6 | 429 | 20.1 | 338 | 20.1 | 264 | 21.8 | 207 |
| 2006 | 2.1 | 241 | 6.5 | 223 | 10.0 | 205 | 12.4 | 187 | 14.3 | 169 | 18.1 | 132 | 19.6 | 100 | 19.0 | 78 |
| 2007 | 2.1 | 208 | 8.1 | 177 | 11.0 | 145 | 14.0 | 116 | 17.9 | 93 | 23.5 | 62 | 28.6 | 39 | 30.0 | 23 |
| 1990-99 | 2.9 | 2946 | 6.1 | 2730 | 9.8 | 2502 | 12.7 | 2270 | 15.3 | 2024 | 18.7 | 1660 | | | | |
| 2000-07 ³ | 1.8 | 2881 | 6.5 | 2631 | 10.0 | 2360 | 12.5 | 2109 | 14.8 | 1881 | 18.8 | 1497 | 20.1 | 1052 | 21.7 | 843 |

Notes:

1. Verification based on NHC best track database as of 5/20/2008.

2. Verification sample is homogeneous with best-track 5-day Decay-SHIFOR, and includes subtropical cyclones.
3. 96- and 120-h forecasts began in 2001, but were not publicly released until 2003.