

Men's Long Course American Records as of July 28, 2011

| EVENT | SWIMMER | TIME | DATE | LOCATION |
|-------------------|--|-------------|-------------|----------------------------|
| 50 Free | Cullen Jones | 21.40sf | 31-Jul-09 | Rome, Italy |
| Splits | 21.40 | | | |
| 100 Free | David Walters | 47.33 | 30-Jul-09 | Rome, Italy |
| Splits | 22.78, 47.33 (24.55) | | | |
| 200 Free | Michael Phelps | 1:42.96 | 12-Aug-08 | Beijing, China |
| Splits | 24.31, 50.29 (25.98), 1:16.84 (26.55), 1:42.96 (26.12) | | | |
| 400 Free | Larsen Jensen | 3:42.78 | 10-Aug-08 | Beijing, China |
| Splits | 26.59, 54.86 (28.27), 1:23.44 (28.58), 1:51.91 (28.47), 2:20.10 (28.19), 2:48.07 (27.97), 3:15.53 (27.46), 3:42.78 (27.25) | | | |
| 800 Free | Larsen Jensen | 7:45.63 | 27-Jul-05 | Montreal, Canada |
| Splits | 27.05, 56.13 (29.08), 1:25.55 (29.42), 1:55.07 (29.52), 2:24.57 (29.50), 2:54.19 (29.62), 3:23.56 (29.37), 3:53.04 (29.48), 4:22.36 (29.32), 4:51.68 (29.32), 5:21.00 (29.32), 5:50.40 (29.40), 6:19.70 (29.30), 6:48.83 (29.13), 7:17.72 (28.89), 7:45.63 (27.91) | | | |
| 1500 Free | Larsen Jensen | 14:45.29 | 21-Aug-04 | Athens, Greece |
| Splits | 27.76, 57.28 (29.52), 1:27.28 (30.00), 1:57.18 (29.90), 2:27.10 (29.92), 2:56.96 (29.86), 3:26.91 (29.95), 3:56.74 (29.83), 4:26.76 (30.02), 4:56.68 (29.92), 5:26.32 (29.64), 5:56.02 (29.70), 6:25.78 (29.76), 6:55.36 (29.58), 7:24.77 (29.41), 7:54.58 (29.81), 8:23.89 (29.31), 8:53.47 (29.58), 9:22.79 (29.32), 9:52.28 (29.49), 10:21.77 (29.49), 10:51.14 (29.37), 11:20.49 (29.35), 11:50.20 (29.71), 12:19.49 (29.29), 12:49.06 (29.57), 13:18.30 (29.24), 13:47.48 (29.18), 14:16.73 (29.25), 14:45.29 (28.56) | | | |
| 50 Back | Randall Bal | 24.33 | 5-Dec-08 | Eindhoven, The Netherlands |
| Splits | 24.33 | | | |
| 100 Back | Aaron Peirsol | 51.94 | 8-Jul-09 | Indianapolis, USA |
| Splits | 25.35, 51.94 (26.59) | | | |
| 200 Back | Aaron Peirsol | 1:51.92 | 31-Jul-09 | Rome, Italy |
| Splits | 26.52, 54.90 (28.38), 1:23.30 (28.40), 1:51.92 (28.62) | | | |
| 50 Breast | Mark Gangloff | 26.86 | 29-Jul-09 | Rome, Italy |
| Splits | 26.86 | | | |
| 100 Breast | Eric Shanteau | 58.96sf | 26-Jul-09 | Rome, Italy |
| Splits | 28.02, 58.96 (30.94) | | | |
| 200 Breast | Eric Shanteau | 2:07.42sf | 30-Jul-09 | Rome, Italy |
| Splits | 29.10, 1:01.69 (32.59), 1:34.72 (33.03), 2:07.42 (32.70) | | | |
| 50 Fly | Bryan Lundquist | 22.91sp | 18-Jul-09 | Knoxville, USA |
| Splits | 22.91 | | | |
| 100 Fly | Michael Phelps | 49.82 | 1-Aug-09 | Rome, Italy |
| Splits | 23.36, 49.82 (26.46) | | | |
| 200 Fly | Michael Phelps | 1:51.51 | 29-Jul-09 | Rome, Italy |
| Splits | 24.76, 52.88 (28.12), 1:21.93 (29.05), 1:51.51 (29.58) | | | |
| 200 IM | Ryan Lochte | 1:54.00 | 28-Jul-11 | Shanghai, China |
| Splits | 24.89, 53.48 (28.59), 1:26.51 (33.03), 1:54.00 (27.49) | | | |
| 400 IM | Michael Phelps | 4:03.84 | 10-Aug-08 | Beijing, China |
| Splits | 25.73, 54.92 (29.19), 1:26.29 (31.37), 1:56.49 (30.20), 2:31.26 (34.77), 3:07.05 (35.79), 3:35.99 (28.94), 4:03.84 (27.85) | | | |
| RELAYS | | | | |
| 400 FR | United States | 3:08.24 | 11-Aug-08 | Beijing, China |
| | Michael Phelps | 47.51 | | |
| | Garrett Weber-Gale | 47.02 | | |
| | Cullen Jones | 47.65 | | |
| | Jason Lezak | 46.06 | | |
| 800 FR | United States | 6:58.55 | 31-Jul-09 | Rome, Italy |
| | Michael Phelps | 1:44.49 | | |
| | Ricky Berens | 1:44.13 | | |
| | David Walters | 1:45.47 | | |
| | Ryan Lochte | 1:44.46 | | |
| 400 MR | United States | 3:27.28 | 2-Aug-09 | Rome, Italy |
| | Aaron Peirsol | 52.19 | | |
| | Eric Shanteau | 58.57 | | |
| | Michael Phelps | 49.72 | | |
| | David Walters | 46.80 | | |

Women's Long Course American Records as of August 4, 2012

| EVENT | SWIMMER | TIME | DATE | LOCATION |
|-------------------|--|-------------|-------------|--------------------|
| 50 Free | Dara Torres | 24.07 | 17-Aug-08 | Beijing, China |
| Splits | 24.07 | | | |
| 100 Free | Amanda Weir | 53.02sf | 30-Jul-09 | Rome, Italy |
| Splits | 26.26, 53.02 (26.76) | | | |
| 200 Free | Allison Schmitt | 1:53.61 | 31-Jul-12 | London, England |
| Splits | 27.18, 55.38 (28.20), 1:24.35 (28.97), 1:53.61 (29.26) | | | |
| 400 Free | Allison Schmitt | 4:01.77 | 29-Jul-12 | London, England |
| Splits | 28.05, 58.11 (30.06), 1:28.84 (30.73), 1:59.88 (31.04), 2:30.36 (30.48) 3:01.11 (30.75), 3:31.68 (30.57), 4:01.77 (30.09) | | | |
| 800 Free | Katie Ledecky | 8:14.63 | 3-Aug-12 | London, England |
| Splits | 28.39, 58.81 (30.42), 1:29.01 (30.20), 1:59.95 (30.94), 2:30.82 (30.87), 3:02.10 (31.28) 3:33.02 (30.92), 4:04.34 (31.32), 4:35.55 (31.21), 5:07.11 (31.56), 5:38.39 (31.28) 6:10.02 (31.63), 6:41.38 (31.36), 7:12.81 (31.43), 7:44.13 (31.32), 8:14.63 (30.50) | | | |
| 1500 Free | Kate Ziegler | 15:42.54 | 17-Jun-07 | Mission Viejo, USA |
| Splits | 29.23, 1:00.49 (31.26), 1:32.09 (31.60), 2:03.46 (31.37), 2:35.17 (31.71), 3:06.74 (31.57), 3:38.34 (31.60), 4:09.87 (31.53), 4:41.41 (31.54), 5:13.01 (31.60) 5:44.80 (31.79), 6:16.48 (31.68), 6:48.07 (31.59), 7:19.63 (31.56), 7:51.06 (31.43) 8:22.57 (31.51), 8:53.91 (31.34), 9:25.42 (31.51), 9:57.07 (31.65), 10:28.74 (31.67) 11:00.19 (31.45), 11:31.70 (31.51), 12:03.42 (31.72), 12:35.17 (31.75), 13:06.55 (31.38) 13:38.54 (31.99), 14:10.13 (31.59), 14:41.85 (31.72), 15:13.27 (31.42), 15:42.54 (29.27) | | | |
| 50 Back | Hayley McGregory | 27.80 | 7-Jun-08 | Austin, USA |
| Splits | 27.80 | | | |
| 100 Back | Missy Franklin | 58.33 | 30-Jul-12 | London, England |
| Splits | 28.82, 58.33 (29.51) | | | |
| 200 Back | Missy Franklin | 2:04.06 | 3-Aug-12 | London, England |
| Splits | 29.53, 1:00.50 (30.97), 1:32.16 (31.66), 2:04.06 (31.90) | | | |
| 50 Breast | Jessica Hardy | 29.80sp | 7-Aug-09 | Federal Way, USA |
| Splits | 29.80 | | | |
| 100 Breast | Jessica Hardy | 1:04.45 | 7-Aug-09 | Federal Way, USA |
| Splits | 29.80, 1:04.45 (34.65) | | | |
| 200 Breast | Rebecca Soni | 2:19.59 | 2-Aug-12 | London, England |
| Splits | 32.49, 1:08.10 (35.61), 1:43.95 (35.85), 2:19.59 (35.64) | | | |
| 50 Fly | Dara Torres | 25.50tt | 11-Jul-09 | Indianapolis, USA |
| Splits | 25.50 | | | |
| 100 Fly | Dana Vollmer | 55.98 | 29-Jul-12 | London, England |
| Splits | 26.39, 55.98 (29.59) | | | |
| 200 Fly | Mary DeScenza | 2:04.14p | 29-Jul-09 | Rome, Italy |
| Splits | 28.79, 1:00.57 (31.78), 1:32.49 (31.92), 2:04.14 (31.65) | | | |
| 200 IM | Ariana Kukors | 2:06.15 | 27-Jul-09 | Rome, Italy |
| Splits | 27.72, 59.24 (31.52), 1:36.13 (37.07), 2:06.15 (29.84) | | | |
| 400 IM | Katie Hoff | 4:31.12 | 29-Jun-08 | Omaha, USA |
| Splits | 30.10, 1:03.69 (33.59), 1:39.16 (35.47), 2:13.33 (34.17), 2:50.78 (37.45), 3:28.65 (37.87), 3:59.66 (31.01), 4:31.12 (31.46) | | | |
| RELAYS | | | | |
| 400 FR | United States | 3:34.24 | 28-Jul-12 | London, England |
| | Missy Franklin | 53.52 | | |
| | Jessica Hardy | 53.53 | | |
| | Lia Neal | 53.65 | | |
| | Allison Schmitt | 53.54 | | |
| 800 FR | United States | 7:42.56 | 30-Jul-09 | Rome, Italy |
| | Dana Vollmer | 1:55.29 | | |
| | Lacey Nymeyer | 1:57.88 | | |
| | Ariana Kukors | 1:55.18 | | |
| | Allison Schmitt | 1:54.21 | | |
| 400 MR | United States | 3:52.05 | 4-Aug-12 | London, England |
| | Missy Franklin | 58.50 | | |
| | Rebecca Soni | 1:04.82 | | |
| | Dana Vollmer | 55.48 | | |
| | Allison Schmitt | 53.25 | | |