

Event 26 Women 400 LC Meter Freestyle

World: W 3:56.46 8/7/2016 Katie Ledecky, USA
American: A 3:56.46 8/7/2016 Katie Ledecky, USA
Pro Swim: M 3:57.94 5/17/2018 Katie Ledecky, Stanford

Name	Age	Team	Prelims	Finals
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=== Championship Final ===

1	Ledecky, Katie	21	Stanford Swimmin	4:04.06	4:00.51
	r:+0.55 27.72		57.22 (29.50)		
	1:27.15 (29.93)		1:57.81 (30.66)		
	2:28.46 (30.65)		2:59.49 (31.03)		
	3:30.34 (30.85)		4:00.51 (30.17)		
2	Smith, Leah	23	Tucson Ford Deal	4:07.50	4:04.72
	r:+0.72 28.76		59.10 (30.34)		
	1:29.87 (30.77)		2:00.70 (30.83)		
	2:31.91 (31.21)		3:03.13 (31.22)		
	3:34.40 (31.27)		4:04.72 (30.32)		
3	Margalis, Melanie	26	Saint Petersburg	4:10.87	4:08.84
	r:+0.71 29.13		59.89 (30.76)		
	1:31.15 (31.26)		2:02.70 (31.55)		
	2:34.34 (31.64)		3:06.24 (31.90)		
	3:38.24 (32.00)		4:08.84 (30.60)		
4	Goss, Kennedy	21	Swim Ontario	4:14.21	4:13.96
	r:+0.67 29.99		1:01.90 (31.91)		
	1:34.09 (32.19)		2:06.42 (32.33)		
	2:38.72 (32.30)		3:10.94 (32.22)		
	3:42.77 (31.83)		4:13.96 (31.19)		
5	Smith, Regan	16	Riptide Swim Tea	4:16.75	4:14.34
	r:+0.69 29.10		1:00.40 (31.30)		
	1:32.85 (32.45)		2:05.45 (32.60)		
	2:38.35 (32.90)		3:10.97 (32.62)		
	3:43.48 (32.51)		4:14.34 (30.86)		
6	Harnish, Courtney	19	York YMCA	4:16.12	4:15.35
	r:+0.78 30.32		1:01.87 (31.55)		
	1:33.87 (32.00)		2:05.97 (32.10)		
	2:38.53 (32.56)		3:10.73 (32.20)		
	3:43.39 (32.66)		4:15.35 (31.96)		
7	Neidigh, Ashley	23	Una MVN	4:16.86	4:17.36
	r:+0.78 29.74		1:01.78 (32.04)		
	1:33.45 (31.67)		2:05.84 (32.39)		
	2:38.35 (32.51)		3:11.08 (32.73)		
	3:44.22 (33.14)		4:17.36 (33.14)		
8	Macias Alba, Ayumi	21	Mexico	4:19.61	4:18.09
	r:+0.71 30.68		1:02.32 (31.64)		
	1:35.04 (32.72)		2:07.27 (32.23)		
	2:40.39 (33.12)		3:12.88 (32.49)		
	3:46.25 (33.37)		4:18.09 (31.84)		
9	Devine, Chenoa	19	California Aquat	4:20.19	4:21.87
	r:+0.71 29.72		1:01.85 (32.13)		
	1:34.55 (32.70)		2:07.58 (33.03)		
	2:40.94 (33.36)		3:14.72 (33.78)		
	3:48.57 (33.85)		4:21.87 (33.30)		

=== Consolation Final ===

10	Oliva, Nicole	16 Santa Clara Swim	4:20.50	4:17.70
	r:+0.62 30.77	1:03.57 (32.80)		
	1:36.47 (32.90)	2:09.41 (32.94)		
	2:42.24 (32.83)	3:14.98 (32.74)		
	3:47.13 (32.15)	4:17.70 (30.57)		
11	Heckman, Miranda	17 Pleasanton Seaha	4:20.64	4:17.79
	r:+0.73 30.72	1:03.78 (33.06)		
	1:36.63 (32.85)	2:09.47 (32.84)		
	2:42.19 (32.72)	3:14.67 (32.48)		
	3:47.23 (32.56)	4:17.79 (30.56)		
12	Gibson, Sarah	23 Team Elite	4:21.71	4:18.01
	r:+0.78 29.76	1:02.77 (33.01)		
	1:35.53 (32.76)	2:08.87 (33.34)		
	2:41.69 (32.82)	3:14.75 (33.06)		
	3:47.00 (32.25)	4:18.01 (31.01)		
13	Luther, Dakota	18 Austin Swim Club	4:21.13	4:18.86
	r:+0.73 29.96	1:02.11 (32.15)		
	1:34.92 (32.81)	2:07.77 (32.85)		
	2:40.76 (32.99)	3:13.70 (32.94)		
	3:46.51 (32.81)	4:18.86 (32.35)		
14	Raab, Meaghan	22 Nashville Aquati	4:21.43	4:19.28
	r:+0.74 30.08	1:02.28 (32.20)		
	1:35.07 (32.79)	2:07.96 (32.89)		
	2:41.13 (33.17)	3:14.35 (33.22)		
	3:47.46 (33.11)	4:19.28 (31.82)		
15	Romano, Kristen	18 Puerto Rico	4:21.86	4:20.04
	r:+0.76 29.99	1:02.77 (32.78)		
	1:35.77 (33.00)	2:08.57 (32.80)		
	2:41.67 (33.10)	3:14.83 (33.16)		
	3:47.94 (33.11)	4:20.04 (32.10)		
16	Gonzalez-Hermosillo,	22 Mexico	4:21.60	4:22.01
	r:+0.74 30.55	1:03.42 (32.87)		
	1:36.85 (33.43)	2:10.14 (33.29)		
	2:43.71 (33.57)	3:16.67 (32.96)		
	3:50.09 (33.42)	4:22.01 (31.92)		
17	Anderson, Olivia	19 Swim Ontario	4:20.32	4:22.03
	r:+0.71 30.74	1:03.38 (32.64)		
	1:36.64 (33.26)	2:09.73 (33.09)		
	2:43.13 (33.40)	3:15.95 (32.82)		
	3:49.37 (33.42)	4:22.03 (32.66)		
18	Barksdale, Emma	20 Gamecock Aquatic	4:21.81	4:22.56
	r:+0.72 30.32	1:03.13 (32.81)		
	1:37.00 (33.87)	2:10.32 (33.32)		
	2:44.21 (33.89)	3:17.52 (33.31)		
	3:50.88 (33.36)	4:22.56 (31.68)		
=== C - Final ===				
19	Zavaros, Mabel	18 Swim Ontario	4:23.57	4:18.91
	r:+0.77 30.07	1:02.53 (32.46)		
	1:35.50 (32.97)	2:08.84 (33.34)		
	2:41.62 (32.78)	3:14.72 (33.10)		
	3:47.55 (32.83)	4:18.91 (31.36)		
20	Shimomura, Sarah	20 Tucson Ford Deal	4:22.93	4:18.92
	r:+0.68 30.72	1:03.65 (32.93)		
	1:36.91 (33.26)	2:09.83 (32.92)		
	2:42.78 (32.95)	3:15.82 (33.04)		

	3:48.22 (32.40)	4:18.92 (30.70)		
21 Kukurugya, Hannah	19 Stanford Swimmin	4:22.90	4:19.37	
r:+0.70	30.62	1:03.57 (32.95)		
	1:36.37 (32.80)	2:09.64 (33.27)		
	2:42.55 (32.91)	3:15.56 (33.01)		
	3:47.83 (32.27)	4:19.37 (31.54)		
22 Hawkins, Daniella	17 Pleasanton Seaha	4:25.92	4:22.85	
r:+0.72	30.25	1:03.24 (32.99)		
	1:36.77 (33.53)	2:10.33 (33.56)		
	2:43.84 (33.51)	3:17.56 (33.72)		
	3:50.76 (33.20)	4:22.85 (32.09)		
23 Kaufmann, Noelle	16 Badger Swim Club	4:26.03	4:23.49	
r:+0.63	29.54	1:01.67 (32.13)		
	1:34.89 (33.22)	2:08.34 (33.45)		
	2:42.41 (34.07)	3:16.30 (33.89)		
	3:50.46 (34.16)	4:23.49 (33.03)		
24 Campbell, Jenna	21 Una PASA	4:25.75	4:23.84	
r:+0.66	30.57	1:03.70 (33.13)		
	1:37.09 (33.39)	2:10.36 (33.27)		
	2:43.66 (33.30)	3:17.01 (33.35)		
	3:50.55 (33.54)	4:23.84 (33.29)		
25 Arzave, Juli	16 South Bay Aquati	4:28.62	4:23.90	
r:+0.81	30.49	1:03.33 (32.84)		
	1:36.87 (33.54)	2:10.44 (33.57)		
	2:44.19 (33.75)	3:17.77 (33.58)		
	3:51.46 (33.69)	4:23.90 (32.44)		
26 Yongyuth, Bianca	16 Santa Clara Swim	4:30.62	4:29.72	
r:+0.74	30.75	1:03.75 (33.00)		
	1:37.71 (33.96)	2:11.67 (33.96)		
	2:46.24 (34.57)	3:20.65 (34.41)		
	3:55.64 (34.99)	4:29.72 (34.08)		
27 Joyce, Syd	18 Bluefish Swim Cl	4:30.33	4:33.82	
r:+0.70	30.82	1:03.74 (32.92)		
	1:38.06 (34.32)	2:12.15 (34.09)		
	2:47.45 (35.30)	3:22.63 (35.18)		
	3:58.77 (36.14)	4:33.82 (35.05)		

=== D - Final ===

28 Le, Tina	16 Santa Clara Swim	4:35.40	4:29.73	
r:+0.78	31.01	1:05.25 (34.24)		
	1:38.97 (33.72)	2:13.72 (34.75)		
	2:47.41 (33.69)	3:21.87 (34.46)		
	3:56.17 (34.30)	4:29.73 (33.56)		
29 George, Heidi	42 Great Wolf Swim	4:31.99	4:30.96	
r:+0.81	31.83	1:05.60 (33.77)		
	1:39.54 (33.94)	2:13.87 (34.33)		
	2:48.37 (34.50)	3:22.82 (34.45)		
	3:57.15 (34.33)	4:30.96 (33.81)		
30 Menso, Maggie	18 Palatine Park Di	4:34.76	4:32.58	
r:+0.76	30.62	1:04.09 (33.47)		
	1:38.55 (34.46)	2:13.64 (35.09)		
	2:49.03 (35.39)	3:24.22 (35.19)		
	3:59.11 (34.89)	4:32.58 (33.47)		
31 Yule, Katie	16 Sierra Marlins S	4:34.77	4:33.65	
r:+0.71	30.83	1:04.81 (33.98)		
	1:39.47 (34.66)	2:14.91 (35.44)		

	2:50.29 (35.38)	3:25.20 (34.91)		
	4:00.50 (35.30)	4:33.65 (33.15)		
32 Matheson, Lucy		16 Flatiron Athleti	4:37.01	4:33.93
r:+0.80	31.37	1:05.98 (34.61)		
	1:40.40 (34.42)	2:15.51 (35.11)		
	2:50.45 (34.94)	3:25.82 (35.37)		
	4:00.70 (34.88)	4:33.93 (33.23)		
33 Sand, Adair		16 Bolles School Sh	4:36.37	4:39.62
r:+0.67	31.95	1:06.23 (34.28)		
	2:52.37 (1:46.14)	2:16.27 ()		
	4:04.77 (1:48.50)	3:28.31 ()		
	4:39.62 (1:11.31)			
-- Henig, Isabelle		17 Palo Alto Stanfo	4:34.78	NS

=== Preliminaries ===

5 Drabot, Katie		20 Stanford Swimmin	4:14.58	
r:+0.72	29.63	1:01.83 (32.20)		
	1:34.25 (32.42)	2:06.85 (32.60)		
	2:38.76 (31.91)	3:10.67 (31.91)		
	3:42.99 (32.32)	4:14.58 (31.59)		
20 Braswell, Leah		17 York YMCA	4:22.58	
r:+0.82	30.47	1:02.96 (32.49)		
	1:36.35 (33.39)	2:09.83 (33.48)		
	2:43.81 (33.98)	3:17.66 (33.85)		
	3:51.49 (33.83)	4:22.58 (31.09)		
27 Tew, Maddi		20 Wisconsin Aquati	4:28.41	
r:+0.71	31.05	1:04.92 (33.87)		
	1:38.68 (33.76)	2:12.60 (33.92)		
	2:46.55 (33.95)	3:20.76 (34.21)		
	3:54.85 (34.09)	4:28.41 (33.56)		
28 Lofquist, Sydney		20 Wisconsin Aquati	4:28.55	
r:+0.69	30.23	1:03.05 (32.82)		
	1:36.77 (33.72)	2:10.81 (34.04)		
	2:45.04 (34.23)	3:19.76 (34.72)		
	3:54.50 (34.74)	4:28.55 (34.05)		
33 Nalls, Madison		17 York YMCA	4:32.33	
r:+0.76	30.86	1:04.47 (33.61)		
	1:38.07 (33.60)	2:12.64 (34.57)		
	2:47.25 (34.61)	3:22.46 (35.21)		
	3:57.51 (35.05)	4:32.33 (34.82)		
34 Wolters, Maxine		19Una TXLA	4:32.65	
r:+0.76	30.87	1:04.97 (34.10)		
	1:39.07 (34.10)	2:13.19 (34.12)		
	2:47.42 (34.23)	3:22.27 (34.85)		
	3:57.43 (35.16)	4:32.65 (35.22)		
40 Lessing, Amelie		17 Flatiron Athleti	4:36.89	
r:+0.79	31.61	1:06.26 (34.65)		
	1:41.95 (35.69)	2:17.93 (35.98)		
	2:53.06 (35.13)	3:29.07 (36.01)		
	4:04.00 (34.93)	4:36.89 (32.89)		
42 Codevilla, Mary		14 Flatiron Athleti	4:37.16	
r:+0.73	31.93	1:05.63 (33.70)		
	1:40.59 (34.96)	2:15.29 (34.70)		
	2:51.32 (36.03)	3:26.56 (35.24)		
	4:02.31 (35.75)	4:37.16 (34.85)		
-- Teng, Cathy		17 Santa Clara Swim	DFS	

-- Glavinovich, Katie	18	Stanford Swimmin	NS
-- Pitzer, Lauren	19	Unattached Stanf	NS

Event 227 Women 50 LC Meter Butterfly Knockout

World: W 24.43	7/25/2017	Sarah Sjostrom, SWE
American: A 25.48	7/29/2017	Kelsi Worrell, USA
Pro Swim: M 25.74	2018	Kelsi Dahlia
Name	Age Team	Seed Prelims

=== Preliminaries ===

1 Dahlia, Kelsi	23	Cardinal Aquatic	26.24	26.36
r:+0.61				
2 Oleksiak, Penny	18	Swim Ontario	26.93	26.43
r:+0.73				
3 Osman, Farida	23	California Aquat	26.54	26.57
r:+0.70				
4 Gibson, Sarah	23	Team Elite	27.34	26.70
r:+0.65				
5 McLaughlin, Katie	20	California Aquat	26.83	26.75
r:+0.74				
6 Moffitt, Hellen	23	Team Elite	27.00	26.82
r:+0.71				
7 MacNeil, Maggie	18	Swim Ontario	27.07	26.99
r:+0.56				
8 Black, Haley	21	Tiger Elite Raci	27.32	27.12
9 Bates, Talia	17	Gator Swim Club	27.60	27.36
r:+0.71				

Event 228 Men 50 LC Meter Butterfly Knockout

World: W 22.43	4/5/2009	Rafael Munzip, ESP
American: A 22.76	7/23/2017	Caeleb Dressel, USA
Pro Swim: M 23.11	2012	Matt Targett
Name	Age Team	Seed Prelims

=== Preliminaries ===

1 Conger, Jack	23	Nation's Capital	23.94	23.91
r:+0.68				
2 Martinez, Luis	22	Tiger Elite Raci	23.87	23.93
r:+0.65				
3 Smith, Giles	26	Phoenix Swim Clu	23.82	24.03
r:+0.63				
4 Perreault, Alexandre	19	Swim Ontario	24.40	24.04
r:+0.60				
5 Rybin, Roman	27	Una KING	24.31	24.30
r:+0.59				
6 Cooper, Tripp	25	Una TXLA	24.39	24.31
r:+0.52				
7 Kusch, Marius	25	Unattached	24.38	24.32

	r:+0.69				
8	Schlesinger, Marcus	26	Team Elite	24.25	24.42
	r:+0.68				
9	Iga, Jorge	21	Mexico	24.41	24.75
	r:+0.70				

Event 227 Women 50 LC Meter Butterfly Knockout

World: W 24.43 7/25/2017 Sarah Sjostrom, SWE
 American: A 25.48 7/29/2017 Kelsi Worrell, USA
 Pro Swim: M 25.74 2018 Kelsi Dahlia

Name	Age	Team	Prelims	Semis
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=== Semi-Finals ===

1	Osman, Farida	23	California Aquat	26.57	26.05
	r:+0.67				
2	Oleksiak, Penny	18	Swim Ontario	26.43	26.16
	r:+0.70				

3	Dahlia, Kelsi	23	Cardinal Aquatic	26.36	26.58
	r:+0.58				
4	Gibson, Sarah	23	Team Elite	26.70	26.75
	r:+0.71				

=== Preliminaries ===

5	McLaughlin, Katie	20	California Aquat	26.75	
6	Moffitt, Hellen	23	Team Elite	26.82	
7	MacNeil, Maggie	18	Swim Ontario	26.99	
8	Black, Haley	21	Tiger Elite Raci	27.12	
9	Bates, Talia	17	Gator Swim Club	27.36	

Event 228 Men 50 LC Meter Butterfly Knockout

World: W 22.43 4/5/2009 Rafael Munzip, ESP
 American: A 22.76 7/23/2017 Caeleb Dressel, USA
 Pro Swim: M 23.11 2012 Matt Targett

Name	Age	Team	Prelims	Semis
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=== Semi-Finals ===

1	Conger, Jack	23	Nation's Capital	23.91	23.89
	r:+0.72				
2	Martinez, Luis	22	Tiger Elite Raci	23.93	24.08
	r:+0.65				

3	Perreault, Alexandre	19	Swim Ontario	24.04	24.52
	r:+0.65				
4	Smith, Giles	26	Phoenix Swim Clu	24.03	25.15
	r:+0.59				

=== Preliminaries ===

5 Rybin, Roman	27	Una KING	24.30
6 Cooper, Tripp	25	Una TXLA	24.31
7 Kusch, Marius	25	Unattached	24.32
8 Schlesinger, Marcus	26	Team Elite	24.42
9 Iga, Jorge	21	Mexico	24.75

Event 227 Women 50 LC Meter Butterfly Knockout

World: W 24.43 7/25/2017 Sarah Sjostrom, SWE
 American: A 25.48 7/29/2017 Kelsi Worrell, USA
 Pro Swim: M 25.74 2018 Kelsi Dahlia

Name	Age	Team	Semis	Finals
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=== Championship Final ===

1 Oleksiak, Penny	18	Swim Ontario	26.16	26.06
r:+0.71				
2 Osman, Farida	23	California Aquat	26.05	26.32
r:+0.67				

=== Semi-Finals ===

3 Dahlia, Kelsi	23	Cardinal Aquatic	26.58	
r:+0.58				
4 Gibson, Sarah	23	Team Elite	26.75	
r:+0.71				

Event 228 Men 50 LC Meter Butterfly Knockout

World: W 22.43 4/5/2009 Rafael Munzip, ESP
 American: A 22.76 7/23/2017 Caeleb Dressel, USA
 Pro Swim: M 23.11 2012 Matt Targett

Name	Age	Team	Semis	Finals
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=== Championship Final ===

1 Conger, Jack	23	Nation's Capital	23.89	23.67
r:+0.70				
2 Martinez, Luis	22	Tiger Elite Raci	24.08	24.16
r:+0.64				

=== Semi-Finals ===

3 Perreault, Alexandre	19	Swim Ontario	24.52	
r:+0.65				
4 Smith, Giles	26	Phoenix Swim Clu	25.15	
r:+0.59				

Event 229 Women 50 LC Meter Backstroke Knockout

World: W 27.06 7/30/2009 Jing Zhao, China
 American: A 27.48 7/26/2017 Kathleen Baker, USA
 Pro Swim: M 27.43 2018 Olivia Smoliga

Name	Age	Team	Seed	Prelims
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=== Preliminaries ===

1	Masse, Kylie r:+0.56	22 Swim Ontario	28.01	28.12
2	Smoliga, Olivia r:+0.77	23 Athens Bulldog S	28.69	28.26
3	Stadden, Isabelle r:+0.56	15 Aquajets Swim Te	28.89	28.38
4	Deloof, Ali r:+0.65	23 Club Wolverine	28.42	28.41

5	Blovad, Keaton r:+0.62	19 California Aquat	28.84	28.42
6	Bilquist, Amy r:+0.69	20 California Aquat	28.88	28.71

7	Gonzalez, Fernanda r:+0.74	28 Mexico	29.24	29.04
8	Baldwin, Caroline r:+0.63	22 Team Elite	29.15	29.11
--	Nelson, Beata	19 Wisconsin Aquati	29.30	NS

Event 230 Men 50 LC Meter Backstroke Knockout

World: W 24.04 8/2/2009 Liam Tancock, GBR
 American: A 24.33 12/5/2008 Randall Bal, USA
 Pro Swim: M 24.74 2015 Junya Koga

Name	Age	Team	Seed	Prelims
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=== Preliminaries ===

1	Thormeyer, Markus r:+0.70	20 HPC Vancouver	26.17	25.50
2	Grevers, Matt r:+0.72	33 Tucson Ford Deal	25.50	25.55
3	Acevedo, Javier r:+0.59	20 Swim Ontario	25.61	25.69
4	Irie, Ryosuke r:+0.53	28 Team Elite	25.92	25.76

5	Staka, Chris r:+0.70	20 Unattached	26.56	25.87
6	Katz, Austin r:+0.66	19 Una TXLA	26.48	26.28

7	Lasco, Destin r:+0.66	16 Pleasantville Aq	26.42	26.39
8	Kisil, Yuri r:+0.80	22 HPC Vancouver	26.96	26.67
9	Alexy, Jack r:+0.71	15 Somerset Hills Y	26.99	27.18

Event 229 Women 50 LC Meter Backstroke Knockout

World: W 27.06 7/30/2009 Jing Zhao, China
 American: A 27.48 7/26/2017 Kathleen Baker, USA
 Pro Swim: M 27.43 2018 Olivia Smoliga

Name	Age	Team	Prelims	Semis
=== Semi-Finals ===				
1 Smoliga, Olivia r:+0.72	23	Athens Bulldog S	28.26	28.12
2 Deloof, Ali r:+0.68	23	Club Wolverine	28.41	28.21
3 Masse, Kylie r:+0.57	22	Swim Ontario	28.12	28.26
4 Stadden, Isabelle r:+0.57	15	Aquajets Swim Te	28.38	28.61
=== Preliminaries ===				
5 Blovad, Keaton	19	California Aquat	28.42	
6 Bilquist, Amy	20	California Aquat	28.71	
7 Gonzalez, Fernanda	28	Mexico	29.04	
8 Baldwin, Caroline	22	Team Elite	29.11	
-- Nelson, Beata	19	Wisconsin Aquati	NS	

Event 230 Men 50 LC Meter Backstroke Knockout

World: W 24.04	8/2/2009	Liam Tancock, GBR		
American: A 24.33	12/5/2008	Randall Bal, USA		
Pro Swim: M 24.74	2015	Junya Koga		
Name	Age	Team	Prelims	Semis
=== Semi-Finals ===				
1 Irie, Ryosuke r:+0.60	28	Team Elite	25.76	25.42
2 Thormeyer, Markus r:+0.69	20	HPC Vancouver	25.50	25.50
3 Grevers, Matt r:+0.66	33	Tucson Ford Deal	25.55	25.53
4 Acevedo, Javier r:+0.62	20	Swim Ontario	25.69	25.67
=== Preliminaries ===				
5 Staka, Chris	20	Unattached	25.87	
6 Katz, Austin	19	Una TXLA	26.28	
7 Lasco, Destin	16	Pleasantville Aq	26.39	
8 Kisil, Yuri	22	HPC Vancouver	26.67	
9 Alexy, Jack	15	Somerset Hills Y	27.18	

Event 229 Women 50 LC Meter Backstroke Knockout

World: W 27.06	7/30/2009	Jing Zhao, China		
American: A 27.48	7/26/2017	Kathleen Baker, USA		
Pro Swim: M 27.43	2018	Olivia Smoliga		

Name	Age	Team	Semis	Finals
=== Championship Final ===				
1 Smoliga, Olivia r:+0.70	23	Athens Bulldog S	28.12	28.02
2 Deloof, Ali r:+0.63	23	Club Wolverine	28.21	28.22
=== Semi-Finals ===				
3 Masse, Kylie r:+0.57	22	Swim Ontario	28.26	
4 Stadden, Isabelle r:+0.57	15	Aquajets Swim Te	28.61	

Event 230 Men 50 LC Meter Backstroke Knockout

World: W 24.04 8/2/2009 Liam Tancock, GBR				
American: A 24.33 12/5/2008 Randall Bal, USA				
Pro Swim: M 24.74 2015 Junya Koga				
Name	Age	Team	Semis	Finals
=== Championship Final ===				
1 Thormeyer, Markus r:+0.67	20	HPC Vancouver	25.50	25.68
1 Irie, Ryosuke r:+0.56	28	Team Elite	25.42	25.68
=== Semi-Finals ===				
3 Grevers, Matt r:+0.66	33	Tucson Ford Deal	25.53	
4 Acevedo, Javier r:+0.62	20	Swim Ontario	25.67	

Event 31 Men 400 LC Meter Freestyle

World: W 3:40.07 7/26/2009 Paul Biederman, GER				
American: A 3:42.78 8/10/2008 Larsen Jensen, USA				
Pro Swim: M 3:43.55 2016 Sun Yang				
Name	Age	Team	Prelims	Finals
=== Championship Final ===				
1 Grothe, Zane r:+0.72 27.20	26	Mission Viejo Na	3:54.49	3:50.53
1:25.76 (29.36)		56.40 (29.20)		
2:24.96 (29.50)		1:55.46 (29.70)		
3:23.09 (28.91)		2:54.18 (29.22)		
		3:50.53 (27.44)		
2 Switkowski, Jan r:+0.69 27.20	24	Gator Swim Club	3:54.47	3:51.17
1:26.23 (29.55)		56.68 (29.48)		
2:25.49 (29.63)		1:55.86 (29.63)		
		2:54.55 (29.06)		

	3:23.49 (28.94)	3:51.17 (27.68)		
3 Levant, Jack		18 North Texas Nada	3:56.01	3:51.47
r:+0.68	26.49	55.70 (29.21)		
	1:25.14 (29.44)	1:54.22 (29.08)		
	2:23.93 (29.71)	2:53.35 (29.42)		
	3:22.91 (29.56)	3:51.47 (28.56)		
4 D'Arrigo, Mitch		23 Gator Swim Club	3:53.26	3:53.22
r:+0.69	27.13	56.53 (29.40)		
	1:26.42 (29.89)	1:56.22 (29.80)		
	2:25.86 (29.64)	2:54.79 (28.93)		
	3:23.79 (29.00)	3:53.22 (29.43)		
5 Vargas Jacobo, Ricard		20 Mexico	3:55.18	3:54.31
r:+0.65	27.26	56.55 (29.29)		
	1:26.34 (29.79)	1:56.15 (29.81)		
	2:25.65 (29.50)	2:55.18 (29.53)		
	3:24.72 (29.54)	3:54.31 (29.59)		
6 Sweetser, True		20 Unattached Stanf	3:55.60	3:54.63
r:+0.68	27.64	56.87 (29.23)		
	1:26.64 (29.77)	1:56.45 (29.81)		
	2:26.47 (30.02)	2:55.60 (29.13)		
	3:25.58 (29.98)	3:54.63 (29.05)		
7 Park, Tae Hwan		28 Korea	3:52.51	3:55.87
r:+0.53	26.92	56.51 (29.59)		
	1:26.16 (29.65)	1:56.15 (29.99)		
	2:26.23 (30.08)	2:55.57 (29.34)		
	3:26.16 (30.59)	3:55.87 (29.71)		
8 Koo, Kiwoong		22 Korea	3:58.14	3:57.02
r:+0.67	27.03	56.95 (29.92)		
	1:27.17 (30.22)	1:57.62 (30.45)		
	2:28.00 (30.38)	2:58.22 (30.22)		
	3:28.77 (30.55)	3:57.02 (28.25)		
9 Shoults, Grant		21 Unattached Stanf	3:56.31	3:58.74
r:+0.62	27.27	56.94 (29.67)		
	1:27.03 (30.09)	1:56.76 (29.73)		
	2:27.22 (30.46)	2:57.44 (30.22)		
	3:28.44 (31.00)	3:58.74 (30.30)		

=== Consolation Final ===

10 Fail, Brooks		18 Tucson Ford Deal	4:00.88	3:57.63
r:+0.71	28.44	58.55 (30.11)		
	1:29.18 (30.63)	1:59.45 (30.27)		
	2:29.94 (30.49)	3:00.08 (30.14)		
	3:30.10 (30.02)	3:57.63 (27.53)		
11 Hill, Julian		17 Gator Swim Club	4:01.71	3:58.90
r:+0.68	27.89	57.33 (29.44)		
	1:27.30 (29.97)	1:57.66 (30.36)		
	2:28.04 (30.38)	2:58.88 (30.84)		
	3:29.31 (30.43)	3:58.90 (29.59)		
12 Stump, Isaac		18 Tucson Ford Deal	4:02.70	3:59.65
r:+0.68	28.45	58.69 (30.24)		
	1:29.30 (30.61)	1:59.79 (30.49)		
	2:30.26 (30.47)	3:00.62 (30.36)		
	3:30.68 (30.06)	3:59.65 (28.97)		
13 Olafson, Carson		21 HPC Vancouver	4:03.87	4:01.35
r:+0.71	26.60	55.49 (28.89)		
	1:25.50 (30.01)	1:55.90 (30.40)		

	2:26.78 (30.88)	2:58.63 (31.85)		
	3:30.55 (31.92)	4:01.35 (30.80)		
14 Miller, Kevin		20 Athens Bulldog S	4:00.53	4:01.62
r:+0.71	28.57	58.67 (30.10)		
	1:29.07 (30.40)	1:59.62 (30.55)		
	2:30.35 (30.73)	3:00.85 (30.50)		
	3:31.70 (30.85)	4:01.62 (29.92)		
15 Barao, Will		17 Bluefish Swim Cl	4:03.71	4:02.84
r:+0.71	28.08	58.30 (30.22)		
	1:29.22 (30.92)	2:00.25 (31.03)		
	2:30.90 (30.65)	3:01.82 (30.92)		
	3:32.97 (31.15)	4:02.84 (29.87)		
16 Selmanovic, Din		20 Bearcat Aquatics	4:04.02	4:04.76
r:+0.70	27.60	57.66 (30.06)		
	1:28.49 (30.83)	1:59.68 (31.19)		
	2:30.97 (31.29)	3:02.48 (31.51)		
	3:34.04 (31.56)	4:04.76 (30.72)		
17 Tsukikawa, Yugo		16 Badger Swim Club	4:07.02	4:06.60
r:+0.70	28.26	58.97 (30.71)		
	1:30.08 (31.11)	2:01.32 (31.24)		
	2:33.01 (31.69)	3:04.48 (31.47)		
	3:36.22 (31.74)	4:06.60 (30.38)		
18 Werner, Peyton		17 Lane Four	4:06.49	4:06.73
r:+0.64	28.32	58.65 (30.33)		
	1:29.48 (30.83)	2:00.50 (31.02)		
	2:31.86 (31.36)	3:03.37 (31.51)		
	3:35.63 (32.26)	4:06.73 (31.10)		

=== C - Final ===

19 David, Calvin		16 Pleasanton Seaha	4:09.03	4:02.54
r:+0.75	28.61	59.78 (31.17)		
	1:31.21 (31.43)	2:01.93 (30.72)		
	2:32.76 (30.83)	3:03.17 (30.41)		
	3:33.65 (30.48)	4:02.54 (28.89)		
20 Kaskawal, Jerad		22 Tucson Ford Deal	4:07.37	4:03.36
r:+0.72	28.32	59.00 (30.68)		
	1:29.92 (30.92)	2:00.99 (31.07)		
	2:32.21 (31.22)	3:03.22 (31.01)		
	3:34.02 (30.80)	4:03.36 (29.34)		
21 Jhong, Chris		18 Pleasanton Seaha	4:09.84	4:04.12
r:+0.66	29.04	1:00.04 (31.00)		
	1:31.39 (31.35)	2:02.52 (31.13)		
	2:33.59 (31.07)	3:04.25 (30.66)		
	3:34.49 (30.24)	4:04.12 (29.63)		
22 Lu, Tyler		17 Pleasanton Seaha	4:07.50	4:05.15
r:+0.75	28.75	59.30 (30.55)		
	1:30.53 (31.23)	2:01.49 (30.96)		
	2:33.06 (31.57)	3:04.13 (31.07)		
	3:35.02 (30.89)	4:05.15 (30.13)		
23 Kurakin, Ivan		18 North Bay Aquati	4:07.60	4:05.75
r:+0.69	28.57	1:00.17 (31.60)		
	1:31.58 (31.41)	2:03.25 (31.67)		
	2:34.64 (31.39)	3:06.15 (31.51)		
	3:36.17 (30.02)	4:05.75 (29.58)		
24 Tremblay, Jeremy		22 C.N. SAMAK	4:07.71	4:06.72
r:+0.69	28.55	59.07 (30.52)		

	1:30.29 (31.22)	2:01.60 (31.31)		
	2:33.14 (31.54)	3:04.59 (31.45)		
	3:36.05 (31.46)	4:06.72 (30.67)		
25 Johnson, Hayden		18 DART Swimming	4:10.29	4:09.62
r:+0.77	28.96	59.65 (30.69)		
	1:31.64 (31.99)	2:02.99 (31.35)		
	2:34.68 (31.69)	3:06.02 (31.34)		
	3:38.52 (32.50)	4:09.62 (31.10)		
26 Tan, Zachary Ian		14 Singapore/Phoeni	4:09.87	4:18.40
r:+0.66	27.80	58.78 (30.98)		
	1:32.38 (33.60)	2:06.52 (34.14)		
	2:40.01 (33.49)	3:13.68 (33.67)		
	3:46.21 (32.53)	4:18.40 (32.19)		

=== D - Final ===

28 Godolphin, Bernard		18 C.N. SAMAK	4:11.77	4:05.35
r:+0.66	27.92	58.46 (30.54)		
	1:29.60 (31.14)	2:01.17 (31.57)		
	2:32.78 (31.61)	3:04.23 (31.45)		
	3:35.44 (31.21)	4:05.35 (29.91)		
29 Blake, Daniel		17 Santa Clara Swim	4:14.33	4:07.43
r:+0.68	28.20	59.48 (31.28)		
	1:30.88 (31.40)	2:02.70 (31.82)		
	2:34.32 (31.62)	3:06.30 (31.98)		
	3:37.46 (31.16)	4:07.43 (29.97)		
30 McGee, Gavin		18 Santa Clara Swim	4:11.92	4:08.07
r:+0.79	28.81	59.64 (30.83)		
	1:31.68 (32.04)	2:03.77 (32.09)		
	2:35.28 (31.51)	3:06.86 (31.58)		
	3:38.66 (31.80)	4:08.07 (29.41)		
31 Noyes, David		18 Santa Clara Swim	4:13.66	4:09.70
r:+0.75	27.80	59.10 (31.30)		
	1:31.08 (31.98)	2:03.14 (32.06)		
	2:35.43 (32.29)	3:07.39 (31.96)		
	3:39.79 (32.40)	4:09.70 (29.91)		
32 Lincoln, Michael		19 Unattached	4:12.27	4:10.00
r:+0.72	27.83	58.05 (30.22)		
	1:29.23 (31.18)	2:00.77 (31.54)		
	2:32.71 (31.94)	3:05.14 (32.43)		
	3:38.11 (32.97)	4:10.00 (31.89)		
33 Low, Ian		17 DART Swimming	4:13.97	4:11.09
r:+0.71	28.26	58.88 (30.62)		
	1:31.08 (32.20)	2:03.22 (32.14)		
	2:35.69 (32.47)	3:07.72 (32.03)		
	3:40.15 (32.43)	4:11.09 (30.94)		
34 Jacobs, Daniel		18 Pine Crest Swimm	4:10.81	4:12.59
r:+0.66	28.01	59.16 (31.15)		
	1:30.84 (31.68)	2:03.25 (32.41)		
	2:35.51 (32.26)	3:08.21 (32.70)		
	3:40.96 (32.75)	4:12.59 (31.63)		
35 Saunders, Max		17 Santa Clara Swim	4:16.85	4:13.50
r:+0.70	28.59	1:00.18 (31.59)		
	1:32.32 (32.14)	2:04.85 (32.53)		
	2:37.61 (32.76)	3:10.10 (32.49)		
	3:42.19 (32.09)	4:13.50 (31.31)		
36 Collins, Leo		16 North Bay Aquati	4:13.54	4:13.98

r:+0.66	28.72	1:00.30	(31.58)
	1:32.49	(32.19)	2:04.96 (32.47)
	2:37.21	(32.25)	3:09.84 (32.63)
	3:42.44	(32.60)	4:13.98 (31.54)

=== C - Final ===

-- Gambardella, Corey 19 Indiana Swim Te 4:10.71 NS

=== Preliminaries ===

9	Smith, Clark	23 Longhorn Aquatic	3:56.53
	r:+0.66	26.91	56.39 (29.48)
		1:26.28 (29.89)	1:56.32 (30.04)
		2:26.78 (30.46)	2:57.15 (30.37)
		3:27.86 (30.71)	3:56.53 (28.67)
11	Grieshop, Sean	19 California Aquat	3:58.58
	r:+0.66	27.46	57.63 (30.17)
		1:27.69 (30.06)	1:57.95 (30.26)
		2:28.37 (30.42)	2:58.74 (30.37)
		3:29.22 (30.48)	3:58.58 (29.36)
12	Julian, Trenton	19 Rose Bowl Aquati	3:59.12
	r:+0.74	29.03	59.21 (30.18)
		1:30.30 (31.09)	2:01.30 (31.00)
		2:30.36 (29.06)	2:59.32 (28.96)
		3:29.30 (29.98)	3:59.12 (29.82)
16	Murphy, James	20 Unattached Stanf	4:01.75
	r:+0.80	28.03	58.00 (29.97)
		1:28.87 (30.87)	1:59.80 (30.93)
		2:30.96 (31.16)	3:01.88 (30.92)
		3:32.49 (30.61)	4:01.75 (29.26)
17	Haber, Ido	22 Wisconsin Aquati	4:02.11
	r:+0.66	27.46	57.31 (29.85)
		1:28.04 (30.73)	1:58.82 (30.78)
		2:30.37 (31.55)	3:01.37 (31.00)
		3:32.32 (30.95)	4:02.11 (29.79)
21	Takahashi, Ken	21 California Aquat	4:03.91
	r:+0.67	28.44	58.68 (30.24)
		1:29.67 (30.99)	2:00.40 (30.73)
		2:31.35 (30.95)	3:02.42 (31.07)
		3:33.33 (30.91)	4:03.91 (30.58)
23	Wieser, Chris	22 Una DART	4:04.39
	r:+0.61	27.05	57.07 (30.02)
		1:28.20 (31.13)	1:59.45 (31.25)
		2:30.76 (31.31)	3:02.12 (31.36)
		3:33.45 (31.33)	4:04.39 (30.94)
24	Haas, Townley	21 NOVA of Virginia	4:04.45
	r:+0.72	27.51	57.44 (29.93)
		1:28.00 (30.56)	1:58.79 (30.79)
		2:30.03 (31.24)	3:01.53 (31.50)
		3:33.20 (31.67)	4:04.45 (31.25)
25	Koustik, Andrew	18 Irvine Novaquati	4:04.98
	r:+0.68	27.64	58.08 (30.44)
		1:29.55 (31.47)	2:01.09 (31.54)
		2:32.79 (31.70)	3:04.24 (31.45)
		3:35.18 (30.94)	4:04.98 (29.80)
26	Hirschberger, Matthew	19 Unattached Stanf	4:05.24

	r:+0.73	28.12	58.38	(30.26)	
		1:29.22	(30.84)	2:00.18	(30.96)
		2:31.27	(31.09)	3:02.54	(31.27)
		3:34.03	(31.49)	4:05.24	(31.21)
28	Paquin-Foisy, Etienne	20	Swimming ELITE L		4:06.72
	r:+0.63	27.78	58.11	(30.33)	
		1:29.19	(31.08)	2:00.60	(31.41)
		2:32.19	(31.59)	3:03.83	(31.64)
		3:35.48	(31.65)	4:06.72	(31.24)
34	Newkirk, Jeff	21	Una TXLA		4:07.78
	r:+0.71	27.56	57.84	(30.28)	
		1:28.33	(30.49)	1:59.79	(31.46)
		2:31.79	(32.00)	3:03.65	(31.86)
		3:35.73	(32.08)	4:07.78	(32.05)
35	Plattel, Lleyton	15	Pleasanton Seaha		4:08.04
	r:+0.70	28.53	58.94	(30.41)	
		1:30.49	(31.55)	2:01.65	(31.16)
		2:33.09	(31.44)	3:04.84	(31.75)
		3:36.93	(32.09)	4:08.04	(31.11)
36	Palaschuk, Brian	20	Regina Optimist		4:08.08
	r:+0.75	28.23	59.29	(31.06)	
		1:30.81	(31.52)	2:02.82	(32.01)
		2:33.94	(31.12)	3:06.07	(32.13)
		3:37.48	(31.41)	4:08.08	(30.60)
38	Collins, Jack	20	Badger Swim Club		4:09.08
	r:+0.72	28.31	58.93	(30.62)	
		1:30.85	(31.92)	2:02.92	(32.07)
		2:35.22	(32.30)	3:07.88	(32.66)
		3:39.10	(31.22)	4:09.08	(29.98)
39	Forker, Shane	20	California Aquat		4:09.61
	r:+0.47	28.11	59.16	(31.05)	
		1:30.77	(31.61)	2:02.33	(31.56)
		2:34.17	(31.84)	3:06.21	(32.04)
		3:38.28	(32.07)	4:09.61	(31.33)
42	Cespedes, David	24	Scarlet Aquatics		4:09.99
	r:+0.80	29.07	1:00.45	(31.38)	
		1:32.44	(31.99)	2:04.42	(31.98)
		2:36.39	(31.97)	3:08.44	(32.05)
		3:39.71	(31.27)	4:09.99	(30.28)
48	Kline, Sam	20	Una TXLA		4:12.08
	r:+0.68	28.72	1:00.14	(31.42)	
		1:32.15	(32.01)	2:04.53	(32.38)
		2:36.81	(32.28)	3:09.06	(32.25)
		3:41.28	(32.22)	4:12.08	(30.80)
53	Mertz, David	17	Neptune Swimming		4:14.21
	r:+0.62	29.05	59.67	(30.62)	
		1:32.21	(32.54)	2:04.38	(32.17)
		2:37.04	(32.66)	3:09.61	(32.57)
		3:42.45	(32.84)	4:14.21	(31.76)
55	Wheeler, Michael	18	Orinda Aquatics		4:14.68
	r:+0.60	29.09	1:00.87	(31.78)	
		1:33.62	(32.75)	2:06.46	(32.84)
		2:39.26	(32.80)	3:11.54	(32.28)
		3:43.62	(32.08)	4:14.68	(31.06)
56	Degrado, Paul	16	Bolles School Sh		4:15.08
	r:+0.70	28.51	59.19	(30.68)	
		1:31.40	(32.21)	2:03.72	(32.32)

	2:36.44 (32.72)	3:09.55 (33.11)	
	3:42.83 (33.28)	4:15.08 (32.25)	
57 Dawson, Alec		19 Gator Swim Club	4:15.69
r:+0.63	29.06	1:00.96 (31.90)	
	1:33.39 (32.43)	2:06.21 (32.82)	
	2:39.43 (33.22)	3:12.11 (32.68)	
	3:45.27 (33.16)	4:15.69 (30.42)	
58 Marella, Daniel		18 De Anza Cupertino	4:15.71
r:+0.69	29.93	1:02.22 (32.29)	
	1:34.85 (32.63)	2:07.59 (32.74)	
	2:40.48 (32.89)	3:12.54 (32.06)	
	3:44.42 (31.88)	4:15.71 (31.29)	
60 Kim, Hunter		15 Una BAD	4:18.11
r:+0.72	29.09	1:00.69 (31.60)	
	1:33.50 (32.81)	2:06.68 (33.18)	
	2:40.09 (33.41)	3:13.76 (33.67)	
	3:46.43 (32.67)	4:18.11 (31.68)	
61 Zheng, Hayden		15 Aquajets Swim Te	4:18.32
r:+0.67	29.47	1:01.57 (32.10)	
	1:34.01 (32.44)	2:06.68 (32.67)	
	2:39.41 (32.73)	3:13.00 (33.59)	
	3:46.52 (33.52)	4:18.32 (31.80)	
62 Culetu, Justin		16 Unattached	4:29.78
r:+0.55	29.45	1:02.83 (33.38)	
	1:36.83 (34.00)	2:11.19 (34.36)	
	2:45.87 (34.68)	3:20.45 (34.58)	
	3:55.70 (35.25)	4:29.78 (34.08)	
-- Rooney, Maxime		20 Pleasanton Seaha	DFS
-- Shields, Tom		26 California Aquat	DFS
-- Katz, Austin		19 Una TXLA	DFS
-- Murphy, Jack		19 Neptune Swimming	NS
-- Norman, Nick		21 California Aquat	NS
-- Gutierrez, Long		23 Mexico	NS

Event 232 Women 50 LC Meter Breaststroke Knockout

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=====
World: W 29.40 7/30/2017 Lilly King, USA
American: A 29.40 7/30/2017 Lilly King, USA
Pro Swim: M 29.62 6/10/2018 Lilly King, Indiana Swim Te
Name Age Team Seed Prelims
=====

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=== Preliminaries ===

1 King, Lilly	21 Indiana Swim Te	31.61	31.43
r:+0.69			
2 Rodriguez, Melissa	23 Mexico	31.97	31.63
r:+0.65			
3 Williams, Kim	21 Stanford Swimmin	33.03	32.38
r:+0.76			
4 Lohman, Kennedy	20 Lakeside Swim Te	32.93	32.42
r:+0.68			
5 Lazor, Annie	23 Unattached	32.23	32.44
r:+0.69			
6 Zhao, Grace	18 Stanford Swimmin	33.13	32.72
r:+0.72			

7	Wentzel, Jordyn r:+0.67	17	Aquajets Swim Te	33.03	32.96
8	Morgan, Jordan r:+0.62	14	Santa Clara Swim	32.94	33.10
9	Della Torre, Danielle r:+0.60	18	Athens Bulldog S	33.40	33.13

Event 233 Men 50 LC Meter Breaststroke Knockout

World: W 25.95 7/25/2017 Adam Peaty, GBR					
American: A 26.76 8/4/2015 Kevin Cordes, USA					
Pro Swim: M 27.39 2016 Cody Miller					
Name	Age	Team	Seed	Prelims	

=== Preliminaries ===

1	Cordes, Kevin r:+0.71	24	Tiger Elite Raci	27.74	27.70
2	Fink, Nic r:+0.70	24	Athens Bulldog S	27.66	27.80
3	Wilson, Andrew r:+0.62	24	Longhorn Aquatic	27.97	27.91
4	Romanov, Pavel r:+0.64	24	Unattached	28.38	28.04
4	De Lara Ojeda, Miguel r:+0.38	23	Tiger Elite Raci	28.28	28.04
6	Katis, Chuck r:+0.68	25	Una TIGR	28.18	28.14
7	Hoppe, Connor r:+0.69	22	California Aquat	28.04	28.30
8	Fischer, Brandon r:+0.72	29	Livermore Aqua C	28.46	28.39
9	Finnerty, Ian r:+0.68	21	Indiana Swim Te	28.29	28.43

Event 232 Women 50 LC Meter Breaststroke Knockout

World: W 29.40 7/30/2017 Lilly King, USA					
American: A 29.40 7/30/2017 Lilly King, USA					
Pro Swim: M 29.62 6/10/2018 Lilly King, Indiana Swim Te					
Name	Age	Team	Prelims	Semis	

=== Semi-Finals ===

1	King, Lilly r:+0.68	21	Indiana Swim Te	31.43	30.66
2	Rodriguez, Melissa r:+0.64	23	Mexico	31.63	31.56
3	Lohman, Kennedy r:+0.67	20	Lakeside Swim Te	32.42	32.15
4	Williams, Kim r:+0.76	21	Stanford Swimmin	32.38	32.24

=== Preliminaries ===

5 Lazor, Annie	23 Unattached	32.44
6 Zhao, Grace	18 Stanford Swimmin	32.72
7 Wentzel, Jordyn	17 Aquajets Swim Te	32.96
8 Morgan, Jordan	14 Santa Clara Swim	33.10
9 Della Torre, Danielle	18 Athens Bulldog S	33.13

Event 233 Men 50 LC Meter Breaststroke Knockout

=====
World: W 25.95 7/25/2017 Adam Peaty, GBR
American: A 26.76 8/4/2015 Kevin Cordes, USA
Pro Swim: M 27.39 2016 Cody Miller

Name	Age Team	Prelims	Semis
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=== Semi-Finals ===

1 Fink, Nic	24 Athens Bulldog S	27.80	27.82
r:+0.69			
2 Wilson, Andrew	24 Longhorn Aquatic	27.91	27.88
r:+0.64			
3 Cordes, Kevin	24 Tiger Elite Raci	27.70	28.12
r:+0.71			
4 De Lara Ojeda, Miguel	23 Tiger Elite Raci	28.04	28.30
r:+0.69			
5 Romanov, Pavel	24 Unattached	28.04	28.80
r:+0.66			

=====
=== Preliminaries ===

6 Katis, Chuck	25 Una TIGR	28.14
7 Hoppe, Connor	22 California Aquat	28.30
8 Fischer, Brandon	29 Livermore Aqua C	28.39
9 Finnerty, Ian	21 Indiana Swim Te	28.43

Event 232 Women 50 LC Meter Breaststroke Knockout

=====
World: W 29.40 7/30/2017 Lilly King, USA
American: A 29.40 7/30/2017 Lilly King, USA
Pro Swim: M 29.62 6/10/2018 Lilly King, Indiana Swim Te

Name	Age Team	Semis	Finals
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=====
=== Championship Final ===

1 King, Lilly	21 Indiana Swim Te	30.66	29.62M
r:+0.65			
2 Rodriguez, Melissa	23 Mexico	31.56	31.24
r:+0.64			

=====
=== Semi-Finals ===

3	Lohman, Kennedy	20	Lakeside Swim Te	32.15
	r:+0.67			
4	Williams, Kim	21	Stanford Swimmin	32.24
	r:+0.76			

Event 233 Men 50 LC Meter Breaststroke Knockout

World: W 25.95 7/25/2017 Adam Peaty, GBR
 American: A 26.76 8/4/2015 Kevin Cordes, USA
 Pro Swim: M 27.39 2016 Cody Miller

Name	Age	Team	Semis	Finals
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=== Championship Final ===

1	Fink, Nic	24	Athens Bulldog S	27.82	27.67
	r:+0.70				
2	Wilson, Andrew	24	Longhorn Aquatic	27.88	27.70
	r:+0.61				

=== Semi-Finals ===

3	Cordes, Kevin	24	Tiger Elite Raci	28.12	
	r:+0.71				
4	De Lara Ojeda, Miguel	23	Tiger Elite Raci	28.30	
	r:+0.69				
5	Romanov, Pavel	24	Unattached	28.80	
	r:+0.66				

Event 234 Women 50 LC Meter Freestyle Knockout

World: W 23.67 7/29/2017 Sarah Sjostrom, SWE
 American: A 23.97 7/30/2017 Simone Manuel, USA
 Pro Swim: M 24.17 2016 Sarah Sjostrom

Name	Age	Team	Seed	Prelims
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=== Preliminaries ===

1	Weitzel, Abbey	21	California Aquat	25.08	25.15
	r:+0.65				
2	Manuel, Simone	21	Stanford Swimmin	24.92	25.28
	r:+0.68				
3	Neal, Lia	23	Stanford Swimmin	25.41	25.29
	r:+0.70				
4	McLaughlin, Katie	20	California Aquat	25.55	25.41
	r:+0.76				
5	Dahlia, Kelsi	23	Cardinal Aquatic	25.66	25.42
6	Bilquist, Amy	20	California Aquat	25.74	25.46
	r:+0.69				
7	Kennedy, Madison	30	SwimMAC Carolina	25.57	25.53
	r:+0.74				
8	Osman, Farida	23	California Aquat	25.67	25.71
	r:+0.69				
9	Konopka, Katrina	21	Tucson Ford Deal	25.85	25.73
	r:+0.68				

Event 235 Men 50 LC Meter Freestyle Knockout

World: W 20.91 12/18/2009 Cesar Cielo Filho, BRA
 American: A 21.15 7/29/2017 Caeleb Dressel, USA
 Pro Swim: M 21.56 2015 Nathan Adrian

Name	Age	Team	Seed	Prelims
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=== Preliminaries ===

1	Thormeyer, Markus	20	HPC Vancouver	23.02	22.80
	r:+0.69				
2	Decoursey, Kyle	21	Una TNAQ	22.90	22.87
	r:+0.69				
3	Jackson, Tate	21	Una TXLA	22.90	22.89
	r:+0.72				
4	Loginov, Oleksandr	25	Swim Ontario	22.98	22.91
	r:+0.72				
5	Apple, Zachary	21	Una IST	22.83	22.93
	r:+0.64				
6	Chadwick, Michael	23	Unattached	22.63	22.94
	r:+0.66				
7	Fleagle, Josh	24	Unattached	22.95	23.04
7	Cheruti, Meiron	20	Team Elite	22.87	23.04
	r:+0.62				
9	Farris, Dean	20	Harvard Universi	23.03	23.11
	r:+0.67				

Event 234 Women 50 LC Meter Freestyle Knockout

World: W 23.67 7/29/2017 Sarah Sjostrom, SWE
 American: A 23.97 7/30/2017 Simone Manuel, USA
 Pro Swim: M 24.17 2016 Sarah Sjostrom

Name	Age	Team	Prelims	Semis
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=== Semi-Finals ===

1	Manuel, Simone	21	Stanford Swimmin	25.28	25.05
	r:+0.70				
2	Weitzeil, Abbey	21	California Aquat	25.15	25.20
	r:+0.66				
3	Neal, Lia	23	Stanford Swimmin	25.29	25.32
	r:+0.68				
4	McLaughlin, Katie	20	California Aquat	25.41	25.58
	r:+0.77				

=== Preliminaries ===

5	Dahlia, Kelsi	23	Cardinal Aquatic	25.42	
6	Bilquist, Amy	20	California Aquat	25.46	
7	Kennedy, Madison	30	SwimMAC Carolina	25.53	
8	Osman, Farida	23	California Aquat	25.71	
9	Konopka, Katrina	21	Tucson Ford Deal	25.73	

Event 235 Men 50 LC Meter Freestyle Knockout

=====				
World:	W 20.91	12/18/2009	Cesar Cielo Filho, BRA	
American:	A 21.15	7/29/2017	Caeleb Dressel, USA	
Pro Swim:	M 21.56	2015	Nathan Adrian	
Name		Age Team	Prelims	Semis
=====				
=== Semi-Finals ===				
1	Thormeyer, Markus r:+0.69	20 HPC Vancouver	22.80	22.97
2	Jackson, Tate r:+0.67	21 Una TXLA	22.89	23.13

3	Decoursey, Kyle r:+0.69	21 Una TNAQ	22.87	24.00
4	Loginov, Oleksandr r:+0.72	25 Swim Ontario	22.91	24.33

=== Preliminaries ===				
5	Apple, Zachary	21 Una IST	22.93	
6	Chadwick, Michael	23 Unattached	22.94	
7	Fleagle, Josh	24 Unattached	23.04	
7	Cheruti, Meiron	20 Team Elite	23.04	
9	Farris, Dean	20 Harvard Universi	23.11	

Event 234 Women 50 LC Meter Freestyle Knockout

=====				
World:	W 23.67	7/29/2017	Sarah Sjostrom, SWE	
American:	A 23.97	7/30/2017	Simone Manuel, USA	
Pro Swim:	M 24.17	2016	Sarah Sjostrom	
Name		Age Team	Semis	Finals
=====				
=== Championship Final ===				
1	Manuel, Simone r:+0.66	21 Stanford Swimmin	25.05	24.67
2	Weitzeil, Abbey r:+0.65	21 California Aquat	25.20	25.64
=== Semi-Finals ===				
3	Neal, Lia r:+0.68	23 Stanford Swimmin	25.32	
4	McLaughlin, Katie r:+0.77	20 California Aquat	25.58	

Event 235 Men 50 LC Meter Freestyle Knockout

=====				
World:	W 20.91	12/18/2009	Cesar Cielo Filho, BRA	
American:	A 21.15	7/29/2017	Caeleb Dressel, USA	
Pro Swim:	M 21.56	2015	Nathan Adrian	
Name		Age Team	Semis	Finals
=====				

=== Championship Final ===

1 Thormeyer, Markus	20 HPC Vancouver	22.97	23.06
r:+0.70			
2 Jackson, Tate	21 Una TXLA	23.13	23.37
r:+0.66			

=== Semi-Finals ===

3 Decoursey, Kyle	21 Una TNAQ	24.00	
r:+0.69			
4 Loginov, Oleksandr	25 Swim Ontario	24.33	
r:+0.72			

Event 36 Women 200 LC Meter Mystery IM Time Trial

Name	Age	Team	Seed	Finals
=== - Time Trial ===				
1 Darcel, Sarah	20	Una CAL	2:14.62	2:16.92
r:+0.61	27.47	1:01.97 (34.50)		
	1:42.85 (40.88)	2:16.92 (34.07)		
2 Williams, Kim	21	Stanford Swimmin	2:15.98	2:19.51
r:+0.78	29.57	1:04.25 (34.68)		
	1:41.54 (37.29)	2:19.51 (37.97)		
3 Gonzalez-Hermosillo,	22	Mexico	2:15.77	2:19.93
r:+0.78	29.47	1:05.51 (36.04)		
	1:40.23 (34.72)	2:19.93 (39.70)		
4 Romano, Kristen	18	Puerto Rico	2:17.92	2:20.00
r:+0.76	30.06	1:02.96 (32.90)		
	1:39.36 (36.40)	2:20.00 (40.64)		
5 Gonzalez Medina, Esth	22	Mexico	2:22.10	2:20.01
r:+0.68	29.05	1:06.25 (37.20)		
	1:42.05 (35.80)	2:20.01 (37.96)		
6 Devine, Chenoa	19	California Aquat	2:21.20	2:20.61
r:+0.69	35.39	1:09.99 (34.60)		
	1:48.21 (38.22)	2:20.61 (32.40)		
7 Della Torre, Danielle	18	Athens Bulldog S	2:22.21	2:23.27
r:+0.70	31.35	1:11.95 (40.60)		
	1:50.54 (38.59)	2:23.27 (32.73)		
8 Diaz Martinez, Brenda	19	Mexico	2:24.60	2:23.67
r:+0.77	37.70	1:12.49 (34.79)		
	1:47.93 (35.44)	2:23.67 (35.74)		
9 Dilsaver, Dannie	19	California Aquat	2:22.94	2:25.13
r:+0.69	35.31	1:07.93 (32.62)		
	1:45.07 (37.14)	2:25.13 (40.06)		

Event 37 Men 200 LC Meter Mystery IM Time Trial

Name	Age	Team	Seed	Finals
=== - Time Trial ===				
1 Fujimori, Hiromasa	26	Phoenix Swim Clu	1:59.69	2:04.79
r:+0.71	26.43	55.47 (29.04)		

	1:28.45 (32.98)	2:04.79 (36.34)		
2	Fujimori, Takeharu	24 Phoenix Swim Clu	2:01.86	2:06.08
	r:+0.62 25.76	56.74 (30.98)		
	1:30.19 (33.45)	2:06.08 (35.89)		
3	Homans, Harry	18 Bluefish Swim Cl	2:09.52	2:06.44
	r:+0.68 27.35	1:04.77 (37.42)		
	1:37.02 (32.25)	2:06.44 (29.42)		
4	Acevedo, Javier	20 Swim Ontario	2:04.01	2:07.59
	r:+0.64 25.49	56.20 (30.71)		
	1:28.69 (32.49)	2:07.59 (38.90)		
5	Willenbring, Matthew	18 Austin Swim Club	2:06.49	2:07.80
	r:+0.72 32.17	1:02.13 (29.96)		
	1:34.92 (32.79)	2:07.80 (32.88)		
6	Martinez, Jose	21 Mexico	2:05.41	2:07.93
	r:+0.68 26.10	1:03.07 (36.97)		
	1:35.29 (32.22)	2:07.93 (32.64)		
7	Wright, River	17 Bluefish Swim Cl	2:09.68	2:08.91
	r:+0.66 31.48	1:02.69 (31.21)		
	1:33.62 (30.93)	2:08.91 (35.29)		
8	Tan, Zachary Ian	14 Singapore/Phoeni	2:06.92	2:09.33
	r:+0.66 31.80	1:04.20 (32.40)		
	1:40.66 (36.46)	2:09.33 (28.67)		
9	Ruvalcaba Cruz, Hecto	20 Mexico	2:06.79	2:09.43
	r:+0.72 27.38	1:01.22 (33.84)		
	1:39.17 (37.95)	2:09.43 (30.26)		