# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

**********
WOMEN 25-29
**********

50 M. FREE
25.42 ANNABEL KOSTEN NED 2004
25.73 EMMA GAGE GBR 2015
26.09 DARYA NADZHAFOVA UKR 2018
26.10 JENNIFER THATER GER 2017
26.16 TATIANA BARBOSA BRA 2007
26.20 ALISON SHEPPARD GBR 1998
26.38 RIENEKE TERINK NED 2013
26.50 EMI MORONUKI USA 2018
26.53 AYUMI TOCHIHARA JPN 2016
26.56 MOTOMI NAKAMURA JPN 2013

100 M. FREE
56.87 TATIANA BARBOSA BRA 2007
56.96 EMMA GAGE GBR 2015
57.70 DANIELA SCHREIBER GER 2016
57.70 LAURA FERNANDEZ ESP 2015
57.71 AIMEE RAMM GBR 2008
57.76 SHEILA TAORMINA USA 1995
57.78 JENNIFER THATER GER 2017
58.18 NADINE JONES AUS 2016
58.22 ALISON SHEPPARD GBR 1998
58.23 SARA SHAND USA 1991

200 M. FREE
2:02.06 SHEILA TAORMINA USA 1996
2:02.44 RACHEL KOMISARZ USA 2001
2:04.06 MARIA ALVAREZ COL 2016
2:04.56 MEGAN JENDRICK USA 2010
2:05.41 AISHA THORNTON GBR 2016
2:05.79 CAROLINE SAXBY GBR 2012
2:06.33 CAROLINE CAVADINI BEL 2016
2:06.37 KIM VAN KRUYSSEN BEL 2000
2:06.40 NADINE REICHERT GER 2009
2:06.63 ANNA POLYAKOVA RUS 2015

400 M. FREE
4:13.03 SHEILA TAORMINA USA 1996
4:16.31 RACHEL KOMISARZ USA 2001
4:17.93 MARIA ALVAREZ COL 2016
4:18.62 SOPHIE CASSON GBR 2011
4:21.89 SWANN OBERSON GER 2012
4:22.53 AISHA THORNTON GBR 2016
4:23.18 C.OESTRINGER SUI 2016
4:23.81 NADINE REICHERT GER 2009
4:24.11 SILVIA VIDA GER 2003
4:26.47 MARIA SANTAFE COL 2016

800 M. FREE
8:45.89 SWANN OBERSON GER 2012
8:47.44 RACHEL KOMISARZ USA 2001
8:51.00 MARIA ALVAREZ COL 2016
8:51.48 NADINE REICHERT GER 2009
8:52.65 SOPHIE CASSON GBR 2011
8:53.93 K.BISHOP AUS 1989
9:03.24 AISHA THORNTON GBR 2016
9:07.50 MARIA SANTAFE COL 2016
9:12.58 SABRINA MARZAHN GER 2016
9:15.29 PAULA WOOD GBR 2007

1500 M. FREE
16:34.89 SWANN OBERSON GER 2012
16:39.77 RACHEL KOMISARZ USA 2001
16:53.78 SOPHIE CASSON GBR 2011
17:26.88 PAULA WOOD GBR 2007
17:27.96 SHEILA TAORMINA USA 1995
17:38.09 S. PALMER-WHITE AUS 1991
17:38.78 AMY POPE USA 1988
17:41.64 LINDA GALLO USA 2004
17:50.23 AMY LEPPING USA 1987
17:54.78 HITOMI MATSUDA JPN 2005

50 M. BACK
28.39 EMI MORONUKI USA 2018
28.99 YURIE OGA JPN 2014
29.60 MAI NAKAMURA JPN 2008
29.88 ORSOLYA TOMPA HUN 2017
30.01 ANJA VAN DER HOUT NED 2015
30.07 CAROLINA COLORADO COL 2016
30.20 ESTEFANIA DIETZE BRA 2017
30.27 IRYNA BOLSHAKOVA UKR 2011
30.27 ELENA PYATOVA RUS 2008
30.39 A.DORODNYKH RUS 2018

100 M. BACK
1:01.60 EMI MORONUKI USA 2018
1:02.91 CAROLINA COLORADO COL 2016
1:03.26 YURIE OGA JPN 2014
1:04.82 AKIKO MIZUMOTO JPN 2007
1:04.88 KANA OHASHI JPN 2007
1:05.02 ALISON SHEPPARD GBR 1998
1:05.78 ELENA PYATOVA RUS 2008
1:05.91 VALENTINA LUCCONI ITA 2017
1:06.08 ANJA VAN DER HOUT NED 2015
1:06.13 OLGA KLJUCHNIKOVA RUS 2015
1:06.13 KAORU ONO JPN 1998

200 M. BACK
2:13.19 EMI MORONUKI USA 2018
2:15.03 CAROLINA COLORADO COL 2016
2:17.30 KANA OHASHI JPN 2007
2:17.56 SOPHIE CASSON GBR 2011
2:19.97 DIANE GRANER USA 1989
2:20.76 MONIQUE RODAHL NZL 1989
2:20.88 ALISON SHEPPARD GBR 1998
2:22.41 LIA OBERSTAR USA 2004
2:23.12 LEONIE VAN NOORT NED 2018
2:23.93 VALENTINA LUCCONI ITA 2017

50 M. BRST
31.60 MEGAN JENDRICK USA 2010
32.01 S.SEMINATORE ITA 1989
32.03 ANNA KUZMICHEVA RUS 2015
32.65 NICOLE HEIDEMANN GER 2009
32.68 MONICA ALVAREZ COL 2016
32.75 YOSHIMI MIWA JPN 2012
32.79 MANUELA NACKEL GER 2000
32.83 SONJA SCHOBER GER 2012
33.01 RACHAEL WILSON GBR 2016
33.02 ZUZANA MIMOVICOVA SVK 2017
33.02 SUVI PULKKINEN FIN 2016

100 M. BRST
1:10.56 MEGAN JENDRICK USA 2010
1:10.63 RACHAEL WILSON GBR 2016
1:12.09 BRIGITTE BECUE BEL 2000
1:12.34 MONICA ALVAREZ COL 2016
1:12.37 NICOLE HEIDEMANN GER 2011
1:12.65 HITOMI MATSUDA JPN 2006
1:12.91 LOUISE DALGAARD DEN 2018
1:13.03 ZUZANA MIMOVICOVA SVK 2017
1:13.07 SIRI KRISTIANSEN NOR 2018
1:13.15 MANUELA NACKEL GER 1999

200 M. BRST
2:35.46 HITOMI MATSUDA JPN 2006
2:35.82 NICOLE HEIDEMANN GER 2009
2:37.68 ULRIKE GERNER GER 2012
2:37.68 KATIE HENDERSON GBR 2009
2:38.22 KATJA BRASCHOSS GER 2006
2:38.52 JULIA DAMMANN GER 2017
2:39.40 BRITTA O'LEARY USA 2012
2:40.10 MARISSA CLAPP USA 2015
2:40.38 CAMILLE MARCHAND FRA 2016
2:40.43 DARYA BELOVA RUS 2015

50 M. FLY
27.05 MASAKO KUROKI JPN 2018
27.10 EMMA GAGE GBR 2015
27.28 YUKA KATO JPN 2015
27.29 ANNA POLYAKOVA RUS 2015
27.46 V.VLADYKINA RUS 2015
27.55 ELZANNE WERTH RSA 2015
27.57 DARYA NADZHAFOVA UKR 2018
27.63 MOTOMI NAKAMURA JPN 2013
27.66 A.LYAZEVA RUS 2018
27.80 V.EHRENBAUER GER 2016

100 M. FLY
59.99 ANNA POLYAKOVA RUS 2015
1:01.04 RACHEL KOMISARZ USA 2001
1:01.40 HANNAH SAIZ USA 2017
1:01.93 EMMA GAGE GBR 2015
1:02.10 B.STUDZINSKI GER 2014
1:02.38 MASAKO KUROKI JPN 2018
1:02.57 CAROLINA COLORADO COL 2016
1:02.73 YUKO NAKANISHI JPN 2010
1:02.83 JENNIFER THATER GER 2017
1:03.01 ELINORE DE JONG NED 2017

200 M. FLY
2:15.02 HANNAH SAIZ USA 2017
2:16.82 KIM VAN KRUYSSEN BEL 2000
2:17.51 SHEILA TAORMINA USA 1996
2:17.56 YUKO NAKANISHI JPN 2010
2:18.69 S.PALMERWHITE AUS 1992
2:18.80 CHIZUKO UMIGUCHI JPN 1997
2:20.61 LISA STAMM SUI 2017
2:20.72 HELEN SLATTER GBR 1996
2:21.27 HITOMI MATSUDA JPN 2006
2:21.57 JENNY WACHSMUTH GER 2014

200 M. I.M.
2:19.65 MARGOT JANDEL GER 2003
2:20.71 HITOMI MATSUDA JPN 2005
2:21.84 SVETLANA KARPEEVA RUS 2012
2:21.98 ALLISON WAGNER USA 2005
2:22.00 SHARRON DAVIES GBR 1990
2:22.57 B.STUDZINSKI GER 2014
2:22.89 MONIQUE RODAHL NZL 1989
2:22.92 BRITTA O'LEARY USA 2013
2:23.76 ALISON SHEPPARD GBR 1998
2:24.22 ZUZANA MIMOVICOVA SVK 2017

400 M. I.M.
4:59.94 SABRINA MARZAHN GER 2016
5:02.78 HITOMI MATSUDA JPN 2006
5:04.80 ANNA SPIETZACK GER 2015
5:05.29 SHARRON DAVIES GBR 1990
5:06.34 SARA L SHAND USA 1989
5:06.37 V.KOLNIKOVA SVK 2018
5:07.04 MARIANGEL HIDALGO CRC 2014
5:07.27 MAREN SPIETZACK GER 2015
5:07.87 MARISSA CLAPP USA 2015
5:07.94 LISA STAMM SUI 2017

**********
WOMEN 30-34
**********

50 M. FREE
25.74 MARTINA MORAVCOVA USA 2009
25.99 TONI JEFFS NZL 2002
26.02 IRINA SHLEMOVA RUS 2015
26.12 S.KNYAGININA RUS 2015
26.18 KATRINA RADKE USA 2004
26.25 ANGEL MARTINO USA 2000
26.29 A-L.ARASSUS FRA 2016
26.37 S.NEILSON-BELL USA 1988
26.38 PEGGY GROSS USA 2002
26.46 KATJA OTTO GER 2014

100 M. FREE
55.24 ERIKA ERNDL USA 2009
55.62 MARTINA MORAVCOVA USA 2008
57.09 ANGEL MARTINO USA 2000
57.65 IRINA SHLEMOVA RUS 2015
58.01 PASCALE VERBAUWEN BEL 1993
58.09 SANDY NEILSON USA 1988
58.20 HITOMI MATSUDA JPN 2010
58.25 KATJA OTTO GER 2014

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# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

58.30 KATY SEXTON GBR 2012
58.37 RUTH JONES USA 2013

200 M. FREE

2:04.05 DAWN HECKMAN USA 2011
2:04.62 HITOMI MATSUDA JPN 2009
2:05.91 CAROLINE SAXBY AUS 2013
2:05.97 SOPHIE CASSON GBR 2017
2:06.80 KARLYN PIPES USA 1996
2:06.91 MEGAN MELGAARD USA 2012
2:07.10 VERONICA BALSANO BRA 2017
2:07.84 BETH KNIGHT USA 1989
2:07.87 KATJA TROSIEN GER 2007
2:08.03 MARINA FALCONE USA 2017

400 M. FREE

4:18.63 DAWN HECKMAN USA 2011
4:22.91 SOPHIE CASSON GBR 2017
4:25.60 HITOMI MATSUDA JPN 2008
4:26.50 MEGAN MELGAARD USA 2012
4:27.11 CAROLINE SAXBY AUS 2013
4:27.11 KIRSTEN CAMERON NZL 2007
4:28.33 PILAR GEIJO ARG 2014
4:28.76 KARLYN PIPES USA 1996
4:30.38 BETH L KNIGHT USA 1991
4:31.20 RACHAEL KEIR GBR 2017

800 M. FREE

8:46.47 DAWN HECKMAN USA 2011
8:58.94 SOPHIE CASSON GBR 2017
9:13.22 KIRSTEN CAMERON NZL 2007
9:16.82 LYNN MARSHALL CAN 1992
9:17.54 YVETTA HLAVACOVA CZE 2005
9:19.96 SUSAN PORTER USA 1994
9:20.20 BETH L KNIGHT USA 1991
9:21.60 KELLY HIGGINS AUS 2011
9:22.73 KAREN BURTON USA 1996
9:23.06 BROOKE BENNETT USA 2012

1500 M. FREE

17:11.25 HEIDI GEORGE USA 2009
17:20.55 SOPHIE CASSON GBR 2017
17:32.48 DAWN HECKMAN USA 2008
17:38.70 KAREN BURTON USA 1996
17:43.52 KIRSTEN CAMERON NZL 2007
17:48.42 YUREMA REQUENA ESP 2014
17:48.44 K.PIPES-NEILSEN USA 1996
17:48.60 LISA HAZEN USA 1996
17:53.12 BROOKE BENNETT USA 2012
17:53.28 HITOMI MATSUDA JPN 2007

50 M. BACK

28.57 NORIKO INADA USA 2012
28.95 MAI NAKAMURA JPN 2009
29.55 MARTINA MORAVCOVA USA 2009
29.70 KANA OHASHI JPN 2009
29.84 KATY SEXTON GBR 2013
30.32 KANA YAMAGUCHI JPN 2011
30.34 KELLY HARRIGAN USA 2018
30.45 NADINE ROLLAND CAN 2008
30.51 VENDULA ANTOSOVA CZE 2017
30.53 IRYNA BOLSHAKOVA UKR 2017

100 M. BACK

1:01.78 NORIKO INADA USA 2011
1:03.30 KATY SEXTON GBR 2012
1:03.78 SARABETH METZGER USA 2009
1:04.40 KANA OHASHI JPN 2009
1:04.97 KELLY HARRIGAN USA 2014
1:05.42 DIANE GALLAS USA 1996
1:05.50 IRYNA BOLSHAKOVA UKR 2018
1:05.54 KARLYN PIPES USA 1996
1:06.35 VENDULA ANTOSOVA CZE 2017
1:06.63 KATIE BIRCHALL GBR 2012

200 M. BACK

2:17.61 SARABETH METZGER USA 2009
2:17.73 KARLYN PIPES USA 1996
2:18.05 KANA YAMAGUCHI JPN 2012
2:18.76 SOPHIE CASSON GBR 2017
2:21.26 DIANE GALLAS USA 1996
2:22.52 JOANNA CORBEN GBR 2002
2:23.00 KELLY HARRIGAN USA 2018
2:23.47 DAPHNE FUCHS GER 1993
2:23.56 ROBERTA IOPPI ITA 2016
2:23.67 RACHAEL KEIR GBR 2016

50 M. BRST

31.88 PETRA CHOCOVA CZE 2018
32.22 NICOLE HEIDEMANN GER 2013
32.40 N.VINOKURENKOVA RUS 2015
32.42 HITOMI MATSUDA JPN 2009
32.77 YUKO SAKAGUCHI JPN 2009
32.84 ASAMI KITAGAWA JPN 2018
32.94 GEORGINA HEYN GBR 2018
33.20 KATIE MCCLELLAND USA 2008
33.31 LARISSA BRAK NED 2018
33.32 LAURA HOLT USA 2014

100 M. BRST

1:10.10 HITOMI MATSUDA JPN 2009
1:11.49 N.VINOKURENKOVA RUS 2015
1:11.98 NICOLE HEIDEMANN GER 2013
1:12.87 LOUISE HENLEY GBR 2018
1:13.20 GEORGINA HEYN GBR 2018
1:13.29 KATIE MCCLELLAND USA 2008
1:13.32 SUSANNE HOCK GER 2014
1:13.68 LARISSA BRAK NED 2018
1:14.25 ASAMI KITAGAWA JPN 2018
1:14.32 ULRIKE GERNER GER 2013

200 M. BRST

2:28.93 HITOMI MATSUDA JPN 2009
2:35.90 N.VINOKURENKOVA RUS 2014
2:37.66 PETRA CHOCOVA CZE 2018
2:38.90 MARISSA CLAPP USA 2017
2:39.37 SUSANNE HOCK GER 2014
2:39.71 NICOLE HEIDEMANN GER 2013
2:40.90 A.JANITZKI GER 2010
2:41.42 BELEN DOMENECH ESP 2016
2:41.51 WENKE HANSEN USA 1999
2:41.63 KATIE MCCLELLAND USA 2008

50 M. FLY

27.48 MARTINA MORAVCOVA USA 2009
27.59 ANGEL MARTINO USA 2000
27.61 NORIKO INADA USA 2012
27.73 NADINE ROLLAND CAN 2008
28.04 IRINA SHLEMOVA RUS 2015
28.06 S.KNYAGININA RUS 2015
28.15 V.VLADYKINA RUS 2017
28.15 ANGELA TAVERNIER FRA 2014
28.25 RUTH JONES USA 2013
28.38 MABI TSUKIOKA JPN 2009

100 M. FLY

58.81 MARTINA MORAVCOVA USA 2008
1:00.03 ANGEL MARTINO USA 2000
1:01.19 L. CARVALHO AUS 2010
1:01.79 HITOMI MATSUDA JPN 2009
1:03.25 ANNA POLYAKOVA RUS 2018
1:03.76 B.BOULSEVICZ HUN 2017
1:03.93 TRACIE MOLL USA 1998
1:04.06 VERENA KLOCKER AUT 2015
1:04.08 LAURA BIANZANI ITA 2004
1:04.19 MARINA FALCONE USA 2017

200 M. FLY

2:13.60 METTE JACOBSEN DEN 2006
2:20.07 EVGUENIA OJOGUINA RUS 1999
2:20.12 KARLYN PIPES USA 1996
2:21.24 YUKIE UBUKATA JPN 2012
2:21.46 LAURA BIANZANI ITA 2004
2:21.50 HITOMI MATSUDA JPN 2007
2:22.57 HIDEKA KOSHIMIZU JPN 1995
2:22.65 VIKTORIA FELFOLDI HUN 2018
2:23.26 MARTIE MC KINNEY USA 1995
2:23.35 MELISSA VARLAS USA 2005

200 M. I.M.

2:13.89 ERIKA ERNDL USA 2009
2:19.28 HITOMI MATSUDA JPN 2010
2:21.28 N.VINOKURENKOVA RUS 2013
2:23.12 KARLYN PIPES USA 1996
2:23.35 ALICIA HALE USA 2018
2:23.50 SARABETH METZGER USA 2009
2:23.94 MAREN SPIETZACK GER 2017
2:24.12 NADINE DAY USA 2004
2:24.28 VERONICA BALSANO BRA 2017
2:24.54 MARISSA CLAPP USA 2017

400 M. I.M.

4:56.08 HITOMI MATSUDA JPN 2009
5:02.23 N.VINOKURENKOVA RUS 2014
5:03.97 KARLYN PIPES USA 1996
5:04.67 MAREN SPIETZACK GER 2017
5:04.97 MARISSA CLAPP USA 2017
5:05.05 HIDEKA KOSHIMIZU JPN 1995
5:05.45 CHELSEA COLWILL USA 2018
5:08.27 VERONICA BALSANO BRA 2017
5:09.32 ANNA SPIETZACK GER 2017
5:09.93 NADINE DAY USA 2004

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WOMEN 35-39

**********

50 M. FREE

25.98 DARA TORRES USA 2006
26.53 EDITH OTTERMANN RSA 2004
26.58 OLESSIA BOUROVA ITA 2017
26.63 EKATERINA YUDINA RUS 2013
26.65 ERIKA BRAUN USA 2011
26.66 TRACIE MOLL USA 1999
26.68 S.NEILSON-BELL USA 1996
26.78 NORIKO INADA USA 2014
26.78 SANDRA KAZIKOVA CZE 2012
26.85 PEGGY GROSS USA 2004

100 M. FREE

58.09 ERIKA ERNDL USA 2016
58.22 LAURA ROCA ESP 2015
58.87 HITOMI MATSUDA JPN 2012
58.87 S.NEILSON-BELL USA 1995
58.94 BETH KNIGHT USA 1994
59.16 SHERI HART USA 2006
59.20 TRACIE MOLL USA 1999
59.21 K.PIPES-NEILSEN USA 1997
59.26 MEGAN OESTING USA 2009
59.27 JANA KLUSACKOVA CZE 2016

200 M. FREE

2:05.97 ERIKA ERNDL USA 2016
2:06.62 K PIPES-NEILSEN USA 1998
2:07.64 SHEILA TAORMINA USA 2006
2:07.99 HITOMI MATSUDA JPN 2012
2:08.71 TRACIE MOLL USA 1999
2:08.75 KIRSTEN CAMERON NZL 2009
2:08.93 CLAUDIA POLL CRC 2010
2:08.93 BETH KNIGHT USA 1994
2:09.33 SUSAN HALFACRE USA 1988
2:09.58 LAURA ROCA ESP 2016

400 M. FREE

4:25.68 KIRSTEN CAMERON NZL 2009
4:26.17 K.PIPES-NEILSEN USA 1997
4:29.56 HITOMI MATSUDA JPN 2012
4:31.35 BETH KNIGHT USA 1994
4:32.57 SHEILA TAORMINA USA 2006
4:33.08 SUSAN HALFACRE USA 1988
4:34.20 SUSAN PAMELIA USA 1987
4:34.43 CINDY BERTELINK CAN 2014
4:34.95 HEIDI GEORGE USA 2015
4:35.19 VALERIA VERGANI ITA 2006

800 M. FREE

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# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

9:05.15 KIRSTEN CAMERON NZL 2009
9:13.49 SHEILA TAORMINA USA 2006
9:14.67 HEIDI GEORGE USA 2015
9:16.20 K.PIPES-NEILSEN USA 1997
9:20.62 BETH KNIGHT USA 1994
9:24.54 SUSAN HALFACRE USA 1988
9:25.54 PENNY BOND AUS 1998
9:26.17 JACQUI ROBINSON AUS 2008
9:27.41 HITOMI MATSUDA JPN 2012
9:27.70 VALERIA VERGANI ITA 2006

1500 M. FREE

17:17.22 HEIDI GEORGE USA 2015
17:31.97 KIRSTEN CAMERON AUS 2012
17:46.58 K PIPES-NEILSEN USA 2000
17:54.74 HITOMI MATSUDA JPN 2012
17:57.14 EMMA WILLS GBR 2017
17:59.12 BETH KNIGHT USA 1994
18:07.43 LYNN MARSHALL CAN 1996
18:09.11 CAROLINA BENEYTO ESP 2014
18:09.36 LISA HAZEN USA 1999
18:12.11 SUSAN PAMELIA USA 1987

50 M. BACK

28.63 NORIKO INADA USA 2016
30.17 SHERI HART USA 2010
30.47 ALENA NYVLTOVA CZE 2017
30.89 KANA OHASHI JPN 2013
31.01 KANA MORIHISA JPN 2017
31.22 MARIA RIVERA VEN 2010
31.24 GISELI PEREIRA BRA 2011
31.27 PASCALE VERBAUWEN BEL 2001
31.28 CINDY MABEE CAN 2008
31.31 K PIPES-NEILSEN USA 1999

100 M. BACK

1:01.75 NORIKO INADA USA 2017
1:04.99 SHERI HART USA 2010
1:05.41 K.PIPES-NEILSEN USA 1997
1:05.58 KANA OHASHI JPN 2013
1:06.34 GISELI PEREIRA BRA 2011
1:06.91 JODY SMITH USA 2008
1:07.44 C.J-SPONCELLER SWE 2010
1:07.47 KANA MORIHISA JPN 2017
1:07.79 JOANNA CORBEN GBR 2005
1:07.93 MARIA RIVERA VEN 2010

200 M. BACK

2:18.20 K.PIPES-NEILSEN USA 1997
2:19.98 NORIKO INADA USA 2017
2:20.67 KANA OHASHI JPN 2013
2:22.07 JODY SMITH USA 2008
2:22.92 SHERI HART USA 2006
2:23.47 JOANNA CORBEN GBR 2005
2:24.52 PASCALE VERBAUWEN BEL 1998
2:26.32 TERRY RADAM USA 2000
2:26.44 SILVIA PAROCCHI ITA 2003
2:26.58 KANA MORIHISA JPN 2017
2:26.58 C.J-SPONCELLER SWE 2010

50 M. BRST

32.67 NICOLE HEIDEMANN GER 2017
32.86 KATIE GLENN USA 2013
33.10 R.CRESCENTINI ITA 2011
33.24 HITOMI MATSUDA JPN 2012
33.44 CLAIRE ROLT RSA 2017
33.49 CASEY KEIBER USA 2016
33.52 LINLEY FRAME AUS 2010
33.54 N.VINOKURENKOVA RUS 2018
33.64 SYLVIA GERASCH GER 2004
33.68 LAURA ROCA ESP 2016

100 M. BRST

1:12.34 KATIE GLENN USA 2013
1:12.57 NICOLE HEIDEMANN GER 2018
1:12.75 CYNTHIA LEWIS USA 2013
1:12.77 HITOMI MATSUDA JPN 2012
1:13.28 N.VINOKURENKOVA RUS 2018
1:13.81 CAROLINE KRATTLI USA 2001
1:14.50 CLAIRE ROLT RSA 2017
1:14.65 LINLEY FRAME AUS 2010
1:14.73 ERIKA ERNDL USA 2016
1:14.84 ANNA-KARIN LUNDIN SWE 2011

200 M. BRST

2:35.40 HITOMI MATSUDA JPN 2012
2:38.95 NICOLE HEIDEMANN GER 2017
2:39.78 KATIE GLENN USA 2013
2:40.63 CYNTHIA LEWIS USA 2013
2:41.51 YUKO MORITA JPN 2012
2:41.76 CAROLINE KRATTLI USA 2001
2:41.81 N.VINOKURENKOVA RUS 2018
2:43.74 CAROLINA BENEYTO ESP 2015
2:45.52 CLAIRE ROLT RSA 2017
2:45.79 SATSUKI HIRUKAWA JPN 2015

50 M. FLY

27.46 NORIKO INADA USA 2014
28.03 LYNNE HAYES AUS 2009
28.20 J.GOLEBIOWSKA POL 2017
28.25 ANNA DUDA POL 2017
28.25 R.CRESCENTINI ITA 2011
28.32 TRACIE MOLL USA 1999
28.63 MABI TSUKIOKA JPN 2015
28.67 JUNKO ONISHI JPN 2010
28.73 PASCALE VERBAUWEN BEL 2001
28.75 KRISTINA ULVELING USA 2009

100 M. FLY

1:02.44 LYNNE HAYES AUS 2009
1:03.08 ERIKA ERNDL USA 2016
1:03.52 MELANIA BUSSIERE CAN 2008
1:03.79 TRACIE MOLL USA 1999
1:03.97 KRISTINA ULVELING USA 2009
1:04.34 K PIPES-NEILSEN USA 1998
1:04.59 HITOMI MATSUDA JPN 2014
1:04.91 DEBBIE YOUNGER CAN 2005
1:05.02 PEGGY GROSS USA 2004
1:05.31 ILDIKO SZEKELY USA 2016

200 M. FLY

2:20.21 K.PIPES-NEILSEN USA 1997
2:22.05 HITOMI MATSUDA JPN 2012
2:22.61 ILDIKO SZEKELY USA 2016
2:26.36 SHEILA TAORMINA USA 2006
2:26.38 LAURA B VAL USA 1989
2:26.71 KRISTINA ULVELING USA 2008
2:26.77 L. CARVALHO AUS 2016
2:27.21 NICOLA LATTY GBR 2007
2:27.36 ANA PAULA GRILO POR 2006
2:27.55 DEBBIE YOUNGER CAN 2005

200 M. I.M.

2:21.47 HITOMI MATSUDA JPN 2012
2:22.42 K.PIPES-NEILSEN USA 1997
2:23.49 ERIKA ERNDL USA 2016
2:25.55 N.VINOKURENKOVA RUS 2018
2:25.56 CYNTHIA LEWIS USA 2013
2:26.22 BRUNA BUMACHAR BRA 2017
2:26.58 LAURA ROCA ESP 2015
2:28.07 CAROLINE KRATTLI USA 2001
2:28.51 CLAUDIA POLL CRC 2010
2:28.83 SILVIA PAROCCHI ITA 2004

400 M. I.M.

4:59.59 HITOMI MATSUDA JPN 2012
5:02.67 K PIPES-NEILSEN USA 1998
5:15.05 LAUREEN WELTING USA 2001
5:16.17 CYNTHIA LEWIS USA 2011
5:16.83 NADINE DAY USA 2007
5:18.43 JILL HERNANDEZ USA 1999
5:18.68 CAROLINA BENEYTO ESP 2014
5:19.07 BRUNA BUMACHAR BRA 2017
5:19.41 CINDY BERTELINK CAN 2014
5:19.77 KATHERINE VEALE GBR 2001

## WOMEN 40-44

50 M. FREE

25.68 DARA TORRES USA 2011
26.44 EDITH OTTERMANN RSA 2009
26.53 ERIKA BRAUN USA 2015
26.64 INGE DE BRUIJN NED 2013
26.88 MARIA DOELGER USA 2003
26.95 JUNKO NAKANO JPN 2008
26.97 ELIZABETH EMERY USA 2002
27.18 JENNIE BUCKNELL AUS 2009
27.28 ANN WORTHINGTON USA 2006
27.29 RAAKEL LUOTO FIN 2017
27.29 KERRY LINDAUER USA 2015

100 M. FREE

58.04 ERIKA BRAUN USA 2013
58.43 MARIA DOELGER USA 2003
59.13 ELIZABETH EMERY USA 2002
59.59 K PIPES-NEILSEN USA 2004
59.63 RAAKEL LUOTO FIN 2016
1:00.31 F.TRAVAGLINI ITA 2016
1:00.32 BARBARA KEHBEIN GER 2013
1:00.39 BEVERLEY MCCARNEY RSA 2004
1:00.40 KATIE GLENN USA 2017
1:00.40 S.VON DER LIPPE USA 2009

200 M. FREE

2:09.00 K PIPES-NEILSEN USA 2003
2:09.78 KIRSTEN CAMERON GBR 2016
2:10.38 CINDY BERTELINK CAN 2017
2:10.47 KATIE GLENN USA 2016
2:10.50 S.VON DER LIPPE USA 2007
2:11.05 CLAUDIA POLL CRC 2014
2:11.63 BARBARA KEHBEIN GER 2013
2:12.24 AMANDA PICARD SUI 2008
2:12.75 SUSANNE SIMPSON USA 2002
2:12.77 VALERIA VERGANI ITA 2013

400 M. FREE

4:22.87 JANET EVANS USA 2011
4:28.24 KIRSTEN CAMERON GBR 2015
4:28.24 K PIPES-NEILSEN USA 2002
4:34.33 AMANDA PICARD SUI 2008
4:34.33 SUSAN PRESTON USA 2006
4:34.43 KATIE GLENN USA 2016
4:35.74 PENNY PALFREY AUS 2002
4:36.05 HEIDI GEORGE USA 2018
4:36.26 SUSAN DOMBKOWSKI USA 2006
4:37.57 CINDY BERTELINK CAN 2017

800 M. FREE

8:59.06 JANET EVANS USA 2011
9:06.86 KIRSTEN CAMERON GBR 2015
9:21.16 HEIDI GEORGE USA 2017
9:24.77 K PIPES-NEILSEN USA 2002
9:24.90 PENNY PALFREY AUS 2002
9:25.95 SUSAN PRESTON USA 2006
9:25.95 SUZAN HEIM-BOWEN USA 2001
9:28.33 AMANDA PICARD SUI 2008
9:30.66 VALERIA VERGANI ITA 2013
9:31.64 JILL HERNANDEZ USA 2000

1500 M. FREE

17:29.43 HEIDI GEORGE USA 2017
17:31.51 KIRSTEN CAMERON GBR 2015
17:55.28 R.SANTOS ARRIAGA ESP 2018
17:56.52 K PIPES-NEILSEN USA 2003
18:02.60 AMANDA PICARD SUI 2008
18:07.10 VALERIA VERGANI ITA 2013
18:14.34 SUZ HEIM-BOWEN USA 1998
18:15.98 N.MUIR-COCHRANE GBR 2004
18:25.26 JILL HERNANDEZ USA 2000
18:25.28 LYNN MARSHALL CAN 2002

50 M. BACK

29.62 NORIKO INADA USA 2018

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# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

30.35 RAAKEL LUOTO FIN 2018
30.89 MARIA RIVERA VEN 2013
31.07 KANA MORIHISA JPN 2018
31.38 ERIKA BRAUN USA 2015
31.49 CINDY MABEE CAN 2009
31.52 GISELI PEREIRA BRA 2013
31.58 MICHELLE WARE GBR 2017
31.63 JODY SMITH USA 2009
31.69 JUNKO NAKANO JPN 2008

100 M. BACK

1:04.70 NORIKO INADA USA 2018
1:06.32 RAAKEL LUOTO FIN 2017
1:07.06 CINDY MABEE CAN 2009
1:07.21 JODY SMITH USA 2009
1:07.24 KANA MORIHISA JPN 2018
1:07.69 K PIPES-NEILSEN USA 2003
1:07.75 GISELI PEREIRA BRA 2013
1:08.21 SYLVIE ALLERY FRA 2009
1:08.32 HELEN WHITFORD AUS 2008
1:08.33 KRISTIN GARY USA 2008

200 M. BACK

2:23.18 SILVIA PAROCCHI ITA 2009
2:23.18 JODY SMITH USA 2009
2:23.64 K PIPES-NEILSEN USA 2003
2:24.14 KANA MORIHISA JPN 2018
2:27.07 NORIKO INADA USA 2018
2:27.11 HELEN WHITFORD AUS 2008
2:27.78 JOANNA CORBEN GBR 2010
2:28.36 KRISTIN GARY USA 2008
2:30.17 ELLEN REYNOLDS USA 2008
2:30.37 GISELI PEREIRA BRA 2012

50 M. BRST

32.32 LINLEY FRAME AUS 2013
32.47 KATIE GLENN USA 2016
33.25 S.VON DER LIPPE USA 2006
33.44 S.BONDARENKO UKR 2011
33.79 CAROLINE KRATTLI USA 2002
33.86 LISA BLACKBURN USA 2013
33.90 S.MARINOVIC CRO 2018
34.20 S.SEMINATORE ITA 2004
34.33 CYNTHIA LEWIS USA 2017
34.48 CASEY KEIBER USA 2017

100 M. BRST

1:11.31 LINLEY FRAME AUS 2013
1:13.34 S.VON DER LIPPE USA 2006
1:13.55 CYNTHIA LEWIS USA 2015
1:13.57 KATIE GLENN USA 2016
1:13.82 CAROLINE KRATTLI USA 2002
1:14.06 S.MARINOVIC CRO 2018
1:14.12 S.BONDARENKO UKR 2012
1:14.15 LISA BLACKBURN USA 2014
1:14.71 HELEN GORMAN GBR 2014
1:14.90 MARZENA KULIS ITA 2006

200 M. BRST

2:38.44 S.VON DER LIPPE USA 2006
2:40.76 H.MORRIS-EYTON RSA 2010
2:40.86 LINLEY FRAME AUS 2014
2:41.08 S.MARINOVIC CRO 2018
2:42.06 CAROLINE KRATTLI USA 2002
2:42.90 HELEN GORMAN GBR 2014
2:43.17 MARZENA KULIS ITA 2006
2:43.82 KATIE GLENN USA 2017
2:44.44 LISA BLACKBURN USA 2013
2:45.53 HITOMI MATSUDA JPN 2017

50 M. FLY

28.36 ERIKA BRAUN USA 2013
28.52 S.VON DER LIPPE USA 2009
28.68 RAAKEL LUOTO FIN 2017
28.87 NORIKO INADA USA 2018
28.97 ELIZABETH EMERY USA 2002
29.02 EDITH OTTERMANN RSA 2010
29.13 SILVIA PAROCCHI ITA 2007
29.24 MARIA RIVERA VEN 2013
29.29 CINDY BERTELINK CAN 2017
29.29 MARIA DOELGER USA 2003

100 M. FLY

1:03.36 S.VON DER LIPPE USA 2009
1:04.74 K PIPES-NEILSEN USA 2003
1:05.33 SILVIA PAROCCHI ITA 2007
1:05.61 BETH BAKER USA 2001
1:05.75 ERIKA BRAUN USA 2015
1:05.80 BEVERLEY MCCARNEY RSA 2004
1:06.27 LAURA VAL USA 1992
1:06.30 FRAUKE LABARRE GER 2018
1:06.35 WENKE SEIDER USA 2013
1:06.40 E.BELLINGER GBR 2018
1:06.40 MARZENA KULIS ITA 2007

200 M. FLY

2:24.77 K PIPES-NEILSEN USA 2003
2:24.78 S.VON DER LIPPE USA 2006
2:25.15 SUSAN PRESTON USA 2006
2:26.65 KINCSO VENCZEL HUN 2017
2:27.20 NICOLA LATTY GBR 2012
2:29.11 KAREN HIGGISON AUS 2009
2:29.37 SUSANNE SIMPSON USA 2002
2:29.81 BETH BAKER USA 2001
2:30.42 ANA PAULA GRILO ESP 2009
2:30.47 BIRGIT LOHBERG USA 2007

200 M. I.M.

2:25.03 S.VON DER LIPPE USA 2007
2:25.38 K PIPES-NEILSEN USA 2003
2:25.81 LISA BLACKBURN USA 2015
2:28.17 CYNTHIA LEWIS USA 2016
2:29.80 CAROLINE KRATTLI USA 2002
2:30.15 KANA MORIHISA JPN 2018
2:30.25 CLAUDIA POLL CRC 2014
2:30.33 HELEN GORMAN GBR 2014
2:30.33 SHEILA TRELEAVEN CAN 2014
2:30.64 GABRIELLE CHANG USA 2017

400 M. I.M.

5:09.83 K PIPES-NEILSEN USA 2004
5:20.12 CYNTHIA LEWIS USA 2016
5:21.32 JILL HERNANDEZ USA 2000
5:21.42 LISA BLACKBURN USA 2014
5:21.87 MARZENA KULIS ITA 2006
5:21.95 VALERIA VERGANI ITA 2012
5:22.84 HITOMI MATSUDA JPN 2017
5:22.96 ANA PAULA GRILO ESP 2009
5:23.73 DAWN PALMER GBR 2017
5:24.50 ANGELA DELISSEN GER 2008

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WOMEN 45-49

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50 M. FREE

26.59 EDITH OTTERMANN RSA 2011
27.04 M.FUZZATI FRA 2013
27.09 ERIKA BRAUN USA 2017
27.09 MELANIE THOMAS USA 2015
27.26 JENNIE BUCKNELL AUS 2012
27.44 SUSAN WALSH USA 2007
27.61 LISA BLACKBURN USA 2016
27.67 FALL WILLEBOORDSE USA 2011
27.68 ANETTE PHILIPSSON SWE 2012
27.76 BRIGITTE HEUER USA 2006

100 M. FREE

57.40 MELANIE THOMAS USA 2015
59.68 ERIKA BRAUN USA 2018
59.79 K.PIPES-NEILSEN USA 2007
1:00.05 M.FUZZATI FRA 2013
1:00.16 SUSAN WALSH USA 2007
1:00.23 BARBARA KEHBEIN GER 2014
1:00.78 JENNIE BUCKNELL AUS 2011
1:00.95 BETH LUTZ KNIGHT USA 2005
1:01.03 REBECCA PERROTT NZL 2008
1:01.13 LISA BLACKBURN USA 2016

200 M. FREE

2:10.09 K.PIPES-NEILSEN USA 2009
2:11.84 KIRSTEN CAMERON AUS 2018
2:12.76 BETH LUTZ KNIGHT USA 2005
2:13.00 MERELE LOVBERG NOR 2016
2:13.17 SUZANN HEIM-BOWEN USA 2003
2:13.27 ELENE JONES USA 2009
2:13.55 REBECCA PERROTT NZL 2008
2:13.85 JILL HERNANDEZ USA 2005
2:13.87 BARBARA KEHBEIN GER 2014
2:13.96 CLAUDIA POLL CRC 2018

400 M. FREE

4:35.00 KIRSTEN CAMERON AUS 2018
4:35.84 K.PIPES-NEILSEN USA 2008
4:37.74 ELENE JONES USA 2009
4:38.20 CLAUDIA POLL CRC 2018
4:39.20 SUZANN HEIM-BOWEN USA 2003
4:40.35 VALERIA VERGANI ITA 2016
4:41.63 LYNN MARSHALL CAN 2010
4:43.14 SUSANNE SIMPSON USA 2008
4:44.23 C.PETERSEN USA 2009
4:44.38 CLAUDIA KERN GER 2009

800 M. FREE

9:24.11 K.PIPES-NEILSEN USA 2007
9:24.53 SUZANN HEIM-BOWEN USA 2003
9:31.81 KIRSTEN CAMERON AUS 2018
9:36.86 ELENE JONES USA 2008
9:37.20 VALERIA VERGANI ITA 2016
9:40.27 LYNN MARSHALL CAN 2008
9:40.64 CLAUDIA KERN GER 2009
9:43.99 SUSANNA ROSEN SWE 2009
9:45.30 DIANNA EVA SZOKOL HUN 2016
9:45.99 REBECCA PERROTT NZL 2008

1500 M. FREE

17:55.83 SUZANN HEIM-BOWEN USA 2003
18:07.84 KIRSTEN CAMERON AUS 2018
18:10.28 ELENE JONES USA 2008
18:12.63 LYNN MARSHALL CAN 2009
18:40.27 LAURIE HUG USA 2012
18:44.29 K.PIPES-NEILSEN USA 2008
18:54.47 MAITE GARCIA ESP 2011
18:55.07 DIANNA SZOKOL HUN 2017
18:55.86 JILL GELLATLY USA 2012
18:56.48 LAURIE DODD USA 2017

50 M. BACK

31.02 CINDY MABEE CAN 2016
31.34 ANDREA KUTZ GER 2017
31.71 ELLEN REYNOLDS USA 2012
31.71 VALERIE JENKINS USA 2008
31.85 SUSAN WALSH USA 2007
31.94 SYLVIE ALLERY FRA 2014
31.99 LESLIE LIVINGSTON USA 2009
32.02 FALL WILLEBOORDSE USA 2013
32.07 ERIKA BRAUN USA 2017
32.08 SHIZUKO HIRAISHI JPN 2009

100 M. BACK

1:07.31 CINDY MABEE CAN 2016
1:07.75 JOANNA CORBEN GBR 2016
1:08.11 K.PIPES-NEILSEN USA 2009
1:08.55 ELLEN REYNOLDS USA 2010
1:08.82 KRISTIN GARY USA 2014
1:09.00 GISELI PEREIRA BRA 2017
1:09.20 SYLVIE ALLERY FRA 2014
1:09.41 SILVIA PAROCCHI ITA 2012
1:09.51 FALL WILLEBOORDSE USA 2013
1:09.66 SUSAN WALSH USA 2007

200 M. BACK

2:24.06 JOANNA CORBEN GBR 2016
2:26.06 K.PIPES-NEILSEN USA 2009
2:29.68 ELLEN REYNOLDS USA 2013

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2:30.68 STEPHANIE STONE USA 2015
2:31.07 SILVIA PAROCCHI ITA 2012
2:31.16 CLAUDIA POLL CRC 2017
2:31.93 LISA WARD USA 2009
2:32.08 KRISTIN GARY USA 2014
2:32.12 HELEN WHITFORD AUS 2012
2:33.51 SALLY BELL AUS 2007
50 M. BRST
33.56 LINLEY FRAME AUS 2017
33.66 S.VON DER LIPPE USA 2010
33.98 CAROLINE KRATTLI USA 2007
34.05 MARZENA KULIS ITA 2009
34.20 MONICA CORO ITA 2011
34.74 MAGGIE KELLY GBR 2001
34.84 HELEN GORMAN GBR 2018
34.89 S.BONDARENKO UKR 2016
34.91 SABINA VITALONI ITA 2016
35.12 ALBENA POPOVA ITA 2009
100 M. BRST
1:13.49 MARZENA KULIS ITA 2009
1:13.95 LINLEY FRAME AUS 2016
1:14.41 S.VON DER LIPPE USA 2010
1:14.70 HELEN GORMAN GBR 2018
1:15.64 LISA BLACKBURN USA 2016
1:15.65 CAROLINE KRATTLI USA 2007
1:15.95 WENKE SEIDER USA 2014
1:17.16 MONICA CORO ITA 2011
1:18.19 MAGGIE KELLY GBR 2001
1:18.21 ANNA HAMMAR SWE 2013
200 M. BRST
2:40.42 MARZENA KULIS ITA 2009
2:43.73 H.MORRIS-EYTON RSA 2013
2:45.20 CAROLINE KRATTLI USA 2007
2:45.59 LINLEY FRAME AUS 2016
2:46.96 HELEN GORMAN GBR 2017
2:48.13 WENKE SEIDER USA 2014
2:50.94 CLAUDIA KERN GER 2009
2:51.02 JUDIT HAJDU AUT 2007
2:53.27 K.PIPES-NEILSEN USA 2008
2:53.69 LAURA MOLINARI ITA 2015
50 M. FLY
28.40 ERIKA BRAUN USA 2017
28.97 EDITH OTTERMANN RSA 2011
29.04 WENKE SEIDER USA 2014
29.12 S.VON DER LIPPE USA 2010
29.33 IZABELA FRACZEK POL 2017
29.33 YURIKO IKEDA JPN 2017
29.37 LAURIE DITOMMASO USA 2009
29.52 K.PIPES-NEILSEN USA 2008
29.57 LISA DAHL USA 2009
29.70 MICHELLE WARE GBR 2018
100 M. FLY
1:04.96 WENKE SEIDER USA 2014
1:05.69 K.PIPES-NEILSEN USA 2008
1:06.42 ARLENE DELMAGE USA 2008
1:06.45 ERIKA BRAUN USA 2017
1:06.65 BIRGIT LOHBERG USA 2010
1:06.91 FRANCA BOSISIO ITA 2014
1:07.18 NATALIYA MATVEEVA RUS 2010
1:07.28 YURIKO IKEDA JPN 2018
1:07.30 JILL HERNANDEZ USA 2005
1:07.62 SHIZUKO HIRAISHI JPN 2008
200 M. FLY
2:24.34 K.PIPES-NEILSEN USA 2009
2:30.37 FRANCA BOSISIO ITA 2014
2:31.37 LAURA VAL USA 1998
2:32.07 SUSANNE SIMPSON USA 2006
2:32.38 TERESA GARCIA ESP 2010
2:32.51 NICOLA LATTY GBR 2016
2:32.59 S. PALMER-WHITE AUS 2009
2:33.37 LYNN MARSHALL CAN 2006
2:34.03 PAMELA NIX AUS 2012
2:34.05 ANDREA BLOCK USA 2006
200 M. I.M.
2:27.57 K.PIPES-NEILSEN USA 2008
2:28.42 WENKE SEIDER USA 2014
2:31.88 MARZENA KULIS ITA 2009
2:31.95 REBECCA PERROTT NZL 2008
2:32.18 HELEN GORMAN GBR 2017
2:32.43 BARBARA KEHBEIN GER 2014
2:32.46 JILL HERNANDEZ USA 2005
2:32.58 ELLEN REYNOLDS USA 2012
2:33.33 HIDEKO MAKINO JPN 2018
2:33.72 CINDY MABEE CAN 2016
400 M. I.M.
5:13.85 K.PIPES-NEILSEN USA 2008
5:23.69 ELLEN REYNOLDS USA 2013
5:27.67 JILL HERNANDEZ USA 2005
5:27.86 REBECCA PERROTT NZL 2008
5:29.68 MARZENA KULIS ITA 2009
5:30.74 STEPHANIE STONE USA 2013
5:32.02 HELEN WHITFORD AUS 2012
5:32.27 JILL GELLATLY USA 2014
5:32.69 ANGELA DELISSEN GER 2012
5:33.11 LYNN MARSHALL CAN 2009

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WOMEN 50-54
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50 M. FREE
27.09 MARIE FUZZATI FRA 2015
27.63 EDITH OTTERMANN RSA 2017
27.79 ANETTE PHILIPSSON SWE 2015
27.95 JENNIE BUCKNELL AUS 2018
28.17 FALL WILLEBOORDSE USA 2016
28.22 LAURA VAL USA 2001
28.25 JENNY WHITELEY AUS 2009
28.33 DANIELA DE PONTI ITA 2016
28.40 FRANCA BOSISIO ITA 2018
28.41 SARAH MACDONALD CAN 2010
28.41 ANGELA ZINGLER GER 2005
100 M. FREE
1:00.42 MARIE FUZZATI FRA 2015
1:01.13 LAURA VAL USA 2001
1:01.51 ANETTE PHILIPSSON SWE 2015
1:02.08 LIZ DILLMANN USA 2015
1:02.25 H.WILLEBOORDSE USA 2017
1:02.31 S.HEIM-BOWEN USA 2008
1:02.49 DANIELA DE PONTI ITA 2015
1:02.95 SARAH MACDONALD CAN 2010
1:02.95 SHANE GOULD AUS 2008
1:02.99 JILL HERNANDEZ USA 2011
200 M. FREE
2:13.18 JILL HERNANDEZ USA 2013
2:15.00 S.HEIM-BOWEN USA 2008
2:15.06 LIZ DILLMANN USA 2015
2:15.37 LAURA VAL USA 2001
2:15.83 ELLEN REYNOLDS USA 2016
2:16.01 MAITE GARCIA ESP 2015
2:16.52 JENNY WHITELEY AUS 2009
2:17.53 ENEY JONES USA 2010
2:17.65 LYNN MARSHALL CAN 2011
2:17.74 MARIE FUZZATI FRA 2015
400 M. FREE
4:40.66 JILL HERNANDEZ USA 2013
4:41.18 SUSAN PRESTON USA 2016
4:41.19 LYNN MARSHALL CAN 2011
4:42.37 S.HEIM-BOWEN USA 2008
4:47.34 MAITE GARCIA ESP 2015
4:47.93 LAURA VAL USA 2002
4:48.62 ENEY JONES USA 2010
4:49.90 JILL GELLATLY USA 2017
4:50.23 ELLEN REYNOLDS USA 2017
4:50.37 JENNY WHITELEY AUS 2008
800 M. FREE
9:34.12 SUSAN PRESTON USA 2016
9:38.04 LYNN MARSHALL CAN 2011
9:48.81 S.HEIM-BOWEN USA 2008
9:52.55 LAURA VAL USA 2002
9:53.57 JILL GELLATLY USA 2017
9:54.50 MAITE GARCIA ESP 2015
9:56.15 JANE ANN HOAG ITA 2018
9:58.37 C.THIELEMANN GER 2018
9:58.93 PATRICIA CAMPBELL USA 2017
9:59.18 MARGEE CURRAN USA 2013
1500 M. FREE
18:29.28 LYNN MARSHALL CAN 2011
18:32.76 S.HEIM-BOWEN USA 2008
18:50.67 JILL GELLATLY USA 2017
18:57.82 JANE ANN HOAG ITA 2017
19:00.31 ELLEN REYNOLDS USA 2018
19:01.37 ENEY JONES USA 2010
19:03.05 NORMA CAHILL IRL 2015
19:08.69 LAURA VAL USA 2001
19:13.43 C.THIELEMANN GER 2018
19:13.59 JEANNE CARLSEN CAN 2010
50 M. BACK
32.02 MARIE FUZZATI FRA 2015
32.41 LESLIE LIVINGSTON USA 2013
32.50 ELLEN REYNOLDS USA 2014
32.87 J SWAGERTY-HILL USA 2002
32.88 FRANCA BOSISIO ITA 2018
33.01 S.ZHIGUNOVA RUS 2015
33.06 LISE LOTHE NOR 2017
33.25 FALL WILLEBOORDSE USA 2016
33.26 K.ANDRUS-HUGHES USA 2007
33.28 SUSAN WILLIAMS USA 2016
100 M. BACK
1:09.28 ELLEN REYNOLDS USA 2014
1:10.82 FALL WILLEBOORDSE USA 2016
1:11.00 MARIE FUZZATI FRA 2015
1:11.14 SILVIA PAROCCHI ITA 2017
1:11.78 K.PIPES-NEILSEN USA 2012
1:11.83 LISE RAVEN LOTHE NOR 2018
1:12.35 STEPHANIE STONE USA 2018
1:12.42 HELEN WHITFORD AUS 2017
1:12.69 ANETTE PHILIPSSON SWE 2015
1:13.55 K.ANDRUS-HUGHES USA 2008
200 M. BACK
2:26.64 ELLEN REYNOLDS USA 2014
2:32.68 SILVIA PAROCCHI ITA 2016
2:33.03 LYNN MARSHALL CAN 2011
2:34.09 STEPHANIE STONE USA 2018
2:35.55 K.PIPES-NEILSEN FRA 2012
2:36.08 HELEN WHITFORD AUS 2017
2:37.11 NAOKO SHIDE JPN 2010
2:37.54 LISE RAVEN LOTHE NOR 2018
2:38.56 JUDY BROWN GBR 2016
2:39.40 BONNIE BILICH USA 2009
50 M. BRST
34.18 MONICA CORO ITA 2012
35.42 JENNY WHITELEY AUS 2009
35.70 UTE HASSE ESP 2015
36.24 MARZENA KULIS ITA 2017
36.36 MARJA BLOEMZAAD NED 2011
36.40 JUDY GARAY CAN 2014
36.73 JAN CLARKSON AUS 2008
36.90 ALBENA POPOVA ITA 2012
36.99 MARIOLA KULIS POL 2016
37.02 ELKE SCHMITZ GER 2015
100 M. BRST
1:15.50 MONICA CORO ITA 2012
1:17.80 MARZENA KULIS ITA 2016
1:18.73 UTE HASSE ESP 2015
1:19.23 JENNY WHITELEY AUS 2009
1:21.29 JAN CLARKSON AUS 2008

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# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

1:21.50 HANA BOHUSLAVKOVA CZE 2018
1:21.62 LAURA MOLINARI ITA 2018
1:22.13 T.PROKOFIEVA RUS 2015
1:22.23 CORRIN POPPS USA 2014
1:22.49 CORRIN BUCK USA 2017

200 M. BRST

2:50.89 MARZENA KULIS ITA 2017
2:50.92 MONICA CORO ITA 2012
2:54.00 ELLEN REYNOLDS USA 2016
2:55.15 JENNY WHITELEY AUS 2008
2:57.39 H.MORRIS-EYTON RSA 2018
2:57.58 JAN CLARKSON AUS 2008
2:58.60 CORRIN POPPS USA 2014
2:58.67 CYNTHIA PINCOTT CAN 2012
2:58.79 CHIE MIYAMOTO JPN 2018
2:59.20 HANA BOHUSLAVKOVA CZE 2018

50 M. FLY

29.82 SUSAN WILLIAMS USA 2016
30.06 DANIELA DE PONTI ITA 2016
30.08 FRANCA BOSISIO ITA 2018
30.17 MARIOLA KULIS POL 2017
30.24 ANGELA ZINGLER GER 2004
30.29 ANETTE PHILIPSSON SWE 2015
30.29 LESLIE LIVINGSTON USA 2013
30.34 LISA DAHL USA 2012
30.39 EDITH OTTERMANN RSA 2017
30.48 NATALIYA MATVEEVA RUS 2015

100 M. FLY

1:07.80 JILL HERNANDEZ USA 2011
1:07.81 LAURA VAL USA 2001
1:08.22 DANIELA DE PONTI ITA 2016
1:08.47 FRANCA BOSISIO ITA 2018
1:09.07 SILVIA PAROCCHI ITA 2017
1:09.50 H.WILLEBOORDSE USA 2017
1:09.90 ANETTE PHILIPSSON SWE 2016
1:10.11 ANDREA BLOCK USA 2012
1:10.15 ELIZABETH WOOLNER GBR 2017
1:10.19 KARLYN PIPES USA 2014

200 M. FLY

2:31.55 LAURA VAL USA 2001
2:34.93 LYNN MARSHALL CAN 2011
2:35.95 FRANCA BOSISIO ITA 2018
2:36.40 MAITE GARCIA ESP 2015
2:36.81 S. PALMER-WHITE AUS 2015
2:37.91 S.REIBEL-OBERLE GER 2014
2:40.45 ANJA FRIEDRICH GER 2017
2:40.46 C.THIELEMANN GER 2018
2:40.57 JUDITH HATTLE GBR 2012
2:42.16 A.BIAGGI ECU 2012

200 M. I.M.

2:31.02 ELLEN REYNOLDS USA 2016
2:34.32 K.PIPES-NEILSEN FRA 2012
2:35.61 ANETTE PHILIPSSON SWE 2016
2:36.05 SUSAN PRESTON USA 2016
2:36.62 CECILIA STANFORD RSA 2011
2:36.78 DANIELA DEPONTI ITA 2016
2:36.97 JILL HERNANDEZ USA 2011
2:37.86 SILVIA PAROCCHI ITA 2017
2:37.90 JENNY WHITELEY AUS 2008
2:37.94 DANIELA DE PONTI ITA 2015

400 M. I.M.

5:20.68 ELLEN REYNOLDS USA 2014
5:30.32 JILL HERNANDEZ USA 2013
5:32.26 LYNN MARSHALL CAN 2011
5:32.41 K.PIPES-NEILSEN FRA 2012
5:36.45 S.REIBEL-OBERLE GER 2014
5:37.60 CECILLA STANFORD RSA 2011
5:38.02 HELEN WHITFORD AUS 2017
5:39.36 MARZENA KULIS ITA 2017
5:39.44 C.THIELEMANN GER 2018
5:40.27 NAOKO SHIDE JPN 2011

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WOMEN 55-59
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50 M. FREE

28.69 KARLYN PIPES USA 2017
28.69 LAURA VAL USA 2008
28.77 HOLLY GREEN BLAIR USA 2018
28.80 LESLIE LIVINGSTON USA 2016
29.00 SARAH MACDONALD CAN 2017
29.32 CAROLA KHOURI USA 2017
29.36 HEATHER CAMPBELL NZL 2008
29.37 DAWN COLEMAN GBR 2018
29.46 L.CASTRO NERI MEX 2017
29.46 PAT SARGEANT USA 2008

100 M. FREE

1:02.02 LAURA VAL USA 2008
1:02.70 JILL HERNANDEZ USA 2015
1:03.53 HOLLY GREEN BLAIR USA 2018
1:03.99 HEATHER CAMPBELL NZL 2008
1:04.48 CAROLA KHOURI USA 2017
1:04.89 M.CABELLO ESP 2017
1:05.02 SARAH MACDONALD CAN 2017
1:05.14 JENNY WHITELEY AUS 2014
1:05.27 R.PERROTT NZL 2017
1:05.28 BARBARA GELLRICH GER 2017
1:05.28 BETH LUTZ KNIGHT USA 2016

200 M. FREE

2:16.28 LAURA VAL USA 2009
2:16.89 JILL HERNANDEZ USA 2015
2:18.82 KARLYN PIPES USA 2017
2:19.07 LYNN MARSHALL CAN 2016
2:20.38 R.PERROTT NZL 2017
2:21.52 BARBARA GELLRICH GER 2016
2:22.19 M.CABELLO ESP 2017
2:22.27 KIM O'GRADY USA 2017
2:22.36 ASUNCION ZABALA ESP 2016
2:22.48 JENNY WHITELEY AUS 2013

400 M. FREE

4:43.41 LYNN MARSHALL CAN 2016
4:46.69 JILL HERNANDEZ USA 2015
4:50.13 LAURA VAL USA 2009
4:56.25 KARLYN PIPES USA 2017
4:56.44 KIM O'GRADY USA 2017
4:57.92 S.HEIM-BOWEN USA 2017
4:58.01 ROBYN CROTTY NZL 2017
4:58.25 R.PERROTT NZL 2017
4:59.94 K.PALACE USA 2016
5:00.64 MARGUERITE MEYER USA 2014

800 M. FREE

9:44.76 LYNN MARSHALL CAN 2017
9:46.56 JILL HERNANDEZ USA 2015
10:05.28 LAURA VAL USA 2008
10:14.55 JEANNE CARLSEN CAN 2013
10:16.44 KIM O'GRADY USA 2017
10:17.89 S.HEIM-BOWEN USA 2017
10:18.29 K.PALACE USA 2016
10:21.00 MARGUERITE MEYER USA 2014
10:23.24 BARBARA GELLRICH GER 2017
10:23.30 R.PERROTT NZL 2017

1500 M. FREE

18:46.00 LYNN MARSHALL CAN 2016
19:14.70 LAURA VAL USA 2007
19:25.91 S.HEIM-BOWEN USA 2016
19:27.15 KIM OGRADY USA 2016
19:29.84 K.PALACE USA 2016
19:30.77 JEANNE CARLSEN CAN 2013
19:50.81 ELLIE NAJJAR USA 2016
19:52.61 BARBARA DUNBAR USA 2004
19:54.59 ENEY JONES USA 2016
20:03.64 JENNY WHITELEY AUS 2013

50 M. BACK

31.99 HOLLY GREEN BLAIR USA 2018
32.36 KARLYN PIPES USA 2017
33.08 LESLIE LIVINGSTON USA 2016
33.75 LAURA VAL USA 2010
34.11 JULIE HOYLE GBR 2017
34.73 BONNIE BILICH USA 2016
34.91 CATHY SHEEHAN CAN 2015
35.02 K.ANDRUS-HUGHES USA 2012
35.13 BENEDICTE DUPREZ FRA 2006
35.35 CAROLINE KRATTLI USA 2017

100 M. BACK

1:11.23 KARLYN PIPES USA 2017
1:11.93 HOLLY GREEN BLAIR USA 2018
1:12.45 BONNIE BILICH USA 2017
1:14.41 LAURA VAL USA 2008
1:15.51 JULIE HOYLE GBR 2017
1:16.78 CATHY SHEEHAN CAN 2015
1:16.81 DENYSE SENECHAL CAN 2017
1:17.21 BENEDICTE DUPREZ FRA 2006
1:17.34 LYNN MARSHALL CAN 2016
1:17.51 B BARNETT-SALLEE USA 2002

200 M. BACK

2:37.77 KARLYN PIPES USA 2017
2:38.52 LYNN MARSHALL CAN 2016
2:40.84 BONNIE BILICH USA 2017
2:46.16 JULIE HOYLE GBR 2017
2:46.69 NAOKO SHIDE JPN 2015
2:46.85 KAZUMI MORI JPN 2016
2:47.21 PIERRETTE MICHEL BEL 2017
2:47.52 N.STEADMAN-MARTIN USA 2009
2:47.67 JACQUELINE GRACE GBR 2017
2:47.93 BRIGID BUNCH USA 2018

50 M. BRST

35.66 MONICA CORO ITA 2017
36.59 PIA THULSTRUP DEN 2017
36.75 UTE HASSE ESP 2018
37.04 JENNY WHITELEY AUS 2013
37.13 CAROLINE KRATTLI USA 2017
37.80 DAGMAR FRESE GER 2014
37.92 SARAH MACDONALD CAN 2017
38.05 SATOKO TOKITA JPN 2018
38.10 HOLLY VAUGHN USA 2017
38.24 ALISON NYE GBR 2012

100 M. BRST

1:19.90 MONICA CORO ITA 2017
1:20.82 PIA THULSTRUP DEN 2016
1:21.21 CAROLINE KRATTLI USA 2017
1:23.16 JENNY WHITELEY AUS 2013
1:23.56 UTE HASSE ESP 2018
1:24.78 DAGMAR FRESE GER 2014
1:25.07 SARAH MACDONALD CAN 2017
1:25.19 LO KNAPP USA 2009
1:25.23 COLETTE CRABBE BEL 2013
1:25.55 ALICIA BOSCATTO ARG 2016

200 M. BRST

2:58.83 MONICA CORO ITA 2017
3:01.66 CAROLINE KRATTLI USA 2017
3:01.70 PIA THULSTRUP DEN 2016
3:02.67 JENNY WHITELEY AUS 2013
3:04.04 ESTHER ISEPPI SUI 2013
3:04.32 LO KNAPP USA 2009
3:06.72 COLETTE CRABBE BEL 2014
3:07.00 AMANDA HEATH GBR 2012
3:07.28 KAREN MAREB USA 2014
3:07.76 AVILA RHODES CAN 2014

50 M. FLY

30.52 LESLIE LIVINGSTON USA 2016
30.59 HOLLY GREEN BLAIR USA 2018
30.97 TRACI GRANGER USA 2013
31.02 KARLYN PIPES USA 2017
31.42 LAURA VAL USA 2009
31.60 MARIA NORBERG SWE 2018
31.96 MARIA CABELLO ESP 2017

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32.02 M.CARMEN NAVARRO ESP 2016
32.07 HARUMI SUGINUMA JPN 2012
32.08 JENNY WHITELEY AUS 2013

100 M. FLY

1:09.47 LAURA VAL USA 2009
1:10.27 JILL HERNANDEZ USA 2015
1:10.46 ANDREA BLOCK USA 2016
1:11.85 KARLYN PIPES USA 2018
1:12.25 M.CARMEN NAVARRO ESP 2016
1:12.48 LYNN MARSHALL CAN 2017
1:12.50 TRACI GRANGER USA 2014
1:12.77 D.PEDACCHIOLA ITA 2018
1:12.84 COLETTE CRABBE BEL 2013
1:13.01 CECILIA STANFORD RSA 2016

200 M. FLY

2:37.61 LYNN MARSHALL CAN 2018
2:41.51 LAURA VAL USA 2007
2:43.26 D.PEDACCHIOLA ITA 2018
2:44.16 N.STEADMAN-MARTIN USA 2009
2:44.22 ROBYN CROTTY NZL 2017
2:47.73 JUDITH HATTLE GBR 2017
2:48.14 I.KURTEN-SCHWABE GER 2014
2:49.31 ARLENE DELMAGE USA 2017
2:50.39 JENNY WHITELEY AUS 2016
2:51.48 L.NAGOVITSYNA RUS 2015

200 M. I.M.

2:38.74 JILL HERNANDEZ USA 2015
2:39.78 KARLYN PIPES USA 2017
2:39.96 LYNN MARSHALL CAN 2016
2:42.29 CECILIA STANFORD RSA 2016
2:43.43 JENNY WHITELEY AUS 2014
2:43.45 LAURA VAL USA 2008
2:44.01 COLETTE CRABBE BEL 2013
2:45.18 ROBYN CROTTY NZL 2017
2:45.65 PIERRETTE MICHEL BEL 2017
2:46.47 BARBARA GELLRICH GER 2017

400 M. I.M.

5:40.33 LYNN MARSHALL CAN 2016
5:49.40 LAURA VAL USA 2009
5:51.88 CECILIA STANFORD RSA 2016
5:53.27 COLETTE CRABBE USA 2013
5:53.54 BONNIE SPIVEY USA 2013
5:54.99 PIERRETTE MICHEL BEL 2017
5:55.18 NAOKO SHIDE JPN 2015
5:57.34 ROBYN CROTTY NZL 2017
5:58.55 N.STEADMAN-MARTIN USA 2009
6:01.36 K.PALACE USA 2016

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WOMEN 60-64

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50 M. FREE

28.90 JENNY WHITELEY AUS 2018
29.21 PENNY NOYES USA 2018
29.31 LAURA VAL USA 2011
30.11 CHARLOTTE DAVIS USA 2012
30.16 TRACI GRANGER USA 2018
30.19 SANDERINA KRUGER RSA 2011
30.42 LYNETTE STEVENSON AUS 2009
30.44 A.PIJTAK-RADERSMA NED 2016
30.47 LINDSEY GOWLAND GBR 2017
30.55 JACKI HIRSTY USA 2014
30.55 ROSARIO VIVANCO PER 2009

100 M. FREE

1:03.83 LAURA VAL USA 2011
1:06.30 PENNY NOYES USA 2017
1:06.41 VERONICA HIBBEN USA 2017
1:06.63 SANDERINA KRUGER RSA 2009
1:07.33 CHARLOTTE DAVIS USA 2010
1:07.46 LYNN MORRISON USA 2014
1:07.62 JENNY WHITELEY AUS 2018
1:08.08 ROSARIO VIVANCO PER 2009
1:08.20 A.PIJTAK-RADERSMA NED 2017
1:08.39 K.ANDRUS-HUGHES USA 2017

200 M. FREE

2:21.48 LAURA VAL USA 2012
2:28.08 SUSAN RITTER USA 2017
2:28.34 BONNIE BILICH USA 2018
2:28.60 VERONICA HIBBEN USA 2016
2:29.54 SANDERINA KRUGER RSA 2010
2:29.86 DIANE COETZEE RSA 2016
2:30.96 JACKI HIRSTY USA 2014
2:31.50 ROSARIO VIVANCO PER 2009
2:31.61 COLETTE CRABBE BEL 2016
2:31.84 TRACY GRILLI USA 2017

400 M. FREE

4:59.82 LAURA VAL USA 2012
5:11.15 SUSAN RITTER USA 2017
5:18.24 JACKI HIRSTY USA 2014
5:18.31 JENNY WHITELEY AUS 2018
5:19.40 JOAN EDWARDS GBR 2018
5:19.86 DIANE COETZEE RSA 2015
5:21.02 LO KNAPP USA 2014
5:21.79 B.BARNETT-SALLEE USA 2006
5:22.20 LAURA VACA MEX 2015
5:22.60 C.TARANTINO ITA 2015

800 M. FREE

10:27.71 LAURA VAL USA 2011
10:43.17 JENNY WHITELEY AUS 2018
10:46.10 SUSAN RITTER USA 2018
10:57.17 LAURA VACA MEX 2014
10:58.35 C.TARANTINO ITA 2016
11:01.73 JOAN EDWARDS GBR 2018
11:02.30 CHRISTIE CIRAULO USA 2015
11:03.49 CHARLENE O'BRIEN USA 2016
11:03.87 N.MARTIN USA 2014
11:04.77 DIANE COETZEE RSA 2016

1500 M. FREE

19:52.85 LAURA VAL USA 2011
20:02.91 JENNY WHITELEY AUS 2018
20:52.70 CHRISTIE CIRAULO USA 2015
20:59.26 SUSAN RITTER USA 2018
21:01.19 S.LOFTUS-CHARLEY USA 2013
21:09.44 LAURA VACA MEX 2015
21:15.37 BONNIE SPIVEY USA 2018
21:16.05 BARBARA DUNBAR USA 2009
21:21.40 C.TARANTINO ITA 2016
21:23.48 LAURIE SAMUELSON USA 2015

50 M. BACK

33.86 LAURA VAL USA 2015
34.74 BONNIE BILICH USA 2018
34.99 PENNY NOYES USA 2018
35.14 K.ANDRUS-HUGHES USA 2017
35.63 LEIGH RODGERS AUS 2016
35.79 B.BARNETT-SALLEE USA 2006
35.82 J.SWAGERTY-HILL USA 2014
36.07 CARLA YOUNG CAN 2014
36.38 JANET MCDONOUGH USA 2018
36.42 DIANE COETZEE RSA 2016

100 M. BACK

1:14.50 BONNIE BILICH USA 2018
1:14.76 LAURA VAL USA 2015
1:17.34 LEIGH RODGERS AUS 2015
1:17.40 PENNY NOYES USA 2018
1:17.53 K.ANDRUS-HUGHES USA 2017
1:17.81 M.RIPLEY USA 2016
1:18.00 JOAN PFINSGRAFF USA 2018
1:18.91 B.BARNETT-SALLEE USA 2006
1:19.41 DIANE COETZEE RSA 2016
1:20.34 COLETTE CRABBE BEL 2016

200 M. BACK

2:42.42 BONNIE BILICH USA 2018
2:44.38 LAURA VAL USA 2013
2:48.38 JOAN PFINSGRAFF USA 2018
2:49.60 M.RIPLEY USA 2016
2:50.16 B.BARNETT-SALLEE USA 2006
2:51.24 LEIGH RODGERS AUS 2016
2:52.05 DIANE COETZEE RSA 2015
2:52.90 COLETTE CRABBE BEL 2016
2:53.19 BONNIE SPIVEY USA 2018
2:54.25 JANET MCDONOUGH USA 2018

50 M. BRST

37.79 DAGMAR FRESE GER 2016
37.83 JENNY WHITELEY AUS 2018
38.48 MONIKA SENFTLEBEN GER 2002
39.02 BETH ESTEL USA 2016
39.16 BONNIE PRONK CAN 2002
39.19 MELINDA MANN USA 2017
39.25 JAN WICKS AUS 2006
39.74 AVILA RHODES CAN 2016
40.11 REGULA STEIGER SUI 2013
40.19 COLETTE CRABBE BEL 2018

100 M. BRST

1:23.37 JENNY WHITELEY AUS 2018
1:25.82 DAGMAR FRESE GER 2016
1:27.08 AVILA RHODES CAN 2016
1:27.24 BETH ESTEL USA 2016
1:27.64 BONNIE PRONK CAN 2002
1:27.95 LO KNAPP USA 2014
1:28.19 COLETTE CRABBE BEL 2016
1:28.77 MELINDA MANN USA 2017
1:29.39 BONNIE BILICH USA 2018
1:29.53 IRINA SHANGINA RUS 2015

200 M. BRST

3:04.15 JENNY WHITELEY AUS 2018
3:08.07 LO KNAPP USA 2014
3:13.11 AVILA RHODES CAN 2016
3:13.31 COLETTE CRABBE USA 2018
3:14.04 AMANDA HEATH GBR 2017
3:14.49 BONNIE PRONK CAN 2002
3:15.64 JANETTE JEFFREY AUS 2012
3:15.66 DAGMAR FRESE GER 2016
3:15.72 KEIKO UTSUMI JPN 2018
3:16.08 HANNELORE ROSE GER 2003

50 M. FLY

31.27 TRACI GRANGER USA 2018
32.27 LAURA VAL USA 2012
32.28 LEIGH RODGERS AUS 2016
32.57 PENNY NOYES USA 2017
32.57 CHARLOTTE DAVIS USA 2012
33.24 VERONICA HIBBEN USA 2016
33.31 LYLE KILDEA AUS 2018
33.43 ANGELA ZINGLER GER 2014
33.44 HARUMI SUGINUMA JPN 2017
33.46 MELINDA MANN USA 2017

100 M. FLY

1:12.06 LAURA VAL USA 2011
1:13.51 TRACI GRANGER USA 2018
1:14.31 LEIGH RODGERS AUS 2016
1:15.33 COLETTE CRABBE BEL 2016
1:16.75 MELINDA MANN USA 2017
1:17.34 JUDY WILSON GBR 2004
1:18.42 HARUMI SUGINUMA JPN 2017
1:18.61 LAURA VACA MEX 2014
1:18.83 CHARLOTTE DAVIS USA 2012
1:19.75 CHARLENE O'BRIEN USA 2016

200 M. FLY

2:41.03 LAURA VAL USA 2011
2:52.77 TRACI GRANGER USA 2018
2:54.50 COLETTE CRABBE BEL 2016
2:54.79 LAURIE ALIOTO USA 2018
2:58.64 LAURA VACA MEX 2014
3:01.50 N.MARTIN USA 2014
3:05.07 BARBARA DUNBAR USA 2009
3:07.36 ELAINE VALDEZ USA 2016
3:08.77 SALLY MILLS GBR 2018

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3:09.96 ANDRA JAUNZEME USA 2015

200 M. I.M.

2:47.99 LAURA VAL USA 2013
2:48.28 COLETTE CRABBE BEL 2016
2:51.28 BONNIE BILICH USA 2018
2:52.67 CHARLOTTE DAVIS USA 2010
2:52.77 LEIGH RODGERS AUS 2016
2:54.04 PENNY NOYES USA 2018
2:57.11 JANET MCDONOUGH USA 2018
2:57.92 SUSANNA SORDELLI ITA 2016
2:58.08 BRIGITTE MERTEN GER 2006
2:58.48 BETH ESTEL USA 2016

400 M. I.M.

5:56.27 LAURA VAL USA 2011
5:56.40 COLETTE CRABBE USA 2016
6:06.35 BONNIE SPIVEY USA 2018
6:08.99 CHARLOTTE DAVIS USA 2010
6:18.55 LAURA VACA MEX 2015
6:19.16 SUSANNA SORDELLI ITA 2016
6:22.61 BRIGITTE MERTEN GER 2006
6:24.05 N.MARTIN USA 2014
6:25.44 LAURIE ALIOTO USA 2018
6:26.86 S.LOFTUS-CHARLEY USA 2013

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WOMEN 65-69

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50 M. FREE

29.17 LAURA VAL USA 2018
30.72 SANDERINA KRUGER RSA 2015
30.76 JACKI HIRSTY USA 2017
30.85 CHARLOTTE DAVIS USA 2016
31.83 CAROLE SMITH ITA 2018
31.84 CAROLYN BOAK USA 2010
31.99 CONNY BOER-BUYS NED 2016
32.07 JANETTE JEFFREY AUS 2015
32.33 C.MCKELVEY USA 2018
32.42 REGULA STEIGER SUI 2017

100 M. FREE

1:04.89 LAURA VAL USA 2018
1:07.88 CHARLOTTE DAVIS USA 2016
1:09.23 SANDERINA KRUGER RSA 2015
1:09.61 JACKI HIRSTY USA 2017
1:12.00 CHRISTEL SCHULZ GER 2005
1:12.10 CAROLYN BOAK USA 2010
1:12.23 CATHY MERRITT CAN 2017
1:12.28 CONNY BOER-BUYS NED 2016
1:13.05 YOSHIKO OSAKI JPN 2004
1:13.42 F.WILLIAMSON USA 2013

200 M. FREE

2:25.29 LAURA VAL USA 2016
2:33.88 JACKI HIRSTY USA 2017
2:35.36 CHARLOTTE DAVIS USA 2015
2:37.26 DOT MUNGER USA 2016
2:37.63 SANDERINA KRUGER RSA 2015
2:39.05 CAROLYN BOAK USA 2010
2:39.74 CATHY MERRITT CAN 2017
2:42.26 CHRISTEL SCHULZ GER 2008
2:42.50 CONNY BOER-BUYS NED 2016
2:42.57 DANIELLE OGIER USA 2017

400 M. FREE

5:18.04 LAURA VAL USA 2018
5:27.73 DOT MUNGER USA 2016
5:27.79 CHARLOTTE DAVIS USA 2015
5:28.07 JACKI HIRSTY USA 2017
5:39.19 LAURA VACA MEX 2018
5:42.29 CHRISTIE CIRAULO USA 2018
5:43.10 JEN THOMASSON AUS 2008
5:45.43 CELESTE MILLER USA 2015
5:45.99 CHERYL MURRAY USA 2017
5:46.27 YOSHIKO OSAKI JPN 2003

800 M. FREE

10:49.60 LAURA VAL USA 2017
11:18.25 DOT MUNGER USA 2016
11:24.63 LAURA VACA MEX 2018
11:31.53 CHARLOTTE DAVIS USA 2015
11:42.44 CHERYL MURRAY USA 2017
11:48.60 CELESTE MILLER USA 2015
11:52.87 BARBARA DUNBAR USA 2014
11:53.17 JEN THOMASSON AUS 2008
11:53.88 INEKE WEEKERS NED 2018
11:55.93 JACKIE MARR USA 2008

1500 M. FREE

21:00.15 LAURA VAL USA 2016
22:19.43 S.LOFTUS-CHARLEY USA 2017
22:28.69 BARBARA DUNBAR USA 2014
22:40.65 JEN THOMASSON AUS 2008
22:49.36 CATHERINE RUST USA 2018
23:00.95 CONNY BOER-BUYS NED 2016
23:04.00 CHERYL MURRAY USA 2018
23:05.87 SUSAN HAIGH GBR 2017
23:06.56 HEIDI ERNST USA 2017
23:07.49 JACKIE MARR USA 2008

50 M. BACK

33.59 LAURA VAL USA 2018
35.39 CECILIA MCCLOSKEY USA 2017
37.11 MARGIT OHLSSON SWE 2011
37.38 CLARY MUNNS AUS 2009
37.44 DIANN UUSTAL USA 2011
37.54 SATOKO TAKEUJI JPN 2009
37.59 JEANNIE JOHNSON AUS 2013
38.17 SILVANA ABREU BRA 2006
38.51 BENEDICTE DUPREZ FRA 2017
38.85 PAM HUTCHINGS AUS 2002

100 M. BACK

1:14.49 LAURA VAL USA 2018
1:18.63 CECILIA MCCLOSKEY USA 2018
1:21.81 MARGIT OHLSSON SWE 2010
1:22.30 DIANN UUSTAL USA 2011
1:23.61 CLARY MUNNS AUS 2009
1:24.41 BENEDICTE DUPREZ FRA 2017
1:24.67 SATOKO TAKEUJI JPN 2007
1:25.86 MARIA BALLA HUN 2009
1:26.29 ANDRA JAUNZEME USA 2018
1:26.39 E.KETELSEN DEN 2010

200 M. BACK

2:49.39 LAURA VAL USA 2016
2:54.48 CECILIA MCCLOSKEY USA 2018
3:00.24 MARGIT OHLSSON SWE 2011
3:00.75 DIANN UUSTAL USA 2013
3:05.32 BENEDICTE DUPREZ FRA 2017
3:06.31 JOAN CRAFFEY USA 2018
3:06.41 BONNIE PRONK CAN 2008
3:08.20 SATOKO TAKEUJI JPN 2007
3:10.02 TAKAKO NAKAMORI JPN 2014
3:10.55 MARIA BALLA HUN 2009

50 M. BRST

40.51 GIURGIZA GABRILO CRO 2012
41.41 JANETTE JEFFREY AUS 2016
41.49 CAROLE SMITH ITA 2018
41.52 MONIKA SENFTLEBEN GER 2009
41.57 REGULA STEIGER SUI 2018
41.69 BONNIE PRONK CAN 2007
41.93 DOT MUNGER USA 2016
42.08 CHARLOTTE DAVIS USA 2018
42.33 DURDICA GABRILO CRO 2016
42.59 KEIKO IKEDA JPN 2018

100 M. BRST

1:30.16 GIURGIZA GABRILO CRO 2012
1:32.66 JANETTE JEFFREY AUS 2015
1:33.23 NOBUKO YASUDA JPN 2010
1:33.32 CHARLOTTE DAVIS USA 2018
1:33.69 DIANE FORD GBR 2008
1:34.53 DOT MUNGER USA 2016
1:34.53 BONNIE PRONK CAN 2008
1:34.67 DURDICA GABRILO CRO 2016
1:34.87 JENNIFER MERRITT GBR 2016
1:35.34 HANNELORE ROSE GER 2007

200 M. BRST

3:19.76 JANETTE JEFFREY AUS 2016
3:23.63 JENNIFER MERRITT GBR 2016
3:24.25 GIURGIZA GABRILO CRO 2012
3:24.79 NOBUKO YASUDA JPN 2010
3:26.88 HANNELORE ROSE GER 2007
3:26.98 JOANN LEILICH USA 2005
3:27.24 DIANE FORD GBR 2008
3:27.58 INEKE WEEKERS NED 2018
3:27.71 LUISE KNOPFLE GER 2004
3:28.43 MASAYO AZUMA JPN 2001

50 M. FLY

33.34 LAURA VAL USA 2018
33.66 CHARLOTTE DAVIS USA 2016
34.09 DIANN UUSTAL USA 2014
34.23 CECILIA MCCLOSKEY USA 2017
35.63 SUMIKO KOBAYASHI JPN 2015
35.77 CHRISTEL SCHULZ GER 2006
35.90 REGULA STEIGER SUI 2018
36.03 RUTH SHAPS USA 2012
36.14 YOSHIKO KADOSAKA JPN 2014
36.41 JACKI HIRSTY USA 2017

100 M. FLY

1:13.70 LAURA VAL USA 2016
1:20.09 CHARLOTTE DAVIS USA 2015
1:20.90 CECILIA MCCLOSKEY USA 2016
1:22.45 LAURA VACA MEX 2018
1:23.73 ANDRA JAUNZEME USA 2018
1:26.13 BRIGITTE MERTEN GER 2013
1:26.17 CAROLYN BOAK USA 2010
1:27.73 YOSHIKO OSAKI JPN 2003
1:28.62 KIRA MAKAROVA RUS 2012
1:29.47 MIRA GUGLIELMI ITA 2017
1:29.47 CLARY MUNNS AUS 2009

200 M. FLY

3:06.83 LAURA VACA MEX 2018
3:09.32 ANDRA JAUNZEME USA 2018
3:17.58 S.LOFTUS-CHARLEY USA 2017
3:21.42 CAROLYN BOAK USA 2010
3:24.65 M.NEUMEISTER GER 2017
3:28.48 KIRA MAKAROVA RUS 2013
3:28.64 CHERYL MURRAY USA 2017
3:29.29 MIRA GUGLIELMI ITA 2017
3:29.68 DANIELA BARNEA USA 2009
3:29.68 HANNELORE ROSE GER 2007

200 M. I.M.

2:54.16 LAURA VAL USA 2016
2:54.74 CHARLOTTE DAVIS USA 2016
2:56.87 CECILIA MCCLOSKEY USA 2016
3:04.17 CATHY MERRITT CAN 2017
3:04.35 ANDRA JAUNZEME USA 2018
3:05.32 BRIGITTE MERTEN GER 2011
3:06.10 CAROLYN BOAK USA 2010
3:07.49 LAURA VACA MEX 2018
3:07.68 KIRA MAKAROVA RUS 2013
3:08.32 KATHLEEN LEWIS USA 2017

400 M. I.M.

6:27.15 LAURA VACA MEX 2018
6:28.60 CHARLOTTE DAVIS USA 2016
6:36.27 ANDRA JAUNZEME USA 2018
6:37.45 CAROLYN BOAK USA 2010
6:40.57 CECILIA MCCLOSKEY USA 2018
6:46.46 YOSHIKO OSAKI JPN 2005
6:50.17 BRIGITTE MERTEN GER 2012
6:53.76 S.LOFTUS-CHARLEY USA 2017
6:54.15 MIRA GUGLIELMI ITA 2017
6:54.46 JACKIE MARR USA 2008

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WOMEN 70-74
**********

50 M. FREE
32.89 MARGARET TOPPEL USA 2018
33.02 DIANN UUSTAL USA 2017
33.57 CHRISTEL SCHULZ GER 2010
33.61 YOSHIKO OSAKI JPN 2009
33.95 REBECCA KAY USA 2016
34.13 BITTE AXLING SWE 2016
34.39 IKUKO OKADO JPN 2013
34.43 F.WILLIAMSON USA 2018
34.45 RUTH SHAPS USA 2017
34.64 JANE ASHER GBR 2004

100 M. FREE
1:14.28 YOSHIKO OSAKI JPN 2009
1:15.01 CHRISTEL SCHULZ GER 2010
1:15.30 DIANN UUSTAL USA 2017
1:16.87 BRIGITTE MERTEN GER 2017
1:17.44 F.WILLIAMSON USA 2018
1:17.94 JANE ASHER GBR 2004
1:17.96 RUTH SHAPS USA 2017
1:18.18 MADELEINE SEVIGNY CAN 2017
1:18.19 JEN THOMASSON AUS 2013
1:18.60 CLARY MUNNS AUS 2017

200 M. FREE
2:46.63 DIANN UUSTAL USA 2016
2:48.03 CHRISTEL SCHULZ GER 2010
2:49.80 YOSHIKO OSAKI JPN 2008
2:50.21 CAROLYN BOAK USA 2018
2:50.27 JANE ASHER GBR 2002
2:52.42 JEN THOMASSON AUS 2014
2:53.71 F.WILLIAMSON USA 2018
2:54.63 BRIGITTE MERTEN GER 2016
2:54.96 NOBUKO SATA JPN 2018
2:55.91 RUTH SHAPS USA 2017

400 M. FREE
5:54.97 YOSHIKO OSAKI JPN 2008
5:59.00 JEN THOMASSON AUS 2013
6:05.25 JANE ASHER GBR 2004
6:06.16 CAROLYN BOAK USA 2018
6:11.92 LAVELLE STOINOFF USA 2003
6:15.85 JULIE GUNTHORP NZL 2017
6:17.00 MARCIA BARRY USA 2018
6:17.22 RUTH SHAPS USA 2017
6:18.73 BRIGITTE MERTEN GER 2016
6:19.32 F.WILLIAMSON USA 2018

800 M. FREE
12:13.07 YOSHIKO OSAKI JPN 2009
12:15.81 JEN THOMASSON AUS 2014
12:32.21 JANE ASHER GBR 2002
12:35.14 LAVELLE STOINOFF USA 2004
12:36.63 CAROLYN BOAK USA 2016
12:50.38 JULIE GUNTHORP NZL 2017
12:52.66 MARCIA BARRY USA 2018
12:59.41 HELGA REICH GER 2006
13:04.35 ROSA MONTAGUE AUS 2017
13:10.11 RUTH SHAPS USA 2018

1500 M. FREE
23:49.60 JEN THOMASSON AUS 2016
24:06.48 JANE ASHER GBR 2001
24:14.23 MARCIA BARRY USA 2018
24:24.13 LAVELLE STOINOFF USA 2003
24:49.53 YOSHIKO OSAKI JPN 2011
25:01.08 RUTH SHAPS USA 2018
25:04.94 BARBARA FENTIMAN AUS 2004
25:21.24 REIKO ISHIZAKI JPN 2009
25:25.26 JUNE KRAUSER USA 1997
25:35.61 JULIE GUNTHORP NZL 2018

50 M. BACK
38.69 MARGIT OHLSSON SWE 2015
39.05 CLARY MUNNS AUS 2017
39.11 DIANN UUSTAL USA 2017
39.67 SATOKO TAKEUJI JPN 2012
40.20 YOKO NAKAMURA JPN 2018
40.60 E.KETELSEN DEN 2013
40.84 PAM HUTCHINGS AUS 2008
41.37 HIROMI SATO JPN 2012
41.38 YOSHIKO OSAKI JPN 2009
41.65 JULIE GUNTHORP NZL 2018

100 M. BACK
1:25.20 MARGIT OHLSSON SWE 2015
1:25.54 DIANN UUSTAL USA 2017
1:26.15 SATOKO TAKEUJI JPN 2012
1:27.07 JULIE GUNTHORP NZL 2017
1:28.60 CLARY MUNNS AUS 2015
1:29.63 E.KETELSEN DEN 2016
1:32.02 CHRISTEL SCHULZ GER 2010
1:32.14 NORIKO YOSHIDA JPN 2014
1:32.51 YOSHIKO OSAKI JPN 2009
1:32.68 JOY WARD USA 2012

200 M. BACK
3:06.24 MARGIT OHLSSON SWE 2015
3:11.54 SATOKO TAKEUJI JPN 2012
3:11.78 JULIE GUNTHORP NZL 2017
3:14.31 CLARY MUNNS AUS 2016
3:14.66 DIANN UUSTAL USA 2017
3:16.54 NORIKO YOSHIDA JPN 2014
3:16.64 E.KETELSEN DEN 2013
3:18.02 JOY WARD USA 2012
3:21.23 CHRISTEL SCHULZ GER 2010
3:22.49 V.JOHANSSON SWE 2005

50 M. BRST
42.80 MONIKA SENFTLEBEN GER 2012
42.98 KAYAKO HIROSE JPN 2017
43.19 DANA BROWN USA 2018
43.45 SHOKO YONEZAWA JPN 2005
43.98 EDITH BOEHM GER 1999
44.01 ANNEROSE TROBISCH GER 2018
44.77 DIANE FORD GBR 2013
44.92 NOBUKO YASUDA JPN 2015
45.13 MARGOT PETTIJOHN USA 2016
45.53 ELIANE PELLIS BEL 2004

100 M. BRST
1:35.93 NOBUKO YASUDA JPN 2016
1:37.39 DIANE FORD GBR 2013
1:37.72 SHOKO YONEZAWA JPN 2007
1:38.78 JOANN LEILICH USA 2009
1:39.14 DANA BROWN USA 2018
1:39.15 MASAYO AZUMA JPN 2005
1:39.29 KAYAKO HIROSE JPN 2017
1:40.78 MARGOT PETTIJOHN USA 2016
1:41.04 ELIANE PELLIS BEL 2004
1:41.31 LUISE KNOPFLE GER 2012

200 M. BRST
3:29.25 NOBUKO YASUDA JPN 2017
3:30.66 DIANE FORD GBR 2013
3:34.32 SHOKO YONEZAWA JPN 2005
3:34.49 JOANN LEILICH USA 2011
3:36.45 LUISE KNOPFLE GER 2009
3:38.05 MASAYO AZUMA JPN 2006
3:38.89 TAMAE FURUYA JPN 2015
3:39.39 KAYAKO HIROSE JPN 2017
3:42.79 TAYO FUJIEDA JPN 2009
3:43.45 DANA BROWN USA 2018

50 M. FLY
35.02 DIANN UUSTAL USA 2017
36.36 JUDY WILSON GBR 2014
37.36 MARGARET TOPPEL USA 2018
37.93 CHRISTEL SCHULZ GER 2010
38.27 BRIGITTE MERTEN GER 2016
38.65 HARUMI SUGIMOTO JPN 2008
39.30 YOSHIKO OSAKI JPN 2008
39.56 KIRA MAKAROVA RUS 2018
39.65 BITTE AXLING SWE 2016
39.77 JANE ASHER GBR 2002

100 M. FLY
1:24.55 JUDY WILSON GBR 2014
1:28.99 BRIGITTE MERTEN GER 2016
1:31.87 KIRA MAKAROVA RUS 2018
1:34.51 YOSHIKO OSAKI JPN 2008
1:35.09 MARGOT PETTIJOHN USA 2016
1:35.24 CAROLYN BOAK USA 2018
1:37.98 DANA BROWN USA 2018
1:39.11 CLARY MUNNS AUS 2014
1:40.85 JUNE KRAUSER USA 1996
1:40.90 HELGA REICH GER 2007

200 M. FLY
3:35.36 CLARY MUNNS AUS 2016
3:37.41 MARGOT PETTIJOHN USA 2016
3:39.91 JUNE KRAUSER USA 1996
3:40.14 JUDY WILSON GBR 2014
3:41.10 CAROLYN BOAK USA 2016
3:44.93 HELGA REICH GER 2007
3:47.65 DANIELA BARNEA USA 2014
3:52.01 SILVIA NEUHAUSER AUT 2001
3:54.39 JANE ASHER GBR 2001
3:57.53 SEIKO HASEBE JPN 2016

200 M. I.M.
3:10.64 BRIGITTE MERTEN GER 2016
3:13.19 YOSHIKO OSAKI JPN 2008
3:14.07 CHRISTEL SCHULZ GER 2010
3:16.45 MARGIT OHLSSON SWE 2015
3:16.65 KIRA MAKAROVA RUS 2018
3:17.78 CLARY MUNNS AUS 2017
3:20.72 MARGOT PETTIJOHN USA 2016
3:23.76 DIANN UUSTAL USA 2017
3:26.41 JANE ASHER GBR 2002
3:27.49 NOBUKO YASUDA JPN 2015

400 M. I.M.
6:54.30 BRIGITTE MERTEN GER 2016
6:54.93 YOSHIKO OSAKI JPN 2008
7:04.83 CLARY MUNNS AUS 2016
7:16.18 MARGOT PETTIJOHN USA 2016
7:25.26 JANE ASHER GBR 2001
7:28.70 CAROLYN BOAK USA 2016
7:30.66 JULIE GUNTHORP NZL 2017
7:30.91 JUNE KRAUSER USA 1996
7:32.26 DANIELA BARNEA USA 2014
7:35.30 HELGA REICH GER 2006

**********
WOMEN 75-79
**********

50 M. FREE
34.85 JANE ASHER GBR 2006
35.48 CHRISTEL SCHULZ GER 2015
35.85 MADELINE LANTHIER CAN 2018
35.90 YOSHIKO OSAKI JPN 2013
36.15 IKUKO OKADO JPN 2018
36.42 CLAIRE O'DWYER IRL 2016
36.63 JEN THOMASSON AUS 2018
36.87 GAIL ROPER USA 2005
37.48 JEAN TROY USA 2002
37.74 TOSHIE NODA JPN 2017
37.74 MASAKO KOHA JPN 2015

100 M. FREE
1:19.71 YOSHIKO OSAKI JPN 2014
1:20.10 CHRISTEL SCHULZ GER 2015
1:20.15 JANE ASHER GBR 2006
1:23.58 MADELINE LANTHIER CAN 2018
1:24.31 JEN THOMASSON AUS 2018
1:25.59 E.KETELSEN DEN 2018
1:26.34 SUSAN LEUNER RSA 2014
1:26.36 GAIL ROPER USA 2005
1:27.20 JILL COMPLIN GBR 2015

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# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

1:28.07 JEAN TROY USA 2002
200 M. FREE
2:54.26 YOSHIKO OSAKI JPN 2013
2:56.57 JANE ASHER GBR 2008
3:00.89 CHRISTEL SCHULZ GER 2015
3:05.39 JEN THOMASSON AUS 2018
3:11.83 MARIA PENNA BRA 2014
3:12.74 JILL COMPLIN GBR 2016
3:12.84 SUSAN LEUNER RSA 2014
3:13.18 MADELINE LANTHIER CAN 2018
3:13.22 PIROSKA WEIDINGER HUN 2017
3:13.24 GAIL ROPER USA 2005
400 M. FREE
6:12.25 YOSHIKO OSAKI JPN 2013
6:13.20 JANE ASHER GBR 2006
6:29.37 CHRISTEL SCHULZ GER 2015
6:43.02 REIKO ISHIZAKI JPN 2013
6:45.13 JILL COMPLIN GBR 2016
6:46.48 HELGA REICH GER 2012
6:48.11 MARIA PENNA BRA 2014
6:50.41 SUSAN LEUNER RSA 2014
6:50.97 DENISE ROBERTSON AUS 2010
6:54.66 PIROSKA WEIDINGER HUN 2017
800 M. FREE
12:58.94 JANE ASHER GBR 2006
13:34.69 YOSHIKO OSAKI JPN 2014
13:57.01 MARIA PENNA BRA 2014
13:58.35 HELGA REICH GER 2012
13:58.84 JILL COMPLIN GBR 2015
14:05.80 DENISE ROBERTSON AUS 2011
14:08.52 E.KETELSEN DEN 2018
14:08.97 JAN CROFT AUS 2018
14:10.50 JUNE KRAUSER USA 2001
14:16.12 SUSAN LEUNER RSA 2014
1500 M. FREE
24:41.76 JANE ASHER GBR 2006
26:41.71 REIKO ISHIZAKI JPN 2013
26:58.65 DENISE ROBERTSON AUS 2013
27:09.75 JEAN TROY USA 2003
27:19.77 ANNE WILLIAMS USA 2013
27:28.06 MARIA PENNA BRA 2015
27:37.02 SARAH KOPSKY USA 2016
27:40.67 JUNE KRAUSER USA 2001
27:41.38 JANE OBERG USA 2012
27:43.98 MICHIKO OKUMURA JPN 2006
50 M. BACK
40.56 SATOKO TAKEUJI JPN 2017
42.06 SHOKO YONEZAWA JPN 2010
42.72 E.KETELSEN DEN 2018
42.87 HIROMI SATO JPN 2017
43.16 PAM HUTCHINGS AUS 2011
43.93 JANE ASHER GBR 2006
43.94 YOSHIKO OSAKI JPN 2014
44.43 DORIS STEADMAN USA 1999
44.54 CHRISTEL SCHULZ GER 2015
44.57 MARGARET WILDING GBR 2016
100 M. BACK
1:31.79 SATOKO TAKEUJI JPN 2017
1:33.47 E.KETELSEN DEN 2018
1:35.14 CHRISTEL SCHULZ GER 2015
1:37.20 NORIKO YOSHIDA JPN 2018
1:37.81 YOSHIKO OSAKI JPN 2015
1:38.62 JANE ASHER GBR 2006
1:38.78 DORIS STEADMAN USA 2000
1:39.02 SHOKO YONEZAWA JPN 2010
1:41.22 PAM HUTCHINGS AUS 2011
1:41.44 GRETHE BENDTSEN DEN 2006
200 M. BACK
3:23.72 E.KETELSEN DEN 2018
3:25.49 NORIKO YOSHIDA JPN 2018
3:27.59 SATOKO TAKEUJI JPN 2017
3:28.18 CHRISTEL SCHULZ GER 2016
3:31.81 YOSHIKO OSAKI JPN 2015
3:34.35 JANE ASHER GBR 2006
3:37.48 DORIS STEADMAN USA 2000
3:38.95 KAZUKO ITO JPN 2017
3:40.21 GRETHE BENDTSEN DEN 2006
3:43.28 CHRIS GILLIGAN USA 2018
50 M. BRST
43.95 SHOKO YONEZAWA JPN 2010
46.69 ELIANE PELLIS BEL 2009
47.10 JOANN LEILICH USA 2014
47.12 DIANE FORD GBR 2018
47.59 EDITH BOHM GER 2003
47.76 KUMIE TOKUDA JPN 2012
47.77 GISELA GRUNER GER 2012
47.84 LUISE KNOPFLE GER 2014
47.89 A.VAN OBBERGHEN BEL 2009
48.41 KIYOKO YONEDA JPN 2017
100 M. BRST
1:38.81 SHOKO YONEZAWA JPN 2010
1:42.18 JOANN LEILICH USA 2014
1:42.57 DIANE FORD GBR 2018
1:44.00 LUISE KNOPFLE GER 2014
1:44.28 MASAYO AZUMA JPN 2010
1:45.78 ELIANE PELLIS BEL 2009
1:45.98 A.VAN OBBERGHEN BEL 2008
1:47.73 KUMIE TOKUDA JPN 2012
1:48.15 TAYO FUJIEDA JPN 2013
1:48.65 SYLVIA NEUHAUSER AUT 2004
200 M. BRST
3:40.84 JOANN LEILICH USA 2014
3:41.53 SHOKO YONEZAWA JPN 2010
3:43.29 LUISE KNOPFLE GER 2014
3:44.29 MASAYO AZUMA JPN 2011
3:50.67 DIANE FORD GBR 2018
3:53.56 A.VAN OBBERGHEN BEL 2008
3:54.88 ELIANE PELLIS BEL 2008
3:55.25 SYLVIA NEUHAUSER AUT 2004
3:55.99 KUMIE TOKUDA JPN 2012
3:56.14 ANNE WILLIAMS USA 2013
50 M. FLY
40.06 CHRISTEL SCHULZ GER 2015
41.54 HARUMI SUGIMOTO JPN 2013
41.99 JANE ASHER GBR 2006
42.34 CLAIRE O'DWYER IRL 2016
43.86 KIYOKO YONEDA JPN 2017
44.54 HISAKO KITAYAMA JPN 2012
44.83 IKUKO OKADO JPN 2018
44.95 GAIL ROPER USA 2004
45.44 ODETTE LUSIEN FRA 2002
46.26 FUMIKO NAKAMURA JPN 2013
100 M. FLY
1:47.40 JUDIE OLIVER CAN 2007
1:50.12 SYLVIA NEUHAUSER AUT 2004
1:50.44 HELGA REICH GER 2011
1:50.99 JANE ASHER GBR 2006
1:51.04 MARCELA STASTNA CZE 2012
1:52.12 MARY ANN CASE USA 2014
1:54.14 GAIL ROPER USA 2004
1:56.07 JUNE KRAUSER USA 2001
1:56.65 ODETTE LUSIEN FRA 2002
1:56.92 LOIS NOCHMAN USA 1999
200 M. FLY
4:03.55 SYLVIA NEUHAUSER AUT 2004
4:06.08 HELGA REICH GER 2011
4:10.69 JUNE KRAUSER USA 2001
4:17.87 GAIL ROPER USA 2004
4:19.81 LOIS NOCHMAN USA 1999
4:21.11 CHRISTA SVOBODOVA CZE 2012
4:21.39 JANE ASHER GBR 2006
4:27.36 HERILENE FREITAS BRA 2017
4:27.99 HIROKO KOBAYASHI JPN 2015
4:28.85 SUSAN MEYERS USA 2017
200 M. I.M.
3:32.94 YOSHIKO OSAKI JPN 2013
3:33.71 CHRISTEL SCHULZ GER 2015
3:38.46 JANE ASHER GBR 2006
3:48.16 JUDIE OLIVER CAN 2007
3:48.34 JOANN LEILICH USA 2014
3:48.59 JUNE KRAUSER USA 2001
3:51.28 HELGA REICH GER 2011
3:53.24 MARCELA STASTNA CZE 2013
3:53.65 GRETHE BENDTSEN DEN 2006
3:54.27 TAYO FUJIEDA JPN 2012
400 M. I.M.
7:39.98 JANE ASHER GBR 2006
7:51.71 JUNE KRAUSER USA 2001
8:08.52 HELGA REICH GER 2011
8:10.16 ANN HIRSCH USA 2006
8:17.70 GAIL ROPER USA 2005
8:26.53 URSULA FROHLICH GER 2010
8:28.79 SUE MAYNE AUS 2011
8:29.70 HERILENE FREITAS BRA 2017
8:38.31 JUDIE OLIVER CAN 2011
8:39.22 MARY ANN TURBITT NZL 2018

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WOMEN 80-84
**********
50 M. FREE
35.04 EVA JAROSOVA CZE 2016
36.61 YOSHIKO OSAKI JPN 2018
37.45 JANE ASHER GBR 2011
38.64 GAIL ROPER USA 2009
39.18 FUSAKO HIROOKA JPN 2017
39.51 JOHNNIE DETRICK USA 2016
39.66 FUMIKO NAKAMURA JPN 2018
40.45 FLORENCE CARR USA 2005
40.60 LOTTIE GEURTS NED 2017
40.75 JEAN TROY USA 2007
100 M. FREE
1:23.16 YOSHIKO OSAKI JPN 2018
1:24.18 JANE ASHER GBR 2011
1:27.55 GAIL ROPER USA 2009
1:34.23 LINDA MACPHERSON CAN 2018
1:34.43 MITSUKO KOMURO JPN 2010
1:34.80 LOTTIE GEURTS NED 2017
1:34.95 NAN BOHL USA 2009
1:34.96 DENISE ROBERTSON AUS 2015
1:35.37 FUSAKO HIROOKA JPN 2017
1:35.42 SANTA JAARSVELD RSA 2017
200 M. FREE
3:07.40 JANE ASHER GBR 2011
3:26.58 DENISE ROBERTSON AUS 2015
3:27.26 JEAN TROY USA 2007
3:27.95 LINDA MACPHERSON CAN 2018
3:30.08 HELGA REICH GER 2016
3:30.85 KUMIE TOKUDA JPN 2017
3:31.56 URSULA FROHLICH GER 2017
3:32.12 GAIL ROPER USA 2009
3:32.92 TAYO FUJIEDA JPN 2018
3:32.95 HELEN BIRD AUS 2018
400 M. FREE
6:39.90 JANE ASHER GBR 2012
7:10.31 HELGA REICH GER 2016
7:12.90 DENISE ROBERTSON AUS 2015
7:21.67 TAYO FUJIEDA JPN 2018
7:24.53 JEAN TROY USA 2007
7:26.51 KUMIE TOKUDA JPN 2017
7:30.34 MARGERY MEYER USA 2003
7:37.29 ANNE WILLIAMS USA 2018
7:39.84 URSULA FROHLICH GER 2015
7:40.93 AIKO HORII JPN 2010
800 M. FREE
13:51.21 JANE ASHER GBR 2011

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# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

14:29.77 DENISE ROBERTSON AUS 2017
14:52.17 HELGA REICH GER 2016
15:12.94 JEAN TROY USA 2007
15:21.62 MARGERY MEYER USA 2003
15:32.50 GAIL ROPER USA 2009
15:44.39 DOROTHY DICKEY AUS 2012
15:51.29 NAN BOHL USA 2012
16:04.82 BRITT GRILLI SWE 2008
16:05.85 RITA SIMONTON USA 1998

1500 M. FREE

26:29.87 JANE ASHER GBR 2011
28:22.56 HELGA REICH GER 2016
28:29.39 DENISE ROBERTSON AUS 2018
29:04.81 JEAN TROY USA 2007
29:35.03 MARGERY MEYER USA 2002
30:27.88 BETTY LORENZI USA 2008
30:35.70 FRANCA PARODI ITA 2013
30:41.01 RITA SIMONTON USA 1999
30:43.41 MICHIKO OKUMURA JPN 2011
30:46.79 DOROTHY DICKEY AUS 2010

50 M. BACK

45.76 YOSHIKO OSAKI JPN 2018
46.14 HELEN BIRD AUS 2018
46.39 BUNNY CEDERLUND USA 2002
46.51 JANE ASHER GBR 2012
47.27 SHOKO YONEZAWA JPN 2017
47.47 KATHARINA FLORA HUN 2017
48.77 ALYCE VOGEL USA 2014
48.98 EVA JAROSOVA CZE 2016
49.13 U.MEYER-TONNDORF GER 2016
49.40 MARGERY MEYER USA 2002

100 M. BACK

1:41.87 HELEN BIRD AUS 2017
1:43.57 KATI FLORA HUN 2017
1:44.59 YOSHIKO OSAKI JPN 2018
1:45.62 EVA JAROSOVA CZE 2016
1:45.89 K.FLORA-OROSZ HUN 2018
1:46.11 JANE ASHER GBR 2011
1:47.29 BETTY LORENZI USA 2009
1:48.15 KATHARINA FLORA ROU 2014
1:48.64 BUNNY CEDERLUND USA 2002
1:48.90 SHOKO YONEZAWA JPN 2016

200 M. BACK

3:39.26 KATHARINA FLORA HUN 2017
3:39.27 YOSHIKO OSAKI JPN 2018
3:44.21 HELEN BIRD AUS 2018
3:47.96 JANE ASHER GBR 2012
3:53.25 BETTY LORENZI USA 2009
3:55.60 EVA JAROSOVA CZE 2016
3:56.63 JUDIE OLIVER CAN 2014
3:59.73 BUNNY CEDERLUND USA 2002
4:04.48 HARUMI SUGIMOTO JPN 2018
4:04.92 MARGIT JEBE USA 2018

50 M. BRST

47.59 SHOKO YONEZAWA JPN 2015
48.36 ELIANE PELLIS BEL 2013
48.74 GISELA GRUNER GER 2018
49.49 AGNES OBBERGHEN BEL 2012
49.52 MARCELA STASTNA CZE 2017
51.37 ANNE WILLIAMS USA 2018
51.70 TAYO FUJIEDA JPN 2018
51.75 MASAYO AZUMA JPN 2015
52.92 KUMIE TOKUDA JPN 2017
53.36 EDITH BOHM GER 2008

100 M. BRST

1:45.71 SHOKO YONEZAWA JPN 2015
1:49.34 MASAYO AZUMA JPN 2015
1:50.05 ELIANE PELLIS BEL 2013
1:50.94 A.VAN OBBERGHEN BEL 2011
1:53.91 TAYO FUJIEDA JPN 2018
1:54.64 ANNE WILLIAMS USA 2018
1:57.17 ANN HIRSCH USA 2011
1:57.56 SANTA JAARSVELD RSA 2017
1:59.30 SYLVIA NEUHAUSER AUT 2009
2:01.14 MARCELA STASTNA CZE 2017

200 M. BRST

3:59.60 MASAYO AZUMA JPN 2015
4:05.52 A.VAN OBBERGHEN BEL 2012
4:05.92 TAYO FUJIEDA JPN 2018
4:06.49 ANNE WILLIAMS USA 2018
4:09.40 SANTA JAARSVELD RSA 2017
4:17.64 ANN HIRSCH USA 2011
4:17.76 SYLVIA NEUHAUSER AUT 2009
4:19.28 ANNEMARIE LUDICKE GER 2018
4:26.18 OLGA KOKORINA RUS 2006
4:28.63 JANE ASHER GBR 2011

50 M. FLY

46.21 JANE ASHER GBR 2011
47.37 GAIL ROPER USA 2009
49.13 JUDIE OLIVER CAN 2012
49.85 HISAKO KITAYAMA JPN 2018
50.03 FUMIKO NAKAMURA JPN 2018
50.82 MARCELA STASTNA CZE 2017
52.75 SHOKO YAMADA JPN 2018
53.12 KATI FLORA HUN 2017
54.28 K.FLORA-OROSZ HUN 2018
56.52 MIDORI USUI JPN 2018

100 M. FLY

1:54.93 JUDIE OLIVER CAN 2012
2:01.54 SYLVIA NEUHAUSER AUT 2009
2:02.16 HELGA REICH GER 2016
2:02.26 JANE ASHER GBR 2011
2:02.44 MARCELA STASTNA CZE 2017
2:06.55 LOIS KIVI NOCHMAN USA 2004
2:08.31 FUMIKO NAKAMURA JPN 2018
2:14.91 Y.KAPLAN-BADER FRA 2008
2:19.60 MIDORI USUI JPN 2018
2:21.88 GERTRUD MEERWALD GER 2000

200 M. FLY

4:15.19 JUDIE OLIVER CAN 2012
4:22.66 SYLVIA NEUHAUSER AUT 2009
4:28.61 HELGA REICH GER 2016
4:34.86 LOIS KIVI NOCHMAN USA 2004
5:11.67 Y.KAPLAN-BADER FRA 2008
5:12.38 BETTY RUSS USA 2008
5:24.52 JEAN DURSTON USA 1994
5:29.93 MAXINE MERLINO USA 1992
5:34.09 JAE HOWELL USA 2003
5:48.70 NADIR TAUBERT BRA 2014

200 M. I.M.

3:46.26 EVA JAROSOVA CZE 2016
3:53.12 KATI FLORA HUN 2017
3:54.07 JANE ASHER GBR 2011
3:59.70 JUDIE OLIVER CAN 2012
4:01.84 K.FLORA-OROSZ HUN 2018
4:09.86 MARCELA STASTNA CZE 2017
4:12.56 HELGA REICH GER 2016
4:18.27 ANN HIRSCH USA 2011
4:18.33 SYLVIA NEUHAUSER AUT 2009
4:18.72 JEAN TROY USA 2007

400 M. I.M.

8:21.88 JANE ASHER GBR 2011
8:23.81 JUDIE OLIVER CAN 2012
8:51.30 HELGA REICH GER 2016
9:00.09 ANNEMARIE LUDICKE GER 2018
9:22.68 DENISE ROBERTSON AUS 2015
9:24.85 TERUKO MURAKAMI JPN 2018
9:32.43 JEAN TROY USA 2007
9:43.23 LOIS KIVI NOCHMAN USA 2006
9:45.48 GERTRUD MEERWALD GER 2000
10:04.01 NANCY BROWN USA 2016

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## WOMEN 85-89

**********

50 M. FREE

38.98 JANE ASHER GBR 2016
44.70 OLGA JOHNSON NZL 2006
44.93 MIEKO KAMOSHITA JPN 2012
44.97 JEAN TROY USA 2012
46.08 NAN BOHL USA 2014
46.20 OLGA KOKORINA RUS 2012
46.72 MARGERY MEYER USA 2009
47.23 DOROTHY DICKEY AUS 2016
47.63 MASAE KURATA JPN 2016
48.04 AIKO HORII JPN 2015

100 M. FREE

1:29.29 JANE ASHER GBR 2016
1:43.68 JEAN TROY USA 2012
1:45.16 NAN BOHL USA 2014
1:46.13 OLGA KOKORINA RUS 2009
1:46.69 DOROTHY DICKEY AUS 2017
1:47.59 OLGA JOHNSON NZL 2006
1:48.02 MARGERY MEYER USA 2007
1:48.59 BETTY LORENZI USA 2012
1:48.75 RITA SIMONTON USA 2003
1:49.00 BRITT GRILLI SWE 2013

200 M. FREE

3:21.29 JANE ASHER GBR 2016
3:49.67 JEAN TROY USA 2012
3:50.54 DOROTHY DICKEY AUS 2016
3:55.17 NAN BOHL USA 2014
3:56.11 MARGERY MEYER USA 2007
3:59.07 LIZ WALLIS AUS 2012
3:59.68 RITA SIMONTON USA 2003
4:00.92 AIKO HORII JPN 2015
4:01.97 G. MCKENZIE-HICKS AUS 2012
4:03.29 OLGA JOHNSON NZL 2006

400 M. FREE

7:10.67 JANE ASHER GBR 2016
8:06.04 JEAN TROY USA 2012
8:06.45 NAN BOHL USA 2014
8:10.13 DOROTHY DICKEY AUS 2017
8:14.05 MARGERY MEYER USA 2007
8:17.82 RITA SIMONTON USA 2003
8:31.10 BETTY LORENZI USA 2013
8:35.33 AIKO HORII JPN 2015
8:36.94 YOSHIKO KINOSHITA JPN 2016
8:43.79 OLGA JOHNSON NZL 2006

800 M. FREE

14:27.71 JANE ASHER GBR 2016
16:45.59 DOROTHY DICKEY AUS 2015
16:48.12 NAN BOHL USA 2014
17:09.73 MARGERY MEYER USA 2007
17:10.20 BETTY LORENZI USA 2013
17:14.24 RITA SIMONTON USA 2003
17:49.83 OLGA JOHNSON NZL 2006
18:01.24 G. MCKENZIE-HICKS AUS 2012
18:04.57 MARION BEULKE AUS 2012
18:12.09 AIKO HORII JPN 2015

1500 M. FREE

28:11.18 JANE ASHER GBR 2016
32:11.49 MARGERY MEYER USA 2009
32:18.85 DOROTHY DICKEY AUS 2016
32:32.53 BETTY LORENZI USA 2012
32:33.60 RITA SIMONTON USA 2003
34:33.46 YOSHIKO KINOSHITA JPN 2016
35:43.52 AIKO HORII JPN 2015
36:42.40 JEAN DURSTON USA 1999
36:42.79 JOAN CAMPBELL USA 2015
36:53.31 BETTY RUSS USA 2012

50 M. BACK

44.92 JANE ASHER GBR 2016
51.81 BETTY LORENZI USA 2012
53.44 BUNNY CEDERLUND USA 2006
55.68 KIMIKO OOKA JPN 2014

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56.57 BETTY CHRISTIAN USA 2006
57.14 KERSTIN GJORES SWE 2012
58.27 NANCY KINNEY USA 2015
58.34 MARGERY MEYER USA 2008
58.42 AILEEN SOULE USA 1991
58.73 AIKO GOTO JPN 2016

100 M. BACK

1:52.70 JANE ASHER GBR 2016
1:54.22 BETTY LORENZI USA 2012
2:06.41 BUNNY CEDERLUND USA 2006
2:07.47 KERSTIN GJORES SWE 2012
2:08.11 KIMIKO OOKA JPN 2014
2:09.37 NANCY KINNEY USA 2015
2:10.44 EDITH THEIN ISR 2004
2:10.46 SILVIA CRAVERI ITA 2009
2:11.38 DOROTHY DICKEY AUS 2015
2:12.48 WILLY VAN RYSEL GBR 2001

200 M. BACK

4:00.25 JANE ASHER GBR 2016
4:11.77 BETTY LORENZI USA 2012
4:29.16 EDITH THEIN ISR 2003
4:35.71 BUNNY CEDERLUND USA 2006
4:38.46 G.SCHOBEL-GRASS GER 2011
4:42.52 DOROTHY DICKEY AUS 2015
4:43.85 NANCY KINNEY USA 2015
4:44.76 MARJORIE SHARPE USA 2002
4:45.60 KERSTIN GJORES SWE 2012
4:46.20 PERSIS RAE AUS 2007

50 M. BRST

51.83 AGNES OBBERGHEN BEL 2016
55.69 ELIANE PELLIS BEL 2018
57.24 OLGA KOKORINA RUS 2009
59.16 JANE ASHER GBR 2016
1:01.08 M.KAPCAROVA SVK 2012
1:01.45 NAN BOHL USA 2014
1:02.35 SYLVIA EISELE CAN 2014
1:02.92 KIMIE KANAI JPN 2009
1:03.16 MICHELE GUILLAIS FRA 2006
1:03.35 ANN HIRSCH USA 2016

100 M. BRST

1:54.96 AGNES OBBERGHEN BEL 2016
2:05.71 ELIANE PELLIS BEL 2018
2:09.75 OLGA KOKORINA RUS 2009
2:15.16 JANE ASHER GBR 2018
2:20.49 NAN BOHL USA 2014
2:21.10 ETSUKO KIMURA JPN 2015
2:21.60 NADIR TAUBERT BRA 2018
2:22.94 M.KAPCAROVA SVK 2012
2:25.44 ANN HIRSCH USA 2016
2:26.08 SETSUKO OKUBO JPN 2017

200 M. BRST

4:18.23 AGNES OBBERGHEN BEL 2016
4:43.93 OLGA KOKORINA RUS 2009
4:56.16 JANE ASHER GBR 2018
5:04.17 ANN HIRSCH USA 2016
5:14.41 NAN BOHL USA 2014
5:21.96 JEAN TROY USA 2012
5:23.25 BARBARA BOHM GER 2006
5:24.11 EVA KOPLIKOVA CZE 2012
5:26.04 SYLVIA EISELE CAN 2014
5:26.82 TERUKO ONO JPN 2013

50 M. FLY

51.28 JANE ASHER GBR 2016
1:01.94 LOIS KIVI NOCHMAN USA 2009
1:06.40 YONE MURATA JPN 2007
1:09.14 Y.KAPLAN-BADER FRA 2013
1:09.34 JEAN TROY USA 2013
1:09.57 NORA RONAI BRA 2010
1:10.06 AGNES KISS HUN 2012
1:11.58 JEAN DURSTON USA 1999
1:12.00 MARIA LENK BRA 2000
1:12.55 E.LOBSIGER ESP 2015

100 M. FLY

2:23.89 LOIS KIVI NOCHMAN USA 2009
2:39.43 JEAN DURSTON USA 2000
2:40.97 Y.KAPLAN-BADER FRA 2013
2:43.95 BETTY RUSS USA 2015
2:45.28 DOROTHY WESTON GBR 1998
2:52.47 JAE HOWELL USA 2007
2:58.82 THELMA BRYAN AUS 2015
2:58.95 NADIR TAUBERT BRA 2018
2:59.53 JUNE REYNOLDS USA 2007
2:59.55 MAXINE MERLINO USA 1997

200 M. FLY

5:07.64 LOIS KIVI NOCHMAN USA 2009
5:41.48 BETTY RUSS USA 2012
5:49.75 JEAN DURSTON USA 1999
6:12.31 JAE HOWELL USA 2007
6:18.45 Y.KAPLAN-BADER FRA 2016
6:21.16 THELMA BRYAN AUS 2015
6:35.26 MAXINE MERLINO USA 1998
6:35.92 JUNE REYNOLDS USA 2007
6:46.13 HARUKO SASAKI JPN 2017
7:18.41 KATHERINE PELTON USA 1990

200 M. I.M.

4:12.71 JANE ASHER GBR 2016
5:00.53 ANN HIRSCH USA 2016
5:01.26 JEAN TROY USA 2014
5:07.89 AGNES KISS HUN 2013
5:10.11 Y.KAPLAN-BADER FRA 2015
5:11.92 LOIS KIVI NOCHMAN USA 2009
5:16.68 JEAN DURSTON USA 1999
5:25.65 RITA SIMONTON USA 2004
5:27.56 MAXINE MERLINO USA 1997
5:29.95 KALIS RASMUSSEN CAN 2009

400 M. I.M.

10:41.24 BETTY RUSS USA 2012
10:45.77 JEAN TROY USA 2012
10:48.77 LOIS KIVI NOCHMAN USA 2009
11:10.37 JEAN DURSTON USA 1999
11:16.32 Y.KAPLAN-BADER FRA 2014
11:21.06 MAXINE MERLINO USA 1997
11:56.05 JAE HOWELL USA 2007
12:10.25 THELMA BRYAN AUS 2015
12:16.14 KALIS RASMUSSEN CAN 2009
12:29.83 NORA RONAI BRA 2010

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WOMEN 90-94

**********

50 M. FREE

49.68 OLGA KOKORINA RUS 2013
51.68 MIEKO KAMOSHITA JPN 2017
52.09 JEAN TROY USA 2017
54.97 HISAKO KOGA JPN 2007
55.29 LIZ WALLIS AUS 2017
55.48 MAURINE KORNFELD USA 2011
55.76 AILEEN SOULE USA 1996
56.28 YONE MURATA JPN 2012
56.87 RITA SIMONTON USA 2008
58.80 JULIA DOLCE USA 1999

100 M. FREE

1:58.86 JEAN TROY USA 2017
1:59.86 OLGA KOKORINA RUS 2013
2:00.12 HISAKO KOGA JPN 2007
2:03.13 MIEKO KAMOSHITA JPN 2017
2:03.52 RITA SIMONTON USA 2008
2:05.78 LIZ WALLIS AUS 2017
2:08.53 MAURINE KORNFELD USA 2012
2:11.59 BETTY LORENZI USA 2018
2:18.36 G. MCKENZIE-HICKS AUS 2018
2:19.14 AUDREY ETIENNE USA 2006

200 M. FREE

4:18.85 JEAN TROY USA 2017
4:19.80 RITA SIMONTON USA 2008
4:22.36 LIZ WALLIS AUS 2017
4:22.57 OLGA KOKORINA RUS 2013
4:30.03 MAURINE KORNFELD USA 2013
4:48.89 BETTY LORENZI USA 2017
4:51.14 G. MCKENZIE-HICKS AUS 2018
5:06.38 AUDREY ETIENNE USA 2006
5:08.88 VALERIE LINCOLN AUS 2014
5:11.52 CHIYOKO TAKIZAWA JPN 2012

400 M. FREE

9:04.93 RITA SIMONTON USA 2008
9:30.36 MAURINE KORNFELD USA 2011
9:34.65 JEAN TROY USA 2018
9:54.69 LIZ WALLIS AUS 2018
10:07.56 G. MCKENZIE-HICKS AUS 2018
10:30.72 HISAKO KOGA JPN 2009
10:38.12 BETTY BRUSSEL CAN 2014
10:38.46 VALERIE LINCOLN AUS 2014
10:41.86 CHIYOKO TAKIZAWA JPN 2012
10:55.81 FUMI MURATA JPN 2013

800 M. FREE

18:53.58 RITA SIMONTON USA 2008
19:28.25 MAURINE KORNFELD USA 2012
21:48.05 G.MCKENZIE-HICKS AUS 2017
22:01.97 VALERIE LINCOLN AUS 2014
22:27.49 BETTY BRUSSEL CAN 2014
22:42.50 WILLY VAN RYSEL GBR 2006
22:59.63 JOYCE O'FARRELL AUS 2010
23:01.12 MARIA LENK BRA 2005
23:04.42 MAXINE MERLINO USA 2002
24:21.14 KALIS RASMUSSEN CAN 2015

1500 M. FREE

36:02.20 RITA SIMONTON USA 2008
42:10.07 VALERIE LINCOLN AUS 2014
42:30.27 WILLY VAN RYSEL GBR 2006
43:09.97 JOYCE O'FARRELL AUS 2010
44:46.30 MAXINE MERLINO USA 2002
47:05.74 CHIYOKO TAKIZAWA JPN 2012
48:16.73 KALIS RASMUSSEN CAN 2015
49:40.76 KIKU ONO JPN 2007
50:26.49 JULIA DOLCE USA 1999
51:19.79 KATH JOHNSTONE NZL 2007

50 M. BACK

56.89 BETTY LORENZI USA 2017
1:03.49 AILEEN SOULE USA 1996
1:04.78 NOEL MORROW CAN 2009
1:05.08 WILLY VAN RYSEL GBR 2006
1:06.02 KALIS RASMUSSEN CAN 2014
1:06.71 LIZ WALLIS AUS 2017
1:06.78 MASAKO KARAMATSU JPN 2018
1:06.84 KERSTIN GJORES SWE 2017
1:08.30 HANA ENATSU JPN 2013
1:09.68 AMY MULCRONE AUS 2016

100 M. BACK

2:07.31 BETTY LORENZI USA 2017
2:23.23 AILEEN SOULE USA 1996
2:25.93 WILLY VAN RYSEL GBR 2006
2:27.81 KERSTIN GJORES SWE 2017
2:30.63 MAURINE KORNFELD USA 2011
2:33.12 RITA SIMONTON USA 2011
2:34.29 NOEL MORROW CAN 2009
2:37.52 TRUDY BULLIVANT AUS 2013
2:39.01 KALIS RASMUSSEN CAN 2014
2:41.66 LIZ WALLIS AUS 2017

200 M. BACK

4:38.73 BETTY LORENZI USA 2017
5:17.36 WILLY VAN RYSEL GBR 2006
5:28.09 KALIS RASMUSSEN CAN 2014
5:29.07 AILEEN SOULE USA 1997
5:29.12 G.SCHOBEL-GRASS GER 2017
5:30.12 MAURINE KORNFELD USA 2013
5:38.48 TRUDY BULLIVANT AUS 2013

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# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

5:41.35 MARIA LENK BRA 2005
5:46.91 HANA ENATSU JPN 2014
5:48.93 LIZ WALLIS AUS 2018
50 M. BRST
1:03.72 OLGA KOKORINA RUS 2013
1:13.20 INGEBORG FRITZE GER 2012
1:14.04 JEAN TROY USA 2017
1:16.17 MARJORIE STONE USA 2014
1:18.96 NORA RONAI BRA 2015
1:20.53 MICHELE GUILLAIS FRA 2011
1:25.57 MASAKO HASEGAWA JPN 2016
1:25.91 MARIA LENK BRA 2005
1:26.57 M.GOTTSCHALK GER 1999
1:27.24 AMY MULCRONE AUS 2016
100 M. BRST
2:27.19 OLGA KOKORINA RUS 2013
2:43.03 JEAN TROY USA 2017
2:55.27 MARJORIE STONE USA 2013
2:57.56 INGEBORG FRITZE GER 2011
3:04.80 NAKA FUKUOKA JPN 2013
3:06.14 NORA RONAI BRA 2015
3:09.14 KALIS RASMUSSEN CAN 2014
3:12.88 MARIA LENK USA 2005
3:19.15 BARBARA BOHM GER 2010
3:21.95 M.GOTTSCHALK GER 1999
200 M. BRST
5:21.78 OLGA KOKORINA RUS 2013
5:52.53 JEAN TROY USA 2017
6:34.01 MARJORIE STONE USA 2015
6:38.72 KALIS RASMUSSEN CAN 2014
6:49.90 TERUKO ONO JPN 2018
6:53.97 BARBARA BOHM GER 2010
6:54.46 INGEBORG FRITZE GER 2012
6:57.76 MARIA LENK USA 2005
7:10.69 BETTY BRUSSEL CAN 2014
7:45.45 MICHIKO HAMURO JPN 2009
50 M. FLY
1:22.05 YONE MURATA JPN 2012
1:22.77 NORA RONAI BRA 2014
1:29.40 CHARLOTTE SANDDAL USA 2013
1:33.12 RITA SIMONTON USA 2008
1:45.61 KALIS RASMUSSEN CAN 2014
1:53.22 R.FLORES MEX 2014
2:29.08 GERTRUD ZINT USA 2007
4:42.00 HILDA BUEL USA 2006
4:57.25 ANNA BAUSCHER USA 1994
100 M. FLY
3:39.01 NORA RONAI BRA 2014
4:44.20 R.FLORES MEX 2014
200 M. FLY
8:52.22 NORA RONAI BRA 2014
10:39.85 R.FLORES MEX 2014
200 M. I.M.
6:30.12 RITA SIMONTON USA 2008
6:32.52 NORA RONAI BRA 2014
6:35.70 MAXINE MERLINO USA 2003
6:55.97 KALIS RASMUSSEN CAN 2014
7:24.79 R.FLORES MEX 2014
8:11.91 CHARLOTTE SANDDAL USA 2014
12:03.55 HILDA BUEL USA 2004
12:10.93 ANNA BAUSCHER USA 1994
400 M. I.M.
14:12.52 NORA RONAI BRA 2014
16:29.91 R.FLORES MEX 2014

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WOMEN 95-99
**********
50 M. FREE
1:04.02 MAURINE KORNFELD USA 2016
1:07.45 RITA SIMONTON USA 2013
1:14.38 SHIZUE SHIMIZU JPN 2006
1:14.72 MARGO BATES AUS 2007
1:16.14 SUGAKO KUWAYAMA JPN 2018
1:17.53 JULIA DOLCE USA 2005
1:19.87 KIKUE ISHII JPN 2016
1:20.84 CHARLOTTE SANDDAL USA 2017
1:20.84 CLARICE ARTIS AUS 2013
1:22.50 INGEBORG FRITZE GER 2016
100 M. FREE
2:22.74 MAURINE KORNFELD USA 2016
2:23.86 RITA SIMONTON USA 2013
2:52.51 SUGAKO KUWAYAMA JPN 2018
2:56.83 MIEKO NAGAOKA JPN 2009
3:05.81 FUMI MURATA JPN 2018
3:08.43 JULIA DOLCE USA 2005
3:09.64 MARGO BATES AUS 2006
3:14.18 KIKUE ISHII JPN 2016
3:15.49 AUDREY ETIENNE USA 2011
3:18.26 LAURA OLIVEIRA BRA 2014
200 M. FREE
5:03.47 MAURINE KORNFELD USA 2016
5:04.08 RITA SIMONTON USA 2013
6:21.07 SUGAKO KUWAYAMA JPN 2018
6:30.34 MIEKO NAGAOKA JPN 2009
7:28.35 CHARLOTTE SANDDAL USA 2017
7:34.27 MARGO BATES AUS 2005
7:48.08 LAURA OLIVEIRA BRA 2014
7:59.19 KATH JOHNSTONE NZL 2014
8:57.26 M.DE FROMONT FRA 2006
9:24.83 BERNARDA ANGULO ESP 2007
400 M. FREE
10:12.49 MAURINE KORNFELD USA 2016
10:47.07 RITA SIMONTON USA 2013
13:52.13 MIEKO NAGAOKA JPN 2011
15:41.63 CHARLOTTE SANDDAL USA 2017
15:43.16 KATH JOHNSTONE NZL 2014
18:16.28 BERNARDA ANGULO ESP 2007
18:32.26 M.DE FROMONT FRA 2006
22:01.50 ANNE DUNIVIN USA 2011
800 M. FREE
21:39.10 MAURINE KORNFELD USA 2017
21:53.69 RITA SIMONTON USA 2013
29:29.02 MIEKO NAGAOKA JPN 2010
31:35.73 CHARLOTTE SANDDAL USA 2017
33:53.37 KATH JOHNSTONE NZL 2012
1500 M. FREE
41:39.68 RITA SIMONTON USA 2013
54:09.81 MIEKO NAGAOKA JPN 2011
85:21.95 KATH JOHNSTONE NZL 2015
50 M. BACK
1:14.31 RITA SIMONTON USA 2013
1:16.16 SUGAKO KUWAYAMA JPN 2018
1:17.35 MAURINE KORNFELD USA 2016
1:19.05 MIEKO NAGAOKA JPN 2009
1:22.29 FUMI MURATA JPN 2018
1:26.82 KIKUE ISHII JPN 2016
1:30.96 INGEBORG FRITZE GER 2016
1:37.73 KIKU ONO JPN 2013
1:39.68 EDITH HENDRY USA 2007
1:42.07 JULIA DOLCE USA 2005
100 M. BACK
2:42.67 RITA SIMONTON USA 2013
2:47.43 MAURINE KORNFELD USA 2016
2:51.91 SUGAKO KUWAYAMA JPN 2018
2:55.56 MIEKO NAGAOKA JPN 2010
3:26.93 MASAKO MATSUNO JPN 2011
3:40.79 CLARICE ARTIS AUS 2013
3:42.90 EDITH HENDRY USA 2007
4:03.66 LAURA OLIVEIRA BRA 2014
4:16.79 MARGE ANDERSON CAN 1998
4:18.07 ROSA SELLARES ESP 2005
200 M. BACK
5:42.64 MAURINE KORNFELD USA 2016
6:17.46 RITA SIMONTON USA 2014
6:29.99 MIEKO NAGAOKA JPN 2010
7:09.94 CHARLOTTE SANDDAL USA 2017
7:52.01 EDITH HENDRY USA 2007
8:49.98 BERNARDA ANGULO ESP 2009
11:32.56 ANNE DUNIVIN USA 2011
50 M. BRST
1:44.41 NAKA FUKUOKA JPN 2018
2:16.08 CHARLOTTE SANDDAL USA 2017
2:24.40 MIEKO NAGAOKA JPN 2011
3:02.62 KATH JOHNSTONE NZL 2014
3:13.99 MICHIKO HAMURO JPN 2014
4:20.32 ROSA SELLARES ESP 2005
100 M. BRST
4:37.87 CHARLOTTE SANDDAL USA 2017
8:00.98 MICHIKO HAMURO JPN 2014
200 M. BRST
9:18.96 CHARLOTTE SANDDAL USA 2017

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WOMEN 100-104
**********
50 M. FREE
1:41.88 MIEKO NAGAOKA JPN 2014
2:43.80 ANNE DUNIVIN USA 2016
5:10.84 MARY MAINA AUS 1994
100 M. FREE
3:45.85 MIEKO NAGAOKA JPN 2014
5:42.81 ANNE DUNIVIN USA 2016
6:17.75 MARGO BATES AUS 2010
200 M. FREE
7:48.76 MIEKO NAGAOKA JPN 2014
12:06.09 ANNE DUNIVIN USA 2016
400 M. FREE
16:36.80 MIEKO NAGAOKA JPN 2014
800 M. FREE
38:04.30 MIEKO NAGAOKA JPN 2014
1500 M. FREE
74:08.73 MIEKO NAGAOKA JPN 2014
50 M. BACK
1:33.89 MIEKO NAGAOKA JPN 2014
2:52.85 MARGO BATES AUS 2010
100 M. BACK
3:39.81 MIEKO NAGAOKA JPN 2014
6:36.82 MARGO BATES AUS 2010
200 M. BACK
8:05.64 MIEKO NAGAOKA JPN 2014

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M E N 25-29
**********
50 M. FREE
22.30 ARI LIUKONNEN FIN 2017
22.79 A.WADDELL AUS 1992
22.94 PAVEL ZINKEVICH BLR 2015
22.97 SERGEY MUKHIN RUS 2013
23.00 FELIPE MESSIAS BRA 2018
23.08 RYO ISHII JPN 2018
23.12 ALEXANDRE AGOSTIN POR 2015
23.15 C.GRAHLEMANN GER 2009
23.21 CAMERON OWEN USA 2016
23.21 YURI COSTA BRA 2014
100 M. FREE
50.45 MATTHEW MCGINNIS USA 2013
50.74 FELIPE MESSIAS BRA 2018
50.74 NICK SHACKELL USA 2000
50.75 KOSUKE MAEDA JPN 2015
50.81 A.LIUKKONEN FIN 2014
51.06 ADAM RITTER USA 2013
51.16 MICHAL BIELAWSKI POL 2018
51.22 CAMERON OWEN USA 2016
51.23 EDVALDO SILVA BRA 2007

# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

51.29 AUSTIN SURHOFF USA 2018

200 M. FREE

1:50.76 DAVID ALCOLADO ESP 2017
1:51.00 JOHN KEPPELER USA 1996
1:51.39 ADAM RITTER USA 2013
1:52.19 JOE TRISTAN USA 2000
1:52.39 MATEO DE ANGULO COL 2016
1:52.77 MARIO MONTOYA CRC 2014
1:52.82 CHRIS KING RSA 2012
1:53.16 CHRISTIAN HEIN GER 2007
1:53.68 EDVALDO SILVA BRA 2007
1:53.73 EDUARDO DUARTE BRA 2016

400 M. FREE

3:58.94 MATEO DE ANGULO COL 2016
4:00.98 HONZA VITAZKA USA 2002
4:01.70 STEVE MELLOR GBR 2001
4:02.79 MARTIN HOHL SUI 2009
4:02.95 BART REYMEN BEL 1998
4:03.32 MARIO MONTOYA CRC 2014
4:03.63 ALEX KOSTICH USA 1997
4:05.09 MATTEO MONTANARI ITA 2017
4:05.99 CHIP HOBSON USA 1994
4:06.31 EDUARDO DUARTE BRA 2016

800 M. FREE

8:22.43 ROBERT NUSSLE GER 2013
8:24.67 ALEX KOSTICH USA 1997
8:27.48 MICHAEL DMITRIEV GER 2012
8:29.22 NICOLAS GRANGER FRA 1994
8:32.05 MATTEO MONTANARI ITA 2017
8:32.92 NEIL TAIT GBR 1996
8:35.27 ROMAN YUSUPOV RUS 2016
8:35.91 CHIP HOBSON USA 1994
8:36.83 ALEXANDR SHIMIN RUS 2015
8:36.83 JEFF ERWIN USA 1992

1500 M. FREE

16:13.78 RAFAEL CABANILLAS ESP 2015
16:13.89 ALEX KOSTICH USA 1997
16:26.06 MARTIN HOHL SUI 2012
16:28.63 C.HANSMANN GER 2002
16:28.69 CAMERON REID USA 1987
16:29.31 TAKUTO KITAYAMA JPN 2018
16:31.20 JOHN CALNAN CAN 2006
16:32.95 ROBERT NUSSLE GER 2012
16:36.87 NICKY LANGE GER 2009
16:38.86 JULIEN BAILLOD SUI 2009

50 M. BACK

25.44 ANTON BUTYMOV RUS 2016
26.05 ANTON ANCHIN RUS 2017
26.05 ADAM MANIA USA 2011
26.09 YURI COSTA BRA 2014
26.11 CARRIL PEREIRO ESP 2017
26.12 VITALIY BORISOV RUS 2015
26.18 HIDEAKI AOKI JPN 2010
26.22 OMAR PINZON COL 2016
26.40 TOMOYA FUKUI JPN 2015
26.44 LEONARDO SUMIDA BRA 2015

100 M. BACK

55.49 OMAR PINZON COL 2016
55.87 KURT CROSLAND NZL 2013
56.20 VITALIY BORISOV RUS 2015
56.35 ANTON BUTYMOV RUS 2016
56.61 ANTON ANCHIN RUS 2017
56.80 CHRIS KING RSA 2012
57.00 KEVIN DOAK USA 2008
57.10 DAVID DURANGO ESP 2017
57.39 HISAYOSHI SATO JPN 2015
57.42 IKUMI HASEGAWA JPN 2009

200 M. BACK

1:59.69 OMAR PINZON COL 2016
2:03.61 HAYES JOHNSON USA 2017
2:03.62 CHRIS KING RSA 2012
2:03.80 KAMIL KASPROWICZ GER 2010
2:04.84 ANTON ANCHIN RUS 2017
2:06.30 ADRIANO NIZ POR 2015
2:07.24 DAVID DURANGO ESP 2017
2:07.57 JOHN KEPPELER USA 1992
2:07.58 JUNICHI MORITA JPN 2018
2:08.02 MASAYA KANEKO JPN 2012

50 M. BRST

27.65 MAREK BOTIK SVK 2017
27.84 IGOR GOLOVIN RUS 2015
27.96 MARK GANGLOFF USA 2011
28.04 JORGE MURILLO COL 2016
28.13 A.VLADIMIROV RUS 2015
28.18 OSSI OKSA FIN 2015
28.21 MARK CONROY USA 2018
28.29 C.BURCKLE USA 2013
28.33 EDUARDO FISCHER BRA 2008
28.43 YURI COSTA BRA 2014

100 M. BRST

59.93 JORGE MURILLO COL 2016
1:01.66 KANAYA YUKI JPN 2018
1:02.18 C.BURCKLE USA 2013
1:02.19 RYO KOBAYASHI JPN 2013
1:02.44 GARY MARSHALL USA 2008
1:02.65 CHRISTOPHER JONES GBR 2007
1:03.16 A.VLADIMIROV RUS 2015
1:03.56 NIKLAS HEDEGAARD DEN 2018
1:03.62 V.POLYAKOV USA 2011
1:03.68 ROBERT LOVELACE USA 2016

200 M. BRST

2:11.78 C.BURCKLE USA 2013
2:12.81 JORGE MURILLO COL 2016
2:15.47 KANAYA YUKI JPN 2018
2:16.70 GARY MARSHALL USA 2008
2:17.51 JOHANNES DIETRICH AUT 2018
2:18.17 CHRISTOPHER JONES GBR 2008
2:19.73 ARTEM BABIKHIN RUS 2018
2:19.73 DAISUKE KIMURA JPN 2010
2:19.96 VINCENT DASSIE FRA 2014
2:20.07 AHMED BAYOUMY EGY 2014

50 M. FLY

23.58 M. PATTERSON AUS 2013
23.71 KOHEI KAWAMOTO USA 2008
24.01 RYO ISHII JPN 2015
24.20 TAKUYA KAGAMI JPN 2018
24.27 JACK MARRIOTT GBR 2017
24.33 OLEG KUZNYETSOV UKR 2018
24.35 SERGEY MUKHIN RUS 2013
24.39 CARLOS VIVEROS COL 2016
24.46 ALEXANDRU COCI ROU 2018
24.46 HISAYOSHI SATO JPN 2015

100 M. FLY

53.09 KOHEI KAWAMOTO USA 2008
53.41 M. PATTERSON AUS 2013
54.00 CARLOS VIVEROS COL 2016
54.07 GLAUBER SILVA BRA 2015
54.29 MATTHEW BOWE GBR 2008
54.73 M.BABUCHOWSKI POL 2012
54.79 ALEXANDRU COCI ROU 2018
54.86 V.SEMHAIKIN UKR 2017
54.94 TAKATSUGU OGA JPN 2014
54.95 CARLOS NASCIMENTO BRA 2009

200 M. FLY

2:03.26 SATOSHI TORATANI JPN 2008
2:04.14 KIMITAKA MINOBE JPN 2003
2:04.55 TAKATSUGU OGA JPN 2018
2:04.73 SOHEI WASHINO JPN 2018
2:05.26 PHILIPP GILGEN SUI 2003
2:05.41 KO FUKAYA JPN 2018
2:05.76 JASON EADDY USA 2002
2:05.80 ALEXANDRU COCI ROU 2018
2:06.28 FREDERICO CASTRO BRA 2015
2:06.46 ANATOLIY POLYAKOV RUS 2009

200 M. I.M.

2:04.40 ADAM RITTER USA 2013
2:05.98 KAMIL KASPROWICZ GER 2010
2:06.33 HONZA VITAZKA USA 2002
2:06.45 YUTA SHOJI JPN 2009
2:06.59 TOBIAS ORIWOL USA 2014
2:07.00 NICOLAS GRANGER FRA 1994
2:07.02 ARNAUD RONDAN FRA 2013
2:09.21 CAMERON REID USA 1987
2:09.68 A.MIGUEL NIZ POR 2015
2:09.79 IGOR BALDOINO BRA 2016

400 M. I.M.

4:29.28 ARNAUD RONDAN FRA 2013
4:30.05 DIOGO YABE BRA 2009
4:31.47 NICOLAS GRANGER FRA 1994
4:32.19 HONZA VITAZKA USA 2002
4:32.45 DIRK ZINNOW GER 2000
4:32.96 ALEX KOSTICH USA 1997
4:34.08 CAMERON REID USA 1987
4:40.71 MATTEO MONTANARI ITA 2017
4:41.14 MARCUS MATTIOLI ITA 1988
4:41.97 KOSHIRO IKEYA JPN 2014

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## M E N 30-34

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50 M. FREE

22.13 ROLAND SCHOEMAN USA 2013
22.53 SABIR MUHAMMAD USA 2009
22.80 ROBERT PEEL USA 1996
22.91 BRIAN JACOBSON USA 2005
22.95 EVGENIY LAGUNOV RUS 2018
23.09 YOSHIHIRO ASO JPN 2018
23.12 SERGEY MUKHIN RUS 2015
23.12 FRANCISCO PINTO BRA 2014
23.16 NIKITA KONOVALOV RUS 2018
23.19 M.BILDOSOLA ESP 2013

100 M. FREE

49.80 DARIAN TOWNSEND USA 2016
50.34 ADAM RITTER USA 2015
50.39 EVGENIY LAGUNOV RUS 2018
50.79 P.KORZENIOWSKI POL 2018
50.84 S.KUNZELMANN GER 2009
51.06 ADAM PINE AUS 2009
51.24 P.KUTSCHER GER 2009
51.32 SERGEY MUKHIN RUS 2015
51.34 HIDEAKI HARA JPN 2008
51.43 MIKEL BILDOSOLA ESP 2017

200 M. FREE

1:49.56 DARIAN TOWNSEND USA 2016
1:52.13 ADAM RITTER USA 2015
1:52.81 CHRISTIAN ORJUELA COL 2017
1:53.15 DANIEL KOWALSKI AUS 2009
1:53.33 JACOB CARSTENSEN DEN 2010
1:53.46 TAMAS KEREKJARTO USA 2009
1:54.18 D.STOCKINGER AUT 2012
1:54.25 YURIY UFIMTSEV RUS 2014
1:54.33 JOSH DAVIS USA 2006
1:55.20 DIOGO YABE BRA 2011

400 M. FREE

3:58.12 DARIAN TOWNSEND USA 2016
3:58.42 DANIEL KOWALSKI AUS 2009
4:00.33 R.MONASTERIO VEN 2010
4:01.06 JAN WOLFGARTEN GER 2012
4:01.70 JACOB CARSTENSEN DEN 2012
4:04.37 THOMAS LURZ GER 2012
4:05.01 ROSTISLAV VITEK CZE 2009
4:05.19 CARLOS PAVAO BRA 2007
4:05.61 ERIK HOCHSTEIN USA 2002
4:07.04 ROWDY GAINES USA 1994

800 M. FREE

8:08.68 JAN WOLFGARTEN GER 2012

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# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

8:10.78 THOMAS LURZ GER 2012
8:16.52 R.MONASTERIO VEN 2010
8:18.76 DANIEL KOWALSKI AUS 2009
8:26.26 CARLOS PAVAO BRA 2007
8:27.41 ROSTISLAV VITEK CZE 2009
8:33.81 R.QUINTANILLA ESP 2017
8:35.16 IGOR PIOVESAN ITA 2008
8:35.87 A.STUDZINSKI GER 2014
8:36.08 RAFAEL CABANILLAS ESP 2018

1500 M. FREE

15:25.79 JAN WOLFGARTEN GER 2012
16:30.41 ASUKA KOIZUMI JPN 2009
16:30.57 MARTIN HOHL SUI 2013
16:33.47 R.QUINTANILLA ESP 2017
16:33.70 IGOR PIOVESAN ITA 2008
16:34.31 DAVID GENET FRA 2012
16:35.67 SEBASTIAN WIESE GER 2003
16:36.06 BOBBY PATTEN USA 1993
16:38.24 JEFF ERWIN USA 1998
16:42.28 RON NEUGENT USA 1991

50 M. BACK

25.97 DARIAN TOWNSEND USA 2016
26.02 STEFAN HERBST GER 2011
26.36 TOMOYA FUKUI JPN 2017
26.42 KEVIN DOAK USA 2012
26.52 D. BLACKBORROW AUS 2016
26.54 LEONARDO SUMIDA BRA 2017
26.54 R.FLOREA ROM 2010
26.59 DERYA BUYUKUNCU USA 2009
26.64 MARTIN HARRIS GBR 2002
26.66 TAKASHI TAKEMOTO JPN 2018

100 M. BACK

55.93 DARIAN TOWNSEND USA 2014
56.55 STEFAN HERBST GER 2011
57.22 TAKASHI TAKEMOTO JPN 2018
57.24 MARTIN HARRIS GBR 2000
57.46 R.FLOREA ROM 2010
57.47 D. BLACKBORROW AUS 2016
57.58 KEVIN DOAK USA 2012
57.67 ENRICO CATALANO ITA 2015
57.69 LEONARDO SUMIDA BRA 2017
58.04 NAOYUKI WATANABE JPN 2016

200 M. BACK

2:02.75 ROGERIO ROMERO BRA 2000
2:04.43 R.FLOREA ROM 2010
2:05.62 SEAN MURPHY USA 1994
2:06.21 TAKASHI TAKEMOTO JPN 2018
2:06.30 MARTIN HARRIS GBR 2000
2:06.61 KEITH BEAVERS CAN 2014
2:07.34 A.MIGUEL NIZ POR 2016
2:07.43 GEORGIOS DEMETIS GRE 2017
2:08.11 MARK VOGEL DEN 2000
2:08.21 ROSTISLAV VITEK CZE 2009

50 M. BRST

27.97 RYO KOBAYASHI JPN 2015
28.24 SERGEY GEYBEL RUS 2015
28.59 CARLOS ALENCAR BRA 2009
28.63 OLEG LISOGOR UKR 2010
28.79 WOLFGANG MAIER GER 2016
28.86 RYOSUKE IMAI JPN 2009
28.90 TAMAS SZABO HUN 2018
28.96 TAKURO OSAKI JPN 2018
28.96 OSSI OKSA FIN 2018
29.01 JEFF COMMINGS USA 2006

100 M. BRST

1:02.39 RYO KOBAYASHI JPN 2015
1:02.71 ED MOSES USA 2011
1:02.90 EDUARDO FISCHER BRA 2011
1:03.16 ADAM RITTER USA 2015
1:03.54 HAJIME IKEGAMI JPN 2018
1:03.59 GARY MARSHALL USA 2013
1:03.67 RYOSUKE IMAI JPN 2011
1:03.90 WOLFGANG MAIER GER 2016
1:04.38 TAKAHIRO NETSU JPN 2015
1:04.69 SHOU ASAHI JPN 2018

200 M. BRST

2:18.04 GARY MARSHALL USA 2012
2:19.57 HAJIME IKEGAMI JPN 2018
2:19.67 ED MOSES USA 2011
2:19.91 BENNO HAWE GER 2016
2:20.43 NICK GILLINGHAM GBR 1999
2:21.25 HIROYUKI KOSAKA JPN 2009
2:21.28 TOMASZ DUSZYNSKI POL 2008
2:21.43 JACOB CARSTENSEN DEN 2012
2:21.70 ANDREA CAVALLETTI ITA 2016
2:22.36 TAKAHIRO MORI JPN 2012

50 M. FLY

23.26 ROLAND SCHOEMAN USA 2013
23.79 MICHAL SKRODZKI AUS 2016
24.25 NIKITA KONOVALOV RUS 2018
24.41 GLAUBER SILVA BRA 2016
24.59 KEVIN DOAK USA 2012
24.61 ADAM PINE AUS 2009
24.67 STEFANO RAZETO GER 2016
24.73 OSWALDO QUEVEDO USA 2006
24.77 MAKSIM GANIKHIN RUS 2018
24.80 SERGEY MUKHIN RUS 2015

100 M. FLY

53.11 ADAM PINE AUS 2009
53.65 DARIAN TOWNSEND USA 2014
54.12 MAKSIM GANIKHIN RUS 2017
54.19 I.GHERGHEL ROM 2010
54.79 V.SEMHAIKIN UKR 2018
54.83 KEVIN DOAK USA 2012
55.01 TAMAS KEREKJARTO USA 2009
55.39 HIROKI NAKAZONO JPN 2009
55.55 SEIJI TANIGUCHI JPN 2018
55.67 MATT HAUPT USA 2010

200 M. FLY

2:00.33 MIGUEL ALCALDE ESP 2007
2:03.76 MATT HAUPT USA 2010
2:03.85 BOBBY PATTEN USA 1995
2:05.28 MAKSIM GANIKHIN RUS 2017
2:06.79 ASUKA KOIZUMI JPN 2009
2:06.82 PHILIPPE MEYER SUI 2005
2:06.84 IAN BECK GBR 1996
2:07.67 DENNY FERRONI ITA 2018
2:07.71 JAMES BELARDI USA 1987
2:08.03 LOIC LEROY FRA 2012

200 M. I.M.

2:02.05 DARIAN TOWNSEND USA 2016
2:03.54 DIOGO YABE BRA 2011
2:04.91 KEITH BEAVERS CAN 2014
2:05.52 ISTVAN BATHAZI USA 2009
2:05.60 TAMAS KEREKJARTO USA 2010
2:07.38 JACOB CARSTENSEN DEN 2010
2:07.83 ALEXEY ZATSEPIN RUS 2015
2:07.96 ADAM RITTER USA 2015
2:07.97 KOSUKE KOJIMA USA 2009
2:08.29 I.DRYMONAKOS GRE 2018

400 M. I.M.

4:20.81 DARIAN TOWNSEND USA 2016
4:24.11 LUKASZ WOJT GER 2013
4:31.36 DIOGO YABE BRA 2012
4:32.74 KEITH BEAVERS CAN 2014
4:33.91 THOMAS LURZ GER 2012
4:35.41 ASUKA KOIZUMI JPN 2010
4:37.82 CHRISTIAN ORJUELA COL 2017
4:38.28 JULIEN BAILLOD SUI 2012
4:38.36 C.SORRENTINO ITA 2008
4:38.55 A.BEZUGLIY USA 2016

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M E N 35-39

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50 M. FREE

22.76 MARK FOSTER GBR 2005
23.19 EDUARD LORENTE ESP 2014
23.20 ROWDY GAINES JPN 1994
23.28 RYK NEETHLING RSA 2012
23.28 M.GIALDI ITA 2004
23.37 MIKE BILDOSOLA ESP 2018
23.37 BRIAN JACOBSON USA 2012
23.44 ANDREY KURNOSOV RUS 2018
23.45 MATTHEW LUE GBR 2017
23.53 SVEN GUSKE GER 2009

100 M. FREE

50.78 HIDEAKI HARA JPN 2009
51.49 ROWDY GAINES USA 1995
51.52 MIKE BILDOSOLA ESP 2018
51.98 SVEN LODZIEWSKI GER 2004
52.15 RICHARD SAEGER USA 2001
52.22 VLAD PYSHNENKO USA 2006
52.23 MICHAEL ROSS USA 2004
52.27 TODD ROBINSON AUS 2009
52.34 D.STOCKINGER AUT 2017
52.36 TAMAS KEREKJARTO USA 2015

200 M. FREE

1:52.84 VLAD PYSHNENKO USA 2006
1:54.86 RICHARD SAEGER USA 2001
1:55.36 ROWDY GAINES JPN 1994
1:55.62 MICHAEL ROSS USA 2006
1:55.63 IOAN GHERGHEL ROU 2015
1:55.68 JOCHEN BRUHA GER 2004
1:55.77 CLAUS IVERSON DEN 2015
1:56.02 RONALD KARNAUGH USA 2003
1:56.31 HIDEAKI HARA JPN 2012
1:56.45 GUSTAVO HELENO BRA 2011

400 M. FREE

4:05.91 PETAR STOYCHEV GER 2012
4:06.73 GUSTAVO HELENO BRA 2011
4:07.53 NICOLA NISATO ITA 2017
4:07.64 ROWDY GAINES USA 1995
4:09.74 DANIEL VERDAGUER ESP 2006
4:10.15 CLAUS IVERSEN DEN 2012
4:10.31 ERIK HOCHSTEIN USA 2003
4:10.54 IGOR PIOVESAN ITA 2009
4:10.93 YURI GOTTI ITA 2017
4:11.15 GUY-NOEL SCHMITT FRA 2018

800 M. FREE

8:18.44 PETAR STOYCHEV GER 2012
8:35.29 GUSTAVO HELENO BRA 2011
8:36.90 NICOLA NISATO ITA 2017
8:38.73 ROWDY GAINES USA 1996
8:39.37 ANDREA MARCATO ITA 2009
8:39.49 IGOR PIOVESAN ITA 2009
8:41.16 DANIEL VERDAGUER ESP 2006
8:41.53 R SEAN JUSTICE USA 2011
8:41.59 IGOR CHERVINSKIY UKR 2018
8:42.82 SAMUELE PAMPANA ITA 2015

1500 M. FREE

16:00.04 PETAR STOYCHEV GER 2012
16:32.72 CHRISTOPHER DERKS USA 2008
16:36.50 ANDREA MARCATO ITA 2009
16:37.34 ROWDY GAINES USA 1995
16:37.63 ROGER RABASSA ESP 2018
16:38.48 R SEAN JUSTICE USA 2011
16:40.90 IGOR PIOVESAN ITA 2009
16:45.04 MIKE SHAFFER USA 2002
16:50.83 ERIK HOCHSTEIN USA 2003
16:56.34 JULIEN BAILLOD SUI 2016

50 M. BACK

26.11 LUBOS KRIZKO CZE 2016
26.43 RYAN PINI PNG 2017
26.99 STEV THELOKE GER 2013
27.00 RODRIGO FERREIRA USA 2018

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27.03 KENICHI KANEKO JPN 2017
27.03 EDILSON SILVA USA 2009
27.11 LEONARDO GOMES BRA 2009
27.13 FELIX STEINHAUER SUI 2017
27.21 OSAMU ITOI JPN 2009
27.42 SIMON THIRSK RSA 2013

100 M. BACK

57.91 RYAN PINI PNG 2017
58.48 MARCO MACCIANTI ITA 2016
58.86 IOAN GHERGHEL ROU 2015
58.87 FELIX STEINHAUER SUI 2017
59.04 STEV THELOKE GER 2013
59.18 MICHAEL ROSS USA 2006
59.50 OSAMU ITOI JPN 2009
59.53 MAURIZIO TERSAR ITA 2015
59.58 NAOYUKI WATANABE JPN 2018
59.65 JEFF COMMINGS USA 2012

200 M. BACK

2:07.16 RON KARNAUGH USA 2001
2:07.97 MARCO MACCIANTI ITA 2016
2:08.66 HIROAKI INOU JPN 2016
2:09.26 DANIEL VEATCH USA 2000
2:09.65 DARRYL FOLLOWS NZL 2002
2:09.67 A.PONTALTI ITA 2012
2:10.38 NICHOLAS GRANGER FRA 2002
2:10.59 RICK GOULD USA 2006
2:10.99 MAURIZIO TERSAR ITA 2015
2:11.60 TAKAYUKI MIYASAKA JPN 2012

50 M. BRST

28.53 JEFF COMMINGS USA 2009
28.61 FELIPE SANTOS BRA 2016
28.68 MARKIC MATJAZ SLO 2018
28.80 FELIPE DOS SANTOS USA 2018
28.80 VLADISLAV BRAGIN RUS 2009
28.85 SERGEY GEYBEL RUS 2017
29.09 WALLY DICKS USA 1998
29.11 OLEG LISOGOR UKR 2017
29.19 ANDRIY KULYK UKR 2012
29.21 TIMO NOLTE GER 2010

100 M. BRST

1:03.76 JEFF COMMINGS USA 2013
1:04.73 NICK GILLINGHAM GBR 2004
1:04.78 FELIPE DOS SANTOS USA 2018
1:04.91 STEVE WEST USA 2011
1:04.97 KRASIMIR ZAHOV BUL 2014
1:05.00 WALLY DICKS USA 2000
1:05.07 ALBERTO MONTINI ITA 2004
1:05.09 SERGEY GOGOL RUS 2017
1:05.38 VLADISLAV BRAGIN RUS 2010
1:05.50 EDUARDO FISCHER BRA 2016

200 M. BRST

2:20.29 NICK GILLINGHAM GBR 2004
2:20.34 STEVE WEST USA 2011
2:21.87 RON KARNAUGH USA 2001
2:22.80 KRASIMIR ZAHOV BUL 2014
2:23.03 ANDREY IVANOV RUS 2015
2:23.46 STEPHAN PERROT FRA 2016
2:23.54 GEOFF WELLS USA 2018
2:24.05 CHRISTOPHER JONES GBR 2016
2:24.26 ALBERTO MONTINI ITA 2004
2:24.37 DAVID GUTHRIE USA 1995

50 M. FLY

24.14 KOHEI KAWAMOTO USA 2015
24.47 RYAN PINI PNG 2017
24.69 RYK NEETHLING RSA 2012
24.75 MARK FOSTER GBR 2005
25.00 WADE KING USA 2002
25.10 LEONARDO GOMES BRA 2009
25.18 GLENN COUNTS USA 2012
25.22 MAKIO ENDO JPN 2009
25.23 EIJI NOMURA JPN 2010
25.31 JAN KARLSSON SWE 2005

100 M. FLY

53.65 KOHEI KAWAMOTO USA 2018
55.35 IOAN GHERGHEL ROU 2015
55.43 TAMAS KEREKJARTO USA 2015
55.58 DIOGO YABE BRA 2016
55.62 BRENT CREAGER USA 2015
55.82 HIDEAKI HARA JPN 2011
55.84 EIJI NOMURA JPN 2009
56.07 MICHAEL ROSS USA 2004
56.19 GUSTAVO GIROTTO BRA 2017
56.28 STEPHEN MAVIN GBR 2012

200 M. FLY

2:04.76 BRENT CREAGER USA 2015
2:05.98 TAMAS KEREKJARTO USA 2015
2:06.74 JEFF STUART USA 1996
2:07.13 BERNIE ZERUHN USA 2006
2:08.13 KIMITAKA MINOBE JPN 2011
2:08.51 WILLIAM SPECHT USA 1994
2:08.65 MIKE SHAFFER USA 2002
2:09.03 PHILIPPE MEYER SUI 2006
2:09.10 FRANK WATTLES USA 2007
2:09.18 LOIC LEROY FRA 2015
2:09.18 JAMES BELARDI USA 1992

200 M. I.M.

2:05.64 RONALD KARNAUGH USA 2003
2:07.24 DIOGO YABE BRA 2016
2:11.23 NICOLAS GRANGER FRA 2002
2:11.54 ANTONINO TRIPPODO ITA 2015
2:12.03 TAMAS KEREKJARTO USA 2014
2:12.11 JOCHEN HANZ GER 2015
2:12.25 R.LOCOCCIOLO ITA 2010
2:12.37 CLAUS IVERSEN DEN 2012
2:12.48 JULIEN BAILLOD SUI 2017
2:12.58 CASEY FLOUCH AUS 2017

400 M. I.M.

4:34.10 RON KARNAUGH USA 2001
4:37.36 DIOGO YABE BRA 2016
4:38.50 JULIEN BAILLOD SUI 2015
4:42.19 ANTONINO TRIPPODO ITA 2015
4:42.45 NICOLAS GRANGER FRA 2002
4:43.17 JEROME FRENTSOS USA 2000
4:44.98 JOCHEN HANZ GER 2015
4:45.47 DEREK GUFFEY USA 2009
4:45.98 SANDRO TOMAS CRO 2008
4:46.12 ASUKA KOIZUMI JPN 2014

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M E N 40-44
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50 M. FREE

23.25 HIDEAKI HARA JPN 2018
23.30 STEPHAN VOLERY SUI 2001
23.31 BRIAN JACOBSON USA 2014
23.47 LARS FROLANDER SWE 2015
23.86 M.GIALDI ITA 2008
23.88 O.PLANES OSORIO ESP 2016
23.95 ISAMU TSUZUKI JPN 2017
24.00 JUAN BENAVIDES ESP 2016
24.02 VLADIMIR PREDKIN RUS 2013
24.12 TOMMY RUNDGREN FIN 2009

100 M. FREE

51.21 HIDEAKI HARA JPN 2018
51.72 VLAD PYSHNENKO USA 2010
52.10 ERIK HOCHSTEIN USA 2009
52.42 MICHAEL ROSS USA 2009
52.55 CHRIS FYDLER AUS 2012
53.19 STEFAN OPATRIL AUT 2009
53.30 BRIAN JACOBSON USA 2013
53.31 TOMMY RUNDGREN FIN 2009
53.45 RICH SAEGER USA 2006
53.49 O.PLANES OSORIO ESP 2016

200 M. FREE

1:53.65 VLAD PYSHNENKO USA 2010
1:55.06 MICHAEL ROSS USA 2009
1:55.06 RICH SAEGER USA 2006
1:55.70 ERIK HOCHSTEIN USA 2008
1:55.75 CLAUS IVERSEN DEN 2017
1:58.50 KAI DITZEL GER 2004
1:58.60 ROSS DAVIS USA 2006
1:58.61 PAUL SMITH USA 2001
1:58.66 JOCHEN BRUHA GER 2009
1:58.66 JEFFREY UTSCH USA 2008

400 M. FREE

4:06.74 ERIK HOCHSTEIN USA 2009
4:11.04 SAMUELE PAMPANA ITA 2017
4:11.55 DENNIS BAKER USA 2004
4:11.62 GUSTAVO HELENO BRA 2016
4:12.81 NICOLA NISATO ITA 2018
4:12.99 IGOR PIOVESAN ITA 2014
4:13.65 MARK THOMPSON AUS 2009
4:13.82 JURE BUCAR SLO 2006
4:14.37 MICHAEL PRUFERT GER 2006
4:14.54 PAUL LEMMON AUS 2009

800 M. FREE

8:36.41 SAMUELE PAMPANA ITA 2016
8:37.81 ALEX KOSTICH USA 2010
8:41.65 JEFF ERWIN USA 2005
8:43.10 NICOLA NISATO ITA 2018
8:44.89 DANIEL SERRA ESP 2008
8:46.51 MICHAEL KLEIBER GER 2005
8:46.61 MICHAEL PRUFERT GER 2005
8:47.75 FREDERIK HVIID USA 2014
8:48.69 JOSEPH RHYNE USA 1999
8:49.38 RYAN COX USA 2013

1500 M. FREE

16:24.76 NICOLA NISATO ITA 2018
16:36.91 ALEX KOSTICH USA 2010
16:39.60 JEFF ERWIN USA 2008
16:41.48 SAMUELE PAMPANA ITA 2016
16:45.53 MICHAEL KLEIBER GER 2003
16:45.80 GUSTAVO HELENO BRA 2016
16:48.68 TIMOTHY GALLAUDET USA 2008
16:51.19 FREDERIK HVIID USA 2014
16:54.95 MICHAEL PRUFERT GER 2006
16:55.07 IGOR PIOVESAN ITA 2014

50 M. BACK

27.27 ALEXANDR SHILIN RUS 2017
27.30 OSAMU ITOI JPN 2014
27.35 SERKAN ATASAY TUR 2012
27.38 EDILSON SILVA BRA 2010
27.47 MICHAEL ROSS USA 2008
27.77 MAURIZIO TERSAR ITA 2017
27.80 SHINYA HAYASHI JPN 2018
27.81 ALEXEY KHOVRIN RUS 2015
27.82 MARCIN KACZMAREK POL 2018
27.84 TAKATOSHI NUMATA JPN 2015

100 M. BACK

59.08 MICHAEL ROSS USA 2009
59.26 MAURIZIO TERSAR ITA 2016
59.36 SERKAN ATASAY TUR 2012
59.81 JEFF COMMINGS USA 2014
59.99 SHINYA HAYASHI JPN 2018
1:00.39 OSAMU ITOI JPN 2014
1:00.52 MARCIN KACZMAREK POL 2017
1:00.56 CHRIS STEVENSON USA 2008
1:00.62 EDILSON SILVA BRA 2010
1:00.64 RICH SAEGER USA 2006

200 M. BACK

2:10.46 MAURIZIO TERSAR ITA 2016
2:11.13 FREDERIK HVIID USA 2014
2:12.34 SHINYA HAYASHI JPN 2018
2:12.77 MARK VOGEL DEN 2010
2:12.82 EDUARDO MAROCCO BRA 2012
2:13.31 RENE SAEZ PUR 2014

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# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

2:13.37 SEAN MURPHY USA 2006
2:13.48 CHRIS STEVENSON USA 2008
2:13.87 LARS KALENKA GER 2016
2:14.37 ERIK HOCHSTEIN USA 2009

50 M. BRST

28.84 ALBERTO MONTINI ITA 2009
29.02 JEFF COMMINGS USA 2014
29.16 VLADISLAV BRAGIN RUS 2012
29.29 STEVE WEST USA 2016
29.32 SERGEY FIRICHENKO RUS 2015
29.46 ANDRIY KULYK NCA 2014
29.53 HIDEAKI TOGO JPN 2012
29.56 YOZO FUJII JPN 2009
29.57 NAOTO KUMAGAI JPN 2017
29.61 ALAN PESSOTTI BRA 2014

100 M. BRST

1:03.60 VLADISLAV BRAGIN RUS 2012
1:03.76 STEVE WEST USA 2012
1:05.04 ALBERTO MONTINI ITA 2009
1:05.28 JEFF COMMINGS USA 2014
1:05.97 RICO ROLLI ITA 2009
1:06.15 SERGEY FIRICHENKO RUS 2014
1:06.16 YOZO FUJII JPN 2009
1:06.37 VAL BAGRI USA 2015
1:06.60 MAKOTO ONODERA JPN 2009
1:06.67 HIDEAKI TOGO JPN 2012

200 M. BRST

2:18.94 ALBERTO MONTINI ITA 2009
2:19.01 STEVE WEST USA 2012
2:23.09 VLADISLAV BRAGIN RUS 2012
2:24.19 ROQUE SANTOS USA 2008
2:26.01 STEPHAN PERROT FRA 2017
2:27.22 BEN HARKIN GBR 2018
2:27.35 HIROYUKI KOSAKA JPN 2017
2:27.67 VAL BAGRI USA 2015
2:28.07 MARTIN DE WILDT NED 2017
2:28.25 DAISUKE MIYASAKA JPN 2015

50 M. FLY

25.06 EIJI NOMURA JPN 2015
25.07 SERKAN ATASAY TUR 2011
25.11 JAMES ZENYUH USA 2018
25.51 JOHN BATES AUS 2011
25.54 MASATERU IKEDA JPN 2012
25.57 MICHAEL ROSS USA 2009
25.58 MASATO SAKAI JPN 2015
25.63 PETR GREGOR CZE 2015
25.66 PABLO ABAL ARG 2017
25.72 MARCIN KACZMAREK POL 2018

100 M. FLY

56.17 SERKAN ATASAY TUR 2011
56.43 MICHAEL ROSS USA 2008
56.98 EIJI NOMURA JPN 2015
57.20 S.GHERGHEL ROU 2018
57.22 MATA SANGUINETTY VEN 2015
57.30 PETR GREGOR CZE 2015
57.41 MASATERU IKEDA JPN 2012
57.57 PAUL CARTER USA 2001
57.62 HENRY CLARK USA 2005
57.66 MARCIN KACZMAREK POL 2017
57.66 CLAUS IVERSEN DEN 2017

200 M. FLY

2:05.55 DENNIS BAKER USA 2004
2:09.47 WILLIAM SPECHT USA 1998
2:09.96 CLAUS IVERSEN DEN 2017
2:10.20 MIKE SHAFFER USA 2006
2:10.88 FERNANDO FARRERES ESP 2017
2:11.16 TOSHIYUKI IBE JPN 2010
2:11.21 EIJI NOMURA JPN 2012
2:11.37 KIMITAKA MINOBE JPN 2018
2:11.49 ISAMU TSUZUKI JPN 2014
2:11.53 JAMES BELARDI USA 1997

200 M. I.M.

2:10.63 ALBERTO MONTINI ITA 2009
2:11.31 ANTONINO TRIPPODO ITA 2016
2:12.41 PETER BERMEL GER 2007
2:12.73 UWE VOLK GER 2010
2:13.45 CLAUS IVERSEN DEN 2017
2:13.71 JEFF COMMINGS USA 2016
2:14.13 ERIK HOCHSTEIN USA 2009
2:14.39 LORENZO BENUCCI USA 2007
2:15.10 JENS-PETER BERNDT USA 2004
2:15.33 ERIC CHRISTENSEN USA 2018

400 M. I.M.

4:43.00 UWE VOLK GER 2012
4:43.25 ANTONINO TRIPPODO ITA 2016
4:46.90 A.BORGIALLI ITA 2014
4:47.01 PETER BERMEL GER 2007
4:47.82 ERIC CHRISTENSEN USA 2018
4:48.32 ALBERTO MONTINI ITA 2012
4:49.34 DAVID MECA ESP 2014
4:49.42 DENNIS BAKER USA 2005
4:49.62 DARIUSZ WOLNY POL 2000
4:50.74 GUNTER GOTTFRIED GER 2000

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M E N 45-49
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50 M. FREE

23.98 VLADIMIR PREDKIN RUS 2014
24.03 ISAMU TSUZUKI JPN 2018
24.12 BRIAN JACOBSON USA 2018
24.26 BRENT BARNES JPN 2004
24.29 PAUL SMITH USA 2006
24.34 M.GIALDI ITA 2013
24.40 STEVE WOOD USA 2008
24.50 ANDREA NICOLAO ITA 2009
24.50 ANDE RASMUSSEN USA 2008
24.62 T.HASHIMOTO JPN 2017

100 M. FREE

53.66 VALTER KALAUS HUN 2017
53.77 NICOLAS GRANGER USA 2016
53.77 MARCO COLOMBO ITA 2005
53.90 JACK GROSELLE USA 1999
54.08 MARK THOMPSON AUS 2016
54.10 MATTHEW BIONDI USA 2014
54.15 PAUL SMITH USA 2008
54.16 FREDERIC TONUS BEL 2018
54.22 JAMES MONTGOMERY USA 2002
54.39 VLADIMIR PREDKIN RUS 2014

200 M. FREE

1:57.75 NICOLAS GRANGER FRA 2014
1:57.89 KEITH SWITZER USA 2009
1:59.07 VALTER KALAUS HUN 2017
1:59.34 DENNIS BAKER USA 2009
1:59.37 KAI DITZEL GER 2008
1:59.56 MARCUS MATTIOLI BRA 2006
1:59.60 MARCO COLOMBO ITA 2007
2:00.09 FABIO CALMASINI ITA 2014
2:00.44 MARK THOMPSON AUS 2016
2:00.44 PAUL SMITH USA 2006

400 M. FREE

4:09.20 DENNIS BAKER USA 2008
4:11.07 KEITH SWITZER USA 2009
4:13.86 NICOLAS GRANGER FRA 2012
4:14.81 MARCUS MATTIOLI BRA 2006
4:14.92 FABIO CALMASINI ITA 2014
4:16.20 MICHAEL PRUFERT GER 2009
4:17.21 MARK THOMPSON AUS 2014
4:17.73 GREG STREPPEL CAN 2014
4:17.87 VALTER KALAUS HUN 2017
4:18.78 MICHAEL KLEIBER GER 2009

800 M. FREE

8:40.79 FABIO CALMASINI ITA 2015
8:42.85 MARCUS MATTIOLI BRA 2006
8:50.06 MICHAEL KLEIBER GER 2009
8:51.98 JEFF ERWIN USA 2010
8:52.20 MICHAEL PRUFERT GER 2009
8:57.10 MARK THOMPSON AUS 2014
8:58.50 RICARDO VALDIVIA USA 2009
8:58.84 JIM MCCONICA USA 1999
8:59.81 GREG STREPPEL CAN 2014
9:00.43 PAUL LEMMON AUS 2012

1500 M. FREE

16:38.81 JEFF ERWIN USA 2009
16:57.17 RICARDO VALDIVIA USA 2009
16:58.68 MICHAEL KLEIBER GER 2009
17:10.90 GEORGE TIDMARSH USA 2005
17:11.41 MICHAEL PRUFERT GER 2009
17:12.28 MARCUS MATTIOLI BRA 2008
17:16.00 FABIO CALMASINI ITA 2015
17:16.16 GLAUCO RANGEL BRA 2017
17:23.73 CALUM MCKINLAY GBR 2009
17:26.41 GREG STREPPEL CAN 2015

50 M. BACK

27.67 SERKAN ATASAY TUR 2017
28.05 STEVE WOOD USA 2008
28.14 ANDE RASMUSSEN USA 2008
28.25 FRITZ BEDFORD USA 2011
28.32 J CLAY BRITT USA 2008
28.44 CHRIS STEVENSON USA 2009
28.47 NICOLAS GRANGER FRA 2015
28.49 TOMAS LOPEZ DOM 2018
28.59 EDILSON JUNIOR BRA 2015
28.60 EDUARDO MAROCCO BRA 2014

100 M. BACK

1:00.13 STEVE WOOD USA 2008
1:00.55 CHRIS STEVENSON USA 2009
1:00.97 SERKAN ATASAY TUR 2017
1:01.12 EDUARDO MAROCCO BRA 2014
1:01.40 RICK GOULD USA 2015
1:01.71 NICOLAS GRANGER FRA 2012
1:01.86 LARS KALENKA GER 2018
1:01.94 GREG KAHN GBR 2016
1:02.07 J CLAY BRITT USA 2006
1:02.22 RICH SAEGER USA 2012

200 M. BACK

2:11.56 EDUARDO MAROCCO BRA 2013
2:13.37 RICH SAEGER USA 2012
2:14.32 NICOLAS GRANGER FRA 2015
2:15.14 GREG KAHN GBR 2017
2:15.68 LARS KALENKA GER 2018
2:15.83 CHRIS STEVENSON USA 2011
2:16.06 PAUL LEMMON AUS 2012
2:16.78 TAIHEI SAKA JPN 2009
2:17.13 MARK VOGEL DEN 2015
2:17.37 KURT DICKSON USA 2013

50 M. BRST

29.31 VLADISLAV BRAGIN RUS 2018
29.41 HIDEAKI TOGO JPN 2017
29.51 SERKAN ATASAY TUR 2017
29.61 STEVE WEST USA 2018
29.63 RICO ROLLI ITA 2011
29.70 V.ZAGREBENKO RUS 2009
29.90 JENS LUTSCHIN GER 2009
29.96 YOZO FUJII JPN 2014
29.97 STEFAN SCHERLING SWE 2017
30.02 MICHAEL HODGSON GBR 2016

100 M. BRST

1:05.08 STEVE WEST USA 2018
1:05.30 VLADISLAV BRAGIN CZE 2016
1:05.95 NICOLAS GRANGER FRA 2015
1:06.19 HIDEAKI TOGO JPN 2018
1:06.35 V.PYLYPCHENKO UKR 2009
1:06.67 RICO ROLLI ITA 2010
1:07.38 DAVID GUTHRIE USA 2008
1:07.65 YOZO FUJII JPN 2014

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1:07.71 MAKOTO ONODERA JPN 2014
1:07.74 ALBERTO MONTINI ITA 2016

200 M. BRST
2:19.44 STEVE WEST USA 2018
2:23.64 VLADISLAV BRAGIN RUS 2018
2:24.39 ALBERTO MONTINI ITA 2013
2:24.91 V.PYLYPCHENKO UKR 2009
2:27.76 HIDEAKI TOGO JPN 2018
2:27.79 DAVID GUTHRIE USA 2008
2:30.67 ABRAHAM SOLANO ECU 2014
2:31.97 MAKOTO ONODERA JPN 2014
2:32.03 NICOLAS GRANGER FRA 2016
2:33.26 KEVIN DOHERTY USA 2018

50 M. FLY
25.39 EIJI NOMURA JPN 2018
25.45 ISAMU TSUZUKI JPN 2018
25.48 SERKAN ATASAY TUR 2017
25.65 NICHOLAS DECKER USA 2012
25.77 MASATERU IKEDA JPN 2017
25.90 PAUL SMITH USA 2006
25.96 FREDERIC TONUS BEL 2018
26.03 ANDE RASMUSSEN USA 2008
26.08 JOHN CUNNINGHAM IRL 2017
26.11 V.HAVLICEK CZE 2017

100 M. FLY
56.42 PAUL CARTER USA 2002
57.08 SERKAN ATASAY TUR 2017
57.60 PAUL SMITH USA 2008
58.13 EIJI NOMURA JPN 2018
58.25 NICOLAS GRANGER FRA 2016
58.31 JOHN CUNNINGHAM IRL 2017
58.47 C.LUTOTOVICH ARG 2009
58.50 ISAMU TSUZUKI JPN 2018
58.97 NICHOLAS DECKER USA 2012
59.05 MASATERU IKEDA JPN 2017

200 M. FLY
2:04.07 DENNIS BAKER USA 2008
2:08.34 MARCUS MATTIOLI BRA 2006
2:10.97 PAUL CARTER USA 2002
2:11.02 WILLIAM SPECHT USA 2003
2:13.45 TOSHIYUKI IBE JPN 2015
2:13.69 M.CACCIAMANI ITA 2011
2:13.93 MIKE SHAFFER USA 2014
2:14.96 JIM BELARDI USA 2002
2:15.24 A.LAVEGLIA ITA 2012
2:15.72 FABIO CALMASINI ITA 2014

200 M. I.M.
2:10.09 NICOLAS GRANGER USA 2016
2:14.90 JEROME FRENTSOS USA 2010
2:14.94 DAVID WARREN GBR 2016
2:15.07 ALBERTO MONTINI ITA 2014
2:16.12 DENNIS BAKER USA 2006
2:16.21 SERGEY MARINIUK USA 2014
2:16.32 TAIHEI SAKA JPN 2009
2:16.42 STEVE WEST USA 2018
2:16.83 LORENZO BENUCCI USA 2014
2:17.04 PAUL LEMMON AUS 2012

400 M. I.M.
4:43.83 NICOLAS GRANGER FRA 2014
4:47.65 JEROME FRENTSOS USA 2010
4:48.36 ALBERTO MONTINI ITA 2014
4:50.27 MARCUS MATTIOLI BRA 2008
4:50.73 DENNIS BAKER USA 2006
4:55.26 SERGEY MARINIUK USA 2014
4:55.65 FABIO CALMASINI ITA 2014
4:55.83 TAIHEI SAKA JPN 2010
4:56.57 GREG STREPPEL CAN 2014
4:56.92 PAUL LEMMON AUS 2012

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M E N 50-54
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50 M. FREE
24.08 BRENT BARNES JPN 2009
24.34 CALVIN MAUGHAN RSA 2015
24.58 ROWDY GAINES USA 2009
24.60 RICHARD ABRAHAMS USA 1998
24.81 MICHAEL HODGSON GBR 2017
24.88 RICK ABBOTT USA 2008
24.89 JACK GROSELLE USA 2004
24.91 HARALD KRUGER RSA 2017
24.94 TRIP HEDRICK USA 2006
24.97 STEVE HILTABIDDLE USA 2018

100 M. FREE
54.15 NICOLAS GRANGER FRA 2017
54.36 CALVIN MAUGHAN RSA 2015
54.61 ROWDY GAINES JPN 2011
54.93 JACK GROSELLE USA 2004
54.94 BOB BUGG USA 2009
55.11 DAN STEPHENSON USA 2007
55.13 RICK ABBOTT USA 2008
55.38 TRIP HEDRICK USA 2006
55.42 PAUL SMITH USA 2009
55.49 STEVE WOOD USA 2012

200 M. FREE
1:58.62 NICOLAS GRANGER FRA 2017
2:00.34 DAN STEPHENSON USA 2007
2:01.40 BOB BUGG USA 2009
2:02.14 MARCUS MATTIOLI BRA 2012
2:02.16 KEITH SWITZER USA 2013
2:02.50 JIM MCCONICA USA 2000
2:03.07 DINO SCHORN ITA 2018
2:03.31 RICH SAEGER USA 2015
2:03.51 ROWDY GAINES JPN 2010
2:03.66 JACK GROSELLE USA 2004

400 M. FREE
4:15.93 NICOLAS GRANGER USA 2017
4:16.61 DAN STEPHENSON USA 2007
4:18.03 RICARDO VALDIVIA USA 2014
4:19.05 MARCUS MATTIOLI BRA 2014
4:19.47 JIM MCCONICA USA 2000
4:20.71 BOB BUGG USA 2009
4:21.80 DINO SCHORN ITA 2018
4:22.79 JOSEPH RHYNE USA 2009
4:23.31 FABIO CALMASINI ITA 2018
4:24.31 DANIEL MACHEK CZE 2009

800 M. FREE
8:49.22 FABIO CALMASINI ITA 2018
8:55.05 MARCUS MATTIOLI BRA 2010
8:56.31 RICARDO VALDIVIA USA 2014
9:00.39 KEITH SWITZER USA 2013
9:03.84 JIM MC CONICA USA 2001
9:05.29 DINO SCHORN ITA 2018
9:06.61 DAN STEPHENSON USA 2007
9:09.69 BRENT FOSTER NZL 2018
9:11.16 MICHAEL KLEIBER GER 2013
9:11.84 BOB BUGG USA 2009

1500 M. FREE
17:08.33 JIM MCCONICA USA 2000
17:18.59 BRENT FOSTER NZL 2018
17:33.87 MICHAEL KLEIBER GER 2014
17:34.04 MARCUS MATTIOLI BRA 2011
17:35.40 DINO SCHORN ITA 2018
17:39.99 KURT DICKSON USA 2017
17:40.70 MARK DRENNEN USA 2006
17:44.07 ARNALDO PEREZ PUR 2015
17:47.18 IACOVO LUCA DI ITA 2018
17:50.94 BARTON WELLS USA 2017

50 M. BACK
28.02 MARCUS MATTIOLI BRA 2013
28.58 RICK GOULD USA 2018
28.60 STEVE WOOD USA 2011
28.64 NICOLAS GRANGER FRA 2017
28.77 CLAY BRITT USA 2014
28.84 FRITZ BEDFORD USA 2014
29.02 CRAIG NORREY SUI 2014
29.16 HIROYOSHI MAETOGE JPN 2015
29.39 BRYAN JENNINGS USA 2013
29.43 JAMIE FOWLER USA 2009

100 M. BACK
1:01.57 NICOLAS GRANGER USA 2017
1:01.89 STEVE WOOD USA 2011
1:02.17 RICK GOULD USA 2018
1:02.77 CLAY BRITT USA 2014
1:02.93 JAMIE FOWLER USA 2009
1:03.44 MINAKOVS VALERIJS LAT 2010
1:03.48 HIROYOSHI MAETOGE JPN 2015
1:03.50 FRITZ BEDFORD USA 2014
1:03.71 CHRIS STEVENSON USA 2014
1:03.74 NICOLAS PAPE BEL 2018

200 M. BACK
2:14.53 NICOLAS GRANGER USA 2017
2:16.79 RICK GOULD USA 2018
2:16.79 LUCA VIGNERI ITA 2017
2:17.57 MICHAEL SODERLUND USA 2012
2:17.74 JAMIE FOWLER USA 2009
2:19.35 KURT DICKSON USA 2017
2:20.04 MATTHEW NANCE USA 2015
2:20.51 TOM WOLF USA 2004
2:20.53 BRYAN JENNINGS USA 2013
2:20.77 DARRYL FOLLOWS NZL 2018

50 M. BRST
30.26 MICHAEL HODGSON GBR 2017
30.48 DAVID GUTHRIE USA 2013
30.56 MAKOTO ONODERA JPN 2017
30.79 FABIO CAVALLI ITA 2018
30.85 CARLO TRAVAINI ITA 2017
30.88 RICHARD SCHROEDER USA 2012
30.92 RICO ROLLI ITA 2016
30.93 S.TAKAHASHI JPN 2015
30.97 OLIVIER BORIOS FRA 2009
30.97 GARY PATTERSON USA 2009

100 M. BRST
1:06.98 DAVID GUTHRIE USA 2014
1:07.85 MICHAEL HODGSON GBR 2017
1:08.00 NICOLAS GRANGER FRA 2017
1:08.66 CARLO TRAVAINI ITA 2017
1:09.23 RICHARD SCHROEDER USA 2012
1:09.35 HAJIME MORIMOTO JPN 2018
1:09.36 GARY PATTERSON USA 2009
1:09.57 JIM TUCHLER USA 2015
1:09.85 MAKOTO ONODERA JPN 2017
1:09.85 S.TAKAHASHI JPN 2015

200 M. BRST
2:27.91 DAVID GUTHRIE USA 2013
2:31.16 ALBERTO MONTINI ITA 2018
2:32.55 CARLO TRAVAINI ITA 2017
2:33.14 NICOLAS GRANGER FRA 2018
2:33.54 V.PYLYPCHENKO UKR 2014
2:34.55 HAJIME MORIMOTO JPN 2018
2:34.58 MICHAEL HODGSON GBR 2017
2:34.62 JIM TUCHLER USA 2015
2:34.70 TIMUR PODMAREV RUS 2007
2:35.08 LORENZO MARUGO ITA 2004

50 M. FLY
25.88 PAUL CARTER USA 2008
26.11 STEVE HILTABIDDLE USA 2018
26.23 TRIP HEDRICK USA 2004
26.54 HIROSHI MIURA JPN 2018
26.56 MICHAEL HODGSON GBR 2017
26.56 PAUL SMITH USA 2009
26.80 RAMON VOLCAN VEN 2009
26.83 RICK ABBOTT USA 2008
26.89 FRITZ BEDFORD USA 2014
26.90 TOMMY RUNDGREN FIN 2018

100 M. FLY

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57.23 PAUL CARTER USA 2008
59.49 TRIP HEDRICK USA 2004
59.67 HUGO BREGMAN NED 2009
59.87 MARCUS MATTIOLI BRA 2010
59.96 NICOLAS GRANGER FRA 2018
1:00.00 STEVE HILTABIDDLE USA 2017
1:00.04 MARK WELDON NZL 2017
1:00.55 WILLIAM SPECHT USA 2009
1:00.66 MAURO CAPPELLETTI ITA 2015
1:00.79 STEVEN UNRUH USA 2017

200 M. FLY
2:13.39 MARCUS MATTIOLI BRA 2010
2:13.80 DENNIS BAKER USA 2011
2:14.63 MAURO CAPPELLETTI ITA 2015
2:15.06 HUGO BREGMAN NED 2009
2:16.38 MIKE SHAFFER USA 2015
2:17.83 DAVID SIMS USA 2016
2:18.57 PAUL CARTER USA 2008
2:19.16 FRANCIS CHRISTIAN AUS 2008
2:19.35 JOSEPH RHYNE USA 2009
2:20.46 WILLIAM SPECHT USA 2009

200 M. I.M.
2:11.15 NICOLAS GRANGER USA 2017
2:18.05 JAMIE FOWLER USA 2009
2:19.45 DARREN PHELAN USA 2013
2:19.79 MARCUS MATTIOLI BRA 2010
2:20.02 MICHAEL MANN USA 2008
2:20.48 JEROME FRENTSOS USA 2015
2:20.60 TAIHEI SAKA JPN 2015
2:20.97 LUCA VIGNERI ITA 2017
2:20.99 KEN SHILLING USA 2008
2:21.53 GIAN LUCA SONDALI ITA 2016

400 M. I.M.
4:45.61 NICOLAS GRANGER USA 2017
4:53.69 MARCUS MATTIOLI BRA 2010
4:56.71 RICARDO VALDIVIA USA 2014
4:57.93 DARREN PHELAN USA 2013
5:02.51 DENNIS BAKER USA 2013
5:02.75 BRENT FOSTER NZL 2018
5:03.27 LORENZO MARUGO ITA 2004
5:03.76 DJAN MADRUGA BRA 2010
5:04.32 JAMIE FOWLER USA 2009
5:05.03 PAUL LEMMON AUS 2018

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M E N 55-59
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50 M. FREE
24.45 BRENT BARNES JPN 2015
25.01 JACK GROSELLE USA 2009
25.31 MIKE TENNANT USA 2008
25.42 DAVID SIMS USA 2017
25.51 STEVE WOOD USA 2016
25.53 RICHARD ABRAHAMS USA 2002
25.54 AHMET NAKKAS TUR 2017
25.59 DOUG MARTIN USA 2009
25.74 PAUL TREVISAN USA 2006
25.86 GREGORY HARRIS USA 2018

100 M. FREE
56.08 JACK GROSELLE USA 2009
56.15 AHMET NAKKAS TUR 2018
56.33 DAVID SIMS USA 2017
56.51 L.GOMEZ-GUILLAMON ESP 2016
56.91 STEVE WOOD USA 2016
56.96 DAVID BOATWRIGHT USA 2017
57.07 JURI LOGVIN FIN 2017
57.08 MICHAEL MANN USA 2009
57.34 BRETT WOODS AUS 2017
57.42 GREGORY HARRIS USA 2018

200 M. FREE
2:04.01 MICHAEL MANN USA 2009
2:04.02 MARCUS MATTIOLI BRA 2015
2:04.86 AHMET NAKKAS TUR 2017
2:05.21 DAVID SIMS USA 2017
2:05.82 JACK GROSELLE USA 2009
2:05.88 DAVID BOATWRIGHT USA 2016
2:06.26 DAN STEPHENSON USA 2012
2:06.88 TONY ANDERSON USA 2018
2:08.03 JIM MC CONICA USA 2005
2:08.40 BOB BUGG USA 2012

400 M. FREE
4:22.49 MICHAEL MANN USA 2009
4:25.34 JIM MC CONICA USA 2005
4:25.65 MARCUS MATTIOLI BRA 2015
4:27.52 TONY ANDERSON USA 2018
4:29.58 ARNALDO PEREZ PUR 2018
4:32.87 DAN STEPHENSON USA 2012
4:33.42 STEVE PRESCOTT NZL 2009
4:34.69 JOSE FREITAS POR 2018
4:36.39 PAUL BLACKBEARD AUS 2016
4:36.52 MARK REYNOLDS GBR 2018

800 M. FREE
9:00.09 MICHAEL MANN USA 2009
9:06.86 JIM MCCONICA USA 2006
9:14.62 ARNALDO PEREZ PUR 2017
9:22.02 STEVE PRESCOTT NZL 2009
9:23.23 JOSE FREITAS POR 2018
9:23.61 TONY ANDERSON USA 2018
9:29.19 K.DELLBRUGGE GER 2017
9:32.37 DAN STEPHENSON USA 2013
9:35.87 TODD BRYAN USA 2006
9:37.39 CRAIG PETERSEN USA 2015

1500 M. FREE
17:22.61 MICHAEL MANN USA 2009
17:40.10 JIM MC CONICA USA 2005
17:57.13 ARNALDO PEREZ PUR 2017
18:05.10 JOSE FREITAS POR 2018
18:17.12 MICHAEL KLEIBER GER 2018
18:19.49 STEVE PRESCOTT NZL 2009
18:19.50 K.DELLBRUGGE GER 2017
18:21.59 MARC JOUANDON FRA 2012
18:27.25 SCOTT SHAKE USA 2013
18:31.80 BRUCE THOMAS USA 2015

50 M. BACK
29.01 CARLOS SILVA BRA 2013
29.03 STEVE WOOD USA 2016
29.97 CLAY BRITT USA 2017
30.01 TOM BARTON USA 2011
30.02 CRAIG NORREY SUI 2016
30.06 GLENN PATCHING USA 2015
30.09 GARY HALL USA 2009
30.21 MARCO COLOMBO ITA 2016
30.48 ANDRE STEYNBERG RSA 2012
30.56 VLADIMIR OSIPOV UKR 2013

100 M. BACK
1:03.50 STEVE WOOD USA 2015
1:05.46 TOM BARTON USA 2011
1:05.80 CLAY BRITT USA 2018
1:06.14 GARY HALL USA 2009
1:06.47 GLENN PATCHING USA 2016
1:06.83 LEN GUSHE CAN 2018
1:06.99 FRANCESCO PETTINI ITA 2018
1:07.03 CRAIG NORREY SUI 2016
1:07.27 JONATHAN KLEIN USA 2014
1:07.29 TIMOTHY SHEAD RSA 2008

200 M. BACK
2:22.68 CRAIG PETERSEN USA 2015
2:23.84 TOM BARTON USA 2011
2:25.89 JIM MC CONICA USA 2005
2:26.23 LEN GUSHE CAN 2018
2:26.32 Z.JANUSZKIEWICZ POL 2018
2:26.58 JIM SAUER USA 2014
2:27.27 A.BONANNI ITA 2016
2:27.32 STEVE WOOD USA 2016
2:27.49 FRED FERROGGIARO USA 2008
2:27.57 ARNALDO PEREZ PUR 2018

50 M. BRST
30.51 CARLO TRAVAINI ITA 2018
30.56 DAVID GUTHRIE USA 2017
31.05 WALTER KUSCH GER 2009
31.95 S.TAKAHASHI JPN 2018
31.95 MICHAEL AUBREY USA 2017
32.07 TIMOTHY SHEAD RSA 2008
32.16 DAVID MILBURN GBR 2017
32.23 GLEN CHRISTIANSEN SWE 2012
32.32 IGOR MEDVEDIEV UKR 2017
32.43 LARRY GOLDEN USA 2015

100 M. BRST
1:07.95 CARLO TRAVAINI ITA 2018
1:07.97 DAVID GUTHRIE USA 2015
1:10.84 GREGORY HARRIS USA 2018
1:11.13 TIMOTHY SHEAD RSA 2008
1:11.70 S.TAKAHASHI JPN 2017
1:12.15 TIMUR PODMARYOV RUS 2015
1:12.35 IGOR MEDVEDIEV UKR 2017
1:12.64 THOMAS LIGL GER 2016
1:12.85 WALTER KUSCH GER 2009
1:12.87 G.HOFFMANN USA 2011

200 M. BRST
2:30.63 DAVID GUTHRIE USA 2016
2:30.67 CARLO TRAVAINI ITA 2018
2:38.66 RICK COLELLA USA 2008
2:39.28 TIMUR PODMARYOV RUS 2012
2:41.54 TIMOTHY SHEAD RSA 2008
2:42.40 PATRICK ALLENDER USA 2013
2:42.52 DAVID MILBURN GBR 2017
2:42.88 G.HOFFMANN USA 2011
2:43.47 THOMAS LIGL GER 2016
2:43.49 SERGEY MOLODIN RUS 2017

50 M. FLY
26.86 GARY HALL USA 2009
27.08 GREG SHAW USA 2007
27.26 DAN THOMPSON CAN 2014
27.31 STEVE WOOD USA 2016
27.31 PAUL CARTER USA 2012
27.37 DAVID SIMS USA 2017
27.43 RICHARD ABRAHAMS USA 2002
27.47 HUGO BREGMAN NED 2013
27.49 DAVID HAGUE USA 2009
27.52 BRUCE KONE USA 2015

100 M. FLY
1:00.56 PAUL CARTER USA 2012
1:01.05 GREG SHAW USA 2006
1:01.13 DAVID SIMS USA 2017
1:01.29 HUGO BREGMAN NED 2013
1:01.31 MARCUS MATTIOLI BRA 2015
1:01.83 BRAD HORNER USA 2009
1:01.97 DAN THOMPSON CAN 2014
1:02.23 STEVE WOOD USA 2016
1:02.70 C.LUTOTOVICH ARG 2018
1:03.03 JIM SAUER USA 2014

200 M. FLY
2:16.78 MARCUS MATTIOLI BRA 2015
2:18.37 DAVID SIMS USA 2017
2:18.97 BRAD HORNER USA 2009
2:19.18 HUGO BREGMAN NED 2013
2:23.30 ARNALDO PEREZ PUR 2018
2:25.35 GREG SHAW USA 2006
2:25.52 JIM SAUER USA 2014
2:26.37 SCOTT LAUTMAN USA 2008
2:26.53 MIKE LAMONICA USA 2017
2:26.76 PAUL BLACKBEARD AUS 2013

200 M. I.M.
2:20.83 MICHAEL MANN USA 2009
2:22.50 JIM SAUER USA 2014
2:22.98 AHMET NAKKAS TUR 2018

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2:24.12 RICK COLELLA USA 2008
2:24.16 TIMOTHY SHEAD RSA 2008
2:24.65 MARCUS MATTIOLI BRA 2015
2:25.33 CARLO TRAVAINI ITA 2018
2:25.49 HUGO BREGMAN NED 2013
2:26.31 GREGORY HARRIS USA 2018
2:26.80 LEN GUSHE CAN 2018
400 M. I.M.
5:01.81 MARCUS MATTIOLI BRA 2015
5:04.07 MICHAEL MANN USA 2009
5:07.81 JIM SAUER USA 2014
5:12.69 LEN GUSHE CAN 2018
5:13.11 ARNALDO PEREZ PUR 2018
5:17.10 JIM MC CONICA USA 2005
5:18.67 CARLO TRAVAINI ITA 2018
5:19.49 DJAN MADRUGA BRA 2014
5:22.27 HUGO BREGMAN NED 2015
5:24.00 SERGEY MOLODIN RUS 2015

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M E N 60-64
**********
50 M. FREE
25.23 RICHARD ABRAHAMS USA 2006
25.63 DOUG MARTIN USA 2015
25.85 VINCENZO DE SIO ITA 2008
25.92 BRENT BARNES SGP 2018
26.00 ALEXEY MARKOVSKIY RUS 2017
26.31 ANDRE STEYNBERG RSA 2016
26.35 JACK GROSELLE USA 2014
26.35 PAUL TREVISAN USA 2013
26.41 JAMES RITTER USA 2017
26.48 TRIP HEDRICK USA 2017
100 M. FREE
57.79 JACK GROSELLE USA 2014
57.94 JAMES RITTER USA 2017
58.06 DAN STEPHENSON USA 2017
58.25 TRIP HEDRICK USA 2017
58.61 RICHARD ABRAHAMS USA 2005
59.04 RICK COLELLA USA 2014
59.57 DOUG MARTIN USA 2014
59.60 BRUCE WILLIAMS USA 2014
59.66 RICK ABBOTT USA 2017
59.66 JAMES DE LACY USA 2006
200 M. FREE
2:07.68 DAN STEPHENSON USA 2017
2:08.19 JAMES RITTER USA 2017
2:09.24 JACK GROSELLE USA 2014
2:12.32 JOHN FIELDS USA 2016
2:12.57 JIM MC CONICA USA 2010
2:12.69 FRED SCHLICHER USA 2008
2:13.32 JAMES DE LACY USA 2006
2:13.47 MARTEN DE GROOT NED 2018
2:13.94 GRAHAM CROFT AUS 2008
2:14.52 LARRY KRAUSER USA 2013
400 M. FREE
4:36.85 DAN STEPHENSON USA 2017
4:36.89 ANDREW BRAY USA 2018
4:37.43 DJAN MADRUGA BRA 2018
4:37.58 JAMES RITTER USA 2017
4:40.00 JIM MC CONICA USA 2012
4:42.94 JACK GROSELLE USA 2014
4:43.37 ALESSANDRO MARCO ITA 2016
4:46.04 SERGE GUERIN FRA 2016
4:46.99 MARTEN DE GROOT NED 2018
4:48.25 GRAHAM CROFT AUS 2008
800 M. FREE
9:29.70 ANDREW BRAY USA 2018
9:35.50 JIM MC CONICA USA 2012
9:39.23 ALESSANDRO MARCO ITA 2016
9:43.22 DJAN MADRUGA BRA 2018
9:48.47 STEVEN PRESCOTT NZL 2014
9:49.31 DAN STEPHENSON USA 2017
9:49.45 JAMES RITTER USA 2016
9:55.71 LORENZO MARUGO ITA 2012
9:59.00 MARCO BRAVI ITA 2018
9:59.76 JIM CALLAHAN USA 2017
1500 M. FREE
18:01.45 ANDREW BRAY USA 2018
18:12.09 JIM MC CONICA USA 2010
19:01.10 A.MARCO ITA 2017
19:01.70 SCOTT TOWNSEND USA 2013
19:06.93 M.CAFFERY USA 2013
19:07.93 GEORGE WENDT USA 2008
19:11.31 JAMES RITTER USA 2016
19:12.16 MARTEN DE GROOT NED 2018
19:12.82 BILL BRACKETT USA 2018
19:16.50 BEN VAN DYKE NZL 2010
50 M. BACK
30.63 ANDRE STEYNBERG USA 2018
31.46 HUGH WILDER USA 2007
31.50 VLADIMIR GORKOV RUS 2017
31.56 TOM BARTON USA 2016
31.62 JONATHAN KLEIN USA 2018
31.71 DONALD GRAHAM USA 2014
31.77 MARC MIDDLETON USA 2011
31.88 BRUCE WILLIAMS USA 2015
32.01 PHILIPP DJANG USA 2014
32.11 RICHARD BURNS USA 2003
100 M. BACK
1:07.08 VLADIMIR GORKOV RUS 2017
1:07.85 TOM BARTON USA 2016
1:08.10 JONATHAN KLEIN USA 2018
1:08.77 HUGH WILDER USA 2007
1:08.86 ANDRE STEYNBERG RSA 2016
1:08.97 DJAN MADRUGA BRA 2018
1:10.00 MARIO LLORET ESP 2017
1:10.45 BRUCE WILLIAMS USA 2013
1:10.47 IGOR KRAVKOV ISR 2018
1:10.90 PHILIPP DJANG USA 2014
200 M. BACK
2:28.37 DJAN MADRUGA BRA 2018
2:28.37 TOM BARTON USA 2016
2:29.05 JIM SAUER USA 2017
2:29.29 VLADIMIR GORKOV RUS 2018
2:30.95 DAN STEPHENSON USA 2018
2:32.61 JONATHAN KLEIN USA 2018
2:33.09 FRED FERROGGIARO USA 2013
2:33.94 JIM MC CONICA USA 2012
2:34.00 TIMOTHY SHEAD RSA 2012
2:34.51 SCOTT SHAKE USA 2018
50 M. BRST
32.80 STUART ELLICOTT AUS 2012
32.87 TIMOTHY SHEAD USA 2012
33.00 GREGORY OXLEY USA 2018
33.09 RICHARD NEVILLE USA 2016
33.41 ROBERT STRAND USA 2008
33.67 WALTER KUSCH GER 2015
33.71 RICK COLELLA USA 2014
33.87 TIMUR PODMARYOV RUS 2017
33.89 NEAL VESTAL USA 2014
33.98 KENJI NAKAMURA JPN 2017
100 M. BRST
1:13.38 RICK COLELLA USA 2013
1:13.97 TIMUR PODMARYOV RUS 2017
1:14.14 TIMOTHY SHEAD USA 2012
1:15.25 GREGORY OXLEY USA 2018
1:15.42 ROBERT STRAND USA 2008
1:15.50 STUART ELLICOTT AUS 2012
1:16.37 JACK GROSELLE USA 2014
1:16.53 TOSHIHARU FUJII JPN 2010
1:16.83 ALLEN STARK USA 2009
1:17.03 PETER KAUCH GER 2017
200 M. BRST
2:40.46 RICK COLELLA USA 2014
2:45.53 TIMUR PODMARYOV RUS 2017
2:45.67 LORENZO MARUGO ITA 2012
2:45.71 TIMOTHY SHEAD USA 2012
2:50.44 ALLEN STARK USA 2011
2:50.77 PETER KAUCH GER 2017
2:50.77 ROBERT STRAND USA 2008
2:50.83 GREGORY OXLEY USA 2018
2:51.07 ROBERT WRIGHT USA 2011
2:51.68 RALPH SCHALLON SUI 2014
50 M. FLY
27.65 HUGO BREGMAN NED 2018
27.85 TRIP HEDRICK USA 2017
27.91 ALEXEY MARKOVSKIY RUS 2017
27.92 RICHARD ABRAHAMS USA 2005
28.14 DONALD GRAHAM USA 2014
28.22 JOHN FIELDS USA 2017
28.36 DAN THOMPSON CAN 2018
28.37 PAUL CARTER USA 2017
28.45 ANDRE STEYNBERG USA 2018
28.45 DOUG MARTIN USA 2015
100 M. FLY
1:02.00 HUGO BREGMAN NED 2018
1:03.03 RICHARD ABRAHAMS USA 2005
1:03.98 FRED SCHLICHER USA 2008
1:04.43 PATRICK MURTAGH USA 2017
1:04.74 JIM SAUER USA 2017
1:05.78 ANDRE STEYNBERG RSA 2016
1:05.82 LAWRENCE DAY USA 2011
1:06.02 BRIAN PATNO USA 2016
1:06.03 KEVIN MCCORMACK USA 2013
1:06.25 DONALD GRAHAM USA 2016
200 M. FLY
2:23.52 HUGO BREGMAN NED 2018
2:29.05 LAWRENCE DAY USA 2011
2:30.61 JIM SAUER USA 2017
2:31.58 FRED SCHLICHER USA 2008
2:33.13 GREG SANCHEZ USA 2018
2:33.72 ROBERT POILETMAN USA 2003
2:35.33 SCOTT LAUTMAN USA 2012
2:35.60 KAZUHIRO OTSUKA JPN 2018
2:36.13 MICHAEL NORBERG USA 2017
2:38.51 JAMES RITTER USA 2017
200 M. I.M.
2:21.99 RICK COLELLA USA 2014
2:30.05 TIMOTHY SHEAD USA 2012
2:30.72 FRED SCHLICHER USA 2008
2:30.91 JIM SAUER USA 2017
2:31.35 HUGO BREGMAN NED 2018
2:32.63 TIM BRODERICK USA 2011
2:32.65 LAWRENCE DAY USA 2011
2:34.07 JACK GROSELLE USA 2016
2:34.23 ROBERT WEYHENKE NED 2012
2:34.50 JAMES RITTER USA 2016
400 M. I.M.
5:08.20 RICK COLELLA USA 2014
5:27.75 JIM SAUER USA 2017
5:28.25 LAWRENCE DAY USA 2011
5:29.55 LORENZO MARUGO ITA 2012
5:30.46 TIMOTHY SHEAD USA 2012
5:30.99 FRED SCHLICHER USA 2008
5:32.08 JAMES RITTER USA 2016
5:36.75 STEVEN PRESCOTT NZL 2014
5:37.64 JIM CLEMMONS USA 2010
5:37.98 R.KANNEGIESER USA 2018

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M E N 65-69
**********
50 M. FREE
26.21 DOUG MARTIN USA 2018
26.33 RICHARD ABRAHAMS USA 2010

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# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

27.04 BRUCE WILLIAMS USA 2018
27.15 JEFF FARRELL USA 2002
27.31 VINUS VAN BAALEN USA 2007
27.37 KEEFE LODWIG USA 2008
27.38 TATE HOLT USA 2016
27.46 MARC MIDDLETON USA 2016
27.50 IAN SMITH CAN 2009
27.57 LEONARD BIELICZ SWE 2017

100 M. FREE

1:00.38 RICHARD ABRAHAMS USA 2010
1:01.05 DAVID QUIGGIN USA 2009
1:01.16 BRUCE WILLIAMS USA 2018
1:01.30 KEEFE LODWIG USA 2009
1:01.69 TATE HOLT USA 2016
1:02.23 JAMES THORNTON USA 2017
1:02.33 LEE CHILDS USA 2013
1:02.62 TOM LANDIS USA 2008
1:02.79 GERHARD SCHILLER GER 2015
1:02.79 JEFF FARRELL USA 2002

200 M. FREE

2:09.39 RICK COLELLA USA 2017
2:18.51 TIM BRODERICK USA 2016
2:18.53 TOM LANDIS USA 2008
2:20.29 JAMES THORNTON USA 2017
2:20.37 DAVID QUIGGIN USA 2009
2:20.44 LARRY KRAUSER USA 2018
2:21.48 CARL WATERER CAN 2016
2:21.74 ROBERTO ALBERICHE ESP 1996
2:22.04 GLENN GRUBER USA 2014
2:22.13 ABED OUADAH FRA 2017

400 M. FREE

4:37.70 RICK COLELLA USA 2017
4:54.35 DICK WORREL USA 2018
4:56.47 JIM MC CONICA USA 2015
4:58.22 JAMES THORNTON USA 2017
4:58.71 RICK WALKER USA 2015
5:00.26 TOM LANDIS USA 2007
5:01.81 FABRIZIO MOMONI ITA 2003
5:03.23 PATRICK MOREAU FRA 2017
5:03.36 GRAHAM JOHNSTON USA 1996
5:03.77 CHRIS DUNN GBR 2011

800 M. FREE

10:11.30 JIM MC CONICA USA 2015
10:23.39 PATRICK MOREAU FRA 2017
10:24.48 RICK WALKER USA 2015
10:25.94 TOM LANDIS USA 2007
10:26.60 FABRIZIO MOMONI ITA 2003
10:28.94 JAMES THORNTON USA 2017
10:29.26 GRAHAM JOHNSTON USA 1997
10:31.70 FRED FERROGGIARO USA 2018
10:32.42 LARRY KRAUSER USA 2018
10:34.57 J-C.CHATARD FRA 2016

1500 M. FREE

19:33.36 JIM MC CONICA USA 2015
19:41.58 DICK WORREL USA 2018
19:52.62 RICK WALKER USA 2015
19:59.75 PATRICK MOREAU FRA 2017
20:00.97 TOM LANDIS USA 2008
20:04.28 GEORGE WENDT USA 2012
20:08.74 FABRIZIO MOMONI ITA 2004
20:16.54 GRAHAM JOHNSTON USA 1996
20:23.74 CHRIS DUNN GBR 2012
20:27.72 VICTOR PAUL AUS 2009

50 M. BACK

30.95 HUGH WILDER USA 2012
32.19 RICHARD BURNS USA 2009
32.23 BRUCE WILLIAMS USA 2018
32.94 GEOFF MYKLEBY USA 2018
33.04 MARC MIDDLETON USA 2016
33.24 TAKEO HIRAMOTO JPN 2017
33.50 BERND HORSTMANN GER 2008
33.54 YOSHI OYAKAWA USA 1999
33.55 NAGAHAMA SYUNJI JPN 2018
33.58 VINUS VAN BAALEN USA 2007

100 M. BACK

1:09.79 HUGH WILDER USA 2012
1:11.32 RICHARD BURNS USA 2009
1:12.19 BRUCE WILLIAMS USA 2018
1:12.57 TIM SHEAD RSA 2017
1:13.67 GEOFF MYKLEBY USA 2018
1:13.82 BERND HORSTMANN GER 2009
1:13.96 FRED FERROGGIARO USA 2018
1:14.71 RICHARD BOBER USA 2017
1:14.96 JOZSEF CSIKANY HUN 2009
1:15.40 MIKE FOSKETT GBR 2017

200 M. BACK

2:37.16 LAWRENCE DAY USA 2018
2:39.44 FRED FERROGGIARO USA 2018
2:39.69 TIM SHEAD RSA 2017
2:40.95 BERND HORSTMANN GER 2008
2:41.76 RICHARD BURNS USA 2009
2:42.96 JOZSEF CSIKANY HUN 2008
2:44.37 HUGH WILDER USA 2012
2:44.88 MIROSLAW WARCHOL POL 2018
2:45.32 PATRICK MOREAU FRA 2017
2:48.25 JOSE LORO BRA 2017

50 M. BRST

33.30 RICK COLELLA USA 2016
33.69 STUART ELLICOTT AUS 2017
34.30 TIMOTHY SHEAD RSA 2018
34.61 OSAMU MAEDA JPN 2009
34.66 ROBERT STRAND USA 2012
34.69 C.STARZEC FRA 2015
34.80 ROBERT WRIGHT USA 2016
35.00 KENNETH FROST USA 2009
35.30 JIM DRAGON USA 2009
35.35 TOSHIHARU FUJII JPN 2015

100 M. BRST

1:14.77 RICK COLELLA USA 2017
1:17.52 TIM SHEAD RSA 2017
1:18.11 STUART ELLICOTT AUS 2017
1:18.11 KENNETH FROST USA 2009
1:18.49 C.STARZEC FRA 2015
1:18.87 ROBERT STRAND USA 2012
1:19.16 ROBERT WRIGHT USA 2015
1:19.69 TOSHIHARU FUJII JPN 2016
1:19.88 ALLEN STARK USA 2014
1:19.89 DAVID GILDEA USA 2009

200 M. BRST

2:41.54 RICK COLELLA USA 2016
2:56.96 ALLEN STARK USA 2014
2:58.10 ROBERT WRIGHT USA 2015
2:58.13 ROBERT STRAND USA 2012
2:58.34 TOSHIHARU FUJII JPN 2015
2:59.11 TIMOTHY SHEAD RSA 2017
2:59.54 KENNETH FROST USA 2009
2:59.99 GERSHON SHEFA ISR 2008
3:00.17 STUART ELLICOTT AUS 2017
3:00.88 JIM CLEMMONS USA 2015

50 M. FLY

28.54 JOSEP CLARET ESP 2009
28.68 KEEFE LODWIG USA 2008
28.69 JIM DRAGON USA 2009
28.85 DOUG MARTIN USA 2018
29.24 MARC MIDDLETON USA 2016
29.25 RICHARD ABRAHAMS USA 2010
29.91 KEVIN MCCORMACK USA 2018
29.99 KAZUYA IRIE JPN 2018
30.09 DAN GOLDEN IRL 2017
30.13 ROBERT OLSON USA 2009

100 M. FLY

1:05.83 RICK COLELLA USA 2017
1:06.53 LAWRENCE DAY USA 2016
1:07.34 RICHARD ABRAHAMS USA 2010
1:07.78 JOSEP CLARET ESP 2009
1:09.60 ROBERT POILETMAN USA 2009
1:09.98 FRED BAIRD USA 2013
1:10.12 TAKEO HIRAMOTO JPN 2015
1:10.22 BORIS RUZHITSKIY RUS 2009
1:10.29 JACK GOODING USA 2018
1:10.44 LEONARD BIELICZ SWE 2016

200 M. FLY

2:33.40 LAWRENCE DAY USA 2016
2:35.36 RICK COLELLA USA 2017
2:41.92 TAKEO HIRAMOTO JPN 2015
2:47.11 PHIL DODSON USA 2018
2:47.48 MARK MODJESKA USA 2018
2:47.60 DEREK PARR GBR 2009
2:49.73 JOEL WILSON USA 2015
2:50.18 ROBERT POILETMAN USA 2009
2:50.38 HUBIE KERNS USA 2014
2:51.07 BARRY YOUNG NZL 2004

200 M. I.M.

2:25.22 RICK COLELLA USA 2016
2:35.93 TIM SHEAD RSA 2017
2:39.23 HUBIE KERNS USA 2014
2:41.20 ALEK SHESTAKOV USA 2014
2:41.77 PATRICK MOREAU FRA 2018
2:43.37 RICHARD BURNS USA 2009
2:44.41 LEE CHILDS USA 2013
2:44.44 GERSHON SHEFA ISR 2008
2:44.53 JIM CLEMMONS USA 2015
2:44.75 ROBERT WILSON USA 2016

400 M. I.M.

5:13.36 RICK COLELLA USA 2017
5:40.43 LAWRENCE DAY USA 2016
5:42.24 PATRICK MOREAU FRA 2018
5:50.98 ALEK SHESTAKOV USA 2014
5:51.91 HUBIE KERNS USA 2014
5:52.50 GEORGE WENDT USA 2012
5:52.79 BARRY YOUNG NZL 2004
5:55.49 GERSHON SHEFA ISR 2008
6:00.61 TIMOTHY SHEAD RSA 2017
6:01.17 JEAN-MARIE CADIAT BEL 2018

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M E N 70-74

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50 M. FREE

27.71 RICHARD ABRAHAMS USA 2015
27.93 STEVE BOROWSKI USA 2017
28.30 JOHN LIRON GBR 2018
28.35 IAN SMITH CAN 2011
28.46 DAVID QUIGGIN USA 2015
28.46 WOLFRAM GOTTFRIED GER 2004
28.53 JEFF FARRELL USA 2007
28.55 JAMES ELDER USA 2013
28.65 CAV CAVANAUGH USA 2005
28.66 RONALD JOHNSON USA 2001

100 M. FREE

1:03.32 DAVID QUIGGIN USA 2015
1:03.71 RICHARD ABRAHAMS USA 2015
1:04.85 RICHARD BURNS USA 2013
1:05.40 CAV CAVANAUGH USA 2005
1:05.45 CHRIS DUNN GBR 2016
1:05.54 STEVE BOROWSKI USA 2017
1:05.57 GERHARD WIELAND AUT 2015
1:05.79 JAMES ELDER USA 2014
1:05.81 WOLFRAM GOTTFRIED GER 2002
1:05.86 KEEFE LODWIG USA 2013

200 M. FREE

2:23.30 FRED SCHLICHER USA 2018
2:24.22 DAN KIRKLAND USA 2018
2:24.41 DAVID QUIGGIN USA 2014
2:25.42 CHRIS DUNN GBR 2016
2:26.20 DAVID RADCLIFF USA 2008

# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

2:27.83 RICHARD BURNS USA 2013
2:28.37 CAV CAVANAUGH USA 2005
2:28.42 TOM LANDIS USA 2012
2:29.15 KEEFE LODWIG USA 2013
2:29.45 GRAHAM JOHNSTON USA 2001

400 M. FREE

5:03.56 DAN KIRKLAND USA 2018
5:11.68 CHRIS DUNN GBR 2016
5:11.89 FRED SCHLICHER USA 2018
5:12.05 GRAHAM JOHNSTON USA 2001
5:17.20 DAVID RADCLIFF USA 2008
5:19.29 DAVID QUIGGIN USA 2015
5:21.27 TOM LANDIS USA 2012
5:24.57 FRANK MCELROY USA 2018
5:24.85 JOHN CRISP AUS 2006
5:25.70 WERNER SCHNABEL GER 2006

800 M. FREE

10:37.71 DAN KIRKLAND USA 2018
10:45.92 GRAHAM JOHNSTON USA 2002
10:49.02 DAVID RADCLIFF USA 2006
10:50.20 CHRIS DUNN GBR 2016
11:07.43 MOSHE GERTEL ISR 2017
11:18.60 J-C.LESTIDEAU FRA 2016
11:18.98 DAVID QUIGGIN USA 2016
11:19.41 JOHN CRISP AUS 2005
11:19.55 BURWELL JONES USA 2005
11:20.69 TOM LANDIS USA 2012

1500 M. FREE

20:26.12 DAN KIRKLAND USA 2018
20:36.56 GRAHAM JOHNSTON USA 2001
21:07.50 DAVID RADCLIFF USA 2008
21:08.22 CHRIS DUNN GBR 2017
21:12.56 TOM LANDIS USA 2012
21:49.74 WERNER SCHNABEL GER 2006
21:50.53 DAVID QUIGGIN USA 2015
21:53.77 BURWELL JONES USA 2005
22:01.12 JOHN CRISP AUS 2005
22:01.52 GEORGE WENDT USA 2017

50 M. BACK

33.58 HUGH WILDER USA 2017
33.59 RICHARD BURNS USA 2013
34.65 FRED SCHLICHER USA 2018
34.81 J-C LESTIDEAU ESP 2016
34.90 BERND HORSTMANN GER 2012
34.92 JAY BRZEZINSKI USA 2017
35.31 YOSHI OYAKAWA USA 2003
35.54 JOZSEF CSIKANY HUN 2013
35.83 S.SEKIKAWA JPN 2003
36.20 RICHARD ALEXANDER USA 2014

100 M. BACK

1:13.49 HUGH WILDER USA 2017
1:15.13 RICHARD BURNS USA 2013
1:15.24 BARRY YOUNG NZL 2009
1:16.14 BERND HORSTMANN GER 2013
1:17.27 SERGIO PINHEIRO BRA 2017
1:17.64 J-C LESTIDEAU ESP 2016
1:18.06 JAY BRZEZINSKI USA 2017
1:18.29 JOZSEF CSIKANY HUN 2015
1:18.65 FRED SCHLICHER USA 2018
1:18.96 GERHARD WIELAND AUT 2016

200 M. BACK

2:44.59 RICHARD BURNS USA 2013
2:46.27 FRED SCHLICHER USA 2018
2:47.91 DAN KIRKLAND USA 2018
2:48.10 BARRY YOUNG NZL 2009
2:49.85 BERND HORSTMANN GER 2013
2:53.46 JOZSEF CSIKANY HUN 2015
2:54.93 HUGH WILDER USA 2017
2:55.19 BURWELL JONES USA 2005
2:55.49 JOE REID USA 2018
2:55.96 J-C.LESTIDEAU FRA 2016

50 M. BRST

36.68 ROBERT STRAND USA 2016
36.86 DIETER HOEFEL GER 2015
37.23 YOSHIHIKO OSAKI JPN 2009
37.34 KENNETH FROST USA 2014
37.47 KARL WIEDAMANN USA 2008
37.53 HISASHI DOI JPN 2018
37.63 JOZEF KLUKOWSKI POL 2016
37.68 PETER ANDERSEN USA 2013
37.70 JOHN LIRON GBR 2018
37.74 DOUGLAS SPRINGER USA 2016

100 M. BRST

1:23.63 ROBERT STRAND USA 2016
1:23.65 KENNETH FROST USA 2014
1:24.12 DAVID GILDEA USA 2013
1:24.71 KARL WIEDAMANN USA 2008
1:25.25 ANTONIO ORSELLI BRA 2012
1:25.29 JOSEF KOCSI AUT 2017
1:25.53 TONY GOODWIN AUS 2007
1:25.68 DIETER HOEFEL GER 2017
1:25.80 SEIKO OKAZAKI JPN 2016
1:26.07 NORIAKI TSUJI JPN 2016

200 M. BRST

3:04.79 MICHAEL MOLONEY AUS 2009
3:07.26 ROBERT STRAND USA 2016
3:07.50 KARL WIEDAMANN USA 2008
3:07.93 KENNETH FROST USA 2014
3:09.09 NORIAKI TSUJI JPN 2016
3:09.23 DOUGLAS SPRINGER USA 2016
3:09.27 TONY GOODWIN AUS 2008
3:11.63 JOSEF KOCSI AUT 2017
3:11.67 CLAUDIO NEGRI ITA 2006
3:12.31 PAUL WYATT AUS 2017

50 M. FLY

30.06 RICHARD ABRAHAMS USA 2015
30.65 LEE CHILDS USA 2018
30.81 STEVE BOROWSKI USA 2017
30.90 JOEL BURNS USA 2016
31.20 RICHARD BURNS USA 2015
31.28 JOSEP CLARET ESP 2014
31.36 ANDREW MCPHERSON USA 2017
31.37 JIM DRAGON USA 2014
31.43 KENJI NAKAMATSU JPN 2018
31.45 FRED SCHLICHER USA 2018

100 M. FLY

1:12.43 FRED SCHLICHER USA 2018
1:12.43 ANDREW MCPHERSON USA 2017
1:12.66 RICHARD ABRAHAMS USA 2015
1:14.20 ROBERT POILETMAN USA 2013
1:14.47 JOSEP CLARET ESP 2014
1:15.23 J-C LESTIDEAU ESP 2016
1:15.79 RICHARD BURNS USA 2015
1:16.04 KOJI IWAMOTO JPN 2012
1:16.18 BARRY YOUNG NZL 2009
1:16.80 DEREK PARR GBR 2014

200 M. FLY

2:53.26 BARRY YOUNG NZL 2009
2:53.43 FRED SCHLICHER USA 2018
2:59.21 ROBERT POILETMAN USA 2013
3:03.40 J-C LESTIDEAU ESP 2016
3:03.85 PAUL WYATT AUS 2017
3:04.35 GUNTER SCHOPKE GER 2010
3:05.87 RUDOLF SMERDA CZE 2017
3:08.06 TAISUKE MIYAZAKI JPN 2009
3:08.89 HORST LEHMANN GER 2017
3:10.53 RICHARD KITCHELL USA 2010

200 M. I.M.

2:44.36 BARRY YOUNG NZL 2009
2:49.38 FRED SCHLICHER USA 2018
2:52.57 JOSEF KOCSI AUT 2017
2:52.77 LEE CHILDS USA 2018
2:53.82 J-C LESTIDEAU ESP 2016
2:54.06 ROBERT STRAND USA 2016

2:55.13 RICHARD BURNS USA 2013
2:56.09 PAUL WYATT AUS 2016
2:56.26 CHRIS DUNN GBR 2016
2:56.72 TOM LANDIS USA 2012

400 M. I.M.

5:57.81 BARRY YOUNG NZL 2009
6:06.60 FRED SCHLICHER USA 2018
6:19.41 JOSEF KOCSI AUT 2017
6:23.86 J-C LESTIDEAU ESP 2017
6:23.93 CHRIS DUNN GBR 2016
6:24.55 DOUGLAS SPRINGER USA 2016
6:24.76 TOM LANDIS USA 2012
6:24.81 PAUL WYATT AUS 2017
6:25.55 DAN KIRKLAND USA 2018
6:27.87 FRANK MCELROY USA 2018

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M E N 75-79
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50 M. FREE

29.70 RICHARD BURNS USA 2018
29.87 JAMES ELDER USA 2018
30.08 AKIRA FUJIMAKI JPN 2018
30.26 IAN SMITH CAN 2016
30.28 DAVID RADCLIFF USA 2009
30.30 MIKE FRESHLEY USA 2016
30.32 NEIL MACKINNON GBR 2016
30.40 TSUTOMU EBIHARA JPN 2015
30.63 SHINGO YAMAMOTO JPN 2008
30.78 HIROSHI MATSUMOTO JPN 2011

100 M. FREE

1:06.40 AKIRA FUJIMAKI JPN 2018
1:06.63 DAVID RADCLIFF USA 2009
1:08.46 RICHARD BURNS USA 2018
1:09.06 MIKE FRESHLEY USA 2016
1:10.02 SHINGO YAMAMOTO JPN 2008
1:10.38 GRAHAM JOHNSTON USA 2006
1:10.49 HIROSHI MATSUMOTO JPN 2012
1:10.50 RUDOLF SMERDA CZE 2018
1:11.16 WILL GOSNOLD USA 2016
1:11.52 JAMES ELDER USA 2018

200 M. FREE

2:25.66 DAVID RADCLIFF USA 2009
2:33.87 AKIRA FUJIMAKI JPN 2018
2:35.32 BURWELL JONES USA 2009
2:36.30 GRAHAM JOHNSTON USA 2006
2:37.67 TONY RALPHS USA 2018
2:38.21 ED REED USA 2018
2:40.79 MASATO YOSHINO JPN 2013
2:41.06 IKURO SHIMONO JPN 2013
2:41.39 WERNER SCHNABEL GER 2012
2:41.83 KEEFE LODWIG USA 2018

400 M. FREE

5:17.77 DAVID RADCLIFF USA 2009
5:32.06 GRAHAM JOHNSTON USA 2006
5:33.42 BURWELL JONES USA 2009
5:39.94 JOHN CRISP AUS 2010
5:41.24 TONY RALPHS USA 2018
5:41.43 TADANOBU YAMADA JPN 2018
5:43.90 IKURO SHIMONO JPN 2013
5:43.91 WERNER SCHNABEL GER 2011
5:44.68 MASATO YOSHINO JPN 2014
5:48.71 YASUSHI YAMAGUCHI JPN 2014

800 M. FREE

11:07.90 DAVID RADCLIFF USA 2009
11:25.95 GRAHAM JOHNSTON USA 2006
11:50.86 TONY RALPHS USA 2018
11:59.76 JOHN CRISP AUS 2010
11:59.91 MASATO YOSHINO JPN 2013
12:02.17 JOHN RICHARDS AUS 2017
12:04.82 IGOR BROVIN RUS 2009
12:08.69 IKURO SHIMONO JPN 2012

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# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

12:14.79 WERNER SCHNABEL GER 2011
12:17.40 GIULIO DIVANO ITA 2009
1500 M. FREE
21:03.06 DAVID RADCLIFF USA 2009
22:38.01 TONY RALPHS USA 2018
22:48.56 JOHN CRISP AUS 2010
23:02.25 GRAHAM JOHNSTON USA 2006
23:16.89 MASATO YOSHINO JPN 2014
23:28.60 B.CAMMELLI ITA 2018
23:29.81 TOSHIO TOMINAGA JPN 2018
23:30.55 YASUSHI YAMAGUCHI JPN 2014
23:31.64 WERNER SCHNABEL GER 2012
23:34.20 HIROSHI YOSHIMURA JPN 2005
50 M. BACK
34.45 RICHARD BURNS USA 2018
36.14 YOSHI OYAKAWA USA 2008
36.32 JOZSEF CSIKANY HUN 2018
36.38 S.SEKIKAWA JPN 2008
36.90 BURWELL JONES USA 2010
37.51 KEIJIRO NAKAMURA JPN 1998
37.59 RYUJI TAKAMINE JPN 2016
37.68 Y.FUNAHASHI JPN 2015
37.81 H.MURAKAMI JPN 2018
38.08 CLARKE MITCHELL USA 2007
100 M. BACK
1:17.17 RICHARD BURNS USA 2018
1:20.06 JOZSEF CSIKANY HUN 2018
1:20.98 BURWELL JONES USA 2009
1:21.52 YOSHI OYAKAWA USA 2008
1:22.05 S.SEKIKAWA JPN 2009
1:25.41 MIKLOS KOVATS HUN 2016
1:25.84 FRANS VAN ENST NED 2015
1:26.00 CLARKE MITCHELL USA 2007
1:26.00 KEIJIRO NAKAMURA JPN 1998
1:26.51 T.HASHIMOTO JPN 2016
200 M. BACK
2:50.25 RICHARD BURNS USA 2018
2:57.72 BURWELL JONES USA 2010
2:58.32 JOZSEF CSIKANY HUN 2018
3:04.07 S.SEKIKAWA JPN 2010
3:07.08 MARTY MENNEN USA 2011
3:07.83 T.HASHIMOTO JPN 2016
3:10.25 ROGER FRANKS USA 2002
3:10.36 KARL DONOGHUE CAN 2015
3:10.53 FRANS VAN ENST NED 2015
3:10.64 KEIJIRO NAKAMURA JPN 1998
50 M. BRST
39.06 PETER ANDERSEN USA 2018
39.22 ANTONIO ORSELLI BRA 2017
39.62 MIKE FRESHLEY USA 2016
39.65 HANS REICHELT GER 2011
39.92 TONY GOODWIN AUS 2012
40.01 TETSUO NAKAMARU JPN 2010
40.20 MIKHAIL FARAFONOV RUS 2012
40.28 TATSUO ASAI JPN 2016
40.38 TOSHIO TAJIMA JPN 2000
40.41 DON BIDWELL NZL 2009
100 M. BRST
1:27.74 MIKE FRESHLEY USA 2016
1:29.15 MASARU SHINKAI JPN 2016
1:29.35 TONY GOODWIN AUS 2012
1:29.55 TETSUO NAKAMARU JPN 2010
1:29.92 HANS REICHELT GER 2011
1:30.22 PETER ANDERSEN USA 2018
1:30.60 ANTONIO ORSELLI BRA 2017
1:31.65 BELA FABIAN HUN 2012
1:31.90 TSUTOMU KAJIHARA JPN 2008
1:32.06 SHUNSAKU TAKAHIRA JPN 2007
200 M. BRST
3:13.93 MIKE FRESHLEY USA 2016
3:17.54 TONY GOODWIN AUS 2012
3:18.14 MASARU SHINKAI JPN 2016
3:24.08 HANS REICHELT GER 2011
3:26.50 GERSHON SHEFA ISR 2018
3:28.51 SHUNSAKU TAKAHIRA JPN 2007
3:28.63 TSUTOMU KAJIHARA JPN 2008
3:28.79 BELA FABIAN HUN 2012
3:28.90 CLAUDIO NEGRI ITA 2012
3:29.31 YOSHIAKI AOKI JPN 2013
50 M. FLY
32.17 RICHARD BURNS USA 2018
32.61 Y.FUNAHASHI JPN 2014
32.76 HIROSHI MATSUMOTO JPN 2012
33.27 AKIRA TAKAKURA JPN 2016
33.74 NEIL MACKINNON GBR 2016
33.83 MIKE FRESHLEY USA 2016
33.83 JOHN SMITH USA 2013
33.94 TSUTOMU EBIHARA JPN 2015
33.97 JAMES ELDER USA 2018
34.51 BERND SCHRODER GER 2018
100 M. FLY
1:20.68 RICHARD BURNS USA 2018
1:21.57 RUDOLF SMERDA CZE 2018
1:22.54 AKIRA TAKAKURA JPN 2017
1:25.60 TAISUKE MIYAZAKI JPN 2014
1:26.04 TAKASHI HAYASHI JPN 2008
1:26.41 GUNTER SCHOPKE GER 2015
1:27.26 YASUTAKA KOIKE JPN 2018
1:27.65 KOJI IWAMOTO JPN 2017
1:27.82 JOAQUIN CANALES ESP 2015
1:28.30 GIULIO DIVANO ITA 2009
200 M. FLY
3:11.38 RUDOLF SMERDA CZE 2018
3:18.12 RICHARD KITCHELL USA 2015
3:22.72 GUNTER SCHOPKE GER 2015
3:26.21 DAVID MCLACHLAN RSA 2012
3:26.28 TAKASHI HAYASHI JPN 2008
3:31.90 WERNER MULLER GER 2009
3:33.34 GIULIO DIVANO ITA 2010
3:33.50 LAURI MALK FIN 2012
3:34.30 MAURICE LUSIEN FRA 2001
3:34.82 CLAUDIO NEGRI ITA 2012
200 M. I.M.
2:59.01 MIKE FRESHLEY USA 2016
3:02.57 RICHARD BURNS USA 2018
3:06.58 BURWELL JONES USA 2009
3:07.29 GERHARD HOLE GER 2010
3:07.60 RUDOLF SMERDA CZE 2018
3:07.76 GERSHON SHEFA ISR 2018
3:09.33 IKURO SHIMONO JPN 2012
3:10.23 ED REED USA 2018
3:11.78 JOAQUIN CANALES ESP 2015
3:12.48 DAVID MCLACHLAN RSA 2012
400 M. I.M.
6:34.91 MIKE FRESHLEY USA 2016
6:48.48 BURWELL JONES USA 2009
6:57.53 MASARU SHINKAI JPN 2015
6:58.19 GIULIO DIVANO ITA 2009
7:01.55 ED REED USA 2018
7:03.86 JOAQUIN CANALES ESP 2015
7:08.74 GRAHAM JOHNSTON USA 2007
7:10.29 DAVID MCLACHLAN RSA 2012
7:12.95 IKURO SHIMONO JPN 2015
7:13.52 ISAO TAKEBAYASHI JPN 2016

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M E N 80-84
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50 M. FREE
31.96 ROBERTO ALBERICHE ESP 2012
32.05 HIROSHI MATSUMOTO JPN 2016
32.18 JEFF FARRELL USA 2017
32.73 B.SCHLURIKE GER 2002
32.83 TSUTOMU HAYASHI JPN 2016
32.92 CAV CAVANAUGH USA 2015
33.08 SHINGO YAMAMOTO JPN 2012
33.09 FRANK PIEMME USA 2005
33.12 KEIJIRO NAKAMURA JPN 2004
33.18 CLARKE MITCHELL USA 2013
100 M. FREE
1:11.82 DAVID RADCLIFF USA 2014
1:12.68 HIROSHI MATSUMOTO JPN 2016
1:13.12 ROBERTO ALBERICHE ESP 2011
1:14.33 MASATO YOSHINO JPN 2018
1:16.04 GRAHAM JOHNSTON USA 2011
1:16.09 JEFF FARRELL USA 2018
1:16.22 CAV CAVANAUGH USA 2015
1:17.11 KEIJIRO NAKAMURA JPN 2003
1:17.49 WERNER SCHNABEL GER 2017
1:17.64 GERHARD HOLE GER 2015
200 M. FREE
2:40.22 DAVID RADCLIFF USA 2014
2:44.68 MASATO YOSHINO JPN 2018
2:45.48 IKURO SHIMONO JPN 2017
2:48.61 WERNER SCHNABEL GER 2016
2:48.76 ROBERTO ALBERICHE ESP 2011
2:52.91 GRAHAM JOHNSTON USA 2013
2:53.00 HIROSHI MATSUMOTO JPN 2016
2:53.10 BURWELL JONES USA 2013
2:55.98 CAV CAVANAUGH USA 2015
2:59.24 LAURI MALK FIN 2017
400 M. FREE
5:45.21 DAVID RADCLIFF USA 2015
6:02.12 IKURO SHIMONO JPN 2018
6:02.26 MASATO YOSHINO JPN 2018
6:05.49 WERNER SCHNABEL GER 2016
6:08.75 GIULIO DIVANO ITA 2011
6:10.13 GRAHAM JOHNSTON USA 2012
6:11.49 ROBERTO ALBERICHE ESP 2011
6:17.52 TOSABURO HOSOKAWA JPN 2015
6:20.66 BURWELL JONES USA 2014
6:26.19 GERHARD HOLE GER 2015
800 M. FREE
11:49.29 DAVID RADCLIFF USA 2014
12:51.45 GRAHAM JOHNSTON USA 2012
12:52.38 GIULIO DIVANO ITA 2011
12:55.27 BURWELL JONES USA 2013
13:00.08 WERNER SCHNABEL GER 2016
13:10.59 TOSABURO HOSOKAWA JPN 2015
13:15.13 ANRI VERESHCHAGIN RUS 2015
13:26.47 F.HENDRIK BRUIJN ESP 2018
13:28.82 IGOR BROVIN RUS 2012
13:39.76 ROD BAKER AUS 2008
1500 M. FREE
22:16.90 DAVID RADCLIFF USA 2014
23:40.94 MASATO YOSHINO JPN 2018
24:40.69 GIULIO DIVANO ITA 2011
25:03.24 WERNER SCHNABEL GER 2016
25:08.34 GERHARD HOLE GER 2015
25:08.56 TOSABURO HOSOKAWA JPN 2015
25:10.41 GRAHAM JOHNSTON USA 2011
25:59.56 HIROSHI YOSHIMURA JPN 2008
26:13.81 F.DE-BRUIJN ESP 2018
26:39.67 KATSURA SUZUKI JPN 2011
50 M. BACK
38.16 S.SEKIKAWA JPN 2013
38.41 KEIJIRO NAKAMURA JPN 2003
39.18 YOSHI OYAKAWA USA 2015
40.71 SHOICHI SAKOMOTO JPN 1998
41.00 MARTY MENNEN USA 2016
41.12 BURWELL JONES USA 2013
41.40 PAUL HUTINGER USA 2004
41.44 THOMAS ROBSON GBR 2016
41.49 CLARKE MITCHELL USA 2012
41.84 RAY MARTIN USA 2017
100 M. BACK

# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

1:26.44 S.SEKIKAWA JPN 2013
1:26.97 KEIJIRO NAKAMURA JPN 2003
1:29.06 DAVID COSTILL USA 2017
1:31.10 CLARKE MITCHELL USA 2013
1:31.14 MARTY MENNEN USA 2016
1:32.84 BURWELL JONES USA 2014
1:34.40 GERHARD HOLE GER 2015
1:35.36 RAYMOND TAFT USA 1999
1:35.42 PAUL HUTINGER USA 2004
1:36.42 WILLIAM VAN HORN USA 2018

200 M. BACK

3:15.04 DAVID COSTILL USA 2017
3:16.22 BURWELL JONES USA 2013
3:16.82 KEIJIRO NAKAMURA JPN 2004
3:24.35 GERHARD HOLE GER 2015
3:25.44 MARTY MENNEN USA 2016
3:27.80 CLARKE MITCHELL USA 2013
3:30.76 PAUL HUTINGER USA 2004
3:31.36 RAYMOND TAFT USA 1999
3:33.41 JAN ZIEGLER CZE 2005
3:33.44 FRITZ ILGEN GER 2015

50 M. BRST

41.68 TOSHIO TAJIMA JPN 2006
42.12 MIKHAIL FARAFONOV RUS 2017
42.21 BELA FABIAN HUN 2017
42.92 TONY GOODWIN AUS 2017
43.05 IWAMI IKEDA JPN 2014
43.19 HIROFUMI HOSOTANI JPN 2015
43.23 TETSUO NAKAMARU JPN 2015
43.62 Y.MIYAMOTO JPN 1998
43.67 PATRICK GALVIN AUS 2013
43.93 WERNER MULLER GER 2013

100 M. BRST

1:34.43 BELA FABIAN HUN 2017
1:35.16 TONY GOODWIN AUS 2017
1:37.05 TETSUO NAKAMARU JPN 2015
1:39.21 HANS REICHELT GER 2017
1:39.32 PATRICK GALVIN AUS 2013
1:39.73 TSUTOMU KAJIHARA JPN 2013
1:40.90 DAVID COSTILL USA 2017
1:41.02 TOSHIO TAJIMA JPN 2005
1:41.73 HIROFUMI HOSOTANI JPN 2015
1:42.33 WERNER MULLER GER 2013

200 M. BRST

3:28.43 TONY GOODWIN AUS 2017
3:38.71 KAIZO YAMAMOTO JPN 2018
3:38.92 BELA FABIAN HUN 2017
3:39.82 HANS REICHELT GER 2017
3:42.84 MASAMI SHIGETA JPN 2016
3:43.82 TSUTOMU KAJIHARA JPN 2014
3:43.98 DAVID COSTILL USA 2017
3:46.57 CLAUDIO NEGRI ITA 2016
3:47.15 PATRICK GALVIN AUS 2013
3:47.81 AL CRAIG USA 2007

50 M. FLY

34.75 HIROSHI MATSUMOTO JPN 2016
38.05 TAKASHI HAYASHI JPN 2013
38.75 CLARKE MITCHELL USA 2013
39.17 WERNER MULLER GER 2013
39.36 DAVID COSTILL USA 2017
39.59 DAVID MCLACHLAN RSA 2017
39.65 GIULIO DIVANO ITA 2011
39.88 MASARU IGARASHI JPN 2015
40.26 ROBERTO ALBERICHE ESP 2012
40.65 FRANK PIEMME USA 2005

100 M. FLY

1:29.39 GIULIO DIVANO ITA 2011
1:34.18 TAKASHI HAYASHI JPN 2013
1:38.45 DAVID COSTILL USA 2017
1:40.42 DAVID MCLACHLAN RSA 2017
1:40.57 WERNER MULLLER GER 2013
1:40.62 LAURI MALK FIN 2017
1:43.10 TONY GOODWIN AUS 2017
1:43.93 WILLIAM LAUER USA 2014
1:44.31 BELA FABIAN HUN 2017
1:44.39 CLAUDIO NEGRI ITA 2016

200 M. FLY

3:31.42 GIULIO DIVANO ITA 2011
3:38.95 TAKASHI HAYASHI JPN 2013
3:48.35 DAVID MCLACHLAN RSA 2017
3:54.51 THOMAS MAINE USA 2006
3:56.81 IRA RIMERMAN USA 2018
4:00.10 LAURI MALK FIN 2017
4:02.29 WERNER MULLER GER 2013
4:03.00 JAN ZIEGLER CZE 2005
4:04.18 WILLIAM LAUER USA 2014
4:06.58 CLAUDIO NEGRI ITA 2016

200 M. I.M.

3:20.65 GIULIO DIVANO ITA 2011
3:23.31 IKURO SHIMONO JPN 2017
3:24.82 DAVID COSTILL USA 2017
3:26.78 BELA FABIAN HUN 2017
3:27.46 JOHN COCKS AUS 2016
3:29.66 ROBERTO ALBERICHE ESP 2012
3:32.17 TONY GOODWIN AUS 2017
3:32.82 JAN ZIEGLER CZE 2005
3:33.09 WERNER MULLER GER 2013
3:33.56 YOSHINAO KAMEI JPN 2013

400 M. I.M.

7:12.63 GIULIO DIVANO ITA 2011
7:17.96 DAVID COSTILL USA 2017
7:31.80 JOHN COCKS AUS 2018
7:38.09 JAN ZIEGLER CZE 2005
7:39.71 WILLIAM LAUER USA 2014
7:45.19 LARRY GOOD USA 2014
7:46.50 DAVID MCLACHLAN RSA 2017
7:47.73 THOMAS MAINE USA 2006
7:52.01 E.NODENSCHNEIDER FRA 2017
7:54.48 BOB BEST USA 2012

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M E N 85-89

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50 M. FREE

32.51 ROBERTO ALBERICHE ESP 2017
33.94 KEIJIRO NAKAMURA JPN 2008
35.77 WOODROW BOWERSOCK USA 1998
35.85 FRANK PIEMME USA 2010
36.24 ILO FONSECA BRA 2015
36.40 JAMES EUBANK USA 2000
36.41 GORO KOBAYASHI JPN 2002
36.62 ROD BAKER AUS 2013
36.90 TAKAHIKO NOMA JPN 2013
36.90 TOSHIMI INATOMI JPN 2011

100 M. FREE

1:23.25 FRANK PIEMME USA 2010
1:23.52 KEIJIRO NAKAMURA JPN 2008
1:23.87 JIM EUBANK USA 2001
1:24.51 ROD BAKER AUS 2013
1:25.48 GRAHAM JOHNSTON USA 2016
1:26.48 GORO KOBAYASHI JPN 2002
1:26.51 ROBERTO ALBERICHE ESP 2017
1:26.71 HIKOJI UEKI JPN 2000
1:26.78 WILLARD LAMB USA 2007
1:27.11 CLARKE MITCHELL USA 2017

200 M. FREE

3:03.50 ROBERTO ALBERICHE ESP 2017
3:07.03 GRAHAM JOHNSTON USA 2016
3:13.78 HIKOJI UEKI JPN 2000
3:16.89 FRANK PIEMME USA 2010
3:16.95 WILLARD LAMB USA 2008
3:17.18 ROD BAKER AUS 2013
3:17.30 JIM EUBANK USA 2001
3:19.10 GORO KOBAYASHI JPN 2002
3:19.25 KATSURA SUZUKI JPN 2016
3:23.31 JIRO KOBAYASHI JPN 2010

400 M. FREE

6:38.87 GRAHAM JOHNSTON USA 2016
6:59.51 KATSURA SUZUKI JPN 2016
7:02.33 ROD BAKER AUS 2013
7:03.07 FRANK PIEMME USA 2010
7:05.53 HIKOJI UEKI JPN 2000
7:06.36 WILLARD LAMB USA 2008
7:12.16 JIM EUBANK USA 2001
7:16.00 KARL HAUTER GER 2013
7:17.06 TAKANAO SATO JPN 2018
7:20.63 D.CASOLINO ITA 2012

800 M. FREE

14:23.39 GRAHAM JOHNSTON USA 2016
14:36.90 WILLARD LAMB USA 2008
14:39.80 KATSURA SUZUKI JPN 2016
14:43.80 ROD BAKER AUS 2013
14:43.81 FRANK PIEMME USA 2010
15:11.24 D.CASOLINO ITA 2012
15:24.45 JIM EUBANK USA 2001
15:24.97 HIROSHI IMAIZUMI JPN 2010
15:30.95 ROBERT BEACH USA 2015
15:32.70 JURGEN SCHMIDT USA 2008

1500 M. FREE

27:47.93 KATSURA SUZUKI JPN 2016
27:50.01 GRAHAM JOHNSTON USA 2016
28:35.24 WILLARD LAMB USA 2008
29:00.17 ROD BAKER AUS 2013
29:12.85 JURGEN SCHMIDT USA 2008
29:29.44 ROBERT BEACH USA 2015
29:53.88 JIM EUBANK USA 2000
30:10.16 HIROSHI IMAIZUMI JPN 2010
30:14.52 TOKUSHI KOMEDA JPN 1999
31:17.64 ALDO DA ROSA USA 2002

50 M. BACK

39.89 KEIJIRO NAKAMURA JPN 2008
40.50 YOSHI OYAKAWA USA 2018
42.04 CLARKE MITCHELL USA 2017
42.17 GORO KOBAYASHI JPN 2001
44.52 FRED VAN DYKE USA 2006
45.16 TOSHIJI SATO JPN 2000
45.33 SHOICHI SAKAMOTO JPN 2004
45.45 ILO FONSECA BRA 2015
45.58 ROBERTO ALBERICHE ESP 2017
45.60 K.KLAUSTERMEYER GER 2013

100 M. BACK

1:31.65 KEIJIRO NAKAMURA JPN 2008
1:36.34 GORO KOBAYASHI JPN 2001
1:38.07 CLARKE MITCHELL USA 2017
1:41.25 TOSHIJI SATO JPN 2000
1:42.20 YOSHI OYAKAWA USA 2018
1:42.86 FRITZ ILGEN GER 2018
1:45.37 ROGER BURRELL GBR 2016
1:48.22 ROD BAKER AUS 2014
1:48.68 HIKOJI UEKI JPN 2000
1:49.24 WILLARD LAMB USA 2008

200 M. BACK

3:28.59 KEIJIRO NAKAMURA JPN 2008
3:41.06 GORO KOBAYASHI JPN 2002
3:48.38 TOSHIJI SATO JPN 2000
3:51.36 FRITZ ILGEN GER 2018
3:51.72 CLARKE MITCHELL USA 2017
3:54.81 ROD BAKER AUS 2013
3:56.39 NORIO HAYASHI JPN 2015
3:56.47 KARL HAUTER GER 2010
3:59.04 HELMUT KUNZEL GER 2014
4:04.30 PATRICK GALVIN RSA 2018

50 M. BRST

45.58 TOSHIO TAJIMA JPN 2011
46.23 Y.MIYAMOTO JPN 2002
48.20 PATRICK GALVIN AUS 2018

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# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

48.94 GERHARD GIERA GER 2013
49.43 TAKAO TSUCHIYA JPN 2017
49.46 HIROMU YOSHIMOTO JPN 2000
49.49 FRANK PIEMME USA 2010
49.69 ROLF WALTHER GER 2014
49.90 SEIJI TAKAHASHI JPN 2000
49.92 BOB BEST USA 2018

100 M. BRST

1:49.64 PATRICK GALVIN AUS 2018
1:50.02 IWAO NARUSE JPN 2017
1:50.91 SHUNSAKU TAKAHIRA JPN 2018
1:51.56 TAKAO TSUCHIYA JPN 2016
1:51.79 FRANK PIEMME USA 2010
1:53.27 BARTON GREENBERG USA 2009
1:53.70 HIROMU YOSHIMOTO JPN 2000
1:54.19 Y.MIYAMOTO JPN 2002
1:56.64 H.REITEMEYER GER 2006
1:57.18 KARL HAUTER GER 2010

200 M. BRST

3:59.60 SHUNSAKU TAKAHIRA JPN 2018
4:10.75 AL CRAIG USA 2012
4:13.50 PATRICK GALVIN AUS 2018
4:13.81 KARL HAUTER GER 2010
4:15.11 FRANK PIEMME USA 2010
4:16.56 THOMAS MAINE USA 2010
4:16.96 ROBERT MACDONALD USA 2013
4:18.49 IWAO NARUSE JPN 2017
4:20.59 FREDERICK HOPPE USA 2012
4:22.99 HIROMU YOSHIMOTO JPN 2000

50 M. FLY

43.62 ROBERTO ALBERICHE ESP 2017
44.68 TAKASHI HAYASHI JPN 2018
44.87 YOSHINAO KAMEI JPN 2018
45.31 CLARKE MITCHELL USA 2017
45.63 FRANK PIEMME USA 2010
46.48 ANDREW HOLDEN USA 2004
46.85 TOSHIO TAJIMA JPN 2010
47.88 TAMON YOSHIDA JPN 2011
48.21 CURT ZEISS GER 2016
49.19 K.SHCHEGLOV UKR 2018

100 M. FLY

1:52.68 TAKASHI HAYASHI JPN 2018
1:55.18 THOMAS MAINE USA 2010
2:02.53 ANDREW HOLDEN USA 2004
2:05.21 KARL HAUTER GER 2010
2:05.39 FRANK PIEMME USA 2010
2:10.28 WALTER PFEIFFER USA 1999
2:11.44 ANTON CERER USA 2002
2:12.47 MAX VAN GELDER NED 2009
2:13.91 SERHIY SIMANKOV UKR 2017
2:14.12 C.MUNIZAGA GER 2017

200 M. FLY

4:15.86 THOMAS MAINE USA 2010
4:46.99 KARL HAUTER GER 2010
4:47.63 ANDREW HOLDEN USA 2004
4:48.82 TAKASHI HAYASHI JPN 2018
4:57.41 ANTON CERER USA 2002
5:06.00 WALTER PFEIFFER USA 1999
5:07.93 PAUL KRUP USA 2002
5:08.70 SERHIY SIMANKOV UKR 2017
5:25.02 ALDO CAPUTI ITA 2001
5:42.31 HIRONARI UEDA JPN 2006

200 M. I.M.

3:51.20 THOMAS MAINE USA 2010
3:51.88 FRANK PIEMME USA 2010
3:57.74 KARL HAUTER GER 2010
4:01.69 YOSHINAO KAMEI JPN 2018
4:06.36 GRAHAM JOHNSTON USA 2016
4:07.75 HIROSHI IMAIZUMI JPN 2010
4:13.14 ANTON CERER USA 2001
4:13.62 BOB BEST USA 2018
4:14.16 S.KROKOSZYNSKI POL 2015
4:15.59 ANDREW HOLDEN USA 2004

400 M. I.M.

8:21.81 THOMAS MAINE USA 2010
8:34.82 KARL HAUTER GER 2010
9:13.39 BOB BEST USA 2017
9:21.90 ANTON CERER USA 2001
9:42.77 WALTER PFEIFFER USA 1999
9:59.48 GRAHAM JOHNSTON USA 2018
10:28.43 FRANK GRIFFITHS AUS 1994
10:32.21 CHRISTOPHER SMITH CAN 2017
10:38.32 DON LEADER GBR 2009
10:57.84 HIRONARI UEDA JPN 2006

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M E N 90-94

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50 M. FREE

39.19 WOODY BOWERSOCK USA 2003
40.89 TOSHIMI INATOMI JPN 2016
41.93 GEORGE CORONES AUS 2008
42.17 ROGER HALIMI FRA 2012
42.32 ZAVEN BOGHOSSIAN BRA 2017
43.03 TOKUSHI KOMEDA JPN 2004
43.50 WILLARD LAMB USA 2015
43.78 KAZUNAGA AKUTSU JPN 2002
44.07 MIRIO VINCENTIN ARG 2009
44.27 S.KROKOSZYNSKI POL 2017

100 M. FREE

1:37.69 KARL HAUTER GER 2015
1:38.05 GORO KOBAYASHI JPN 2006
1:40.54 TOKUSHI KOMEDA JPN 2004
1:41.87 WILLARD LAMB USA 2014
1:43.22 WOODY BOWERSOCK USA 2003
1:45.51 GEORGE CORONES AUS 2009
1:48.50 ANTON BIEDERMANN BRA 2014
1:50.28 JURGEN SCHMIDT USA 2013
1:50.30 KAZUNAGA AKUTSU JPN 2002
1:50.66 YOSHIRO OBATA JPN 2014

200 M. FREE

3:39.15 KARL HAUTER GER 2016
3:41.77 WILLARD LAMB USA 2013
3:54.89 TOKUSHI KOMEDA JPN 2004
4:02.49 JURGEN SCHMIDT USA 2013
4:10.09 D.CASOLINO ITA 2017
4:10.40 WOODY BOWERSOCK USA 2003
4:19.52 MASAHISA KANEKO JPN 2002
4:24.46 ANTON BIEDERMANN BRA 2014
4:25.48 JAMES TAR BRA 2014
4:28.34 GUS LANGNER USA 1993

400 M. FREE

8:01.57 WILLARD LAMB USA 2014
8:05.10 KARL HAUTER GER 2017
8:13.45 TOKUSHI KOMEDA JPN 2004
8:48.73 JURGEN SCHMIDT USA 2013
9:00.03 D.CASSOLINO ITA 2017
9:31.51 THOMAS MAINE USA 2015
9:35.43 ARTHUR THOMAS AUS 2007
9:38.67 JAMES TAR BRA 2014
9:39.37 WOODY BOWERSOCK USA 2003
9:40.04 ALFREDO CHERCHI AUS 1997

800 M. FREE

16:28.37 WILLARD LAMB USA 2013
17:29.90 KARL HAUTER GER 2017
17:54.42 TOKUSHI KOMEDA JPN 2005
17:55.95 D.CASOLINO ITA 2017
17:58.02 JURGEN SCHMIDT USA 2013
19:35.42 THOMAS MAINE USA 2015
19:36.32 NILS FERM SWE 2007
20:09.22 JOHN HARRISON GBR 2004
20:13.74 GUS LANGNER USA 1993
20:16.94 ELI KITAY AUS 2014

1500 M. FREE

31:12.82 WILLARD LAMB USA 2014
34:48.90 D.CASOLINO ITA 2017
36:22.20 JURGEN SCHMIDT USA 2013
36:47.02 GUS LANGNER USA 1993
37:21.89 NILS FERM SWE 2007
38:18.63 THOMAS MAINE USA 2015
38:53.18 ELI KITAY AUS 2014
38:56.19 JOHN HARRISON GBR 2004
39:36.67 WALTER PFEIFFER USA 2004
40:41.55 JAMES TAR BRA 2014

50 M. BACK

46.82 GORO KOBAYASHI JPN 2006
51.92 ZAVEN BOGHOSSIAN BRA 2017
51.94 ALAN WEEDEN USA 2014
53.26 KAZUNAGA AKUTSU JPN 2002
53.81 KAIZO WATANABE JPN 2014
53.99 R.REINSTADTLER GER 2002
54.07 TOSHIJI SATO JPN 2005
54.39 BELA BANKI HUN 2010
54.41 MASAHISA KANEKO JPN 2003
54.65 ANTON BIEDERMANN BRA 2014

100 M. BACK

1:45.46 GORO KOBAYASHI JPN 2006
1:59.92 WILLARD LAMB USA 2014
2:01.03 JAN ZIEGLER CZE 2015
2:02.90 KARL HAUTER GER 2015
2:04.48 TOSHIJI SATO JPN 2006
2:04.94 R.REINSTADTLER GER 2002
2:06.63 BELA BANKI HUN 2010
2:07.20 JOHN MERRILL USA 2007
2:07.33 KAIZO WATANABE JPN 2014
2:07.37 NILS FERM SWE 2008

200 M. BACK

4:05.77 GORO KOBAYASHI JPN 2007
4:20.06 WILLARD LAMB USA 2014
4:24.15 JAN ZIEGLER CZE 2015
4:30.05 KARL HAUTER GER 2017
4:32.63 NILS FERM SWE 2009
4:33.77 BELA BANKI HUN 2010
4:34.60 R.REINSTADTLER GER 2002
4:40.87 KAIZO WATANABE JPN 2013
4:41.28 TOSHIJI SATO JPN 2005
4:42.14 JOHN HARRISON GBR 2004

50 M. BRST

50.71 TOSHIO TAJIMA JPN 2015
55.52 KARL HAUTER GER 2016
57.20 HIROMU YOSHIMOTO JPN 2005
1:00.75 SEIJI TAKAHASHI JPN 2005
1:00.98 H.REITEMEYER GER 2011
1:01.55 M.GIAMPIETRO ITA 2013
1:01.64 BRUD CLEAVELAND USA 2007
1:01.79 GEORGE CORONES AUS 2009
1:02.08 BRUNO HAMPEL GER 2014
1:02.56 ALFRED SCHULHOF CAN 2010

100 M. BRST

2:05.18 KARL HAUTER GER 2015
2:15.43 HIROMU YOSHIMOTO JPN 2005
2:20.73 H.REITEMEYER GER 2011
2:23.53 RAYMOND HAKOMAKI USA 2010
2:28.24 BRUD CLEAVELAND USA 2007
2:30.45 ALFRED SCHULHOF CAN 2010
2:30.49 GEORGE CORONES AUS 2008
2:31.40 MASAHISA KANEKO JPN 2002
2:33.07 DENZO WAKAYAMA JPN 2015
2:33.83 A.LISITSKIY RUS 2015

200 M. BRST

4:41.26 KARL HAUTER GER 2017
5:12.25 THOMAS MAINE USA 2015
5:17.47 HIROMU YOSHIMOTO JPN 2005
5:26.11 GEORGE CORONES AUS 2009
5:26.75 H.REITEMEYER GER 2011
5:35.18 MASAHISA KANEKO JPN 2002

# FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2018)

5:42.50 G.CHIZHEVSKIY UKR 2016
5:46.62 DENZO WAKAYAMA JPN 2015
5:49.32 BELA BANKI HUN 2010
5:53.77 JURGEN SCHMIDT USA 2014

50 M. FLY

1:00.30 WALTER PFEIFER USA 2003
1:03.95 FRANK GRANNIS USA 2014
1:05.38 JAN ZIEGLER CZE 2015
1:05.95 ANDREW HOLDEN USA 2009
1:09.14 THOMAS MAINE USA 2015
1:10.34 HEINZ SIEGEL GER 2004
1:11.54 R.REINSTADTLER GER 2002
1:11.57 TOKUSHI KOMEDA JPN 2004
1:11.95 KARL HAUTER GER 2016
1:12.66 ALDO CAPUTI ITA 2005

100 M. FLY

2:23.56 THOMAS MAINE USA 2015
2:31.03 WALTER PFEIFER USA 2003
2:38.92 KARL HAUTER GER 2015
2:46.91 ALDO CAPUTI ITA 2005
2:49.34 FRANK GRANNIS USA 2014
3:29.53 JESSE COON USA 2000
4:11.06 ROBERT DOUD USA 2014

200 M. FLY

5:19.18 THOMAS MAINE USA 2015
5:51.79 WALTER PFEIFER USA 2003
6:05.42 ALDO CAPUTI ITA 2005
8:22.48 JESSE COON USA 2000
9:44.64 ROBERT DOUD USA 2013

200 M. I.M.

4:27.72 KARL HAUTER GER 2015
4:35.62 THOMAS MAINE USA 2015
4:51.03 JAN ZIEGLER CZE 2015
5:02.64 TOKUSHI KOMEDA JPN 2004
5:08.02 FRANK GRANNIS USA 2014
5:12.11 WALTER PFEIFER USA 2003
5:43.35 ALDO CAPUTI ITA 2005
6:10.88 JOHN HARRISON GBR 2005
6:25.78 JESSE COON USA 2000
7:02.80 JIM PENFIELD USA 1998

400 M. I.M.

9:56.43 THOMAS MAINE USA 2015
11:19.91 WALTER PFEIFER USA 2003
13:52.72 JESSE COON USA 2000
17:53.58 ROBERT DOUD USA 2013

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M E N 95-99
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50 M. FREE

45.71 WILLARD LAMB USA 2017
47.30 GEORGE CORONES AUS 2013
48.66 HIDEKAZU TAMURA JPN 2015
55.88 GUS LANGNER USA 1998
56.99 KAZUNAGA AKUTSU JPN 2007
1:03.14 JARING TIMMERMAN CAN 2005
1:04.37 K.MROWCZYNSKI POL 2017
1:06.06 COLLISTER WHEELER USA 1988
1:06.93 ALFREDO CHERCHI AUS 2003
1:07.13 SEBASTIAO SANTOS BRA 2017

100 M. FREE

1:47.59 WILLARD LAMB USA 2017
1:57.54 GEORGE CORONES AUS 2013
2:17.59 KAZUNAGA AKUTSU JPN 2007
2:29.32 GUS LANGNER USA 1998
2:31.44 JARING TIMMERMAN CAN 2005
2:35.95 K.MROWCZYNSKI POL 2017
2:41.42 ALFRED SCHULHOF CAN 2014
2:41.83 HUGH MCGREGOR CAN 2014
2:44.63 JOHN HARRISON GBR 2009
2:52.51 HORVATH BANKI HUN 2015

200 M. FREE

4:04.60 WILLARD LAMB USA 2017
5:13.23 GUS LANGNER USA 1998
5:36.99 K.MROWCZYNSKI POL 2017
5:56.17 JARING TIMMERMAN CAN 2005
5:58.59 HORVATH BANKI HUN 2015
6:21.53 HUGH MCGREGOR CAN 2014
6:28.25 BUD JACKSON USA 2014
6:30.80 GARY WEISENTHAL USA 2008
7:16.59 YOSHIO AKIMOTO JPN 2016
7:27.16 F.GIANNETTA ITA 2012

400 M. FREE

8:43.18 WILLARD LAMB USA 2017
11:30.53 GUS LANGNER USA 1998
12:10.95 K.MROWCZYNSKI POL 2017
12:11.73 HORVATH BANKI HUN 2015
13:19.19 HUGH MCGREGOR CAN 2014
13:43.10 GARY WEISENTHAL USA 2008
19:16.97 JACK MATHIESON AUS 2012
20:38.12 JEAN STORZ FRA 2009
21:45.34 JOHN BRICE AUS 2014

800 M. FREE

17:42.57 WILLARD LAMB USA 2017
22:28.28 GUS LANGNER USA 1998
24:21.10 HORVATH BANKI HUN 2015
28:18.13 GARY WEISENTHAL USA 2008
28:40.69 HUGH MCGREGOR CAN 2014
42:55.70 JACK MATHIESON AUS 2012

1500 M. FREE

33:39.77 WILLARD LAMB USA 2017
47:30.40 GUS LANGNER USA 1999
82:25.34 JACK MATHIESON AUS 2012

50 M. BACK

58.63 WILLARD LAMB USA 2017
1:01.61 TOSHIJI SATO JPN 2010
1:02.35 B.BANKI-HORVATH HUN 2015
1:02.92 KAROL ZEMIER POL 2017
1:03.32 KAZUNAGA AKUTSU JPN 2007
1:07.47 ALFRED SCHULHOF CAN 2014
1:10.06 NORI YAMAMOTO JPN 2005
1:10.49 JEAN LEEMPUT FRA 2009
1:12.16 KAIZO WATANABE JPN 2018
1:12.29 JOHN HARRISON GBR 2009

100 M. BACK

2:11.19 WILLARD LAMB USA 2017
2:22.83 TOSHIJI SATO JPN 2010
2:31.61 KAZUNAGA AKUTSU JPN 2007
2:32.01 B.BANKI-HORVATH HUN 2015
2:41.42 ALFRED SCHULHOF CAN 2014
2:42.01 JOHN HARRISON GBR 2009
2:54.90 NORI YAMAMOTO JPN 2005
3:04.37 GARY WEISENTHAL USA 2008
3:15.35 ALDO CAPUTI ITA 2010
3:19.14 TOM LANE USA 1992

200 M. BACK

4:34.73 WILLARD LAMB USA 2018
5:24.20 HORVATH BANKI HUN 2015
5:30.07 TOSHIJI SATO JPN 2010
6:00.99 JEAN LEEMPUT FRA 2011
6:10.65 JOHN HARRISON GBR 2010
6:38.69 GARY WEISENTHAL USA 2008
8:19.55 ALFREDO CHERCHI AUS 2002
8:23.02 JACK MATHESON AUS 2012

50 M. BRST

1:10.01 GEORGE CORONES AUS 2013
1:10.83 HIROMU YOSHIMOTO JPN 2010
1:16.52 ALFRED SCHULHOF CAN 2014
1:17.55 K.MROWCZYNSKI POL 2017
1:24.88 N.NANNAVECCHIA ITA 2017
1:26.15 KAZUNAGA AKUTSU JPN 2007
1:26.61 GUS LANGNER USA 1998
1:29.09 B.BANKI-HORVATH HUN 2016
1:31.06 BUD JACKSON USA 2014
1:35.45 ROMAN JEZEK CAN 2009

100 M. BRST

2:40.08 HIROMU YOSHIMOTO JPN 2010
2:57.35 GEORGE CORONES AUS 2013
3:16.56 BUD JACKSON USA 2014
3:36.50 ROMAN JEZEK CAN 2009
3:37.59 B.BANKI-HORVATH HUN 2015
3:38.45 GUS LANGNER USA 1998
3:54.74 JACK MATHESON AUS 2012
4:58.20 F.GIANNETTA ITA 2012

200 M. BRST

5:47.31 HIROMU YOSHIMOTO JPN 2010
7:11.65 BUD JACKSON USA 2014
7:29.12 HORVATH BANKI HUN 2015
7:37.17 GUS LANGNER USA 1998
7:54.76 ROMAN JEZEK CAN 2009
8:11.63 JACK MATHESON AUS 2012
12:08.37 F.GIANNETTA ITA 2012

50 M. FLY

1:37.18 ALDO CAPUTI ITA 2010
2:01.41 WALTER PFEIFFER USA 2008
2:40.49 EUGENE LEHMAN CAN 2008

100 M. FLY

4:09.52 WALTER PFEIFFER USA 2008
5:32.26 ROBERT DOUD USA 2018

200 M. FLY

11:47.68 ROBERT DOUD USA 2018
14:05.25 WALTER PFEIFFER USA 2008

200 M. I.M.

8:55.97 WALTER PFEIFFER USA 2008

400 M. I.M.

17:29.20 WALTER PFEIFFER USA 2008
22:47.45 ROBERT DOUD USA 2018

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M E N 100-104
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50 M. FREE

56.12 GEORGE CORONES AUS 2018
1:31.19 JOHN HARRISON GBR 2014
1:40.46 TOM LANE USA 1994
1:47.82 JEAN LEEMPUT FRA 2015
2:15.51 HANS HAHN GER 2008
3:22.65 EDWIN THOMAS USA 1994

100 M. FREE

2:24.21 GEORGE CORONES AUS 2018
3:23.10 JOHN HARRISON GBR 2014
4:05.98 TOM LANE USA 1994

50 M. BACK

1:29.13 JEAN LEEMPUT FRA 2014
1:32.20 JOHN HARRISON GBR 2014
1:50.73 TOM LANE USA 1994
2:25.23 HANS HAHN GER 2008

100 M. BACK

4:13.84 TOM LANE USA 1994
6:01.50 HANS HAHN GER 2008

200 M. BACK

9:04.31 TOM LANE USA 1994

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