

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|             |                   |      |      |         |                   |     |      |             |                   |      |      |
|-------------|-------------------|------|------|---------|-------------------|-----|------|-------------|-------------------|------|------|
| *****       |                   |      |      | 28.45   | G.WOJTWICZ        | POL | 2022 | 59.65       | MARIA UGOLKOVA    | SUI  | 2018 |
| WOMEN 25-29 |                   |      |      | 28.51   | KATIE LATHAM      | GBR | 2022 | 1:00.13     | ANNA POLYAKOVA    | RUS  | 2015 |
| *****       |                   |      |      | 28.53   | LAURENCE FEDRIGO  | SUI | 2018 | 1:00.18     | YUKO NAKANISHI    | JPN  | 2010 |
| 50          | M.                | FREE |      | 28.71   | LAUREN QUIGLEY    | GBR | 2023 | 1:00.24     | EMMA GAGE         | GBR  | 2015 |
| 24.01       | ANNA HOPKIN       | GBR  | 2023 | 28.72   | MASAKO KUROKI     | JPN | 2021 | 1:00.80     | ELINORE DE JONG   | NED  | 2017 |
| 24.73       | AMY SMITH         | GBR  | 2013 | 100     | M. BACK           |     |      | 1:00.93     | NADINE JONES      | AUS  | 2014 |
| 24.94       | ISABELLA HINDLEY  | GBR  | 2023 | 1:00.63 | YURIE OGA         | JPN | 2015 | 1:01.00     | JENNIFER THATER   | GER  | 2018 |
| 25.00       | M.LETANG          | FRA  | 2020 | 1:01.23 | G.WOJTWICZ        | POL | 2022 | 200         | M. FLY            |      |      |
| 25.03       | ANHELINA LYPINSKA | UKR  | 2021 | 1:01.65 | OLGA KLYUCHINKOVA | RUS | 2014 | 2:09.64     | YUKO NAKANISHI    | JPN  | 2010 |
| 25.09       | EMMA GAGE         | GBR  | 2015 | 1:01.76 | MARINA SPADONI    | USA | 2018 | 2:16.37     | MASAKO KUROKI     | JPN  | 2019 |
| 25.29       | JENNIFER THATER   | GER  | 2018 | 1:01.93 | MARIA UGOLKOVA    | SUI | 2018 | 2:17.11     | LISA STAMM        | GER  | 2017 |
| 25.42       | SUMIKA KOMATSU    | JPN  | 2006 | 1:02.07 | MASAKO KUROKI     | JPN | 2018 | 2:17.13     | S. PALMER-WHITE   | AUS  | 1991 |
| 25.52       | L.LOPEZ           | USA  | 2017 | 1:02.23 | JOHANNA ROAS      | GER | 2022 | 2:17.19     | HITOMI MATSUDA    | JPN  | 2006 |
| 25.53       | NATHALIE LARSSON  | SWE  | 2014 | 1:02.32 | AKIKO MIZUMOTO    | JPN | 2007 | 2:17.26     | ANNA MARKOVA      | RUS  | 2014 |
| 100         | M.                | FREE |      | 1:02.35 | VALENTINA CATANIA | ITA | 2023 | 2:17.30     | ANNA POLYAKOVA    | RUS  | 2015 |
| 52.46       | ANNA HOPKIN       | GBR  | 2023 | 1:02.43 | LAUREN QUIGLEY    | GBR | 2023 | 2:17.83     | CLAIRE DONAHUE    | USA  | 2015 |
| 54.16       | AMY SMITH         | GBR  | 2013 | 200     | M. BACK           |     |      | 2:17.87     | SABRINA MARZAHN   | GER  | 2016 |
| 54.44       | YAYOI MATSUMOTO   | JPN  | 2019 | 2:10.37 | TESSA VERMEULEN   | NED | 2023 | 2:18.16     | SITA KUSSEROW     | GER  | 2019 |
| 54.53       | EMMA GAGE         | GBR  | 2015 | 2:12.84 | KANA OHASHI       | JPN | 2005 | 100         | M. I.M.           |      |      |
| 54.92       | MARJOLEIN DELNO   | NED  | 2020 | 2:13.00 | K.BARANOWSKA      | GER | 2015 | 1:01.79     | MASAKO KUROKI     | JPN  | 2019 |
| 55.06       | L.LOPEZ           | USA  | 2017 | 2:14.77 | LIA OBERSTAR      | USA | 2001 | 1:02.17     | MARIA UGOLKOVA    | SUI  | 2018 |
| 55.28       | MARIA FUSTER      | ESP  | 2012 | 2:15.67 | VALENTINA LUCCONI | ITA | 2017 | 1:02.29     | PETRA CHOCOVA     | CZE  | 2014 |
| 55.28       | HANNA SHCHERBA    | FRA  | 2010 | 2:16.29 | ERIN CAMPBELL     | USA | 2013 | 1:03.41     | MEGAN JENDRICK    | USA  | 2011 |
| 55.32       | NADINE JONES      | AUS  | 2014 | 2:16.35 | LAUREN LAVIGNA    | CAN | 2014 | 1:03.62     | A.LYAZEVA         | RUS  | 2021 |
| 55.57       | ISABELLA HINDLEY  | GBR  | 2023 | 2:16.45 | MARION ZOLLER     | GER | 1995 | 1:03.67     | HITOMI MATSUDA    | JPN  | 2005 |
| 200         | M.                | FREE |      | 2:16.59 | THERESE SVENDSEN  | SWE | 2016 | 1:03.72     | AVA OHLGREN       | ESP  | 2016 |
| 1:57.99     | TESSA VERMEULEN   | NED  | 2023 | 2:17.40 | CRISTINA MARDONES | ESP | 2023 | 1:03.79     | ALISA RIEBENSAMH  | GER  | 2018 |
| 1:59.39     | L.LOPEZ           | USA  | 2017 | 50      | M. BRST           |     |      | 1:04.01     | MARINA SPADONI    | USA  | 2018 |
| 1:59.61     | YAYOI MATSUMOTO   | JPN  | 2019 | 30.50   | PETRA CHOCOVA     | CZE | 2014 | 1:04.06     | ANNA KUZMICHEVA   | RUS  | 2015 |
| 1:59.78     | SHEILA TAORMINA   | USA  | 1996 | 30.69   | YUKI TAKASAKI     | JPN | 2023 | 200         | M. I.M.           |      |      |
| 2:01.89     | CAROLINE SAXBY    | GBR  | 2011 | 30.91   | LAURA KINLEY      | GBR | 2022 | 2:17.17     | HITOMI MATSUDA    | JPN  | 2006 |
| 2:02.42     | CHELSEA COLWILL   | USA  | 2016 | 31.01   | ANNA KUZMICHEVA   | RUS | 2015 | 2:17.35     | ERIKO KATO        | JPN  | 2009 |
| 2:02.50     | TATIANA BARBOSA   | BRA  | 2007 | 31.59   | NICOLE HEIDEMANN  | GER | 2011 | 2:17.51     | MASAKO KUROKI     | JPN  | 2018 |
| 2:02.91     | VERONICA BALSANO  | BRA  | 2014 | 31.66   | KATHRYN JOHNSTONE | GBR | 2019 | 2:17.54     | ANNA MARKOVA      | RUS  | 2014 |
| 2:03.77     | ELINORE DE JONG   | NED  | 2017 | 31.85   | M.JEAN-LACHAPELLE | CAN | 2019 | 2:18.23     | YUI FUSEYA        | JPN  | 2023 |
| 2:04.10     | LAURA FERNANDEZ   | ESP  | 2015 | 31.87   | MEGAN JENDRICK    | USA | 2010 | 2:19.33     | LISA STAMM        | GER  | 2017 |
| 400         | M.                | FREE |      | 31.92   | SUVI PULKKINEN    | FIN | 2015 | 2:19.48     | CELINE BAILLOD    | SUI  | 2007 |
| 4:13.71     | TESSA VERMEULEN   | NED  | 2023 | 31.95   | YOSHIMI MIWA      | JPN | 2012 | 2:19.52     | SOFIA STRIPPOLI   | ITA  | 2019 |
| 4:15.74     | SOPHIE CASSON     | GBR  | 2013 | 100     | M. BRST           |     |      | 2:19.54     | VERONICA BALSANO  | BRA  | 2014 |
| 4:16.54     | A.GUZHENKOVA      | RUS  | 2023 | 1:06.83 | PETRA CHOCOVA     | CZE | 2014 | 2:20.34     | AVA OHLGREN       | ESP  | 2016 |
| 4:17.77     | FLAVIA RIGAMONTI  | USA  | 2007 | 1:07.42 | KATHRYN JOHNSTONE | GBR | 2019 | 400         | M. I.M.           |      |      |
| 4:18.20     | CAROLINE SAXBY    | GBR  | 2011 | 1:08.67 | RACHAEL WILSON    | GBR | 2016 | 4:44.98     | K.BARANOWSKA      | GER  | 2015 |
| 4:18.54     | MARION VD BERG    | NED  | 2014 | 1:09.38 | GEORGINA HEYN     | GBR | 2011 | 4:51.12     | LISA STAMM        | GER  | 2017 |
| 4:23.31     | ALISA FATUM       | GER  | 2023 | 1:09.40 | ANNA KUZMICHEVA   | RUS | 2016 | 4:52.13     | HITOMI MATSUDA    | JPN  | 2006 |
| 4:24.18     | SHEILA TAORMINA   | USA  | 1996 | 1:09.47 | HOSOKOSHI SATORI  | JPN | 2020 | 4:52.81     | ERIKO KATO        | JPN  | 2009 |
| 4:25.00     | F.DENGLER-HARLES  | GER  | 2023 | 1:09.55 | SATORI KIKUCHI    | JPN | 2023 | 4:55.85     | KANA OHASHI       | JPN  | 2006 |
| 4:25.58     | PAULINE VANET     | FRA  | 2019 | 1:09.63 | CHISATO KAMIYAMA  | JPN | 2023 | 4:56.01     | CELINE BAILLOD    | SUI  | 2008 |
| 800         | M.                | FREE |      | 1:09.80 | LINDA LUND        | DEN | 2009 | 4:56.98     | ALESSANDRA CORTES | BRA  | 1999 |
| 8:51.18     | SHEILA TAORMINA   | USA  | 1996 | 1:10.04 | MEGAN JENDRICK    | USA | 2012 | 4:57.78     | VERONICA BALSANO  | BRA  | 2016 |
| 8:53.14     | C.OESTRINGER      | SUI  | 2017 | 200     | M. BRST           |     |      | 4:58.92     | LOUISE STEVENSON  | AUS  | 2009 |
| 8:57.39     | HITOMI MATSUDA    | JPN  | 2006 | 2:28.33 | HOSOKOSHI SATORI  | JPN | 2021 | 4:59.20     | AVA OHLGREN       | ESP  | 2016 |
| 8:57.67     | SUSANNE KELLER    | SUI  | 2009 | 2:29.03 | CHISATO KAMIYAMA  | JPN | 2023 | *****       |                   |      |      |
| 9:00.84     | PAULA WOOD        | GBR  | 2007 | 2:29.45 | SATORI KIKUCHI    | JPN | 2023 | WOMEN 30-34 |                   |      |      |
| 9:06.61     | ALISA FATUM       | GER  | 2023 | 2:29.80 | MEGAN JENDRICK    | USA | 2012 | *****       |                   |      |      |
| 9:07.19     | S. PALMER-WHITE   | AUS  | 1991 | 2:30.29 | KATIE HENDERSON   | GBR | 2009 | *****       |                   |      |      |
| 9:07.78     | ANNA MARKOVA      | RUS  | 2014 | 2:30.52 | PETRA CHOCOVA     | CZE | 2015 | 50          | M.                | FREE |      |
| 9:08.09     | MARIE ATKINSON    | GBR  | 2001 | 2:30.83 | CHISATO FUJISIMA  | JPN | 2020 | 24.30       | REBECCA GUY       | GBR  | 2023 |
| 9:10.85     | LAURA LAJUNEN     | FIN  | 2017 | 2:31.18 | HITOMI MATSUDA    | JPN | 2006 | 25.05       | ERICA MORNINGSTAR | CAN  | 2023 |
| 1500        | M.                | FREE |      | 2:31.30 | KATHRYN JOHNSTONE | GBR | 2019 | 25.17       | S.KNYAGINIA       | RUS  | 2014 |
| 16:13.66    | ISABELLE HARLE    | GER  | 2015 | 2:31.44 | GEORGINA HEYN     | GBR | 2011 | 25.30       | GRACIELE HERRMANN | PAR  | 2022 |
| 16:36.07    | SHEILA TAORMINA   | USA  | 1996 | 50      | M. FLY            |     |      | 25.57       | SUMIKA KOMATSU    | JPN  | 2009 |
| 16:47.66    | SUSANNE KELLER    | SUI  | 2009 | 26.14   | ELINORE DE JONG   | NED | 2018 | 25.64       | METTE JACOBSEN    | DEN  | 2006 |
| 17:00.63    | HITOMI MATSUDA    | JPN  | 2006 | 26.30   | MASAKO IDA        | JPN | 2022 | 25.66       | HANNAH KEEN       | GBR  | 2019 |
| 17:15.68    | LENKA PAVLACKA    | CZE  | 2023 | 26.31   | CLAIRE DONAHUE    | USA | 2015 | 25.66       | TATIANA BARBOSA   | BRA  | 2008 |
| 17:16.61    | LAURA LAJUNEN     | FIN  | 2017 | 26.71   | MASAKO KUROKI     | JPN | 2021 | 25.69       | ERIKA ERNDL       | USA  | 2012 |
| 17:19.93    | ALLISON ARNOLD    | USA  | 2017 | 27.08   | NADINE JONES      | AUS | 2014 | 25.77       | HANNAH CALDAS     | USA  | 2011 |
| 17:20.28    | MELODY REMNANT    | AUS  | 2011 | 27.11   | M.LETANG          | FRA | 2020 | 100         | M.                | FREE |      |
| 17:24.96    | PAULA WOOD        | GBR  | 2007 | 27.14   | MOTOMI NAKAMURA   | JPN | 2013 | 54.75       | ERIKA ERNDL       | USA  | 2012 |
| 17:25.08    | KATIE KASTES      | USA  | 2014 | 27.16   | A.LYAZEVA         | RUS | 2021 | 55.03       | MARIA UGOLKOVA    | SUI  | 2019 |
| 50          | M.                | BACK |      | 27.20   | AMY SMITH         | GBR | 2013 | 55.11       | ALENA POPCHANKA   | FRA  | 2009 |
| 27.88       | YURIE OGA         | JPN  | 2015 | 27.24   | L.LOPEZ           | USA | 2017 | 55.59       | TATIANA BARBOSA   | BRA  | 2008 |
| 28.06       | MIKA IKEDA        | JPN  | 2015 | 100     | M. FLY            |     |      | 56.29       | ARA BERGILLOS     | USA  | 2016 |
| 28.10       | GEORGINA PRYOR    | GBR  | 2023 | 58.11   | CLAIRE DONAHUE    | USA | 2015 | 56.32       | HANNAH CALDAS     | USA  | 2011 |
| 28.38       | EMMA SCOBIE       | GBR  | 2022 | 58.98   | GEORGINA PRYOR    | GBR | 2023 | 56.41       | METTE JACOBSEN    | DEN  | 2006 |
| 28.40       | MARINA SPADONI    | USA  | 2018 | 59.50   | MASAKO KUROKI     | JPN | 2021 | 56.48       | PASCALE VERBAUWEN | BEL  | 1993 |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|              |                   |     |      |             |                   |     |      |             |                  |     |      |
|--------------|-------------------|-----|------|-------------|-------------------|-----|------|-------------|------------------|-----|------|
| 56.49        | HITOMI MATSUDA    | JPN | 2010 | 2:17.33     | ROBERTA IOPPI     | ITA | 2016 | 1:02.55     | HITOMI MATSUDA   | JPN | 2010 |
| 56.73        | VERONICA BALSANO  | BRA | 2019 | 2:17.93     | RACHAEL KEIR      | GBR | 2016 | 1:02.82     | MASAKO IDA       | JPN | 2023 |
| 200 M. FREE  |                   |     |      | 2:18.19     | JOANNA CORBEN     | GBR | 2002 | 1:02.89     | THERESA MICHALAK | USA | 2022 |
| 2:00.73      | VERONICA BALSANO  | BRA | 2018 | 2:18.90     | LYDIA VERO        | ESP | 2021 | 1:03.31     | PETRA CHOCOVA    | CZE | 2016 |
| 2:02.03      | SOPHIE CASSON     | GBR | 2017 | 50 M. BRST  |                   |     |      | 1:03.37     | HANNAH CARON     | USA | 2023 |
| 2:02.60      | HITOMI MATSUDA    | JPN | 2010 | 31.02       | PETRA CHOCOVA     | CZE | 2016 | 1:03.94     | SOPHIE TURBAN    | FRA | 2017 |
| 2:03.91      | CAROLINE SAXBY    | GBR | 2013 | 31.12       | BRITTA STEVENS    | GER | 2003 | 200 M. I.M. |                  |     |      |
| 2:04.64      | K PIPES-NEILSEN   | USA | 1996 | 31.35       | NICOLE HEIDEMANN  | GER | 2015 | 2:13.41     | HITOMI MATSUDA   | JPN | 2009 |
| 2:04.65      | CHELSEA B NAUTA   | USA | 2021 | 31.59       | ERICA MORNINGSTAR | CAN | 2023 | 2:16.52     | SOPHIE TURBAN    | FRA | 2016 |
| 2:04.98      | LYNN MARSHALL     | CAN | 1991 | 31.71       | HITOMI MATSUDA    | JPN | 2010 | 2:17.01     | N.VINOKURENKOVA  | RUS | 2014 |
| 2:05.19      | RACHAEL KEIR      | GBR | 2016 | 31.73       | GEORGINA HEYN     | GBR | 2018 | 2:18.79     | K.PIPES-NEILSEN  | USA | 1996 |
| 2:05.68      | BETTINA MERKLE    | GER | 2019 | 31.86       | VITALINA SIMONOVA | RUS | 2023 | 2:18.89     | WENKE HANSEN     | USA | 2000 |
| 2:05.69      | LEONIE VAN NOORT  | NED | 2023 | 32.13       | N.VINOKURENKOVA   | RUS | 2013 | 2:18.99     | VERONICA BALSANO | BRA | 2019 |
| 400 M. FREE  |                   |     |      | 32.17       | HANNAH CALDAS     | USA | 2011 | 2:19.07     | KANA YAMAGUCHI   | JPN | 2010 |
| 4:14.56      | SOPHIE CASSON     | GBR | 2017 | 32.24       | SUVI PULKKINEN    | FIN | 2018 | 2:21.22     | P.GONZALEZ MEGIA | ESP | 2023 |
| 4:17.82      | DAWN HECKMAN      | USA | 2011 | 100 M. BRST |                   |     |      | 2:21.23     | MARISSA CLAPP    | USA | 2017 |
| 4:18.86      | HITOMI MATSUDA    | JPN | 2010 | 1:06.98     | HITOMI MATSUDA    | JPN | 2010 | 2:21.37     | ASAMI KITAGAWA   | JPN | 2018 |
| 4:20.26      | BROOKE BENNETT    | USA | 2012 | 1:07.63     | VITALINA SIMONOVA | RUS | 2023 | 400 M. I.M. |                  |     |      |
| 4:21.80      | CAROLINE SAXBY    | GBR | 2013 | 1:08.46     | PETRA CHOCOVA     | CZE | 2016 | 4:45.07     | HITOMI MATSUDA   | JPN | 2010 |
| 4:22.63      | VERONICA BALSANO  | BRA | 2018 | 1:09.25     | NICOLE HEIDEMANN  | GER | 2016 | 4:50.66     | N.VINOKURENKOVA  | RUS | 2014 |
| 4:22.70      | K PIPES-NEILSEN   | USA | 1996 | 1:09.30     | GEORGINA HEYN     | GBR | 2017 | 4:51.23     | CHELSEA B NAUTA  | USA | 2019 |
| 4:22.75      | YWETTA HLAVACOVA  | CZE | 2006 | 1:09.58     | N.VINOKURENKOVA   | RUS | 2013 | 4:51.33     | HIDEKO HIRANAKA  | JPN | 2004 |
| 4:22.77      | ERIKA HANSEN      | USA | 2003 | 1:10.00     | WENKE HANSEN      | USA | 2000 | 4:53.69     | VERONICA BALSANO | BRA | 2021 |
| 4:23.81      | CHIIHIRO KOGA     | JPN | 2022 | 1:10.75     | SOPHIE TURBAN     | FRA | 2017 | 4:53.85     | K PIPES-NEILSEN  | USA | 1996 |
| 800 M. FREE  |                   |     |      | 1:11.33     | SUSANNE HOCK      | GER | 2015 | 4:54.95     | MARISSA CLAPP    | USA | 2017 |
| 8:38.58      | DAWN HECKMAN      | USA | 2011 | 1:11.47     | KATHRYN GILL      | GBR | 2019 | 4:55.62     | KANA YAMAGUCHI   | JPN | 2010 |
| 8:42.57      | SOPHIE CASSON     | GBR | 2017 | 200 M. BRST |                   |     |      | 4:58.16     | KANA OHASHI      | JPN | 2009 |
| 8:53.61      | BROOKE BENNETT    | USA | 2012 | 2:25.91     | VITALINA SIMONOVA | RUS | 2023 | 4:58.66     | MAREN SPIETZACK  | GER | 2018 |
| 8:54.86      | HITOMI MATSUDA    | JPN | 2010 | 2:26.96     | HITOMI MATSUDA    | JPN | 2009 | *****       |                  |     |      |
| 9:01.21      | KIRSTEN CAMERON   | NZL | 2007 | 2:30.65     | WENKE HANSEN      | USA | 2000 | WOMEN 35-39 |                  |     |      |
| 9:06.49      | ERIKA HANSEN      | USA | 2003 | 2:32.71     | GEORGINA HEYN     | GBR | 2018 | *****       |                  |     |      |
| 9:08.32      | LYNN MARSHALL     | CAN | 1993 | 2:32.78     | NICOLE HEIDEMANN  | GER | 2016 | 50 M. FREE  |                  |     |      |
| 9:08.34      | K.PIPES-NEILSEN   | USA | 1996 | 2:33.57     | N.VINOKURENKOVA   | RUS | 2014 | 25.10       | DARA TORRES      | USA | 2006 |
| 9:11.69      | RACHAEL KEIR      | GBR | 2016 | 2:33.63     | ADELINE THENOT    | FRA | 2022 | 25.82       | SANDRA KAZIKOVA  | CZE | 2011 |
| 9:14.03      | ASA NEIJ          | SWE | 2004 | 2:33.94     | PETRA CHOCOVA     | CZE | 2016 | 25.91       | OLESYA BOUROVA   | ITA | 2015 |
| 1500 M. FREE |                   |     |      | 2:34.30     | P.GONZALEZ MEGIA  | ESP | 2023 | 25.93       | IRINA SLEMOVA    | RUS | 2023 |
| 16:26.93     | DAWN HECKMAN      | USA | 2011 | 2:35.00     | KATHRYN GILL      | GBR | 2019 | 25.93       | JOHANNA SJOBERG  | SWE | 2016 |
| 17:01.56     | KIRSTEN CAMERON   | NZL | 2007 | 50 M. FLY   |                   |     |      | 26.05       | M.VALKO          | USA | 2011 |
| 17:02.39     | SOPHIE CASSON     | GBR | 2018 | 26.67       | MASAKO IDA        | JPN | 2023 | 26.11       | CLAIRE VILSHED   | SWE | 2018 |
| 17:13.38     | HITOMI MATSUDA    | JPN | 2007 | 26.70       | MARIA UGOLKOVA    | SUI | 2019 | 26.13       | S.NEILSON-BELL   | USA | 1995 |
| 17:16.22     | CATHERINE BREED   | USA | 2023 | 26.77       | REBECCA GUY       | GBR | 2023 | 26.18       | KATJA OTTO       | GER | 2019 |
| 17:18.98     | MATSUSHITA AYAKA  | JPN | 2023 | 26.79       | MARTINA MORAVCOVA | USA | 2006 | 26.22       | LAURA ROCA       | ESP | 2016 |
| 17:21.99     | LYNN MARSHALL     | CAN | 1992 | 27.08       | YUKA KATO         | JPN | 2016 | 100 M. FREE |                  |     |      |
| 17:23.60     | KAREN BURTON      | USA | 1994 | 27.08       | S.KNYAGINIA       | RUS | 2014 | 54.95       | DARA TORRES      | USA | 2006 |
| 17:25.33     | BROOKE BENNETT    | USA | 2011 | 27.30       | IRINA SLEMOVA     | RUS | 2016 | 57.12       | LAURA ROCA       | ESP | 2015 |
| 17:33.66     | KELLY HIGGINS     | AUS | 2011 | 27.53       | HANNAH CARON      | USA | 2023 | 57.48       | ZOE CRAY         | GBR | 2010 |
| 50 M. BACK   |                   |     |      | 27.68       | A.LYAZEVA         | RUS | 2023 | 57.60       | HITOMI MATSUDA   | JPN | 2014 |
| 27.43        | MAI NAKAMURA      | JPN | 2009 | 27.81       | METTE JACOBSEN    | DEN | 2006 | 57.65       | K PIPES-NEILSEN  | USA | 2000 |
| 27.61        | NORIKO INADA      | USA | 2009 | 100 M. FLY  |                   |     |      | 57.77       | VERONICA BALSANO | BRA | 2023 |
| 28.95        | CARLA STAMPFLI    | SUI | 2016 | 59.08       | MARIA UGOLKOVA    | SUI | 2019 | 57.79       | KARIN SEICK      | GER | 1996 |
| 28.97        | C.BERTONCELLO     | ARG | 2023 | 59.11       | MARTINA MORAVCOVA | USA | 2006 | 57.80       | ELISABETH PHARR  | FRA | 2019 |
| 28.99        | METTE JACOBSEN    | DEN | 2006 | 59.82       | ANNA POLYAKOVA    | RUS | 2016 | 57.84       | MARIETTA UHLE    | GER | 2018 |
| 29.28        | ALENA NYVITOVA    | CZE | 2013 | 1:00.11     | METTE JACOBSEN    | DEN | 2006 | 57.94       | R.CRESCENTINI    | ITA | 2014 |
| 29.30        | S.CARTAPANI       | ITA | 2023 | 1:00.34     | ERIKA ERNDL       | USA | 2012 | 200 M. FREE |                  |     |      |
| 29.33        | YURIE OGA         | JPN | 2023 | 1:00.35     | HITOMI MATSUDA    | JPN | 2008 | 2:02.89     | VERONICA BALSANO | PAR | 2023 |
| 29.37        | NATASHA SUNDIN    | SWE | 2020 | 1:01.14     | MASAKO IDA        | JPN | 2023 | 2:03.12     | HITOMI MATSUDA   | JPN | 2012 |
| 29.41        | RYO SAWADA        | JPN | 2019 | 1:01.19     | CLAUDIA BECK      | GER | 2011 | 2:03.56     | K PIPES-NEILSEN  | USA | 1997 |
| 100 M. BACK  |                   |     |      | 1:01.66     | KENDRA CHERNOFF   | CAN | 2023 | 2:04.92     | LAURA ROCA       | ESP | 2015 |
| 59.53        | NORIKO INADA      | USA | 2009 | 1:01.83     | S.TURBAN          | FRA | 2017 | 2:05.07     | SOPHIE CASSON    | GBR | 2020 |
| 1:00.90      | KANA YAMAGUCHI    | JPN | 2010 | 200 M. FLY  |                   |     |      | 2:05.70     | KIRSTEN CAMERON  | NZL | 2010 |
| 1:02.23      | CARLA STAMPFLI    | SUI | 2016 | 2:13.09     | HITOMI MATSUDA    | JPN | 2008 | 2:06.18     | LAUREN WELTING   | USA | 2000 |
| 1:02.26      | MARIA UGOLKOVA    | SUI | 2019 | 2:18.41     | VERONICA BALSANO  | BRA | 2018 | 2:06.68     | E.CHAMBON-PHARR  | FRA | 2018 |
| 1:02.55      | YURIE OGA         | JPN | 2023 | 2:19.34     | LAURA BIANZANI    | ITA | 2004 | 2:06.86     | JILL HERNANDEZ   | USA | 1999 |
| 1:02.88      | METTE JACOBSEN    | DEN | 2006 | 2:19.34     | KATRINA RADKE     | USA | 2003 | 2:06.96     | D GRANER GALLAS  | USA | 1999 |
| 1:03.15      | VERONICA NERI     | ITA | 2023 | 2:19.64     | K PIPES-NEILSEN   | USA | 1996 | 400 M. FREE |                  |     |      |
| 1:03.33      | C.BERTONCELLO     | ARG | 2023 | 2:20.41     | L. CARVALHO       | AUS | 2011 | 4:19.96     | SOPHIE CASSON    | GBR | 2023 |
| 1:03.36      | K.PIPES-NEILSEN   | USA | 1996 | 2:20.53     | T.BENISON         | CAN | 2018 | 4:22.56     | K PIPES-NEILSEN  | USA | 1999 |
| 1:03.42      | KATHARINA FISCHER | GER | 2022 | 2:21.21     | FLORENCE CIOTTI   | ITA | 2006 | 4:23.74     | VERONICA BALSANO | PAR | 2023 |
| 200 M. BACK  |                   |     |      | 2:21.70     | EBBA ROSENQUIST   | SWE | 2019 | 4:24.56     | LAUREN WELTING   | USA | 2000 |
| 2:11.86      | KANA YAMAGUCHI    | JPN | 2012 | 2:21.85     | VIKTORIA FELDOLDI | HUN | 2019 | 4:25.52     | CINDY BERTELINK  | CAN | 2013 |
| 2:12.47      | L.OBERSTAR-BROWN  | USA | 2008 | 100 M. I.M. |                   |     |      | 4:26.00     | HITOMI MATSUDA   | JPN | 2012 |
| 2:13.51      | K.PIPES-NEILSEN   | USA | 1996 | 1:01.53     | MARIA UGOLKOVA    | SUI | 2019 | 4:26.57     | JILL HERNANDEZ   | USA | 1999 |
| 2:13.97      | SOPHIE CASSON     | GBR | 2017 | 1:02.07     | MARTINA MORAVCOVA | USA | 2006 | 4:27.62     | VALERIA VERGANI  | ITA | 2006 |
| 2:16.61      | C.FERREIRA        | USA | 2017 | 1:02.15     | ERICA MORNINGSTAR | CAN | 2023 | 4:28.12     | MAREN SPIETZACK  | GER | 2022 |
| 2:17.04      | CARLA STAMPFLI    | SUI | 2017 | 1:02.52     | ERIKA ERNDL       | USA | 2012 |             |                  |     |      |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|              |                   |     |      |             |                   |     |      |              |                   |     |      |
|--------------|-------------------|-----|------|-------------|-------------------|-----|------|--------------|-------------------|-----|------|
| 4:28.14      | CYNTHIA LEWIS     | USA | 2014 | 1:11.11     | GEORGINA HEYN     | GBR | 2022 | 5:02.22      | LAUREEN WELTING   | USA | 2000 |
| 800 M. FREE  |                   |     |      | 1:11.65     | N.VINOKURENKOVA   | RUS | 2018 | 5:04.18      | MAREN SPIETZACK   | GER | 2022 |
| 8:50.76      | SOPHIE CASSON     | GBR | 2020 | 1:11.97     | CAROLINE KRATTLI  | USA | 2000 | 5:07.20      | CAROLINA BENEYTO  | ESP | 2015 |
| 8:57.30      | KIRSTEN CAMERON   | NZL | 2010 | 200 M. BRST |                   |     |      | 5:08.03      | CYNTHIA LEWIS     | USA | 2011 |
| 8:57.60      | HEIDI GEORGE      | USA | 2015 | 2:30.63     | HITOMI MATSUDA    | JPN | 2012 | 5:09.04      | CINDY BERTELINK   | CAN | 2013 |
| 9:02.52      | HITOMI MATSUDA    | JPN | 2012 | 2:32.68     | DANIELLE HERRMANN | USA | 2022 | *****        |                   |     |      |
| 9:12.97      | ALISON ZAMANIAN   | USA | 2006 | 2:33.73     | CYNTHIA LEWIS     | USA | 2014 | WOMEN 40-44  |                   |     |      |
| 9:13.05      | ASA NEIJ          | SWE | 2008 | 2:34.85     | BRITTA O'LEARY    | USA | 2022 | *****        |                   |     |      |
| 9:14.27      | LAURIE HUG        | USA | 2000 | 2:35.15     | NICOLE HEIDEMANN  | GER | 2017 | 50 M. FREE   |                   |     |      |
| 9:14.70      | EMMA WILLS        | GBR | 2018 | 2:36.04     | CAROLINE KRATTLI  | USA | 2000 | 26.02        | ERIKA BRAUN       | USA | 2014 |
| 9:14.92      | KRISTINA ULVELING | USA | 2008 | 2:36.27     | GEORGINA HEYN     | GBR | 2019 | 26.28        | KATJA OTTO        | GER | 2021 |
| 9:15.40      | K PIPES-NEILSEN   | USA | 1998 | 2:36.84     | YUKO MORITA       | JPN | 2012 | 26.39        | OLESSIA BOUROVA   | ITA | 2020 |
| 1500 M. FREE |                   |     |      | 2:37.09     | KJERSTI HERNAES   | NOR | 2018 | 26.40        | MARIKA JOHANSSON  | SWE | 2008 |
| 16:52.94     | HEIDI GEORGE      | USA | 2015 | 2:37.13     | KATIE GLENN       | USA | 2015 | 26.50        | LISA BLACKBURN    | USA | 2015 |
| 17:07.48     | KIRSTEN CAMERON   | NZL | 2010 | 50 M. FLY   |                   |     |      | 26.60        | SANDRA KAZIKOVA   | CZE | 2016 |
| 17:26.96     | EMMA WILLS        | GBR | 2018 | 27.29       | DANIELLE HERRMANN | USA | 2022 | 26.66        | SOPHIA SKOU       | DEN | 2018 |
| 17:27.84     | LAURIE HUG        | USA | 2000 | 27.45       | NORIKO INADA      | USA | 2015 | 26.66        | S.NEILSON-BELL    | USA | 1996 |
| 17:30.90     | HITOMI MATSUDA    | JPN | 2014 | 27.69       | PETRA WEBER       | CZE | 2023 | 26.67        | EDITH OTTERMANN   | RSA | 2007 |
| 17:35.69     | PENNY BOND        | AUS | 1997 | 27.76       | IRINA SHLEMOVA    | RUS | 2019 | 26.69        | EKATERINA YUDINA  | RUS | 2017 |
| 17:36.24     | K PIPES-NEILSEN   | USA | 1999 | 27.83       | JOHANNA SJOBERG   | SWE | 2016 | 100 M. FREE  |                   |     |      |
| 17:36.58     | KRISTINA ULVELING | USA | 2008 | 27.96       | ANNA POLYAKOVA    | RUS | 2021 | 57.08        | ERIKA BRAUN       | USA | 2014 |
| 17:42.37     | ASA NEIJ          | SWE | 2010 | 28.14       | VICTORIA READING  | GBR | 2023 | 57.20        | LISA BLACKBURN    | USA | 2015 |
| 17:43.10     | BETH KNIGHT       | USA | 1994 | 28.15       | RINA HATANO       | JPN | 2021 | 57.55        | S.VON DER LIPPE   | USA | 2008 |
| 50 M. BACK   |                   |     |      | 28.21       | MANUELA MORANO    | ARG | 2023 | 57.60        | K PIPES-NEILSEN   | USA | 2003 |
| 27.63        | NORIKO INADA      | USA | 2016 | 28.28       | R.CRESCENTINI     | ITA | 2013 | 58.18        | RAAKEL LUOTO      | FIN | 2017 |
| 28.68        | SHERI HART        | USA | 2009 | 100 M. FLY  |                   |     |      | 58.37        | JENNIFER MIHALIK  | USA | 2021 |
| 28.97        | ERI TABEI         | JPN | 2023 | 1:01.31     | CAROLINA SARRUF   | BRA | 2021 | 58.48        | KATJA OTTO        | GER | 2021 |
| 29.00        | GISELI PEREIRA    | BRA | 2009 | 1:01.88     | HITOMI MATSUDA    | JPN | 2014 | 58.61        | F.TRAVAGLINI      | ITA | 2016 |
| 29.34        | ZOE CRAY          | GBR | 2009 | 1:01.96     | DIANE BUI DUYET   | FRA | 2015 | 58.70        | KATIE GRIER       | USA | 2019 |
| 29.74        | ALISON LAMARE     | FRA | 2019 | 1:01.98     | DANIELLE HERRMANN | USA | 2022 | 58.79        | ELISABETH PHARR   | FRA | 2022 |
| 29.84        | KANA OHASHI       | JPN | 2013 | 1:02.92     | ANNA POLYAKOVA    | RUS | 2021 | 200 M. FREE  |                   |     |      |
| 29.85        | KELLY M HARRIGAN  | USA | 2021 | 1:03.00     | ERIKA VILLAECIJA  | ESP | 2022 | 2:05.26      | K PIPES-NEILSEN   | USA | 2003 |
| 29.91        | CINDY MABEE       | CAN | 2008 | 1:03.07     | DEBBIE YOUNGER    | CAN | 2005 | 2:05.55      | S.VON DER LIPPE   | USA | 2008 |
| 30.05        | VICTORIA READING  | GBR | 2022 | 1:03.29     | K PIPES-NEILSEN   | USA | 1997 | 2:05.90      | CINDY BERTELINK   | CAN | 2016 |
| 100 M. BACK  |                   |     |      | 1:03.32     | MABI TSUKIOKA     | JPN | 2014 | 2:06.81      | JILL HERNANDEZ    | USA | 2000 |
| 1:00.43      | NORIKO INADA      | USA | 2017 | 1:03.35     | RINA HATANO       | JPN | 2021 | 2:07.37      | KATIE GLENN       | USA | 2018 |
| 1:02.36      | SHERI HART        | USA | 2009 | 200 M. FLY  |                   |     |      | 2:07.64      | KIRSTEN CAMERON   | GBR | 2014 |
| 1:02.81      | KANA OHASHI       | JPN | 2013 | 2:14.46     | CAROLINA SARRUF   | BRA | 2021 | 2:08.30      | VALERIA VERGANI   | ITA | 2013 |
| 1:03.11      | GISELI PEREIRA    | BRA | 2009 | 2:16.67     | HITOMI MATSUDA    | JPN | 2012 | 2:09.10      | BIRGIT LOHBERG    | USA | 2009 |
| 1:03.38      | ZOE CRAY          | GBR | 2009 | 2:18.41     | K PIPES-NEILSEN   | USA | 1997 | 2:09.23      | CYNTHIA LEWIS     | USA | 2015 |
| 1:03.56      | K PIPES-NEILSEN   | USA | 1997 | 2:20.92     | V.HADEN-FELFOLDI  | HUN | 2020 | 2:09.32      | BARBARA KEHBEIN   | GER | 2013 |
| 1:03.88      | KELLY M HARRIGAN  | USA | 2021 | 2:21.18     | KYOKO YAMADA      | JPN | 2010 | 400 M. FREE  |                   |     |      |
| 1:04.38      | CARLA STAMPFLI    | SUI | 2022 | 2:21.76     | DEBBIE YOUNGER    | CAN | 2005 | 4:21.75      | K PIPES-NEILSEN   | USA | 2003 |
| 1:04.61      | CINDY MABEE       | CAN | 2008 | 2:22.52     | ILDIKO SZEKELY    | USA | 2014 | 4:22.78      | HEIDI GEORGE      | USA | 2017 |
| 1:04.71      | ALISON LAMARE     | FRA | 2019 | 2:22.57     | CARLA BECKMANN    | GER | 2019 | 4:24.22      | JILL HERNANDEZ    | USA | 2000 |
| 200 M. BACK  |                   |     |      | 2:23.32     | L. CARVALHO       | AUS | 2017 | 4:24.42      | KIRSTEN CAMERON   | GBR | 2014 |
| 2:13.37      | KANA OHASHI       | JPN | 2013 | 2:23.55     | ANNA SPIETZACK    | GER | 2022 | 4:26.19      | CINDY BERTELINK   | CAN | 2016 |
| 2:14.10      | K PIPES-NEILSEN   | USA | 1997 | 100 M. I.M. |                   |     |      | 4:28.58      | VALERIA VERGANI   | ITA | 2013 |
| 2:14.49      | GISELI PEREIRA    | BRA | 2009 | 1:02.76     | PETRA WEBER       | CZE | 2023 | 4:28.58      | AMANDA PICARD     | SUI | 2008 |
| 2:15.50      | KELLY M HARRIGAN  | USA | 2019 | 1:03.17     | HITOMI MATSUDA    | JPN | 2012 | 4:30.34      | KATIE GLENN       | USA | 2017 |
| 2:17.11      | SOPHIE CASSON     | GBR | 2023 | 1:03.94     | DANIELLE HERRMANN | USA | 2022 | 4:32.29      | ELISABETH PHARR   | FRA | 2022 |
| 2:17.61      | C.J-SPONSELLER    | SWE | 2012 | 1:04.61     | SHERI HART        | USA | 2009 | 4:32.38      | ALISON ZAMANIAN   | USA | 2011 |
| 2:19.82      | JOANNA CORBEN     | GBR | 2006 | 1:04.72     | VERONICA BALSANO  | PAR | 2023 | 800 M. FREE  |                   |     |      |
| 2:19.96      | KANA MORIHISA     | JPN | 2017 | 1:04.86     | BRITTA O'LEARY    | USA | 2020 | 8:55.34      | KIRSTEN CAMERON   | GBR | 2016 |
| 2:22.03      | HITOMI MATSUDA    | JPN | 2012 | 1:04.88     | GEORGINA HEYN     | GBR | 2022 | 8:55.95      | HEIDI GEORGE      | USA | 2017 |
| 2:22.08      | CINDY MABEE       | CAN | 2008 | 1:05.01     | LAURA ROCA        | ESP | 2017 | 9:09.71      | K PIPES-NEILSEN   | USA | 2003 |
| 50 M. BRST   |                   |     |      | 1:05.40     | K PIPES-NEILSEN   | USA | 2000 | 9:16.07      | AMANDA PICARD     | SUI | 2008 |
| 30.96        | PETRA WEBER       | CZE | 2023 | 1:05.53     | ZOE CRAY          | GBR | 2009 | 9:18.17      | ALISON ZAMANIAN   | USA | 2011 |
| 31.25        | DANIELLE HERRMANN | USA | 2022 | 200 M. I.M. |                   |     |      | 9:19.15      | VALERIA VERGANI   | ITA | 2012 |
| 31.66        | NICOLE HEIDEMANN  | GER | 2018 | 2:17.24     | VERONICA BALSANO  | BRA | 2023 | 9:19.60      | ELISABETH PHARR   | FRA | 2022 |
| 31.87        | HITOMI MATSUDA    | JPN | 2012 | 2:17.69     | HITOMI MATSUDA    | JPN | 2012 | 9:20.78      | EMMA WILLS        | GBR | 2023 |
| 32.13        | LINLEY FRAME      | AUS | 2010 | 2:19.08     | K PIPES-NEILSEN   | USA | 2000 | 9:21.44      | LYNN MARSHALL     | CAN | 2001 |
| 32.35        | R.CRESCENTINI     | ITA | 2012 | 2:20.63     | N.VINOKURENKOVA   | RUS | 2018 | 9:25.42      | REBECA SANTOS     | ESP | 2017 |
| 32.48        | KATIE GLENN       | USA | 2015 | 2:20.99     | LAURA ROCA        | ESP | 2016 | 1500 M. FREE |                   |     |      |
| 32.65        | N.VINOKURENKOVA   | RUS | 2018 | 2:22.19     | CYNTHIA LEWIS     | USA | 2014 | 16:50.92     | HEIDI GEORGE      | USA | 2017 |
| 32.86        | GEORGINA HEYN     | GBR | 2021 | 2:22.54     | KANA OHASHI       | JPN | 2013 | 17:01.66     | KIRSTEN CAMERON   | GBR | 2015 |
| 32.89        | ANNA-KARIN LUNDIN | SWE | 2011 | 2:22.63     | BRITTA O'LEARY    | USA | 2021 | 17:33.16     | EMMA WILLS        | GBR | 2023 |
| 100 M. BRST  |                   |     |      | 2:23.47     | DEBBIE YOUNGER    | CAN | 2005 | 17:35.49     | ALISON ZAMANIAN   | USA | 2010 |
| 1:08.49      | PETRA WEBER       | CZE | 2023 | 2:23.52     | MAREN SPIETZACK   | GER | 2022 | 17:36.73     | VALERIA VERGANI   | ITA | 2013 |
| 1:08.59      | DANIELLE HERRMANN | USA | 2022 | 400 M. I.M. |                   |     |      | 17:38.37     | LYNN MARSHALL     | CAN | 2002 |
| 1:09.07      | NICOLE HEIDEMANN  | GER | 2018 | 4:52.83     | K PIPES-NEILSEN   | USA | 1997 | 17:45.50     | K PIPES-NEILSEN   | USA | 2003 |
| 1:09.20      | HITOMI MATSUDA    | JPN | 2012 | 4:55.44     | VERONICA BALSANO  | PAR | 2023 | 17:52.93     | N.MUIR-COCHRANE   | GBR | 2004 |
| 1:09.41      | CYNTHIA LEWIS     | USA | 2014 | 4:55.84     | HITOMI MATSUDA    | JPN | 2012 | 17:55.11     | AMANDA PICARD     | SUI | 2009 |
| 1:10.59      | KATIE GLENN       | USA | 2015 | 5:00.31     | N.VINOKURENKOVA   | RUS | 2018 | 18:02.62     | SUZANN HEIM-BOWEN | USA | 1998 |
| 1:10.65      | LINLEY FRAME      | AUS | 2010 | 5:01.26     | KANA OHASHI       | JPN | 2013 |              |                   |     |      |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|                          |          |                          |          |                            |          |
|--------------------------|----------|--------------------------|----------|----------------------------|----------|
| 50 M. BACK               |          | 28.86 SILVIA PAROCCHI    | ITA 2007 | 57.89 ERIKA BRAUN          | USA 2018 |
| 29.11 RAAKEL LUOTO       | FIN 2018 | 28.91 MUTSUMI AWAZU      | JPN 2023 | 58.24 LISA BLACKBURN       | USA 2017 |
| 29.84 ZOE CRAY           | GBR 2014 | 28.91 SOPHIA SKOU        | DEN 2018 | 58.43 MARIE FUZZATI        | FRA 2014 |
| 29.96 GISELI PEREIRA     | BRA 2012 | 100 M. FLY               |          | 58.61 K.PIPES-NEILSEN      | USA 2007 |
| 30.00 CINDY MABEE        | CAN 2009 | 1:01.70 S.VON DER LIPPE  | USA 2009 | 59.30 ANNA HAMMAR          | SWE 2013 |
| 30.02 SHERI HART         | USA 2012 | 1:03.31 K PIPES-NEILSEN  | USA 2003 | 59.58 SARAH MACDONALD      | CAN 2005 |
| 30.12 KANA MORIHISA      | JPN 2020 | 1:03.76 SOPHIA SKOU      | DEN 2015 | 59.64 BARBARA KEHBEIN      | GER 2015 |
| 30.23 ANYA GOSTMALSKI    | ISR 2023 | 1:03.78 M.GARCIA SANCHEZ | ESP 2022 | 59.66 MARIA GARRONE        | ARG 2023 |
| 30.42 CRISTINA REY       | ESP 2017 | 1:04.48 NICOLE HEIDEMANN | GER 2023 | 59.68 R.CRESCENTINI        | ITA 2020 |
| 30.55 ALISON LAMARE      | FRA 2023 | 1:04.59 YUKO NAKANISHI   | JPN 2023 | 200 M. FREE                |          |
| 30.55 ANDREA KUTZ        | GER 2013 | 1:04.60 FRAUKE LABARRE   | GER 2018 | 2:05.94 K.PIPES-NEILSEN    | USA 2007 |
| 100 M. BACK              |          | 1:04.85 MABI TSUKIOKA    | JPN 2022 | 2:07.28 KIRSTEN CAMERON    | NED 2022 |
| 1:03.22 RAAKEL LUOTO     | FIN 2018 | 1:04.85 CINDY BERTELINK  | CAN 2019 | 2:09.96 RAQUEL FERNANDEZ   | ESP 2019 |
| 1:03.48 SHERI HART       | USA 2011 | 1:04.91 YOKO YAMAGUCHI   | JPN 2010 | 2:10.32 ELLEN REYNOLDS     | USA 2012 |
| 1:04.16 JENNIFER MIHALIK | USA 2021 | 200 M. FLY               |          | 2:10.47 BARBARA KEHBEIN    | GER 2014 |
| 1:04.30 KANA MORIHISA    | JPN 2019 | 2:20.66 SUSAN VD LIPPE   | USA 2006 | 2:10.76 ERIKA L BRAUN      | USA 2019 |
| 1:04.63 CINDY MABEE      | CAN 2009 | 2:20.71 K PIPES-NEILSEN  | USA 2002 | 2:10.89 KATIE GLENN        | USA 2023 |
| 1:05.43 K PIPES-NEILSEN  | USA 2002 | 2:24.07 HITOMI MATSUDA   | JPN 2017 | 2:10.91 S HEIM-BOWEN       | USA 2003 |
| 1:05.51 KRISTIN GARY     | USA 2011 | 2:24.13 L. CARVALHO      | AUS 2018 | 2:10.94 MARIE FUZZATI      | FRA 2014 |
| 1:05.52 GISELI PEREIRA   | BRA 2012 | 2:24.17 SOPHIA SKOU      | DEN 2018 | 2:11.00 LYNN MARSHALL      | CAN 2006 |
| 1:05.91 JODY SMITH       | USA 2009 | 2:24.83 L. D. CARVALHO   | AUS 2022 | 400 M. FREE                |          |
| 1:06.05 ANYA GOSTMALSKI  | ISR 2023 | 2:25.30 JUDY BROWN       | GBR 2005 | 4:24.86 HEIDI S GEORGE     | USA 2021 |
| 200 M. BACK              |          | 2:26.01 ILDIKO SZEKELY   | USA 2019 | 4:25.34 K.PIPES-NEILSEN    | USA 2009 |
| 2:17.28 KANA MORIHISA    | JPN 2018 | 2:26.07 BIRGIT LOHBERG   | USA 2006 | 4:29.67 KIRSTEN CAMERON    | AUS 2020 |
| 2:17.29 JENNIFER MIHALIK | USA 2021 | 2:26.15 BETH BAKER       | USA 2001 | 4:30.98 S HEIM-BOWEN       | USA 2003 |
| 2:19.06 JODY SMITH       | USA 2009 | 100 M. I.M.              |          | 4:33.09 LYNN MARSHALL      | CAN 2006 |
| 2:19.09 K PIPES-NEILSEN  | USA 2003 | 1:04.19 LISA BLACKBURN   | USA 2015 | 4:34.96 ALISON H ZAMANIAN  | USA 2019 |
| 2:21.95 JOANNA CORBEN    | GBR 2012 | 1:04.25 S.VON DER LIPPE  | USA 2008 | 4:35.44 VALERIA VERGANI    | ITA 2016 |
| 2:22.02 CINDY MABEE      | CAN 2009 | 1:04.62 RAAKEL LUOTO     | FIN 2017 | 4:38.46 STEPHANIE STONE    | USA 2014 |
| 2:22.06 ELISABETH PHARR  | FRA 2023 | 1:05.56 K PIPES-NEILSEN  | USA 2003 | 4:38.71 SUSANNA ROSEN      | SWE 2010 |
| 2:22.14 GISELI PEREIRA   | BRA 2014 | 1:06.23 CYNTHIA LEWIS    | USA 2018 | 4:39.27 CERI EDWARDS       | GBR 2023 |
| 2:22.68 KRISTIN GARY     | USA 2008 | 1:06.49 KANA MORIHISA    | JPN 2018 | 800 M. FREE                |          |
| 2:23.22 SILVIA PAROCCHI  | ITA 2006 | 1:06.66 NICOLE HEIDEMANN | GER 2023 | 9:01.09 HEIDI GEORGE       | USA 2023 |
| 50 M. BRST               |          | 1:06.90 ERIKA BRAUN      | USA 2016 | 9:10.26 KIRSTEN CAMERON    | AUS 2020 |
| 31.81 NICOLE HEIDEMANN   | GER 2022 | 1:06.91 SHERI HART       | USA 2011 | 9:11.37 K.PIPES-NEILSEN    | USA 2009 |
| 32.16 KATIE GLENN        | USA 2018 | 1:06.97 HITOMI MATSUDA   | JPN 2018 | 9:21.65 LYNN MARSHALL      | CAN 2006 |
| 32.20 LINLEY FRAME       | AUS 2012 | 200 M. I.M.              |          | 9:21.83 ALISON ZAMANIAN    | USA 2016 |
| 32.29 S.VON DER LIPPE    | USA 2009 | 2:19.21 S.VON DER LIPPE  | USA 2007 | 9:25.12 SUSANNA ROSEN      | SWE 2010 |
| 33.03 R.CRESCENTINI      | ITA 2015 | 2:19.83 LISA BLACKBURN   | USA 2015 | 9:27.44 SUZANN HEIM-BOWEN  | USA 2004 |
| 33.16 ISABEL FIGUEIRA    | POR 2019 | 2:20.55 K PIPES-NEILSEN  | USA 2003 | 9:32.71 CERI EDWARDS       | GBR 2023 |
| 33.40 LISA BLACKBURN     | USA 2015 | 2:22.51 JILL HERNANDEZ   | USA 2000 | 9:35.81 CLAUDIA KERN       | GER 2009 |
| 33.67 CAROLINE KRATTLI   | USA 2003 | 2:22.60 HITOMI MATSUDA   | JPN 2017 | 9:39.79 DIANA SZOKOL       | HUN 2017 |
| 33.69 STEFANIA MONTI     | ITA 2010 | 2:24.22 WENKE SEIDER     | USA 2013 | 1500 M. FREE               |          |
| 33.81 ANNA HAMMAR        | SWE 2012 | 2:24.86 MIRELA SANCHEZ   | ESP 2021 | 17:01.27 HEIDI GEORGE      | USA 2023 |
| 100 M. BRST              |          | 2:25.86 BIRGIT LOHBERG   | USA 2006 | 17:22.01 ALISON ZAMANIAN   | USA 2015 |
| 1:09.95 CYNTHIA LEWIS    | USA 2015 | 2:25.97 KANA MORIHISA    | JPN 2018 | 17:27.87 KIRSTEN CAMERON   | AUS 2020 |
| 1:10.01 KATIE GLENN      | USA 2017 | 2:26.46 DAWN PALMER      | GBR 2016 | 17:46.32 LYNN MARSHALL     | CAN 2007 |
| 1:10.16 NICOLE HEIDEMANN | GER 2022 | 400 M. I.M.              |          | 17:50.64 SUZANN HEIM-BOWEN | USA 2004 |
| 1:10.22 LINLEY FRAME     | AUS 2015 | 5:00.82 K PIPES-NEILSEN  | USA 2002 | 17:57.50 VALERIA VERGANI   | ITA 2016 |
| 1:10.55 S.VON DER LIPPE  | USA 2007 | 5:00.90 HITOMI MATSUDA   | JPN 2017 | 18:15.81 CERI EDWARDS      | GBR 2023 |
| 1:11.95 HITOMI MATSUDA   | JPN 2017 | 5:02.17 JILL HERNANDEZ   | USA 2000 | 18:22.34 STACEY L BRUCE    | USA 2020 |
| 1:12.08 CAROLINE KRATTLI | USA 2003 | 5:03.49 SUSAN VD LIPPE   | USA 2006 | 18:23.90 LAURIE HUG        | USA 2011 |
| 1:12.32 LISA BLACKBURN   | USA 2013 | 5:05.07 CYNTHIA LEWIS    | USA 2015 | 18:28.87 NICOLE P VAN NOOD | USA 2019 |
| 1:12.47 HELEN GORMAN     | GBR 2014 | 5:06.66 MIRELA SANCHEZ   | ESP 2021 | 50 M. BACK                 |          |
| 1:13.16 MARZENA KULIS    | ITA 2007 | 5:08.31 CINDY BERTELINK  | CAN 2017 | 29.52 RAAKEL LUOTO         | FIN 2020 |
| 200 M. BRST              |          | 5:11.10 VALERIA VERGANI  | ITA 2013 | 30.25 CINDY MABEE          | CAN 2014 |
| 2:32.17 NICOLE HEIDEMANN | GER 2022 | 5:12.94 DAWN PALMER      | GBR 2016 | 30.49 ANDREA KUTZ          | GER 2019 |
| 2:32.37 S.VON DER LIPPE  | USA 2008 | 5:13.39 BIRGIT LOHBERG   | USA 2006 | 30.54 JENNIFER MIHALIK     | USA 2023 |
| 2:34.92 HITOMI MATSUDA   | JPN 2017 | *****                    |          | 30.54 KANA MORIHISA        | JPN 2023 |
| 2:35.79 LINLEY FRAME     | AUS 2011 | *****                    |          | 30.58 K.PIPES-NEILSEN      | USA 2007 |
| 2:36.56 HELEN GORMAN     | GBR 2014 | WOMEN 45-49              |          | 30.70 SUSAN WILLIAMS       | USA 2013 |
| 2:37.59 KATIE GLENN      | USA 2018 | *****                    |          | 30.82 MICHELLE WARE        | GBR 2018 |
| 2:38.20 CYNTHIA LEWIS    | USA 2015 | 50 M. FREE               |          | 31.02 GISELI PEREIRA       | BRA 2017 |
| 2:39.05 LISA BLACKBURN   | CAN 2013 | 26.29 ERIKA BRAUN        | USA 2018 | 31.05 MARIA GARRONE        | ARG 2023 |
| 2:39.10 CAROLINE KRATTLI | USA 2002 | 26.37 MARIE FUZZATI      | FRA 2013 | 100 M. BACK                |          |
| 2:41.84 KJERSTI HERNAES  | NOR 2019 | 26.54 JENNIFER MIHALIK   | USA 2023 | 1:04.11 JENNIFER MIHALIK   | USA 2023 |
| 50 M. FLY                |          | 26.59 EDITH OTTERMANN    | RSA 2011 | 1:04.46 K.PIPES-NEILSEN    | FRA 2009 |
| 28.13 GABRIELE BLANK     | GER 2006 | 26.91 ANDREA KUTZ        | GER 2017 | 1:04.49 CINDY MABEE        | CAN 2014 |
| 28.19 ERIKA BRAUN        | USA 2013 | 26.94 JENNIE BUCKNELL    | AUS 2015 | 1:04.93 KANA MORIHISA      | JPN 2023 |
| 28.21 SUSAN VD LIPPE     | USA 2005 | 26.96 MARIKA JOHANSSON   | SWE 2011 | 1:05.51 ELLEN REYNOLDS     | USA 2012 |
| 28.31 MABI TSUKIOKA      | JPN 2023 | 27.02 OLGA BORISOVA      | RUS 2012 | 1:05.76 JOANNA CORBEN      | GBR 2018 |
| 28.33 R.CRESCENTINI      | ITA 2015 | 27.05 MARIA GARRONE      | ARG 2023 | 1:06.05 C.J-SPONSELLER     | SWE 2019 |
| 28.58 IRINA SHIBAEVA     | ARG 2023 | 27.09 K.PIPES-NEILSEN    | USA 2007 | 1:06.34 GISELI PEREIRA     | BRA 2017 |
| 28.66 ANYA GOSTMALSKI    | ISR 2023 | 100 M. FREE              |          | 1:06.41 RAAKEL LUOTO       | FIN 2022 |
| 28.80 RAAKEL LUOTO       | FIN 2019 | 57.53 JENNIFER MIHALIK   | USA 2023 | 1:07.41 SUSAN WILLIAMS     | USA 2011 |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)

|                           |          |                           |          |                            |          |
|---------------------------|----------|---------------------------|----------|----------------------------|----------|
| 200 M. BACK               |          | 2:29.32 SUZANNE SIMPSON   | USA 2005 | 4:35.54 S.HEIM-BOWEN       | USA 2009 |
| 2:18.15 K.PIPES-NEILSEN   | FRA 2009 | 2:30.21 ALISON ZAMANIAN   | USA 2017 | 4:35.80 JILL HERNANDEZ     | USA 2013 |
| 2:19.55 JENNIFER MIHALIK  | USA 2023 | 100 M. I.M.               |          | 4:36.24 TIZIANA PAPANDREA  | ITA 2023 |
| 2:20.17 JOANNA CORBEN     | GBR 2016 | 1:01.56 DANIELA RALID     | BRA 2019 | 4:40.46 ELLEN REYNOLDS     | USA 2016 |
| 2:20.51 KANA MORIHISA     | JPN 2023 | 1:05.61 K.PIPES-NEILSEN   | FRA 2009 | 4:40.53 CARLA GEURTS       | NED 2022 |
| 2:22.00 ELLEN REYNOLDS    | USA 2012 | 1:05.88 LISA BLACKBURN    | USA 2016 | 4:41.32 MERETE LOVBERG     | NOR 2018 |
| 2:23.92 CINDY MABEE       | CAN 2016 | 1:05.93 RAAKEL LUOTO      | FIN 2020 | 4:42.32 JANE ANN HOAG      | ITA 2017 |
| 2:23.95 C.J-SPONSELLER    | SWE 2019 | 1:06.22 ERIKA BRAUN       | USA 2018 | 4:43.61 JENNY WHITELEY     | AUS 2008 |
| 2:25.05 GISELI PEREIRA    | BRA 2017 | 1:06.58 S.VON DER LIPPE   | USA 2010 | 800 M. FREE                |          |
| 2:25.52 STEPHANIE STONE   | USA 2014 | 1:06.88 ANNA HAMMAR       | SWE 2013 | 9:23.30 ALISON ZAMANIAN    | USA 2021 |
| 2:26.57 SILVIA PAROCCHI   | ITA 2011 | 1:07.46 HELEN GORMAN      | GBR 2019 | 9:23.45 LYNN MARSHALL      | CAN 2011 |
| 50 M. BRST                |          | 1:07.55 KANA MORIHISA     | JPN 2023 | 9:25.85 TIZIANA PAPANDREA  | ITA 2023 |
| 32.59 KATIE GLENN         | USA 2023 | 1:07.98 MONICA SORO       | ITA 2015 | 9:29.62 S.HEIM-BOWEN       | USA 2009 |
| 33.01 LINLEY FRAME        | AUS 2017 | 200 M. I.M.               |          | 9:30.83 JILL HERNANDEZ     | USA 2013 |
| 33.56 MARZENA KULIS       | ITA 2009 | 2:19.30 GABRIELLE E ROSE  | USA 2022 | 9:35.39 ELLEN REYNOLDS     | USA 2014 |
| 33.81 ANNA HAMMAR         | SWE 2013 | 2:21.55 K.PIPES-NEILSEN   | USA 2009 | 9:38.99 CARLA GEURTS       | NED 2022 |
| 33.82 S.VON DER LIPPE     | USA 2010 | 2:24.33 WENKE SEIDER      | USA 2014 | 9:42.20 JANE ANN HOAG      | ITA 2017 |
| 33.85 HELEN GORMAN        | GBR 2018 | 2:26.26 ELLEN REYNOLDS    | USA 2012 | 9:45.02 NORMA CAHILL       | IRL 2016 |
| 33.94 CAROLINE KRATTLI    | USA 2007 | 2:27.02 ANNA HAMMAR       | SWE 2014 | 9:45.13 BARBARA GELLRICH   | GER 2012 |
| 34.05 NANA IWAI           | JPN 2021 | 2:28.24 KANA MORIHISA     | JPN 2023 | 1500 M. FREE               |          |
| 34.10 TRINA SCHAEZT       | USA 2018 | 2:29.09 SATU RAHKONEN     | FIN 2022 | 17:47.04 ALISON ZAMANIAN   | USA 2022 |
| 34.15 TRACEY MCFARLANE    | USA 2012 | 2:29.37 HIDEKO MAKINO     | JPN 2019 | 17:49.23 LYNN MARSHALL     | CAN 2013 |
| 100 M. BRST               |          | 2:29.40 MARZENA KULIS     | ITA 2009 | 17:51.33 S.HEIM-BOWEN      | USA 2009 |
| 1:10.63 LINLEY FRAME      | AUS 2017 | 2:29.69 CAROLINE KRATTLI  | USA 2007 | 18:14.50 CARLA GEURTS      | NED 2022 |
| 1:11.78 MARZENA KULIS     | ITA 2009 | 400 M. I.M.               |          | 18:14.75 TIZIANA PAPANDREA | ITA 2023 |
| 1:12.64 ANNA HAMMAR       | SWE 2013 | 5:00.29 K.PIPES-NEILSEN   | FRA 2009 | 18:25.23 NORMA CAHILL      | IRL 2015 |
| 1:12.93 LISA BLACKBURN    | USA 2017 | 5:17.29 ELLEN REYNOLDS    | USA 2011 | 18:27.42 JANE ANN HOAG     | ITA 2017 |
| 1:13.30 S.VON DER LIPPE   | USA 2010 | 5:17.54 STEPHANIE STONE   | USA 2014 | 18:38.58 JEANNE CARLSEN    | CAN 2009 |
| 1:13.38 CAROLINE KRATTLI  | USA 2007 | 5:17.83 SATU RAHKONEN     | FIN 2022 | 18:44.66 C.PETERSEN        | USA 2016 |
| 1:13.45 HELEN GORMAN      | GBR 2018 | 5:19.13 LYNN MARSHALL     | CAN 2006 | 18:49.27 ILKA LOWENSTEYN   | CAN 2015 |
| 1:13.98 WENKE SEIDER      | USA 2014 | 5:19.58 VIBEKE SWANSON    | USA 2006 | 50 M. BACK                 |          |
| 1:14.09 KATIE GLENN       | USA 2023 | 5:20.17 ALISON ZAMANIAN   | USA 2016 | 30.27 LESLIE LIVINGSTON    | USA 2015 |
| 1:15.32 NANA IWAI         | JPN 2023 | 5:20.89 NICOLA LATTY      | GBR 2018 | 31.15 MARIE FUZZATI        | FRA 2015 |
| 200 M. BRST               |          | 5:22.81 FRANCA BOSISIO    | ITA 2014 | 31.21 ERIKA L BRAUN        | USA 2022 |
| 2:34.77 GABRIELLE E ROSE  | USA 2022 | 5:23.42 BARBARA KEHBEIN   | GER 2016 | 31.24 GISELI PEREIRA       | BRA 2023 |
| 2:37.19 MARZENA KULIS     | ITA 2009 | *****                     |          | 31.30 MARION WOLTERS       | GER 2018 |
| 2:38.00 S.VON DER LIPPE   | USA 2010 | WOMEN 50-54               |          | 31.33 CINDY MABEE          | CAN 2019 |
| 2:39.55 LINLEY FRAME      | AUS 2017 | *****                     |          | 31.36 MICHELLE WARE        | GBR 2023 |
| 2:40.46 HELEN GORMAN      | GBR 2018 | 50 M. FREE                |          | 31.68 ANDREA KUTZ          | GER 2022 |
| 2:42.10 CAROLINE KRATTLI  | USA 2007 | 26.27 MARIE FUZZATI       | FRA 2015 | 31.70 LISE RAVEN LOTHE     | NOR 2019 |
| 2:44.60 H.MORRIS-EYTON    | RSA 2012 | 26.31 JENNY THOMPSON      | USA 2023 | 31.77 MIYUKI SATO          | JPN 2022 |
| 2:46.47 IRINA MERZLIKINA  | RUS 2021 | 26.73 ERIKA L BRAUN       | USA 2022 | 100 M. BACK                |          |
| 2:47.91 K.PIPES-NEILSEN   | FRA 2009 | 26.87 ANETTE PHILIPSSON   | SWE 2015 | 1:05.89 ELLEN REYNOLDS     | USA 2014 |
| 2:48.18 LUCY RYAN         | GBR 2018 | 27.40 MICHELLE WARE       | GBR 2023 | 1:05.98 GISELI PEREIRA     | BRA 2023 |
| 50 M. FLY                 |          | 27.40 SUSIE O'NEILL       | AUS 2023 | 1:06.52 JO CORBEN          | GBR 2022 |
| 28.53 YURIKO IKEDA        | JPN 2017 | 27.45 ANDREA KUTZ         | GER 2023 | 1:06.97 MARIE FUZZATI      | FRA 2016 |
| 28.60 ERIKA BRAUN         | USA 2017 | 27.50 JENNIE BUCKNELL     | AUS 2016 | 1:07.16 MARION WOLTERS     | GER 2018 |
| 28.72 S.VON DER LIPPE     | USA 2010 | 27.67 MARIA NORBERG       | SWE 2014 | 1:07.28 CINDY MABEE        | CAN 2019 |
| 28.75 KAREN STUMP         | USA 2023 | 27.67 SUE WALSH           | USA 2014 | 1:08.12 K PIPES-NEILSEN    | FRA 2012 |
| 28.79 R.CRESCENTINI       | ITA 2020 | 100 M. FREE               |          | 1:08.29 SHERI L HART       | USA 2021 |
| 28.97 RAAKEL LUOTO        | FIN 2020 | 58.12 ERIKA BRAUN         | USA 2023 | 1:08.61 MIYUKI SATO        | JPN 2022 |
| 29.08 WENKE SEIDER        | USA 2014 | 58.60 MARIE FUZZATI       | FRA 2015 | 1:08.82 YURIKO IKEDA       | JPN 2023 |
| 29.10 HAYLEY BETTINSON    | GBR 2009 | 59.06 JENNY THOMPSON      | USA 2023 | 200 M. BACK                |          |
| 29.21 LAURIE DITOMMASO    | USA 2008 | 1:00.15 JENNIE BUCKNELL   | AUS 2016 | 2:22.37 ELLEN REYNOLDS     | USA 2014 |
| 29.27 SUSAN WILLIAMS      | USA 2013 | 1:00.80 ANETTE PHILIPSSON | SWE 2015 | 2:24.15 JO CORBEN          | GBR 2021 |
| 100 M. FLY                |          | 1:00.92 MANUELA SCHUBERT  | GER 2022 | 2:25.94 LYNN MARSHALL      | CAN 2011 |
| 1:03.47 S.VON DER LIPPE   | USA 2010 | 1:00.93 MICHELLE WARE     | GBR 2023 | 2:26.67 STEPHANIE STONE    | USA 2017 |
| 1:03.96 K.PIPES-NEILSEN   | USA 2009 | 1:00.94 BARBARA KEHBEIN   | GER 2019 | 2:26.85 MARION WOLTERS     | GER 2019 |
| 1:04.38 WENKE SEIDER      | USA 2014 | 1:01.23 MONICA SORO       | ITA 2020 | 2:26.85 K PIPES-NEILSEN    | FRA 2012 |
| 1:04.79 YURIKO IKEDA      | JPN 2018 | 1:01.39 MARION WOLTERS    | GER 2019 | 2:27.99 SILVIA PAROCCHI    | ITA 2016 |
| 1:05.83 MONICA SORO       | ITA 2016 | 200 M. FREE               |          | 2:28.34 GISELI PEREIRA     | BRA 2023 |
| 1:06.05 BARBARA KEHBEIN   | GER 2015 | 2:10.72 S.HEIM-BOWEN      | USA 2009 | 2:28.88 MIYUKI SATO        | JPN 2022 |
| 1:06.15 ERIKA L BRAUN     | USA 2019 | 2:10.99 ERIKA BRAUN       | USA 2023 | 2:28.99 MARIE FUZZATI      | FRA 2016 |
| 1:06.28 FRANCA BOSISIO    | ITA 2015 | 2:11.30 MARIE FUZZATI     | FRA 2017 | 50 M. BRST                 |          |
| 1:06.43 SOPHIA SKOU       | DEN 2021 | 2:11.63 ELLEN REYNOLDS    | USA 2016 | 33.96 MONICA CORO          | ITA 2013 |
| 1:06.69 FALL WILLEBOORDSE | USA 2011 | 2:11.86 LIZ DILLMANN      | USA 2015 | 34.17 ANNA HAMMAR          | SWE 2018 |
| 200 M. FLY                |          | 2:12.35 MERETE LOVBERG    | NOR 2018 | 34.41 HELEN GORMAN         | GBR 2022 |
| 2:23.18 K.PIPES-NEILSEN   | USA 2009 | 2:12.80 JILL HERNANDEZ    | USA 2013 | 34.50 UTE HASSE            | ESP 2015 |
| 2:24.08 S.VON DER LIPPE   | USA 2010 | 2:13.21 LYNN MARSHALL     | CAN 2011 | 34.76 HANA BOHUSLAVKOVA    | CZE 2022 |
| 2:26.31 S. PALMER-WHITE   | AUS 2009 | 2:13.58 K.PIPES-NEILSEN   | USA 2012 | 34.79 TRINA SCHAEZT        | USA 2023 |
| 2:26.45 BARBARA KEHBEIN   | GER 2014 | 2:13.95 BARBARA KEHBEIN   | GER 2019 | 35.01 ERIKA BRAUN          | USA 2023 |
| 2:26.77 KINCISO VENCZEL   | HUN 2022 | 400 M. FREE               |          | 35.08 JENNY WHITELEY       | AUS 2009 |
| 2:26.92 DEBBIE YOUNGER    | CAN 2019 | 4:33.86 ALISON ZAMANIAN   | USA 2021 | 35.15 JUDY GARAY           | CAN 2014 |
| 2:28.26 LYNN MARSHALL     | CAN 2006 | 4:34.81 LYNN MARSHALL     | CAN 2011 | 35.28 MARZENA KULIS        | ITA 2016 |
| 2:29.23 FRANCA BOSISIO    | ITA 2015 |                           |          | 100 M. BRST                |          |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|             |                   |          |              |                   |          |             |                   |          |
|-------------|-------------------|----------|--------------|-------------------|----------|-------------|-------------------|----------|
| 1:13.95     | HELEN GORMAN      | GBR 2022 | 2:32.45      | ANETTE PHILIPSSON | SWE 2016 | 18:57.14    | KAREN ZEMLIN      | USA 2023 |
| 1:15.02     | UTE HASSE         | ESP 2015 | 400 M. I.M.  |                   |          | 19:00.59    | K.PALACE          | USA 2016 |
| 1:15.22     | MONICA CORO       | ITA 2013 | 5:10.96      | ELLEN REYNOLDS    | USA 2014 | 19:00.69    | S. PALMER-WHITE   | AUS 2019 |
| 1:15.76     | ANNA HAMMAR       | SWE 2018 | 5:14.65      | LYNN MARSHALL     | CAN 2011 | 19:03.44    | DEBORAH DAWSON    | USA 2023 |
| 1:15.86     | MARZENA KULIS     | ITA 2016 | 5:23.74      | HELEN GORMAN      | GBR 2023 | 19:07.60    | JILL S HERNANDEZ  | USA 2019 |
| 1:16.49     | JENNY WHITELEY    | AUS 2009 | 5:24.23      | C.THIELEMANN      | GER 2018 | 19:22.35    | ILKA LOWENSTEYN   | CAN 2022 |
| 1:16.69     | ERIKA BRAUN       | USA 2023 | 5:24.45      | MARZENA KULIS     | ITA 2017 | 19:24.70    | BARBARA DUNBAR    | USA 2004 |
| 1:17.10     | BARBARA KEHBEIN   | GER 2019 | 5:25.49      | NICOLA LATTY      | GBR 2022 | 50 M. BACK  |                   |          |
| 1:17.50     | HIDEKO MAKINO     | JPN 2023 | 5:26.50      | ALISON ZAMANIAN   | USA 2021 | 30.12       | LESLIE LIVINGSTON | USA 2016 |
| 1:17.58     | SARA DUNN         | USA 2022 | 5:30.92      | JANE ANN HOAG     | ITA 2018 | 31.92       | HOLLY GREEN BLAIR | USA 2019 |
| 200 M. BRST |                   |          | 5:31.20      | NAOKO SHIDE       | JPN 2010 | 32.02       | FRANCA BOSISIO    | ITA 2023 |
| 2:41.45     | HELEN GORMAN      | GBR 2022 | 5:31.82      | HELEN WHITFORD    | AUS 2018 | 32.31       | SUSAN O WILLIAMS  | USA 2021 |
| 2:45.70     | MARZENA KULIS     | ITA 2016 | *****        |                   |          | 32.62       | LAURA VAL         | USA 2009 |
| 2:48.21     | BARBARA KEHBEIN   | GER 2019 |              |                   |          | 32.74       | HIROKO NOGUCHI    | JPN 2022 |
| 2:48.34     | IRINA MERZLIKINA  | RUS 2022 |              |                   |          | 32.75       | KARLYN PIPES      | USA 2019 |
| 2:48.69     | JENNY WHITELEY    | AUS 2009 |              |                   |          | 33.04       | M.FUZZATI         | FRA 2023 |
| 2:49.05     | MONICA CORO       | ITA 2013 | *****        |                   |          | 33.14       | JULIE HOYLE       | GBR 2017 |
| 2:49.39     | NAOMI KOTERA      | JPN 2022 | 50 M. FREE   |                   |          | 33.19       | NOZOMI MATSUTANI  | JPN 2022 |
| 2:50.36     | ELLEN REYNOLDS    | USA 2016 | 27.42        | M.FUZZATI         | FRA 2022 | 100 M. BACK |                   |          |
| 2:50.44     | UTE HASSE         | ESP 2015 | 27.80        | HAYLEY BETTINSON  | GBR 2018 | 1:07.17     | ELLEN M REYNOLDS  | USA 2019 |
| 2:51.08     | KEIKO OKAMOTO     | JPN 2019 | 27.81        | LESLIE LIVINGSTON | USA 2016 | 1:08.33     | KARLYN PIPES      | USA 2017 |
| 50 M. FLY   |                   |          | 27.85        | ANETTE PHILIPSSON | SWE 2021 | 1:09.62     | HOLLY GREEN BLAIR | USA 2019 |
| 28.95       | SUSIE O'NEILL     | AUS 2023 | 27.91        | SARAH MACDONALD   | CAN 2015 | 1:10.08     | LESLIE LIVINGSTON | USA 2016 |
| 29.11       | JENNY THOMPSON    | USA 2023 | 28.07        | JENNIE BUCKNELL   | AUS 2023 | 1:11.02     | SILVIA PAROCCHI   | ITA 2022 |
| 29.14       | ERIKA L BRAUN     | USA 2022 | 28.33        | HOLLY GREEN BLAIR | USA 2019 | 1:12.12     | HELEN WHITFORD    | AUS 2022 |
| 29.15       | YURIKO IKEDA      | JPN 2023 | 28.37        | CHIKAKO MIZUNO    | JPN 2022 | 1:12.23     | MARION WOLTERS    | GER 2023 |
| 29.25       | LESLIE LIVINGSTON | USA 2013 | 28.42        | KARLYN PIPES      | USA 2017 | 1:12.23     | LAURA VAL         | USA 2008 |
| 29.34       | ANNA HAMMAR       | SWE 2018 | 28.49        | LAURA VAL         | USA 2009 | 1:12.42     | JILL HERNANDEZ    | USA 2018 |
| 29.42       | SUSAN WILLIAMS    | USA 2017 | 100 M. FREE  |                   |          | 1:12.59     | MARIKA MCCUE      | USA 2018 |
| 29.53       | MICHELLE WARE     | GBR 2023 | 1:00.61      | KARLYN PIPES      | USA 2017 | 200 M. BACK |                   |          |
| 29.94       | FRANCA BOSISIO    | ITA 2018 | 1:01.33      | LAURA VAL         | USA 2009 | 2:25.27     | ELLEN M REYNOLDS  | USA 2019 |
| 29.94       | DANIELA DE PONTI  | ITA 2017 | 1:01.47      | M.FUZZATI         | SUI 2020 | 2:29.22     | KARLYN PIPES      | USA 2017 |
| 100 M. FLY  |                   |          | 1:01.84      | SARAH MACDONALD   | CAN 2015 | 2:31.71     | LYNN MARSHALL     | CAN 2016 |
| 1:03.51     | JENNY THOMPSON    | USA 2023 | 1:02.01      | JENNIE BUCKNELL   | AUS 2023 | 2:32.08     | SILVIA PAROCCHI   | ITA 2022 |
| 1:06.38     | YURIKO IKEDA      | JPN 2022 | 1:02.42      | CHIKAKO MIZUNO    | JPN 2022 | 2:32.58     | JILL HERNANDEZ    | USA 2018 |
| 1:06.88     | ERIKA BRAUN       | USA 2023 | 1:02.72      | S.REIBEL-OBERLE   | GER 2019 | 2:34.43     | JUDY BROWN        | GBR 2023 |
| 1:06.88     | DANIELA DE PONTI  | ITA 2016 | 1:02.75      | HEATHER CAMPBELL  | NZL 2008 | 2:37.06     | S.REIBEL-OBERLE   | GER 2020 |
| 1:06.92     | K PIPES-NEILSEN   | FRA 2012 | 1:02.94      | ANETTE PHILIPSSON | SWE 2022 | 2:37.84     | NAOKO SHIDE       | JPN 2016 |
| 1:07.13     | MICHELLE WARE     | GBR 2023 | 1:03.07      | DANIELA DEPONTI   | ITA 2020 | 2:38.14     | HELEN WHITFORD    | AUS 2022 |
| 1:07.62     | BARBARA KEHBEIN   | GER 2019 | 200 M. FREE  |                   |          | 2:38.41     | KAZUE MAETOGE     | JPN 2023 |
| 1:07.72     | C.MCCLAFFERTY     | USA 2023 | 2:12.03      | ELLEN M REYNOLDS  | USA 2019 | 50 M. BRST  |                   |          |
| 1:07.73     | SILVIA PAROCCHI   | ITA 2016 | 2:13.58      | LYNN MARSHALL     | CAN 2016 | 35.15       | MONICA CORO'      | ITA 2017 |
| 1:07.79     | FRANCA BOSISIO    | ITA 2018 | 2:13.89      | KARLYN PIPES      | USA 2017 | 35.61       | UTE HASSE         | ESP 2018 |
| 200 M. FLY  |                   |          | 2:14.45      | LAURA VAL         | USA 2009 | 35.87       | PIA THULSTRUP     | DEN 2017 |
| 2:28.08     | LYNN MARSHALL     | CAN 2011 | 2:15.14      | JILL HERNANDEZ    | USA 2018 | 35.90       | TERRI MACDOUGALL  | CAN 2019 |
| 2:28.69     | FRANCA BOSISIO    | ITA 2018 | 2:17.75      | FRANCA BOSISIO    | ITA 2023 | 35.91       | LAURA MOLINARI    | ITA 2023 |
| 2:30.27     | BARBARA KEHBEIN   | GER 2019 | 2:17.76      | DANIELA SABATINI  | ITA 2023 | 36.29       | JENNY WHITELEY    | AUS 2013 |
| 2:31.06     | ILKA LOWENSTEYN   | CAN 2015 | 2:17.77      | S.REIBEL-OBERLE   | GER 2019 | 36.47       | CAROLINE KRATTLI  | USA 2017 |
| 2:31.17     | DANIELA DE PONTI  | ITA 2016 | 2:18.02      | DANIELA DEPONTI   | ITA 2020 | 36.92       | KARLYN PIPES      | USA 2017 |
| 2:32.17     | C.THIELEMANN      | GER 2018 | 2:18.32      | K.PALACE          | USA 2016 | 37.08       | SARAH MACDONALD   | CAN 2017 |
| 2:32.29     | KARLYN PIPES      | USA 2012 | 400 M. FREE  |                   |          | 37.14       | SATOKO TOKITA     | JPN 2018 |
| 2:32.92     | C.MCCLAFFERTY     | USA 2023 | 4:37.35      | LYNN MARSHALL     | CAN 2016 | 100 M. BRST |                   |          |
| 2:33.24     | ALISON ZAMANIAN   | USA 2022 | 4:42.97      | LAURA VAL         | USA 2009 | 1:17.36     | MARZENA KULIS     | ITA 2019 |
| 2:33.93     | ANDREA BLOCK      | USA 2011 | 4:43.49      | KARLYN PIPES      | USA 2017 | 1:18.01     | MONICA CORO'      | ITA 2017 |
| 100 M. I.M. |                   |          | 4:44.76      | JILL HERNANDEZ    | USA 2018 | 1:18.45     | JENNY WHITELEY    | AUS 2013 |
| 1:07.04     | ERIKA L BRAUN     | USA 2022 | 4:45.31      | ELLEN REYNOLDS    | USA 2023 | 1:19.02     | UTE HASSE         | ESP 2019 |
| 1:07.65     | JENNY THOMPSON    | USA 2023 | 4:46.77      | DANIELA SABATINI  | ITA 2023 | 1:19.59     | LAURA MOLINARI    | ITA 2023 |
| 1:07.85     | ANETTE PHILIPSSON | SWE 2015 | 4:50.18      | C.THIELEMANN      | GER 2023 | 1:19.90     | PIA THULSTRUP     | DEN 2017 |
| 1:07.97     | ANNA HAMMAR       | SWE 2018 | 4:51.15      | JANE ANN HOAG     | ITA 2022 | 1:20.16     | CHIE MIYAMOTO     | JPN 2023 |
| 1:08.28     | K PIPES-NEILSEN   | FRA 2012 | 4:51.43      | S.REIBEL-OBERLE   | GER 2019 | 1:20.72     | TERRI MACDOUGALL  | CAN 2019 |
| 1:08.33     | HELEN GORMAN      | GBR 2022 | 4:51.63      | KAREN GRAHAM      | GBR 2020 | 1:21.15     | SARAH MACDONALD   | CAN 2015 |
| 1:08.79     | ELLEN REYNOLDS    | USA 2018 | 800 M. FREE  |                   |          | 1:21.18     | CAROLINE KRATTLI  | USA 2017 |
| 1:08.98     | MARIE FUZZATI     | FRA 2015 | 9:32.63      | LYNN MARSHALL     | CAN 2017 | 200 M. BRST |                   |          |
| 1:09.06     | MARION WOLTERS    | GER 2018 | 9:46.35      | JILL HERNANDEZ    | USA 2018 | 2:46.91     | MARZENA KULIS     | ITA 2019 |
| 1:09.22     | JENNY WHITELEY    | AUS 2009 | 9:51.35      | LAURA VAL         | USA 2009 | 2:50.83     | CHIE MIYAMOTO     | JPN 2023 |
| 200 M. I.M. |                   |          | 9:52.16      | DEBORAH DAWSON    | USA 2023 | 2:52.75     | ELLEN REYNOLDS    | USA 2023 |
| 2:27.39     | ELLEN REYNOLDS    | USA 2018 | 9:56.00      | DANIELA SABATINI  | ITA 2023 | 2:53.16     | MONICA CORO       | ITA 2017 |
| 2:30.30     | HELEN GORMAN      | GBR 2023 | 9:57.01      | JANE ANN HOAG     | ITA 2022 | 2:55.48     | JENNY WHITELEY    | AUS 2013 |
| 2:30.33     | ANNA HAMMAR       | SWE 2018 | 9:57.42      | C.THIELEMANN      | GER 2023 | 2:56.23     | TATYANA PROKOFEVA | RUS 2020 |
| 2:30.50     | TIZIANA PAPANDREA | ITA 2023 | 10:01.08     | KAREN ZEMLIN      | USA 2023 | 2:59.03     | TERRI MACDOUGALL  | CAN 2019 |
| 2:30.63     | KARLYN PIPES      | USA 2012 | 10:03.33     | K.PALACE          | USA 2016 | 2:59.34     | COLETTE CRABBE    | BEL 2012 |
| 2:30.98     | JENNY WHITELEY    | AUS 2009 | 10:04.66     | NORMA CAHILL      | IRL 2023 | 3:00.02     | JUDITH HATTLE     | GBR 2015 |
| 2:31.96     | JILL HERNANDEZ    | USA 2013 | 1500 M. FREE |                   |          | 3:00.46     | ALICIA BOSCATTO   | ARG 2015 |
| 2:32.10     | DANIELA DE PONTI  | ITA 2016 | 18:01.79     | LYNN MARSHALL     | CAN 2017 | 50 M. FLY   |                   |          |
| 2:32.32     | CINDY MABEE       | CAN 2019 | 18:43.73     | LAURA VAL         | USA 2010 | 29.39       | LESLIE LIVINGSTON | USA 2016 |
|             |                   |          | 18:53.00     | JANE ANN HOAG     | ITA 2023 |             |                   |          |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|             |                   |     |      |              |                   |     |      |             |                   |     |      |
|-------------|-------------------|-----|------|--------------|-------------------|-----|------|-------------|-------------------|-----|------|
| 30.61       | FRANCA BOSISIO    | ITA | 2023 | 29.47        | BECKY CLEAVENGER  | USA | 2023 | 1:13.75     | AMY J RIEGER      | USA | 2021 |
| 30.63       | SUSAN WILLIAMS    | USA | 2023 | 29.65        | VERONICA HIBBEN   | USA | 2016 | 1:13.93     | JULIE HOYLE       | GBR | 2022 |
| 30.73       | KARLYN PIPES      | USA | 2017 | 29.71        | KARLYN A PIPES    | USA | 2022 | 1:15.93     | VALERIE JENKINS   | USA | 2023 |
| 30.78       | MARIA NORBERG     | SWE | 2018 | 29.75        | MA CARMEN CABELLO | ESP | 2021 | 1:15.95     | JOAN PFINGSGRAFF  | USA | 2017 |
| 30.92       | ELIZABETH WOOLNER | GBR | 2023 | 100 M. FREE  |                   |     |      | 1:16.35     | JOANNE SUTCLIFFE  | AUS | 2021 |
| 30.99       | HAYLEY BETTINSON  | GBR | 2018 | 1:02.60      | JENNY WHITELEY    | AUS | 2018 | 1:16.48     | DENYSE SENECHAL   | CAN | 2023 |
| 31.13       | TRACI GRANGER     | USA | 2013 | 1:03.48      | LAURA VAL         | USA | 2014 | 200 M. BACK |                   |     |      |
| 31.13       | LAURA VAL         | USA | 2009 | 1:04.14      | KARLYN A PIPES    | USA | 2022 | 2:34.31     | KARLYN A PIPES    | USA | 2022 |
| 31.23       | SARAH MACDONALD   | CAN | 2015 | 1:04.44      | VERONICA HIBBEN   | USA | 2019 | 2:34.72     | LYNN MARSHALL     | CAN | 2022 |
| 100 M. FLY  |                   |     |      | 1:04.78      | AMY JO RIEGER     | PUR | 2021 | 2:35.84     | BONNIE BILICH     | USA | 2018 |
| 1:08.15     | KARLYN PIPES      | USA | 2017 | 1:04.89      | JEANETTE BRITS    | AUS | 2023 | 2:38.34     | JULIE HOYLE       | GBR | 2022 |
| 1:08.22     | FRANCA BOSISIO    | ITA | 2023 | 1:05.04      | BECKY CLEAVENGER  | USA | 2023 | 2:40.04     | LAURA VAL         | USA | 2015 |
| 1:09.23     | LAURA VAL         | USA | 2009 | 1:05.34      | MA CARMEN NAVARRO | ESP | 2022 | 2:42.66     | AMY J RIEGER      | USA | 2021 |
| 1:09.67     | LYNN MARSHALL     | CAN | 2016 | 1:06.16      | K.ANDRUS-HUGHES   | USA | 2017 | 2:43.27     | JOANNE SUTCLIFFE  | AUS | 2021 |
| 1:09.71     | SILVIA PAROCCHI   | ITA | 2022 | 1:06.58      | CHARLOTTE DAVIS   | USA | 2010 | 2:43.57     | JOAN PFINGSGRAFF  | USA | 2017 |
| 1:09.89     | ELIZABETH WOOLNER | GBR | 2022 | 200 M. FREE  |                   |     |      | 2:45.00     | BONNIE L SPIVEY   | USA | 2019 |
| 1:10.10     | ANDREA BLOCK      | USA | 2016 | 2:15.93      | JENNY WHITELEY    | AUS | 2018 | 2:45.02     | DENYSE SENECHAL   | CAN | 2023 |
| 1:10.11     | KIYOMI TANAKA     | JPN | 2022 | 2:18.45      | LYNN MARSHALL     | CAN | 2022 | 50 M. BRST  |                   |     |      |
| 1:10.15     | ILKA LOWENSTEYN   | CAN | 2022 | 2:19.08      | JEANETTE BRITS    | AUS | 2023 | 37.08       | JENNY WHITELEY    | AUS | 2018 |
| 1:10.20     | DANIELA DEPONTI   | ITA | 2020 | 2:20.16      | LAURA VAL         | USA | 2011 | 37.21       | MONICA CORO'      | ITA | 2022 |
| 200 M. FLY  |                   |     |      | 2:21.06      | ROBYN CROTTY      | NZL | 2021 | 37.23       | UTE HASSE         | ESP | 2023 |
| 2:31.13     | LAURA VAL         | USA | 2008 | 2:22.02      | K.PARKER PALACE   | USA | 2023 | 37.57       | PIA THULSTRUP     | DEN | 2022 |
| 2:31.97     | KARLYN PIPES      | USA | 2017 | 2:24.56      | BECKY CLEAVENGER  | USA | 2023 | 37.62       | SATOKO TOKITA     | JPN | 2023 |
| 2:32.91     | FRANCA BOSISIO    | ITA | 2023 | 2:24.73      | VERONICA HIBBEN   | USA | 2019 | 37.67       | JUDY GARAY        | CAN | 2023 |
| 2:32.97     | C.THIELEMANN      | GER | 2023 | 2:24.84      | MA CARMEN NAVARRO | ESP | 2022 | 38.00       | DANIELA PETRACCHI | ITA | 2023 |
| 2:33.91     | S. PALMER-WHITE   | AUS | 2019 | 2:24.93      | AMY J RIEGER      | USA | 2021 | 38.12       | DAGMAR FRESE      | GER | 2019 |
| 2:33.98     | LYNN MARSHALL     | CAN | 2019 | 400 M. FREE  |                   |     |      | 38.23       | MISA KUWANO       | JPN | 2021 |
| 2:37.51     | ILKA LOWENSTEYN   | CAN | 2023 | 4:48.80      | LYNN MARSHALL     | CAN | 2022 | 38.58       | SETSUKO MATSUI    | JPN | 2021 |
| 2:38.82     | D.PEDACCHIOLA     | ITA | 2018 | 4:52.64      | JENNY WHITELEY    | AUS | 2018 | 100 M. BRST |                   |     |      |
| 2:39.54     | S.REIBEL-OBERLE   | GER | 2019 | 4:53.24      | LAURA VAL         | USA | 2013 | 1:20.50     | JENNY WHITELEY    | AUS | 2018 |
| 2:39.55     | ANDREA BLOCK      | USA | 2016 | 4:55.14      | ROBYN CROTTY      | NZL | 2021 | 1:21.14     | MONICA CORO'      | ITA | 2022 |
| 100 M. I.M. |                   |     |      | 4:56.99      | K.PARKER PALACE   | USA | 2023 | 1:21.86     | UTE HASSE         | ESP | 2023 |
| 1:09.08     | KARLYN PIPES      | USA | 2017 | 5:03.77      | CECILIA STANFORD  | RSA | 2021 | 1:23.65     | MISA KUWANO       | JPN | 2021 |
| 1:09.47     | ELLEN REYNOLDS    | USA | 2023 | 5:04.90      | SUSAN RITTER      | USA | 2017 | 1:24.03     | PIA THULSTRUP     | DEN | 2023 |
| 1:10.66     | JENNY WHITELEY    | AUS | 2013 | 5:06.79      | KELLY PALACE      | USA | 2021 | 1:24.39     | COLETTE CRABBE    | USA | 2016 |
| 1:11.51     | HOLLY GREEN BLAIR | USA | 2019 | 5:07.33      | HOLLY EDMONDS     | USA | 2022 | 1:25.09     | SARAH MACDONALD   | CAN | 2020 |
| 1:11.95     | SARAH MACDONALD   | CAN | 2015 | 5:09.15      | JOANNE SUTCLIFFE  | AUS | 2021 | 1:25.16     | DAGMAR FRESE      | GER | 2019 |
| 1:12.10     | DANIELA DEPONTI   | ITA | 2020 | 800 M. FREE  |                   |     |      | 1:25.45     | SATOKO TOKITA     | JPN | 2023 |
| 1:12.27     | ANETTE PHILIPSSON | SWE | 2021 | 9:55.61      | LYNN MARSHALL     | CAN | 2023 | 1:25.52     | KAREN MAREB       | USA | 2018 |
| 1:12.90     | LAURA VAL         | USA | 2009 | 10:04.67     | ROBYN CROTTY      | NZL | 2021 | 200 M. BRST |                   |     |      |
| 1:12.94     | S.REIBEL-OBERLE   | GER | 2019 | 10:07.03     | K.PARKER PALACE   | USA | 2023 | 2:57.05     | JENNY WHITELEY    | AUS | 2018 |
| 1:13.15     | ANNA HAMMAR       | SWE | 2023 | 10:18.29     | JENNY WHITELEY    | AUS | 2019 | 3:00.34     | MONICA CORO'      | ITA | 2022 |
| 200 M. I.M. |                   |     |      | 10:21.68     | LAURA VAL         | USA | 2011 | 3:04.70     | LO KNAPP          | USA | 2016 |
| 2:27.78     | ELLEN M REYNOLDS  | USA | 2019 | 10:24.43     | BONNIE L SPIVEY   | USA | 2019 | 3:05.02     | MISA KUWANO       | JPN | 2021 |
| 2:31.06     | KARLYN PIPES      | FRA | 2017 | 10:24.96     | S.HEIM-BOWEN      | USA | 2020 | 3:05.92     | AMY J RIEGER      | USA | 2021 |
| 2:33.57     | JILL HERNANDEZ    | USA | 2018 | 10:25.71     | SUSAN RITTER      | USA | 2017 | 3:06.25     | AMANDA HEATH      | GBR | 2017 |
| 2:34.01     | LYNN MARSHALL     | CAN | 2016 | 10:26.30     | CECILIA STANFORD  | RSA | 2021 | 3:06.48     | BONNIE PRONK      | CAN | 2002 |
| 2:36.92     | S.REIBEL-OBERLE   | GER | 2019 | 10:32.21     | JOANNE SUTCLIFFE  | AUS | 2021 | 3:06.52     | JUDITH PEARSON    | GBR | 2020 |
| 2:36.98     | LAURA VAL         | USA | 2009 | 1500 M. FREE |                   |     |      | 3:07.25     | COLETTE CRABBE    | USA | 2017 |
| 2:37.71     | MARZENA KULIS     | ITA | 2020 | 18:52.68     | LYNN MARSHALL     | CAN | 2023 | 3:07.36     | REBECCA TOHILL    | NZL | 2023 |
| 2:37.71     | JENNY WHITELEY    | AUS | 2013 | 19:27.09     | K.PARKER PALACE   | USA | 2023 | 50 M. FLY   |                   |     |      |
| 2:37.92     | C.THIELEMANN      | GER | 2023 | 19:35.32     | S.HEIM-BOWEN      | USA | 2020 | 31.24       | TRACI S GRANGER   | USA | 2019 |
| 2:38.04     | DANIELA DEPONTI   | ITA | 2020 | 19:38.63     | LAURA VAL         | USA | 2011 | 31.34       | CAROL BOAGEY      | GBR | 2013 |
| 400 M. I.M. |                   |     |      | 19:52.06     | ROBYN CROTTY      | NZL | 2023 | 31.82       | KARLYN A PIPES    | USA | 2022 |
| 5:15.72     | ELLEN M REYNOLDS  | USA | 2019 | 19:59.92     | S.LOFTUS-CHARLEY  | USA | 2011 | 32.04       | MA CARMEN NAVARRO | ESP | 2022 |
| 5:23.08     | LYNN MARSHALL     | CAN | 2016 | 20:03.30     | SUSAN RITTER      | USA | 2017 | 32.28       | JUDITH PEARSON    | GBR | 2020 |
| 5:25.71     | KARLYN PIPES      | USA | 2017 | 20:03.58     | BONNIE L SPIVEY   | USA | 2019 | 32.32       | DAWN KISSACK      | GBR | 2023 |
| 5:31.00     | S.REIBEL-OBERLE   | GER | 2020 | 20:06.04     | CECILIA STANFORD  | RSA | 2021 | 32.38       | L.GIANNOCARO      | CAN | 2022 |
| 5:33.65     | FRANCA BOSISIO    | ITA | 2023 | 20:15.16     | CHRISTIE CIRAULO  | USA | 2015 | 32.42       | LAURA VAL         | USA | 2013 |
| 5:34.14     | DANIELA DEPONTI   | ITA | 2020 | 50 M. BACK   |                   |     |      | 32.54       | VERONICA HIBBEN   | USA | 2016 |
| 5:37.15     | ROBYN CROTTY      | NZL | 2018 | 32.91        | KARLYN A PIPES    | USA | 2022 | 32.73       | BECKY CLEAVENGER  | USA | 2023 |
| 5:39.30     | LAURA VAL         | USA | 2009 | 33.01        | LAURA VAL         | USA | 2013 | 100 M. FLY  |                   |     |      |
| 5:39.40     | C.THIELEMANN      | GER | 2023 | 33.75        | AMY JO RIEGER     | PUR | 2021 | 1:10.97     | KARLYN A PIPES    | USA | 2022 |
| 5:40.45     | ILKA LOWENSTEYN   | CAN | 2022 | 33.75        | K.ANDRUS-HUGHES   | USA | 2017 | 1:11.47     | LAURA VAL         | USA | 2013 |
| *****       |                   |     |      | 33.77        | JULIE HOYLE       | GBR | 2022 | 1:11.68     | MA CARMEN CABELLO | ESP | 2021 |
| *****       |                   |     |      | 33.90        | BONNIE BILICH     | USA | 2018 | 1:12.57     | JUDITH PEARSON    | GBR | 2021 |
| *****       |                   |     |      | 34.04        | VALERIE JENKINS   | USA | 2023 | 1:13.08     | TRACI S GRANGER   | USA | 2019 |
| *****       |                   |     |      | 35.18        | DENYSE SENECHAL   | CAN | 2023 | 1:13.58     | LEIGH RODGERS     | AUS | 2015 |
| *****       |                   |     |      | 35.24        | RYOKO NISHII      | JPN | 2023 | 1:13.70     | D.PEDACCHIOLA     | ITA | 2023 |
| *****       |                   |     |      | 35.49        | AROMA MARTORELL   | BRA | 2018 | 1:14.21     | COLETTE CRABBE    | USA | 2017 |
| *****       |                   |     |      | 100 M. BACK  |                   |     |      | 1:14.30     | JENNY WHITELEY    | AUS | 2018 |
| *****       |                   |     |      | 1:12.39      | BONNIE BILICH     | USA | 2018 | 1:14.45     | LYNN MARSHALL     | CAN | 2022 |
| *****       |                   |     |      | 1:12.42      | KARLYN A PIPES    | USA | 2022 | 200 M. FLY  |                   |     |      |
| *****       |                   |     |      | 1:12.72      | LAURA VAL         | USA | 2013 | 2:41.25     | LAURA VAL         | USA | 2011 |
| *****       |                   |     |      | 1:13.53      | K.ANDRUS-HUGHES   | USA | 2018 | 2:42.40     | LYNN MARSHALL     | CAN | 2022 |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|             |                   |     |      |              |                    |     |      |             |                   |     |      |
|-------------|-------------------|-----|------|--------------|--------------------|-----|------|-------------|-------------------|-----|------|
| 2:46.28     | JUDITH PEARSON    | GBR | 2021 | 2:34.02      | A.PIJTAK-RADERSMA  | NED | 2023 | 40.96       | ESTHER ISEPPI     | GBR | 2023 |
| 2:46.40     | JENNY WHITELEY    | AUS | 2019 | 2:34.02      | KAREN L EINSIDLER  | USA | 2022 | 41.07       | CAROLE SMITH      | ITA | 2018 |
| 2:46.80     | D.PEDACCHIOLA     | ITA | 2023 | 2:34.11      | DIANE COETZEE      | RSA | 2021 | 41.08       | ALYSON FORDHAM    | GBR | 2023 |
| 2:49.24     | TRACI S GRANGER   | USA | 2019 | 400 M. FREE  |                    |     |      | 41.09       | E.DE HEEDER       | USA | 2023 |
| 2:52.43     | JEANNE LAPPIN     | USA | 2015 | 5:02.08      | LAURA VAL          | USA | 2017 | 41.16       | MELINDA J MANN    | USA | 2022 |
| 2:52.60     | ARLENE DELMAGE    | USA | 2022 | 5:03.64      | JENNY WHITELEY     | AUS | 2023 | 100 M. BRST |                   |     |      |
| 2:57.56     | COLETTE CRABBE    | USA | 2017 | 5:18.01      | S.HEIM-BOWEN       | USA | 2023 | 1:24.93     | JENNY WHITELEY    | AUS | 2023 |
| 2:58.14     | MA RAMONA GUILLEN | ESP | 2020 | 5:18.71      | KAREN L EINSIDLER  | USA | 2021 | 1:27.95     | AMANDA HEATH      | GBR | 2023 |
| 100 M. I.M. |                   |     |      | 5:19.64      | C.TARANTINO        | ITA | 2020 | 1:28.47     | DAGMAR FRESE      | GER | 2021 |
| 1:12.08     | KARLYN A PIPES    | USA | 2022 | 5:21.37      | NANCY MARTIN       | USA | 2019 | 1:28.73     | NOBUKO YASUDA     | JPN | 2010 |
| 1:12.19     | JENNY WHITELEY    | AUS | 2018 | 5:21.46      | VERONICA HIBBEN    | USA | 2021 | 1:28.94     | COLETTE M CRABBE  | USA | 2022 |
| 1:13.59     | AMY JO RIEGER     | PUR | 2021 | 5:22.50      | SUSAN RITTER       | USA | 2023 | 1:29.76     | LO D KNAPP        | USA | 2019 |
| 1:14.23     | SARAH MACDONALD   | CAN | 2020 | 5:22.78      | S.LOFTUS-CHARLEY   | USA | 2016 | 1:30.22     | JANETTE JEFFREY   | AUS | 2017 |
| 1:15.07     | LAURA VAL         | USA | 2013 | 5:23.19      | CHARLOTTE DAVIS    | USA | 2015 | 1:30.23     | IRINA SHANGINA    | RUS | 2020 |
| 1:16.06     | JULIE HOYLE       | GBR | 2022 | 800 M. FREE  |                    |     |      | 1:30.81     | CHARLOTTE DAVIS   | USA | 2016 |
| 1:16.22     | COLETTE CRABBE    | USA | 2017 | 10:34.67     | LAURA VAL          | USA | 2016 | 1:30.99     | BETH A ESTEL      | USA | 2021 |
| 1:16.41     | JUDITH PEARSON    | GBR | 2020 | 10:40.98     | S.HEIM-BOWEN       | USA | 2023 | 200 M. BRST |                   |     |      |
| 1:16.42     | IKUKO TAKATANI    | JPN | 2023 | 10:53.01     | N.STEADMAN MARTIN  | USA | 2023 | 3:07.97     | AMANDA HEATH      | GBR | 2022 |
| 1:16.69     | LEIGH RODGERS     | AUS | 2015 | 10:55.71     | S.LOFTUS-CHARLEY   | USA | 2016 | 3:09.80     | JENNY WHITELEY    | AUS | 2023 |
| 200 M. I.M. |                   |     |      | 10:57.88     | C.TARANTINO        | ITA | 2020 | 3:10.75     | JANETTE JEFFREY   | AUS | 2015 |
| 2:36.81     | JENNY WHITELEY    | AUS | 2018 | 11:02.04     | KAREN L EINSIDLER  | USA | 2021 | 3:10.94     | LO D KNAPP        | USA | 2019 |
| 2:40.29     | LYNN MARSHALL     | CAN | 2022 | 11:05.36     | SUSAN M RITTER     | USA | 2022 | 3:14.02     | KEIKO UTSUMI      | JPN | 2021 |
| 2:41.53     | LAURA VAL         | USA | 2013 | 11:07.78     | LINDA BLAND        | USA | 2023 | 3:14.08     | COLETTE M CRABBE  | USA | 2022 |
| 2:42.99     | AMY J RIEGER      | USA | 2021 | 11:09.56     | CHRISTIE CIRAULO   | USA | 2019 | 3:14.89     | NOBUKO YASUDA     | JPN | 2010 |
| 2:43.04     | COLETTE CRABBE    | USA | 2017 | 11:09.87     | CHARLOTTE DAVIS    | USA | 2015 | 3:17.44     | JOANN LEILICH     | USA | 2004 |
| 2:44.53     | JULIE HOYLE       | GBR | 2023 | 1500 M. FREE |                    |     |      | 3:18.41     | IRINA SHANGINA    | RUS | 2020 |
| 2:44.90     | ROBYN CROTTY      | NZL | 2021 | 20:05.72     | S.HEIM-BOWEN       | USA | 2023 | 3:20.12     | MASUMI SATO       | JPN | 2022 |
| 2:45.80     | MARJAN REMMITS    | NED | 2023 | 20:21.61     | LAURA VAL          | USA | 2016 | 50 M. FLY   |                   |     |      |
| 2:46.75     | BONNIE BILICH     | USA | 2018 | 20:37.33     | NANCY MARTIN       | USA | 2021 | 32.57       | PENNY P NOYES     | USA | 2019 |
| 2:48.13     | JUDITH PEARSON    | GBR | 2022 | 20:37.63     | S.LOFTUS-CHARLEY   | USA | 2016 | 33.06       | LAURA VAL         | USA | 2017 |
| 400 M. I.M. |                   |     |      | 20:44.71     | KAREN L EINSIDLER  | USA | 2021 | 33.56       | CHARLOTTE DAVIS   | USA | 2016 |
| 5:37.15     | LYNN MARSHALL     | CAN | 2022 | 20:47.65     | LINDA BLAND        | USA | 2023 | 34.07       | VERONICA HIBBEN   | USA | 2022 |
| 5:43.83     | ROBYN CROTTY      | NZL | 2021 | 20:51.88     | C.TARANTINO        | ITA | 2020 | 34.11       | CHRISTIE CIRAULO  | USA | 2019 |
| 5:50.34     | COLETTE CRABBE    | USA | 2017 | 21:01.04     | CHRISTIE CIRAULO   | USA | 2019 | 34.30       | LEIGH RODGERS     | AUS | 2022 |
| 5:51.11     | BONNIE SPIVEY     | USA | 2018 | 21:03.06     | SUSAN M RITTER     | USA | 2022 | 34.53       | DIANN UUSTAL      | USA | 2013 |
| 5:51.81     | LAURA VAL         | USA | 2011 | 21:21.43     | M. HEFFERNAN       | AUS | 2021 | 34.68       | JENNY WHITELEY    | AUS | 2023 |
| 5:57.07     | JUDITH PEARSON    | GBR | 2022 | 50 M. BACK   |                    |     |      | 35.15       | TAEKO MURAKAMI    | JPN | 2022 |
| 5:57.70     | CHARLOTTE DAVIS   | USA | 2010 | 33.41        | LAURA B VAL        | USA | 2019 | 35.17       | HARUMI SUGINUMA   | JPN | 2022 |
| 5:57.96     | PIERRETTE MICHEL  | BEL | 2023 | 35.47        | CECILIA MCCLOSKEY  | USA | 2018 | 100 M. FLY  |                   |     |      |
| 5:58.59     | CECILIA STANFORD  | RSA | 2021 | 35.58        | DIANN UUSTAL       | USA | 2011 | 1:13.47     | LAURA B VAL       | USA | 2019 |
| 6:03.26     | S.LOFTUS-CHARLEY  | USA | 2011 | 35.97        | PENNY P NOYES      | USA | 2022 | 1:14.84     | PENNY P NOYES     | USA | 2019 |
| *****       |                   |     |      | 36.37        | JOAN L PFINGSGRAFF | USA | 2019 | 1:17.99     | LEIGH RODGERS     | AUS | 2022 |
| WOMEN 65-69 |                   |     |      | 36.58        | MARGIT OHLSSON     | SWE | 2010 | 1:18.80     | CHARLOTTE DAVIS   | USA | 2015 |
| *****       |                   |     |      | 36.72        | WENDY MCNAMARA     | USA | 2023 | 1:20.71     | COLETTE M CRABBE  | USA | 2022 |
| 50 M. FREE  |                   |     |      | 36.85        | CLARY MUNNS        | AUS | 2009 | 1:21.13     | CECILIA MCCLOSKEY | USA | 2016 |
| 29.30       | LAURA VAL         | USA | 2016 | 37.06        | K.ANDRUS-HUGHES    | USA | 2023 | 1:21.14     | JEANNE L LAPPIN   | USA | 2022 |
| 29.44       | PENNY P NOYES     | USA | 2019 | 37.10        | RACHEL BARTON      | GBR | 2014 | 1:22.66     | VERONICA HIBBEN   | USA | 2021 |
| 29.45       | ALYSON FORDHAM    | GBR | 2023 | 100 M. BACK  |                    |     |      | 1:22.67     | ANDRA JAUNZEME    | LAT | 2021 |
| 29.91       | JENNY WHITELEY    | AUS | 2023 | 1:13.08      | LAURA VAL          | USA | 2018 | 1:23.41     | BRIGITTE MERTEN   | GER | 2011 |
| 30.18       | VERONICA HIBBEN   | USA | 2021 | 1:16.61      | CECILIA MCCLOSKEY  | USA | 2018 | 200 M. FLY  |                   |     |      |
| 30.73       | A.PIJTAK-RADERSMA | NED | 2021 | 1:17.95      | DIANN UUSTAL       | USA | 2011 | 2:45.20     | LAURA VAL         | USA | 2016 |
| 30.76       | LYNN MORRISON     | USA | 2019 | 1:17.99      | JOAN L PFINGSGRAFF | USA | 2019 | 3:02.56     | PENNY P NOYES     | USA | 2022 |
| 30.79       | CHARLOTTE DAVIS   | USA | 2015 | 1:18.70      | ALYSON FORDHAM     | GBR | 2023 | 3:02.57     | NANCY MARTIN      | USA | 2019 |
| 31.38       | LINDSEY GOWLAND   | GBR | 2022 | 1:18.81      | MARGIT OHLSSON     | SWE | 2011 | 3:03.97     | S.LOFTUS-CHARLEY  | USA | 2016 |
| 31.64       | SANDERINA KRUGER  | RSA | 2014 | 1:19.11      | K.ANDRUS-HUGHES    | USA | 2023 | 3:04.64     | LAURIE ALIOTO     | USA | 2023 |
| 100 M. FREE |                   |     |      | 1:19.47      | BARBARA E CHURCH   | USA | 2019 | 3:08.06     | COLETTE CRABBE    | USA | 2023 |
| 1:04.40     | LAURA VAL         | USA | 2017 | 1:19.69      | PENNY P NOYES      | USA | 2022 | 3:08.53     | ANDRA JAUNZEME    | LAT | 2021 |
| 1:06.90     | CHARLOTTE DAVIS   | USA | 2015 | 1:20.80      | A.PIJTAK-RADERSMA  | NED | 2023 | 3:10.40     | AMANDA HEATH      | GBR | 2023 |
| 1:07.07     | ALYSON FORDHAM    | GBR | 2023 | 200 M. BACK  |                    |     |      | 3:14.08     | SALLY MILLS       | GBR | 2020 |
| 1:07.10     | VERONICA HIBBEN   | USA | 2021 | 2:42.87      | LAURA VAL          | USA | 2017 | 3:15.63     | CAROLYN BOAK      | USA | 2012 |
| 1:07.16     | PENNY P NOYES     | USA | 2022 | 2:48.83      | JOAN L PFINGSGRAFF | USA | 2019 | 100 M. I.M. |                   |     |      |
| 1:08.00     | A.PIJTAK-RADERSMA | NED | 2021 | 2:50.10      | CECILIA MCCLOSKEY  | USA | 2015 | 1:15.65     | PENNY P NOYES     | USA | 2019 |
| 1:08.25     | SANDERINA KRUGER  | RSA | 2015 | 2:53.36      | DIANN UUSTAL       | USA | 2011 | 1:16.42     | LAURA B VAL       | USA | 2019 |
| 1:09.52     | CATHY MERRITT     | CAN | 2017 | 2:53.87      | ALYSON FORDHAM     | GBR | 2023 | 1:19.10     | CHARLOTTE DAVIS   | USA | 2015 |
| 1:09.58     | LYNN MORRISON     | USA | 2021 | 2:55.02      | MARGIT OHLSSON     | SWE | 2011 | 1:19.29     | COLETTE M CRABBE  | USA | 2022 |
| 1:10.66     | CONNIE BOER-BUYS  | NED | 2016 | 2:55.16      | DIANE COETZEE      | RSA | 2021 | 1:19.69     | ALYSON FORDHAM    | GBR | 2023 |
| 200 M. FREE |                   |     |      | 2:55.98      | K.ANDRUS-HUGHES    | USA | 2023 | 1:20.10     | A.PIJTAK-RADERSMA | NED | 2023 |
| 2:23.26     | LAURA VAL         | USA | 2017 | 2:56.62      | A.PIJTAK-RADERSMA  | NED | 2023 | 1:20.86     | DIANN UUSTAL      | USA | 2011 |
| 2:29.21     | VERONICA HIBBEN   | USA | 2022 | 2:57.20      | PENNY P NOYES      | USA | 2022 | 1:20.95     | COLETTE CRABBE    | USA | 2023 |
| 2:29.35     | CHARLOTTE DAVIS   | USA | 2015 | 50 M. BRST   |                    |     |      | 1:21.17     | CECILIA MCCLOSKEY | USA | 2017 |
| 2:30.33     | JENNY WHITELEY    | AUS | 2023 | 38.90        | DAGMAR FRESE       | GER | 2021 | 1:21.43     | VERONICA HIBBEN   | USA | 2022 |
| 2:33.14     | ALYSON FORDHAM    | GBR | 2022 | 39.36        | JENNY WHITELEY     | AUS | 2023 | 200 M. I.M. |                   |     |      |
| 2:33.72     | NANCY MARTIN      | USA | 2019 | 40.11        | AMANDA HEATH       | GBR | 2023 | 2:46.04     | LAURA B VAL       | USA | 2019 |
| 2:33.93     | SUSAN RITTER      | USA | 2023 | 40.66        | SALLY SHIELDS      | GBR | 2019 | 2:52.76     | COLETTE M CRABBE  | USA | 2022 |
|             |                   |     |      | 40.90        | NOBUKO YASUDA      | JPN | 2010 | 2:53.33     | CHARLOTTE DAVIS   | USA | 2015 |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|             |                   |     |      |              |                   |     |      |             |                   |     |      |
|-------------|-------------------|-----|------|--------------|-------------------|-----|------|-------------|-------------------|-----|------|
| 2:54.60     | PENNY P NOYES     | USA | 2022 | 12:30.00     | JANE ASHER        | GBR | 2004 | 3:31.07     | CLARY MUNNS       | AUS | 2015 |
| 2:55.88     | CECILIA MCCLOSKEY | USA | 2016 | 12:30.04     | MARGARETA RAINER  | SWE | 2019 | 3:32.74     | KATHLEEN LEWIS    | USA | 2022 |
| 2:57.62     | LEIGH RODGERS     | AUS | 2022 | 1500 M. FREE |                   |     |      | 3:33.22     | LUISE KNOPFLE     | GER | 2009 |
| 2:57.85     | LO D KNAPP        | USA | 2019 | 21:03.47     | CHRISTIE CIRAULO  | USA | 2023 | 3:34.27     | MARGOT PETTIJOHN  | USA | 2016 |
| 2:57.95     | ANDRA JAUNZEME    | USA | 2021 | 21:54.24     | S.LOFTUS-CHARLEY  | USA | 2023 | 50 M. FLY   |                   |     |      |
| 2:58.24     | AMANDA HEATH      | GBR | 2022 | 22:06.78     | CECILIA MCCLOSKEY | USA | 2020 | 34.14       | LAURA VAL         | USA | 2023 |
| 2:59.30     | S.LOFTUS-CHARLEY  | USA | 2016 | 23:17.14     | EVIE S LYNCH      | USA | 2022 | 35.12       | DIANN UUSTAL      | USA | 2016 |
| 400 M. I.M. |                   |     |      | 23:39.90     | MARCIA BARRY      | USA | 2018 | 35.48       | CHRISTIE CIRAULO  | USA | 2023 |
| 5:55.00     | LAURA VAL         | USA | 2016 | 23:54.74     | JANE ASHER        | GBR | 2004 | 36.10       | JUDY WILSON       | GBR | 2015 |
| 6:10.58     | COLETTE M CRABBE  | USA | 2022 | 23:58.11     | JACKIE MARR       | USA | 2013 | 36.25       | ANDRA JAUNZEME    | USA | 2023 |
| 6:16.30     | S.LOFTUS-CHARLEY  | USA | 2016 | 24:02.08     | SALLY K GUTHRIE   | USA | 2022 | 36.69       | BRIGITTE MERTEN   | GER | 2016 |
| 6:20.07     | NANCY MARTIN      | USA | 2021 | 24:03.42     | RUTH Y SHAPS      | USA | 2019 | 36.84       | KATHLEEN D INGLIS | USA | 2021 |
| 6:21.67     | AMANDA HEATH      | GBR | 2022 | 24:07.42     | TRACY CLARKSON    | AUS | 2020 | 36.88       | MARGARET TOPPEL   | USA | 2018 |
| 6:22.01     | CECILIA MCCLOSKEY | USA | 2016 | 50 M. BACK   |                   |     |      | 37.35       | SUMIKO KOBAYASHI  | JPN | 2020 |
| 6:23.70     | AUDREY COOPER     | GBR | 2019 | 33.60        | LAURA VAL         | USA | 2023 | 37.71       | YOSHIKO KADOSAKA  | JPN | 2019 |
| 6:26.14     | KAREN L EINSIDLER | USA | 2021 | 36.68        | CECILIA MCCLOSKEY | USA | 2020 | 100 M. FLY  |                   |     |      |
| 6:26.20     | ANDRA JAUNZEME    | USA | 2018 | 37.50        | MARGIT OHLSSON    | SWE | 2015 | 1:15.46     | LAURA B VAL       | USA | 2021 |
| 6:28.11     | CHARLOTTE DAVIS   | USA | 2015 | 37.67        | DIANN UUSTAL      | USA | 2016 | 1:19.98     | CECILIA MCCLOSKEY | USA | 2020 |
| *****       |                   |     |      | 37.78        | CLARY MUNNS       | AUS | 2015 | 1:24.03     | JUDY WILSON       | GBR | 2016 |
| WOMEN 70-74 |                   |     |      | 39.16        | RACHEL BARTON     | GBR | 2018 | 1:26.51     | KATHLEEN D INGLIS | USA | 2021 |
| *****       |                   |     |      | 39.37        | J.WOOLSLAYER      | USA | 2023 | 1:27.19     | CHRISTIE CIRAULO  | USA | 2023 |
| 50 M. FREE  |                   |     |      | 39.44        | E.KETELSEN        | DEN | 2013 | 1:28.40     | BRIGITTE MERTEN   | GER | 2016 |
| 30.55       | LAURA B VAL       | USA | 2022 | 39.77        | MARGARET H TOPPEL | USA | 2019 | 1:28.55     | YOSHIKO OSAKI     | JPN | 2009 |
| 32.21       | FRANCES JENKINS   | GBR | 2017 | 39.79        | SATOKO TAKEUJI    | JPN | 2013 | 1:29.29     | KIRA MAKAROVA     | RUS | 2018 |
| 32.38       | DIANN UUSTAL      | USA | 2016 | 100 M. BACK  |                   |     |      | 1:32.77     | S.LOFTUS-CHARLEY  | USA | 2023 |
| 32.47       | CONNY BOER-BUIJS  | NED | 2020 | 1:13.10      | LAURA VAL         | USA | 2023 | 1:33.10     | YURI SUETSUGU     | JPN | 2023 |
| 32.91       | CAROLE SMITH      | ITA | 2023 | 1:17.36      | CECILIA MCCLOSKEY | USA | 2020 | 200 M. FLY  |                   |     |      |
| 33.10       | SANDERINA KRUGER  | RSA | 2019 | 1:22.15      | MARGIT OHLSSON    | SWE | 2015 | 2:57.32     | LAURA VAL         | USA | 2023 |
| 33.34       | CHRISTEL SCHULZ   | GER | 2010 | 1:22.65      | DIANN UUSTAL      | USA | 2016 | 3:20.57     | S.LOFTUS-CHARLEY  | USA | 2022 |
| 33.36       | YOSHIKO OSAKI     | JPN | 2009 | 1:25.13      | CLARY MUNNS       | AUS | 2014 | 3:26.33     | KRIS WINGENROTH   | USA | 2023 |
| 33.39       | YOSHIKO KADOSAKA  | JPN | 2019 | 1:25.85      | J.WOOLSLAYER      | USA | 2023 | 3:26.35     | KIRA MAKAROVA     | RUS | 2018 |
| 33.40       | BITTE AXLING      | SWE | 2017 | 1:26.25      | SATOKO TAKEUJI    | JPN | 2012 | 3:26.57     | CLARY MUNNS       | AUS | 2016 |
| 100 M. FREE |                   |     |      | 1:27.00      | EVIE S LYNCH      | USA | 2022 | 3:26.69     | JUDY WILSON       | GBR | 2016 |
| 1:06.02     | LAURA VAL         | USA | 2023 | 1:27.10      | JULIE GUNTHERP    | NZL | 2017 | 3:27.16     | CAROLYN BOAK      | USA | 2016 |
| 1:10.25     | CHARLOTTE M DAVIS | USA | 2020 | 1:27.45      | E.KETELSEN        | DEN | 2013 | 3:30.68     | MARGOT PETTIJOHN  | USA | 2016 |
| 1:12.04     | SANDERINA KRUGER  | RSA | 2019 | 200 M. BACK  |                   |     |      | 3:34.59     | YOSHIKO OSAKI     | JPN | 2009 |
| 1:12.58     | DIANN UUSTAL      | USA | 2016 | 2:43.77      | LAURA VAL         | USA | 2023 | 3:35.25     | CHERYL A MURRAY   | USA | 2022 |
| 1:12.97     | YOSHIKO OSAKI     | JPN | 2009 | 2:58.64      | MARGIT OHLSSON    | SWE | 2015 | 100 M. I.M. |                   |     |      |
| 1:13.78     | CONNY BOER-BUIJS  | NED | 2020 | 3:04.82      | DIANN UUSTAL      | USA | 2017 | 1:18.81     | LAURA B VAL       | USA | 2022 |
| 1:14.69     | CHRISTEL SCHULZ   | GER | 2010 | 3:05.23      | CLARY MUNNS       | AUS | 2015 | 1:21.09     | CECILIA MCCLOSKEY | USA | 2020 |
| 1:15.43     | CHRISTIE CIRAULO  | USA | 2023 | 3:10.84      | BENEDICT DUPREZ   | FRA | 2022 | 1:23.23     | DIANN UUSTAL      | USA | 2016 |
| 1:16.37     | C.NIEUWENHUIS     | NED | 2023 | 3:11.17      | S.LOFTUS-CHARLEY  | USA | 2023 | 1:23.42     | BRIGITTE MERTEN   | GER | 2016 |
| 1:16.45     | JANE ASHER        | GBR | 2004 | 3:11.41      | E.KETELSEN        | DEN | 2013 | 1:24.18     | ANDRA JAUNZEME    | USA | 2023 |
| 200 M. FREE |                   |     |      | 3:11.71      | JULIE GUNTHERP    | NZL | 2017 | 1:24.41     | CLARY MUNNS       | AUS | 2016 |
| 2:25.35     | LAURA VAL         | USA | 2023 | 3:12.33      | RACHEL BARTON     | GBR | 2018 | 1:24.88     | YOSHIKO OSAKI     | JPN | 2009 |
| 2:33.19     | CHARLOTTE M DAVIS | USA | 2020 | 3:12.67      | JOY WARD          | USA | 2012 | 1:25.13     | MARGIT OHLSSON    | SWE | 2015 |
| 2:39.94     | CHRISTIE CIRAULO  | USA | 2023 | 50 M. BRST   |                   |     |      | 1:25.89     | MARGARET TOPPEL   | USA | 2018 |
| 2:41.78     | CONNY BOER-BUIJS  | NED | 2020 | 42.10        | CAROLE SMITH      | ITA | 2023 | 1:26.69     | KIRA MAKAROVA     | RUS | 2020 |
| 2:42.75     | S.LOFTUS-CHARLEY  | USA | 2022 | 42.80        | SHOKO YONEZAWA    | JPN | 2005 | 200 M. I.M. |                   |     |      |
| 2:43.60     | DIANN UUSTAL      | USA | 2016 | 42.95        | KAYAKO HIROSE     | JPN | 2017 | 2:52.19     | LAURA B VAL       | USA | 2021 |
| 2:44.70     | YOSHIKO OSAKI     | JPN | 2008 | 43.18        | MONIKA SENFTLEBEN | GER | 2012 | 2:55.56     | CECILIA MCCLOSKEY | USA | 2020 |
| 2:47.82     | CHRISTEL SCHULZ   | GER | 2010 | 43.26        | NOBUKO YASUDA     | JPN | 2015 | 3:08.87     | ANDRA JAUNZEME    | USA | 2023 |
| 2:49.28     | JANE ASHER        | GBR | 2003 | 43.55        | ANDRA JAUNZEME    | USA | 2023 | 3:09.58     | CLARY MUNNS       | AUS | 2017 |
| 2:49.70     | JEN THOMASSON     | AUS | 2013 | 43.64        | KATHLEEN LEWIS    | USA | 2022 | 3:11.14     | YOSHIKO OSAKI     | JPN | 2009 |
| 400 M. FREE |                   |     |      | 43.84        | KEIKO IKEDA       | JPN | 2023 | 3:11.17     | BRIGITTE MERTEN   | GER | 2016 |
| 5:18.26     | LAURA VAL         | USA | 2023 | 43.95        | CLARY MUNNS       | AUS | 2015 | 3:12.12     | S.LOFTUS-CHARLEY  | USA | 2023 |
| 5:21.28     | CHRISTIE CIRAULO  | USA | 2023 | 44.05        | DIANE FORD        | GBR | 2014 | 3:12.16     | CHRISTEL SCHULZ   | GER | 2011 |
| 5:28.76     | CHARLOTTE M DAVIS | USA | 2020 | 100 M. BRST  |                   |     |      | 3:12.50     | KIRA MAKAROVA     | RUS | 2019 |
| 5:38.76     | S.LOFTUS-CHARLEY  | USA | 2022 | 1:33.92      | NOBUKO YASUDA     | JPN | 2015 | 3:13.05     | DIANN UUSTAL      | USA | 2017 |
| 5:50.41     | YOSHIKO OSAKI     | JPN | 2008 | 1:34.86      | DIANE FORD        | GBR | 2014 | 400 M. I.M. |                   |     |      |
| 5:53.96     | CHERYL A MURRAY   | USA | 2022 | 1:35.58      | SHOKO YONEZAWA    | JPN | 2005 | 6:07.14     | LAURA VAL         | USA | 2023 |
| 5:55.02     | CECILIA MCCLOSKEY | USA | 2020 | 1:35.94      | KEIKO IKEDA       | JPN | 2023 | 6:41.90     | S.LOFTUS-CHARLEY  | USA | 2022 |
| 5:56.79     | CAROLYN BOAK      | USA | 2016 | 1:36.05      | KATHLEEN LEWIS    | USA | 2022 | 6:47.91     | BRIGITTE MERTEN   | GER | 2016 |
| 5:56.99     | JEN THOMASSON     | AUS | 2013 | 1:36.63      | YOSHIKO OSAKI     | JPN | 2010 | 6:51.30     | CLARY MUNNS       | AUS | 2015 |
| 5:58.24     | MAUREEN MONS      | RSA | 2021 | 1:36.93      | MARGOT PETTIJOHN  | USA | 2016 | 6:56.79     | YOSHIKO OSAKI     | JPN | 2008 |
| 800 M. FREE |                   |     |      | 1:36.94      | MASAYO AZUMA      | JPN | 2005 | 7:01.89     | CHERYL A MURRAY   | USA | 2022 |
| 11:08.52    | CHRISTIE CIRAULO  | USA | 2023 | 1:37.08      | ANDRA JAUNZEME    | USA | 2023 | 7:09.96     | JANE ASHER        | GBR | 2001 |
| 11:37.00    | S.LOFTUS-CHARLEY  | USA | 2023 | 1:37.11      | LUISE KNOPFLE     | GER | 2009 | 7:12.34     | KATHY SLIFER      | USA | 2016 |
| 11:54.61    | CECILIA MCCLOSKEY | USA | 2020 | 200 M. BRST  |                   |     |      | 7:13.03     | MAUREEN MONS      | RSA | 2021 |
| 12:05.88    | CONNY BOER-BUIJS  | NED | 2020 | 3:24.57      | NOBUKO YASUDA     | JPN | 2017 | 7:13.93     | KRIS WINGENROTH   | USA | 2023 |
| 12:08.55    | LORI WYLIE        | CAN | 2023 | 3:25.76      | JOANN LEILICH     | USA | 2009 | *****       |                   |     |      |
| 12:11.34    | CAROLYN BOAK      | USA | 2016 | 3:28.12      | DIANE FORD        | GBR | 2014 | WOMEN 75-79 |                   |     |      |
| 12:19.33    | EVIE S LYNCH      | USA | 2022 | 3:28.98      | MASAYO AZUMA      | JPN | 2005 | *****       |                   |     |      |
| 12:29.77    | CHRISTIE HAYES    | USA | 2018 | 3:30.16      | SHOKO YONEZAWA    | JPN | 2005 | 50 M. FREE  |                   |     |      |
|             |                   |     |      | 3:30.22      | ANDRA JAUNZEME    | USA | 2023 |             |                   |     |      |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|              |                   |     |      |             |                 |     |      |             |                   |     |      |
|--------------|-------------------|-----|------|-------------|-----------------|-----|------|-------------|-------------------|-----|------|
| 34.04        | DIANN UUSTAL      | USA | 2022 | 43.18       | BITTE AXLING    | SWE | 2021 | 1:44.90     | YOSHIKO OSAKI     | JPN | 2013 |
| 34.58        | CHRISTEL SCHULZ   | GER | 2015 | 43.19       | MARLENE MENDES  | BRA | 2008 | 1:45.10     | JANE ASHER        | GBR | 2006 |
| 35.25        | BITTE AXLING      | SWE | 2021 | 100 M. BACK |                 |     |      | 1:46.04     | DANIELA BARNEA    | USA | 2019 |
| 35.39        | IKUKO OKADO       | JPN | 2018 | 1:26.40     | DIANN UUSTAL    | USA | 2022 | 1:46.98     | HELGA REICH       | GER | 2011 |
| 35.41        | YOSHIKO OSAKI     | JPN | 2014 | 1:27.40     | CLARY MUNNS     | AUS | 2019 | 1:47.96     | DIANE FORD        | GBR | 2019 |
| 35.42        | MADLINE LANTHIER  | CAN | 2018 | 1:29.03     | MARGIT OHLSSON  | SWE | 2020 | 200 M. FLY  |                   |     |      |
| 35.43        | KIRA MAKAROVA     | RUS | 2022 | 1:29.04     | E.KETELSEN      | DEN | 2018 | 3:34.50     | CLARY MUNNS       | AUS | 2019 |
| 35.74        | CLARY MUNNS       | AUS | 2019 | 1:29.73     | SATOKO TAKEUJI  | JPN | 2017 | 3:57.22     | DANIELA BARNEA    | USA | 2019 |
| 35.88        | JANE ASHER        | GBR | 2006 | 1:33.63     | RACHEL BARTON   | GBR | 2023 | 3:57.63     | HELGA REICH       | GER | 2012 |
| 36.09        | M.LANTHIER        | CAN | 2019 | 1:33.68     | CHRISTEL SCHULZ | GER | 2015 | 3:58.98     | LINDA MACPHERSON  | CAN | 2013 |
| 100 M. FREE  |                   |     |      | 1:34.32     | NORIKO YOSHIDA  | JPN | 2018 | 4:00.46     | JUDIE OLIVER      | CAN | 2007 |
| 1:15.87      | DIANN UUSTAL      | USA | 2021 | 1:34.38     | ELIANE PELLIS   | BEL | 2009 | 4:01.71     | JANET GETTLING    | USA | 2023 |
| 1:18.30      | KIRA MAKAROVA     | RUS | 2022 | 1:35.18     | YOSHIKO OSAKI   | JPN | 2015 | 4:06.06     | JANE ASHER        | GBR | 2006 |
| 1:18.59      | JANE ASHER        | GBR | 2006 | 200 M. BACK |                 |     |      | 4:08.39     | LOIS KIVI NOCHMAN | USA | 1999 |
| 1:19.11      | CHRISTEL SCHULZ   | GER | 2015 | 3:10.53     | DIANN UUSTAL    | USA | 2021 | 4:08.54     | SEIKO HASEBE      | JPN | 2019 |
| 1:19.41      | YOSHIKO OSAKI     | JPN | 2015 | 3:12.65     | CLARY MUNNS     | AUS | 2019 | 4:09.28     | GAIL ROPER        | USA | 2004 |
| 1:20.59      | AIDA DAVIS        | PER | 2023 | 3:19.37     | NORIKO YOSHIDA  | JPN | 2018 | 100 M. I.M. |                   |     |      |
| 1:21.12      | CLARY MUNNS       | AUS | 2019 | 3:20.26     | E.KETELSEN      | DEN | 2018 | 1:27.96     | CLARY MUNNS       | AUS | 2019 |
| 1:21.26      | MADLINE LANTHIER  | CAN | 2018 | 3:22.68     | CHRISTEL SCHULZ | GER | 2015 | 1:28.60     | KIRA MAKAROVA     | RUS | 2022 |
| 1:22.09      | E.KETELSEN        | DEN | 2018 | 3:23.28     | MARGIT OHLSSON  | SWE | 2023 | 1:29.53     | DIANN UUSTAL      | USA | 2022 |
| 1:22.24      | RUTH SHAPS        | USA | 2023 | 3:29.45     | KAZUKO ITO      | JPN | 2017 | 1:31.34     | BRIGITTE MERTEN   | GER | 2021 |
| 200 M. FREE  |                   |     |      | 3:30.38     | RACHEL BARTON   | GBR | 2023 | 1:31.38     | YOSHIKO OSAKI     | JPN | 2013 |
| 2:51.46      | DIANN UUSTAL      | USA | 2022 | 3:31.66     | JEN THOMASSON   | AUS | 2019 | 1:31.62     | SHOKO YONEZAWA    | JPN | 2010 |
| 2:51.65      | YOSHIKO OSAKI     | JPN | 2013 | 3:32.59     | JANE ASHER      | GBR | 2006 | 1:32.92     | JANE ASHER        | GBR | 2006 |
| 2:57.19      | JANE ASHER        | GBR | 2006 | 50 M. BRST  |                 |     |      | 1:33.86     | CHRISTEL SCHULZ   | GER | 2015 |
| 2:58.33      | JEN THOMASSON     | AUS | 2018 | 43.79       | SHOKO YONEZAWA  | JPN | 2010 | 1:38.11     | GAIL ROPER        | USA | 2004 |
| 3:00.26      | CHRISTEL SCHULZ   | GER | 2015 | 45.37       | DIANE FORD      | GBR | 2019 | 1:38.50     | BEVERLY MONTRELLA | USA | 2022 |
| 3:04.79      | MADLINE LANTHIER  | CAN | 2018 | 45.48       | NOBUKO YASUDA   | JPN | 2020 | 200 M. I.M. |                   |     |      |
| 3:06.33      | AIDA DAVIS        | PER | 2023 | 45.89       | KIRA MAKAROVA   | RUS | 2022 | 3:15.24     | KIRA MAKAROVA     | RUS | 2022 |
| 3:07.53      | ESTER HOLDSHTEN   | ISR | 2023 | 46.20       | JOANN LEILICH   | USA | 2014 | 3:16.79     | CLARY MUNNS       | AUS | 2019 |
| 3:07.58      | GAIL ROPER        | USA | 2005 | 46.24       | CLARY MUNNS     | AUS | 2019 | 3:22.23     | YOSHIKO OSAKI     | JPN | 2013 |
| 3:07.97      | E.KETELSEN        | DEN | 2018 | 46.62       | BITTE AXLING    | SWE | 2021 | 3:28.12     | BRIGITTE MERTEN   | GER | 2022 |
| 400 M. FREE  |                   |     |      | 46.86       | ELIANE PELLIS   | BEL | 2008 | 3:30.27     | CHRISTEL SCHULZ   | GER | 2015 |
| 6:08.74      | YOSHIKO OSAKI     | JPN | 2015 | 46.94       | A.VAN OBERGHEN  | BEL | 2008 | 3:31.20     | JANE ASHER        | GBR | 2006 |
| 6:09.40      | JANE ASHER        | GBR | 2006 | 47.07       | BRIGITTE MERTEN | GER | 2022 | 3:32.91     | CAROLYN BOAK      | USA | 2021 |
| 6:17.67      | CAROLYN BOAK      | USA | 2021 | 100 M. BRST |                 |     |      | 3:34.05     | DANIELA BARNEA    | USA | 2019 |
| 6:30.04      | RUTH SHAPS        | USA | 2023 | 1:36.48     | SHOKO YONEZAWA  | JPN | 2010 | 3:35.06     | JUDIE OLIVER      | CAN | 2007 |
| 6:34.85      | MARCIA BARRY      | USA | 2023 | 1:37.49     | NOBUKO YASUDA   | JPN | 2020 | 3:37.24     | GAIL ROPER        | USA | 2005 |
| 6:34.85      | ROSA MONTAGUE     | AUS | 2022 | 1:38.81     | LUISE KNOPFLE   | GER | 2015 | 400 M. I.M. |                   |     |      |
| 6:38.46      | CHRISTIE HAYES    | USA | 2023 | 1:39.90     | DIANE FORD      | GBR | 2019 | 7:10.09     | CLARY MUNNS       | AUS | 2019 |
| 6:39.88      | DENISE ROBERTSON  | AUS | 2010 | 1:40.82     | JOANN LEILICH   | USA | 2014 | 7:11.33     | YOSHIKO OSAKI     | JPN | 2013 |
| 6:42.00      | LINDA MACPHERSON  | CAN | 2013 | 1:41.49     | CLARY MUNNS     | AUS | 2019 | 7:27.94     | CAROLYN BOAK      | USA | 2021 |
| 6:42.76      | E.KETELSEN        | DEN | 2018 | 1:42.36     | MASAYO AZUMA    | JPN | 2010 | 7:31.69     | BRIGITTE MERTEN   | GER | 2022 |
| 800 M. FREE  |                   |     |      | 1:43.34     | ELIANE PELLIS   | BEL | 2008 | 7:34.39     | JANE ASHER        | GBR | 2006 |
| 12:25.61     | YOSHIKO OSAKI     | JPN | 2013 | 1:43.58     | DANIELA BARNEA  | USA | 2019 | 7:39.96     | JUDIE OLIVER      | CAN | 2007 |
| 12:42.75     | JANE ASHER        | GBR | 2006 | 1:44.01     | A.VAN OBERGHEN  | BEL | 2008 | 7:42.05     | DANIELA BARNEA    | USA | 2019 |
| 13:05.40     | CAROLYN BOAK      | USA | 2021 | 200 M. BRST |                 |     |      | 7:52.71     | JUNE KRAUSER      | USA | 2001 |
| 13:07.49     | ROSA MONTAGUE     | AUS | 2022 | 3:33.03     | SHOKO YONEZAWA  | JPN | 2010 | 7:59.77     | NANCY BROWN       | USA | 2011 |
| 13:11.76     | RUTH Y SHAPS      | USA | 2022 | 3:36.11     | LUISE KNOPFLE   | GER | 2015 | 8:03.16     | JANET GETTLING    | USA | 2023 |
| 13:29.03     | MARCIA BARRY      | USA | 2023 | 3:36.56     | JOANN LEILICH   | USA | 2014 | *****       |                   |     |      |
| 13:38.02     | JOANNE MENARD     | USA | 2023 | 3:39.58     | DIANE FORD      | GBR | 2019 | WOMEN 80-84 |                   |     |      |
| 13:41.49     | E.KETELSEN        | DEN | 2018 | 3:40.80     | MASAYO AZUMA    | JPN | 2010 | *****       |                   |     |      |
| 13:44.04     | ESTER HOLDSHTEN   | ISR | 2023 | 3:44.13     | CLARY MUNNS     | AUS | 2019 | 50 M. FREE  |                   |     |      |
| 13:55.30     | HELGA REICH       | GER | 2013 | 3:45.84     | DANIELA BARNEA  | USA | 2019 | 36.08       | YOSHIKO OSAKI     | JPN | 2018 |
| 1500 M. FREE |                   |     |      | 3:46.90     | NOBUKO YASUDA   | JPN | 2022 | 37.31       | IKUKO OKADO       | JPN | 2023 |
| 24:04.75     | JANE ASHER        | GBR | 2006 | 3:47.58     | ELIANE PELLIS   | BEL | 2008 | 37.67       | JANE ASHER        | GBR | 2011 |
| 25:24.69     | MARCIA BARRY      | USA | 2023 | 3:48.93     | TAYO FUJIEDA    | JPN | 2013 | 37.72       | MADELEINE SEVIGNY | CAN | 2023 |
| 25:25.42     | JOANNE MENARD     | USA | 2023 | 50 M. FLY   |                 |     |      | 38.03       | GAIL ROPER        | USA | 2009 |
| 25:26.12     | RUTH Y SHAPS      | USA | 2022 | 38.17       | JUDY WILSON     | FRA | 2019 | 38.97       | CHRISTEL SCHULZ   | GER | 2022 |
| 25:40.21     | ROSA MONTAGUE     | AUS | 2023 | 38.30       | DIANN UUSTAL    | USA | 2022 | 39.21       | JOHNNIE DETRICK   | USA | 2016 |
| 26:13.05     | BEVERLY MONTRELLA | USA | 2022 | 39.55       | KIRA MAKAROVA   | RUS | 2023 | 39.36       | FUSAKO HIROOKA    | JPN | 2017 |
| 26:16.54     | E.KETELSEN        | DEN | 2018 | 40.14       | CLARY MUNNS     | AUS | 2019 | 39.65       | E.KETELSEN        | DEN | 2023 |
| 26:20.36     | LINDA MACPHERSON  | CAN | 2013 | 40.71       | JANE ASHER      | GBR | 2006 | 40.16       | MASAKO KOHA       | JPN | 2021 |
| 26:27.99     | ROSE DUDENEY      | GBR | 2022 | 41.14       | BRIGITTE MERTEN | GER | 2022 | 100 M. FREE |                   |     |      |
| 26:36.25     | JANET GETTLING    | USA | 2023 | 41.46       | CHRISTEL SCHULZ | GER | 2018 | 1:21.29     | YOSHIKO OSAKI     | JPN | 2018 |
| 50 M. BACK   |                   |     |      | 42.23       | HISAKO KITAYAMA | JPN | 2012 | 1:23.46     | JANE ASHER        | GBR | 2011 |
| 39.01        | CLARY MUNNS       | AUS | 2019 | 42.44       | HARUMI SUGIMOTO | JPN | 2013 | 1:25.13     | MADELEINE SEVIGNY | CAN | 2023 |
| 40.00        | DIANN UUSTAL      | USA | 2023 | 42.67       | BITTE AXLING    | SWE | 2021 | 1:26.23     | GAIL ROPER        | USA | 2009 |
| 40.74        | E.KETELSEN        | DEN | 2018 | 100 M. FLY  |                 |     |      | 1:28.80     | CHRISTEL SCHULZ   | GER | 2021 |
| 41.12        | SATOKO TAKEUJI    | JPN | 2017 | 1:30.03     | JUDY WILSON     | FRA | 2019 | 1:29.02     | E.KETELSEN        | DEN | 2023 |
| 41.50        | MARGIT OHLSSON    | SWE | 2020 | 1:31.56     | KIRA MAKAROVA   | RUS | 2022 | 1:32.76     | JOHNNIE DETRICK   | USA | 2016 |
| 41.64        | RACHEL BARTON     | GBR | 2023 | 1:36.09     | BRIGITTE MERTEN | GER | 2022 | 1:33.15     | LINDA MACPHERSON  | CAN | 2018 |
| 41.75        | HIROMI SATO       | JPN | 2017 | 1:40.06     | CLARY MUNNS     | AUS | 2019 | 1:33.19     | DENISE ROBERTSON  | AUS | 2015 |
| 42.73        | KIRA MAKAROVA     | RUS | 2023 | 1:44.35     | JUDIE OLIVER    | CAN | 2007 |             |                   |     |      |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|              |                   |     |      |             |                   |     |      |             |                  |     |      |
|--------------|-------------------|-----|------|-------------|-------------------|-----|------|-------------|------------------|-----|------|
| 1:33.88      | JEAN TROY         | USA | 2007 | 3:48.67     | YOKO ARAI         | JPN | 2022 | 1:43.51     | JUDIE OLIVER     | CAN | 2013 |
| 200 M. FREE  |                   |     |      | 3:49.32     | JUDIE OLIVER      | CAN | 2014 | 1:44.95     | GAIL ROPER       | USA | 2009 |
| 3:00.43      | YOSHIKO OSAKI     | JPN | 2018 | 3:49.97     | UTE REMENYI       | AUT | 2019 | 1:47.41     | CHRISTEL SCHULZ  | GER | 2022 |
| 3:01.61      | JANE ASHER        | GBR | 2011 | 3:56.50     | KAZUKO ITO        | JPN | 2022 | 1:48.18     | TAYO FUJIEDA     | JPN | 2019 |
| 3:13.78      | CHRISTEL SCHULZ   | GER | 2021 | 50 M. BRST  |                   |     |      | 1:49.26     | mitsuko komuro   | JPN | 2010 |
| 3:17.84      | MADELEINE SEVIGNY | CAN | 2023 | 46.48       | SHOKO YONEZAWA    | JPN | 2015 | 1:49.30     | MARCELA STASTNA  | CZE | 2017 |
| 3:18.57      | GAIL ROPER        | USA | 2009 | 47.20       | DIANE FORD        | GBR | 2023 | 1:52.18     | MARSHA REDDIE    | AUS | 2023 |
| 3:21.74      | DENISE ROBERTSON  | AUS | 2015 | 48.46       | ELIANE PELLIS     | BEL | 2013 | 200 M. I.M. |                  |     |      |
| 3:22.05      | LINDA MACPHERSON  | CAN | 2018 | 49.26       | LUISE KNOPFLE     | GER | 2019 | 3:43.73     | JANE ASHER       | GBR | 2011 |
| 3:25.56      | ANNE H WILLIAMS   | USA | 2019 | 49.35       | A.VAN OBBERGHEN   | BEL | 2011 | 3:47.29     | JUDIE OLIVER     | CAN | 2012 |
| 3:26.20      | K.PAPADOPOULOS    | CAN | 2023 | 50.48       | SATOKO SUZUKI     | JPN | 2003 | 3:55.51     | GAIL ROPER       | USA | 2009 |
| 3:26.52      | JEAN TROY         | USA | 2007 | 50.49       | JOANN LEILICH     | USA | 2019 | 4:02.56     | MARSHA REDDIE    | AUS | 2023 |
| 400 M. FREE  |                   |     |      | 50.73       | MASAYO AZUMA      | JPN | 2015 | 4:06.69     | TAYO FUJIEDA     | JPN | 2019 |
| 6:23.17      | YOSHIKO OSAKI     | JPN | 2019 | 50.81       | TAYO FUJIEDA      | JPN | 2018 | 4:07.37     | URSULA FROHLICH  | GER | 2015 |
| 6:34.92      | JANE ASHER        | GBR | 2011 | 51.12       | MONIKA SENFTLEBEN | GER | 2022 | 4:07.66     | JEAN TROY        | USA | 2007 |
| 6:57.02      | DENISE ROBERTSON  | AUS | 2015 | 100 M. BRST |                   |     |      | 4:08.28     | JOY WARD         | USA | 2022 |
| 7:03.25      | MADELEINE SEVIGNY | CAN | 2023 | 1:42.00     | DIANE FORD        | GBR | 2023 | 4:10.32     | ANNE H WILLIAMS  | USA | 2022 |
| 7:06.88      | LINDA MACPHERSON  | CAN | 2018 | 1:45.52     | SHOKO YONEZAWA    | JPN | 2015 | 4:11.26     | SUE MAYNE        | AUS | 2016 |
| 7:15.08      | KATSUE NOMURA     | JPN | 2022 | 1:45.82     | LUISE KNOPFLE     | GER | 2019 | 400 M. I.M. |                  |     |      |
| 7:20.91      | URSULA FROHLICH   | GER | 2017 | 1:49.42     | TAYO FUJIEDA      | JPN | 2018 | 8:04.67     | JUDIE OLIVER     | CAN | 2012 |
| 7:20.94      | HELGA REICH       | GER | 2018 | 1:49.50     | MASAYO AZUMA      | JPN | 2017 | 8:07.34     | JANE ASHER       | GBR | 2011 |
| 7:20.96      | JEAN TROY         | USA | 2007 | 1:49.73     | A.VAN OBBERGHEN   | BEL | 2011 | 8:39.68     | GAIL ROPER       | USA | 2009 |
| 7:22.51      | ANNE H WILLIAMS   | USA | 2019 | 1:50.15     | JOANN LEILICH     | USA | 2019 | 8:47.93     | URSULA FROHLICH  | GER | 2015 |
| 800 M. FREE  |                   |     |      | 1:53.56     | ANNE WILLIAMS     | USA | 2018 | 8:52.23     | JOY WARD         | USA | 2022 |
| 12:49.43     | JANE ASHER        | GBR | 2011 | 1:54.30     | SATOKO SUZUKI     | JPN | 2003 | 8:59.94     | SUSAN L MEYERS   | USA | 2022 |
| 14:12.49     | DENISE ROBERTSON  | AUS | 2015 | 1:55.24     | SANTA JAARSVELD   | RSA | 2017 | 9:01.89     | DENISE ROBERTSON | AUS | 2015 |
| 14:39.56     | LINDA MACPHERSON  | CAN | 2018 | 200 M. BRST |                   |     |      | 9:16.45     | KAZU KOYAMA      | JPN | 2019 |
| 14:56.40     | ANNE H WILLIAMS   | USA | 2019 | 3:53.56     | DIANE FORD        | GBR | 2023 | 9:20.08     | MOMOYO MOROI     | JPN | 2023 |
| 15:01.87     | KATSUE NOMURA     | JPN | 2022 | 3:54.35     | SHOKO YONEZAWA    | JPN | 2016 | 9:29.36     | SUE MAYNE        | AUS | 2018 |
| 15:11.46     | MADELEINE SEVIGNY | CAN | 2023 | 3:57.78     | MASAYO AZUMA      | JPN | 2016 |             |                  |     |      |
| 15:12.35     | JEAN TROY         | USA | 2007 | 4:00.52     | A.VAN OBBERGHEN   | BEL | 2011 | *****       |                  |     |      |
| 15:12.42     | URSULA FROHLICH   | GER | 2016 | 4:01.34     | JOANN LEILICH     | USA | 2019 | WOMEN 85-89 |                  |     |      |
| 15:19.18     | TAYO FUJIEDA      | JPN | 2019 | 4:02.76     | ANNE WILLIAMS     | USA | 2018 | *****       |                  |     |      |
| 15:24.58     | JUDIE OLIVER      | CAN | 2013 | 4:03.73     | TAYO FUJIEDA      | JPN | 2018 | 50 M. FREE  |                  |     |      |
| 1500 M. FREE |                   |     |      | 4:05.71     | YOSHIKO OSAKI     | JPN | 2020 | 38.75       | JANE ASHER       | GBR | 2016 |
| 25:45.37     | JANE ASHER        | GBR | 2011 | 4:06.13     | SANTA JAARSVELD   | RSA | 2017 | 40.13       | YOSHIKO OSAKI    | JPN | 2023 |
| 27:47.69     | KATSUE NOMURA     | JPN | 2022 | 4:10.42     | JUDIE OLIVER      | CAN | 2012 | 42.72       | FUSAKO HIROOKA   | JPN | 2022 |
| 28:05.55     | LINDA MACPHERSON  | CAN | 2019 | 50 M. FLY   |                   |     |      | 43.06       | FUMIKO NAKAMURA  | JPN | 2023 |
| 28:07.36     | ANNE H WILLIAMS   | USA | 2019 | 45.57       | JANE ASHER        | GBR | 2011 | 44.68       | MIEKO KAMOSHITA  | JPN | 2012 |
| 28:22.75     | DENISE ROBERTSON  | AUS | 2016 | 46.90       | JUDIE OLIVER      | CAN | 2012 | 45.14       | LINDA MACPHERSON | CAN | 2023 |
| 28:55.09     | JEAN TROY         | USA | 2007 | 48.51       | CHRISTEL SCHULZ   | GER | 2022 | 45.41       | DENISE ROBERTSON | AUS | 2022 |
| 28:57.32     | URSULA FROHLICH   | GER | 2016 | 48.77       | LUISE KNOPFLE     | GER | 2019 | 45.58       | HELEN BIRD       | AUS | 2022 |
| 29:34.22     | DOROTHY DICKEY    | AUS | 2010 | 48.79       | FUMIKO NAKAMURA   | JPN | 2018 | 45.84       | TOKUYO KAMIGAKI  | JPN | 2011 |
| 29:39.08     | MARGERY MEYER     | USA | 2002 | 48.85       | GAIL ROPER        | USA | 2009 | 46.01       | NAN BOHL         | USA | 2014 |
| 29:48.75     | RITA SIMONTON     | USA | 1998 | 49.05       | MARY ANN CASE     | USA | 2021 | 100 M. FREE |                  |     |      |
| 50 M. BACK   |                   |     |      | 49.44       | MARCELA STASTNA   | CZE | 2017 | 1:27.19     | YOSHIKO OSAKI    | JPN | 2023 |
| 43.72        | E.KETELSEN        | DEN | 2023 | 49.49       | HISAKO KITAYAMA   | JPN | 2018 | 1:28.60     | JANE ASHER       | GBR | 2016 |
| 43.76        | SATOKO TAKEUJI    | JPN | 2022 | 49.74       | SHOKO YAMADA      | JPN | 2018 | 1:38.55     | DENISE ROBERTSON | AUS | 2022 |
| 45.01        | HIROMI SATO       | JPN | 2022 | 100 M. FLY  |                   |     |      | 1:39.09     | LINDA MACPHERSON | CAN | 2023 |
| 45.08        | YOSHIKO OSAKI     | JPN | 2020 | 1:50.08     | JUDIE OLIVER      | CAN | 2012 | 1:41.35     | HELGA REICH      | GER | 2021 |
| 45.76        | NORIKO YOSHIDA    | JPN | 2023 | 1:56.74     | MARCELA STASTNA   | CZE | 2017 | 1:43.97     | JEAN TROY        | USA | 2012 |
| 46.10        | JANE ASHER        | GBR | 2011 | 1:58.02     | GAIL ROPER        | USA | 2009 | 1:44.91     | NAN BOHL         | USA | 2014 |
| 46.29        | SHOKO YONEZAWA    | JPN | 2016 | 1:59.41     | JANE ASHER        | GBR | 2011 | 1:45.51     | JUDIE OLIVER     | CAN | 2017 |
| 46.51        | HELEN BIRD        | AUS | 2017 | 1:59.67     | SHOKO YAMADA      | JPN | 2019 | 1:46.37     | SHOKO YAMADA     | JPN | 2023 |
| 47.60        | CHRISTEL SCHULZ   | GER | 2022 | 2:01.23     | HARU TSUKINO      | JPN | 2020 | 1:46.44     | DOROTHY DICKEY   | AUS | 2015 |
| 47.63        | JUDIE OLIVER      | CAN | 2014 | 2:01.56     | MARSHA REDDIE     | AUS | 2023 | 200 M. FREE |                  |     |      |
| 100 M. BACK  |                   |     |      | 2:02.63     | LOIS KIVI NOCHMAN | USA | 2004 | 3:12.66     | JANE ASHER       | GBR | 2016 |
| 1:35.77      | E.KETELSEN        | DEN | 2023 | 2:03.21     | MARY ANN CASE     | USA | 2021 | 3:13.00     | YOSHIKO OSAKI    | JPN | 2023 |
| 1:38.55      | NORIKO YOSHIDA    | JPN | 2023 | 2:05.26     | SUSAN L MEYERS    | USA | 2022 | 3:34.71     | DENISE ROBERTSON | AUS | 2021 |
| 1:40.82      | YOSHIKO OSAKI     | JPN | 2019 | 200 M. FLY  |                   |     |      | 3:37.10     | LINDA MACPHERSON | CAN | 2023 |
| 1:44.27      | CHRISTEL SCHULZ   | GER | 2022 | 4:10.18     | JUDIE OLIVER      | CAN | 2012 | 3:39.36     | HELGA REICH      | GER | 2021 |
| 1:44.88      | JANE ASHER        | GBR | 2011 | 4:25.65     | MARSHA REDDIE     | AUS | 2023 | 3:46.77     | TAYO FUJIEDA     | JPN | 2022 |
| 1:45.08      | SHOKO YONEZAWA    | JPN | 2016 | 4:31.97     | LOIS KIVI NOCHMAN | USA | 2005 | 3:49.35     | JEAN TROY        | USA | 2012 |
| 1:45.29      | JUDIE OLIVER      | CAN | 2014 | 4:38.58     | SUSAN L MEYERS    | USA | 2022 | 3:50.49     | DOROTHY DICKEY   | AUS | 2015 |
| 1:45.36      | EVA JAROSOVA      | CZE | 2016 | 4:46.48     | MARY ANN CASE     | USA | 2021 | 3:52.10     | KATHARINA FLORA  | HUN | 2020 |
| 1:46.03      | HELEN BIRD        | AUS | 2017 | 4:54.54     | BETTY RUSS        | USA | 2008 | 3:54.18     | MARGERY MEYER    | USA | 2007 |
| 1:46.73      | JOY WARD          | USA | 2022 | 5:20.76     | Y.KAPLAN-BADER    | FRA | 2010 | 400 M. FREE |                  |     |      |
| 200 M. BACK  |                   |     |      | 5:22.65     | MAXINE O MERLINO  | USA | 1992 | 6:57.06     | JANE ASHER       | GBR | 2016 |
| 3:32.48      | NORIKO YOSHIDA    | JPN | 2023 | 5:24.06     | JAE HOWELL        | USA | 2002 | 7:27.11     | DENISE ROBERTSON | AUS | 2022 |
| 3:35.28      | YOSHIKO OSAKI     | JPN | 2018 | 5:27.00     | JEAN DURSTON      | USA | 1997 | 7:31.52     | HELGA REICH      | GER | 2023 |
| 3:39.47      | E.KETELSEN        | DEN | 2023 | 100 M. I.M. |                   |     |      | 7:42.77     | LINDA MACPHERSON | CAN | 2023 |
| 3:42.88      | JANE ASHER        | GBR | 2011 | 1:36.03     | YOSHIKO OSAKI     | JPN | 2019 | 7:52.59     | KATHARINA FLORA  | HUN | 2020 |
| 3:44.82      | JOY WARD          | USA | 2022 | 1:41.14     | SHOKO YONEZAWA    | JPN | 2015 | 7:58.41     | MARGERY MEYER    | USA | 2008 |
| 3:48.35      | EVA JAROSOVA      | CZE | 2016 | 1:42.46     | JANE ASHER        | GBR | 2011 | 8:03.09     | JEAN TROY        | USA | 2012 |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|              |                   |     |      |             |                   |     |      |              |                   |     |      |
|--------------|-------------------|-----|------|-------------|-------------------|-----|------|--------------|-------------------|-----|------|
| 8:03.71      | DOROTHY DICKEY    | AUS | 2015 | 2:03.78     | ELIANE PELLIS     | BEL | 2018 | 10:13.73     | JEAN TROY         | USA | 2012 |
| 8:17.82      | RITA SIMONTON     | USA | 2003 | 2:08.05     | JANE ASHER        | GBR | 2017 | 10:28.05     | LOIS KIVI NOCHMAN | USA | 2009 |
| 8:19.75      | NAN BOHL          | USA | 2014 | 2:11.98     | SATOKO SUZUKI     | JPN | 2009 | 10:39.21     | Y.KAPLAN-BADER    | FRA | 2014 |
| 800 M. FREE  |                   |     |      | 2:15.32     | JUDIE OLIVER      | CAN | 2018 | 10:55.73     | JEAN DURSTON      | USA | 1999 |
| 14:24.83     | JANE ASHER        | GBR | 2016 | 2:17.21     | ETSUKO KIMURA     | JPN | 2014 | 11:02.02     | MAXINE MERLINO    | USA | 1998 |
| 15:33.71     | HELGA REICH       | GER | 2023 | 2:18.42     | OLGA KOKORINA     | RUS | 2012 | 11:16.04     | BETTY RUSS        | USA | 2015 |
| 15:46.65     | LINDA MACPHERSON  | CAN | 2023 | 200 M. BRST |                   |     |      | 11:51.00     | KALIS RASMUSSEN   | CAN | 2009 |
| 16:23.22     | DOROTHY DICKEY    | AUS | 2015 | 4:17.73     | MASAYO AZUMA      | JPN | 2020 | 12:04.38     | NADIR TAUBERT     | BRA | 2019 |
| 16:25.24     | BETTY LORENZI     | USA | 2012 | 4:30.54     | TAYO FUJIEDA      | JPN | 2022 | 12:24.66     | JAE HOWELL        | USA | 2007 |
| 16:37.49     | NAN BOHL          | USA | 2014 | 4:38.73     | JANE ASHER        | GBR | 2016 |              |                   |     |      |
| 16:49.43     | RITA SIMONTON     | USA | 2003 | 4:55.49     | ANNEMARIE LUDICKE | GER | 2023 | *****        |                   |     |      |
| 17:30.38     | MAE WALDIE        | CAN | 2022 | 4:55.91     | JUDIE OLIVER      | CAN | 2018 | WOMEN 90-94  |                   |     |      |
| 17:36.42     | AIKO HORII        | JPN | 2015 | 5:09.65     | DOROTHY WILLIAMS  | GBR | 2008 | *****        |                   |     |      |
| 17:47.07     | MARIE SMITS       | NED | 2023 | 5:10.70     | NORIKO KIMURA     | JPN | 2018 | 50 M. FREE   |                   |     |      |
| 1500 M. FREE |                   |     |      | 5:10.89     | ETSUKO KIMURA     | JPN | 2014 | 45.42        | JANE ASHER        | GBR | 2021 |
| 28:02.25     | JANE ASHER        | GBR | 2016 | 5:11.46     | NADIR TAUBERT     | BRA | 2018 | 49.09        | MIEKO KAMOSHITA   | JPN | 2017 |
| 30:50.51     | BETTY LORENZI     | USA | 2012 | 5:12.28     | DENISE ROBERTSON  | AUS | 2022 | 50.72        | OLGA KOKORINA     | RUS | 2013 |
| 31:44.50     | RITA SIMONTON     | USA | 2003 | 50 M. FLY   |                   |     |      | 53.46        | JEAN TROY         | USA | 2017 |
| 32:37.40     | DOROTHY DICKEY    | AUS | 2016 | 51.40       | JUDIE OLIVER      | CAN | 2017 | 53.97        | JUDITH OLIVER     | CAN | 2022 |
| 33:03.30     | MARGERY MEYER     | USA | 2007 | 51.60       | JANE ASHER        | GBR | 2017 | 55.19        | RIUKO KONO        | JPN | 2023 |
| 34:37.00     | AIKO HORII        | JPN | 2016 | 51.79       | KATHARINA FLORA   | HUN | 2020 | 55.24        | LIZ WALLIS        | AUS | 2018 |
| 34:52.73     | YOSHIKO KINOSHITA | JPN | 2016 | 52.13       | K.FLORA-OROSZ     | HUN | 2019 | 55.53        | HISAKO KOGA       | JPN | 2007 |
| 35:01.96     | MAE WALDIE        | CAN | 2022 | 59.34       | HELGA REICH       | GER | 2021 | 55.55        | TOKUYO KAMIGAKI   | JPN | 2016 |
| 35:03.42     | BETTY RUSS        | USA | 2012 | 1:00.29     | SHOKO YAMADA      | JPN | 2023 | 56.55        | RITA SIMONTON     | USA | 2008 |
| 35:19.16     | EULAH VARTY       | CAN | 2019 | 1:02.04     | LOIS KIVI NOCHMAN | USA | 2009 | 100 M. FREE  |                   |     |      |
| 50 M. BACK   |                   |     |      | 1:05.25     | MARCELA STASTNA   | CZE | 2023 | 1:44.21      | JANE ASHER        | GBR | 2021 |
| 45.54        | YOSHIKO OSAKI     | JPN | 2023 | 1:06.92     | JEAN TROY         | USA | 2012 | 1:58.28      | OLGA KOKORINA     | RUS | 2013 |
| 47.73        | HELEN BIRD        | AUS | 2023 | 1:07.35     | JEAN DURSTON      | USA | 1999 | 1:59.56      | JUDITH OLIVER     | CAN | 2023 |
| 47.99        | KATHARINA FLORA   | HUN | 2019 | 100 M. FLY  |                   |     |      | 1:59.88      | MIEKO KAMOSHITA   | JPN | 2017 |
| 49.07        | JANE ASHER        | GBR | 2016 | 2:02.59     | JUDIE OLIVER      | CAN | 2017 | 2:02.14      | JEAN TROY         | USA | 2017 |
| 51.29        | MAE WALDIE        | CAN | 2022 | 2:21.77     | LOIS KIVI NOCHMAN | USA | 2009 | 2:06.06      | BETTY LORENZI     | USA | 2017 |
| 51.75        | BETTY LORENZI     | USA | 2012 | 2:27.22     | BETTY RUSS        | USA | 2013 | 2:07.65      | RITA SIMONTON     | USA | 2008 |
| 53.00        | U.MEYER-TONNDORF  | GER | 2021 | 2:33.28     | FUMIKO NAKAMURA   | JPN | 2023 | 2:08.19      | LIZ WALLIS        | AUS | 2018 |
| 55.49        | JUDIE OLIVER      | CAN | 2017 | 2:36.50     | JEAN DURSTON      | USA | 1999 | 2:09.13      | HISAKO KOGA       | JPN | 2008 |
| 56.46        | KERSTIN GJORES    | SWE | 2012 | 2:37.57     | Y.KAPLAN-BADER    | FRA | 2013 | 2:09.25      | DOROTHY DICKEY    | AUS | 2023 |
| 56.51        | MARCELA STASTNA   | CZE | 2023 | 2:40.62     | MARIE SMITS       | NED | 2023 | 200 M. FREE  |                   |     |      |
| 100 M. BACK  |                   |     |      | 2:51.00     | MAXINE MERLINO    | USA | 1998 | 3:52.93      | JANE ASHER        | GBR | 2021 |
| 1:43.03      | YOSHIKO OSAKI     | JPN | 2023 | 2:59.36     | NADIR TAUBERT     | BRA | 2018 | 4:22.10      | JUDITH OLIVER     | CAN | 2022 |
| 1:44.18      | KATHARINA FLORA   | HUN | 2019 | 2:59.72     | JUNE REYNOLDS     | USA | 2007 | 4:24.90      | RITA SIMONTON     | USA | 2008 |
| 1:50.18      | JANE ASHER        | GBR | 2016 | 200 M. FLY  |                   |     |      | 4:26.20      | JEAN TROY         | USA | 2017 |
| 1:52.16      | HELEN BIRD        | AUS | 2022 | 4:40.42     | JUDIE OLIVER      | CAN | 2017 | 4:30.42      | MAURINE KORNFELD  | USA | 2012 |
| 1:52.21      | BETTY LORENZI     | USA | 2012 | 4:59.50     | LOIS KIVI NOCHMAN | USA | 2009 | 4:31.99      | LIZ WALLIS        | AUS | 2017 |
| 1:55.03      | JUDIE OLIVER      | CAN | 2017 | 5:33.79     | BETTY RUSS        | USA | 2012 | 4:35.87      | BETTY LORENZI     | USA | 2017 |
| 1:56.20      | MAE WALDIE        | CAN | 2022 | 5:42.80     | JEAN DURSTON      | USA | 1999 | 4:49.27      | AIKO HORII        | JPN | 2023 |
| 1:56.60      | HISAKO KITAYAMA   | JPN | 2022 | 5:53.10     | FUMIKO NAKAMURA   | JPN | 2023 | 4:49.36      | HISAKO KOGA       | JPN | 2008 |
| 2:04.31      | FUSAKO KATO       | JPN | 2022 | 6:01.46     | MAXINE MERLINO    | USA | 1998 | 4:52.63      | ELSA DE LEEUW     | CAN | 2014 |
| 2:05.64      | NANCY KINNEY      | USA | 2015 | 6:04.28     | Y.KAPLAN-BADER    | FRA | 2014 | 400 M. FREE  |                   |     |      |
| 200 M. BACK  |                   |     |      | 6:10.94     | NADIR TAUBERT     | BRA | 2018 | 9:01.89      | RITA SIMONTON     | USA | 2008 |
| 3:48.62      | KATHARINA FLORA   | HUN | 2019 | 6:26.75     | JAE HOWELL        | USA | 2007 | 9:19.42      | JUDITH OLIVER     | CAN | 2023 |
| 3:57.91      | JANE ASHER        | GBR | 2016 | 6:41.13     | HARUKO SASAKI     | JPN | 2017 | 9:21.61      | MAURINE KORNFELD  | USA | 2013 |
| 4:05.00      | BETTY LORENZI     | USA | 2014 | 100 M. I.M. |                   |     |      | 9:36.25      | LIZ WALLIS        | AUS | 2017 |
| 4:18.50      | EDITH THEIN       | ISR | 2003 | 1:47.02     | JANE ASHER        | GBR | 2016 | 10:01.56     | HISAKO KOGA       | JPN | 2007 |
| 4:20.14      | JUDIE OLIVER      | CAN | 2018 | 1:49.10     | KATHARINA FLORA   | HUN | 2019 | 10:06.85     | BETTY BRUSSEL     | CAN | 2015 |
| 4:29.09      | NANCY KINNEY      | USA | 2015 | 1:55.76     | JUDIE OLIVER      | CAN | 2017 | 10:11.17     | AIKO HORII        | JPN | 2022 |
| 4:31.04      | MAE WALDIE        | CAN | 2022 | 1:58.23     | TAYO FUJIEDA      | JPN | 2022 | 10:22.21     | NAN BOHL          | USA | 2019 |
| 4:31.92      | KERSTIN GJORES    | SWE | 2012 | 2:01.59     | HELGA REICH       | GER | 2022 | 10:29.76     | WILLY VAN RYSEL   | GBR | 2006 |
| 4:32.04      | KASUMI ISHIKAWA   | JPN | 2020 | 2:08.06     | JEAN TROY         | USA | 2012 | 10:33.62     | ELSA DE LEEUW     | CAN | 2014 |
| 4:34.10      | AIKO GOTO         | JPN | 2016 | 2:08.96     | DENISE ROBERTSON  | AUS | 2022 | 800 M. FREE  |                   |     |      |
| 50 M. BRST   |                   |     |      | 2:09.97     | MARCELA STASTNA   | CZE | 2022 | 18:38.69     | MAURINE KORNFELD  | USA | 2011 |
| 52.17        | AGNES OBERGHEIN   | BEL | 2016 | 2:12.85     | JEWEL COOKE       | USA | 1995 | 18:38.98     | RITA SIMONTON     | USA | 2008 |
| 52.33        | SHOKO YONEZAWA    | JPN | 2022 | 2:12.90     | AGNES KISS        | HUN | 2013 | 20:07.33     | BETTY BRUSSEL     | CAN | 2014 |
| 53.08        | GISELA GRUNER     | GER | 2022 | 200 M. I.M. |                   |     |      | 20:46.41     | AIKO HORII        | JPN | 2022 |
| 55.33        | ELIANE PELLIS     | BEL | 2018 | 3:57.27     | KATHARINA FLORA   | HUN | 2019 | 21:16.76     | WILLY VAN RYSEL   | GBR | 2006 |
| 56.39        | TAYO FUJIEDA      | JPN | 2022 | 4:02.82     | JANE ASHER        | GBR | 2016 | 22:18.84     | MAXINE MERLINO    | USA | 2002 |
| 58.27        | JANE ASHER        | GBR | 2016 | 4:06.22     | JUDIE OLIVER      | CAN | 2017 | 22:40.67     | FUMI MURATA       | JPN | 2014 |
| 59.00        | M.KAPCAROVA       | SVK | 2013 | 4:13.70     | TAYO FUJIEDA      | JPN | 2022 | 22:57.60     | VALERIE LINCOLN   | AUS | 2015 |
| 1:00.27      | SYLVIA EISELE     | CAN | 2014 | 4:48.96     | JEAN TROY         | USA | 2012 | 23:14.76     | JOAN K CAMPBELL   | USA | 2021 |
| 1:00.29      | KRISTIN NORSTAD   | USA | 2023 | 4:59.06     | LOIS KIVI NOCHMAN | USA | 2009 | 23:17.55     | KALIS RASMUSSEN   | CAN | 2015 |
| 1:00.45      | ETSUKO KIMURA     | JPN | 2014 | 5:04.14     | Y.KAPLAN-BADER    | FRA | 2013 | 1500 M. FREE |                   |     |      |
| 100 M. BRST  |                   |     |      | 5:09.92     | MARIA LENK        | BRA | 2000 | 33:41.77     | JANE ASHER        | GBR | 2021 |
| 1:56.68      | AGNES OBERGHEIN   | BEL | 2016 | 5:12.01     | JEAN DURSTON      | USA | 1999 | 35:40.38     | RITA SIMONTON     | USA | 2008 |
| 1:59.34      | MASAYO AZUMA      | JPN | 2022 | 5:12.13     | MAXINE MERLINO    | USA | 1998 | 41:20.62     | WILLY VAN RYSEL   | GBR | 2006 |
| 2:02.08      | TAYO FUJIEDA      | JPN | 2022 | 400 M. I.M. |                   |     |      | 41:59.32     | FUMI MURATA       | JPN | 2013 |
| 2:03.00      | SHOKO YONEZAWA    | JPN | 2022 | 8:42.45     | JUDIE OLIVER      | CAN | 2017 | 44:27.18     | MAXINE MERLINO    | USA | 2002 |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|             |                   |     |      |             |                   |     |      |              |                   |     |      |
|-------------|-------------------|-----|------|-------------|-------------------|-----|------|--------------|-------------------|-----|------|
| 45:12.58    | KALIS RASMUSSEN   | CAN | 2015 | 1:25.65     | NORA RONAI        | BRA | 2014 | 5:25.74      | RITA SIMONTON     | USA | 2013 |
| 47:40.80    | JOAN K CAMPBELL   | USA | 2021 | 1:25.90     | EMIKO SEKINO      | JPN | 2019 | 6:17.47      | MIEKO NAGAOKA     | JPN | 2009 |
| 48:36.59    | KATH JOHNSTONE    | NZL | 2007 | 1:30.41     | RITA SIMONTON     | USA | 2008 | 6:18.94      | VALERIE LINCOLN   | AUS | 2019 |
| 50:36.15    | LILLIAN WARREN    | CAN | 2010 | 1:33.23     | HIROKO TAKAO      | JPN | 2023 | 6:50.52      | MARIE KELLEHER    | USA | 2008 |
| 51:04.00    | BARBARA EISELE    | USA | 2023 | 1:34.61     | DOROTHY WESTON    | GBR | 2003 | 8:13.16      | LAURA OLIVEIRA    | BRA | 2014 |
| 50 M. BACK  |                   |     |      | 1:35.50     | NADIR TAUBERT     | BRA | 2023 | 8:26.16      | M.MAANDONKS       | NED | 2022 |
| 55.59       | JANE ASHER        | GBR | 2021 | 1:35.56     | MAXINE MERLINO    | USA | 2002 | 8:43.79      | CHARLOTTE SANDDAL | USA | 2019 |
| 56.84       | BETTY LORENZI     | USA | 2017 | 1:48.46     | MARIE KELLEHER    | USA | 2006 | 400 M. FREE  |                   |     |      |
| 1:01.42     | JUDITH OLIVER     | CAN | 2022 | 100 M. FLY  |                   |     |      | 10:08.44     | MAURINE KORNFELD  | USA | 2016 |
| 1:04.17     | KERSTIN GJORES    | SWE | 2017 | 2:28.60     | JUDITH OLIVER     | CAN | 2022 | 10:51.23     | BETTY BRUSSEL     | CAN | 2019 |
| 1:05.45     | LIZ WALLIS        | AUS | 2017 | 3:21.00     | DOROTHY WESTON    | GBR | 2003 | 13:05.10     | MIEKO NAGAOKA     | JPN | 2010 |
| 1:05.70     | WILLY VAN RYSEL   | GBR | 2006 | 3:29.11     | NADIR TAUBERT     | BRA | 2023 | 15:28.76     | MASAKO MATSUNO    | JPN | 2012 |
| 1:06.29     | KALIS RASMUSSEN   | CAN | 2014 | 3:45.69     | NORA RONAI        | BRA | 2014 | 18:16.17     | CHARLOTTE SANDDAL | USA | 2019 |
| 1:06.44     | NANCY KINNEY      | USA | 2019 | 4:06.32     | JEWELL COOK       | USA | 1999 | 19:20.68     | BERNARDA ANGULO   | ESP | 2007 |
| 1:08.11     | AIKO GOTO         | JPN | 2021 | 5:02.23     | CHARLOTTE SANDDAL | USA | 2016 | 19:24.06     | ROSA SELLARES     | ESP | 2006 |
| 1:08.16     | NOEL MORROW       | CAN | 2009 | 200 M. FLY  |                   |     |      | 21:39.84     | ANNE DUNIVIN      | USA | 2011 |
| 100 M. BACK |                   |     |      | 5:33.79     | JUDITH OLIVER     | CAN | 2022 | 800 M. FREE  |                   |     |      |
| 2:01.17     | JANE ASHER        | GBR | 2021 | 9:17.02     | NORA RONAI        | BRA | 2014 | 20:57.02     | MAURINE KORNFELD  | USA | 2016 |
| 2:04.90     | BETTY LORENZI     | USA | 2017 | 100 M. I.M. |                   |     |      | 21:29.69     | BETTY BRUSSEL     | CAN | 2019 |
| 2:24.46     | PERSIS RAE        | AUS | 2010 | 2:09.47     | JANE ASHER        | GBR | 2022 | 27:58.70     | MIEKO NAGAOKA     | JPN | 2010 |
| 2:26.64     | WILLY VAN RYSEL   | GBR | 2006 | 2:10.73     | JUDITH OLIVER     | CAN | 2022 | 31:30.34     | CHARLOTTE SANDDAL | USA | 2018 |
| 2:29.35     | AIKO GOTO         | JPN | 2021 | 2:22.96     | OLGA KOKORINA     | RUS | 2013 | 1500 M. FREE |                   |     |      |
| 2:29.86     | HANA ENATSU       | JPN | 2013 | 2:34.39     | JEAN TROY         | USA | 2017 | 42:34.14     | RITA SIMONTON     | USA | 2013 |
| 2:30.23     | JUDITH OLIVER     | CAN | 2023 | 2:51.20     | RITA SIMONTON     | USA | 2008 | 55:14.66     | MIEKO NAGAOKA     | JPN | 2011 |
| 2:30.57     | KALIS RASMUSSEN   | CAN | 2015 | 2:52.60     | NADIR TAUBERT     | BRA | 2023 | 62:37.00     | CHARLOTTE SANDDAL | USA | 2018 |
| 2:32.24     | RITA SIMONTON     | USA | 2010 | 2:53.56     | NORA RONAI        | BRA | 2014 | 50 M. BACK   |                   |     |      |
| 2:33.39     | ELBA TERRAGNO     | ARG | 2023 | 2:55.03     | AGNES KISS        | HUN | 2018 | 1:12.24      | NORA KUTTI        | EST | 2017 |
| 200 M. BACK |                   |     |      | 2:58.00     | NAN BOHL          | USA | 2019 | 1:12.64      | LIZ WALLIS        | AUS | 2022 |
| 4:24.90     | BETTY LORENZI     | USA | 2017 | 3:00.22     | HIROKO TAKAO      | JPN | 2023 | 1:17.82      | KALLIS RASMUSSEN  | CAN | 2019 |
| 4:57.77     | PERSIS RAE        | AUS | 2010 | 200 M. I.M. |                   |     |      | 1:20.28      | MIEKO NAGAOKA     | JPN | 2010 |
| 4:58.65     | JUDITH OLIVER     | CAN | 2023 | 4:50.01     | JUDITH OLIVER     | CAN | 2022 | 1:20.79      | MAURINE KORNFELD  | USA | 2018 |
| 5:02.82     | WILLY VAN RYSEL   | GBR | 2006 | 5:40.20     | JEAN TROY         | USA | 2017 | 1:22.21      | SUGAKO KUWYAMA    | JPN | 2018 |
| 5:22.86     | AIKO GOTO         | JPN | 2022 | 5:58.46     | RITA SIMONTON     | USA | 2008 | 1:25.98      | MICHELE GUILLAIS  | FRA | 2016 |
| 5:23.16     | NANCY KINNEY      | USA | 2019 | 5:58.99     | NADIR TAUBERT     | BRA | 2023 | 1:26.21      | FUMI MURATA       | JPN | 2018 |
| 5:24.31     | MAURINE KORNFELD  | USA | 2014 | 6:25.12     | MAXINE MERLINO    | USA | 2003 | 1:27.92      | EDITH HENDRY      | USA | 2006 |
| 5:29.42     | HIDEKO HANADA     | JPN | 2009 | 6:56.70     | JEWELL COOKE      | USA | 1999 | 1:31.72      | MARION BEULKE     | AUS | 2022 |
| 5:29.45     | LIZ WALLIS        | AUS | 2018 | 7:00.01     | KALIS RASMUSSEN   | CAN | 2015 | 100 M. BACK  |                   |     |      |
| 5:30.54     | KIMIKO OOKA       | JPN | 2019 | 7:16.26     | CHARLOTTE SANDDAL | USA | 2012 | 2:42.13      | KALLIS RASMUSSEN  | CAN | 2019 |
| 50 M. BRST  |                   |     |      | 7:40.70     | YOSHIE HASEGAWA   | JPN | 2015 | 2:42.88      | MAURINE KORNFELD  | USA | 2016 |
| 59.04       | A.OBBERGHEN-PIETE | BEL | 2023 | 8:03.59     | BARBARA M EISELE  | USA | 2022 | 2:47.83      | LIZ WALLIS        | AUS | 2022 |
| 1:02.33     | OLGA KOKORINA     | RUS | 2013 | 400 M. I.M. |                   |     |      | 2:50.50      | BETTY BRUSSEL     | CAN | 2019 |
| 1:08.36     | JUDITH OLIVER     | CAN | 2022 | 10:29.18    | JUDITH OLIVER     | CAN | 2022 | 2:53.81      | NORA KUTTI        | EST | 2017 |
| 1:09.76     | ETSUKO KIMURA     | JPN | 2019 | 13:55.37    | NORA RONAI        | BRA | 2014 | 2:55.44      | MIEKO NAGAOKA     | JPN | 2009 |
| 1:10.01     | NADIR TAUBERT     | BRA | 2023 | 14:55.37    | JEWELL COOKE      | USA | 1999 | 2:59.71      | RITA SIMONTON     | USA | 2014 |
| 1:11.00     | INGEBORG FRITZE   | GER | 2011 | *****       |                   |     |      | 3:06.14      | KALIS RASMUSSEN   | CAN | 2022 |
| 1:15.48     | FUSAKO TOMINARI   | JPN | 2007 | *****       |                   |     |      | 3:25.37      | EDITH HENDRY      | USA | 2006 |
| 1:16.42     | NORA RONAI        | BRA | 2014 | *****       |                   |     |      | 3:25.96      | MANUEL PINA       | ESP | 2020 |
| 1:17.85     | JEAN TROY         | USA | 2017 | *****       |                   |     |      | 200 M. BACK  |                   |     |      |
| 1:18.38     | KALIS RASMUSSEN   | CAN | 2015 | 50 M. FREE  |                   |     |      | 5:42.83      | KALLIS RASMUSSEN  | CAN | 2019 |
| 100 M. BRST |                   |     |      | 1:00.28     | LIZ WALLIS        | AUS | 2022 | 5:50.15      | MAURINE KORNFELD  | USA | 2017 |
| 2:13.42     | A.OBBERGHEN-PIETE | BEL | 2023 | 1:04.68     | MAURINE KORNFELD  | USA | 2016 | 6:24.50      | MIEKO NAGAOKA     | JPN | 2009 |
| 2:25.58     | OLGA KOKORINA     | RUS | 2013 | 1:06.82     | BETTY BRUSSEL     | CAN | 2019 | 6:40.72      | LIZ WALLIS        | AUS | 2022 |
| 2:26.86     | JUDITH OLIVER     | CAN | 2022 | 1:07.27     | NORA KUTTI        | EST | 2017 | 7:36.62      | EDITH HENDRY      | USA | 2006 |
| 2:35.96     | ETSUKO KIMURA     | JPN | 2019 | 1:13.87     | SHIZUE SHIMIZU    | JPN | 2006 | 7:45.68      | GUDRUN KLOOS      | RSA | 2021 |
| 2:39.62     | NADIR TAUBERT     | BRA | 2023 | 1:17.23     | MARION BEULKE     | AUS | 2022 | 7:53.59      | VALERIE LINCOLN   | AUS | 2019 |
| 2:42.59     | JANE ASHER        | GBR | 2022 | 1:18.91     | MIEKO KAMOSHITA   | JPN | 2023 | 8:07.70      | M.MAANDONKS       | NED | 2022 |
| 2:46.46     | INGEBORG FRITZE   | GER | 2011 | 1:20.91     | KIKUE ISHII       | JPN | 2017 | 9:20.51      | BERNARDA ANGULO   | ESP | 2008 |
| 2:51.02     | JEAN TROY         | USA | 2017 | 1:21.48     | LAURA OLIVEIRA    | BRA | 2014 | 9:37.39      | ROSA SELLARES     | ESP | 2005 |
| 3:00.44     | KALIS RASMUSSEN   | CAN | 2015 | 1:21.93     | MIEKO NAGAOKA     | JPN | 2009 | 50 M. BRST   |                   |     |      |
| 3:01.08     | NAKA FUKUOKA      | JPN | 2014 | 100 M. FREE |                   |     |      | 1:32.51      | KALLIS RASMUSSEN  | CAN | 2019 |
| 200 M. BRST |                   |     |      | 2:16.63     | MAURINE KORNFELD  | USA | 2017 | 1:35.66      | BETTY BRUSSEL     | CAN | 2022 |
| 5:15.24     | OLGA KOKORINA     | RUS | 2013 | 2:18.07     | LIZ WALLIS        | AUS | 2022 | 1:42.55      | NAKA FUKUOKA      | JPN | 2018 |
| 5:31.06     | NADIR TAUBERT     | BRA | 2023 | 2:25.65     | BETTY BRUSSEL     | CAN | 2019 | 1:50.07      | LAURA OLIVEIRA    | BRA | 2014 |
| 5:37.56     | JUDITH OLIVER     | CAN | 2023 | 2:59.01     | MIEKO NAGAOKA     | JPN | 2010 | 1:57.56      | AKIKO ONOHARA     | JPN | 2023 |
| 5:42.43     | ETSUKO KIMURA     | JPN | 2019 | 3:00.03     | VALERIE LINCOLN   | AUS | 2019 | 2:02.87      | M.MAANDONKS       | NED | 2022 |
| 5:48.13     | JANE ASHER        | GBR | 2022 | 3:06.38     | MARION BEULKE     | AUS | 2022 | 2:03.90      | GUDRUN KLOOS      | RSA | 2021 |
| 6:31.21     | INGEBORG FRITZE   | GER | 2011 | 3:10.36     | MARIE KELLEHER    | USA | 2008 | 2:05.63      | CHARLOTTE SANDDAL | USA | 2018 |
| 6:37.73     | MARIA LENK        | BRA | 2005 | 3:26.81     | LAURA OLIVEIRA    | BRA | 2014 | 2:05.76      | NORA RONAI        | BRA | 2023 |
| 6:39.70     | ANN M HIRSCH      | USA | 2021 | 3:28.31     | CHARLOTTE SANDDAL | USA | 2018 | 2:25.20      | MIEKO NAGAOKA     | JPN | 2010 |
| 6:45.18     | KALIS RASMUSSEN   | CAN | 2014 | 3:37.37     | GUDRUN KLOOS      | RSA | 2021 | 100 M. BRST  |                   |     |      |
| 6:59.08     | BETTY BRUSSEL     | CAN | 2016 | 200 M. FREE |                   |     |      | 3:42.93      | NAKA FUKUOKA      | JPN | 2018 |
| 50 M. FLY   |                   |     |      | 4:56.12     | MAURINE KORNFELD  | USA | 2017 | 3:52.50      | BETTY BRUSSEL     | CAN | 2019 |
| 1:02.60     | JUDITH OLIVER     | CAN | 2022 | 5:03.79     | LIZ WALLIS        | AUS | 2022 | 4:03.49      | KALIS RASMUSSEN   | CAN | 2022 |
| 1:21.95     | CHARLOTTE SANDDAL | USA | 2012 | 5:09.24     | BETTY BRUSSEL     | CAN | 2019 | 4:28.42      | CHARLOTTE SANDDAL | USA | 2018 |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|                            |          |                            |          |                          |          |
|----------------------------|----------|----------------------------|----------|--------------------------|----------|
| 4:43.59 M.MAANDONKS        | NED 2021 | 47.43 CESAR CIELO          | USA 2014 | 54.33 SERGEY ZHURAVLEV   | RUS 2022 |
| 200 M. BRST                |          | 48.14 VLADISLAV GRINEV     | RUS 2023 | 54.47 TAKASHI TAKEMOTO   | JPN 2012 |
| 7:22.30 KALLIS RASMUSSEN   | CAN 2019 | 48.19 NIKITA LOBINTSEV     | USA 2017 | 200 M. BACK              |          |
| 8:27.91 BETTY BRUSSEL      | CAN 2019 | 48.29 DARIAN TOWNSEND      | USA 2013 | 1:56.01 RYOUTA MAEJIMA   | JPN 2023 |
| 8:54.85 KALIS RASMUSSEN    | CAN 2022 | 48.32 ADAM RITTER          | USA 2014 | 1:56.22 STEFAN HERBST    | GER 2006 |
| 9:20.70 CHARLOTTE SANDDAL  | USA 2018 | 48.58 S.KUNZELMANN         | GER 2005 | 1:57.64 WILLIAM RYLEY    | GBR 2023 |
| 9:48.17 M.MAANDONKS        | NED 2021 | 48.64 RYAN J HELD          | USA 2021 | 1:57.66 DMITRIY GORBUNOV | RUS 2019 |
| 50 M. FLY                  |          | 48.91 A.MERZLYAKOV         | RUS 2023 | 1:58.21 SERGEY ZHURAVLEV | RUS 2022 |
| 2:12.78 MAURINE KORNFELD   | USA 2017 | 48.93 DREW MODROV          | USA 2017 | 1:59.37 JUNICHI MORITA   | JPN 2018 |
| 2:21.86 CHARLOTTE SANDDAL  | USA 2018 | 48.99 NIKITA MAXIMOV       | RUS 2021 | 1:59.68 IAN POWELL       | GBR 2011 |
| 3:09.88 NORA RONAI         | BRA 2023 | 200 M. FREE                |          | 2:00.23 SHOGO MATSUI     | JPN 2018 |
| 100 M. I.M.                |          | 1:44.90 DARIAN TOWNSEND    | USA 2013 | 2:00.53 EGOR IOGIN       | RUS 2023 |
| 3:32.13 MAURINE KORNFELD   | USA 2016 | 1:46.52 RYAN J HELD        | USA 2021 | 2:00.59 TAKASHI TAKEMOTO | JPN 2016 |
| 3:40.57 KALLIS RASMUSSEN   | CAN 2019 | 1:46.52 ADAM RITTER        | USA 2013 | 50 M. BRST               |          |
| 3:54.89 MARIE KELLEHER     | USA 2008 | 1:48.74 MARWAN ELAMRAWY    | EGY 2021 | 26.72 L.CLIFFORD-STEPHE  | GBR 2018 |
| 4:11.22 CHARLOTTE SANDDAL  | USA 2018 | 1:48.81 JOHN KEPPELER      | USA 1995 | 26.99 LAWRENCE PALMER    | GBR 2017 |
| 4:53.90 KALIS RASMUSSEN    | CAN 2022 | 1:49.02 RYOUTA MAEJIMA     | JPN 2023 | 27.02 T.YANAGISAWA       | JPN 2023 |
| 200 M. I.M.                |          | 1:49.30 DREW MODROV        | USA 2018 | 27.02 SHOTARO SHIMAZAKI  | JPN 2022 |
| 9:32.59 CHARLOTTE SANDDAL  | USA 2018 | 1:49.51 DAVID ALCOLADO     | ESP 2018 | 27.14 KANAYA YUKI        | JPN 2021 |
| *****                      |          | 1:49.53 REGAN LLOYD        | GBR 2023 | 27.18 MARK CAMPBELL      | GBR 2017 |
| *****                      |          | 1:49.59 MASATAKA MISHIMA   | JPN 2018 | 27.19 ANTON TISCHENKO    | RUS 2019 |
| *****                      |          | 400 M. FREE                |          | 27.24 Y.FURUKAWA         | JPN 2023 |
| *****                      |          | 3:51.56 WILLIAM RYLEY      | GBR 2023 | 27.31 EETU KARVONEN      | USA 2013 |
| *****                      |          | 3:52.83 DREW MODROV        | USA 2018 | 27.34 YUTA SATO          | JPN 2023 |
| *****                      |          | 3:53.60 SYLVAIN CROS       | FRA 2007 | 100 M. BRST              |          |
| 50 M. FREE                 |          | 3:55.84 LUCA PUCE          | ITA 2014 | 58.14 SHOTARO SHIMAZAKI  | JPN 2021 |
| 1:15.61 MAURINE KORNFELD   | USA 2021 | 3:56.47 RYOUTA MAEJIMA     | JPN 2022 | 58.96 KANAYA YUKI        | JPN 2018 |
| 1:34.12 MIEKO NAGAOKA      | JPN 2014 | 3:56.53 A.ANGELOTI         | BRA 2001 | 59.14 T.YANAGISAWA       | JPN 2023 |
| 100 M. FREE                |          | 3:56.60 MARTIN HOHL        | SUI 2009 | 59.21 KAKERU OHTANI      | JPN 2023 |
| 3:30.49 MIEKO NAGAOKA      | JPN 2014 | 3:56.66 AURELIEN COQ       | FRA 2004 | 59.21 EETU KARVONEN      | USA 2013 |
| 4:00.48 CHARLOTTE SANDDAL  | USA 2022 | 3:57.03 ERIC NILSSON       | USA 2013 | 59.23 LAWRENCE PALMER    | GBR 2017 |
| 200 M. FREE                |          | 3:57.24 STEVEN MELLOR      | GBR 2000 | 59.24 RYO KOBAYASHI      | JPN 2014 |
| 7:27.89 MIEKO NAGAOKA      | JPN 2014 | 800 M. FREE                |          | 59.51 ANTON CHUPKOV      | RUS 2023 |
| 8:40.55 CHARLOTTE SANDDAL  | USA 2022 | 8:07.91 A.ANGELOTI         | BRA 2001 | 59.72 KOUHEI GOTOU       | JPN 2023 |
| 400 M. FREE                |          | 8:13.81 G.ORPHANIDES       | GBR 2003 | 59.92 SHO YANAGISAWA     | JPN 2023 |
| 16:40.10 MIEKO NAGAOKA     | JPN 2014 | 8:14.75 ALEX KOSTICH       | USA 1997 | 200 M. BRST              |          |
| 18:09.17 CHARLOTTE SANDDAL | USA 2022 | 8:15.70 MATTEO MONTANARI   | ITA 2018 | 2:07.55 JOSH PRENOT      | USA 2018 |
| 800 M. FREE                |          | 8:17.22 DREW MODROV        | USA 2018 | 2:08.28 KANAYA YUKI      | JPN 2018 |
| 36:51.23 MIEKO NAGAOKA     | JPN 2014 | 8:17.80 ERIC NILSSON       | USA 2013 | 2:08.83 KAKERU OHTANI    | JPN 2023 |
| 38:20.13 CHARLOTTE SANDDAL | USA 2022 | 8:18.16 RYOUTA MAEJIMA     | JPN 2023 | 2:10.58 DMITRIY GORBUNOV | RUS 2019 |
| 1500 M. FREE               |          | 8:18.51 ALEXANDR SHIMIN    | RUS 2017 | 2:10.68 RYO KOBAYASHI    | JPN 2013 |
| 75:54.39 MIEKO NAGAOKA     | JPN 2015 | 8:18.68 RAFAEL CABANILLAS  | ESP 2015 | 2:10.78 ANTON CHUPKOV    | RUS 2023 |
| 50 M. BACK                 |          | 8:20.78 TAKUTO KITAYAMA    | JPN 2019 | 2:11.81 SEAN MAHONEY     | USA 2014 |
| 1:29.22 MAURINE KORNFELD   | USA 2021 | 1500 M. FREE               |          | 2:11.90 LAWRENCE PALMER  | GBR 2017 |
| 1:38.71 MIEKO NAGAOKA      | JPN 2014 | 15:29.68 G.ORPHANIDES      | GBR 2003 | 2:12.88 AKAI SHIN        | JPN 2022 |
| 3:53.60 ROSA SELLARES      | ESP 2010 | 15:41.81 ALEX KOSTICH      | USA 1997 | 2:13.68 KAZUKI KOHINATA  | JPN 2022 |
| 100 M. BACK                |          | 15:50.89 H.ALBERTO RIBEIRO | POR 2015 | 50 M. FLY                |          |
| 2:55.51 MAURINE KORNFELD   | USA 2021 | 15:51.03 AKIRA OTANI       | JPN 2014 | 23.15 RYAN J HELD        | USA 2021 |
| 3:42.81 MIEKO NAGAOKA      | JPN 2014 | 15:52.34 MATTEO MONTANARI  | ITA 2018 | 23.33 RYO ISHII          | JPN 2017 |
| 3:54.19 CHARLOTTE SANDDAL  | USA 2022 | 15:56.29 MARTIN HOHL       | SUI 2008 | 23.34 ADAM BARRETT       | GBR 2021 |
| 200 M. BACK                |          | 15:56.57 RAFAEL CABANILLAS | ESP 2014 | 23.42 T.YANAGISAWA       | JPN 2023 |
| 6:22.14 MAURINE KORNFELD   | USA 2021 | 16:07.48 FEDERICO FILOSI   | ITA 2016 | 23.53 RUNAR BORGEN       | USA 2018 |
| 7:40.01 MIEKO NAGAOKA      | JPN 2014 | 16:08.62 TAMMO SCHROEDER   | GER 2009 | 23.53 DARIAN TOWNSEND    | USA 2013 |
| 8:19.28 CHARLOTTE SANDDAL  | USA 2022 | 16:10.74 TIMOFEY LEGOSHIN  | RUS 2023 | 23.60 YOSHIHIRO ASO      | JPN 2014 |
| 100 M. BRST                |          | 50 M. BACK                 |          | 23.66 DAISUKE ABE        | JPN 2009 |
| 6:02.24 CHARLOTTE SANDDAL  | USA 2022 | 23.70 RYAN J HELD          | USA 2021 | 23.70 OLIVER WENZEL      | GER 2009 |
| 200 M. BRST                |          | 23.80 RALF TRIBUNTSOV      | EST 2021 | 23.74 YASUHIRO WADA      | JPN 2018 |
| 12:48.34 CHARLOTTE SANDDAL | USA 2022 | 23.95 SHOTA TAKESHITA      | JPN 2021 | 100 M. FLY               |          |
| 100 M. I.M.                |          | 24.13 OSCAR PEREIRO        | ESP 2019 | 51.38 ADAM BARRETT       | GBR 2021 |
| 5:01.09 CHARLOTTE SANDDAL  | USA 2022 | 24.17 MARCO LOUGHRAN       | GBR 2014 | 52.42 YASUHIRO WADA      | JPN 2018 |
| *****                      |          | 24.29 RYOUTA MAEJIMA       | JPN 2023 | 52.45 KO FUKAYA          | JPN 2016 |
| *****                      |          | 24.55 DARIAN TOWNSEND      | USA 2013 | 52.45 DARIAN TOWNSEND    | USA 2013 |
| *****                      |          | 24.63 TONY COX             | USA 2018 | 52.46 DANIIL PAHOMOV     | RUS 2023 |
| 50 M. FREE                 |          | 24.64 ALEKSANDR ZOTOV      | RUS 2023 | 52.56 TONY COX           | USA 2016 |
| 21.28 RYAN J HELD          | USA 2021 | 24.81 JUNICHI MORITA       | JPN 2018 | 52.59 MARCIN CIESLAK     | USA 2019 |
| 21.37 CESAR CIELO          | USA 2014 | 100 M. BACK                |          | 52.92 DANIEL BELINI      | BRA 2009 |
| 21.59 A.LIUKKONEN          | FIN 2014 | 51.63 RYOUTA MAEJIMA       | JPN 2023 | 53.00 DAVID RUSSELL      | USA 2014 |
| 21.84 SHUN KAWASAKI        | JPN 2023 | 52.94 SHOTA TAKESHITA      | JPN 2021 | 53.04 KIYOTAKA INOUE     | JPN 2013 |
| 21.89 ADAM BARRETT         | GBR 2021 | 52.99 TONY COX             | USA 2016 | 200 M. FLY               |          |
| 21.95 KAWASAKI SHUN        | JPN 2021 | 53.34 JUNICHI MORITA       | JPN 2018 | 1:53.72 WATARAI SHUN     | JPN 2021 |
| 22.08 DARIAN TOWNSEND      | USA 2013 | 53.38 DAVID RUSSELL        | USA 2014 | 1:55.36 KO FUKAYA        | JPN 2019 |
| 22.10 VLADISLAV GRINEV     | RUS 2023 | 53.85 RYO ISHII            | JPN 2015 | 1:58.72 KOHEI FUKAZAWA   | JPN 2022 |
| 22.14 RUNAR BORGEN         | USA 2018 | 54.10 KOSUKE SHIOTANI      | JPN 2023 | 1:58.87 TAKATSUGU OGA    | JPN 2016 |
| 22.18 RYO ISHII            | JPN 2018 | 54.23 LEONARDO SUMIDA      | BRA 2011 | 1:59.48 FEDERICO CASTRO  | BRA 2017 |
| 100 M. FREE                |          |                            |          |                          |          |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|                          |          |                            |          |                           |          |
|--------------------------|----------|----------------------------|----------|---------------------------|----------|
| 1:59.74 MARK LEWIS       | GBR 2008 | 1:50.24 JUNICHI MORITA     | JPN 2023 | 27.23 SERGEY GEYBEL       | RUS 2015 |
| 1:59.80 MAKSIM GANIKHIN  | RUS 2012 | 400 M. FREE                |          | 27.40 RYO KOBAYASHI       | JPN 2019 |
| 1:59.92 SATOSHI TORATANI | JPN 2008 | 3:48.54 FRANS JOHANNESSEN  | DEN 2023 | 27.64 SHIOTUKI TOMOHIRO   | JPN 2019 |
| 1:59.95 EDUARD REDNIC    | GBR 2021 | 3:51.97 YURIY UFIMTSEV     | RUS 2014 | 27.65 A. GONZALEZ         | ESP 2023 |
| 2:00.88 KIYOTAKA IDO     | JPN 2015 | 3:53.95 DREW MODROV        | USA 2019 | 100 M. BRST               |          |
| 100 M. I.M.              |          | 3:54.19 EVGENIY KULIKOV    | RUS 2023 | 58.64 BRANDON FISCHER     | USA 2023 |
| 52.78 RYAN J HELD        | USA 2021 | 3:57.47 TAMAS KEREKJARTO   | USA 2009 | 58.67 SHOTARO SHIMAZAKI   | JPN 2023 |
| 53.47 DARIAN TOWNSEND    | USA 2013 | 3:57.64 KO FUKAYA          | JPN 2021 | 59.10 KOHHEI TOMINAGA     | JPN 2021 |
| 53.53 ADAM RITTER        | USA 2014 | 3:57.79 DENNY FERRONI      | ITA 2019 | 59.11 RYO KOBAYASHI       | JPN 2019 |
| 54.50 T.YANAGISAWA       | JPN 2023 | 3:58.40 ALEX KOSTICH       | USA 2000 | 59.85 SERGEY GEYBEL       | RUS 2015 |
| 54.58 RYOUTA MAEJIMA     | JPN 2023 | 3:59.56 MARCOS LAVADO      | USA 2021 | 1:00.68 ARTEM BABIKHIN    | RUS 2023 |
| 54.80 RYO ISHII          | JPN 2015 | 3:59.83 BRUCE HAYES        | USA 1994 | 1:00.79 SHIOTUKI TOMOHIRO | JPN 2019 |
| 54.84 ISAMU MIZOKUCHI    | JPN 2022 | 800 M. FREE                |          | 1:00.81 ED MOSES          | USA 2011 |
| 55.13 MARTIN LIIVAMAGI   | EST 2017 | 8:06.56 FRANS JOHANNESSEN  | DEN 2023 | 1:00.95 RYOSUKE IMAI      | JPN 2011 |
| 55.13 YUTA SHOJI         | JPN 2010 | 8:09.16 EVGENIY KULIKOV    | RUS 2023 | 1:01.04 DMITRIY GORBUNOV  | RUS 2023 |
| 55.20 STEFAN HERBST      | GER 2004 | 8:12.74 DREW A MODROV      | USA 2021 | 200 M. BRST               |          |
| 200 M. I.M.              |          | 8:13.62 MATTEO MONTANARI   | ITA 2019 | 2:08.12 BRANDON FISCHER   | USA 2023 |
| 1:58.91 KUWAYAMA KEN     | JPN 2020 | 8:17.06 ALEX KOSTICH       | USA 2000 | 2:11.17 DMITRIY GORBUNOV  | RUS 2021 |
| 1:58.96 DMITRIY GORBUNOV | RUS 2019 | 8:18.56 RAFAEL CABANILLAS  | ESP 2017 | 2:11.58 RYO KOBAYASHI     | JPN 2019 |
| 1:59.15 CONRADO LINO     | BRA 2023 | 8:19.13 SEBASTIAN WIESE    | GER 2004 | 2:12.23 ARTEM BABIKHIN    | RUS 2021 |
| 1:59.70 K.GILCHRIST      | FRA 2010 | 8:19.44 BRUCE HAYES        | USA 1994 | 2:12.34 SHOTARO SHIMAZAKI | JPN 2023 |
| 1:59.79 ADAM RITTER      | USA 2013 | 8:22.07 ALBERT GALLARDO    | ESP 2014 | 2:12.58 HIROYUKI KOSAKA   | JPN 2010 |
| 2:00.55 YAMADA HIROYA    | JPN 2023 | 8:22.07 DAVID GENET        | FRA 2013 | 2:12.92 KYOSUKE YONEHARA  | JPN 2010 |
| 2:00.56 STEFAN HERBST    | GER 2006 | 1500 M. FREE               |          | 2:13.16 K.GILCHRIST       | GBR 2013 |
| 2:00.63 ISAMU MIZOKUCHI  | JPN 2022 | 15:30.92 CHAD TOURETTE     | USA 2019 | 2:13.60 KAZUYA KOIKE      | JPN 2009 |
| 2:01.58 DEAN KENT        | NZL 2005 | 15:48.79 MATTEO MONTANARI  | ITA 2020 | 2:14.16 YUYA YAMADA       | JPN 2023 |
| 2:01.78 RYOUTA MAEJIMA   | JPN 2022 | 15:51.07 ALEX KOSTICH      | USA 2000 | 50 M. FLY                 |          |
| 400 M. I.M.              |          | 15:53.48 RAFAEL CABANILLAS | ESP 2018 | 22.78 OLEG KOSTIN         | RUS 2023 |
| 4:14.51 IKUMI HASEGAWA   | JPN 2009 | 15:54.44 LUCA PUCE         | ITA 2015 | 22.87 THOMAS RUPPRATH     | GER 2009 |
| 4:19.10 WILLIAM RILEY    | GBR 2023 | 16:05.18 ERIC T NILSSON    | USA 2021 | 23.18 NIKITA KONOVALOV    | RUS 2022 |
| 4:20.94 DEAN KENT        | NZL 2005 | 16:06.84 IGOR PIOVESAN     | ITA 2008 | 23.31 RYO ISHII           | JPN 2023 |
| 4:26.08 JULIEN BAILLOD   | SUI 2009 | 16:08.19 L.GIOVANNINI      | ITA 2019 | 23.43 KAZUYA KISHI        | JPN 2023 |
| 4:26.63 YUUKI TEDUKA     | JPN 2023 | 16:08.42 DAVID GENET       | FRA 2014 | 23.44 HENRIQUE MARTINS    | BRA 2022 |
| 4:26.79 JOHN KEPPELER    | USA 1995 | 16:09.53 JULIEN BAILLOD    | SUI 2013 | 23.52 MARCIN CIENLAK      | POL 2023 |
| 4:26.97 ALEX KOSTICH     | USA 1997 | 50 M. BACK                 |          | 23.59 YOSHIHIRO ASO       | JPN 2019 |
| 4:27.31 SOHEI WASHINO    | JPN 2019 | 23.86 NELSON JUNIOR        | BRA 2017 | 23.66 NIKOLAY SKVORTSOV   | RUS 2017 |
| 4:27.84 ILYA LYAPIN      | RUS 2023 | 24.56 SHOTA TAKESHITA      | JPN 2023 | 23.96 TAKUYA HASEGAWA     | JPN 2019 |
| 4:28.12 GIORGIO PAOLETTI | ITA 2012 | 24.58 RODRIGO TRIVINO      | BRA 2016 | 100 M. FLY                |          |
|                          |          | 24.68 DMITRIY MALTSEV      | RUS 2023 | 52.40 KO FUKAYA           | JPN 2022 |
| *****                    |          | 24.68 SERGEY MAKOV         | RUS 2019 | 52.44 DARIAN TOWNSEND     | USA 2016 |
| M E N 30-34              |          | 24.73 CHARLES HOCKIN       | PAR 2022 | 52.63 STEFAN HERBST       | GER 2011 |
| *****                    |          | 24.75 DARIAN TOWNSEND      | USA 2016 | 52.67 GLAUBER SILVA       | BRA 2016 |
| 50 M. FREE               |          | 24.77 NIKITA KONOVALOV     | RUS 2022 | 53.14 YOSHIHIRO ASO       | JPN 2015 |
| 21.53 FELIPE MESSIAS     | BRA 2021 | 24.81 DERYA BUYUKUNCU      | USA 2009 | 53.57 KAZUYA KISHI        | JPN 2023 |
| 21.59 EVGENIY LAGUNOV    | RUS 2015 | 24.83 JUNICHI MORITA       | JPN 2021 | 53.65 SIMON BURNETT       | USA 2017 |
| 21.87 RYO ISHII          | JPN 2023 | 100 M. BACK                |          | 53.83 NAOYA HIRANO        | JPN 2018 |
| 21.91 DARIAN TOWNSEND    | USA 2016 | 52.13 JUNICHI MORITA       | JPN 2022 | 53.84 UENO TATSUYA        | JPN 2019 |
| 21.98 NICHOLAS BRUNELLI  | USA 2011 | 52.68 DERYA BUYUKUNCU      | USA 2009 | 54.06 SEIJI TANIGUCHI     | JPN 2018 |
| 22.10 MARCIN CIENLAK     | POL 2023 | 53.27 DMITRIY MALTSEV      | RUS 2023 | 200 M. FLY                |          |
| 22.13 THOMAS RUPPRATH    | GER 2009 | 53.58 CHARLES HOCKIN       | PAR 2022 | 1:53.56 NIKOLAY SKVORTSOV | RUS 2017 |
| 22.23 P.KORZENIOWSKI     | POL 2018 | 53.73 FABIO SANTI          | BRA 2023 | 1:57.41 DARIAN TOWNSEND   | USA 2016 |
| 22.24 DAVID MAITRE       | FRA 2011 | 53.88 TAKASHI TAKEMOTO     | JPN 2021 | 1:58.77 KO FUKAYA         | JPN 2023 |
| 22.25 ALEXANDER SMITH    | GBR 2021 | 54.49 D. BLACKBORROW       | AUS 2016 | 1:59.23 JUNICHI MORITA    | JPN 2022 |
| 100 M. FREE              |          | 54.53 SERGEY MAKOV         | RUS 2019 | 1:59.30 ITOU TATSUYA      | JPN 2019 |
| 47.29 EVGENIY LAGUNOV    | RUS 2015 | 54.65 SIMON BURNETT        | USA 2014 | 1:59.51 MARCELO TOMAZINI  | BRA 2009 |
| 48.08 DARIAN TOWNSEND    | USA 2014 | 54.87 T.TAKEUCHI           | JPN 2017 | 2:00.21 HIROSHI MIURA     | JPN 2000 |
| 48.87 NIKITA KONOVALOV   | RUS 2018 | 200 M. BACK                |          | 2:00.50 TAMAS KEREKJARTO  | USA 2009 |
| 49.04 S.KUNZELMANN       | GER 2008 | 1:53.66 JUNICHI MORITA     | JPN 2022 | 2:01.48 CAMERON OWEN      | USA 2023 |
| 49.17 P.KORZENIOWSKI     | POL 2018 | 1:55.46 DERYA BUYUKUNCU    | USA 2009 | 2:01.92 TAKATSUGU OGA     | JPN 2023 |
| 49.27 GREG MALLET        | USA 2014 | 1:56.68 STEFAN HERBST      | GER 2008 | 100 M. I.M.               |          |
| 49.30 TAMAS KEREKJARTO   | USA 2009 | 1:58.50 DMITRIY GORBUNOV   | RUS 2022 | 53.28 DARIAN TOWNSEND     | USA 2016 |
| 49.37 SIMON BURNETT      | USA 2016 | 1:58.96 CHARLES HOCKIN     | PAR 2022 | 54.41 P.KORZENIOWSKI      | POL 2018 |
| 49.39 ADAM RITTER        | USA 2018 | 2:00.08 HAYATE MATSUBARA   | JPN 2022 | 54.61 ADAM RITTER         | USA 2015 |
| 49.46 L.KLUVER           | GER 2023 | 2:00.17 MASAYA KANEKO      | JPN 2018 | 54.64 RYO ISHII           | JPN 2023 |
| 200 M. FREE              |          | 2:00.43 MARTIN ZUBERO      | USA 2001 | 54.81 MARCIN CIENLAK      | POL 2023 |
| 1:46.12 DARIAN TOWNSEND  | USA 2014 | 2:01.89 ADRIANO NIZ        | POR 2017 | 54.86 YOSHIHIRO ASO       | JPN 2019 |
| 1:46.52 STEFAN HERBST    | GER 2011 | 2:02.15 EDUARDO SEVIERI    | BRA 2015 | 55.00 STEFAN HERBST       | GER 2008 |
| 1:48.17 YURIY UFIMTSEV   | RUS 2015 | 50 M. BRST                 |          | 55.10 SIMON BURNETT       | USA 2016 |
| 1:48.40 JACOB CARSTENSEN | DEN 2008 | 26.72 FELIPE LIMA          | BRA 2018 | 55.28 DMITRIY MALTSEV     | RUS 2023 |
| 1:48.82 CHARLES HOCKIN   | PAR 2022 | 26.77 JORGE ALONZO         | ESP 2009 | 55.30 JUNICHI MORITA      | JPN 2023 |
| 1:49.00 CHRISTOPH HILMER | GER 2006 | 27.08 SHOTARO SHIMAZAKI    | JPN 2023 | 200 M. I.M.               |          |
| 1:49.32 DREW MODROV      | USA 2019 | 27.11 MARCELO TOMAZINI     | BRA 2009 | 1:56.96 DARIAN TOWNSEND   | USA 2016 |
| 1:49.58 TAMAS KEREKJARTO | USA 2009 | 27.13 KOHHEI TOMINAGA      | JPN 2021 | 1:57.68 TAMAS KEREKJARTO  | USA 2009 |
| 1:50.00 GREG MALLET      | USA 2014 | 27.15 BRANDON FISCHER      | USA 2023 | 1:58.13 STEFAN HERBST     | GER 2008 |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|         |                   |     |      |          |                   |     |      |         |                   |     |      |
|---------|-------------------|-----|------|----------|-------------------|-----|------|---------|-------------------|-----|------|
| 1:59.60 | NIKOLAY SKVORTSOV | RUS | 2017 | 8:22.41  | EDUARD MANNANOV   | ESP | 2023 | 2:16.59 | JOSE SARAIVA      | BRA | 2023 |
| 2:00.11 | JUNICHI MORITA    | JPN | 2022 | 8:23.06  | ERIK HOCHSTEIN    | USA | 2003 | 2:16.72 | STEPHAN PERROT    | FRA | 2015 |
| 2:00.39 | P.KORZENIOWSKI    | POL | 2018 | 8:25.33  | GUY-NOEL SCHMITT  | FRA | 2019 | 2:16.78 | SERGEY GOGOL      | RUS | 2017 |
| 2:00.90 | ITOU TATSUYA      | JPN | 2019 | 1500 M.  | FREE              |     |      | 2:16.81 | CHRISTOPHER JONES | GBR | 2017 |
| 2:02.09 | SIMON BURNETT     | USA | 2017 | 15:41.78 | CHAD LA TOURETTE  | USA | 2023 | 2:16.82 | MARK BAARS        | NED | 2020 |
| 2:02.20 | HIROYUKI KOSAKA   | JPN | 2010 | 15:56.57 | ALEX KOSTICH      | USA | 2009 | 2:17.47 | BLAKE HOLDEN      | USA | 2014 |
| 2:03.04 | KEITH BEAVERS     | CAN | 2014 | 15:58.12 | L.GIOVANNINI      | ITA | 2023 | 2:17.96 | RON KARNAUGH      | USA | 2002 |
| 400 M.  | I.M.              |     |      | 15:58.20 | BOBBY PATTEN      | USA | 1999 | 50 M.   | FLY               |     |      |
| 4:13.68 | DARIAN TOWNSEND   | USA | 2015 | 16:02.32 | GUY-NOEL SCHMITT  | FRA | 2019 | 22.97   | LIONEL BRAHIM     | FRA | 2010 |
| 4:19.69 | TAMAS KEREKJARTO  | USA | 2009 | 16:03.47 | MIKE SHAFFER      | USA | 2000 | 23.12   | ROLAND SCHOEMAN   | USA | 2018 |
| 4:22.35 | ASUKA KOIZUMI     | JPN | 2009 | 16:05.94 | RICHARD STANNARD  | GBR | 2009 | 23.63   | STEFANO RAZETO    | GER | 2021 |
| 4:24.21 | FRANS JOHANNESSEN | DEN | 2023 | 16:07.85 | FRED CLATWORTHY   | GBR | 2009 | 23.64   | YOSHIHIRO ASO     | JPN | 2023 |
| 4:25.00 | KEITH BEAVERS     | CAN | 2014 | 16:09.00 | RAFAEL CABANILLAS | ESP | 2023 | 23.64   | ADAM PINE         | AUS | 2011 |
| 4:25.05 | JUNICHI MORITA    | JPN | 2021 | 16:09.52 | LUIZ PIRES        | BRA | 2023 | 23.68   | P.KORZENIOWSKI    | POL | 2023 |
| 4:26.74 | ROQUE SANTOS      | USA | 1999 | 50 M.    | BACK              |     |      | 23.69   | TAKUYA HASEGAWA   | JPN | 2020 |
| 4:27.02 | JOCHEN HANZ       | GER | 2008 | 24.48    | STEFANO RAZETO    | GER | 2021 | 23.72   | LARS FROLANDER    | SWE | 2011 |
| 4:28.79 | RYOYA TAGUCHI     | JPN | 2018 | 24.95    | C.REQUENO SOLER   | ESP | 2023 | 23.78   | MAKSIM GANIKHIN   | RUS | 2023 |
| 4:28.83 | K.GILCHRIST       | GBR | 2013 | 24.97    | LEONARDO SUMIDA   | BRA | 2021 | 23.78   | GLAUBER SILVA     | BRA | 2023 |
| *****   |                   |     |      | 25.00    | SERGEY MAKOV      | RUS | 2022 | 100 M.  | FLY               |     |      |
| *****   |                   |     |      | 25.08    | RICARDO LEAL      | POR | 2023 | 52.24   | ADAM PINE         | AUS | 2011 |
| *****   |                   |     |      | 25.20    | MANABU SASAKI     | JPN | 2023 | 52.69   | MAKSIM GANIKHIN   | RUS | 2023 |
| *****   |                   |     |      | 25.21    | MATTHEW CLAY      | GBR | 2021 | 52.78   | TAKUYA HASEGAWA   | JPN | 2020 |
| *****   |                   |     |      | 25.26    | NAOYA HIRANO      | JPN | 2021 | 53.17   | NIKOLAY SKVORTSOV | RUS | 2023 |
| 50 M.   | FREE              |     |      | 25.30    | RODRIGO TRIVINO   | BRA | 2019 | 53.59   | ITO TATSUYA       | JPN | 2023 |
| 21.53   | MARK FOSTER       | GBR | 2007 | 25.39    | TOMOYA FUKUI      | JPN | 2022 | 54.25   | TAKEFUMI KAKIZOE  | JPN | 2019 |
| 21.81   | ROLAND SCHOEMAN   | USA | 2018 | 100 M.   | BACK              |     |      | 54.27   | IGOR MARCHENKO    | USA | 2011 |
| 22.03   | STEFANO RAZETO    | GER | 2021 | 54.57    | MANABU SASAKI     | JPN | 2023 | 54.56   | EIJI NOMURA       | JPN | 2010 |
| 22.28   | YOSHIHIRO ASO     | JPN | 2021 | 54.59    | C.REQUENO SOLER   | ESP | 2023 | 54.60   | GLAUBER SILVA     | BRA | 2023 |
| 22.46   | GUILHERME SANTOS  | BRA | 2018 | 54.60    | TAKASHI TAKEMOTO  | JPN | 2022 | 54.70   | M.EROLI           | ITA | 2012 |
| 22.47   | JOHN MIRANDA      | SWE | 2000 | 54.66    | DARIAN R TOWNSEND | USA | 2019 | 200 M.  | FLY               |     |      |
| 22.48   | BENJAMIN HOCKIN   | PAR | 2022 | 54.80    | LEONARDO SUMIDA   | BRA | 2021 | 2:00.01 | ITO TATSUYA       | JPN | 2023 |
| 22.48   | RYK NEETHLING     | RSA | 2014 | 55.01    | MICHAEL KLUEH     | USA | 2023 | 2:02.25 | RYOYA TAGUCHI     | JPN | 2023 |
| 22.49   | P.KORZENIOWSKI    | POL | 2022 | 55.31    | T.TAKEUCHI        | JPN | 2018 | 2:02.77 | TAKEFUMI KAKIZOE  | JPN | 2018 |
| 22.62   | ANDREY KURNOSOV   | RUS | 2021 | 55.32    | YUUKI TAKEUCHI    | JPN | 2018 | 2:02.98 | BRENT CREAGER     | USA | 2014 |
| 100 M.  | FREE              |     |      | 55.48    | A.TARABRIN        | RUS | 2023 | 2:03.05 | M.EROLI           | ITA | 2012 |
| 47.70   | ROLAND SCHOEMAN   | USA | 2018 | 55.56    | BENJAMIN HOCKIN   | PAR | 2022 | 2:03.31 | EIJI NOMURA       | JPN | 2009 |
| 48.58   | BENJAMIN HOCKIN   | PAR | 2021 | 200 M.   | BACK              |     |      | 2:03.76 | FERNANDO ALAEZ    | ESP | 2011 |
| 49.27   | ADAM J RITTER     | USA | 2021 | 1:59.58  | KEVIN NEAD        | USA | 2023 | 2:04.06 | ISAMU TSUZUKI     | JPN | 2012 |
| 49.37   | STEFANO RAZETO    | GER | 2021 | 2:00.34  | RON KARNAUGH      | USA | 2002 | 2:04.50 | BOBBY PATTEN      | USA | 1999 |
| 49.40   | P.KORZENIOWSKI    | POL | 2023 | 2:01.18  | MICHAEL P KLUEH   | USA | 2022 | 2:05.84 | MIKE SHAFFER      | USA | 2000 |
| 49.53   | JOHN MIRANDA      | SWE | 2000 | 2:01.55  | STEFAN HERBST     | GER | 2013 | 100 M.  | I.M.              |     |      |
| 49.61   | GUILHERME SANTOS  | BRA | 2018 | 2:01.74  | MASAYA KANEKO     | JPN | 2022 | 54.86   | P.KORZENIOWSKI    | POL | 2022 |
| 49.67   | MIKEL BILDOSOLA   | ESP | 2022 | 2:03.20  | DEREK GUFFEY      | USA | 2009 | 54.90   | BENJAMIN HOCKIN   | PAR | 2021 |
| 49.68   | TAKUYA HASEGAWA   | JPN | 2022 | 2:03.38  | MANABU SASAKI     | JPN | 2023 | 54.91   | DARIAN R TOWNSEND | USA | 2019 |
| 50.43   | JOSE JUNIOR       | BRA | 2018 | 2:03.47  | RYOYA TAGUCHI     | JPN | 2021 | 55.16   | ADAM J RITTER     | USA | 2021 |
| 200 M.  | FREE              |     |      | 2:03.75  | MAURIZIO TERSAR   | ITA | 2015 | 55.40   | YOSHIHIRO ASO     | JPN | 2021 |
| 1:48.36 | BENJAMIN HOCKIN   | PAR | 2021 | 2:03.85  | MARCO MACCIANTI   | ITA | 2017 | 56.07   | MARK BAARS        | NED | 2020 |
| 1:49.22 | SHOGO HIHARA      | JPN | 2023 | 50 M.    | BRST              |     |      | 56.19   | ITO TATSUYA       | JPN | 2023 |
| 1:51.31 | ERIK HOCHSTEIN    | USA | 2003 | 26.66    | ROLAND SCHOEMAN   | USA | 2018 | 56.29   | YUTA SHOJI        | JPN | 2019 |
| 1:51.33 | IRAKLI REVISHVILI | UAE | 2023 | 27.32    | SERGEY GEYBEL     | RUS | 2016 | 56.31   | TAKEFUMI KAKIZOE  | JPN | 2018 |
| 1:51.47 | JOCHEN BRUHA      | GER | 2004 | 27.34    | RYO KOBAYASHI     | JPN | 2023 | 56.36   | GLENN COUNTS      | USA | 2012 |
| 1:51.54 | RYOYA TAGUCHI     | JPN | 2021 | 27.52    | RYOUTA NOMURA     | JPN | 2023 | 200 M.  | I.M.              |     |      |
| 1:51.54 | MICHAEL ROSS      | USA | 2004 | 27.79    | JEFF COMMINGS     | USA | 2009 | 1:59.85 | DARIAN R TOWNSEND | USA | 2019 |
| 1:51.99 | ANDY GRANT        | USA | 2023 | 27.93    | MARK BAARS        | NED | 2020 | 2:01.96 | ITO TATSUYA       | JPN | 2023 |
| 1:52.22 | ADAM J RITTER     | USA | 2021 | 28.12    | MIN KWANG SHU     | CAN | 2023 | 2:03.04 | RYOYA TAGUCHI     | JPN | 2021 |
| 1:52.90 | RON KARNAUGH      | USA | 2002 | 28.26    | BENJAMIN HOCKIN   | PAR | 2022 | 2:03.29 | RON KARNAUGH      | USA | 2002 |
| 400 M.  | FREE              |     |      | 28.28    | CHRIS TOBIN       | CAN | 2023 | 2:04.89 | DEREK GUFFEY      | USA | 2009 |
| 3:53.30 | IRAKLI REVISHVILI | UAE | 2023 | 28.30    | LUCAS LEITE       | BRA | 2023 | 2:05.03 | TAKEFUMI KAKIZOE  | JPN | 2018 |
| 3:57.77 | ERIK HOCHSTEIN    | USA | 2003 | 100 M.   | BRST              |     |      | 2:05.28 | M.EROLI           | ITA | 2013 |
| 3:58.46 | NICOLA NISATO     | ITA | 2017 | 59.65    | RYO KOBAYASHI     | JPN | 2023 | 2:05.79 | TAMAS KEREKJARTO  | USA | 2018 |
| 3:58.50 | F.SILVESTRI       | ITA | 2002 | 1:00.10  | RYOUTA NOMURA     | JPN | 2023 | 2:06.39 | HIROYUKI KOSAKA   | JPN | 2011 |
| 3:59.71 | JACOB CARSTENSEN  | DEN | 2013 | 1:00.21  | ADAM J RITTER     | USA | 2021 | 2:06.45 | YOSHIHIRO ASO     | JPN | 2023 |
| 3:59.98 | L.GIOVANNINI      | ITA | 2022 | 1:00.61  | SERGEY GEYBEL     | RUS | 2016 | 400 M.  | I.M.              |     |      |
| 4:00.33 | GUY-NOEL SCHMITT  | FRA | 2018 | 1:01.18  | RYOSUKE IMAI      | JPN | 2013 | 4:19.79 | DARIAN R TOWNSEND | USA | 2019 |
| 4:00.42 | YURI GOTTI        | ITA | 2017 | 1:01.30  | MARTTI ALJAND     | EST | 2023 | 4:24.36 | RON KARNAUGH      | USA | 2003 |
| 4:00.63 | RYOYA TAGUCHI     | JPN | 2021 | 1:01.36  | P.KORZENIOWSKI    | POL | 2023 | 4:26.11 | RYOYA TAGUCHI     | JPN | 2021 |
| 4:01.53 | EDUARD MANNANOV   | ESP | 2023 | 1:01.47  | JEFF COMMINGS     | USA | 2009 | 4:30.09 | CLAUS IVERSEN     | DEN | 2015 |
| 800 M.  | FREE              |     |      | 1:01.63  | STEVE WEST        | USA | 2009 | 4:30.77 | JULIEN BAILLOD    | SUI | 2016 |
| 8:08.20 | IRAKLI REVISHVILI | UAE | 2023 | 1:01.85  | JOSE SARAIVA      | BRA | 2023 | 4:30.81 | DEREK GUFFEY      | USA | 2009 |
| 8:13.92 | ROGER RABASSA     | ESP | 2018 | 200 M.   | BRST              |     |      | 4:31.30 | L.GIOVANNINI      | ITA | 2023 |
| 8:16.19 | ALEX KOSTICH      | USA | 2009 | 2:15.42  | KAZUYA KOIKE      | JPN | 2014 | 4:32.97 | UWE VOLK          | GER | 2009 |
| 8:19.24 | CHAD LA TOURETTE  | USA | 2023 | 2:15.64  | STEVE WEST        | USA | 2011 | 4:33.58 | EDUARDO SEVIERI   | BRA | 2021 |
| 8:19.97 | L.GIOVANNINI      | ITA | 2022 | 2:16.49  | NICK GILLINGHAM   | GBR | 2004 | 4:33.88 | TAKEFUMI KAKIZOE  | JPN | 2018 |
| 8:20.40 | NICOLA NISATO     | ITA | 2016 |          |                   |     |      |         |                   |     |      |
| 8:21.92 | YURI GOTTI        | ITA | 2017 |          |                   |     |      |         |                   |     |      |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|             |                  |      |      |         |                   |      |      |             |                   |      |      |
|-------------|------------------|------|------|---------|-------------------|------|------|-------------|-------------------|------|------|
| *****       |                  |      |      | 26.04   | PABLO ABAL        | ARG  | 2019 | 53.81       | LARS FROLANDER    | SWE  | 2014 |
| M E N 40-44 |                  |      |      | 26.17   | ALEXANDR SHILIN   | RUS  | 2017 | 54.41       | TAKASHI NISHIYAMA | JPN  | 2023 |
| *****       |                  |      |      | 26.22   | C.GIBSON          | USA  | 2023 | 54.46       | ANDREJS DUDA      | LAT  | 2022 |
| 50          | M.               | FREE |      | 26.22   | DANIEL LOTANO     | USA  | 2022 | 54.98       | EIJI NOMURA       | JPN  | 2014 |
| 22.23       | ANDREJS DUDA     | LAT  | 2022 | 26.33   | DANIEL LONNBERG   | SWE  | 2015 | 55.53       | BRENT CREAGER     | USA  | 2023 |
| 22.39       | FILIPPO MAGNINI  | ITA  | 2023 | 26.44   | KENICHI KANEKO    | JPN  | 2022 | 55.64       | KEI NAKASHIMA     | JPN  | 2023 |
| 22.54       | MIKEL BILDOSOLA  | ESP  | 2023 | 100     | M.                | BACK |      | 55.72       | TAKEFUMI KAKIZOE  | JPN  | 2022 |
| 22.67       | ANDREI KURNOSOV  | RUS  | 2022 | 54.85   | MICHAEL ROSS      | USA  | 2008 | 55.82       | MICHAEL ROSS      | USA  | 2008 |
| 22.73       | J.SANCHES JUNIOR | BRA  | 2023 | 55.90   | CHRIS STEVENSON   | USA  | 2008 | 55.97       | ISAMU TSUZUKI     | JPN  | 2013 |
| 22.75       | HIDEAKI HARA     | JPN  | 2016 | 56.22   | ENRICO CATALANO   | ITA  | 2023 | 200         | M.                | FLY  |      |
| 22.92       | DAISUKE HOSOKAWA | JPN  | 2023 | 56.89   | TAKUMA YAMAOKA    | JPN  | 2018 | 2:02.97     | WILLIAM SPECHT    | USA  | 1998 |
| 23.05       | O.PLANES OSORIO  | ESP  | 2016 | 57.18   | MAURIZIO TERSAR   | ITA  | 2017 | 2:04.42     | FERNANDO ALAEZ    | ESP  | 2016 |
| 23.06       | M.GIALDI         | ITA  | 2010 | 57.36   | DANIEL LONNBERG   | SWE  | 2015 | 2:04.42     | EIJI NOMURA       | JPN  | 2012 |
| 23.13       | BRIAN JACOBSON   | USA  | 2013 | 57.41   | SHINYA HAYASHI    | JPN  | 2019 | 2:05.72     | TOSHIYUKI IBE     | JPN  | 2010 |
| 100         | M.               | FREE |      | 57.53   | STEFAN HERBST     | GER  | 2022 | 2:05.96     | ISAMU TSUZUKI     | JPN  | 2014 |
| 48.68       | FILIPPO MAGNINI  | ITA  | 2023 | 57.53   | TAKEFUMI KAKIZOE  | JPN  | 2022 | 2:06.04     | BRENT CREAGER     | USA  | 2023 |
| 49.40       | ANDREJS DUDA     | LAT  | 2022 | 57.64   | JEFF COMMINGS     | USA  | 2018 | 2:06.06     | UWE VOLK          | GER  | 2010 |
| 49.64       | HIDEAKI HARA     | JPN  | 2017 | 200     | M.                | BACK |      | 2:06.16     | M.EROLI           | ITA  | 2017 |
| 49.70       | MIKEL BILDOSOLA  | ESP  | 2023 | 2:03.84 | MICHAEL ROSS      | USA  | 2008 | 2:06.48     | DENNIS BAKER      | USA  | 2005 |
| 50.34       | J.SANCHES JUNIOR | BRA  | 2023 | 2:04.29 | MAURIZIO TERSAR   | ITA  | 2016 | 2:06.56     | TAKEFUMI KAKIZOE  | JPN  | 2023 |
| 50.43       | MICHAEL ROSS     | USA  | 2008 | 2:04.51 | M.WAKABAYASHI     | JPN  | 2021 | 100         | M.                | I.M. |      |
| 50.45       | ERIK HOCHSTEIN   | USA  | 2009 | 2:04.96 | CHRIS STEVENSON   | USA  | 2008 | 56.80       | DAISUKE HOSOKAWA  | JPN  | 2023 |
| 50.58       | LARS FROLANDER   | SWE  | 2015 | 2:05.95 | SHINYA HAYASHI    | JPN  | 2021 | 56.91       | TAKASHI NISHIYAMA | JPN  | 2019 |
| 50.90       | O.PLANES OSORIO  | ESP  | 2016 | 2:06.66 | MARK VOGEL        | DEN  | 2010 | 56.98       | TAKEFUMI KAKIZOE  | JPN  | 2022 |
| 50.92       | RODRIGO CASTRO   | BRA  | 2021 | 2:06.77 | ANTONINO TRIPPODO | ITA  | 2016 | 57.07       | HIDEAKI HARA      | JPN  | 2016 |
| 200         | M.               | FREE |      | 2:06.78 | TAKAYUKI MIYASAKA | JPN  | 2015 | 57.09       | ANDREI KURNOSOV   | RUS  | 2023 |
| 1:50.08     | MICHAEL ROSS     | USA  | 2008 | 2:07.16 | NICOLAS GRANGER   | FRA  | 2010 | 57.19       | JEFF COMMINGS     | USA  | 2014 |
| 1:51.50     | RODRIGO CASTRO   | BRA  | 2021 | 2:07.31 | HONZA VITAZKA     | SWE  | 2016 | 57.30       | TAKASHI NISHIYAMA | JPN  | 2023 |
| 1:51.91     | CLAUS IVERSEN    | DEN  | 2017 | 50      | M.                | BRST |      | 57.34       | BEN HARKIN        | GBR  | 2018 |
| 1:51.95     | ERIK HOCHSTEIN   | USA  | 2009 | 27.05   | ROLAND SCHOEMAN   | USA  | 2023 | 57.39       | ALBERTO MONTINI   | ITA  | 2010 |
| 1:53.03     | KAI DITZEL       | GER  | 2004 | 27.68   | FILIPPO MAGNINI   | ITA  | 2023 | 57.63       | MIKEL BILDOSOLA   | ESP  | 2023 |
| 1:53.42     | D.STOCKINGER     | AUT  | 2023 | 28.02   | ANDREI KURNOSOV   | RUS  | 2023 | 200         | M.                | I.M. |      |
| 1:54.24     | MIKEL BILDOSOLA  | ESP  | 2023 | 28.06   | RYOSUKE IMAI      | JPN  | 2019 | 2:03.45     | MARKUS A ROGAN    | USA  | 2022 |
| 1:54.62     | ALBERTO MONTINI  | ITA  | 2010 | 28.21   | JEFF COMMINGS     | USA  | 2018 | 2:05.46     | ROQUE SANTOS      | USA  | 2009 |
| 1:54.92     | SAMUELE PAMPANA  | ITA  | 2017 | 28.51   | GEOFF WELLS       | USA  | 2022 | 2:06.12     | TAKEFUMI KAKIZOE  | JPN  | 2023 |
| 1:55.00     | TAKAHIRO MORI    | JPN  | 2020 | 28.52   | STEVE WEST        | USA  | 2014 | 2:06.71     | JEFF COMMINGS     | USA  | 2016 |
| 400         | M.               | FREE |      | 28.68   | C.VANDERKAAY      | USA  | 2022 | 2:06.97     | NICOLAS GRANGER   | FRA  | 2010 |
| 3:59.68     | SAMUELE PAMPANA  | ITA  | 2017 | 28.69   | FELIPE SANTOS     | BRA  | 2021 | 2:07.20     | HIROYUKI KOSAKA   | JPN  | 2017 |
| 4:00.67     | KAI DITZEL       | GER  | 2004 | 28.76   | ALBERTO MONTINI   | ITA  | 2010 | 2:07.53     | ASUKA KOIZUMI     | JPN  | 2019 |
| 4:00.80     | ALBERTO MONTINI  | ITA  | 2009 | 100     | M.                | BRST |      | 2:07.71     | ERIK HOCHSTEIN    | USA  | 2008 |
| 4:00.98     | RODRIGO CASTRO   | BRA  | 2021 | 1:01.42 | STEVE WEST        | USA  | 2014 | 2:07.88     | UWE VOLK          | GER  | 2010 |
| 4:01.32     | ERIK HOCHSTEIN   | USA  | 2009 | 1:01.75 | JEFF COMMINGS     | USA  | 2018 | 2:07.96     | PETER BERMEL      | GER  | 2007 |
| 4:01.66     | MARKUS ROGAN     | USA  | 2023 | 1:02.05 | CHRIS JONES       | GBR  | 2023 | 400         | M.                | I.M. |      |
| 4:02.00     | JACOB CARSTENSEN | DEN  | 2018 | 1:02.06 | GEOFF WELLS       | USA  | 2022 | 4:22.29     | MARKUS ROGAN      | USA  | 2023 |
| 4:02.23     | CLAUS IVERSEN    | DEN  | 2017 | 1:02.38 | RYOSUKE IMAI      | JPN  | 2019 | 4:30.68     | ERIC CHRISTENSEN  | USA  | 2014 |
| 4:03.27     | NICOLA NISATO    | ITA  | 2018 | 1:02.42 | ALBERTO MONTINI   | ITA  | 2009 | 4:31.92     | UWE VOLK          | GER  | 2011 |
| 4:04.16     | GUSTAVO HELENO   | BRA  | 2016 | 1:02.86 | BEN HARKIN        | GBR  | 2018 | 4:31.96     | ASUKA KOIZUMI     | JPN  | 2019 |
| 800         | M.               | FREE |      | 1:02.94 | HIROSHI TENMA     | JPN  | 2022 | 4:32.05     | ROQUE SANTOS      | USA  | 2008 |
| 8:15.69     | SAMUELE PAMPANA  | ITA  | 2017 | 1:03.08 | VLADISLAV BRAGIN  | RUS  | 2011 | 4:33.90     | ALBERTO MONTINI   | ITA  | 2009 |
| 8:21.50     | NICOLA NISATO    | ITA  | 2018 | 1:03.11 | VAL BAGRI         | USA  | 2015 | 4:34.67     | JACOB CARSTENSEN  | DEN  | 2018 |
| 8:21.78     | ALEX KOSTICH     | USA  | 2011 | 200     | M.                | BRST |      | 4:35.15     | ERIK HOCHSTEIN    | USA  | 2008 |
| 8:24.88     | R SEAN JUSTICE   | USA  | 2016 | 2:13.72 | STEVE WEST        | USA  | 2014 | 4:35.52     | HONZA VITAZKA     | SWE  | 2016 |
| 8:25.08     | ERIK HOCHSTEIN   | USA  | 2009 | 2:14.38 | HIROSHI TENMA     | JPN  | 2023 | 4:35.57     | NICOLAS GRANGER   | FRA  | 2007 |
| 8:27.03     | ERIC CHRISTENSEN | USA  | 2014 | 2:15.84 | CHRIS JONES       | GBR  | 2023 | *****       |                   |      |      |
| 8:27.25     | JACOB CARSTENSEN | DEN  | 2019 | 2:15.95 | ALBERTO MONTINI   | ITA  | 2009 | M E N 45-49 |                   |      |      |
| 8:28.16     | ALEJANDRO MORENO | MEX  | 2009 | 2:16.03 | ROQUE SANTOS      | USA  | 2009 | *****       |                   |      |      |
| 8:28.23     | DANIEL SERRA     | ESP  | 2009 | 2:17.50 | STEPHAN PERROT    | FRA  | 2017 | 50          | M.                | FREE |      |
| 8:28.93     | GUSTAVO HELENO   | BRA  | 2016 | 2:19.31 | BEN HARKIN        | GBR  | 2018 | 22.85       | HIDEAKI HARA      | JPN  | 2019 |
| 1500        | M.               | FREE |      | 2:19.91 | RYOSUKE IMAI      | JPN  | 2019 | 23.15       | DAVID CEBRIA      | ESP  | 2023 |
| 15:51.60    | SAMUELE PAMPANA  | ITA  | 2016 | 2:20.19 | HAJIME MORIMOTO   | JPN  | 2010 | 23.29       | JOAKIM HOLMQUIST  | SWE  | 2016 |
| 16:02.94    | NICOLA NISATO    | ITA  | 2019 | 2:20.51 | BLAKE A HOLDEN    | USA  | 2019 | 23.54       | RAVIL NAGAEV      | RUS  | 2019 |
| 16:07.46    | DANIEL SERRA     | ESP  | 2009 | 50      | M.                | FLY  |      | 23.54       | ISAMU TSUZUKI     | JPN  | 2018 |
| 16:09.32    | MIKE SHAFFER     | USA  | 2009 | 23.80   | ANDREJS DUDA      | LAT  | 2022 | 23.54       | VLADIMIR PREDKIN  | RUS  | 2014 |
| 16:19.00    | ERIC CHRISTENSEN | USA  | 2014 | 23.90   | KOHEI KAWAMOTO    | JPN  | 2023 | 23.58       | SIPHIWE BALEKA    | USA  | 2016 |
| 16:19.16    | R SEAN JUSTICE   | USA  | 2016 | 24.14   | LARS FROLANDER    | SWE  | 2014 | 23.65       | MATTHEW BIONDI    | USA  | 2012 |
| 16:22.21    | DINO SCHORN      | ITA  | 2009 | 24.33   | TAKASHI NISHIYAMA | JPN  | 2019 | 23.68       | S.KUNZELMANN      | GER  | 2023 |
| 16:23.60    | IGOR PIOVESAN    | ITA  | 2014 | 24.53   | ANDREI KURNOSOV   | RUS  | 2023 | 23.69       | M.GIALDI          | ITA  | 2014 |
| 16:23.95    | F.SILVESTRI      | ITA  | 2003 | 24.66   | MIKEL BILDOSOLA   | ESP  | 2023 | 100         | M.                | FREE |      |
| 16:32.10    | ASUKA KOIZUMI    | JPN  | 2019 | 24.72   | EIJI NOMURA       | JPN  | 2013 | 49.99       | HIDEAKI HARA      | JPN  | 2019 |
| 50          | M.               | BACK |      | 24.91   | MICHAEL ROSS      | USA  | 2008 | 51.24       | RODRIGO CASTRO    | BRA  | 2023 |
| 25.48       | M.WAKABAYASHI    | JPN  | 2021 | 24.97   | DAISUKE HOSOKAWA  | JPN  | 2023 | 51.30       | NICOLAS GRANGER   | FRA  | 2012 |
| 25.53       | MICHAEL ROSS     | USA  | 2009 | 24.97   | MARCIN KACZMAREK  | POL  | 2020 | 52.12       | STEFAN HERBST     | GER  | 2023 |
| 25.78       | MARCIN KACZMAREK | POL  | 2018 | 100     | M.                | FLY  |      | 52.22       | ISAMU TSUZUKI     | JPN  | 2019 |
| 25.94       | EDILSON JUNIOR   | BRA  | 2012 | 53.56   | KOHEI KAWAMOTO    | JPN  | 2023 |             |                   |      |      |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)

|              |                   |     |      |             |                   |     |      |             |                   |     |      |
|--------------|-------------------|-----|------|-------------|-------------------|-----|------|-------------|-------------------|-----|------|
| 52.23        | S.KUNZELMANN      | GER | 2023 | 2:05.54     | CHRIS STEVENSON   | USA | 2009 | 2:09.92     | ALBERTO MONTINI   | ITA | 2013 |
| 52.53        | MARK THOMPSON     | AUS | 2015 | 2:05.64     | CHUCK BARNES      | USA | 2023 | 2:09.98     | TOSHIYUKI IBE     | JPN | 2015 |
| 52.54        | PAUL SMITH        | USA | 2007 | 2:06.66     | NICOLAS GRANGER   | FRA | 2012 | 100 M. I.M. |                   |     |      |
| 52.55        | VLADIMIR PREDKIN  | RUS | 2014 | 2:07.47     | TAKUMA YAMAOKA    | JPN | 2023 | 57.68       | NICOLAS GRANGER   | FRA | 2012 |
| 52.62        | MARC ALLAN        | RSA | 2023 | 2:08.91     | MAURIZIO TERSAR   | ITA | 2023 | 57.83       | ISAMU TSUZUKI     | JPN | 2018 |
| 200 M. FREE  |                   |     |      | 2:09.99     | ATASAY SERKAN     | TUR | 2017 | 57.87       | HIDEAKI HARA      | JPN | 2023 |
| 1:52.58      | RODRIGO CASTRO    | BRA | 2023 | 2:10.20     | CLAUS IVERSEN     | DEN | 2022 | 58.18       | JEFF COMMINGS     | USA | 2021 |
| 1:52.87      | NICOLAS GRANGER   | FRA | 2012 | 2:10.28     | Y.NAKAHARA        | JPN | 2015 | 58.23       | BEN HARKIN        | GBR | 2023 |
| 1:53.35      | HIDEAKI HARA      | JPN | 2022 | 2:10.43     | JAY YARID         | USA | 2008 | 58.66       | STEFAN HERBST     | GER | 2023 |
| 1:54.73      | KAI DITZEL        | GER | 2008 | 2:10.70     | M.MOURA CARVALHO  | POR | 2023 | 59.38       | TREVER O GRAY     | USA | 2021 |
| 1:55.72      | CLAUS IVERSEN     | DEN | 2022 | 50 M. BRST  |                   |     |      | 59.56       | MARCELLO TONELLI  | ESP | 2020 |
| 1:55.88      | FABIO CALMASINI   | ITA | 2013 | 28.64       | JEFF COMMINGS     | USA | 2023 | 59.71       | VLADIMIR PREDKIN  | RUS | 2014 |
| 1:55.91      | MARK THOMPSON     | AUS | 2015 | 28.83       | HIDEAKI TOGO      | JPN | 2018 | 59.72       | ALEKSANDR SHILIN  | RUS | 2022 |
| 1:56.00      | PAUL SMITH        | USA | 2007 | 28.87       | RICO ROLLI        | ITA | 2010 | 200 M. I.M. |                   |     |      |
| 1:56.26      | MARCUS MATTIOLI   | BRA | 2009 | 28.88       | TODD TORRES       | USA | 2013 | 2:04.64     | NICOLAS GRANGER   | FRA | 2012 |
| 1:56.62      | ISAMU TSUZUKI     | JPN | 2018 | 28.94       | STEVE WEST        | USA | 2018 | 2:09.71     | JEROME FRENTSOS   | USA | 2010 |
| 1:56.62      | KEITH SWITZER     | USA | 2009 | 29.11       | NICOLAS GRANGER   | FRA | 2015 | 2:10.47     | KURT GROTE        | USA | 2019 |
| 400 M. FREE  |                   |     |      | 29.18       | YOZO FUJII        | JPN | 2014 | 2:10.49     | TAIHEI SAKA       | JPN | 2009 |
| 4:03.10      | FABIO CALMASINI   | ITA | 2015 | 29.21       | ATASAY SERKAN     | TUR | 2017 | 2:10.57     | JEFF COMMINGS     | USA | 2022 |
| 4:03.81      | NICOLAS GRANGER   | FRA | 2015 | 29.22       | JOAKIM HOLMQUIST  | SWE | 2016 | 2:11.23     | CLAUS IVERSEN     | DEN | 2022 |
| 4:05.90      | KAI DITZEL        | GER | 2008 | 29.43       | BEN HARKIN        | GBR | 2023 | 2:11.25     | FERNANDO FARRERES | ESP | 2021 |
| 4:08.87      | MARK THOMPSON     | AUS | 2015 | 100 M. BRST |                   |     |      | 2:11.28     | ANDERS RASMUSSEN  | USA | 2009 |
| 4:08.89      | HIDEAKI HARA      | JPN | 2023 | 1:02.22     | STEVE WEST        | USA | 2018 | 2:11.43     | BYRON SHEFCHIK    | USA | 2019 |
| 4:08.93      | MARCUS MATTIOLI   | BRA | 2005 | 1:02.70     | JEFF P COMMINGS   | USA | 2019 | 2:11.84     | ALBERTO MONTINI   | ITA | 2013 |
| 4:09.19      | KEITH SWITZER     | USA | 2009 | 1:03.23     | NICOLAS GRANGER   | FRA | 2015 | 400 M. I.M. |                   |     |      |
| 4:09.31      | NICOLA NISATO     | ITA | 2023 | 1:04.39     | TODD TORRES       | USA | 2013 | 4:31.36     | NICOLAS GRANGER   | FRA | 2012 |
| 4:09.99      | IGOR PIOVESAN     | ITA | 2019 | 1:04.41     | VLADISLAV BRAGIN  | RUS | 2016 | 4:39.19     | ALBERTO MONTINI   | ITA | 2013 |
| 4:11.02      | MARCO COLOMBO     | ITA | 2007 | 1:04.62     | RICO ROLLI        | ITA | 2011 | 4:42.15     | TAIHEI SAKA       | JPN | 2009 |
| 800 M. FREE  |                   |     |      | 1:04.63     | HIDEAKI TOGO      | JPN | 2021 | 4:43.36     | GREG STREPPPEL    | CAN | 2015 |
| 8:28.53      | FABIO CALMASINI   | ITA | 2016 | 1:04.69     | CHRIS WEISSMAN    | USA | 2009 | 4:43.58     | FABIO CALMASINI   | ITA | 2013 |
| 8:31.31      | NICOLA NISATO     | ITA | 2023 | 1:04.76     | HAJIME MORIMOTO   | JPN | 2014 | 4:43.64     | JEROME FRENTSOS   | USA | 2010 |
| 8:35.48      | MARK THOMPSON     | AUS | 2015 | 1:04.80     | YOZO FUJII        | JPN | 2013 | 4:43.91     | CLAUS IVERSEN     | DEN | 2023 |
| 8:38.56      | GREG STREPPPEL    | CAN | 2015 | 200 M. BRST |                   |     |      | 4:44.04     | DANIEL COTTON     | GBR | 2019 |
| 8:39.84      | MICHAEL PRUFERT   | GER | 2009 | 2:15.45     | STEVE WEST        | USA | 2018 | 4:44.28     | MARCUS MATTIOLI   | BRA | 2009 |
| 8:41.15      | GLAUCO RANGEL     | BRA | 2021 | 2:18.91     | NICOLAS GRANGER   | FRA | 2015 | 4:44.70     | KEVIN J DOHERTY   | USA | 2019 |
| 8:41.60      | RICARDO VALDIVIA  | USA | 2013 | 2:20.41     | ALBERTO MONTINI   | ITA | 2013 |             |                   |     |      |
| 8:41.87      | IGOR PIOVESAN     | ITA | 2019 | 2:21.39     | KURT GROTE        | USA | 2019 | *****       |                   |     |      |
| 8:42.76      | KAI DITZEL        | GER | 2008 | 2:21.56     | BYRON SHEFCHIK    | USA | 2019 | M E N 50-54 |                   |     |      |
| 8:42.85      | KEITH SWITZER     | USA | 2010 | 2:21.92     | HAJIME MORIMOTO   | JPN | 2013 | *****       |                   |     |      |
| 1500 M. FREE |                   |     |      | 2:22.43     | CALEB LANGEAAN    | AUS | 2022 | 50 M. FREE  |                   |     |      |
| 16:08.41     | NICOLA NISATO     | ITA | 2023 | 2:22.68     | GLENN MILLS       | USA | 2008 | 23.36       | CHRIS FYDLER      | AUS | 2022 |
| 16:13.34     | FABIO CALMASINI   | ITA | 2015 | 2:23.30     | VLADISLAV BRAGIN  | RUS | 2016 | 23.38       | ROWDY GAINES      | USA | 2009 |
| 16:28.63     | MICHAEL KLEIBER   | GER | 2008 | 2:23.74     | DAVID GUTHRIE     | USA | 2009 | 23.66       | EIJI NOMURA       | JPN | 2022 |
| 16:37.25     | KEITH SWITZER     | USA | 2011 | 50 M. FLY   |                   |     |      | 23.80       | JOAKIM HOLMQUIST  | SWE | 2019 |
| 16:38.92     | NICOLAS GRANGER   | FRA | 2015 | 24.38       | EIJI NOMURA       | JPN | 2017 | 23.90       | MIKHAIL GROMOV    | RUS | 2023 |
| 16:39.68     | IGOR PIOVESAN     | ITA | 2019 | 24.79       | ADRIAN MARTINEZ   | ESP | 2023 | 23.95       | PAUL CLEMENCE     | GBR | 2022 |
| 16:43.02     | MARCUS MATTIOLI   | BRA | 2006 | 24.93       | MASATERU IKEDA    | JPN | 2017 | 23.96       | BRENT BARNES      | JPN | 2010 |
| 16:51.21     | JIM MCCONICA      | USA | 1999 | 25.03       | MARC ALLAN        | RSA | 2023 | 23.97       | FRANK GRUNER      | GER | 2022 |
| 16:52.13     | B.BORDONALI       | ITA | 2007 | 25.08       | FREDERIC TONUS    | BEL | 2019 | 24.02       | NICOLAS GRANGER   | FRA | 2017 |
| 16:52.24     | MIKE SHAFFER      | USA | 2010 | 25.15       | MARCIN KACZMAREK  | POL | 2022 | 24.07       | VLADIMIR PREDKIN  | RUS | 2019 |
| 50 M. BACK   |                   |     |      | 25.19       | STEFAN HERBST     | GER | 2023 | 100 M. FREE |                   |     |      |
| 25.73        | MARCIN KACZMAREK  | POL | 2022 | 25.40       | RAVIL NAGAEV      | RUS | 2019 | 51.49       | NICOLAS GRANGER   | FRA | 2017 |
| 26.23        | ALEKSANDR SHILIN  | RUS | 2021 | 25.41       | ISAMU TSUZUKI     | JPN | 2020 | 51.61       | ROWDY GAINES      | USA | 2009 |
| 26.29        | BEN HARKIN        | GBR | 2023 | 25.43       | FERNANDO FARRERES | ESP | 2021 | 53.09       | FRANK GRUNER      | GER | 2021 |
| 26.44        | LUIS LAERA        | ARG | 2018 | 100 M. FLY  |                   |     |      | 53.40       | ISAMU TSUZUKI     | JPN | 2023 |
| 26.60        | DANIEL LONNBERG   | SWE | 2017 | 55.07       | EIJI NOMURA       | JPN | 2018 | 53.43       | EIJI NOMURA       | JPN | 2023 |
| 26.62        | YOSHITAKA MARUI   | JPN | 2022 | 55.57       | ISAMU TSUZUKI     | JPN | 2020 | 53.87       | BOB BUGG          | USA | 2009 |
| 26.62        | EDILSON JUNIOR    | BRA | 2015 | 56.01       | HIDEAKI HARA      | JPN | 2020 | 53.92       | STEVE HILTABIDDLE | USA | 2018 |
| 26.67        | MIKHAIL GROMOV    | RUS | 2022 | 56.37       | NICOLAS GRANGER   | FRA | 2016 | 53.99       | PAUL CLEMENCE     | GBR | 2021 |
| 26.87        | SHINYA HAYASHI    | JPN | 2023 | 56.57       | BEN HARKIN        | GBR | 2023 | 54.09       | HASSE NILSSON     | SWE | 2019 |
| 27.01        | CHUCK BARNES      | USA | 2023 | 56.60       | MASATERU IKEDA    | JPN | 2017 | 54.14       | MIKHAIL GROMOV    | RUS | 2023 |
| 27.01        | IVAN SOSTARIC     | AUT | 2019 | 56.65       | TOMOHIRO NAKANO   | JPN | 2019 | 200 M. FREE |                   |     |      |
| 100 M. BACK  |                   |     |      | 56.78       | DEKE BOTSFORD     | CAN | 2012 | 1:53.78     | NICOLAS GRANGER   | FRA | 2017 |
| 57.00        | CHRIS STEVENSON   | USA | 2009 | 57.00       | CHUCK BARNES      | USA | 2022 | 1:54.61     | ROWDY GAINES      | USA | 2011 |
| 57.52        | LUIS LAERA        | ARG | 2018 | 57.15       | FERNANDO FARRERES | ESP | 2021 | 1:56.75     | BOB BUGG          | USA | 2009 |
| 57.76        | MARCIN KACZMAREK  | POL | 2022 | 200 M. FLY  |                   |     |      | 1:57.37     | DAVID SIMS        | USA | 2014 |
| 57.79        | SHINYA HAYASHI    | JPN | 2023 | 2:05.00     | EIJI NOMURA       | JPN | 2020 | 1:57.76     | FRANK GRUNER      | GER | 2022 |
| 57.95        | BEN HARKIN        | GBR | 2023 | 2:06.40     | DENNIS BAKER      | USA | 2006 | 1:58.37     | JIM MCCONICA      | USA | 2000 |
| 57.96        | DANIEL LONNBERG   | SWE | 2017 | 2:07.50     | FERNANDO FARRERES | ESP | 2021 | 1:58.59     | FREDERIC TONUS    | LUX | 2023 |
| 57.98        | TAKUMA YAMAOKA    | JPN | 2023 | 2:08.17     | NICOLAS GRANGER   | FRA | 2016 | 1:59.46     | JARL INGE MELBERG | NOR | 2020 |
| 58.20        | HIROYOSHI MAETOGE | JPN | 2010 | 2:09.06     | WILLIAM SPECHT    | USA | 2003 | 1:59.54     | DINO SCHORN       | ITA | 2019 |
| 58.33        | JEFF P COMMINGS   | USA | 2019 | 2:09.58     | MARCUS MATTIOLI   | BRA | 2006 | 1:59.92     | ISAMU TSUZUKI     | JPN | 2023 |
| 58.45        | NICOLAS GRANGER   | FRA | 2013 | 2:09.65     | CHRIS STEVENSON   | USA | 2009 | 400 M. FREE |                   |     |      |
| 200 M. BACK  |                   |     |      | 2:09.80     | CLAUS IVERSEN     | DEN | 2022 | 4:04.48     | NICOLAS GRANGER   | FRA | 2017 |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|          |                   |          |         |                   |          |             |                   |          |
|----------|-------------------|----------|---------|-------------------|----------|-------------|-------------------|----------|
| 4:07.99  | JIM MCCONICA      | USA 2000 | 30.05   | SPINADIN PIANCA   | ITA 2020 | 2:13.50     | DAVID SIMS        | USA 2014 |
| 4:12.12  | BOB BUGG          | USA 2009 | 100 M.  | BRST              |          | 2:14.50     | SCOTT HEBER       | USA 2016 |
| 4:12.33  | FABIO CALMASINI   | ITA 2018 | 1:03.59 | HIDEAKI TOGO      | JPN 2023 | 2:14.53     | KEN SHILLING      | USA 2008 |
| 4:12.88  | LARS KALENKA      | GER 2023 | 1:03.76 | STEVE WEST        | USA 2023 | 2:15.16     | HAJIME MORIMOTO   | JPN 2019 |
| 4:13.01  | MARCUS MATTIOLI   | BRA 2011 | 1:04.28 | NICOLAS GRANGER   | FRA 2017 | 2:15.16     | TAIHEI SAKA       | JPN 2014 |
| 4:14.12  | FRANK GRUNER      | GER 2022 | 1:04.54 | DAVID GUTHRIE     | USA 2013 | 400 M.      | I.M.              |          |
| 4:14.65  | GREG STREPPPEL    | CAN 2019 | 1:04.59 | VLADISLAV BRAGIN  | RUS 2022 | 4:29.33     | NICOLAS GRANGER   | FRA 2017 |
| 4:16.37  | BARTON WELLS      | USA 2017 | 1:05.56 | CARLO TRAVAINI    | ITA 2017 | 4:45.15     | JEROME FRENTSOS   | USA 2015 |
| 4:17.25  | ANDREW BRAY       | USA 2011 | 1:06.00 | HAJIME MORIMOTO   | JPN 2021 | 4:46.15     | FRANK GRUNER      | GER 2022 |
| 800 M.   | FREE              |          | 1:06.19 | FRANK GRUNER      | GER 2022 | 4:48.02     | MARCUS MATTIOLI   | BRA 2011 |
| 8:36.30  | FABIO CALMASINI   | ITA 2018 | 1:06.25 | MAKOTO ONODERA    | JPN 2017 | 4:48.84     | GREG STREPPPEL    | CAN 2019 |
| 8:44.00  | DINO SCHORN       | ITA 2018 | 1:06.60 | SPINADIN PIANCA   | ITA 2020 | 4:49.34     | TAIHEI SAKA       | JPN 2014 |
| 8:44.51  | JIM MCCONICA      | USA 2000 | 200 M.  | BRST              |          | 4:49.43     | KURT GROTE        | USA 2023 |
| 8:46.78  | BRENT FOSTER      | NZL 2018 | 2:19.36 | NICOLAS GRANGER   | FRA 2018 | 4:49.49     | DAVID SIMS        | USA 2014 |
| 8:49.64  | LARS KALENKA      | GER 2023 | 2:19.98 | HIDEAKI TOGO      | JPN 2023 | 4:50.38     | EIJI NOMURA       | JPN 2022 |
| 8:49.96  | ANDREW BRAY       | USA 2011 | 2:21.65 | DAVID GUTHRIE     | USA 2013 | 4:51.57     | JAMIE FOWLER      | USA 2009 |
| 8:53.48  | MARK DRENNEN      | USA 2006 | 2:22.60 | VLADISLAV BRAGIN  | RUS 2022 | *****       |                   |          |
| 8:54.48  | GREG STREPPPEL    | CAN 2019 | 2:27.06 | IAN SWIFT         | GBR 2023 | M E N 55-59 |                   |          |
| 8:54.56  | BARTON WELLS      | USA 2017 | 2:27.13 | HAJIME MORIMOTO   | JPN 2018 | *****       |                   |          |
| 8:54.83  | JASCHA HASSON     | FRA 2022 | 2:27.28 | CARLO TRAVAINI    | ITA 2017 | 50 M.       | FREE              |          |
| 1500 M.  | FREE              |          | 2:28.02 | ALBERTO MONTINI   | ITA 2018 | 24.37       | CALVIN MAUGHAN    | SWE 2019 |
| 16:23.40 | FABIO CALMASINI   | ITA 2020 | 2:28.94 | SHUJI AZUMA       | JPN 2017 | 24.51       | BRENT BARNES      | JPN 2015 |
| 16:33.02 | JIM MCCONICA      | USA 2000 | 2:29.00 | ALEXEY PLEKHANOV  | RUS 2018 | 24.57       | MICHAEL HODGSON   | GBR 2023 |
| 16:52.78 | ANDREW BRAY       | USA 2011 | 50 M.   | FLY               |          | 24.66       | STEVE WOOD        | USA 2015 |
| 16:53.04 | JEFF ERWIN        | USA 2016 | 24.96   | EIJI NOMURA       | JPN 2022 | 24.70       | PAUL TREVISAN     | USA 2006 |
| 16:57.60 | MICHAEL KLEIBER   | GER 2013 | 25.40   | MIKHAIL GROMOV    | RUS 2023 | 24.82       | HIROSHI MIURA     | JPN 2023 |
| 16:58.99 | BRENT FOSTER      | NZL 2017 | 25.45   | MASATERU IKEDA    | JPN 2023 | 24.88       | STEVE HILTABIDDLE | USA 2021 |
| 17:03.45 | MARCUS MATTIOLI   | BRA 2011 | 25.49   | DAN THOMPSON      | CAN 2009 | 24.91       | JACK GROSELLE     | USA 2009 |
| 17:07.36 | GREG STREPPPEL    | CAN 2019 | 25.74   | STEVE HILTABIDDLE | USA 2018 | 24.97       | LARS RENNEN       | GER 2023 |
| 17:11.44 | BARTON WELLS      | USA 2017 | 25.85   | FREDERIC TONUS    | BEL 2023 | 24.98       | JERRY KOLLROSS    | USA 2017 |
| 17:13.75 | MIKE SHAFFER      | USA 2016 | 25.94   | NICOLAS GRANGER   | FRA 2018 | 100 M.      | FREE              |          |
| 50 M.    | BACK              |          | 26.00   | SCOTT HEBER       | USA 2016 | 54.32       | CALVIN MAUGHAN    | SWE 2019 |
| 25.30    | ROBERTO ESTESO    | ESP 2019 | 26.04   | FRITZ BEDFORD     | USA 2014 | 54.50       | JACK GROSELLE     | USA 2009 |
| 26.06    | MIKHAIL GROMOV    | RUS 2023 | 26.10   | PETER S MOORE     | USA 2022 | 54.86       | NAKKAS AHMET      | TUR 2017 |
| 26.69    | FRITZ BEDFORD     | USA 2015 | 100 M.  | FLY               |          | 55.06       | NICOLAS GRANGER   | FRA 2023 |
| 26.83    | PETER MOORE       | USA 2023 | 55.85   | EIJI NOMURA       | JPN 2022 | 55.07       | LARS RENNEN       | GER 2023 |
| 27.13    | LARS KALENKA      | GER 2023 | 56.78   | NICOLAS GRANGER   | FRA 2018 | 55.12       | PAUL TREVISAN     | USA 2006 |
| 27.29    | PETER S MOORE     | USA 2022 | 57.25   | MASATERU IKEDA    | JPN 2022 | 55.14       | STEVE WOOD        | USA 2017 |
| 27.43    | NICOLAS GRANGER   | FRA 2017 | 57.29   | PAUL CARTER       | USA 2007 | 55.29       | STEVE HILTABIDDLE | USA 2021 |
| 27.51    | WILLIAM WEAVER    | USA 2023 | 57.36   | FREDERIC TONUS    | LUX 2023 | 55.31       | MICHAEL HODGSON   | GBR 2023 |
| 27.51    | SERKAN ATASAY     | TUR 2022 | 57.94   | WILLIAM WEAVER    | USA 2023 | 55.40       | MICHAEL SODERLUND | USA 2018 |
| 27.66    | CRAIG NORREY      | SUI 2011 | 58.30   | DAVID SIMS        | USA 2012 | 200 M.      | FREE              |          |
| 100 M.   | BACK              |          | 58.46   | MIKHAIL GROMOV    | RUS 2023 | 1:59.08     | MICHAEL MANN      | USA 2009 |
| 57.95    | NICOLAS GRANGER   | FRA 2017 | 58.76   | MARIO LLORET      | ESP 2009 | 2:00.06     | NICOLAS GRANGER   | FRA 2023 |
| 58.47    | FRITZ BEDFORD     | USA 2015 | 58.86   | JAN BIDRMAN       | CAN 2016 | 2:01.77     | DINO SCHORN       | ITA 2023 |
| 59.79    | HIROYOSHI MAETOGE | JPN 2015 | 200 M.  | FLY               |          | 2:03.33     | HIROSHI MIURA     | JPN 2023 |
| 59.90    | LARS KALENKA      | GER 2023 | 2:07.66 | EIJI NOMURA       | JPN 2023 | 2:03.40     | S.D'ALESSANDRO    | ITA 1995 |
| 59.92    | STEVE WOOD        | USA 2011 | 2:08.05 | NICOLAS GRANGER   | FRA 2017 | 2:03.41     | STEVEN L UNRUH    | USA 2021 |
| 1:00.25  | FRANK GRUNER      | GER 2022 | 2:10.52 | MIKE SHAFFER      | USA 2016 | 2:03.46     | GIAN LUCA SONDALI | ITA 2022 |
| 1:00.38  | JAMIE FOWLER      | USA 2009 | 2:11.15 | MARCUS MATTIOLI   | BRA 2014 | 2:03.47     | CARLO TRAVAINI    | ITA 2019 |
| 1:00.59  | WILLIAM WEAVER    | USA 2023 | 2:11.70 | DAVID SIMS        | USA 2012 | 2:03.56     | JACK GROSELLE     | USA 2009 |
| 1:00.70  | YOSHINORI IWASAKI | JPN 2022 | 2:12.38 | TOSHIYUKI IBE     | JPN 2020 | 2:03.64     | JAMES MCCONICA    | USA 2005 |
| 1:01.47  | EDWIN VAN NORDEN  | NED 2014 | 2:12.41 | DENNIS BAKER      | USA 2011 | 400 M.      | FREE              |          |
| 200 M.   | BACK              |          | 2:12.54 | WILLIAM SPECHT    | USA 2009 | 4:16.03     | MICHAEL MANN      | USA 2009 |
| 2:07.13  | NICOLAS GRANGER   | FRA 2017 | 2:12.90 | HUGO BREGMAN      | NED 2010 | 4:19.83     | DINO SCHORN       | ITA 2023 |
| 2:10.00  | LARS KALENKA      | GER 2023 | 2:13.06 | MAURO CAPPELLETTI | ITA 2015 | 4:20.46     | BRENT FOSTER      | NZL 2022 |
| 2:11.84  | JAMIE FOWLER      | USA 2009 | 100 M.  | I.M.              |          | 4:21.40     | FABIO CALMASINI   | ITA 2023 |
| 2:12.68  | YOSHINORI IWASAKI | JPN 2022 | 57.69   | NICOLAS GRANGER   | FRA 2017 | 4:21.72     | BARTON S WELLS    | USA 2022 |
| 2:13.02  | LUCA VIGNERI      | ITA 2017 | 59.26   | FRANK GRUNER      | GER 2023 | 4:22.69     | PAUL LEMMON       | AUS 2022 |
| 2:13.05  | WIESLAW MUSIAL    | CAN 2009 | 59.47   | SERKAN ATASAY     | TUR 2022 | 4:23.30     | GIAN LUCA SONDALI | ITA 2022 |
| 2:14.03  | TOM WOLF          | USA 2004 | 59.87   | ISAMU TSUZUKI     | JPN 2023 | 4:24.19     | KURT DICKSON      | USA 2022 |
| 2:14.34  | LEN GUSHE         | CAN 2013 | 1:00.57 | SCOTT HEBER       | USA 2016 | 4:24.48     | LUCA DI IACOVO    | ITA 2022 |
| 2:14.50  | KURT DICKSON      | USA 2018 | 1:00.76 | MICHAEL HODGSON   | GBR 2019 | 4:24.92     | JIM MCCONICA      | USA 2006 |
| 2:14.62  | FRANK GRUNER      | GER 2022 | 1:00.86 | WILLIAM WEAVER    | USA 2023 | 800 M.      | FREE              |          |
| 50 M.    | BRST              |          | 1:00.96 | DAVID SIMS        | USA 2012 | 8:51.34     | MICHAEL MANN      | USA 2009 |
| 28.72    | HIDEAKI TOGO      | JPN 2023 | 1:01.20 | SHUJI AZUMA       | JPN 2017 | 8:59.27     | BRENT FOSTER      | NZL 2022 |
| 28.80    | STEVE WEST        | USA 2023 | 1:01.21 | JOHN LANDRETH     | USA 2022 | 9:01.47     | BARTON S WELLS    | USA 2022 |
| 29.71    | CARLO TRAVAINI    | ITA 2017 | 1:01.21 | JEROME FRENTSOS   | USA 2015 | 9:03.00     | JIM MCCONICA      | USA 2006 |
| 29.79    | JOAKIM HOLMQUIST  | SWE 2019 | 200 M.  | I.M.              |          | 9:05.58     | FABIO CALMASINI   | ITA 2023 |
| 29.82    | VLADISLAV BRAGIN  | RUS 2021 | 2:06.38 | NICOLAS GRANGER   | FRA 2018 | 9:07.40     | G.SCARAMEL        | ITA 2008 |
| 29.82    | NICOLAS GRANGER   | FRA 2018 | 2:11.97 | FRANK GRUNER      | GER 2021 | 9:08.43     | LUCA DI IACOVO    | ITA 2022 |
| 29.84    | DAVID GUTHRIE     | USA 2013 | 2:12.85 | JEROME FRENTSOS   | USA 2015 | 9:08.48     | PAUL LEMMON       | AUS 2022 |
| 29.95    | MICHAEL HODGSON   | GBR 2017 | 2:13.18 | KURT GROTE        | USA 2023 | 9:10.25     | KURT DICKSON      | USA 2022 |
| 29.97    | YASUHIRO KOMORI   | JPN 2023 | 2:13.40 | JAMIE FOWLER      | USA 2009 |             |                   |          |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|                           |          |                           |          |                          |          |
|---------------------------|----------|---------------------------|----------|--------------------------|----------|
| 9:10.62 PETER DIXON       | GBR 2023 | 2:33.79 TIMOTHY SHEAD     | USA 2009 | 50 M. FREE               |          |
| 1500 M. FREE              |          | 2:35.30 DAVE TOWN         | CAN 2016 | 24.90 RICH ABRAHAMS      | USA 2006 |
| 16:59.70 BRENT FOSTER     | NZL 2022 | 2:35.73 G.HOFFMANN        | USA 2012 | 25.26 BRENT BARNES       | JPN 2018 |
| 17:07.13 FABIO CALMASINI  | ITA 2023 | 2:35.92 GREGORY HARRIS    | USA 2018 | 25.37 AHMET NAKKAS       | TUR 2023 |
| 17:14.15 JAMES MCCONICA   | USA 2005 | 50 M. FLY                 |          | 25.38 DAVID EMERSON      | GBR 2023 |
| 17:21.15 BARTON S WELLS   | USA 2022 | 26.41 LARS RENNER         | GER 2023 | 25.39 DAN THOMPSON       | CAN 2017 |
| 17:22.42 PETER DIXON      | GBR 2023 | 26.43 STEVE HILTABIDDLE   | USA 2021 | 25.40 PAUL TREVISAN      | USA 2012 |
| 17:35.21 TOD SPIEKER      | USA 2003 | 26.45 DAN THOMPSON        | CAN 2013 | 25.49 GARY TAYLOR        | GBR 2023 |
| 17:35.99 MICHAEL KLEIBER  | GER 2018 | 26.51 HIROSHI MIURA       | JPN 2023 | 25.58 DOUG MARTIN        | USA 2013 |
| 17:37.46 LUCA DI IACOVO   | ITA 2023 | 26.55 FRITZ BEDFORD       | USA 2018 | 25.59 JACK GROSELLE      | USA 2014 |
| 17:37.80 MIKE G SHAFFER   | USA 2022 | 26.63 MICHAEL HODGSON     | GBR 2023 | 25.87 MARC MIDDLETON     | USA 2012 |
| 17:43.34 KURT DICKSON     | USA 2022 | 26.67 STEVE WOOD          | USA 2015 | 100 M. FREE              |          |
| 50 M. BACK                |          | 26.74 KAZUHIKO YAMAKAWA   | JPN 2023 | 55.73 AHMET NAKKAS       | TUR 2023 |
| 27.62 STEVE WOOD          | USA 2015 | 26.80 BRUCE KONE          | USA 2015 | 55.87 JACK GROSELLE      | USA 2014 |
| 27.86 FRITZ BEDFORD       | USA 2018 | 26.85 DAVID EMERSON       | GBR 2019 | 56.63 RICH ABRAHAMS      | USA 2008 |
| 27.96 CRAIG NORREY        | SUI 2016 | 100 M. FLY                |          | 56.72 MARK REYNOLDS      | GBR 2023 |
| 28.77 SHUJI AZUMA         | JPN 2022 | 59.11 MARK WELDON         | NZL 2023 | 56.90 JAMES RITTER       | USA 2016 |
| 28.81 JAN BIDRMAN         | CAN 2023 | 59.42 LARS RENNER         | GER 2023 | 56.95 CARLO TRAVAINI     | ITA 2023 |
| 28.95 THOMAS DOCKHORN     | GER 2023 | 59.52 NICOLAS GRANGER     | FRA 2023 | 57.23 DAN STEPHENSON     | USA 2017 |
| 28.97 HIROYOSHI MAETOGE   | JPN 2022 | 59.57 JAN BIDRMAN         | CAN 2023 | 57.47 DAVID EMERSON      | GBR 2022 |
| 29.01 TOM BARTON          | USA 2012 | 59.80 DAN THOMPSON        | CAN 2013 | 57.61 PAUL TREVISAN      | USA 2012 |
| 29.02 HIROSHI SHIBUYA     | JPN 2015 | 1:00.10 DAVID SIMS        | USA 2017 | 57.67 DAN THOMPSON       | CAN 2017 |
| 29.07 PHILIPP DJANG       | USA 2009 | 1:00.13 BRYAN TATTERSON   | RSA 2019 | 200 M. FREE              |          |
| 100 M. BACK               |          | 1:00.35 GREG SHAW         | USA 2006 | 2:01.65 RICK COLELLA     | USA 2015 |
| 1:00.78 FRITZ BEDFORD     | USA 2018 | 1:00.42 SHUJI AZUMA       | JPN 2023 | 2:05.07 JACK GROSELLE    | USA 2014 |
| 1:00.84 STEVE WOOD        | USA 2015 | 1:00.58 HUGO BREGMAN      | NED 2013 | 2:05.16 AHMET NAKKAS     | TUR 2023 |
| 1:02.26 MARCO COLOMBO     | ITA 2015 | 200 M. FLY                |          | 2:06.01 CARLO TRAVAINI   | ITA 2023 |
| 1:02.38 JAMIE FOWLER      | USA 2014 | 2:15.97 HUGO BREGMAN      | NED 2013 | 2:06.50 DAN STEPHENSON   | USA 2017 |
| 1:02.55 ALESSIO GERMANI   | ITA 2023 | 2:16.86 DAVID SIMS        | USA 2017 | 2:07.22 JAMES RITTER     | USA 2016 |
| 1:02.63 HIROSHI SHIBUYA   | JPN 2016 | 2:18.62 MARCUS MATTIOLI   | BRA 2017 | 2:07.37 J.CARLOS VALLEJO | ESP 2023 |
| 1:02.72 HIROYOSHI MAETOGE | JPN 2023 | 2:19.02 MARC GEORG VAUPEL | GER 2018 | 2:07.57 MARK REYNOLDS    | GBR 2023 |
| 1:03.29 TOM BARTON        | USA 2011 | 2:19.72 JOHN CRAIG        | USA 2009 | 2:07.96 LARRY KRAUSER    | USA 2013 |
| 1:03.68 EDWIN VAN NORDEN  | NED 2018 | 2:19.88 LEN GUSHE         | CAN 2018 | 2:08.21 MARCUS MATTIOLI  | BRA 2023 |
| 1:03.73 THOMAS DOCKHORN   | GER 2023 | 2:19.91 MIKE G SHAFFER    | USA 2022 | 400 M. FREE              |          |
| 200 M. BACK               |          | 2:20.24 ARNALDO PEREZ     | PUR 2021 | 4:27.52 ARNALDO PEREZ    | PUR 2023 |
| 2:12.29 EDUARDO MAROCCO   | BRA 2023 | 2:20.81 MAURO CAPPELLETTI | ITA 2022 | 4:29.83 AHMET NAKKAS     | TUR 2022 |
| 2:14.22 ALESSIO GERMANI   | ITA 2023 | 2:21.90 GREG SHAW         | USA 2007 | 4:29.92 DAN STEPHENSON   | USA 2017 |
| 2:15.37 LEN GUSHE         | CAN 2018 | 100 M. I.M.               |          | 4:29.95 J.CARLOS VALLEJO | ESP 2023 |
| 2:15.79 JAMIE FOWLER      | USA 2014 | 1:00.75 MIKE IRVIN        | USA 2023 | 4:31.91 JAMES RITTER     | USA 2017 |
| 2:17.04 TOM BARTON        | USA 2011 | 1:01.28 MICHAEL HODGSON   | GBR 2023 | 4:33.32 CARLO TRAVAINI   | ITA 2023 |
| 2:17.21 KURT DICKSON      | USA 2022 | 1:01.28 JEROME A FRENTSOS | USA 2021 | 4:35.15 JACK GROSELLE    | USA 2014 |
| 2:17.22 NICOLAS GRANGER   | FRA 2023 | 1:01.31 CARLO TRAVAINI    | ITA 2019 | 4:35.39 JIM MC CONICA    | USA 2012 |
| 2:18.37 MICHAEL SODERLUND | USA 2018 | 1:01.65 SHUJI AZUMA       | JPN 2022 | 4:35.79 A.MARCO          | ITA 2017 |
| 2:19.42 PHILIPP DJANG     | USA 2009 | 1:01.76 STEVE WOOD        | USA 2015 | 4:36.84 ANDERS HAGLUND   | SWE 2021 |
| 2:19.54 PAUL LEMMON       | AUS 2022 | 1:01.94 MARK WELDON       | NZL 2023 | 800 M. FREE              |          |
| 50 M. BRST                |          | 1:02.68 HAJIME MORIMOTO   | JPN 2023 | 9:07.78 ARNALDO PEREZ    | PUR 2022 |
| 29.22 CARLO TRAVAINI      | ITA 2020 | 1:03.13 MARCO COLOMBO     | ITA 2015 | 9:14.50 ANDREW BRAY      | USA 2018 |
| 30.37 DAVID GUTHRIE       | USA 2016 | 1:03.14 JAMIE FOWLER      | USA 2014 | 9:25.24 PAUL BLACKBEARD  | AUS 2019 |
| 30.50 WALTER KUSCH        | GER 2009 | 200 M. I.M.               |          | 9:25.89 K.DELLBRUGGE     | GER 2022 |
| 30.55 MAKOTO ONODERA      | JPN 2022 | 2:14.15 NICOLAS GRANGER   | FRA 2023 | 9:28.01 DAN STEPHENSON   | USA 2017 |
| 30.62 MICHAEL HODGSON     | GBR 2023 | 2:14.60 JEROME A FRENTSOS | USA 2020 | 9:28.32 JIM MC CONICA    | USA 2012 |
| 30.71 HAJIME MORIMOTO     | JPN 2023 | 2:15.99 CARLO TRAVAINI    | ITA 2019 | 9:30.11 J.CARLOS VALLEJO | ESP 2023 |
| 30.85 ALEKSEY PLEKHANOV   | RUS 2023 | 2:16.44 MICHAEL MANN      | USA 2009 | 9:30.45 AHMET NAKKAS     | TUR 2022 |
| 31.30 PAVEL LEBEDEV       | RUS 2023 | 2:16.98 DAVE TOWN         | CAN 2016 | 9:34.18 MARCUS MATTIOLI  | BRA 2021 |
| 31.45 JENS LUTSCHIN       | GER 2019 | 2:18.19 JAN BIDRMAN       | CAN 2023 | 9:34.74 ALESSANDRO BRAVI | ITA 2017 |
| 31.46 STEFFEN SCHMOLKE    | GER 2022 | 2:18.37 DAVID SIMS        | USA 2017 | 1500 M. FREE             |          |
| 100 M. BRST               |          | 2:18.51 HAJIME MORIMOTO   | JPN 2023 | 17:34.51 ARNALDO A PEREZ | USA 2022 |
| 1:04.26 CARLO TRAVAINI    | ITA 2019 | 2:18.60 SHUJI AZUMA       | JPN 2022 | 17:53.29 ANDREW BRAY     | USA 2018 |
| 1:06.72 HAJIME MORIMOTO   | JPN 2023 | 2:18.69 JAMIE FOWLER      | USA 2014 | 18:04.59 AHMET NAKKAS    | TUR 2022 |
| 1:06.80 DAVID GUTHRIE     | USA 2016 | 400 M. I.M.               |          | 18:07.65 BRUCE THOMAS    | USA 2017 |
| 1:07.63 MAKOTO ONODERA    | JPN 2022 | 4:49.86 BRENT FOSTER      | NZL 2022 | 18:23.61 MICHAEL KLEIBER | GER 2023 |
| 1:07.71 MICHAEL HODGSON   | GBR 2022 | 4:51.97 MICHAEL MANN      | USA 2009 | 18:24.21 JIM MC CONICA   | USA 2010 |
| 1:08.13 WALTER KUSCH      | GER 2009 | 4:56.22 NICOLAS GRANGER   | FRA 2023 | 18:28.64 JIM CLEMMONS    | USA 2010 |
| 1:08.31 ALEKSEY PLEKHANOV | RUS 2023 | 4:58.95 CARLO TRAVAINI    | ITA 2018 | 18:34.32 FERNANDO TELLEZ | ESP 2023 |
| 1:09.65 BENJAMIN V.D. WEL | USA 2020 | 4:59.24 MARCO TENDERINI   | ITA 2023 | 18:35.51 GLENN CARLSEN   | CAN 2017 |
| 1:09.68 C.COENEY          | USA 2017 | 5:00.03 JEROME A FRENTSOS | USA 2021 | 18:43.41 ANDERS HAGLUND  | SWE 2021 |
| 1:09.86 TSUYOSHI KATO     | JPN 2022 | 5:00.10 PAUL LEMMON       | AUS 2022 | 50 M. BACK               |          |
| 200 M. BRST               |          | 5:00.54 JIM SAUER         | USA 2012 | 29.44 JAMIE FOWLER       | USA 2019 |
| 2:22.91 CARLO TRAVAINI    | ITA 2018 | 5:02.33 PATRICK BRUNDAGE  | CAN 2022 | 29.64 PHILIPP DJANG      | USA 2014 |
| 2:27.00 DAVID GUTHRIE     | USA 2015 | 5:03.37 LEN GUSHE         | CAN 2018 | 29.77 CRAIG NORREY       | SUI 2022 |
| 2:29.89 HAJIME MORIMOTO   | JPN 2023 |                           |          | 29.86 TOM BARTON         | USA 2016 |
| 2:30.38 SHUJI AZUMA       | JPN 2022 | *****                     |          | 29.89 BRUCE KONE         | USA 2018 |
| 2:31.53 MAKOTO ONODERA    | JPN 2022 | M E N 60-64               |          | 30.05 FRANCISCO AMOROS   | ESP 2019 |
| 2:32.15 JEROME A FRENTSOS | USA 2021 | *****                     |          | 30.18 A.EGIDO GARCIA     | ESP 2023 |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)

|             |                  |     |      |             |                   |     |      |              |                   |     |      |
|-------------|------------------|-----|------|-------------|-------------------|-----|------|--------------|-------------------|-----|------|
| 30.27       | JONATHAN KLEIN   | USA | 2017 | 1:03.38     | MIKE LAMONICA     | USA | 2020 | 1:00.10      | PAUL TREVISAN     | USA | 2016 |
| 30.29       | DIRK SZYMKOWIAK  | GER | 2022 | 1:03.67     | TAKEO HIRAMOTO    | JPN | 2010 | 1:00.22      | JAMES H RITTER    | USA | 2022 |
| 30.31       | HIROSHI SHIBUYA  | JPN | 2022 | 1:03.76     | RICH ABRAHAMS     | USA | 2006 | 1:00.37      | LEONARD BIELICZ   | SWE | 2016 |
| 100 M. BACK |                  |     |      | 1:04.05     | JACK GROSELLE     | USA | 2014 | 200 M. FREE  |                   |     |      |
| 1:03.15     | JAMIE FOWLER     | USA | 2019 | 1:04.21     | MARC GEORG VAUPEL | GER | 2023 | 2:07.46      | DAN STEPHENSON    | USA | 2022 |
| 1:04.13     | TOM BARTON       | USA | 2016 | 1:04.27     | DONALD GRAHAM     | USA | 2015 | 2:07.56      | RICK COLELLA      | USA | 2016 |
| 1:05.46     | Z.JANUSZKIEWICZ  | POL | 2022 | 1:04.47     | GREG SHAW         | USA | 2011 | 2:11.82      | JACK R GROSELLE   | USA | 2019 |
| 1:05.62     | PHILIPP DJANG    | USA | 2014 | 200 M. FLY  |                   |     |      | 2:13.84      | JAMES THORNTON    | USA | 2017 |
| 1:05.68     | RASTISLAV PAVLOK | SVK | 2020 | 2:20.27     | HUGO BREGMAN      | NED | 2018 | 2:14.82      | TIM BRODERICK     | USA | 2016 |
| 1:06.18     | SHINJI ITOU      | JPN | 2023 | 2:22.62     | ARNALDO PEREZ     | PUR | 2023 | 2:15.39      | DAVID QUIGGIN     | USA | 2009 |
| 1:06.27     | TIMOTHY SHEAD    | USA | 2012 | 2:23.29     | RICK COLELLA      | USA | 2015 | 2:15.98      | JAMES RITTER      | USA | 2023 |
| 1:06.30     | JONATHAN KLEIN   | USA | 2017 | 2:25.28     | CARLO TRAVAINI    | ITA | 2023 | 2:16.03      | GLENN GRUBER      | USA | 2014 |
| 1:06.48     | MARCO COLOMBO    | ITA | 2020 | 2:26.10     | MARC GEORG VAUPEL | GER | 2023 | 2:16.27      | KEEFE LODWIG      | USA | 2008 |
| 1:06.54     | HIROSHI SHIBUYA  | JPN | 2022 | 2:26.87     | MARCUS MATTIOLI   | BRA | 2023 | 2:16.28      | JOHN FIELDS       | USA | 2023 |
| 1:06.54     | ALEC JOHNSON     | GBR | 2022 | 2:27.42     | GREG SANCHEZ      | USA | 2019 | 2:16.28      | J.CHATARD         | FRA | 2016 |
| 200 M. BACK |                  |     |      | 2:28.62     | MIKE LAMONICA     | USA | 2021 | 400 M. FREE  |                   |     |      |
| 2:17.15     | JAMIE FOWLER     | USA | 2019 | 2:29.40     | SCOTT LAUTMAN     | USA | 2012 | 4:27.91      | RICK COLELLA      | USA | 2017 |
| 2:20.38     | TOM BARTON       | USA | 2016 | 2:29.50     | HIDEYUKI TANABE   | JPN | 2022 | 4:40.20      | DAN STEPHENSON    | USA | 2022 |
| 2:23.12     | Z.JANUSZKIEWICZ  | POL | 2022 | 100 M. I.M. |                   |     |      | 4:45.88      | JIM MC CONICA     | USA | 2015 |
| 2:23.73     | LEN GUSHE        | CAN | 2023 | 1:03.20     | CARLO TRAVAINI    | ITA | 2023 | 4:48.79      | JEFFREY BOATRIGHT | USA | 2018 |
| 2:23.90     | DAN STEPHENSON   | USA | 2017 | 1:04.21     | SHINJI ITOU       | JPN | 2023 | 4:48.96      | SERGE GUERIN      | FRA | 2022 |
| 2:24.79     | DJAN MADRUGA     | BRA | 2021 | 1:04.23     | RICK COLELLA      | USA | 2015 | 4:50.72      | MARTEN DE GROOT   | NED | 2023 |
| 2:26.09     | A.BONANNI        | ITA | 2023 | 1:05.26     | AHMET NAKKAS      | TUR | 2023 | 4:51.48      | AKIRA IIDA        | JPN | 2019 |
| 2:26.24     | CARLO TRAVAINI   | ITA | 2023 | 1:05.53     | TIMOTHY SHEAD     | USA | 2012 | 4:51.84      | JACK R GROSELLE   | USA | 2019 |
| 2:26.30     | PHILIPP DJANG    | USA | 2014 | 1:05.83     | DAVID GUTHRIE     | USA | 2023 | 4:52.89      | RICK WALKER       | USA | 2015 |
| 2:26.38     | VLADIMIR GORKOV  | RUS | 2017 | 1:06.10     | JACK GROSELLE     | USA | 2014 | 4:53.03      | DAN KIRKLAND      | USA | 2015 |
| 50 M. BRST  |                  |     |      | 1:06.30     | MARK REYNOLDS     | GBR | 2023 | 800 M. FREE  |                   |     |      |
| 29.77       | CARLO TRAVAINI   | ITA | 2023 | 1:06.42     | GREGORY OXLEY     | USA | 2018 | 9:26.94      | RICK COLELLA      | USA | 2019 |
| 31.42       | DAVID GUTHRIE    | USA | 2023 | 1:06.53     | TAKEO HIRAMOTO    | JPN | 2010 | 9:53.06      | JIM MC CONICA     | USA | 2015 |
| 31.51       | RICK COLELLA     | USA | 2015 | 200 M. I.M. |                   |     |      | 9:54.31      | DJAN MADRUGA      | BRA | 2023 |
| 32.16       | STUART ELLICOTT  | AUS | 2012 | 2:19.31     | CARLO TRAVAINI    | ITA | 2023 | 9:58.48      | MARTEN DE GROOT   | NED | 2023 |
| 32.20       | MARCO VEILLEUX   | CAN | 2023 | 2:19.96     | RICK COLELLA      | USA | 2015 | 10:03.53     | DAN STEPHENSON    | USA | 2022 |
| 32.31       | ROBERT STRAND    | USA | 2009 | 2:23.30     | JAMIE FOWLER      | USA | 2019 | 10:04.64     | SERGE GUERIN      | FRA | 2022 |
| 32.42       | SHINJI ITOU      | JPN | 2023 | 2:23.92     | SHINJI ITOU       | JPN | 2023 | 10:04.77     | PATRICK MOREAU    | FRA | 2017 |
| 32.43       | DAVID BRYANT     | GBR | 2023 | 2:24.56     | ARNALDO PEREZ     | USA | 2022 | 10:05.03     | DAN KIRKLAND      | USA | 2014 |
| 32.44       | OLIVIER BORIOS   | FRA | 2019 | 2:24.75     | JACK GROSELLE     | USA | 2014 | 10:05.56     | GLENN CARLSEN     | CAN | 2022 |
| 32.45       | TIMOTHY SHEAD    | USA | 2012 | 2:24.91     | MARK REYNOLDS     | GBR | 2023 | 10:06.58     | RICK WALKER       | USA | 2015 |
| 100 M. BRST |                  |     |      | 2:25.76     | AHMET NAKKAS      | TUR | 2022 | 1500 M. FREE |                   |     |      |
| 1:06.05     | CARLO TRAVAINI   | ITA | 2023 | 2:25.92     | LEN GUSHE         | CAN | 2023 | 18:26.04     | DJAN MADRUGA      | BRA | 2023 |
| 1:08.24     | DAVID GUTHRIE    | USA | 2022 | 2:25.98     | TIMOTHY SHEAD     | USA | 2012 | 18:53.75     | JIM MC CONICA     | USA | 2015 |
| 1:09.92     | RICK COLELLA     | USA | 2015 | 400 M. I.M. |                   |     |      | 19:02.50     | GLENN CARLSEN     | CAN | 2022 |
| 1:11.08     | TIMOTHY SHEAD    | USA | 2012 | 5:04.54     | RICK COLELLA      | USA | 2011 | 19:09.50     | JAMES H RITTER    | USA | 2021 |
| 1:11.09     | MARCO VEILLEUX   | CAN | 2023 | 5:04.79     | ARNALDO PEREZ     | PUR | 2023 | 19:17.63     | PATRICK MOREAU    | FRA | 2017 |
| 1:11.23     | SHINJI ITOU      | JPN | 2023 | 5:05.11     | CARLO TRAVAINI    | ITA | 2023 | 19:19.65     | LARRY KRAUSER     | USA | 2018 |
| 1:12.09     | ROBERT STRAND    | USA | 2009 | 5:12.43     | LEN GUSHE         | CAN | 2023 | 19:23.83     | RICK WALKER       | USA | 2015 |
| 1:12.18     | AHMET NAKKAS     | TUR | 2022 | 5:15.31     | HUGO BREGMAN      | NED | 2018 | 19:29.25     | MARTEN DE GROOT   | NED | 2023 |
| 1:12.38     | JACK GROSELLE    | USA | 2014 | 5:17.31     | JACK GROSELLE     | USA | 2014 | 19:31.11     | JIM CLEMMONS      | USA | 2015 |
| 1:12.43     | DAVID BRYANT     | GBR | 2021 | 5:20.26     | MARCUS MATTIOLI   | BRA | 2023 | 19:32.78     | TOM LANDIS        | USA | 2007 |
| 200 M. BRST |                  |     |      | 5:20.37     | TITO MORALES      | USA | 2019 | 50 M. BACK   |                   |     |      |
| 2:26.52     | CARLO TRAVAINI   | ITA | 2023 | 5:20.60     | LORENZO MARUGO    | ITA | 2012 | 30.34        | HUGH WILDER       | USA | 2012 |
| 2:32.34     | DAVID M GUTHRIE  | USA | 2021 | 5:22.27     | DAN STEPHENSON    | USA | 2018 | 31.10        | VLADIMIR GORKOV   | RUS | 2022 |
| 2:37.61     | RICK COLELLA     | USA | 2011 | *****       |                   |     |      | 31.54        | J.DELAPORTE       | FRA | 2022 |
| 2:37.87     | TIMOTHY SHEAD    | USA | 2012 | M E N 65-69 |                   |     |      | 31.61        | PHILIPP DJANG     | USA | 2019 |
| 2:39.62     | MARCO VEILLEUX   | CAN | 2023 | *****       |                   |     |      | 31.64        | RICHARD BURNS     | USA | 2008 |
| 2:40.34     | SERGE SCORE      | CAN | 2022 | 50 M. FREE  |                   |     |      | 31.77        | TAKEO HIRAMOTO    | JPN | 2016 |
| 2:40.76     | ROBERT STRAND    | USA | 2009 | 25.42       | DOUG MARTIN       | USA | 2018 | 31.91        | PIERRE BAEHR      | FRA | 2019 |
| 2:42.27     | SERGEY MOLODIN   | RUS | 2019 | 25.62       | RICHARD ABRAHAMS  | USA | 2012 | 31.93        | BRUCE KONE        | USA | 2023 |
| 2:42.62     | RICHARD LOCKHART | NZL | 2023 | 26.00       | BRENT BARNES      | JPN | 2023 | 31.98        | JONATHAN KLEIN    | USA | 2023 |
| 2:43.53     | LORENZO MARUGO   | ITA | 2012 | 26.41       | MARC MIDDLETON    | USA | 2016 | 32.12        | IGOR KRAVCOV      | ISR | 2023 |
| 50 M. FLY   |                  |     |      | 26.65       | JACK R GROSELLE   | USA | 2019 | 100 M. BACK  |                   |     |      |
| 26.78       | DAN THOMPSON     | CAN | 2017 | 26.67       | LEONARD BIELICZ   | SWE | 2016 | 1:07.09      | JONATHAN E KLEIN  | USA | 2022 |
| 27.05       | DAVID EMERSON    | GBR | 2022 | 26.68       | PAUL TREVISAN     | USA | 2016 | 1:07.69      | HUGH WILDER       | USA | 2012 |
| 27.40       | BRUCE C KONE     | USA | 2019 | 26.68       | KEEFE LODWIG      | USA | 2008 | 1:08.55      | PHILIPP DJANG     | USA | 2019 |
| 27.53       | DONALD GRAHAM    | USA | 2014 | 26.73       | VINUS VAN BAALEN  | CAN | 2007 | 1:08.62      | VLADIMIR GORKOV   | RUS | 2022 |
| 27.82       | HUGO BREGMAN     | NED | 2019 | 26.77       | BRUCE KONE        | USA | 2023 | 1:08.90      | TOM WOLF          | USA | 2023 |
| 27.87       | RICHARD ABRAHAMS | USA | 2008 | 100 M. FREE |                   |     |      | 1:09.41      | DJAN MADRUGA      | BRA | 2023 |
| 28.05       | CARLO TRAVAINI   | ITA | 2023 | 57.78       | JACK R GROSELLE   | USA | 2019 | 1:09.47      | J.DELAPORTE       | FRA | 2022 |
| 28.22       | DOUG MARTIN      | USA | 2013 | 58.08       | DAN STEPHENSON    | USA | 2022 | 1:10.02      | HUGO BREGMAN      | NED | 2023 |
| 28.26       | MARC MIDDLETON   | USA | 2013 | 58.19       | RICK COLELLA      | USA | 2016 | 1:10.16      | RICHARD BURNS     | USA | 2009 |
| 28.30       | TAKEO HIRAMOTO   | JPN | 2010 | 58.58       | RICHARD ABRAHAMS  | USA | 2012 | 1:10.52      | JAMES H RITTER    | USA | 2022 |
| 100 M. FLY  |                  |     |      | 59.40       | DAVID QUIGGIN     | USA | 2009 | 200 M. BACK  |                   |     |      |
| 1:00.20     | DAN THOMPSON     | CAN | 2016 | 59.60       | KEEFE LODWIG      | USA | 2008 | 2:28.43      | DAN STEPHENSON    | USA | 2022 |
| 1:01.38     | HUGO BREGMAN     | NED | 2018 | 59.94       | JAMES THORNTON    | USA | 2018 | 2:29.06      | JAMES H RITTER    | USA | 2022 |
| 1:02.76     | MARCUS MATTIOLI  | BRA | 2023 |             |                   |     |      | 2:30.13      | VLADIMIR GORKOV   | RUS | 2022 |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)

|             |                   |     |      |             |                   |     |      |              |                   |     |      |
|-------------|-------------------|-----|------|-------------|-------------------|-----|------|--------------|-------------------|-----|------|
| 2:30.92     | TOM WOLF          | USA | 2019 | 1:05.43     | RICK COLELLA      | USA | 2016 | 5:05.47      | DAVID QUIGGIN     | USA | 2014 |
| 2:31.16     | LAWRENCE DAY      | USA | 2018 | 1:08.72     | HUGO BREGMAN      | NED | 2023 | 5:07.58      | PATRICK MOREAU    | FRA | 2022 |
| 2:31.38     | JAMES RITTER      | USA | 2023 | 1:08.95     | GREGORY OXLEY     | USA | 2023 | 5:09.68      | MARK MODJESKA     | USA | 2023 |
| 2:32.43     | BRUCE YOUNG       | USA | 2022 | 1:09.09     | JACK R GROSELLE   | USA | 2019 | 5:09.75      | GRAHAM JOHNSTON   | USA | 2002 |
| 2:33.00     | JONATHAN E KLEIN  | USA | 2022 | 1:09.38     | TIMOTHY SHEAD     | RSA | 2017 | 5:10.68      | HUBIE KERNS       | USA | 2019 |
| 2:33.95     | BOB THOMAS        | USA | 2018 | 1:09.90     | HUBIE KERNS       | USA | 2014 | 5:10.83      | RICHARD BAUGHMAN  | USA | 2023 |
| 2:34.93     | ALEK SHESTAKOV    | USA | 2014 | 1:10.14     | IGOR KRAVKOV      | ISR | 2023 | 5:11.89      | ABED OUADAH       | FRA | 2023 |
| 50 M. BRST  |                   |     |      | 1:10.26     | ROBERT STRAND     | USA | 2012 | 800 M. FREE  |                   |     |      |
| 32.50       | RICK COLELLA      | USA | 2016 | 1:10.42     | RICHARD ABRAHAMS  | USA | 2010 | 9:36.64      | RICK COLELLA      | USA | 2022 |
| 32.72       | RICHARD NEVILLE   | USA | 2021 | 1:10.47     | AKIRA IIDA        | JPN | 2019 | 10:17.73     | DAN KIRKLAND      | USA | 2018 |
| 33.28       | BRUCE KONE        | USA | 2023 | 200 M. I.M. |                   |     |      | 10:32.27     | PATRICK MOREAU    | FRA | 2022 |
| 33.31       | RANDY J PARKER    | USA | 2019 | 2:20.35     | RICK COLELLA      | USA | 2018 | 10:41.30     | MARK MODJESKA     | USA | 2023 |
| 33.72       | GREGORY OXLEY     | USA | 2023 | 2:30.80     | TIMOTHY SHEAD     | RSA | 2017 | 10:47.93     | RICK B WALKER     | USA | 2020 |
| 33.72       | STUART ELLICOTT   | AUS | 2017 | 2:30.96     | LAWRENCE DAY      | USA | 2016 | 10:51.85     | EDDIE RIACH       | GBR | 2023 |
| 33.74       | YOSHIHIDE KAGAMI  | JPN | 2023 | 2:32.25     | HUGO BREGMAN      | NED | 2023 | 10:52.68     | GRAHAM JOHNSTON   | USA | 2001 |
| 33.79       | WALTER KUSCH      | GER | 2020 | 2:33.30     | JACK R GROSELLE   | USA | 2019 | 10:52.78     | RICK WALKER       | USA | 2023 |
| 33.86       | OSAMU MAEDA       | JPN | 2010 | 2:34.15     | HUBIE KERNS       | USA | 2014 | 10:56.19     | HUBIE KERNS       | USA | 2019 |
| 33.88       | PERE BALCELLS     | ESP | 2019 | 2:34.30     | BRUCE YOUNG       | USA | 2023 | 10:56.26     | JIM CLEMMONS      | USA | 2022 |
| 100 M. BRST |                   |     |      | 2:34.64     | ALEK SHESTAKOV    | USA | 2014 | 1500 M. FREE |                   |     |      |
| 1:11.82     | RICK COLELLA      | USA | 2019 | 2:35.36     | ANDY DYER         | USA | 2023 | 18:29.71     | RICK COLELLA      | USA | 2022 |
| 1:14.03     | TIMOTHY SHEAD     | RSA | 2017 | 2:35.64     | DAN STEPHENSON    | USA | 2023 | 19:46.94     | DAN L KIRKLAND    | USA | 2019 |
| 1:14.06     | YOSHIHIDE KAGAMI  | JPN | 2023 | 2:35.64     | GREG SANCHEZ      | USA | 2022 | 20:02.86     | RICK B WALKER     | USA | 2020 |
| 1:15.49     | GREGORY OXLEY     | USA | 2023 | 400 M. I.M. |                   |     |      | 20:24.09     | RICHARD BAUGHMAN  | USA | 2023 |
| 1:15.67     | RANDY J PARKER    | USA | 2019 | 5:03.34     | RICK COLELLA      | USA | 2017 | 20:24.30     | MARK MODJESKA     | USA | 2023 |
| 1:15.69     | STUART ELLICOTT   | AUS | 2017 | 5:27.66     | HUGO BREGMAN      | NED | 2023 | 20:39.98     | JIM CLEMMONS      | USA | 2022 |
| 1:15.81     | RICHARD NEVILLE   | USA | 2021 | 5:27.85     | DAN STEPHENSON    | USA | 2022 | 20:42.57     | HUBIE KERNS       | USA | 2019 |
| 1:15.84     | ROBERT STRAND     | USA | 2012 | 5:30.80     | GREG SANCHEZ      | USA | 2023 | 20:43.23     | EDWARD BELL       | USA | 2023 |
| 1:16.09     | GLEN CHRISTIANSEN | ESP | 2022 | 5:32.88     | PATRICK MOREAU    | FRA | 2017 | 20:45.27     | EDDIE RIACH       | GBR | 2023 |
| 1:16.34     | C.STARZEC         | FRA | 2015 | 5:34.07     | JACK R GROSELLE   | USA | 2019 | 20:45.67     | G.SCARAMEL        | ITA | 2022 |
| 200 M. BRST |                   |     |      | 5:34.78     | HUBIE KERNS       | USA | 2014 | 50 M. BACK   |                   |     |      |
| 2:36.85     | RICK COLELLA      | USA | 2017 | 5:34.91     | ALEK SHESTAKOV    | USA | 2014 | 32.57        | BRUCE WILLIAMS    | USA | 2023 |
| 2:48.26     | TIMOTHY SHEAD     | RSA | 2017 | 5:37.06     | FRANKLIN M HALLEY | USA | 2022 | 32.77        | TONY GAYFORD      | NZL | 2017 |
| 2:49.05     | ROBERT STRAND     | USA | 2012 | 5:37.22     | J.LESTIDEAU       | FRA | 2011 | 33.09        | HUGH WILDER       | USA | 2017 |
| 2:49.34     | YOSHIHIDE KAGAMI  | JPN | 2023 | *****       |                   |     |      | 33.17        | ALISTAIR COCKBURN | USA | 2023 |
| 2:51.24     | S.KATKEVICIUS     | LTU | 2023 | M E N 70-74 |                   |     |      | 33.51        | RICHARD BURNS     | USA | 2013 |
| 2:52.86     | GERARD HOFFMANN   | USA | 2021 | *****       |                   |     |      | 33.53        | J-C LESTIDEAU     | ESP | 2016 |
| 2:53.10     | TIMUR PODMARYOV   | RUS | 2023 | 50 M. FREE  |                   |     |      | 33.73        | LAWRENCE J DAY    | USA | 2022 |
| 2:53.41     | ANDY RITCHIE      | CAN | 2023 | 26.88       | RICHARD ABRAHAMS  | USA | 2015 | 33.90        | YOSHI OYAKAWA     | USA | 2003 |
| 2:53.44     | ALLEN STARK       | USA | 2014 | 26.89       | DOUG MARTIN       | USA | 2023 | 34.15        | VINUS VAN BAALLEN | CAN | 2012 |
| 2:53.55     | C.STARZEC         | FRA | 2016 | 27.62       | BRUCE WILLIAMS    | USA | 2023 | 34.27        | MARC D MIDDLETON  | USA | 2021 |
| 50 M. FLY   |                   |     |      | 27.70       | JEFF FARRELL      | USA | 2008 | 100 M. BACK  |                   |     |      |
| 27.94       | DAN THOMPSON      | CAN | 2023 | 27.94       | MARC D MIDDLETON  | USA | 2021 | 1:11.49      | LAWRENCE J DAY    | USA | 2021 |
| 28.42       | HUGO BREGMAN      | NED | 2023 | 28.08       | FUMIO SHIGENO     | JPN | 2019 | 1:12.09      | RICHARD BURNS     | USA | 2013 |
| 28.58       | BRUCE KONE        | USA | 2023 | 28.23       | VINUS VAN BAALLEN | CAN | 2012 | 1:12.23      | HUGH WILDER       | USA | 2017 |
| 28.65       | DOUG MARTIN       | USA | 2018 | 28.25       | GLENN A GRUBER    | USA | 2019 | 1:13.32      | J-C LESTIDEAU     | ESP | 2016 |
| 28.91       | JOSEP CLARET      | ESP | 2009 | 28.28       | PETER BERGENGREN  | SWE | 2008 | 1:14.31      | BARRY YOUNG       | NZL | 2009 |
| 28.99       | RICHARD ABRAHAMS  | USA | 2010 | 28.31       | IAN SMITH         | CAN | 2011 | 1:14.98      | STEVE GROSSMAN    | GBR | 2023 |
| 29.05       | MARC MIDDLETON    | USA | 2016 | 100 M. FREE |                   |     |      | 1:15.08      | BERND HORSTMANN   | GER | 2012 |
| 29.11       | ISAMU SHIBAZAKI   | JPN | 2022 | 1:01.70     | BRUCE WILLIAMS    | USA | 2023 | 1:15.34      | DAN KIRKLAND      | USA | 2018 |
| 29.17       | A.MARKOVSKIY      | RUS | 2022 | 1:01.70     | RICHARD ABRAHAMS  | USA | 2015 | 1:15.68      | STEVEN V HECK     | USA | 2019 |
| 29.18       | JIM DRAGON        | USA | 2009 | 1:02.87     | DAVID QUIGGIN     | USA | 2014 | 1:15.85      | YOSHI OYAKAWA     | USA | 2003 |
| 100 M. FLY  |                   |     |      | 1:03.25     | GLENN A GRUBER    | USA | 2019 | 200 M. BACK  |                   |     |      |
| 1:03.85     | HUGO BREGMAN      | NED | 2023 | 1:03.33     | JEFF FARRELL      | USA | 2007 | 2:34.96      | LAWRENCE J DAY    | USA | 2021 |
| 1:04.82     | DAN THOMPSON      | CAN | 2023 | 1:03.91     | ABED OUADAH       | FRA | 2023 | 2:38.01      | RICHARD BURNS     | USA | 2013 |
| 1:05.37     | LAWRENCE DAY      | USA | 2016 | 1:04.17     | LEE CHILDS        | USA | 2018 | 2:40.17      | BARRY YOUNG       | NZL | 2009 |
| 1:05.84     | RICK COLELLA      | USA | 2019 | 1:04.47     | ANDREW MCPHERSON  | USA | 2017 | 2:41.22      | DAN KIRKLAND      | USA | 2018 |
| 1:05.90     | JOSEP CLARET      | ESP | 2009 | 1:04.45     | ROBERT H WILSON   | USA | 2021 | 2:41.35      | ALEK I SHESTAKOV  | USA | 2019 |
| 1:06.57     | JACK R GROSELLE   | USA | 2019 | 1:04.57     | RICHARD BURNS     | USA | 2013 | 2:41.72      | STEVE GROSSMAN    | GBR | 2023 |
| 1:06.60     | RICHARD ABRAHAMS  | USA | 2010 | 200 M. FREE |                   |     |      | 2:45.25      | J.LESTIDEAU       | FRA | 2017 |
| 1:06.72     | SEIICHI YARITA    | JPN | 2022 | 2:10.97     | RICK COLELLA      | USA | 2021 | 2:47.30      | EDDIE RIACH       | GBR | 2023 |
| 1:07.58     | DAN STEPHENSON    | USA | 2022 | 2:19.63     | DAN KIRKLAND      | USA | 2018 | 2:47.34      | PATRICK MOREAU    | SUI | 2022 |
| 1:07.61     | KEVIN MCCORMACK   | USA | 2017 | 2:22.60     | DAVID QUIGGIN     | USA | 2014 | 2:47.36      | HUGH WILDER       | USA | 2017 |
| 200 M. FLY  |                   |     |      | 2:23.30     | RICHARD ABRAHAMS  | USA | 2015 | 50 M. BRST   |                   |     |      |
| 2:22.90     | HUGO BREGMAN      | NED | 2023 | 2:23.53     | RICK B WALKER     | USA | 2021 | 33.54        | RICK COLELLA      | USA | 2021 |
| 2:25.35     | RICK COLELLA      | USA | 2017 | 2:23.84     | ABED OUADAH       | FRA | 2022 | 34.04        | STUART ELLICOTT   | AUS | 2022 |
| 2:27.35     | LAWRENCE DAY      | USA | 2016 | 2:24.04     | EDWARD BORSUK     | USA | 2023 | 35.53        | DIETER HOFEL      | GER | 2016 |
| 2:31.58     | GREG SANCHEZ      | USA | 2022 | 2:24.08     | GLENN A GRUBER    | USA | 2019 | 35.85        | YOSHIHIKO OSAKI   | JPN | 2009 |
| 2:32.49     | KAZUHIRO OTSUKA   | JPN | 2021 | 2:24.12     | PATRICK MOREAU    | FRA | 2022 | 35.97        | ROBERT STRAND     | USA | 2016 |
| 2:33.77     | TAKEO HIRAMOTO    | JPN | 2015 | 2:24.31     | GRAHAM JOHNSTON   | USA | 2001 | 36.15        | DOUGLAS SPRINGER  | USA | 2016 |
| 2:36.77     | DJAN MADRUGA      | BRA | 2023 | 400 M. FREE |                   |     |      | 36.16        | DAVID GILDEA      | USA | 2013 |
| 2:38.71     | ROBERT POILETMAN  | USA | 2008 | 4:46.78     | RICK COLELLA      | USA | 2022 | 36.28        | TOSHIHARU FUJII   | JPN | 2021 |
| 2:41.64     | DEREK PARR        | GBR | 2009 | 4:56.95     | DAN KIRKLAND      | USA | 2018 | 36.44        | CRAIG OTTERSEN    | USA | 2023 |
| 2:41.88     | JOHN B CHAMBERS   | USA | 2020 | 5:05.30     | RICK B WALKER     | USA | 2020 | 36.58        | HISASHI DOI       | JPN | 2018 |
| 100 M. I.M. |                   |     |      |             |                   |     |      | 100 M. BRST  |                   |     |      |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|             |                   |     |      |              |                   |     |      |             |                   |     |      |
|-------------|-------------------|-----|------|--------------|-------------------|-----|------|-------------|-------------------|-----|------|
| 1:13.04     | RICK COLELLA      | USA | 2021 | 2:44.94      | LEE CHILDS        | USA | 2018 | 20:39.50    | DAVID RADCLIFF    | USA | 2009 |
| 1:17.42     | STUART ELLICOTT   | AUS | 2022 | 2:45.13      | TIM BRODERICK     | USA | 2021 | 21:55.35    | TADANOBU YAMADA   | JPN | 2018 |
| 1:19.04     | DOUGLAS SPRINGER  | USA | 2016 | 400 M. I.M.  |                   |     |      | 22:15.88    | TONY RALPHS       | USA | 2018 |
| 1:20.76     | ROBERT STRAND     | USA | 2016 | 5:46.48      | PATRICK MOREAU    | FRA | 2022 | 22:24.07    | BOB BRUCE         | USA | 2023 |
| 1:20.82     | TOSHIHARU FUJII   | JPN | 2021 | 5:47.41      | LAWRENCE J DAY    | USA | 2022 | 22:25.81    | DAVID QUIGGIN     | USA | 2019 |
| 1:21.41     | DAVID GILDEA      | USA | 2013 | 5:48.15      | ALEK I SHESTAKOV  | USA | 2019 | 22:27.75    | GRAHAM JOHNSTON   | USA | 2006 |
| 1:21.59     | CRAIG OTTERSEN    | USA | 2023 | 5:48.67      | BARRY YOUNG       | NZL | 2009 | 22:28.06    | BURWELL JONES     | USA | 2008 |
| 1:21.70     | HISASHI DOI       | JPN | 2018 | 5:57.68      | J.LESTIDEAU       | FRA | 2016 | 22:52.00    | HIROSHI YOSHIMURA | JPN | 2003 |
| 1:21.86     | CRAIG M OTTERSEN  | USA | 2022 | 5:59.34      | HUBIE KERNS       | USA | 2019 | 23:18.51    | JOAQUIN CANALES   | ESP | 2015 |
| 1:22.17     | ALLEN L STARK     | USA | 2019 | 6:03.92      | STEVEN V HECK     | USA | 2019 | 50 M. BACK  |                   |     |      |
| 200 M. BRST |                   |     |      | 6:04.55      | DOUGLAS SPRINGER  | USA | 2016 | 33.87       | RICHARD BURNS     | USA | 2018 |
| 2:45.56     | RICK COLELLA      | USA | 2023 | 6:06.40      | PHIL DODSON       | USA | 2023 | 35.51       | YOSHI OYAKAWA     | USA | 2008 |
| 2:55.87     | ROBERT STRAND     | USA | 2016 | 6:07.39      | PAUL WYATT        | AUS | 2016 | 35.88       | DIETER SEIFERT    | GER | 2023 |
| 2:55.98     | STUART ELLICOTT   | AUS | 2022 |              |                   |     |      | 35.93       | BURWELL JONES     | USA | 2009 |
| 2:59.36     | TOSHIHARU FUJII   | JPN | 2020 | *****        |                   |     |      | 36.24       | JOZSEF CSIKANY    | HUN | 2020 |
| 2:59.41     | DOUGLAS SPRINGER  | USA | 2016 | M E N 75-79  |                   |     |      | 36.41       | BERND HORSTMANN   | GER | 2018 |
| 3:01.22     | BARRY YOUNG       | NZL | 2009 | *****        |                   |     |      | 36.58       | S.SEKIKAWA        | JPN | 2008 |
| 3:01.92     | NORIAKI TSUJI     | JPN | 2016 | 50 M. FREE   |                   |     |      | 36.68       | CLARKE MITCHELL   | USA | 2007 |
| 3:03.44     | HUBIE KERNS       | USA | 2019 | 28.70        | RICHARD ABRAHAMS  | USA | 2021 | 36.85       | GERHARD WIELAND   | AUT | 2019 |
| 3:04.51     | DAVID GILDEA      | USA | 2013 | 28.93        | DAVID QUIGGIN     | USA | 2019 | 36.94       | JOAQUIN CANALES   | ESP | 2015 |
| 3:05.27     | HANS REICHELT     | GER | 2007 | 29.47        | GERHARD WIELAND   | AUT | 2019 | 100 M. BACK |                   |     |      |
| 50 M. FLY   |                   |     |      | 29.90        | MIKE FRESHLEY     | USA | 2016 | 1:14.03     | RICHARD BURNS     | USA | 2019 |
| 29.52       | RICHARD ABRAHAMS  | USA | 2015 | 30.13        | IAN SMITH         | CAN | 2016 | 1:18.29     | JOZSEF CSIKANY    | HUN | 2018 |
| 30.01       | LAWRENCE J DAY    | USA | 2022 | 30.15        | DAVID RADCLIFF    | USA | 2009 | 1:18.47     | BURWELL JONES     | USA | 2009 |
| 30.03       | DOUG MARTIN       | USA | 2023 | 30.21        | AKIRA FUJIMAKI    | JPN | 2018 | 1:18.84     | DIETER SEIFERT    | GER | 2023 |
| 30.09       | MARC D MIDDLETON  | USA | 2021 | 30.29        | NEIL MACKINNON    | GBR | 2016 | 1:19.05     | DAN KIRKLAND      | USA | 2023 |
| 30.30       | RICK COLELLA      | USA | 2023 | 30.48        | HIROSHI MARUYAMA  | JPN | 2017 | 1:20.16     | YOSHI OYAKAWA     | USA | 2008 |
| 30.95       | LEE CHILDS        | USA | 2018 | 30.49        | LEE CHILDS        | USA | 2023 | 1:20.66     | S.SEKIKAWA        | JPN | 2009 |
| 30.96       | JIM DRAGON        | USA | 2014 | 100 M. FREE  |                   |     |      | 1:21.65     | BERND HORSTMANN   | GER | 2018 |
| 31.10       | BRUCE WILLIAMS    | USA | 2023 | 1:04.80      | DAVID QUIGGIN     | USA | 2019 | 1:22.02     | JOAQUIN CANALES   | ESP | 2016 |
| 31.13       | ANDREW MCPHERSON  | USA | 2017 | 1:05.13      | DAVID RADCLIFF    | USA | 2009 | 1:22.06     | MIKE SELNA        | USA | 2023 |
| 31.35       | KENJI NAKAMATSU   | JPN | 2019 | 1:06.36      | AKIRA FUJIMAKI    | JPN | 2018 | 200 M. BACK |                   |     |      |
| 100 M. FLY  |                   |     |      | 1:07.25      | DIETER SEIFERT    | GER | 2023 | 2:44.04     | RICHARD BURNS     | USA | 2018 |
| 1:06.54     | LAWRENCE J DAY    | USA | 2021 | 1:07.34      | MIKE FRESHLEY     | USA | 2016 | 2:46.03     | DAN KIRKLAND      | USA | 2023 |
| 1:07.56     | RICHARD ABRAHAMS  | USA | 2015 | 1:07.75      | RICHARD BURNS     | USA | 2019 | 2:49.20     | BURWELL JONES     | USA | 2009 |
| 1:08.30     | RICK COLELLA      | USA | 2023 | 1:08.02      | RICHARD ABRAHAMS  | USA | 2022 | 2:55.73     | JOZSEF CSIKANY    | HUN | 2020 |
| 1:12.02     | JOSEF CLARET      | ESP | 2014 | 1:08.90      | BURWELL JONES     | USA | 2009 | 2:57.33     | FRED SCHLICHER    | USA | 2023 |
| 1:12.64     | J.LESTIDEAU       | FRA | 2016 | 1:08.94      | LEE CHILDS        | USA | 2023 | 2:58.21     | ROGER FRANKS      | USA | 2002 |
| 1:12.64     | ROBERT POILETMAN  | USA | 2014 | 1:08.97      | HIROSHI MARUYAMA  | JPN | 2017 | 3:00.13     | BERND HORSTMANN   | GER | 2019 |
| 1:12.92     | JACK GOODING      | USA | 2023 | 200 M. FREE  |                   |     |      | 3:00.49     | T.HASHIMOTO       | JPN | 2016 |
| 1:13.49     | ANDREW MCPHERSON  | USA | 2017 | 2:26.87      | DAN KIRKLAND      | USA | 2023 | 3:00.92     | S.SEKIKAWA        | JPN | 2008 |
| 1:13.68     | KOJI IWAMOTO      | JPN | 2013 | 2:26.94      | DAVID QUIGGIN     | USA | 2019 | 3:01.26     | TOSHIKI MIYATA    | JPN | 2023 |
| 1:13.98     | JEFFREY BOATRIGHT | USA | 2023 | 2:27.53      | DAVID RADCLIFF    | USA | 2009 | 50 M. BRST  |                   |     |      |
| 200 M. FLY  |                   |     |      | 2:32.00      | AKIRA FUJIMAKI    | JPN | 2018 | 36.78       | ROBERTO RUGGIERI  | ITA | 2022 |
| 2:45.30     | LAWRENCE J DAY    | USA | 2021 | 2:33.70      | JOEL WILSON       | USA | 2023 | 38.35       | MIKE FRESHLEY     | USA | 2016 |
| 2:51.32     | BARRY YOUNG       | NZL | 2009 | 2:34.44      | DIETER SEIFERT    | GER | 2023 | 38.36       | DOUGLAS SPRINGER  | USA | 2021 |
| 2:52.80     | DOUGLAS SPRINGER  | USA | 2016 | 2:34.61      | FRED SCHLICHER    | USA | 2023 | 38.59       | PETER ANDERSEN    | USA | 2018 |
| 2:53.96     | J.LESTIDEAU       | FRA | 2017 | 2:35.60      | MIKE FRESHLEY     | USA | 2016 | 38.85       | HISASHI DOI       | JPN | 2023 |
| 2:54.08     | HUBIE KERNS       | USA | 2019 | 2:35.71      | TADANOBU YAMADA   | JPN | 2018 | 39.04       | TATSUO NAKAMARU   | JPN | 2010 |
| 2:55.62     | MARK MODJESKA     | USA | 2023 | 2:36.94      | RUDOLF SMERDA     | CZE | 2018 | 39.20       | HANS REICHELT     | GER | 2011 |
| 2:55.66     | ROBERT POILETMAN  | USA | 2013 | 400 M. FREE  |                   |     |      | 39.35       | TATSUO ASAI       | JPN | 2016 |
| 2:56.53     | HIROYUKI YOBICO   | JPN | 2020 | 5:09.95      | DAN KIRKLAND      | USA | 2023 | 39.36       | TONY GOODWIN      | AUS | 2012 |
| 2:56.60     | PHIL DODSON       | USA | 2023 | 5:15.10      | DAVID RADCLIFF    | USA | 2009 | 39.84       | JACK KELSO        | CAN | 2015 |
| 2:57.68     | ROLAND FREYGANG   | GER | 2022 | 5:16.91      | JOEL WILSON       | USA | 2023 | 100 M. BRST |                   |     |      |
| 100 M. I.M. |                   |     |      | 5:30.95      | GERHARD HOLE      | GER | 2012 | 1:24.27     | DOUGLAS SPRINGER  | USA | 2022 |
| 1:06.98     | RICK COLELLA      | USA | 2021 | 5:32.91      | TADANOBU YAMADA   | JPN | 2018 | 1:25.38     | MIKE FRESHLEY     | USA | 2016 |
| 1:11.64     | CARLOS SOLIS      | PUR | 2023 | 5:34.10      | DAVID QUIGGIN     | USA | 2019 | 1:26.76     | HANS REICHELT     | GER | 2011 |
| 1:12.04     | LAWRENCE J DAY    | USA | 2021 | 5:36.32      | IKURO SHIMONO     | JPN | 2012 | 1:26.84     | TONY GOODWIN      | AUS | 2012 |
| 1:12.74     | STEVEN V HECK     | USA | 2019 | 5:40.14      | GRAHAM JOHNSTON   | USA | 2006 | 1:26.87     | MASARU SHINKAI    | JPN | 2016 |
| 1:12.90     | BRUCE WILLIAMS    | USA | 2023 | 5:40.66      | MIKE FRESHLEY     | USA | 2016 | 1:27.03     | ROBERTO RUGGIERI  | ITA | 2022 |
| 1:12.94     | HUBIE KERNS       | USA | 2019 | 5:44.36      | JOAQUIN CANALES   | ESP | 2016 | 1:27.44     | ALAIN LEGRUX      | FRA | 2023 |
| 1:13.09     | RICHARD ABRAHAMS  | USA | 2015 | 800 M. FREE  |                   |     |      | 1:27.65     | HISASHI DOI       | JPN | 2023 |
| 1:13.11     | KAZUYA IRIE       | JPN | 2023 | 10:40.84     | DAN KIRKLAND      | USA | 2023 | 1:27.76     | TETSUO NAKAMARU   | JPN | 2010 |
| 1:13.80     | ROBERT H WILSON   | USA | 2021 | 10:59.10     | DAVID RADCLIFF    | USA | 2009 | 1:28.40     | BELA FABIAN       | HUN | 2013 |
| 1:14.40     | RICHARD BURNS     | USA | 2013 | 11:07.83     | GERHARD HOLE      | GER | 2012 | 200 M. BRST |                   |     |      |
| 200 M. I.M. |                   |     |      | 11:28.93     | TADANOBU YAMADA   | JPN | 2018 | 3:06.82     | MIKE FRESHLEY     | USA | 2016 |
| 2:27.07     | RICK COLELLA      | USA | 2021 | 11:38.56     | BURWELL JONES     | USA | 2008 | 3:09.09     | TONY GOODWIN      | AUS | 2012 |
| 2:37.22     | LAWRENCE J DAY    | USA | 2021 | 11:46.12     | TONY RALPHS       | USA | 2018 | 3:12.80     | MASARU SHINKAI    | JPN | 2015 |
| 2:40.45     | HUBIE KERNS       | USA | 2019 | 11:47.67     | YASUSHI YAMAGUCHI | JPN | 2014 | 3:14.61     | DOUGLAS SPRINGER  | USA | 2022 |
| 2:41.76     | ALEK I SHESTAKOV  | USA | 2019 | 11:56.90     | DAVID QUIGGIN     | USA | 2019 | 3:15.57     | HANS REICHELT     | GER | 2011 |
| 2:42.00     | STEVEN V HECK     | USA | 2019 | 12:00.94     | GRAHAM JOHNSTON   | USA | 2006 | 3:18.03     | PAUL WYATT        | AUS | 2022 |
| 2:42.44     | BARRY YOUNG       | NZL | 2009 | 12:02.87     | HIROSHI YOSHIMURA | JPN | 2004 | 3:19.58     | NORIAKI TSUJI     | JPN | 2021 |
| 2:43.51     | PATRICK MOREAU    | FRA | 2022 | 1500 M. FREE |                   |     |      | 3:19.73     | JOEL WILSON       | USA | 2023 |
| 2:44.81     | RICHARD BURNS     | USA | 2013 | 20:18.58     | DAN KIRKLAND      | USA | 2023 | 3:19.96     | YOSHIKI AOKI      | JPN | 2014 |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|             |                   |     |      |              |                   |     |      |             |                   |     |      |
|-------------|-------------------|-----|------|--------------|-------------------|-----|------|-------------|-------------------|-----|------|
| 3:20.93     | TSUTOMU KAJIHARA  | JPN | 2008 | 31.74        | HIROSHI MATSUMOTO | JPN | 2016 | 39.63       | BERND HORSTMANN   | GER | 2022 |
| 50 M. FLY   |                   |     |      | 31.82        | AKIRA FUJIMAKI    | JPN | 2023 | 100 M. BACK |                   |     |      |
| 32.09       | RICHARD ABRAHAMS  | USA | 2021 | 32.00        | RICHARD BURNS     | USA | 2023 | 1:18.31     | RICHARD BURNS     | USA | 2023 |
| 32.41       | RICHARD BURNS     | USA | 2018 | 32.07        | HELMUT RICHTER    | GER | 2019 | 1:21.74     | JOZSEF CSIKANY    | HUN | 2023 |
| 32.41       | MIKE FRESHLEY     | USA | 2016 | 32.14        | ROBERTO ALBERICHE | ESP | 2013 | 1:23.24     | DAVID COSTILL     | USA | 2017 |
| 32.93       | HIROSHI MATSUMOTO | JPN | 2012 | 32.20        | AKIHIKO EGUCHI    | JPN | 2023 | 1:25.07     | S.SEKIKAWA        | JPN | 2013 |
| 33.03       | LEE CHILDS        | USA | 2023 | 32.61        | KEIJIRO NAKAMURA  | JPN | 2004 | 1:25.77     | KEIJIRO NAKAMURA  | JPN | 2003 |
| 33.18       | Y.FUNAHASHI       | JPN | 2015 | 32.74        | NEIL MACKINNON    | GBR | 2021 | 1:26.12     | BERND HORSTMANN   | GER | 2022 |
| 33.27       | ARAM BOGHOSSIAN   | BRA | 2004 | 32.80        | FRANK PIEMME      | USA | 2005 | 1:27.86     | T.HASHIMOTO       | JPN | 2020 |
| 33.32       | JOSEF CLARET      | ESP | 2019 | 100 M. FREE  |                   |     |      | 1:28.01     | MARTY MENNEN      | USA | 2016 |
| 33.51       | JOEL J BURNS      | USA | 2022 | 1:09.20      | AKIRA FUJIMAKI    | JPN | 2023 | 1:28.01     | YOSHI OYAKAWA     | USA | 2014 |
| 33.53       | PAULO MOTTA       | BRA | 2023 | 1:09.98      | RICHARD BURNS     | USA | 2023 | 1:28.31     | JOAQUIN CANALES   | ESP | 2020 |
| 100 M. FLY  |                   |     |      | 1:11.26      | DAVID RADCLIFF    | USA | 2014 | 200 M. BACK |                   |     |      |
| 1:17.39     | FRED SCHLICHER    | USA | 2023 | 1:12.38      | JEFF FARRELL      | USA | 2017 | 2:56.75     | RICHARD BURNS     | USA | 2023 |
| 1:17.51     | RICHARD ABRAHAMS  | USA | 2022 | 1:12.84      | ROBERTO ALBERICHE | ESP | 2012 | 2:59.39     | JOZSEF CSIKANY    | HUN | 2023 |
| 1:17.59     | RICHARD BURNS     | USA | 2019 | 1:13.32      | HIROSHI MATSUMOTO | JPN | 2016 | 3:07.44     | DAVID COSTILL     | USA | 2017 |
| 1:19.34     | HORST LEHMANN     | GER | 2022 | 1:13.71      | HELMUT RICHTER    | GER | 2019 | 3:10.06     | KEIJIRO NAKAMURA  | JPN | 2003 |
| 1:19.63     | DEREK PARR        | GBR | 2019 | 1:13.91      | MASATO YOSHINO    | JPN | 2018 | 3:11.14     | BERND HORSTMANN   | GER | 2022 |
| 1:20.59     | RUDOLF SMERDA     | CZE | 2018 | 1:14.12      | ROBERT PILGER     | USA | 2023 | 3:11.45     | S.SEKIKAWA        | JPN | 2013 |
| 1:20.59     | KOJI IWAMOTO      | JPN | 2017 | 1:14.48      | JOHN KELSO        | CAN | 2019 | 3:11.91     | T.HASHIMOTO       | JPN | 2020 |
| 1:21.12     | TAISUKE MIYAZAKI  | JPN | 2014 | 200 M. FREE  |                   |     |      | 3:12.01     | MARTY MENNEN      | USA | 2016 |
| 1:21.78     | LEE CHILDS        | USA | 2023 | 2:38.25      | DAVID RADCLIFF    | USA | 2014 | 3:15.61     | GERHARD HOLE      | GER | 2015 |
| 1:23.68     | JOAQUIN CANALES   | ESP | 2016 | 2:43.60      | RICHARD BURNS     | USA | 2023 | 3:17.15     | KARL DONOGHUE     | CAN | 2020 |
| 200 M. FLY  |                   |     |      | 2:44.88      | MASATO YOSHINO    | JPN | 2018 | 50 M. BRST  |                   |     |      |
| 3:09.42     | FRED SCHLICHER    | USA | 2023 | 2:45.24      | ROBERTO ALBERICHE | ESP | 2012 | 41.42       | TOSHIO TAJIMA     | JPN | 2005 |
| 3:10.12     | RUDOLF SMERDA     | CZE | 2019 | 2:46.58      | IKURO SHIMONO     | JPN | 2017 | 41.65       | TONY GOODWIN      | AUS | 2017 |
| 3:13.52     | YASUTAKA KOIKE    | JPN | 2018 | 2:46.61      | WERNER SCHNABEL   | GER | 2016 | 41.71       | BELA FABIAN       | HUN | 2017 |
| 3:13.73     | DOUGLAS SPRINGER  | USA | 2021 | 2:49.39      | HIROSHI MATSUMOTO | JPN | 2016 | 41.80       | ANTONIO ORSELLI   | BRA | 2023 |
| 3:13.98     | DEREK PARR        | GBR | 2019 | 2:52.14      | CAV CAVANAUGH     | USA | 2015 | 42.00       | TATSUO ASAI       | JPN | 2021 |
| 3:14.19     | HORST LEHMANN     | GER | 2022 | 2:52.72      | GERHARD HOLE      | GER | 2015 | 42.20       | MASARU SHINKAI    | JPN | 2022 |
| 3:15.66     | ALBERTO SICA      | ITA | 2022 | 2:54.18      | RICARDO YAMIN     | BRA | 2023 | 42.41       | JOHN KELSO        | CAN | 2019 |
| 3:15.78     | KOJI IWAMOTO      | JPN | 2017 | 400 M. FREE  |                   |     |      | 42.41       | DAVID COSTILL     | USA | 2017 |
| 3:16.99     | TAKASHI HAYASHI   | JPN | 2009 | 5:39.27      | DAVID RADCLIFF    | USA | 2014 | 42.57       | DAVID GILDEA      | USA | 2023 |
| 3:20.21     | KARL DONOGHUE     | CAN | 2019 | 5:51.05      | MASATO YOSHINO    | JPN | 2018 | 42.98       | KOUTAROU YUGAWA   | JPN | 2021 |
| 100 M. I.M. |                   |     |      | 5:56.77      | ROBERTO ALBERICHE | ESP | 2012 | 100 M. BRST |                   |     |      |
| 1:17.55     | MIKE FRESHLEY     | USA | 2016 | 5:59.22      | GIULIO DIVANO     | ITA | 2011 | 1:31.77     | MASARU SHINKAI    | JPN | 2021 |
| 1:17.89     | RICHARD BURNS     | USA | 2018 | 6:00.25      | WERNER SCHNABEL   | GER | 2016 | 1:31.80     | TONY GOODWIN      | AUS | 2017 |
| 1:18.80     | BURWELL JONES     | USA | 2009 | 6:03.16      | TOSABURO HOSOKAWA | JPN | 2015 | 1:31.84     | BELA FABIAN       | HUN | 2017 |
| 1:20.08     | DIETER SEIFERT    | GER | 2023 | 6:04.46      | LAURI MALK        | FIN | 2017 | 1:35.96     | ZENJI NAKAHARI    | JPN | 2008 |
| 1:20.08     | DOUGLAS SPRINGER  | USA | 2022 | 6:04.51      | JOAQUIN CANALES   | ESP | 2020 | 1:36.56     | DAVE NOBLE        | USA | 2023 |
| 1:20.43     | JACK KELSO        | CAN | 2015 | 6:11.38      | WILLIAM LETCH     | GBR | 2020 | 1:36.60     | ANTONIO ORSELLI   | BRA | 2023 |
| 1:20.49     | LEE CHILDS        | USA | 2023 | 6:12.87      | BURWELL JONES     | USA | 2013 | 1:36.60     | TETSUO NAKAMARU   | JPN | 2015 |
| 1:21.18     | ROBERTO RUGGIERI  | ITA | 2022 | 800 M. FREE  |                   |     |      | 1:36.79     | DAVID COSTILL     | USA | 2016 |
| 1:21.25     | KOJI IWAMOTO      | JPN | 2017 | 11:35.71     | DAVID RADCLIFF    | USA | 2014 | 1:36.91     | KARL HAUTER       | GER | 2005 |
| 1:21.42     | ROBERT PATTERSON  | AUS | 2023 | 12:43.58     | BURWELL JONES     | USA | 2013 | 1:37.10     | HANS REICHELT     | GER | 2017 |
| 1:21.42     | DAVID COSTILL     | USA | 2011 | 12:50.20     | JOAQUIN CANALES   | ESP | 2020 | 200 M. BRST |                   |     |      |
| 200 M. I.M. |                   |     |      | 12:50.74     | WERNER SCHNABEL   | GER | 2016 | 3:21.35     | MASARU SHINKAI    | JPN | 2021 |
| 2:50.79     | RICHARD BURNS     | USA | 2018 | 12:50.97     | HIROSHI YOSHIMURA | JPN | 2008 | 3:23.69     | TONY GOODWIN      | AUS | 2017 |
| 2:55.43     | FRED SCHLICHER    | USA | 2023 | 12:54.01     | JOAQUIN MENDOZA   | ESP | 2021 | 3:33.07     | DAVE NOBLE        | USA | 2023 |
| 2:55.45     | MIKE FRESHLEY     | USA | 2016 | 12:57.52     | SALVATORE DEIANA  | ITA | 2023 | 3:34.21     | ZENJI NAKAHARI    | JPN | 2008 |
| 2:59.01     | DOUGLAS SPRINGER  | USA | 2022 | 12:59.22     | ROBERTO ALBERICHE | ESP | 2013 | 3:36.54     | DAVID COSTILL     | USA | 2017 |
| 2:59.26     | BURWELL JONES     | USA | 2009 | 13:01.70     | GRAHAM JOHNSTON   | USA | 2012 | 3:36.62     | MASAMI SHIGETA    | JPN | 2016 |
| 3:00.10     | KOJI IWAMOTO      | JPN | 2017 | 13:02.25     | GIULIO DIVANO     | ITA | 2012 | 3:36.80     | MIKE FRESHLEY     | USA | 2022 |
| 3:00.19     | DIETER SEIFERT    | GER | 2023 | 1500 M. FREE |                   |     |      | 3:37.14     | JOACHIM SCHULZE   | GER | 2020 |
| 3:01.83     | GERSHON SHEFA     | ISR | 2019 | 21:59.53     | DAVID RADCLIFF    | USA | 2014 | 3:38.59     | KAIZO YAMAMOTO    | JPN | 2018 |
| 3:03.21     | JACK KELSO        | CAN | 2015 | 24:23.01     | TOSABURO HOSOKAWA | JPN | 2016 | 3:38.72     | SEIJI KOMAKI      | JPN | 2022 |
| 3:03.33     | LEE CHILDS        | USA | 2023 | 24:30.08     | JOAQUIN MENDOZA   | ESP | 2021 | 50 M. FLY   |                   |     |      |
| 400 M. I.M. |                   |     |      | 24:36.35     | BURWELL JONES     | USA | 2013 | 34.81       | RICHARD BURNS     | USA | 2023 |
| 6:26.09     | RICHARD BURNS     | USA | 2019 | 24:36.75     | GERHARD HOLE      | GER | 2015 | 35.06       | HIROSHI MATSUMOTO | JPN | 2016 |
| 6:29.29     | MIKE FRESHLEY     | USA | 2016 | 24:47.50     | SALVATORE DEIANA  | ITA | 2023 | 36.11       | HELMUT RICHTER    | GER | 2019 |
| 6:29.51     | DAN KIRKLAND      | USA | 2023 | 24:49.15     | TONY RALPHS       | USA | 2023 | 37.09       | NEIL MACKINNON    | GBR | 2021 |
| 6:31.73     | DOUGLAS SPRINGER  | USA | 2021 | 25:07.03     | FRED DE BRUIJM    | ESP | 2018 | 37.41       | YASUTAKA KOIKE    | JPN | 2023 |
| 6:33.07     | KURT FREI         | SUI | 2021 | 25:18.69     | HIROSHI YOSHIMURA | JPN | 2009 | 37.77       | TAKASHI HAYASHI   | JPN | 2013 |
| 6:33.87     | BURWELL JONES     | USA | 2009 | 25:25.94     | GRAHAM JOHNSTON   | USA | 2012 | 38.05       | PETER STRAKA      | CAN | 2023 |
| 6:41.41     | ALBERTO SICA      | ITA | 2022 | 50 M. BACK   |                   |     |      | 38.36       | AKIRA TAKAKURA    | JPN | 2022 |
| 6:41.85     | PAUL WYATT        | AUS | 2021 | 36.01        | RICHARD BURNS     | USA | 2023 | 38.44       | LAURI MALK        | FIN | 2017 |
| 6:51.13     | MASARU SHINKAI    | JPN | 2017 | 37.32        | JOZSEF CSIKANY    | HUN | 2023 | 38.51       | ROBERTO FONTES    | BRA | 2023 |
| 6:52.62     | KARL HAUTER       | GER | 2001 | 37.82        | YOSHI OYAKAWA     | USA | 2014 | 100 M. FLY  |                   |     |      |
|             |                   |     |      | 37.92        | AKIHIKO YABE      | JPN | 2019 | 1:25.21     | RICHARD BURNS     | USA | 2023 |
|             |                   |     |      | 38.15        | S.SEKIKAWA        | JPN | 2013 | 1:29.43     | YASUTAKA KOIKE    | JPN | 2023 |
|             |                   |     |      | 38.26        | KEIJIRO NAKAMURA  | JPN | 2003 | 1:30.06     | MASARU SHINKAI    | JPN | 2020 |
|             |                   |     |      | 38.62        | CLARKE MITCHELL   | USA | 2013 | 1:30.15     | GIULIO DIVANO     | ITA | 2012 |
|             |                   |     |      | 38.67        | HELMUT RICHTER    | GER | 2019 | 1:30.69     | TAKASHI HAYASHI   | JPN | 2013 |
|             |                   |     |      | 39.51        | BURWELL JONES     | USA | 2013 | 1:32.28     | LAURI MALK        | FIN | 2017 |

\*\*\*\*\*  
M E N 80-84  
\*\*\*\*\*

50 M. FREE  
31.25 JEFF FARRELL USA 2017

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|                                    |                                    |                                    |
|------------------------------------|------------------------------------|------------------------------------|
| 1:35.12 HIROSHI MATSUMOTO JPN 2016 | 200 M. FREE                        | 3:49.41 CLARKE MITCHELL USA 2019   |
| 1:35.19 RUDOLF SMERDA CZE 2023     | 2:53.91 ROBERTO ALBERICHE ESP 2017 | 3:55.12 WILLARD LAMB USA 2008      |
| 1:35.58 DAVID COSTILL USA 2016     | 3:03.23 DAVID A RADCLIFF USA 2019  | 3:55.84 V.MESHCHERYAKOV RUS 2019   |
| 1:35.68 KOJI IWAMOTO JPN 2022      | 3:06.74 WERNER SCHNABEL GER 2022   | 50 M. BRST                         |
| 200 M. FLY                         | 3:08.23 IKURO SHIMONO JPN 2022     | 44.47 TOSHIO TAJIMA JPN 2010       |
| 3:30.11 GIULIO DIVANO ITA 2011     | 3:08.73 LAURI MALK FIN 2022        | 45.05 HANS REICHELT GER 2021       |
| 3:33.24 TAKASHI HAYASHI JPN 2013   | 3:09.31 H.TAKAHASHI JPN 2022       | 45.48 TONY GOODWIN AUS 2022        |
| 3:39.42 MASARU SHINKAI JPN 2020    | 3:11.42 WALLIE JEFFRIES USA 2016   | 46.16 HIROFUMI HOSOTANI JPN 2021   |
| 3:45.43 RUDOLF SMERDA CZE 2023     | 3:12.85 WILLARD LAMB USA 2007      | 46.24 TETSUO NAKAMARU JPN 2022     |
| 3:46.51 OLEG TKACHENKO RUS 2021    | 3:13.42 MASATO YOSHINO JPN 2023    | 46.44 MIKHAIL FARAFONOV RUS 2022   |
| 3:49.18 ALFRED SEEGER GER 2020     | 3:13.45 JIM EUBANK USA 2000        | 47.12 SHUNZO YAMANAKA JPN 2017     |
| 3:51.87 DAVID MCLACHLAN RSA 2017   | 400 M. FREE                        | 47.24 FRANK PIEMME USA 2010        |
| 3:52.41 THOMAS MAINE USA 2007      | 6:27.44 DAVID A RADCLIFF USA 2019  | 47.53 KARL HAUTER GER 2012         |
| 3:57.85 JOHN COCKS AUS 2018        | 6:30.16 ROBERTO ALBERICHE ESP 2016 | 47.66 Y.KAWABATA JPN 2010          |
| 3:58.52 JOAQUIN MENDOZA ESP 2021   | 6:49.44 FRED DE BRUIJN ESP 2023    | 100 M. BRST                        |
| 100 M. I.M.                        | 6:53.46 H.TAKAHASHI JPN 2023       | 1:39.04 TONY GOODWIN AUS 2023      |
| 1:23.73 RICHARD BURNS USA 2023     | 6:53.90 WALLIE JEFFRIES USA 2016   | 1:42.69 HANS REICHELT GER 2021     |
| 1:24.69 DAVID COSTILL USA 2017     | 6:56.12 ROD BAKER AUS 2013         | 1:43.72 KARL HAUTER GER 2010       |
| 1:26.73 JOHN KELSO CAN 2019        | 6:56.90 WERNER SCHNABEL GER 2022   | 1:46.07 IWAO NARUSE JPN 2017       |
| 1:27.38 MASARU SHINKAI JPN 2020    | 6:58.70 KATSURA SUZUKI JPN 2016    | 1:47.12 PATRICK GALVIN AUS 2018    |
| 1:28.38 JEFF FARRELL USA 2017      | 7:00.77 GRAHAM JOHNSTON USA 2016   | 1:47.97 TOSHIO TAJIMA JPN 2010     |
| 1:28.42 BELA FABIAN HUN 2017       | 7:08.79 NOBUMOTO TANAKA JPN 2022   | 1:48.57 SHUNSAKU TAKAHIRA JPN 2019 |
| 1:28.47 GERHARD HOLE GER 2015      | 800 M. FREE                        | 1:49.22 JOHN COCKS AUS 2022        |
| 1:28.67 GERSHON SHEFA ISR 2023     | 13:20.46 DAVID A RADCLIFF USA 2019 | 1:49.53 HIROFUMI HOSOTANI JPN 2021 |
| 1:28.76 ROBERTO ALBERICHE ESP 2012 | 14:04.48 WILLARD LAMB USA 2008     | 1:49.77 Y.KASHIKAWA JPN 2019       |
| 1:29.29 JAMES ZURCHER USA 2014     | 14:25.82 FRED DE BRUIJN ESP 2023   | 200 M. BRST                        |
| 200 M. I.M.                        | 14:28.42 JOEL LOCKWOOD USA 2019    | 3:43.10 TONY GOODWIN AUS 2023      |
| 3:08.90 RICHARD BURNS USA 2023     | 14:31.82 KATSURA SUZUKI JPN 2016   | 3:54.97 JOHN COCKS AUS 2022        |
| 3:16.09 MASARU SHINKAI JPN 2020    | 14:42.22 GRAHAM JOHNSTON USA 2016  | 3:55.71 FRED DE BRUIJN ESP 2023    |
| 3:16.26 IKURO SHIMONO JPN 2017     | 14:51.31 WERNER SCHNABEL GER 2022  | 3:55.98 HANS REICHELT GER 2022     |
| 3:16.32 JOHN KELSO CAN 2019        | 14:58.79 DAVID CUMMING GBR 2023    | 3:59.67 KAIZO YAMAMOTO JPN 2023    |
| 3:17.29 DAVID COSTILL USA 2016     | 15:01.45 ROD BAKER AUS 2013        | 3:59.91 SHUNSAKU TAKAHIRA JPN 2017 |
| 3:18.55 GIULIO DIVANO ITA 2011     | 15:03.26 JURGEN SCHMIDT USA 2008   | 4:04.89 PATRICK GALVIN AUS 2018    |
| 3:21.84 JOAQUIN CANALES ESP 2020   | 1500 M. FREE                       | 4:05.91 FRANK PIEMME USA 2010      |
| 3:22.25 JAMES ZURCHER USA 2014     | 25:18.19 DAVID A RADCLIFF USA 2019 | 4:09.55 CLAUDIO NEGRI ITA 2022     |
| 3:23.52 GERSHON SHEFA ISR 2023     | 27:28.24 KATSURA SUZUKI JPN 2016   | 4:10.04 IWAO NARUSE JPN 2018       |
| 3:23.52 T.TAKESHITA JPN 2022       | 27:57.05 LAURI MALK FIN 2022       | 50 M. FLY                          |
| 400 M. I.M.                        | 28:07.33 JOEL LOCKWOOD USA 2019    | 41.08 ROBERTO ALBERICHE ESP 2016   |
| 6:58.11 GIULIO DIVANO ITA 2011     | 28:07.95 GRAHAM JOHNSTON USA 2016  | 43.35 MAX VON ISSER USA 2004       |
| 7:09.74 IKURO SHIMONO JPN 2017     | 28:17.36 WILLARD LAMB USA 2008     | 44.10 TOSHIO TAJIMA JPN 2010       |
| 7:12.09 MASARU SHINKAI JPN 2022    | 28:49.50 D.LEATHERBARROW GBR 2023  | 44.69 TAMON YOSHIDA JPN 2011       |
| 7:14.71 DAVID COSTILL USA 2016     | 29:16.62 JURGEN SCHMIDT USA 2008   | 44.72 TAKAYOSHI SAITO JPN 2023     |
| 7:23.77 DAVE NOBLE USA 2023        | 29:53.03 JOHN COCKS AUS 2022       | 44.93 TAKASHI HAYASHI JPN 2018     |
| 7:26.06 KARL HAUTER GER 2005       | 29:55.69 JIM EUBANK USA 2000       | 45.36 CLARKE MITCHELL USA 2017     |
| 7:27.87 JOAQUIN CANALES ESP 2020   | 50 M. BACK                         | 45.50 FRANK PIEMME USA 2010        |
| 7:31.47 JOHN COCKS AUS 2016        | 40.59 KEIJIRO NAKAMURA JPN 2009    | 46.49 JOHN COCKS AUS 2022          |
| 7:33.77 WILLIAM LAUER USA 2014     | 41.75 CLARKE MITCHELL USA 2017     | 46.98 IKURO SHIMONO JPN 2022       |
| 7:35.40 JOAQUIN MENDOZA ESP 2021   | 43.30 YOSHI OYAKAWA USA 2018       | 100 M. FLY                         |
| *****                              | 43.80 GORO KOBAYASHI JPN 2001      | 1:49.41 JOHN COCKS AUS 2022        |
| M E N 85-89                        | 43.83 ROBERTO ALBERICHE ESP 2016   | 1:51.51 LAURI MALK FIN 2022        |
| *****                              | 44.47 ERIK FORSLUND SWE 2022       | 1:52.03 TAKASHI HAYASHI JPN 2018   |
| 50 M. FREE                         | 45.02 DAVID COSTILL USA 2021       | 1:53.78 THOMAS MAINE USA 2010      |
| 32.23 ROBERTO ALBERICHE ESP 2016   | 45.53 SHOICHI SHIDA JPN 2012       | 1:54.07 FRANK PIEMME USA 2010      |
| 32.63 TORU FURUKAWA JPN 2023       | 45.82 YOSHIKI ISHIZU JPN 2019      | 1:55.07 DAVID CUMMING GBR 2023     |
| 34.44 JEFF FARRELL USA 2023        | 45.89 JOHN COCKS AUS 2022          | 2:01.65 ANDREW HOLDEN USA 2004     |
| 34.54 KEIJIRO NAKAMURA JPN 2008    | 100 M. BACK                        | 2:04.50 WALT PFEIFFER USA 1998     |
| 35.38 TSUTOMU HAYASHI JPN 2021     | 1:28.98 KEIJIRO NAKAMURA JPN 2008  | 2:06.70 FRANK TANNER USA 2016      |
| 36.05 LAURI MALK FIN 2022          | 1:32.98 CLARKE MITCHELL USA 2017   | 2:11.49 KARL HAUTER GER 2012       |
| 36.21 AL WORTH USA 2021            | 1:39.04 DAVID COSTILL USA 2021     | 200 M. FLY                         |
| 36.26 FRANK PIEMME USA 2010        | 1:39.08 GORO KOBAYASHI JPN 2002    | 4:07.30 DAVID CUMMING GBR 2023     |
| 36.31 TOSHIMI INATOMI JPN 2011     | 1:40.25 TOSHIJI SATO JPN 2000      | 4:12.21 THOMAS MAINE USA 2010      |
| 36.47 H.TAKAHASHI JPN 2022         | 1:41.93 ROBERTO ALBERICHE ESP 2016 | 4:27.43 LAURI MALK FIN 2022        |
| 100 M. FREE                        | 1:42.84 KARL HAUTER GER 2010       | 4:28.53 JOHN COCKS AUS 2022        |
| 1:14.68 ROBERTO ALBERICHE ESP 2016 | 1:43.44 MAMPEI SEINO JPN 2018      | 4:49.10 WALT PFEIFFER USA 1998     |
| 1:19.42 KEIJIRO NAKAMURA JPN 2008  | 1:43.86 DOUGLAS ALPINO BRA 2022    | 4:57.51 SERHII SIMANKOV UKR 2019   |
| 1:20.73 JEFF FARRELL USA 2022      | 1:44.61 ERIK FORSLUND SWE 2022     | 5:01.50 PAUL KRUP USA 2002         |
| 1:21.77 TORU FURUKAWA JPN 2023     | 200 M. BACK                        | 5:05.95 FRANK TANNER USA 2016      |
| 1:22.97 DAVID A RADCLIFF USA 2019  | 3:18.29 KEIJIRO NAKAMURA JPN 2008  | 5:07.49 TAKASHI HAYASHI JPN 2019   |
| 1:23.20 JIM EUBANK USA 2000        | 3:37.45 GORO KOBAYASHI JPN 2002    | 5:09.64 FRED DE BRUIJN ESP 2023    |
| 1:24.08 HIROSHI MATSUMOTO JPN 2022 | 3:40.17 DAVID COSTILL USA 2021     | 100 M. I.M.                        |
| 1:24.14 H.TAKAHASHI JPN 2022       | 3:43.51 E.NODENSCHNEIDER FRA 2022  | 1:32.47 HEINZ SIEGEL GER 2003      |
| 1:24.32 ROD BAKER AUS 2013         | 3:44.49 LAURI MALK FIN 2022        | 1:34.39 ROBERTO ALBERICHE ESP 2016 |
| 1:24.94 AL WORTH USA 2021          | 3:45.86 JOHN COCKS AUS 2022        | 1:39.42 IKURO SHIMONO JPN 2022     |
|                                    | 3:48.13 MAMPEI SEINO JPN 2018      | 1:40.50 YOSHINO KAMEI JPN 2018     |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|             |                 |     |      |              |                  |     |      |             |                   |     |      |
|-------------|-----------------|-----|------|--------------|------------------|-----|------|-------------|-------------------|-----|------|
| 1:40.78     | KARL HAUTER     | GER | 2010 | 9:05.71      | JOHN MERRILL     | USA | 2007 | 2:24.05     | AKIRA MATSUMOTO   | JPN | 2023 |
| 1:40.79     | JOHN COCKS      | AUS | 2022 | 9:05.85      | JAMES DETAR      | BRA | 2014 | 2:32.59     | SEITA INAYOSHI    | JPN | 2013 |
| 1:41.27     | D.LEATHERBARROW | GBR | 2023 | 800 M. FREE  |                  |     |      | 2:32.84     | YOICHIRO ARAI     | JPN | 2023 |
| 1:41.31     | CLARKE MITCHELL | USA | 2018 | 16:04.18     | WILLARD LAMB     | USA | 2014 | 2:32.84     | ALBERT H WOODS    | USA | 2019 |
| 1:42.41     | FRANK PIEMME    | USA | 2010 | 17:14.92     | CHRIS SMITH      | CAN | 2022 | 2:32.87     | MASAHISA KANEKO   | JPN | 2002 |
| 1:44.50     | HANS REICHELT   | GER | 2021 | 18:01.28     | V.MESHCHERYAKOV  | RUS | 2023 | 200 M. BRST |                   |     |      |
| 200 M. I.M. |                 |     |      | 18:13.98     | JURGEN SCHMIDT   | USA | 2013 | 4:21.52     | KARL HAUTER       | GER | 2016 |
| 3:36.41     | JOHN COCKS      | AUS | 2022 | 18:36.25     | NILS FERM        | SWE | 2008 | 4:59.71     | HIROMU YOSHIMOTO  | JPN | 2005 |
| 3:40.03     | IKURO SHIMONO   | JPN | 2022 | 18:49.01     | AUSTIN NEWMAN    | USA | 2005 | 5:19.20     | THOMAS MAINE      | USA | 2015 |
| 3:41.83     | JAMES B ZURCHER | USA | 2019 | 19:06.71     | EDWARD HOY       | GBR | 2018 | 5:32.15     | DENZO WAKAYAMA    | JPN | 2015 |
| 3:48.20     | YOSHINAO KAMEI  | JPN | 2018 | 19:19.87     | JAMES TAR        | BRA | 2014 | 5:32.73     | GEORGE CORONES    | AUS | 2009 |
| 3:48.34     | KARL HAUTER     | GER | 2010 | 19:29.43     | IZUMI MATSUDA    | JPN | 2015 | 5:35.74     | MASAHISA KANEKO   | JPN | 2003 |
| 3:50.46     | FRANK PIEMME    | USA | 2010 | 19:31.83     | WOODY BOWERSOCK  | USA | 2003 | 5:37.31     | JURGEN SCHMIDT    | USA | 2013 |
| 3:54.61     | THOMAS MAINE    | USA | 2010 | 1500 M. FREE |                  |     |      | 5:44.96     | RUSS WITTE        | USA | 2008 |
| 3:55.12     | KAIZO YAMAMOTO  | JPN | 2023 | 30:12.33     | KATSURA SUZUKI   | JPN | 2022 | 5:46.96     | E OLE LARSON      | USA | 2011 |
| 3:56.64     | BOB BEST        | USA | 2017 | 30:41.82     | WILLARD LAMB     | USA | 2014 | 5:47.17     | SEITA INAYOSHI    | JPN | 2013 |
| 3:56.77     | FRED DE BRUIJN  | ESP | 2023 | 32:35.69     | CHRIS SMITH      | CAN | 2022 | 50 M. FLY   |                   |     |      |
| 400 M. I.M. |                 |     |      | 34:06.04     | V.MESHCHERYAKOV  | RUS | 2023 | 54.10       | C-H DE MUNIZAGA   | GER | 2021 |
| 7:58.08     | JOHN COCKS      | AUS | 2022 | 35:20.36     | AUSTIN NEWMAN    | USA | 2005 | 54.38       | TOSHIO TAJIMA     | JPN | 2015 |
| 8:08.28     | DAVID CUMMING   | GBR | 2023 | 35:45.97     | JURGEN SCHMIDT   | USA | 2014 | 56.09       | WALT PFEIFFER     | USA | 2003 |
| 8:12.94     | THOMAS MAINE    | USA | 2010 | 36:10.67     | EDWARD HOY       | GBR | 2018 | 59.45       | GUILHERME SILVA   | BRA | 2018 |
| 8:22.96     | KAIZO YAMAMOTO  | JPN | 2023 | 38:17.40     | NILS FERM        | SWE | 2007 | 59.54       | CURT-HEINZ ZEISS  | GER | 2023 |
| 8:32.50     | FRANK PIEMME    | USA | 2010 | 38:53.33     | HUGH MCGREGOR    | CAN | 2009 | 1:00.39     | KARL HAUTER       | GER | 2015 |
| 8:43.84     | FRED DE BRUIJN  | ESP | 2023 | 39:27.89     | JAMES TAR        | BRA | 2014 | 1:00.40     | JAN ZIEGLER       | CZE | 2015 |
| 8:46.73     | YOSHINAO KAMEI  | JPN | 2018 | 50 M. BACK   |                  |     |      | 1:00.50     | HEINZ JAHR        | GER | 1997 |
| 9:01.55     | FRANK TANNER    | USA | 2016 | 52.40        | MAMPEI SEINO     | JPN | 2023 | 1:04.99     | THOMAS MAINE      | USA | 2015 |
| 9:02.62     | LAURI MALK      | FIN | 2022 | 52.49        | GORO KOBAYASHI   | JPN | 2008 | 1:07.00     | ALDO CAPUTI       | ITA | 2005 |
| 9:32.65     | WALT PFEIFFER   | USA | 1998 | 53.12        | FRITZ ILGEN      | GER | 2023 | 100 M. FLY  |                   |     |      |
| *****       |                 |     |      | 53.24        | R.REINSTADTLER   | GER | 2002 | 2:16.78     | GUILHERME SILVA   | BRA | 2018 |
| M E N 90-94 |                 |     |      | 53.32        | TOSHIJI SATO     | JPN | 2005 | 2:21.82     | WALT PFEIFFER     | USA | 2003 |
| *****       |                 |     |      | 53.37        | K.KLAUSTERMEYER  | GER | 2018 | 2:23.21     | KARL HAUTER       | GER | 2015 |
| 50 M. FREE  |                 |     |      | 53.85        | KAIZO WATANABE   | JPN | 2013 | 2:24.00     | THOMAS MAINE      | USA | 2015 |
| 40.93       | TOSHIMI INATOMI | JPN | 2016 | 54.50        | ZAVEN BOGHOSSIAN | BRA | 2017 | 2:41.14     | ALDO CAPUTI       | ITA | 2005 |
| 41.07       | WOODY BOWERSOCK | USA | 2003 | 54.81        | ANTON BIEDERMANN | BRA | 2014 | 3:40.42     | ROBERT DOUD       | USA | 2013 |
| 42.10       | YOSHINAO KAMEI  | JPN | 2023 | 55.25        | JOHN MERRILL     | USA | 2007 | 4:25.80     | EUGENE LEHMAN     | CAN | 2003 |
| 42.60       | GORO KOBAYASHI  | JPN | 2006 | 100 M. BACK  |                  |     |      | 4:50.20     | BILL REEDER       | USA | 2001 |
| 42.69       | WILLARD LAMB    | USA | 2013 | 1:47.66      | GORO KOBAYASHI   | JPN | 2006 | 200 M. FLY  |                   |     |      |
| 42.76       | GEORGE CORONES  | AUS | 2009 | 1:58.10      | MAMPEI SEINO     | JPN | 2023 | 5:24.08     | THOMAS MAINE      | USA | 2015 |
| 42.93       | TOKUSHI KOMEDA  | JPN | 2004 | 1:58.15      | V.MESHCHERYAKOV  | RUS | 2023 | 5:37.23     | WALT PFEIFFER     | USA | 2003 |
| 43.18       | KARL HAUTER     | GER | 2015 | 1:58.27      | TOSHIJI SATO     | JPN | 2005 | 8:21.40     | ROBERT DOUD       | USA | 2013 |
| 43.89       | KAZUNAGA AKUTSU | JPN | 2002 | 1:58.74      | KARL HAUTER      | GER | 2015 | 9:14.77     | EUGENE LEHMAN     | CAN | 2003 |
| 43.91       | ISAMU TAMURA    | JPN | 2009 | 1:59.76      | WILLARD LAMB     | USA | 2013 | 100 M. I.M. |                   |     |      |
| 100 M. FREE |                 |     |      | 2:00.03      | JOHN MERRILL     | USA | 2007 | 1:53.75     | KARL HAUTER       | GER | 2015 |
| 1:35.17     | KARL HAUTER     | GER | 2015 | 2:00.25      | R.REINSTADTLER   | GER | 2002 | 1:55.19     | YOSHINAO KAMEI    | JPN | 2023 |
| 1:38.38     | KATSURA SUZUKI  | JPN | 2022 | 2:05.53      | KAIZO WATANABE   | JPN | 2014 | 2:01.30     | JAN ZIEGLER       | CZE | 2015 |
| 1:39.26     | WOODY BOWERSOCK | USA | 2003 | 2:05.76      | NILS FERM        | SWE | 2009 | 2:08.35     | THOMAS MAINE      | USA | 2015 |
| 1:39.27     | WILLARD LAMB    | USA | 2014 | 200 M. BACK  |                  |     |      | 2:08.86     | TOKUSHI KOMEDA    | JPN | 2004 |
| 1:41.47     | TOKUSHI KOMEDA  | JPN | 2004 | 3:59.25      | GORO KOBAYASHI   | JPN | 2007 | 2:09.51     | C.DE MUNIZAGA     | GER | 2022 |
| 1:45.28     | GORO KOBAYASHI  | JPN | 2007 | 4:07.82      | V.MESHCHERYAKOV  | RUS | 2023 | 2:13.60     | GOTTFRIED KLARING | GER | 2022 |
| 1:45.44     | GEORGE CORONES  | AUS | 2009 | 4:17.86      | WILLARD LAMB     | USA | 2014 | 2:14.23     | WALT PFEIFFER     | USA | 2003 |
| 1:46.82     | M.YOSHIZAWA     | JPN | 2022 | 4:20.68      | R.REINSTADTLER   | GER | 2002 | 2:15.51     | JURGEN SCHMIDT    | USA | 2013 |
| 1:47.51     | MASAHISA KANEKO | JPN | 2002 | 4:25.14      | JOHN MERRILL     | USA | 2007 | 2:16.67     | R.REINSTADTLER    | GER | 2002 |
| 1:47.70     | STEVE CARLSON   | USA | 2009 | 4:29.54      | NILS FERM        | SWE | 2007 | 200 M. I.M. |                   |     |      |
| 200 M. FREE |                 |     |      | 4:40.10      | CHRIS SMITH      | CAN | 2022 | 4:17.75     | KARL HAUTER       | GER | 2016 |
| 3:27.14     | KARL HAUTER     | GER | 2016 | 4:40.34      | THOMAS MAINE     | USA | 2015 | 4:36.45     | THOMAS MAINE      | USA | 2016 |
| 3:39.65     | TOKUSHI KOMEDA  | JPN | 2004 | 4:45.91      | ROGERS HOLMES    | USA | 2011 | 4:42.02     | JAN ZIEGLER       | CZE | 2015 |
| 3:42.75     | KATSURA SUZUKI  | JPN | 2022 | 4:47.45      | WOODY BOWERSOCK  | USA | 2003 | 5:13.24     | WALT PFEIFFER     | USA | 2003 |
| 3:46.17     | WILLARD LAMB    | USA | 2014 | 50 M. BRST   |                  |     |      | 5:21.93     | JURGEN SCHMIDT    | USA | 2013 |
| 3:48.53     | GORO KOBAYASHI  | JPN | 2007 | 49.58        | TOSHIO TAJIMA    | JPN | 2015 | 5:34.52     | CHRIS SMITH       | CAN | 2022 |
| 3:58.06     | CHRIS SMITH     | CAN | 2022 | 51.67        | Y.KAWABATA       | JPN | 2015 | 6:10.00     | JOHN HARRISON     | GBR | 2004 |
| 3:59.28     | WOODY BOWERSOCK | USA | 2003 | 51.68        | KARL HAUTER      | GER | 2015 | 6:26.33     | TOM MITCHELL      | USA | 2023 |
| 4:01.58     | JURGEN SCHMIDT  | USA | 2013 | 53.23        | HEINZ JAHR       | GER | 1997 | 7:18.74     | ROMAN JEZEK       | CAN | 2004 |
| 4:03.31     | STEVE CARLSON   | USA | 2009 | 55.68        | HIROMU YOSHIMOTO | JPN | 2005 | 7:28.79     | BILL WALKER       | AUS | 2019 |
| 4:09.39     | V.MESHCHERYAKOV | RUS | 2023 | 57.91        | C-H DE MUNIZAGA  | GER | 2021 | 400 M. I.M. |                   |     |      |
| 400 M. FREE |                 |     |      | 58.39        | TAKESHI YASUKAWA | JPN | 2013 | 9:39.56     | THOMAS MAINE      | USA | 2015 |
| 7:16.90     | KATSURA SUZUKI  | JPN | 2021 | 58.72        | ISAMU TAMURA     | JPN | 2009 | 11:15.65    | WALT PFEIFFER     | USA | 2003 |
| 7:44.83     | WILLARD LAMB    | USA | 2014 | 58.80        | JAN ZIEGLER      | CZE | 2015 | 15:21.15    | ROBERT DOUD       | USA | 2013 |
| 7:51.75     | KARL HAUTER     | GER | 2017 | 59.79        | C.DE MUNIZAGA    | GER | 2022 | 15:45.53    | EUGENE LEHMAN     | CAN | 2003 |
| 8:29.29     | CHRIS SMITH     | CAN | 2022 | 100 M. BRST  |                  |     |      | 17:59.19    | BILL REEDER       | USA | 2000 |
| 8:32.09     | JURGEN SCHMIDT  | USA | 2013 | 1:56.64      | KARL HAUTER      | GER | 2015 | *****       |                   |     |      |
| 8:50.65     | GUS LANGNER     | USA | 1993 | 2:15.14      | HIROMU YOSHIMOTO | JPN | 2005 | M E N 95-99 |                   |     |      |
| 8:52.43     | V.MESHCHERYAKOV | RUS | 2023 | 2:18.92      | HARUO FUKATSU    | JPN | 2022 | *****       |                   |     |      |
| 8:52.99     | STEVE CARLSON   | USA | 2009 | 2:21.07      | GUILHERME SILVA  | BRA | 2018 | 50 M. FREE  |                   |     |      |
|             |                 |     |      | 2:23.92      | RUSS WITTE       | USA | 2008 |             |                   |     |      |

# WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2023)



|                          |          |                          |          |                          |          |
|--------------------------|----------|--------------------------|----------|--------------------------|----------|
| 45.47 WILLARD LAMB       | USA 2017 | 4:24.83 WILLARD LAMB     | USA 2017 | 100 M. FREE              |          |
| 47.16 GEORGE CORONES     | AUS 2013 | 5:29.49 ALFRED SCHULHOF  | CAN 2014 | 2:13.96 WILLARD J LAMB   | USA 2022 |
| 47.45 TOSHIMI INATOMI    | JPN 2021 | 5:53.77 ANTON BIEDERMANN | BRA 2023 | 2:19.02 GEORGE CORONES   | AUS 2018 |
| 55.08 KAZUNAGA AKUTSU    | JPN 2007 | 6:18.51 JOHN HARRISON    | GBR 2009 | 3:02.22 JARING TIMMERMAN | CAN 2009 |
| 55.41 YOSHIRO OBATA      | JPN 2018 | 6:37.28 B.BANKI-HORVATH  | HUN 2017 | 3:27.79 JOHN HARRISON    | GBR 2014 |
| 57.57 GUS LANGNER        | USA 1998 | 6:57.37 F.BETANCOR       | ESP 2021 | 4:32.29 TOM LANE         | USA 1995 |
| 1:00.40 R.REINSTADTLER   | GER 2007 | 7:01.87 ALFREDO CHERCHI  | AUS 2002 | 200 M. FREE              |          |
| 1:00.42 KAIZO WATANABE   | JPN 2018 | 8:32.34 GUS LANGNER      | USA 1998 | 4:50.84 WILLARD J LAMB   | USA 2022 |
| 1:00.56 K.MROWCZYNSKI    | POL 2017 | 9:31.21 BILL REEDER      | USA 2005 | 400 M. FREE              |          |
| 1:01.65 GERSON SOBEL     | USA 2005 | 9:50.56 WERNER KELLER    | SUI 2019 | 10:05.73 WILLARD J LAMB  | USA 2022 |
| 100 M. FREE              |          | 50 M. BRST               |          | 800 M. FREE              |          |
| 1:02.61 SEBASTIAO SANTOS | BRA 2017 | 1:07.12 HIROMU YOSHIMOTO | JPN 2010 | 20:23.87 WILLARD J LAMB  | USA 2022 |
| 1:47.23 WILLARD LAMB     | USA 2017 | 1:09.34 GEORGE CORONES   | AUS 2013 | 1500 M. FREE             |          |
| 1:54.60 GEORGE CORONES   | AUS 2013 | 1:11.36 ALFRED SCHULHOF  | CAN 2014 | 38:32.90 WILLARD J LAMB  | USA 2022 |
| 2:03.99 YOSHIRO OBATA    | JPN 2018 | 1:13.72 RUSS WITTE       | USA 2011 | 50 M. BACK               |          |
| 2:09.32 KAZUNAGA AKUTSU  | JPN 2007 | 1:16.93 JAN HOEG         | NOR 2018 | 1:07.11 WILLARD J LAMB   | USA 2022 |
| 2:19.51 GUS LANGNER      | USA 1998 | 1:17.30 K.MROWCZYNSKI    | POL 2017 | 1:26.68 JEAN LEEMPUT     | FRA 2014 |
| 2:29.61 EDWARD HOY       | GBR 2023 | 1:22.80 KAZUNAGA AKUTSU  | JPN 2007 | 1:45.59 JARING TIMMERMAN | CAN 2009 |
| 2:31.62 JARING TIMMERMAN | CAN 2004 | 1:28.78 HORVATH BANKI    | HUN 2015 | 2:02.52 TOM LANE         | USA 1995 |
| 2:31.83 HUGH MCGREGOR    | CAN 2014 | 1:30.92 KAZUO YASUIKE    | JPN 2023 | 2:09.37 HANS HAHN        | GER 2008 |
| 2:33.97 ALFRED SCHULHOF  | CAN 2014 | 1:31.50 ROMAN JEZEK      | CAN 2009 | 4:17.99 NOBUO OTSUKI     | JPN 2007 |
| 200 M. FREE              |          | 100 M. BRST              |          | 100 M. BACK              |          |
| 3:56.49 WILLARD LAMB     | USA 2017 | 2:31.77 HIROMU YOSHIMOTO | JPN 2010 | 2:24.84 WILLARD J LAMB   | USA 2022 |
| 5:13.46 GUS LANGNER      | USA 1998 | 2:43.30 GEORGE CORONES   | AUS 2013 | 3:26.09 JEAN LEEMPUT     | FRA 2014 |
| 5:22.00 EDWARD HOY       | GBR 2023 | 3:01.83 ALFRED SCHULHOF  | CAN 2014 | 3:39.53 JOHN HARRISON    | GBR 2014 |
| 5:22.05 JUAN FRANCISCO   | ESP 2023 | 3:03.57 RUSS WITTE       | USA 2011 | 3:51.54 JARING TIMMERMAN | CAN 2009 |
| 5:29.49 ALFRED SCHULHOF  | CAN 2014 | 3:24.92 ROMAN JEZEK      | CAN 2009 | 5:01.82 HANS HAHN        | GER 2008 |
| 5:40.43 K.MROWCZYNSKI    | POL 2017 | 3:35.33 GUS LANGNER      | USA 1998 | 200 M. BACK              |          |
| 5:42.47 ALFREDO CHERCHI  | AUS 2002 | 3:37.75 B.BANKI-HORVATH  | HUN 2016 | 5:09.10 WILLARD J LAMB   | USA 2022 |
| 5:46.73 HUGH MCGREGOR    | CAN 2014 | 4:07.54 JACK MATHESON    | AUS 2013 | 50 M. BRST               |          |
| 5:55.45 JOHN HARRISON    | GBR 2009 | 4:29.87 WERNER KELLER    | SUI 2019 | 1:20.78 GEORGE CORONES   | AUS 2018 |
| 6:04.86 JAMES TAR        | BRA 2021 | 4:58.99 DONALD J HUBBARD | USA 2022 | 1:52.04 WILLARD J LAMB   | USA 2022 |
| 400 M. FREE              |          | 200 M. BRST              |          | *****                    |          |
| 8:13.42 WILLARD LAMB     | USA 2017 | 5:45.70 HIROMU YOSHIMOTO | JPN 2010 | M E N 105-109            |          |
| 10:39.55 JUAN FRANCISCO  | ESP 2022 | 6:05.88 GEORGE CORONES   | AUS 2013 | *****                    |          |
| 10:51.93 GUS LANGNER     | USA 1998 | 6:14.84 RUSS WITTE       | USA 2011 | 50 M. FREE               |          |
| 11:09.46 EDWARD HOY      | GBR 2023 | 7:29.31 GUS LANGNER      | USA 1998 | 2:52.48 JARING TIMMERMAN | CAN 2014 |
| 12:08.80 HUGH MCGREGOR   | CAN 2014 | 8:00.06 ROMAN JEZEK      | CAN 2009 | 50 M. BACK               |          |
| 12:24.23 JOHN HARRISON   | GBR 2009 | 8:27.21 B.BANKI-HORVATH  | HUN 2016 | 3:09.55 JARING TIMMERMAN | CAN 2014 |
| 16:31.48 EUGENE LEHMAN   | CAN 2008 | 9:39.67 WERNER KELLER    | SUI 2019 |                          |          |
| 20:44.35 WERNER KELLER   | SUI 2019 | 9:49.33 DONALD J HUBBARD | USA 2022 |                          |          |
| 800 M. FREE              |          | 50 M. FLY                |          |                          |          |
| 16:56.22 WILLARD LAMB    | USA 2017 | 1:35.76 ALDO CAPUTI      | ITA 2010 |                          |          |
| 22:05.55 GUS LANGNER     | USA 1998 | 2:02.24 ROBERT DOUD      | USA 2018 |                          |          |
| 22:48.37 JUAN FRANCISCO  | ESP 2022 | 3:02.06 EUGENE LEHMAN    | CAN 2008 |                          |          |
| 23:02.82 EDWARD HOY      | GBR 2023 | 100 M. FLY               |          |                          |          |
| 32:46.93 EUGENE LEHMAN   | CAN 2008 | 5:36.78 ROBERT DOUD      | USA 2018 |                          |          |
| 42:14.70 WERNER KELLER   | SUI 2019 | 6:04.41 WALTER PFEIFFER  | USA 2008 |                          |          |
| 1500 M. FREE             |          | 200 M. FLY               |          |                          |          |
| 31:56.67 WILLARD LAMB    | USA 2017 | 11:08.68 ROBERT DOUD     | USA 2018 |                          |          |
| 41:29.87 GUS LANGNER     | USA 1998 | 100 M. I.M.              |          |                          |          |
| 50 M. BACK               |          | 2:39.39 WILLARD LAMB     | USA 2017 |                          |          |
| 55.60 WILLARD LAMB       | USA 2017 | 3:33.98 GUS LANGNER      | USA 1998 |                          |          |
| 1:01.25 KAZUNAGA AKUTSU  | JPN 2007 | 5:45.94 BILL REEDER      | USA 2005 |                          |          |
| 1:03.77 HORVATH BANKI    | HUN 2015 | 6:00.24 TSUNEO KOSHIBA   | JPN 2023 |                          |          |
| 1:05.82 ALFRED SCHULHOF  | CAN 2014 | 200 M. I.M.              |          |                          |          |
| 1:06.23 GORO KOBAYASHI   | JPN 2011 | 9:50.55 WALTER PFEIFFER  | USA 2008 |                          |          |
| 1:09.22 TOSHIJI SATO     | JPN 2012 | 10:39.89 ROBERT DOUD     | USA 2018 |                          |          |
| 1:09.36 CHARLES RENNER   | AUS 2023 | 11:28.78 TSUNEO KOSHIBA  | JPN 2023 |                          |          |
| 1:09.49 ANTON BIEDERMANN | BRA 2023 | 400 M. I.M.              |          |                          |          |
| 1:10.42 NORI YAMAMOTO    | JPN 2004 | 21:03.17 WALTER PFEIFFER | USA 2008 |                          |          |
| 1:10.77 KAZUO YASUIKE    | JPN 2023 | *****                    |          |                          |          |
| 100 M. BACK              |          | M E N 100-104            |          |                          |          |
| 2:04.72 WILLARD LAMB     | USA 2017 | *****                    |          |                          |          |
| 2:21.73 TOSHIJI SATO     | JPN 2010 | 50 M. FREE               |          |                          |          |
| 2:23.12 KAZUNAGA AKUTSU  | JPN 2007 | 55.75 GEORGE CORONES     | AUS 2018 |                          |          |
| 2:25.92 GORO KOBAYASHI   | JPN 2012 | 57.81 WILLARD J LAMB     | USA 2022 |                          |          |
| 2:29.49 HORVATH BANKI    | HUN 2015 | 1:03.15 HIDEKAZU TAMURA  | JPN 2020 |                          |          |
| 2:33.97 ALFRED SCHULHOF  | CAN 2014 | 1:16.92 JARING TIMMERMAN | CAN 2009 |                          |          |
| 2:35.71 ANTON BIEDERMANN | BRA 2023 | 1:27.67 JOHN HARRISON    | GBR 2014 |                          |          |
| 2:43.41 JEAN LEEMPUT     | FRA 2010 | 1:32.43 JEAN LEEMPUT     | FRA 2014 |                          |          |
| 2:46.68 JOHN HARRISON    | GBR 2009 | 2:06.66 TOM LANE         | USA 1995 |                          |          |
| 2:56.67 RUSS WITTE       | USA 2011 | 2:07.41 HANS HAHN        | GER 2008 |                          |          |
| 200 M. BACK              |          |                          |          |                          |          |