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LAMPIRAN

| | |
|---|----|
| 1. Data Kejadian dan Populasi Crown of Thorns Starfish di Great Barrier Reef pada tahun 1992-2022 | 31 |
| 2. Data Arus Laut di Great Barrier Reef, Australia | 40 |
| 3. Data <i>Sea Surface Temperature</i> (SST) di Great Barrier Reef, Australia..... | 48 |
| 4. Data Salinitas di Great Barrier Reef, Australia | 56 |
| 5. Script Matlab untuk Pemodelan Pengaruh Faktor <i>Global Ocean</i> Terhadap Populasi Crown of Thorns Starfish menggunakan <i>Multiple Regression</i> metode <i>Stepwise</i> | 63 |
| 6. Script Matlab Persamaan Metrik ACC (<i>Anomaly Coefficient Anomaly</i>) | 64 |

1. Data Kejadian dan Populasi Crown of Thorns Starfish di Great Barrier Reef pada tahun 1992-2022

| Sektor | Kejadian | Lokasi (Reef) | Titik | Koordinat | | Bulan/ Tahun | Total COTS |
|--------|----------|---------------------------|-------|-----------|--------|-----------------|---------------|
| | | | | LS | BT | | |
| CA | 1 | 16013C | 1 | -16.03 | 145.80 | 10/1994 | 2 |
| CA | 2 | | | | | 01/1998 | 1 |
| CA | 3 | | | | | 02/1994 | 2 |
| CA | 4 | 16017S | 2 | -16.08 | 145.73 | 01/2000 | 17 |
| CA | 5 | | | | | 01/2013 | 15 |
| CA | 6 | AGINCOURT REEFS (NO 3) | 3 | -15.99 | 145.83 | 01/2000 | 21 |
| CA | 7 | | | | | 09/1994 | 16 |
| CA | 8 | | | | | 01/1998 | 8 |
| CA | 9 | EVENING REEF | 4 | -15.91 | 145.66 | 01/2004 | 1 |
| CA | 10 | | | | | 03/2015 | 20 |
| CA | 11 | | | | | 01/2021 | 1 |
| CA | 12 | | | | | 06/1993 | 1 |
| CA | 13 | | | | | 04/1995 | 2 |
| CA | 14 | MACKAY REEF | 5 | -16.05 | 145.65 | 01/1996 | 1 |
| CA | 15 | | | | | 01/1998 | 12 |
| CA | 16 | | | | | 01/1999 | 7 |
| CA | 17 | | | | | 01/2013 | 5 |
| CA | 18 | | | | | 03/2015 | 24 |
| CA | 19 | PICKERSGILL REEF | 6 | -15.88 | 145.58 | 01/1996 | 10 |
| CA | 20 | | | | | 01/1997 | 9 |
| CA | 21 | | | | | 01/1998 | 23 |
| CA | 22 | | | | | 01/1999 | 11 |
| CA | 23 | | | | | 01/2000 | 8 |
| CA | 24 | ST CRISPIN REEF | 7 | -16.11 | 145.83 | 02/2001 | 7 |
| CA | 25 | | | | | 03/2019 | 48 |
| CA | 26 | | | | | 06/1993 | 1 |
| CA | 27 | UNDINE REEF (WEST) | 8 | -16.13 | 145.67 | 01/2000 | 17 |
| CA | 28 | | | | | 03/2014 | 1 |
| CA | 29 | UNDINE REEF (WEST) | 8 | -16.13 | 145.67 | 06/1993 | 2 |
| CA | 30 | | | | | 10/1994 | 2 |
| CB | 31 | | | | | 01/2010 | 1 |
| CB | 32 | BOULT REEF | 9 | -23.76 | 152.27 | 09/2013 | 2 |
| CB | 33 | | | | | 10/2015 | 1 |
| CB | 34 | | | | | 01/2020 | 2 |
| CB | 35 | FITZROY REEF | 10 | -23.63 | 152.16 | 12/1995 | 2 |
| CB | 36 | | | | | 11/1996 | 4 |
| CB | 37 | ONE TREE REEF | 11 | -23.50 | 152.07 | 09/2018 | 3 |

| | | | | | | | |
|----|----|------------------|----|--------|--------|---------|-----|
| CL | 38 | 14133S | 12 | -14.92 | 145.52 | 11/2008 | 2 |
| CL | 39 | 15022S | 13 | -15.10 | 145.63 | 11/2018 | 1 |
| CL | 40 | | | | | 10/1995 | 1 |
| CL | 41 | | | | | 10/1998 | 13 |
| CL | 42 | | | | | 09/2001 | 2 |
| CL | 43 | 15047S | 14 | -15.47 | 145.68 | 08/2004 | 3 |
| CL | 44 | | | | | 10/2006 | 1 |
| CL | 45 | | | | | 11/2009 | 1 |
| CL | 46 | | | | | 11/2010 | 2 |
| CL | 47 | | | | | 10/2012 | 5 |
| CL | 48 | | | | | 10/1994 | 1 |
| CL | 49 | | | | | 10/1997 | 4 |
| CL | 50 | 15077S | 15 | -15.56 | 145.65 | 01/2001 | 2 |
| CL | 51 | | | | | 10/2012 | 15 |
| CL | 52 | | | | | 11/2014 | 89 |
| CL | 53 | CARTER REEF | 16 | -14.55 | 145.58 | 10/1997 | 1 |
| CL | 54 | ENDEAVOUR REEF | 17 | -15.78 | 145.58 | 12/1992 | 1 |
| CL | 55 | | | | | 10/1993 | 10 |
| CL | 56 | | | | | 10/1996 | 100 |
| CL | 57 | FORRESTER REEF | 18 | -15.17 | 145.50 | 10/1999 | 4 |
| CL | 58 | | | | | 08/2002 | 5 |
| CL | 59 | | | | | 10/2012 | 152 |
| CL | 60 | | | | | 12/2014 | 79 |
| CL | 61 | | | | | 10/1993 | 4 |
| CL | 62 | | | | | 01/1997 | 2 |
| CL | 63 | IRENE REEF | 19 | -15.65 | 145.72 | 10/1999 | 2 |
| CL | 64 | | | | | 10/2012 | 62 |
| CL | 65 | | | | | 12/2021 | 32 |
| CL | 66 | LONG REEF(15019) | 20 | -15.05 | 145.57 | 11/2008 | 1 |
| CL | 67 | | | | | 10/1994 | 29 |
| CL | 68 | | | | | 10/1997 | 94 |
| CL | 69 | MACKAY REEFS | 21 | -15.15 | 145.58 | 02/2001 | 2 |
| CL | 70 | | | | | 09/2003 | 1 |
| CL | 71 | | | | | 09/2006 | 1 |
| CL | 72 | | | | | 11/2009 | 1 |
| CL | 73 | | | | | 10/1993 | 3 |
| CL | 74 | | | | | 10/1995 | 2 |
| CL | 75 | MARX REEF | 22 | -15.20 | 145.62 | 10/1999 | 5 |
| CL | 76 | | | | | 08/2002 | 1 |
| CL | 77 | | | | | 10/2012 | 15 |
| CL | 78 | | | | | 12/2019 | 77 |
| CL | 79 | | 23 | -14.74 | 145.51 | 10/1993 | 1 |

| | | | | | | | |
|----|-----|--------------|----|--------|--------|---------|-----|
| CL | 80 | | | | | 10/1994 | 10 |
| CL | 81 | | | | | 10/1995 | 2 |
| CL | 82 | | | | | 10/1996 | 3 |
| CL | 83 | | | | | 10/1997 | 3 |
| CL | 84 | NORTH | | | | 07/2001 | 2 |
| CL | 85 | DIRECTION | | | | 08/2003 | 1 |
| CL | 86 | REEF | | | | 10/2006 | 1 |
| CL | 87 | | | | | 10/2010 | 3 |
| CL | 88 | | | | | 10/2012 | 15 |
| CL | 89 | PASCO REEF | 24 | -15.05 | 145.53 | 11/2008 | 1 |
| CL | 90 | | | | | 10/1995 | 21 |
| CL | 91 | ROSSER REEF | 25 | -15.62 | 145.52 | 10/1998 | 48 |
| CL | 92 | | | | | 01/2011 | 1 |
| CL | 93 | | | | | 11/2008 | 1 |
| CL | 94 | SOUTH | | | | 11/2009 | 2 |
| CL | 95 | DIRECTION | 26 | -14.83 | 145.53 | 10/2012 | 55 |
| CL | 96 | REEF (NORTH) | | | | 12/2014 | 1 |
| CL | 97 | | | | | 10/1994 | 9 |
| CL | 98 | | | | | 10/1997 | 12 |
| CL | 99 | | | | | 09/2003 | 2 |
| CL | 100 | STARTLE | | | | 11/2008 | 7 |
| CL | 101 | (EAST) | 27 | -15.21 | 145.55 | 11/2009 | 2 |
| CL | 102 | | | | | 11/2010 | 11 |
| CL | 103 | | | | | 10/2012 | 49 |
| CL | 104 | | | | | 12/2014 | 85 |
| CL | 105 | | | | | 10/1994 | 13 |
| CL | 106 | | | | | 10/1997 | 7 |
| CL | 107 | SWINGER REEF | 28 | -15.24 | 145.53 | 11/2008 | 1 |
| CL | 108 | | | | | 11/2009 | 1 |
| CL | 109 | | | | | 12/2014 | 24 |
| CL | 110 | YONGE REEF | 29 | -14.60 | 145.63 | 10/1993 | 1 |
| CU | 111 | | | | | 12/1993 | 1 |
| CU | 112 | | | | | 05/1997 | 1 |
| CU | 113 | | | | | 05/2001 | 9 |
| CU | 114 | | | | | 11/2022 | 3 |
| CU | 115 | BOWDEN REEF | 30 | -19.03 | 147.93 | 02/2004 | 7 |
| CU | 116 | | | | | 03/2005 | 19 |
| CU | 117 | | | | | 03/2007 | 57 |
| CU | 118 | | | | | 05/2018 | 3 |
| CU | 119 | | | | | 09/2020 | 2 |
| CU | 120 | CHARITY REEF | 31 | -19.37 | 148.33 | 12/2002 | 130 |
| CU | 121 | ELIZABETH | 32 | -19.33 | 149.05 | 03/2021 | 61 |
| CU | 122 | REEF | | | | | |
| CU | 122 | FAITH REEF | 33 | -19.28 | 148.35 | 05/1997 | 1 |

| | | | | | | | |
|----|-----|-------------------------|----|--------|--------|---------|------|
| CU | 123 | | | | | 04/1998 | 1 |
| CU | 124 | | | | | 06/1999 | 2 |
| CU | 125 | | | | | 03/2000 | 1 |
| CU | 126 | | | | | 12/2002 | 1 |
| CU | 127 | | | | | 11/2003 | 9 |
| CU | 128 | | | | | 05/2005 | 1 |
| CU | 129 | | | | | 05/2015 | 1 |
| CU | 130 | | | | | 02/2021 | 3 |
| CU | 131 | JACQUELINE REEF | 34 | -19.22 | 148.90 | 04/1998 | 2 |
| CU | 132 | JACQUELINE REEF | | | | 05/2001 | 4 |
| CU | 133 | JAGUAR REEF | 35 | -18.98 | 148.43 | 03/1993 | 2 |
| CU | 134 | JAGUAR REEF | | | | 05/1999 | 1 |
| CU | 135 | KANGAROO REEF (EAST) | 36 | -19.25 | 148.63 | 03/1993 | 1 |
| CU | 136 | KANGAROO REEF (EAST) | | | | 06/1999 | 1 |
| CU | 137 | KANGAROO REEF (WEST) | 37 | -19.26 | 148.55 | 05/1999 | 1 |
| CU | 138 | | | | | 03/1997 | 1 |
| CU | 139 | | | | | 03/2000 | 2 |
| CU | 140 | SHELL REEF | 38 | -19.07 | 148.18 | 12/2002 | 1 |
| CU | 141 | SHELL REEF | | | | 05/2005 | 11 |
| CU | 142 | | | | | 03/2007 | 41 |
| CU | 143 | | | | | 03/2022 | 1 |
| CU | 144 | SHOWERS REEF | 39 | -19.49 | 148.91 | 03/2007 | 34 |
| CU | 145 | | | | | 03/2000 | 4 |
| CU | 146 | SHRIMP REEF | 40 | -18.95 | 148.08 | 11/2002 | 1 |
| CU | 147 | SHRIMP REEF | | | | 05/2005 | 167 |
| CU | 148 | | | | | 03/2007 | 1 |
| CU | 149 | STANLEY REEF | 41 | -19.30 | 148.08 | 11/2001 | 3 |
| CU | 150 | STANLEY REEF | | | | 05/2005 | 12 |
| IN | 151 | FARQUHARSON REEF (NO 1) | 42 | -17.78 | 146.52 | 02/2020 | 554 |
| IN | 152 | | | | | 03/1996 | 1 |
| IN | 153 | GILBEY REEF | 43 | -17.58 | 146.58 | 02/1999 | 5 |
| IN | 154 | GILBEY REEF | | | | 08/2001 | 47 |
| IN | 155 | | | | | 12/2016 | 95 |
| IN | 156 | | | | | 05/1995 | 1 |
| IN | 157 | | | | | 02/1998 | 5 |
| IN | 158 | POTTER REEF (NO 1) | 44 | -17.70 | 146.55 | 06/2000 | 464 |
| IN | 159 | POTTER REEF (NO 1) | | | | 11/2001 | 10 |
| IN | 160 | | | | | 04/2015 | 4 |
| IN | 161 | | | | | 12/2022 | 7 |
| IN | 162 | TAYLOR REEF | 45 | -17.83 | 146.55 | 05/2000 | 1090 |

| | | | | | | | |
|----|-----|--------------|----|--------|--------|---------|-----|
| IN | 163 | | | | | 12/2016 | 63 |
| IN | 164 | | | | | 02/2018 | 642 |
| IN | 165 | | | | | 02/1997 | 1 |
| IN | 166 | | | | | 02/1998 | 13 |
| IN | 167 | WARDLE REEF | 46 | -17.45 | 146.54 | 02/1999 | 4 |
| IN | 168 | | | | | 02/2000 | 2 |
| IN | 169 | | | | | 09/2007 | 1 |
| IN | 170 | | | | | 04/2022 | 4 |
| PO | 171 | | | | | 02/2010 | 3 |
| PO | 172 | 20348S | 47 | -20.89 | 150.96 | 11/2010 | 1 |
| PO | 173 | | | | | 01/2012 | 2 |
| PO | 174 | 20353S | 48 | -20.97 | 150.92 | 12/2022 | 1 |
| PO | 175 | | | | | 08/2001 | 1 |
| PO | 176 | 20354S | 49 | -20.98 | 150.95 | 11/2010 | 1 |
| PO | 177 | | | | | 02/2017 | 2 |
| PO | 178 | | | | | 07/2006 | 1 |
| PO | 179 | | | | | 02/2010 | 11 |
| PO | 180 | 21060S | 50 | -21.02 | 150.61 | 11/2011 | 27 |
| PO | 181 | | | | | 12/2013 | 68 |
| PO | 182 | | | | | 05/2006 | 1 |
| PO | 183 | | | | | 06/2018 | 79 |
| PO | 184 | 21062S | 51 | -21.03 | 150.87 | 12/2013 | 26 |
| PO | 185 | | | | | 03/2016 | 18 |
| PO | 186 | | | | | 03/2018 | 9 |
| PO | 187 | | | | | 06/2008 | 2 |
| PO | 188 | | | | | 01/2010 | 5 |
| PO | 189 | | | | | 01/2012 | 11 |
| PO | 190 | 21064S | 52 | -21.06 | 150.78 | 12/2013 | 47 |
| PO | 191 | | | | | 03/2016 | 1 |
| PO | 192 | | | | | 03/2018 | 13 |
| PO | 193 | | | | | 09/2023 | 45 |
| PO | 194 | | | | | 02/1995 | 1 |
| PO | 195 | 21074S | 53 | -21.16 | 150.85 | 10/2003 | 1 |
| PO | 196 | 21139S | 54 | -21.48 | 151.48 | 09/2019 | 1 |
| PO | 197 | | | | | 03/2016 | 3 |
| PO | 198 | 21187S | 55 | -21.42 | 151.64 | 10/2017 | 20 |
| PO | 199 | | | | | 09/2019 | 27 |
| SW | 200 | 21286S | 56 | -21.18 | 152.52 | 04/1994 | 1 |
| SW | 201 | | | | | 01/2006 | 1 |
| SW | 202 | 21558S | 57 | -21.56 | 152.54 | 01/2018 | 8 |
| SW | 203 | 22144S | 58 | -22.33 | 152.67 | 11/1995 | 3 |
| SW | 204 | | | | | 11/1995 | 4 |
| SW | 205 | CENTRAL REEF | 59 | -21.93 | 152.52 | 11/2004 | 1 |
| SW | 206 | | 60 | -22.01 | 152.66 | 10/1992 | 4 |

| | | | | | | | |
|----|-----|-------------|----|--------|--------|---------|------|
| SW | 207 | | | | | 11/1994 | 1 |
| SW | 208 | | | | | 11/1996 | 5 |
| SW | 209 | | | | | 12/1997 | 44 |
| SW | 210 | | | | | 12/1998 | 13 |
| SW | 211 | | | | | 11/1999 | 131 |
| SW | 212 | | | | | 09/2000 | 1005 |
| SW | 213 | | | | | 08/2001 | 102 |
| SW | 214 | | | | | 09/2002 | 114 |
| SW | 215 | | | | | 10/2003 | 10 |
| SW | 216 | CHINAMAN | | | | 11/2004 | 1 |
| SW | 217 | REEF(22102) | | | | 01/2006 | 1 |
| SW | 218 | | | | | 11/2008 | 2 |
| SW | 219 | | | | | 09/2012 | 4 |
| SW | 220 | | | | | 09/2013 | 1 |
| SW | 221 | | | | | 01/2017 | 99 |
| SW | 222 | | | | | 02/2018 | 89 |
| SW | 223 | | | | | 04/2019 | 56 |
| SW | 224 | | | | | 01/2020 | 131 |
| SW | 225 | | | | | 09/2020 | 1 |
| SW | 226 | | | | | 12/1998 | 1 |
| SW | 227 | | | | | 11/1999 | 1 |
| SW | 228 | | | | | 08/2001 | 3 |
| SW | 229 | | | | | 09/2002 | 6 |
| SW | 230 | | | | | 10/2003 | 3 |
| SW | 231 | EAST CAY | 61 | -21.49 | 152.56 | 11/2006 | 1 |
| SW | 232 | REEF | | | | 12/2010 | 1 |
| SW | 233 | | | | | 08/2012 | 2 |
| SW | 234 | | | | | 01/2015 | 2 |
| SW | 235 | | | | | 01/2018 | 1 |
| SW | 236 | | | | | 09/2020 | 24 |
| SW | 237 | | | | | 10/1992 | 1 |
| SW | 238 | | | | | 11/1994 | 96 |
| SW | 239 | | | | | 11/1995 | 27 |
| SW | 240 | | | | | 11/1996 | 125 |
| SW | 241 | | | | | 12/1997 | 398 |
| SW | 242 | | | | | 12/1998 | 101 |
| SW | 243 | | | | | 11/1999 | 210 |
| SW | 244 | HORSESHOE | 62 | -22.03 | 152.59 | 09/2000 | 348 |
| SW | 245 | | | | | 08/2001 | 408 |
| SW | 246 | | | | | 09/2002 | 1174 |
| SW | 247 | | | | | 10/2003 | 237 |
| SW | 248 | | | | | 11/2004 | 37 |
| SW | 249 | | | | | 01/2006 | 17 |
| SW | 250 | | | | | 11/2006 | 1 |

| | | | | | | | |
|----|-----|--------------|----|--------|--------|---------|------|
| SW | 251 | | | | | 01/2017 | 3 |
| SW | 252 | | | | | 09/2018 | 368 |
| SW | 253 | | | | | 09/2021 | 86 |
| SW | 254 | | | | | 01/2012 | 1 |
| SW | 255 | JENKINS REEF | 63 | -21.96 | 152.60 | 01/2016 | 1 |
| SW | 256 | | | | | 01/2018 | 81 |
| SW | 257 | | | | | 01/2021 | 1 |
| SW | 258 | SMALL | | | | 01/2006 | 8 |
| SW | 259 | LAGOON REEF | 64 | -21.88 | 152.51 | 01/2018 | 2 |
| SW | 260 | | | | | 01/2020 | 190 |
| SW | 261 | | | | | 05/1994 | 1 |
| SW | 262 | | | | | 11/1999 | 4 |
| SW | 263 | | | | | 09/2000 | 1224 |
| SW | 264 | | | | | 08/2001 | 1000 |
| SW | 265 | TURNER REEF | 65 | -21.73 | 152.56 | 09/2002 | 361 |
| SW | 266 | | | | | 10/2003 | 50 |
| SW | 267 | | | | | 11/2004 | 3 |
| SW | 268 | | | | | 01/2017 | 2 |
| SW | 269 | | | | | 09/2018 | 246 |
| SW | 270 | | | | | 09/2020 | 3 |
| SW | 271 | | | | | 01/2006 | 2 |
| SW | 272 | WADE REEF | 66 | -21.98 | 152.65 | 01/2010 | 1 |
| SW | 273 | | | | | 01/2018 | 21 |
| SW | 274 | | | | | 01/2020 | 3 |
| TO | 275 | | | | | 04/1999 | 1 |
| TO | 276 | (LITTLE) | | | | 08/2001 | 7 |
| TO | 277 | BROADHURST | 67 | -18.97 | 147.70 | 03/2003 | 549 |
| TO | 278 | REEF | | | | 05/2004 | 205 |
| TO | 279 | 18023S | 68 | -18.14 | 146.98 | 05/2000 | 1545 |
| TO | 280 | 18025S | 69 | -18.27 | 146.91 | 02/2002 | 3 |
| TO | 281 | 18026S | 70 | -18.33 | 146.74 | 02/2002 | 369 |
| TO | 282 | | | | | 05/2000 | 106 |
| TO | 283 | BRAMBLE REEF | 71 | -18.42 | 146.71 | 05/2007 | 1 |
| TO | 284 | | | | | 09/2006 | 104 |
| TO | 285 | CENTIPEDE | 72 | -18.73 | 147.54 | 04/2018 | 1 |
| TO | 286 | REEF | | | | 06/2020 | 1 |
| TO | 287 | | | | | 05/2001 | 1 |
| TO | 288 | | | | | 03/2003 | 186 |
| TO | 289 | CHICKEN REEF | 73 | -18.66 | 147.71 | 05/2004 | 118 |
| TO | 290 | | | | | 05/2005 | 184 |
| TO | 291 | | | | | 08/1992 | 2 |
| TO | 292 | | | | | 03/1997 | 3 |
| TO | 293 | DAVIES REEF | 74 | -18.83 | 147.64 | 05/1998 | 5 |
| TO | 294 | | | | | 02/2002 | 1 |

| | | | | | | | |
|----|-----|--------------|----|--------|--------|---------|------|
| TO | 295 | | | | | 03/2003 | 2 |
| TO | 296 | | | | | 04/2004 | 9 |
| TO | 297 | | | | | 04/2005 | 7 |
| TO | 298 | | | | | 05/2013 | 1 |
| TO | 299 | | | | | 05/2015 | 1 |
| TO | 300 | | | | | 06/2019 | 1 |
| TO | 301 | | | | | 02/2002 | 6 |
| TO | 302 | FORE AND AFT | | | | 03/2003 | 234 |
| TO | 303 | REEF | 75 | -18.50 | 147.03 | 04/2014 | 1 |
| TO | 304 | | | | | 04/2018 | 1 |
| TO | 305 | | | | | 05/2014 | 1 |
| TO | 306 | FORK REEF | 76 | -18.62 | 147.56 | 05/2016 | 1 |
| TO | 307 | | | | | 04/2018 | 5 |
| TO | 308 | | | | | 02/2002 | 1 |
| TO | 309 | | | | | 03/2022 | 4 |
| TO | 310 | GRUB | | | | 07/2006 | 6 |
| TO | 311 | REEF(18077) | 77 | -18.63 | 147.43 | 05/2008 | 1 |
| TO | 312 | | | | | 05/2016 | 1 |
| TO | 313 | | | | | 08/2001 | 1 |
| TO | 314 | HELIX REEF | 78 | -18.63 | 147.30 | 05/2005 | 10 |
| TO | 315 | | | | | 12/2005 | 16 |
| TO | 316 | HOPKINSON | | | | 02/2002 | 5 |
| TO | 317 | REEF | 79 | -18.56 | 147.19 | 03/2003 | 93 |
| TO | 318 | | | | | 03/1997 | 2 |
| TO | 319 | | | | | 05/2000 | 8 |
| TO | 320 | | | | | 05/2001 | 117 |
| TO | 321 | | | | | 02/2022 | 202 |
| TO | 322 | JOHN BREWER | | | | 03/2003 | 343 |
| TO | 323 | REEF | 80 | -18.63 | 147.06 | 06/2013 | 1 |
| TO | 324 | | | | | 05/2015 | 1 |
| TO | 325 | | | | | 05/2017 | 1 |
| TO | 326 | | | | | 03/2019 | 3 |
| TO | 327 | | | | | 02/2002 | 1 |
| TO | 328 | KEEPER REEF | 81 | -18.75 | 147.27 | 03/2003 | 1419 |
| TO | 329 | | | | | 02/2002 | 67 |
| TO | 330 | | | | | 11/2023 | 211 |
| TO | 331 | KELSO REEF | 82 | -18.44 | 146.99 | 04/2014 | 1 |
| TO | 332 | | | | | 04/2018 | 3 |
| TO | 333 | | | | | 06/2020 | 9 |
| TO | 334 | | | | | 03/2003 | 2 |
| TO | 335 | KNIFE REEF | 83 | -18.58 | 147.56 | 09/2006 | 4 |
| TO | 336 | | | | | 02/2002 | 28 |
| TO | 337 | LITTLE KELSO | | | | 03/2003 | 131 |
| TO | 338 | REEF | 84 | -18.48 | 147.00 | 04/2018 | 16 |

| | | | | | | | |
|----|-----|--------------|----|--------|--------|---------|-----|
| TO | 339 | | | | | 06/2020 | 1 |
| TO | 340 | LODESTONE | | | | 02/2002 | 29 |
| TO | 341 | REEF | 85 | -18.70 | 147.10 | 03/2003 | 379 |
| TO | 342 | MYRMIDON | | | | 05/1998 | 1 |
| | | REEF | 86 | -18.27 | 147.39 | | |
| TO | 343 | | | | | 12/1993 | 1 |
| TO | 344 | | | | | 03/1997 | 1 |
| TO | 345 | | | | | 04/1999 | 200 |
| TO | 346 | | | | | 04/2000 | 45 |
| TO | 347 | | | | | 05/2001 | 282 |
| TO | 348 | | | | | 02/2023 | 19 |
| TO | 349 | RIB REEF | 87 | -18.48 | 146.88 | 03/2003 | 108 |
| TO | 350 | | | | | 04/2004 | 1 |
| TO | 351 | | | | | 06/2013 | 1 |
| TO | 352 | | | | | 05/2015 | 2 |
| TO | 353 | | | | | 05/2016 | 5 |
| TO | 354 | | | | | 04/2020 | 38 |
| TO | 355 | | | | | 02/2022 | 195 |
| TO | 356 | SAVILLE-KENT | | | | 03/2023 | 1 |
| TO | 357 | REEF | 88 | -18.86 | 147.89 | 05/2004 | 32 |
| TO | 358 | | | | | 05/2015 | 1 |
| TO | 359 | YANKEE REEF | 89 | -18.57 | 147.49 | 03/2003 | 6 |
| WH | 360 | | | | | 03/2005 | 8 |
| WH | 361 | 20104S | 90 | -20.03 | 149.68 | 03/2007 | 12 |
| WH | 362 | | | | | 04/2023 | 1 |
| WH | 363 | HYDE REEF | 91 | -19.76 | 150.09 | 04/2009 | 3 |
| WH | 364 | PLASTER REEF | 92 | -19.63 | 149.66 | 04/1994 | 2 |
| WH | 365 | | | | | 03/1999 | 1 |
| WH | 366 | SLATE REEF | 93 | -19.67 | 149.93 | 03/2000 | 1 |
| WH | 367 | | | | | 02/2004 | 1 |

2. Data Arus Laut di Great Barrier Reef, Australia

| Bulan/ Tahun | Arus Laut (m/s) | | | | | | | | | | | | |
|-----------------|-----------------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | CUR 12 | CUR 11 | CUR 10 | CUR 9 | CUR 8 | CUR 7 | CUR 6 | CUR 5 | CUR 4 | CUR 3 | CUR 2 | CUR 1 | CUR 0 |
| 10/1994 | 0.043 | 0.025 | 0.050 | 0.089 | 0.139 | 0.150 | 0.181 | 0.199 | 0.155 | 0.151 | 0.141 | 0.079 | 0.017 |
| 01/1998 | 0.011 | 0.004 | 0.195 | 0.262 | 0.172 | 0.092 | 0.113 | 0.022 | 0.018 | 0.023 | 0.028 | 0.061 | 0.016 |
| 02/1994 | 0.185 | 0.225 | 0.216 | 0.176 | 0.168 | 0.148 | 0.118 | 0.083 | 0.043 | 0.025 | 0.050 | 0.089 | 0.139 |
| 01/2000 | 0.148 | 0.188 | 0.205 | 0.222 | 0.242 | 0.208 | 0.175 | 0.182 | 0.118 | 0.093 | 0.105 | 0.180 | 0.191 |
| 01/2013 | 0.111 | 0.029 | 0.028 | 0.106 | 0.135 | 0.071 | 0.072 | 0.039 | 0.024 | 0.063 | 0.097 | 0.082 | 0.068 |
| 01/2000 | 0.148 | 0.188 | 0.205 | 0.222 | 0.242 | 0.208 | 0.175 | 0.182 | 0.118 | 0.093 | 0.105 | 0.180 | 0.191 |
| 09/1994 | 0.083 | 0.043 | 0.025 | 0.050 | 0.089 | 0.139 | 0.150 | 0.181 | 0.199 | 0.155 | 0.151 | 0.141 | 0.079 |
| 01/1998 | 0.011 | 0.004 | 0.195 | 0.262 | 0.172 | 0.092 | 0.113 | 0.022 | 0.018 | 0.023 | 0.028 | 0.061 | 0.016 |
| 01/2004 | 0.089 | 0.056 | 0.110 | 0.174 | 0.132 | 0.151 | 0.137 | 0.107 | 0.090 | 0.060 | 0.056 | 0.072 | 0.035 |
| 03/2015 | 0.217 | 0.224 | 0.202 | 0.192 | 0.154 | 0.126 | 0.049 | 0.054 | 0.044 | 0.009 | 0.006 | 0.087 | 0.179 |
| 01/2021 | 0.024 | 0.013 | 0.110 | 0.186 | 0.187 | 0.165 | 0.156 | 0.087 | 0.071 | 0.059 | 0.051 | 0.063 | 0.091 |
| 06/1993 | 0.143 | 0.092 | 0.032 | 0.068 | 0.031 | 0.036 | 0.054 | 0.056 | 0.185 | 0.225 | 0.216 | 0.176 | 0.168 |
| 04/1995 | 0.181 | 0.199 | 0.155 | 0.151 | 0.141 | 0.079 | 0.017 | 0.068 | 0.033 | 0.030 | 0.033 | 0.152 | 0.203 |
| 01/1996 | 0.030 | 0.033 | 0.152 | 0.203 | 0.173 | 0.172 | 0.117 | 0.109 | 0.081 | 0.080 | 0.079 | 0.056 | 0.064 |
| 01/1998 | 0.011 | 0.004 | 0.195 | 0.262 | 0.172 | 0.092 | 0.113 | 0.022 | 0.018 | 0.023 | 0.028 | 0.061 | 0.016 |
| 01/1999 | 0.016 | 0.060 | 0.126 | 0.156 | 0.169 | 0.172 | 0.105 | 0.017 | 0.010 | 0.005 | 0.035 | 0.088 | 0.148 |
| 01/2013 | 0.111 | 0.029 | 0.028 | 0.106 | 0.135 | 0.071 | 0.072 | 0.039 | 0.024 | 0.063 | 0.097 | 0.082 | 0.068 |
| 03/2015 | 0.217 | 0.224 | 0.202 | 0.192 | 0.154 | 0.126 | 0.049 | 0.054 | 0.044 | 0.009 | 0.006 | 0.087 | 0.179 |
| 01/1996 | 0.030 | 0.033 | 0.152 | 0.203 | 0.173 | 0.172 | 0.117 | 0.109 | 0.081 | 0.080 | 0.079 | 0.056 | 0.064 |
| 01/1997 | 0.064 | 0.128 | 0.249 | 0.219 | 0.182 | 0.182 | 0.108 | 0.057 | 0.014 | 0.038 | 0.062 | 0.058 | 0.011 |
| 01/1998 | 0.011 | 0.004 | 0.195 | 0.262 | 0.172 | 0.092 | 0.113 | 0.022 | 0.018 | 0.023 | 0.028 | 0.061 | 0.016 |
| 01/1999 | 0.016 | 0.060 | 0.126 | 0.156 | 0.169 | 0.172 | 0.105 | 0.017 | 0.010 | 0.005 | 0.035 | 0.088 | 0.148 |
| 01/2000 | 0.148 | 0.188 | 0.205 | 0.222 | 0.242 | 0.208 | 0.175 | 0.182 | 0.118 | 0.093 | 0.105 | 0.180 | 0.191 |
| 02/2001 | 0.224 | 0.216 | 0.222 | 0.225 | 0.206 | 0.116 | 0.079 | 0.027 | 0.032 | 0.004 | 0.089 | 0.130 | 0.145 |
| 03/2019 | 0.217 | 0.224 | 0.202 | 0.192 | 0.154 | 0.126 | 0.049 | 0.054 | 0.044 | 0.009 | 0.006 | 0.087 | 0.179 |
| 06/1993 | 0.143 | 0.092 | 0.032 | 0.068 | 0.031 | 0.036 | 0.054 | 0.056 | 0.185 | 0.225 | 0.216 | 0.176 | 0.168 |
| 01/2000 | 0.148 | 0.188 | 0.205 | 0.222 | 0.242 | 0.208 | 0.175 | 0.182 | 0.118 | 0.093 | 0.105 | 0.180 | 0.191 |
| 03/2014 | 0.025 | 0.129 | 0.150 | 0.098 | 0.087 | 0.029 | 0.015 | 0.062 | 0.050 | 0.033 | 0.035 | 0.165 | 0.217 |
| 06/1993 | 0.143 | 0.092 | 0.032 | 0.068 | 0.031 | 0.036 | 0.054 | 0.056 | 0.185 | 0.225 | 0.216 | 0.176 | 0.168 |
| 10/1994 | 0.043 | 0.025 | 0.050 | 0.089 | 0.139 | 0.150 | 0.181 | 0.199 | 0.155 | 0.151 | 0.141 | 0.079 | 0.017 |
| 01/2010 | 0.200 | 0.195 | 0.150 | 0.114 | 0.101 | 0.126 | 0.114 | 0.132 | 0.166 | 0.177 | 0.161 | 0.165 | 0.185 |
| 09/2013 | 0.236 | 0.223 | 0.202 | 0.177 | 0.164 | 0.179 | 0.165 | 0.152 | 0.175 | 0.157 | 0.161 | 0.172 | 0.182 |
| 10/2015 | 0.171 | 0.157 | 0.172 | 0.191 | 0.181 | 0.182 | 0.174 | 0.198 | 0.180 | 0.162 | 0.131 | 0.155 | 0.168 |
| 01/2020 | 0.178 | 0.159 | 0.148 | 0.102 | 0.102 | 0.105 | 0.133 | 0.150 | 0.157 | 0.169 | 0.172 | 0.170 | 0.167 |
| 12/1995 | 0.172 | 0.147 | 0.127 | 0.138 | 0.138 | 0.147 | 0.163 | 0.135 | 0.128 | 0.150 | 0.180 | 0.201 | 0.179 |
| 11/1996 | 0.201 | 0.179 | 0.171 | 0.163 | 0.165 | 0.160 | 0.136 | 0.122 | 0.123 | 0.142 | 0.176 | 0.177 | 0.207 |
| 09/2018 | 0.154 | 0.164 | 0.167 | 0.171 | 0.127 | 0.147 | 0.168 | 0.138 | 0.140 | 0.148 | 0.163 | 0.158 | 0.159 |
| 11/2008 | 0.065 | 0.072 | 0.048 | 0.085 | 0.343 | 0.414 | 0.331 | 0.319 | 0.232 | 0.117 | 0.077 | 0.125 | 0.250 |
| 11/2018 | 0.065 | 0.072 | 0.048 | 0.085 | 0.343 | 0.414 | 0.331 | 0.319 | 0.232 | 0.117 | 0.077 | 0.125 | 0.250 |
| 10/1995 | 0.072 | 0.061 | 0.061 | 0.147 | 0.329 | 0.400 | 0.367 | 0.319 | 0.306 | 0.278 | 0.226 | 0.163 | 0.106 |
| 10/1998 | 0.046 | 0.097 | 0.048 | 0.069 | 0.132 | 0.278 | 0.337 | 0.313 | 0.295 | 0.217 | 0.079 | 0.085 | 0.072 |
| 09/2001 | 0.124 | 0.123 | 0.091 | 0.211 | 0.261 | 0.263 | 0.250 | 0.377 | 0.278 | 0.281 | 0.240 | 0.157 | 0.051 |
| 08/2004 | 0.247 | 0.190 | 0.145 | 0.164 | 0.175 | 0.150 | 0.123 | 0.282 | 0.344 | 0.246 | 0.264 | 0.247 | 0.175 |
| 10/2006 | 0.076 | 0.095 | 0.120 | 0.109 | 0.169 | 0.329 | 0.364 | 0.369 | 0.294 | 0.283 | 0.220 | 0.151 | 0.126 |
| 11/2009 | 0.149 | 0.163 | 0.155 | 0.091 | 0.187 | 0.222 | 0.224 | 0.110 | 0.185 | 0.155 | 0.226 | 0.199 | 0.110 |
| 11/2010 | 0.110 | 0.152 | 0.133 | 0.087 | 0.065 | 0.142 | 0.254 | 0.263 | 0.199 | 0.126 | 0.100 | 0.153 | 0.158 |
| 10/2012 | 0.157 | 0.124 | 0.136 | 0.129 | 0.098 | 0.109 | 0.208 | 0.213 | 0.157 | 0.138 | 0.072 | 0.020 | 0.053 |

| | | | | | | | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10/1994 | 0.045 | 0.044 | 0.065 | 0.087 | 0.246 | 0.298 | 0.270 | 0.228 | 0.220 | 0.196 | 0.157 | 0.112 | 0.065 |
| 10/1997 | 0.040 | 0.070 | 0.066 | 0.023 | 0.016 | 0.253 | 0.337 | 0.225 | 0.113 | 0.146 | 0.045 | 0.025 | 0.025 |
| 01/2001 | 0.253 | 0.295 | 0.293 | 0.304 | 0.292 | 0.261 | 0.154 | 0.106 | 0.043 | 0.055 | 0.028 | 0.132 | 0.178 |
| 10/2012 | 0.157 | 0.116 | 0.130 | 0.121 | 0.030 | 0.036 | 0.142 | 0.159 | 0.097 | 0.090 | 0.057 | 0.027 | 0.064 |
| 11/2014 | 0.052 | 0.023 | 0.063 | 0.225 | 0.296 | 0.295 | 0.261 | 0.246 | 0.200 | 0.163 | 0.076 | 0.085 | 0.075 |
| 10/1997 | 0.257 | 0.237 | 0.204 | 0.195 | 0.271 | 0.518 | 0.499 | 0.421 | 0.416 | 0.271 | 0.185 | 0.080 | 0.080 |
| 12/1992 | 0.128 | 0.094 | 0.095 | 0.382 | 0.388 | 0.312 | 0.237 | 0.169 | 0.093 | 0.042 | 0.077 | 0.049 | 0.096 |
| 10/1993 | 0.155 | 0.141 | 0.096 | 0.097 | 0.107 | 0.074 | 0.206 | 0.278 | 0.316 | 0.212 | 0.044 | 0.049 | 0.117 |
| 10/1996 | 0.188 | 0.087 | 0.055 | 0.087 | 0.133 | 0.277 | 0.343 | 0.433 | 0.391 | 0.261 | 0.320 | 0.255 | 0.257 |
| 10/1999 | 0.070 | 0.162 | 0.106 | 0.115 | 0.198 | 0.338 | 0.395 | 0.400 | 0.406 | 0.286 | 0.121 | 0.141 | 0.152 |
| 08/2002 | 0.207 | 0.125 | 0.145 | 0.104 | 0.234 | 0.293 | 0.276 | 0.279 | 0.451 | 0.291 | 0.312 | 0.293 | 0.188 |
| 10/2012 | 0.179 | 0.093 | 0.128 | 0.128 | 0.307 | 0.324 | 0.375 | 0.319 | 0.213 | 0.170 | 0.055 | 0.055 | 0.129 |
| 12/2014 | 0.061 | 0.051 | 0.114 | 0.122 | 0.292 | 0.322 | 0.231 | 0.182 | 0.167 | 0.131 | 0.046 | 0.059 | 0.072 |
| 10/1993 | 0.077 | 0.049 | 0.096 | 0.111 | 0.125 | 0.019 | 0.106 | 0.161 | 0.188 | 0.120 | 0.040 | 0.070 | 0.045 |
| 01/1997 | 0.094 | 0.168 | 0.318 | 0.295 | 0.238 | 0.241 | 0.147 | 0.083 | 0.021 | 0.040 | 0.070 | 0.066 | 0.023 |
| 10/1999 | 0.035 | 0.064 | 0.120 | 0.194 | 0.242 | 0.266 | 0.289 | 0.308 | 0.266 | 0.225 | 0.237 | 0.166 | 0.142 |
| 10/2012 | 0.157 | 0.116 | 0.130 | 0.121 | 0.030 | 0.036 | 0.142 | 0.159 | 0.097 | 0.090 | 0.057 | 0.027 | 0.064 |
| 12/2021 | 0.023 | 0.063 | 0.225 | 0.296 | 0.295 | 0.261 | 0.246 | 0.200 | 0.163 | 0.076 | 0.085 | 0.075 | 0.042 |
| 11/2008 | 0.065 | 0.072 | 0.048 | 0.085 | 0.343 | 0.414 | 0.331 | 0.319 | 0.232 | 0.117 | 0.077 | 0.125 | 0.250 |
| 10/1994 | 0.117 | 0.105 | 0.085 | 0.199 | 0.396 | 0.485 | 0.449 | 0.399 | 0.382 | 0.348 | 0.286 | 0.206 | 0.140 |
| 10/1997 | 0.257 | 0.237 | 0.204 | 0.195 | 0.271 | 0.518 | 0.499 | 0.421 | 0.416 | 0.271 | 0.185 | 0.080 | 0.080 |
| 02/2001 | 0.380 | 0.398 | 0.470 | 0.496 | 0.445 | 0.374 | 0.389 | 0.300 | 0.266 | 0.257 | 0.397 | 0.419 | 0.466 |
| 09/2003 | 0.059 | 0.049 | 0.091 | 0.064 | 0.056 | 0.071 | 0.100 | 0.211 | 0.288 | 0.257 | 0.275 | 0.203 | 0.085 |
| 09/2006 | 0.166 | 0.209 | 0.209 | 0.221 | 0.256 | 0.205 | 0.329 | 0.438 | 0.325 | 0.376 | 0.395 | 0.395 | 0.221 |
| 11/2009 | 0.250 | 0.216 | 0.160 | 0.145 | 0.373 | 0.399 | 0.341 | 0.284 | 0.250 | 0.189 | 0.110 | 0.079 | 0.097 |
| 10/1993 | 0.085 | 0.075 | 0.042 | 0.104 | 0.119 | 0.041 | 0.160 | 0.225 | 0.258 | 0.171 | 0.037 | 0.053 | 0.072 |
| 10/1995 | 0.106 | 0.036 | 0.133 | 0.094 | 0.133 | 0.254 | 0.296 | 0.361 | 0.316 | 0.237 | 0.264 | 0.199 | 0.194 |
| 10/1999 | 0.072 | 0.121 | 0.171 | 0.241 | 0.305 | 0.340 | 0.390 | 0.397 | 0.362 | 0.295 | 0.293 | 0.223 | 0.202 |
| 08/2002 | 0.157 | 0.051 | 0.077 | 0.124 | 0.106 | 0.108 | 0.121 | 0.118 | 0.189 | 0.219 | 0.210 | 0.222 | 0.159 |
| 10/2012 | 0.157 | 0.124 | 0.136 | 0.129 | 0.098 | 0.109 | 0.208 | 0.213 | 0.157 | 0.138 | 0.072 | 0.020 | 0.053 |
| 12/2019 | 0.034 | 0.090 | 0.280 | 0.371 | 0.376 | 0.332 | 0.305 | 0.259 | 0.218 | 0.127 | 0.128 | 0.116 | 0.064 |
| 10/1993 | 0.155 | 0.141 | 0.096 | 0.097 | 0.107 | 0.074 | 0.206 | 0.278 | 0.316 | 0.212 | 0.044 | 0.049 | 0.117 |
| 10/1994 | 0.117 | 0.105 | 0.085 | 0.199 | 0.396 | 0.485 | 0.449 | 0.399 | 0.382 | 0.348 | 0.286 | 0.206 | 0.140 |
| 10/1995 | 0.140 | 0.064 | 0.181 | 0.231 | 0.303 | 0.345 | 0.405 | 0.442 | 0.375 | 0.364 | 0.318 | 0.253 | 0.188 |
| 10/1996 | 0.188 | 0.087 | 0.055 | 0.087 | 0.133 | 0.277 | 0.343 | 0.433 | 0.391 | 0.261 | 0.320 | 0.255 | 0.257 |
| 10/1997 | 0.257 | 0.237 | 0.204 | 0.195 | 0.271 | 0.518 | 0.499 | 0.421 | 0.416 | 0.271 | 0.185 | 0.080 | 0.080 |
| 07/2001 | 0.374 | 0.389 | 0.300 | 0.266 | 0.257 | 0.397 | 0.419 | 0.466 | 0.462 | 0.475 | 0.488 | 0.443 | 0.287 |
| 08/2003 | 0.188 | 0.059 | 0.049 | 0.091 | 0.064 | 0.056 | 0.071 | 0.100 | 0.211 | 0.288 | 0.257 | 0.275 | 0.203 |
| 10/2006 | 0.209 | 0.209 | 0.221 | 0.256 | 0.205 | 0.329 | 0.438 | 0.325 | 0.376 | 0.395 | 0.395 | 0.221 | 0.098 |
| 10/2010 | 0.079 | 0.097 | 0.116 | 0.096 | 0.084 | 0.065 | 0.192 | 0.335 | 0.388 | 0.332 | 0.229 | 0.193 | 0.253 |
| 10/2012 | 0.179 | 0.093 | 0.128 | 0.128 | 0.307 | 0.324 | 0.375 | 0.319 | 0.213 | 0.170 | 0.055 | 0.055 | 0.129 |
| 11/2008 | 0.065 | 0.072 | 0.048 | 0.085 | 0.343 | 0.414 | 0.331 | 0.319 | 0.232 | 0.117 | 0.077 | 0.125 | 0.250 |
| 10/1995 | 0.065 | 0.026 | 0.081 | 0.123 | 0.185 | 0.196 | 0.235 | 0.260 | 0.207 | 0.200 | 0.181 | 0.117 | 0.049 |
| 10/1998 | 0.025 | 0.058 | 0.078 | 0.037 | 0.092 | 0.179 | 0.215 | 0.223 | 0.228 | 0.141 | 0.038 | 0.037 | 0.035 |
| 01/2011 | 0.154 | 0.115 | 0.066 | 0.077 | 0.182 | 0.212 | 0.159 | 0.082 | 0.062 | 0.102 | 0.114 | 0.036 | 0.059 |
| 11/2008 | 0.065 | 0.072 | 0.048 | 0.085 | 0.343 | 0.414 | 0.331 | 0.319 | 0.232 | 0.117 | 0.077 | 0.125 | 0.250 |
| 11/2009 | 0.250 | 0.216 | 0.160 | 0.145 | 0.373 | 0.399 | 0.341 | 0.284 | 0.250 | 0.189 | 0.110 | 0.079 | 0.097 |
| 10/2012 | 0.179 | 0.093 | 0.128 | 0.128 | 0.307 | 0.324 | 0.375 | 0.319 | 0.213 | 0.170 | 0.055 | 0.055 | 0.129 |
| 12/2014 | 0.061 | 0.051 | 0.114 | 0.122 | 0.292 | 0.322 | 0.231 | 0.182 | 0.167 | 0.131 | 0.046 | 0.059 | 0.072 |
| 10/1994 | 0.072 | 0.061 | 0.061 | 0.147 | 0.329 | 0.400 | 0.367 | 0.319 | 0.306 | 0.278 | 0.226 | 0.163 | 0.106 |
| 10/1997 | 0.085 | 0.092 | 0.096 | 0.086 | 0.086 | 0.344 | 0.428 | 0.313 | 0.197 | 0.202 | 0.109 | 0.047 | 0.046 |
| 09/2003 | 0.044 | 0.075 | 0.184 | 0.120 | 0.204 | 0.147 | 0.110 | 0.153 | 0.240 | 0.244 | 0.280 | 0.247 | 0.190 |

| | | | | | | | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 11/2008 | 0.143 | 0.125 | 0.095 | 0.108 | 0.320 | 0.342 | 0.287 | 0.245 | 0.206 | 0.121 | 0.050 | 0.072 | 0.149 |
| 11/2009 | 0.149 | 0.163 | 0.155 | 0.091 | 0.187 | 0.222 | 0.224 | 0.110 | 0.185 | 0.155 | 0.226 | 0.199 | 0.110 |
| 11/2010 | 0.110 | 0.152 | 0.133 | 0.087 | 0.065 | 0.142 | 0.254 | 0.263 | 0.199 | 0.126 | 0.100 | 0.153 | 0.158 |
| 10/2012 | 0.157 | 0.124 | 0.136 | 0.129 | 0.098 | 0.109 | 0.208 | 0.213 | 0.157 | 0.138 | 0.072 | 0.020 | 0.053 |
| 12/2014 | 0.034 | 0.090 | 0.280 | 0.371 | 0.376 | 0.332 | 0.305 | 0.259 | 0.218 | 0.127 | 0.128 | 0.116 | 0.064 |
| 10/1994 | 0.072 | 0.061 | 0.061 | 0.147 | 0.329 | 0.400 | 0.367 | 0.319 | 0.306 | 0.278 | 0.226 | 0.163 | 0.106 |
| 10/1997 | 0.085 | 0.092 | 0.096 | 0.086 | 0.086 | 0.344 | 0.428 | 0.313 | 0.197 | 0.202 | 0.109 | 0.047 | 0.046 |
| 11/2008 | 0.143 | 0.125 | 0.095 | 0.108 | 0.320 | 0.342 | 0.287 | 0.245 | 0.206 | 0.121 | 0.050 | 0.072 | 0.149 |
| 11/2009 | 0.149 | 0.163 | 0.155 | 0.091 | 0.187 | 0.222 | 0.224 | 0.110 | 0.185 | 0.155 | 0.226 | 0.199 | 0.110 |
| 12/2014 | 0.034 | 0.090 | 0.280 | 0.371 | 0.376 | 0.332 | 0.305 | 0.259 | 0.218 | 0.127 | 0.128 | 0.116 | 0.064 |
| 10/1993 | 0.155 | 0.141 | 0.096 | 0.097 | 0.107 | 0.074 | 0.206 | 0.278 | 0.316 | 0.212 | 0.044 | 0.049 | 0.117 |
| 12/1993 | 0.188 | 0.229 | 0.222 | 0.115 | 0.073 | 0.063 | 0.049 | 0.063 | 0.145 | 0.205 | 0.211 | 0.239 | 0.252 |
| 05/1997 | 0.086 | 0.086 | 0.044 | 0.059 | 0.057 | 0.098 | 0.157 | 0.147 | 0.132 | 0.049 | 0.142 | 0.068 | 0.033 |
| 05/2001 | 0.171 | 0.072 | 0.064 | 0.034 | 0.055 | 0.088 | 0.086 | 0.030 | 0.021 | 0.091 | 0.141 | 0.128 | 0.144 |
| 11/2022 | 0.171 | 0.133 | 0.088 | 0.065 | 0.063 | 0.075 | 0.058 | 0.029 | 0.059 | 0.091 | 0.147 | 0.210 | 0.258 |
| 02/2004 | 0.158 | 0.100 | 0.101 | 0.070 | 0.062 | 0.072 | 0.089 | 0.162 | 0.178 | 0.177 | 0.233 | 0.197 | 0.168 |
| 03/2005 | 0.125 | 0.134 | 0.056 | 0.059 | 0.035 | 0.060 | 0.096 | 0.154 | 0.175 | 0.163 | 0.144 | 0.118 | 0.044 |
| 03/2007 | 0.047 | 0.050 | 0.032 | 0.056 | 0.066 | 0.080 | 0.123 | 0.197 | 0.189 | 0.214 | 0.178 | 0.069 | 0.048 |
| 05/2018 | 0.038 | 0.066 | 0.085 | 0.123 | 0.183 | 0.210 | 0.196 | 0.191 | 0.048 | 0.052 | 0.016 | 0.077 | 0.063 |
| 09/2020 | 0.111 | 0.144 | 0.181 | 0.108 | 0.007 | 0.043 | 0.084 | 0.044 | 0.048 | 0.036 | 0.046 | 0.028 | 0.091 |
| 12/2002 | 0.088 | 0.054 | 0.016 | 0.039 | 0.063 | 0.049 | 0.007 | 0.043 | 0.069 | 0.107 | 0.156 | 0.184 | 0.196 |
| 03/2021 | 0.078 | 0.056 | 0.071 | 0.079 | 0.072 | 0.090 | 0.140 | 0.205 | 0.236 | 0.241 | 0.139 | 0.125 | 0.071 |
| 05/1997 | 0.094 | 0.032 | 0.034 | 0.079 | 0.161 | 0.167 | 0.171 | 0.183 | 0.094 | 0.022 | 0.147 | 0.062 | 0.043 |
| 04/1998 | 0.062 | 0.043 | 0.060 | 0.043 | 0.076 | 0.132 | 0.127 | 0.149 | 0.176 | 0.123 | 0.100 | 0.162 | 0.154 |
| 06/1999 | 0.019 | 0.014 | 0.079 | 0.137 | 0.145 | 0.125 | 0.165 | 0.060 | 0.114 | 0.076 | 0.067 | 0.052 | 0.065 |
| 03/2000 | 0.076 | 0.067 | 0.052 | 0.065 | 0.105 | 0.145 | 0.143 | 0.143 | 0.104 | 0.062 | 0.038 | 0.093 | 0.156 |
| 12/2002 | 0.088 | 0.054 | 0.016 | 0.039 | 0.063 | 0.049 | 0.007 | 0.043 | 0.069 | 0.107 | 0.156 | 0.184 | 0.196 |
| 11/2003 | 0.184 | 0.196 | 0.163 | 0.100 | 0.040 | 0.035 | 0.031 | 0.038 | 0.046 | 0.056 | 0.120 | 0.138 | 0.132 |
| 05/2005 | 0.021 | 0.035 | 0.006 | 0.047 | 0.082 | 0.118 | 0.130 | 0.118 | 0.105 | 0.085 | 0.059 | 0.110 | 0.020 |
| 05/2015 | 0.023 | 0.037 | 0.041 | 0.064 | 0.106 | 0.147 | 0.140 | 0.158 | 0.105 | 0.039 | 0.019 | 0.023 | 0.042 |
| 02/2021 | 0.067 | 0.048 | 0.026 | 0.020 | 0.020 | 0.046 | 0.096 | 0.101 | 0.087 | 0.113 | 0.104 | 0.166 | 0.172 |
| 04/1998 | 0.138 | 0.100 | 0.084 | 0.098 | 0.090 | 0.067 | 0.111 | 0.148 | 0.120 | 0.175 | 0.141 | 0.179 | 0.157 |
| 05/2001 | 0.165 | 0.079 | 0.070 | 0.068 | 0.093 | 0.099 | 0.096 | 0.066 | 0.055 | 0.084 | 0.112 | 0.131 | 0.134 |
| 03/1993 | 0.034 | 0.070 | 0.082 | 0.095 | 0.100 | 0.147 | 0.189 | 0.211 | 0.197 | 0.188 | 0.229 | 0.222 | 0.115 |
| 05/1999 | 0.096 | 0.026 | 0.060 | 0.122 | 0.179 | 0.193 | 0.177 | 0.232 | 0.109 | 0.158 | 0.118 | 0.104 | 0.072 |
| 03/1993 | 0.058 | 0.092 | 0.068 | 0.004 | 0.049 | 0.063 | 0.074 | 0.120 | 0.107 | 0.117 | 0.210 | 0.207 | 0.090 |
| 06/1999 | 0.068 | 0.070 | 0.117 | 0.166 | 0.177 | 0.166 | 0.207 | 0.108 | 0.159 | 0.128 | 0.103 | 0.074 | 0.089 |
| 05/1999 | 0.076 | 0.068 | 0.070 | 0.117 | 0.166 | 0.177 | 0.166 | 0.207 | 0.108 | 0.159 | 0.128 | 0.103 | 0.074 |
| 03/1997 | 0.064 | 0.056 | 0.086 | 0.086 | 0.044 | 0.059 | 0.057 | 0.098 | 0.157 | 0.147 | 0.132 | 0.049 | 0.142 |
| 03/2000 | 0.118 | 0.104 | 0.072 | 0.082 | 0.132 | 0.191 | 0.192 | 0.191 | 0.139 | 0.085 | 0.041 | 0.096 | 0.161 |
| 12/2002 | 0.133 | 0.088 | 0.065 | 0.063 | 0.075 | 0.058 | 0.029 | 0.059 | 0.091 | 0.147 | 0.210 | 0.258 | 0.268 |
| 05/2005 | 0.056 | 0.059 | 0.035 | 0.060 | 0.096 | 0.154 | 0.175 | 0.163 | 0.144 | 0.118 | 0.044 | 0.092 | 0.048 |
| 03/2007 | 0.047 | 0.050 | 0.032 | 0.056 | 0.066 | 0.080 | 0.123 | 0.197 | 0.189 | 0.214 | 0.178 | 0.069 | 0.048 |
| 03/2022 | 0.084 | 0.044 | 0.048 | 0.036 | 0.046 | 0.028 | 0.091 | 0.138 | 0.174 | 0.202 | 0.213 | 0.219 | 0.089 |
| 03/2007 | 0.044 | 0.040 | 0.039 | 0.068 | 0.080 | 0.099 | 0.141 | 0.190 | 0.178 | 0.203 | 0.161 | 0.064 | 0.039 |
| 03/2000 | 0.118 | 0.104 | 0.072 | 0.082 | 0.132 | 0.191 | 0.192 | 0.191 | 0.139 | 0.085 | 0.041 | 0.096 | 0.161 |
| 11/2002 | 0.171 | 0.133 | 0.088 | 0.065 | 0.063 | 0.075 | 0.058 | 0.029 | 0.059 | 0.091 | 0.147 | 0.210 | 0.258 |
| 05/2005 | 0.056 | 0.059 | 0.035 | 0.060 | 0.096 | 0.154 | 0.175 | 0.163 | 0.144 | 0.118 | 0.044 | 0.092 | 0.048 |
| 03/2007 | 0.047 | 0.050 | 0.032 | 0.056 | 0.066 | 0.080 | 0.123 | 0.197 | 0.189 | 0.214 | 0.178 | 0.069 | 0.048 |
| 11/2001 | 0.055 | 0.020 | 0.025 | 0.093 | 0.137 | 0.138 | 0.147 | 0.113 | 0.022 | 0.016 | 0.090 | 0.097 | 0.122 |
| 05/2005 | 0.021 | 0.035 | 0.006 | 0.047 | 0.082 | 0.118 | 0.130 | 0.118 | 0.105 | 0.085 | 0.059 | 0.110 | 0.020 |
| 02/2020 | 0.180 | 0.094 | 0.062 | 0.073 | 0.085 | 0.104 | 0.091 | 0.093 | 0.104 | 0.089 | 0.061 | 0.049 | 0.039 |

| | | | | | | | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 03/1996 | 0.047 | 0.062 | 0.075 | 0.038 | 0.056 | 0.051 | 0.047 | 0.167 | 0.250 | 0.179 | 0.128 | 0.105 | 0.057 |
| 02/1999 | 0.132 | 0.176 | 0.234 | 0.123 | 0.027 | 0.071 | 0.140 | 0.186 | 0.191 | 0.182 | 0.286 | 0.123 | 0.129 |
| 08/2001 | 0.085 | 0.013 | 0.067 | 0.058 | 0.073 | 0.090 | 0.174 | 0.199 | 0.193 | 0.182 | 0.145 | 0.051 | 0.031 |
| 12/2016 | 0.203 | 0.194 | 0.075 | 0.058 | 0.082 | 0.073 | 0.075 | 0.036 | 0.099 | 0.114 | 0.089 | 0.127 | 0.128 |
| 05/1995 | 0.140 | 0.067 | 0.025 | 0.080 | 0.103 | 0.144 | 0.198 | 0.110 | 0.099 | 0.045 | 0.047 | 0.062 | 0.075 |
| 02/1998 | 0.041 | 0.197 | 0.142 | 0.074 | 0.072 | 0.044 | 0.102 | 0.174 | 0.214 | 0.235 | 0.248 | 0.167 | 0.132 |
| 06/2000 | 0.073 | 0.120 | 0.185 | 0.189 | 0.185 | 0.120 | 0.065 | 0.078 | 0.166 | 0.227 | 0.255 | 0.240 | 0.148 |
| 11/2001 | 0.058 | 0.073 | 0.090 | 0.174 | 0.199 | 0.193 | 0.182 | 0.145 | 0.051 | 0.031 | 0.100 | 0.137 | 0.174 |
| 04/2015 | 0.089 | 0.033 | 0.040 | 0.048 | 0.085 | 0.149 | 0.223 | 0.281 | 0.276 | 0.136 | 0.048 | 0.109 | 0.120 |
| 12/2022 | 0.276 | 0.136 | 0.048 | 0.109 | 0.120 | 0.088 | 0.073 | 0.051 | 0.063 | 0.137 | 0.141 | 0.157 | 0.203 |
| 05/2000 | 0.067 | 0.054 | 0.053 | 0.050 | 0.051 | 0.057 | 0.062 | 0.067 | 0.052 | 0.132 | 0.194 | 0.223 | 0.205 |
| 12/2016 | 0.115 | 0.192 | 0.080 | 0.047 | 0.057 | 0.055 | 0.057 | 0.035 | 0.105 | 0.123 | 0.098 | 0.129 | 0.133 |
| 02/2018 | 0.180 | 0.094 | 0.062 | 0.073 | 0.085 | 0.104 | 0.091 | 0.093 | 0.104 | 0.089 | 0.061 | 0.049 | 0.039 |
| 02/1997 | 0.189 | 0.120 | 0.077 | 0.080 | 0.092 | 0.107 | 0.092 | 0.089 | 0.098 | 0.082 | 0.051 | 0.100 | 0.050 |
| 02/1998 | 0.050 | 0.249 | 0.203 | 0.099 | 0.100 | 0.050 | 0.085 | 0.166 | 0.216 | 0.237 | 0.241 | 0.161 | 0.127 |
| 02/1999 | 0.127 | 0.209 | 0.287 | 0.166 | 0.083 | 0.076 | 0.131 | 0.179 | 0.184 | 0.177 | 0.296 | 0.136 | 0.132 |
| 02/2000 | 0.132 | 0.085 | 0.058 | 0.084 | 0.075 | 0.112 | 0.189 | 0.181 | 0.173 | 0.107 | 0.062 | 0.114 | 0.209 |
| 09/2007 | 0.089 | 0.125 | 0.167 | 0.090 | 0.160 | 0.049 | 0.170 | 0.200 | 0.190 | 0.134 | 0.054 | 0.044 | 0.058 |
| 04/2022 | 0.098 | 0.057 | 0.065 | 0.079 | 0.145 | 0.205 | 0.228 | 0.186 | 0.161 | 0.126 | 0.088 | 0.157 | 0.175 |
| 02/2010 | 0.116 | 0.034 | 0.025 | 0.074 | 0.086 | 0.103 | 0.135 | 0.187 | 0.218 | 0.222 | 0.210 | 0.138 | 0.070 |
| 11/2010 | 0.222 | 0.210 | 0.138 | 0.070 | 0.065 | 0.071 | 0.093 | 0.103 | 0.159 | 0.204 | 0.221 | 0.241 | 0.216 |
| 01/2012 | 0.206 | 0.155 | 0.123 | 0.105 | 0.119 | 0.156 | 0.175 | 0.193 | 0.188 | 0.177 | 0.142 | 0.138 | 0.150 |
| 12/2022 | 0.163 | 0.142 | 0.131 | 0.135 | 0.132 | 0.152 | 0.151 | 0.148 | 0.170 | 0.183 | 0.184 | 0.163 | 0.151 |
| 08/2001 | 0.088 | 0.130 | 0.150 | 0.169 | 0.176 | 0.094 | 0.062 | 0.026 | 0.042 | 0.022 | 0.020 | 0.031 | 0.075 |
| 11/2010 | 0.222 | 0.210 | 0.138 | 0.070 | 0.065 | 0.071 | 0.093 | 0.103 | 0.159 | 0.204 | 0.221 | 0.241 | 0.216 |
| 02/2017 | 0.112 | 0.097 | 0.083 | 0.077 | 0.079 | 0.100 | 0.133 | 0.133 | 0.116 | 0.118 | 0.130 | 0.117 | 0.126 |
| 07/2006 | 0.073 | 0.090 | 0.121 | 0.151 | 0.170 | 0.147 | 0.140 | 0.095 | 0.050 | 0.054 | 0.069 | 0.119 | 0.138 |
| 02/2010 | 0.116 | 0.034 | 0.025 | 0.074 | 0.086 | 0.103 | 0.135 | 0.187 | 0.218 | 0.222 | 0.210 | 0.138 | 0.070 |
| 11/2011 | 0.216 | 0.234 | 0.206 | 0.155 | 0.123 | 0.105 | 0.119 | 0.156 | 0.175 | 0.193 | 0.188 | 0.177 | 0.142 |
| 12/2013 | 0.163 | 0.142 | 0.131 | 0.135 | 0.132 | 0.152 | 0.151 | 0.148 | 0.170 | 0.183 | 0.184 | 0.163 | 0.151 |
| 05/2006 | 0.105 | 0.088 | 0.073 | 0.090 | 0.121 | 0.151 | 0.170 | 0.147 | 0.140 | 0.095 | 0.050 | 0.054 | 0.069 |
| 06/2018 | 0.083 | 0.102 | 0.107 | 0.116 | 0.130 | 0.130 | 0.133 | 0.119 | 0.087 | 0.048 | 0.090 | 0.139 | 0.128 |
| 12/2013 | 0.163 | 0.142 | 0.131 | 0.135 | 0.132 | 0.152 | 0.151 | 0.148 | 0.170 | 0.183 | 0.184 | 0.163 | 0.151 |
| 03/2016 | 0.090 | 0.063 | 0.084 | 0.081 | 0.090 | 0.115 | 0.127 | 0.141 | 0.140 | 0.149 | 0.154 | 0.112 | 0.097 |
| 03/2018 | 0.087 | 0.077 | 0.082 | 0.106 | 0.127 | 0.123 | 0.110 | 0.114 | 0.132 | 0.111 | 0.072 | 0.090 | 0.066 |
| 06/2008 | 0.083 | 0.102 | 0.107 | 0.116 | 0.130 | 0.130 | 0.133 | 0.119 | 0.087 | 0.048 | 0.090 | 0.139 | 0.128 |
| 01/2010 | 0.120 | 0.116 | 0.034 | 0.025 | 0.074 | 0.086 | 0.103 | 0.135 | 0.187 | 0.218 | 0.222 | 0.210 | 0.138 |
| 01/2012 | 0.206 | 0.155 | 0.123 | 0.105 | 0.119 | 0.156 | 0.175 | 0.193 | 0.188 | 0.177 | 0.142 | 0.138 | 0.150 |
| 12/2013 | 0.163 | 0.142 | 0.131 | 0.135 | 0.132 | 0.152 | 0.151 | 0.148 | 0.170 | 0.183 | 0.184 | 0.163 | 0.151 |
| 03/2016 | 0.090 | 0.063 | 0.084 | 0.081 | 0.090 | 0.115 | 0.127 | 0.141 | 0.140 | 0.149 | 0.154 | 0.112 | 0.097 |
| 03/2018 | 0.087 | 0.077 | 0.082 | 0.106 | 0.127 | 0.123 | 0.110 | 0.114 | 0.132 | 0.111 | 0.072 | 0.090 | 0.066 |
| 09/2023 | 0.125 | 0.116 | 0.122 | 0.101 | 0.141 | 0.116 | 0.077 | 0.034 | 0.044 | 0.072 | 0.111 | 0.125 | 0.135 |
| 02/1995 | 0.089 | 0.081 | 0.081 | 0.046 | 0.042 | 0.042 | 0.071 | 0.062 | 0.072 | 0.092 | 0.120 | 0.103 | 0.072 |
| 10/2003 | 0.179 | 0.196 | 0.198 | 0.171 | 0.139 | 0.108 | 0.088 | 0.070 | 0.073 | 0.094 | 0.114 | 0.148 | 0.173 |
| 09/2019 | 0.172 | 0.209 | 0.244 | 0.213 | 0.164 | 0.138 | 0.094 | 0.026 | 0.050 | 0.087 | 0.129 | 0.148 | 0.159 |
| 03/2016 | 0.057 | 0.097 | 0.084 | 0.063 | 0.057 | 0.104 | 0.137 | 0.148 | 0.169 | 0.186 | 0.106 | 0.098 | 0.069 |
| 10/2017 | 0.082 | 0.087 | 0.099 | 0.057 | 0.063 | 0.041 | 0.046 | 0.031 | 0.045 | 0.073 | 0.061 | 0.061 | 0.068 |
| 09/2019 | 0.076 | 0.084 | 0.078 | 0.097 | 0.106 | 0.079 | 0.060 | 0.040 | 0.048 | 0.052 | 0.078 | 0.079 | 0.084 |
| 04/1994 | 0.024 | 0.031 | 0.029 | 0.025 | 0.013 | 0.020 | 0.018 | 0.024 | 0.046 | 0.027 | 0.039 | 0.055 | 0.054 |
| 01/2006 | 0.013 | 0.000 | 0.030 | 0.025 | 0.026 | 0.033 | 0.037 | 0.030 | 0.013 | 0.030 | 0.015 | 0.023 | 0.036 |
| 01/2018 | 0.033 | 0.029 | 0.029 | 0.027 | 0.021 | 0.006 | 0.017 | 0.024 | 0.031 | 0.021 | 0.017 | 0.034 | 0.038 |
| 11/1995 | 0.059 | 0.052 | 0.074 | 0.071 | 0.059 | 0.051 | 0.053 | 0.076 | 0.047 | 0.058 | 0.083 | 0.109 | 0.080 |

| | | | | | | | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 11/1995 | 0.032 | 0.028 | 0.053 | 0.052 | 0.049 | 0.046 | 0.048 | 0.073 | 0.040 | 0.048 | 0.071 | 0.090 | 0.057 |
| 11/2004 | 0.013 | 0.006 | 0.007 | 0.019 | 0.024 | 0.013 | 0.014 | 0.025 | 0.024 | 0.019 | 0.021 | 0.046 | 0.035 |
| 10/1992 | 0.065 | 0.076 | 0.046 | 0.030 | 0.015 | 0.039 | 0.027 | 0.068 | 0.069 | 0.037 | 0.077 | 0.089 | 0.079 |
| 11/1994 | 0.019 | 0.027 | 0.011 | 0.014 | 0.058 | 0.060 | 0.074 | 0.065 | 0.072 | 0.066 | 0.060 | 0.034 | 0.032 |
| 11/1996 | 0.057 | 0.050 | 0.031 | 0.043 | 0.063 | 0.023 | 0.040 | 0.038 | 0.025 | 0.012 | 0.009 | 0.034 | 0.020 |
| 12/1997 | 0.037 | 0.030 | 0.027 | 0.094 | 0.074 | 0.072 | 0.085 | 0.047 | 0.040 | 0.053 | 0.058 | 0.031 | 0.019 |
| 12/1998 | 0.019 | 0.050 | 0.083 | 0.075 | 0.048 | 0.079 | 0.085 | 0.092 | 0.094 | 0.078 | 0.049 | 0.042 | 0.040 |
| 11/1999 | 0.042 | 0.040 | 0.043 | 0.031 | 0.045 | 0.047 | 0.036 | 0.029 | 0.015 | 0.018 | 0.044 | 0.042 | 0.048 |
| 09/2000 | 0.044 | 0.042 | 0.048 | 0.019 | 0.010 | 0.019 | 0.027 | 0.020 | 0.034 | 0.033 | 0.013 | 0.030 | 0.036 |
| 08/2001 | 0.030 | 0.036 | 0.036 | 0.045 | 0.042 | 0.023 | 0.013 | 0.011 | 0.018 | 0.014 | 0.027 | 0.018 | 0.011 |
| 09/2002 | 0.029 | 0.052 | 0.036 | 0.027 | 0.016 | 0.011 | 0.005 | 0.022 | 0.037 | 0.018 | 0.010 | 0.027 | 0.040 |
| 10/2003 | 0.043 | 0.047 | 0.041 | 0.022 | 0.008 | 0.002 | 0.034 | 0.031 | 0.028 | 0.038 | 0.012 | 0.007 | 0.013 |
| 11/2004 | 0.013 | 0.006 | 0.007 | 0.019 | 0.024 | 0.013 | 0.014 | 0.025 | 0.024 | 0.019 | 0.021 | 0.046 | 0.035 |
| 01/2006 | 0.012 | 0.029 | 0.026 | 0.072 | 0.048 | 0.031 | 0.034 | 0.023 | 0.023 | 0.028 | 0.017 | 0.007 | 0.020 |
| 11/2008 | 0.025 | 0.018 | 0.006 | 0.042 | 0.062 | 0.056 | 0.030 | 0.004 | 0.022 | 0.048 | 0.091 | 0.100 | 0.070 |
| 09/2012 | 0.091 | 0.084 | 0.061 | 0.048 | 0.039 | 0.050 | 0.055 | 0.057 | 0.086 | 0.044 | 0.038 | 0.038 | 0.058 |
| 09/2013 | 0.058 | 0.054 | 0.033 | 0.021 | 0.023 | 0.045 | 0.066 | 0.076 | 0.029 | 0.019 | 0.037 | 0.034 | 0.008 |
| 01/2017 | 0.015 | 0.012 | 0.012 | 0.022 | 0.012 | 0.012 | 0.032 | 0.025 | 0.039 | 0.026 | 0.012 | 0.014 | 0.026 |
| 02/2018 | 0.010 | 0.042 | 0.137 | 0.067 | 0.029 | 0.013 | 0.018 | 0.037 | 0.042 | 0.049 | 0.042 | 0.045 | 0.032 |
| 04/2019 | 0.060 | 0.068 | 0.041 | 0.047 | 0.033 | 0.025 | 0.031 | 0.026 | 0.018 | 0.056 | 0.089 | 0.053 | 0.042 |
| 01/2020 | 0.056 | 0.089 | 0.053 | 0.042 | 0.047 | 0.045 | 0.040 | 0.036 | 0.005 | 0.017 | 0.026 | 0.038 | 0.040 |
| 09/2020 | 0.005 | 0.017 | 0.026 | 0.038 | 0.040 | 0.060 | 0.050 | 0.025 | 0.026 | 0.030 | 0.025 | 0.017 | 0.022 |
| 12/1998 | 0.010 | 0.026 | 0.040 | 0.138 | 0.084 | 0.072 | 0.070 | 0.040 | 0.020 | 0.021 | 0.021 | 0.005 | 0.020 |
| 11/1999 | 0.005 | 0.020 | 0.010 | 0.049 | 0.038 | 0.032 | 0.059 | 0.057 | 0.057 | 0.048 | 0.033 | 0.020 | 0.017 |
| 08/2001 | 0.016 | 0.027 | 0.015 | 0.019 | 0.024 | 0.043 | 0.052 | 0.038 | 0.021 | 0.029 | 0.025 | 0.004 | 0.033 |
| 09/2002 | 0.027 | 0.023 | 0.023 | 0.014 | 0.022 | 0.029 | 0.027 | 0.020 | 0.016 | 0.036 | 0.046 | 0.028 | 0.024 |
| 10/2003 | 0.034 | 0.038 | 0.046 | 0.048 | 0.039 | 0.028 | 0.043 | 0.035 | 0.030 | 0.015 | 0.017 | 0.014 | 0.012 |
| 11/2006 | 0.030 | 0.037 | 0.061 | 0.072 | 0.037 | 0.048 | 0.037 | 0.014 | 0.029 | 0.020 | 0.005 | 0.014 | 0.032 |
| 12/2010 | 0.041 | 0.039 | 0.050 | 0.031 | 0.032 | 0.049 | 0.034 | 0.007 | 0.025 | 0.042 | 0.038 | 0.006 | 0.018 |
| 08/2012 | 0.050 | 0.032 | 0.035 | 0.042 | 0.036 | 0.032 | 0.047 | 0.034 | 0.077 | 0.093 | 0.080 | 0.050 | 0.031 |
| 01/2015 | 0.021 | 0.027 | 0.015 | 0.028 | 0.057 | 0.017 | 0.026 | 0.011 | 0.012 | 0.018 | 0.022 | 0.028 | 0.015 |
| 01/2018 | 0.032 | 0.037 | 0.046 | 0.067 | 0.059 | 0.042 | 0.021 | 0.011 | 0.023 | 0.037 | 0.018 | 0.014 | 0.052 |
| 09/2020 | 0.018 | 0.014 | 0.020 | 0.039 | 0.041 | 0.071 | 0.038 | 0.040 | 0.065 | 0.064 | 0.037 | 0.024 | 0.031 |
| 10/1992 | 0.065 | 0.076 | 0.046 | 0.030 | 0.015 | 0.039 | 0.027 | 0.068 | 0.069 | 0.037 | 0.077 | 0.089 | 0.079 |
| 11/1994 | 0.019 | 0.027 | 0.011 | 0.014 | 0.058 | 0.060 | 0.074 | 0.065 | 0.072 | 0.066 | 0.060 | 0.034 | 0.032 |
| 11/1995 | 0.032 | 0.028 | 0.053 | 0.052 | 0.049 | 0.046 | 0.048 | 0.073 | 0.040 | 0.048 | 0.071 | 0.090 | 0.057 |
| 11/1996 | 0.057 | 0.050 | 0.031 | 0.043 | 0.063 | 0.023 | 0.040 | 0.038 | 0.025 | 0.012 | 0.009 | 0.034 | 0.020 |
| 12/1997 | 0.037 | 0.030 | 0.027 | 0.094 | 0.074 | 0.072 | 0.085 | 0.047 | 0.040 | 0.053 | 0.058 | 0.031 | 0.019 |
| 12/1998 | 0.019 | 0.050 | 0.083 | 0.075 | 0.048 | 0.079 | 0.085 | 0.092 | 0.094 | 0.078 | 0.049 | 0.042 | 0.040 |
| 11/1999 | 0.042 | 0.040 | 0.043 | 0.031 | 0.045 | 0.047 | 0.036 | 0.029 | 0.015 | 0.018 | 0.044 | 0.042 | 0.048 |
| 09/2000 | 0.044 | 0.042 | 0.048 | 0.019 | 0.010 | 0.019 | 0.027 | 0.020 | 0.034 | 0.033 | 0.013 | 0.030 | 0.036 |
| 08/2001 | 0.030 | 0.036 | 0.036 | 0.045 | 0.042 | 0.023 | 0.013 | 0.011 | 0.018 | 0.014 | 0.027 | 0.018 | 0.011 |
| 09/2002 | 0.029 | 0.052 | 0.036 | 0.027 | 0.016 | 0.011 | 0.005 | 0.022 | 0.037 | 0.018 | 0.010 | 0.027 | 0.040 |
| 10/2003 | 0.043 | 0.047 | 0.041 | 0.022 | 0.008 | 0.002 | 0.034 | 0.031 | 0.028 | 0.038 | 0.012 | 0.007 | 0.013 |
| 11/2004 | 0.013 | 0.006 | 0.007 | 0.019 | 0.024 | 0.013 | 0.014 | 0.025 | 0.024 | 0.019 | 0.021 | 0.046 | 0.035 |
| 01/2006 | 0.012 | 0.029 | 0.026 | 0.072 | 0.048 | 0.031 | 0.034 | 0.023 | 0.023 | 0.028 | 0.017 | 0.007 | 0.020 |
| 11/2006 | 0.017 | 0.007 | 0.020 | 0.038 | 0.050 | 0.048 | 0.054 | 0.059 | 0.040 | 0.020 | 0.027 | 0.043 | 0.031 |
| 01/2017 | 0.015 | 0.012 | 0.012 | 0.022 | 0.012 | 0.012 | 0.032 | 0.025 | 0.039 | 0.026 | 0.012 | 0.014 | 0.026 |
| 09/2018 | 0.037 | 0.042 | 0.049 | 0.042 | 0.045 | 0.032 | 0.047 | 0.060 | 0.068 | 0.041 | 0.047 | 0.033 | 0.025 |
| 09/2021 | 0.005 | 0.017 | 0.026 | 0.038 | 0.040 | 0.060 | 0.050 | 0.025 | 0.026 | 0.030 | 0.025 | 0.017 | 0.022 |
| 01/2012 | 0.077 | 0.043 | 0.038 | 0.069 | 0.048 | 0.047 | 0.025 | 0.048 | 0.091 | 0.084 | 0.061 | 0.048 | 0.039 |
| 01/2016 | 0.033 | 0.064 | 0.036 | 0.030 | 0.038 | 0.031 | 0.028 | 0.039 | 0.036 | 0.043 | 0.039 | 0.035 | 0.015 |

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|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01/2018 | 0.026 | 0.010 | 0.042 | 0.137 | 0.067 | 0.029 | 0.013 | 0.018 | 0.037 | 0.042 | 0.049 | 0.042 | 0.045 |
| 01/2021 | 0.056 | 0.089 | 0.053 | 0.042 | 0.047 | 0.045 | 0.040 | 0.036 | 0.005 | 0.017 | 0.026 | 0.038 | 0.040 |
| 01/2006 | 0.012 | 0.029 | 0.026 | 0.072 | 0.048 | 0.031 | 0.034 | 0.023 | 0.023 | 0.028 | 0.017 | 0.007 | 0.020 |
| 01/2018 | 0.026 | 0.010 | 0.042 | 0.137 | 0.067 | 0.029 | 0.013 | 0.018 | 0.037 | 0.042 | 0.049 | 0.042 | 0.045 |
| 01/2020 | 0.056 | 0.089 | 0.053 | 0.042 | 0.047 | 0.045 | 0.040 | 0.036 | 0.005 | 0.017 | 0.026 | 0.038 | 0.040 |
| 05/1994 | 0.026 | 0.030 | 0.025 | 0.017 | 0.022 | 0.017 | 0.008 | 0.028 | 0.009 | 0.035 | 0.053 | 0.054 | 0.093 |
| 11/1999 | 0.011 | 0.020 | 0.029 | 0.066 | 0.056 | 0.034 | 0.067 | 0.069 | 0.074 | 0.070 | 0.055 | 0.031 | 0.026 |
| 09/2000 | 0.055 | 0.031 | 0.026 | 0.025 | 0.034 | 0.029 | 0.037 | 0.038 | 0.037 | 0.024 | 0.024 | 0.015 | 0.036 |
| 08/2001 | 0.015 | 0.036 | 0.028 | 0.033 | 0.004 | 0.026 | 0.035 | 0.032 | 0.018 | 0.031 | 0.029 | 0.008 | 0.032 |
| 09/2002 | 0.031 | 0.028 | 0.031 | 0.025 | 0.009 | 0.009 | 0.011 | 0.014 | 0.003 | 0.026 | 0.032 | 0.019 | 0.025 |
| 10/2003 | 0.041 | 0.026 | 0.021 | 0.019 | 0.019 | 0.014 | 0.032 | 0.035 | 0.021 | 0.010 | 0.022 | 0.027 | 0.027 |
| 11/2004 | 0.028 | 0.021 | 0.013 | 0.023 | 0.017 | 0.017 | 0.036 | 0.036 | 0.044 | 0.011 | 0.008 | 0.014 | 0.013 |
| 01/2017 | 0.010 | 0.031 | 0.054 | 0.052 | 0.056 | 0.056 | 0.032 | 0.015 | 0.019 | 0.036 | 0.020 | 0.025 | 0.033 |
| 09/2018 | 0.031 | 0.021 | 0.017 | 0.034 | 0.038 | 0.021 | 0.032 | 0.127 | 0.061 | 0.029 | 0.013 | 0.022 | 0.029 |
| 09/2020 | 0.010 | 0.012 | 0.003 | 0.012 | 0.046 | 0.079 | 0.044 | 0.037 | 0.054 | 0.053 | 0.038 | 0.028 | 0.014 |
| 01/2006 | 0.012 | 0.029 | 0.026 | 0.072 | 0.048 | 0.031 | 0.034 | 0.023 | 0.023 | 0.028 | 0.017 | 0.007 | 0.020 |
| 01/2010 | 0.053 | 0.070 | 0.059 | 0.021 | 0.016 | 0.006 | 0.033 | 0.073 | 0.099 | 0.098 | 0.066 | 0.080 | 0.107 |
| 01/2018 | 0.026 | 0.010 | 0.042 | 0.137 | 0.067 | 0.029 | 0.013 | 0.018 | 0.037 | 0.042 | 0.049 | 0.042 | 0.045 |
| 01/2020 | 0.056 | 0.089 | 0.053 | 0.042 | 0.047 | 0.045 | 0.040 | 0.036 | 0.005 | 0.017 | 0.026 | 0.038 | 0.040 |
| 04/1999 | 0.171 | 0.096 | 0.026 | 0.060 | 0.122 | 0.179 | 0.193 | 0.177 | 0.232 | 0.109 | 0.158 | 0.118 | 0.104 |
| 08/2001 | 0.106 | 0.145 | 0.156 | 0.146 | 0.205 | 0.098 | 0.124 | 0.096 | 0.072 | 0.035 | 0.046 | 0.098 | 0.157 |
| 03/2003 | 0.042 | 0.075 | 0.024 | 0.020 | 0.032 | 0.064 | 0.123 | 0.179 | 0.222 | 0.225 | 0.191 | 0.137 | 0.095 |
| 05/2004 | 0.092 | 0.058 | 0.040 | 0.050 | 0.074 | 0.139 | 0.139 | 0.147 | 0.200 | 0.163 | 0.137 | 0.104 | 0.107 |
| 05/2000 | 0.067 | 0.054 | 0.053 | 0.050 | 0.051 | 0.057 | 0.062 | 0.067 | 0.052 | 0.132 | 0.194 | 0.223 | 0.205 |
| 02/2002 | 0.110 | 0.134 | 0.128 | 0.129 | 0.098 | 0.023 | 0.033 | 0.099 | 0.125 | 0.154 | 0.105 | 0.052 | 0.006 |
| 02/2002 | 0.110 | 0.134 | 0.128 | 0.129 | 0.098 | 0.023 | 0.033 | 0.099 | 0.125 | 0.154 | 0.105 | 0.052 | 0.006 |
| 05/2000 | 0.057 | 0.076 | 0.120 | 0.171 | 0.166 | 0.167 | 0.117 | 0.073 | 0.033 | 0.101 | 0.156 | 0.186 | 0.169 |
| 05/2007 | 0.025 | 0.053 | 0.095 | 0.116 | 0.112 | 0.130 | 0.128 | 0.132 | 0.152 | 0.068 | 0.054 | 0.083 | 0.094 |
| 09/2006 | 0.082 | 0.114 | 0.114 | 0.115 | 0.101 | 0.089 | 0.013 | 0.066 | 0.028 | 0.039 | 0.057 | 0.065 | 0.101 |
| 04/2018 | 0.024 | 0.041 | 0.050 | 0.046 | 0.093 | 0.091 | 0.073 | 0.100 | 0.096 | 0.019 | 0.027 | 0.008 | 0.087 |
| 06/2020 | 0.035 | 0.049 | 0.076 | 0.084 | 0.113 | 0.145 | 0.076 | 0.020 | 0.065 | 0.093 | 0.047 | 0.063 | 0.062 |
| 05/2001 | 0.026 | 0.036 | 0.050 | 0.113 | 0.120 | 0.100 | 0.135 | 0.128 | 0.057 | 0.101 | 0.099 | 0.138 | 0.125 |
| 03/2003 | 0.073 | 0.075 | 0.074 | 0.048 | 0.023 | 0.010 | 0.063 | 0.091 | 0.115 | 0.098 | 0.102 | 0.078 | 0.058 |
| 05/2004 | 0.027 | 0.008 | 0.005 | 0.036 | 0.085 | 0.062 | 0.081 | 0.119 | 0.083 | 0.066 | 0.049 | 0.046 | 0.010 |
| 05/2005 | 0.010 | 0.013 | 0.033 | 0.020 | 0.016 | 0.061 | 0.082 | 0.044 | 0.035 | 0.034 | 0.053 | 0.051 | 0.012 |
| 08/1992 | 0.011 | 0.057 | 0.113 | 0.145 | 0.157 | 0.069 | 0.060 | 0.206 | 0.152 | 0.092 | 0.037 | 0.037 | 0.095 |
| 03/1997 | 0.105 | 0.067 | 0.056 | 0.057 | 0.042 | 0.120 | 0.167 | 0.178 | 0.201 | 0.211 | 0.099 | 0.029 | 0.131 |
| 05/1998 | 0.027 | 0.063 | 0.028 | 0.063 | 0.128 | 0.169 | 0.179 | 0.202 | 0.159 | 0.118 | 0.173 | 0.173 | 0.076 |
| 02/2002 | 0.124 | 0.096 | 0.072 | 0.035 | 0.046 | 0.098 | 0.157 | 0.157 | 0.148 | 0.101 | 0.053 | 0.063 | 0.055 |
| 03/2003 | 0.042 | 0.075 | 0.024 | 0.020 | 0.032 | 0.064 | 0.123 | 0.179 | 0.222 | 0.225 | 0.191 | 0.137 | 0.095 |
| 04/2004 | 0.092 | 0.058 | 0.040 | 0.050 | 0.074 | 0.139 | 0.139 | 0.147 | 0.200 | 0.163 | 0.137 | 0.104 | 0.107 |
| 04/2005 | 0.107 | 0.039 | 0.035 | 0.022 | 0.033 | 0.062 | 0.123 | 0.147 | 0.124 | 0.108 | 0.090 | 0.047 | 0.075 |
| 05/2013 | 0.093 | 0.062 | 0.036 | 0.058 | 0.067 | 0.079 | 0.115 | 0.129 | 0.169 | 0.094 | 0.055 | 0.033 | 0.060 |
| 05/2015 | 0.042 | 0.027 | 0.045 | 0.089 | 0.111 | 0.144 | 0.130 | 0.120 | 0.097 | 0.010 | 0.060 | 0.061 | 0.062 |
| 06/2019 | 0.047 | 0.076 | 0.085 | 0.070 | 0.051 | 0.045 | 0.046 | 0.056 | 0.030 | 0.023 | 0.118 | 0.093 | 0.035 |
| 02/2002 | 0.110 | 0.134 | 0.128 | 0.129 | 0.098 | 0.023 | 0.033 | 0.099 | 0.125 | 0.154 | 0.105 | 0.052 | 0.006 |
| 03/2003 | 0.025 | 0.042 | 0.047 | 0.036 | 0.057 | 0.089 | 0.135 | 0.187 | 0.235 | 0.237 | 0.208 | 0.151 | 0.072 |
| 04/2014 | 0.036 | 0.040 | 0.076 | 0.108 | 0.151 | 0.177 | 0.193 | 0.197 | 0.186 | 0.170 | 0.173 | 0.094 | 0.035 |
| 04/2018 | 0.063 | 0.071 | 0.082 | 0.096 | 0.084 | 0.088 | 0.098 | 0.085 | 0.061 | 0.047 | 0.035 | 0.024 | 0.073 |
| 05/2014 | 0.092 | 0.067 | 0.037 | 0.046 | 0.035 | 0.052 | 0.070 | 0.073 | 0.070 | 0.089 | 0.019 | 0.062 | 0.055 |
| 05/2016 | 0.080 | 0.073 | 0.047 | 0.038 | 0.062 | 0.057 | 0.053 | 0.079 | 0.062 | 0.007 | 0.042 | 0.062 | 0.062 |
| 04/2018 | 0.022 | 0.020 | 0.014 | 0.022 | 0.021 | 0.018 | 0.016 | 0.005 | 0.008 | 0.029 | 0.020 | 0.040 | 0.093 |

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|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 02/2002 | 0.079 | 0.101 | 0.100 | 0.105 | 0.077 | 0.007 | 0.029 | 0.090 | 0.100 | 0.127 | 0.092 | 0.051 | 0.008 |
| 03/2022 | 0.023 | 0.024 | 0.045 | 0.027 | 0.051 | 0.076 | 0.115 | 0.152 | 0.189 | 0.194 | 0.171 | 0.117 | 0.061 |
| 07/2006 | 0.083 | 0.103 | 0.095 | 0.112 | 0.110 | 0.110 | 0.102 | 0.097 | 0.046 | 0.032 | 0.017 | 0.038 | 0.045 |
| 05/2008 | 0.065 | 0.045 | 0.011 | 0.045 | 0.066 | 0.066 | 0.103 | 0.127 | 0.141 | 0.103 | 0.022 | 0.021 | 0.042 |
| 05/2016 | 0.020 | 0.015 | 0.044 | 0.061 | 0.117 | 0.127 | 0.131 | 0.157 | 0.143 | 0.069 | 0.027 | 0.009 | 0.014 |
| 08/2001 | 0.024 | 0.033 | 0.061 | 0.060 | 0.015 | 0.029 | 0.079 | 0.101 | 0.100 | 0.105 | 0.077 | 0.007 | 0.029 |
| 05/2005 | 0.049 | 0.053 | 0.033 | 0.053 | 0.073 | 0.110 | 0.127 | 0.120 | 0.107 | 0.070 | 0.035 | 0.066 | 0.024 |
| 12/2005 | 0.120 | 0.107 | 0.070 | 0.035 | 0.066 | 0.024 | 0.044 | 0.083 | 0.103 | 0.095 | 0.112 | 0.110 | 0.110 |
| 02/2002 | 0.079 | 0.101 | 0.100 | 0.105 | 0.077 | 0.007 | 0.029 | 0.090 | 0.100 | 0.127 | 0.092 | 0.051 | 0.008 |
| 03/2003 | 0.023 | 0.024 | 0.045 | 0.027 | 0.051 | 0.076 | 0.115 | 0.152 | 0.189 | 0.194 | 0.171 | 0.117 | 0.061 |
| 03/1997 | 0.087 | 0.033 | 0.038 | 0.033 | 0.035 | 0.080 | 0.107 | 0.108 | 0.103 | 0.104 | 0.099 | 0.031 | 0.103 |
| 05/2000 | 0.063 | 0.013 | 0.048 | 0.101 | 0.140 | 0.141 | 0.126 | 0.177 | 0.018 | 0.072 | 0.122 | 0.151 | 0.134 |
| 05/2001 | 0.134 | 0.062 | 0.044 | 0.024 | 0.033 | 0.061 | 0.060 | 0.015 | 0.029 | 0.079 | 0.101 | 0.100 | 0.105 |
| 02/2022 | 0.079 | 0.101 | 0.100 | 0.105 | 0.077 | 0.007 | 0.029 | 0.090 | 0.100 | 0.127 | 0.092 | 0.051 | 0.008 |
| 03/2003 | 0.023 | 0.024 | 0.045 | 0.027 | 0.051 | 0.076 | 0.115 | 0.152 | 0.189 | 0.194 | 0.171 | 0.117 | 0.061 |
| 06/2013 | 0.022 | 0.063 | 0.108 | 0.174 | 0.209 | 0.211 | 0.204 | 0.155 | 0.111 | 0.080 | 0.032 | 0.030 | 0.067 |
| 05/2015 | 0.019 | 0.015 | 0.047 | 0.093 | 0.117 | 0.145 | 0.138 | 0.127 | 0.105 | 0.027 | 0.023 | 0.020 | 0.020 |
| 05/2017 | 0.014 | 0.027 | 0.023 | 0.085 | 0.107 | 0.082 | 0.105 | 0.104 | 0.129 | 0.138 | 0.075 | 0.060 | 0.066 |
| 03/2019 | 0.022 | 0.050 | 0.068 | 0.028 | 0.055 | 0.100 | 0.095 | 0.073 | 0.054 | 0.055 | 0.071 | 0.036 | 0.012 |
| 02/2002 | 0.079 | 0.101 | 0.100 | 0.105 | 0.077 | 0.007 | 0.029 | 0.090 | 0.100 | 0.127 | 0.092 | 0.051 | 0.008 |
| 03/2003 | 0.023 | 0.024 | 0.045 | 0.027 | 0.051 | 0.076 | 0.115 | 0.152 | 0.189 | 0.194 | 0.171 | 0.117 | 0.061 |
| 02/2002 | 0.110 | 0.134 | 0.128 | 0.129 | 0.098 | 0.023 | 0.033 | 0.099 | 0.125 | 0.154 | 0.105 | 0.052 | 0.006 |
| 11/2023 | 0.154 | 0.105 | 0.052 | 0.006 | 0.025 | 0.042 | 0.047 | 0.036 | 0.057 | 0.089 | 0.135 | 0.187 | 0.235 |
| 04/2014 | 0.036 | 0.040 | 0.076 | 0.108 | 0.151 | 0.177 | 0.193 | 0.197 | 0.186 | 0.170 | 0.173 | 0.094 | 0.035 |
| 04/2018 | 0.063 | 0.071 | 0.082 | 0.096 | 0.084 | 0.088 | 0.098 | 0.085 | 0.061 | 0.047 | 0.035 | 0.024 | 0.073 |
| 06/2020 | 0.037 | 0.033 | 0.086 | 0.103 | 0.132 | 0.170 | 0.104 | 0.018 | 0.044 | 0.101 | 0.083 | 0.066 | 0.050 |
| 03/2003 | 0.073 | 0.075 | 0.074 | 0.048 | 0.023 | 0.010 | 0.063 | 0.091 | 0.115 | 0.098 | 0.102 | 0.078 | 0.058 |
| 09/2006 | 0.025 | 0.041 | 0.042 | 0.039 | 0.037 | 0.024 | 0.035 | 0.079 | 0.040 | 0.040 | 0.054 | 0.051 | 0.064 |
| 02/2002 | 0.110 | 0.134 | 0.128 | 0.129 | 0.098 | 0.023 | 0.033 | 0.099 | 0.125 | 0.154 | 0.105 | 0.052 | 0.006 |
| 03/2003 | 0.025 | 0.042 | 0.047 | 0.036 | 0.057 | 0.089 | 0.135 | 0.187 | 0.235 | 0.237 | 0.208 | 0.151 | 0.072 |
| 04/2018 | 0.063 | 0.071 | 0.082 | 0.096 | 0.084 | 0.088 | 0.098 | 0.085 | 0.061 | 0.047 | 0.035 | 0.024 | 0.073 |
| 06/2020 | 0.037 | 0.033 | 0.086 | 0.103 | 0.132 | 0.170 | 0.104 | 0.018 | 0.044 | 0.101 | 0.083 | 0.066 | 0.050 |
| 02/2002 | 0.079 | 0.101 | 0.100 | 0.105 | 0.077 | 0.007 | 0.029 | 0.090 | 0.100 | 0.127 | 0.092 | 0.051 | 0.008 |
| 03/2003 | 0.023 | 0.024 | 0.045 | 0.027 | 0.051 | 0.076 | 0.115 | 0.152 | 0.189 | 0.194 | 0.171 | 0.117 | 0.061 |
| 05/1998 | 0.195 | 0.103 | 0.067 | 0.045 | 0.033 | 0.076 | 0.067 | 0.055 | 0.055 | 0.136 | 0.164 | 0.158 | 0.151 |
| 12/1993 | 0.109 | 0.208 | 0.187 | 0.120 | 0.075 | 0.062 | 0.027 | 0.076 | 0.141 | 0.191 | 0.203 | 0.223 | 0.231 |
| 03/1997 | 0.094 | 0.092 | 0.046 | 0.019 | 0.015 | 0.051 | 0.051 | 0.085 | 0.149 | 0.116 | 0.122 | 0.032 | 0.130 |
| 04/1999 | 0.146 | 0.083 | 0.017 | 0.063 | 0.125 | 0.166 | 0.169 | 0.156 | 0.227 | 0.097 | 0.121 | 0.089 | 0.073 |
| 04/2000 | 0.073 | 0.057 | 0.076 | 0.120 | 0.171 | 0.166 | 0.167 | 0.117 | 0.073 | 0.033 | 0.101 | 0.156 | 0.186 |
| 05/2001 | 0.169 | 0.088 | 0.062 | 0.038 | 0.032 | 0.073 | 0.068 | 0.026 | 0.042 | 0.110 | 0.134 | 0.128 | 0.129 |
| 02/2023 | 0.110 | 0.134 | 0.128 | 0.129 | 0.098 | 0.023 | 0.033 | 0.099 | 0.125 | 0.154 | 0.105 | 0.052 | 0.006 |
| 03/2003 | 0.025 | 0.042 | 0.047 | 0.036 | 0.057 | 0.089 | 0.135 | 0.187 | 0.235 | 0.237 | 0.208 | 0.151 | 0.072 |
| 04/2004 | 0.071 | 0.055 | 0.077 | 0.082 | 0.093 | 0.150 | 0.155 | 0.147 | 0.208 | 0.132 | 0.090 | 0.043 | 0.071 |
| 06/2013 | 0.075 | 0.096 | 0.133 | 0.174 | 0.205 | 0.178 | 0.157 | 0.182 | 0.125 | 0.083 | 0.036 | 0.040 | 0.076 |
| 05/2015 | 0.036 | 0.021 | 0.058 | 0.103 | 0.141 | 0.168 | 0.163 | 0.147 | 0.122 | 0.024 | 0.053 | 0.056 | 0.041 |
| 05/2016 | 0.041 | 0.035 | 0.049 | 0.070 | 0.132 | 0.140 | 0.150 | 0.183 | 0.171 | 0.077 | 0.034 | 0.033 | 0.037 |
| 04/2020 | 0.033 | 0.037 | 0.042 | 0.030 | 0.098 | 0.119 | 0.094 | 0.118 | 0.122 | 0.152 | 0.163 | 0.087 | 0.063 |
| 02/2022 | 0.163 | 0.087 | 0.063 | 0.071 | 0.082 | 0.096 | 0.084 | 0.088 | 0.098 | 0.085 | 0.061 | 0.047 | 0.035 |
| 03/2023 | 0.042 | 0.075 | 0.024 | 0.020 | 0.032 | 0.064 | 0.123 | 0.179 | 0.222 | 0.225 | 0.191 | 0.137 | 0.095 |
| 05/2004 | 0.092 | 0.058 | 0.040 | 0.050 | 0.074 | 0.139 | 0.139 | 0.147 | 0.200 | 0.163 | 0.137 | 0.104 | 0.107 |
| 05/2015 | 0.042 | 0.027 | 0.045 | 0.089 | 0.111 | 0.144 | 0.130 | 0.120 | 0.097 | 0.010 | 0.060 | 0.061 | 0.062 |
| 03/2003 | 0.023 | 0.024 | 0.045 | 0.027 | 0.051 | 0.076 | 0.115 | 0.152 | 0.189 | 0.194 | 0.171 | 0.117 | 0.061 |

| | | | | | | | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 03/2005 | 0.089 | 0.082 | 0.080 | 0.077 | 0.067 | 0.078 | 0.155 | 0.202 | 0.227 | 0.161 | 0.171 | 0.166 | 0.095 |
| 03/2007 | 0.071 | 0.047 | 0.080 | 0.131 | 0.144 | 0.150 | 0.176 | 0.209 | 0.209 | 0.220 | 0.174 | 0.095 | 0.048 |
| 04/2023 | 0.091 | 0.148 | 0.144 | 0.136 | 0.195 | 0.203 | 0.230 | 0.219 | 0.205 | 0.180 | 0.138 | 0.141 | 0.129 |
| 04/2009 | 0.171 | 0.120 | 0.111 | 0.093 | 0.101 | 0.150 | 0.203 | 0.207 | 0.196 | 0.152 | 0.144 | 0.045 | 0.055 |
| 04/1994 | 0.096 | 0.076 | 0.126 | 0.160 | 0.137 | 0.105 | 0.150 | 0.189 | 0.173 | 0.102 | 0.123 | 0.167 | 0.181 |
| 03/1999 | 0.087 | 0.083 | 0.077 | 0.061 | 0.074 | 0.074 | 0.147 | 0.209 | 0.241 | 0.159 | 0.148 | 0.205 | 0.178 |
| 03/2000 | 0.178 | 0.156 | 0.117 | 0.148 | 0.198 | 0.232 | 0.226 | 0.200 | 0.159 | 0.126 | 0.071 | 0.068 | 0.078 |
| 02/2004 | 0.169 | 0.095 | 0.101 | 0.113 | 0.141 | 0.120 | 0.128 | 0.154 | 0.213 | 0.222 | 0.228 | 0.163 | 0.128 |

3. Data Sea Surface Temperature (SST) di Great Barrier Reef, Australia

| Bulan/ Tahun | Sea Surface Temperature (°C) | | | | | | | | | | | | |
|-----------------|------------------------------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | SST 12 | SST 11 | SST 10 | SST 9 | SST 8 | SST 7 | SST 6 | SST 5 | SST 4 | SST 3 | SST 2 | SST 1 | SST 0 |
| 10/1994 | 25.68 | 27.26 | 27.71 | 28.29 | 29.05 | 28.59 | 26.88 | 25.63 | 24.76 | 24.10 | 23.30 | 23.88 | 25.43 |
| 01/1998 | 28.52 | 28.60 | 27.33 | 26.71 | 25.85 | 24.92 | 24.20 | 24.29 | 24.64 | 25.62 | 26.99 | 28.74 | 28.34 |
| 02/1994 | 27.63 | 27.94 | 26.62 | 25.43 | 24.46 | 23.97 | 24.13 | 24.50 | 25.68 | 27.26 | 27.71 | 28.29 | 29.05 |
| 01/2000 | 28.56 | 28.36 | 28.49 | 27.59 | 25.86 | 25.08 | 24.53 | 23.82 | 24.60 | 26.04 | 27.64 | 27.98 | 28.86 |
| 01/2013 | 29.18 | 28.96 | 28.63 | 27.52 | 26.48 | 24.67 | 24.77 | 24.32 | 25.11 | 25.98 | 27.00 | 28.15 | 28.80 |
| 01/2000 | 28.56 | 28.36 | 28.49 | 27.59 | 25.86 | 25.08 | 24.53 | 23.82 | 24.60 | 26.04 | 27.64 | 27.98 | 28.86 |
| 09/1994 | 24.50 | 25.68 | 27.26 | 27.71 | 28.29 | 29.05 | 28.59 | 26.88 | 25.63 | 24.76 | 24.10 | 23.30 | 23.88 |
| 01/1998 | 28.52 | 28.60 | 27.33 | 26.71 | 25.85 | 24.92 | 24.20 | 24.29 | 24.64 | 25.62 | 26.99 | 28.74 | 28.34 |
| 01/2004 | 29.68 | 29.91 | 29.20 | 27.69 | 26.49 | 24.90 | 24.25 | 24.37 | 24.46 | 25.94 | 27.18 | 28.30 | 28.79 |
| 03/2015 | 27.92 | 27.62 | 26.34 | 25.22 | 24.11 | 24.05 | 24.49 | 25.44 | 27.48 | 28.52 | 29.31 | 29.17 | 28.57 |
| 01/2021 | 29.86 | 30.24 | 29.34 | 28.09 | 26.59 | 25.05 | 24.53 | 24.99 | 25.23 | 26.24 | 27.70 | 29.11 | 29.50 |
| 06/1993 | 24.57 | 23.94 | 23.93 | 24.96 | 25.21 | 26.69 | 27.98 | 27.53 | 27.63 | 27.94 | 26.62 | 25.43 | 24.46 |
| 04/1995 | 26.88 | 25.63 | 24.76 | 24.10 | 23.30 | 23.88 | 25.43 | 26.77 | 27.64 | 28.40 | 29.33 | 27.98 | 27.67 |
| 01/1996 | 28.40 | 29.33 | 27.98 | 27.67 | 26.54 | 25.29 | 24.25 | 24.24 | 24.67 | 25.51 | 27.74 | 28.78 | 28.90 |
| 01/1998 | 28.52 | 28.60 | 27.33 | 26.71 | 25.85 | 24.92 | 24.20 | 24.29 | 24.64 | 25.62 | 26.99 | 28.74 | 28.34 |
| 01/1999 | 28.34 | 29.50 | 28.73 | 27.90 | 26.65 | 25.89 | 25.58 | 25.40 | 26.04 | 26.35 | 27.42 | 28.07 | 28.56 |
| 01/2013 | 29.18 | 28.96 | 28.63 | 27.52 | 26.48 | 24.67 | 24.77 | 24.32 | 25.11 | 25.98 | 27.00 | 28.15 | 28.80 |
| 03/2015 | 27.92 | 27.62 | 26.34 | 25.22 | 24.11 | 24.05 | 24.49 | 25.44 | 27.48 | 28.52 | 29.31 | 29.17 | 28.57 |
| 01/1996 | 28.40 | 29.33 | 27.98 | 27.67 | 26.54 | 25.29 | 24.25 | 24.24 | 24.67 | 25.51 | 27.74 | 28.78 | 28.90 |
| 01/1997 | 28.90 | 29.12 | 28.51 | 28.07 | 26.59 | 25.04 | 24.70 | 24.74 | 25.12 | 26.12 | 27.67 | 28.79 | 28.52 |
| 01/1998 | 28.52 | 28.60 | 27.33 | 26.71 | 25.85 | 24.92 | 24.20 | 24.29 | 24.64 | 25.62 | 26.99 | 28.74 | 28.34 |
| 01/1999 | 28.34 | 29.50 | 28.73 | 27.90 | 26.65 | 25.89 | 25.58 | 25.40 | 26.04 | 26.35 | 27.42 | 28.07 | 28.56 |
| 01/2000 | 28.56 | 28.36 | 28.49 | 27.59 | 25.86 | 25.08 | 24.53 | 23.82 | 24.60 | 26.04 | 27.64 | 27.98 | 28.86 |
| 02/2001 | 29.04 | 28.45 | 27.50 | 26.34 | 24.79 | 23.57 | 24.34 | 25.11 | 26.14 | 27.76 | 28.04 | 28.27 | 28.37 |
| 03/2019 | 27.92 | 27.62 | 26.34 | 25.22 | 24.11 | 24.05 | 24.49 | 25.44 | 27.48 | 28.52 | 29.31 | 29.17 | 28.57 |
| 06/1993 | 24.57 | 23.94 | 23.93 | 24.96 | 25.21 | 26.69 | 27.98 | 27.53 | 27.63 | 27.94 | 26.62 | 25.43 | 24.46 |
| 01/2000 | 28.56 | 28.36 | 28.49 | 27.59 | 25.86 | 25.08 | 24.53 | 23.82 | 24.60 | 26.04 | 27.64 | 27.98 | 28.86 |
| 03/2014 | 28.63 | 27.61 | 26.35 | 25.34 | 24.62 | 24.46 | 25.16 | 26.12 | 27.44 | 27.90 | 28.62 | 28.33 | 27.92 |
| 06/1993 | 24.57 | 23.94 | 23.93 | 24.96 | 25.21 | 26.69 | 27.98 | 27.53 | 27.63 | 27.94 | 26.62 | 25.43 | 24.46 |
| 10/1994 | 25.68 | 27.26 | 27.71 | 28.29 | 29.05 | 28.59 | 26.88 | 25.63 | 24.76 | 24.10 | 23.30 | 23.88 | 25.43 |
| 01/2010 | 27.72 | 27.85 | 27.05 | 26.59 | 24.79 | 23.44 | 22.46 | 22.70 | 23.48 | 24.34 | 25.49 | 27.27 | 27.77 |
| 09/2013 | 22.44 | 23.82 | 25.06 | 26.65 | 27.65 | 27.62 | 26.51 | 26.01 | 24.92 | 23.21 | 22.60 | 22.73 | 23.21 |
| 10/2015 | 23.97 | 25.87 | 27.05 | 28.05 | 27.67 | 27.91 | 27.13 | 24.77 | 23.46 | 22.99 | 21.74 | 23.22 | 23.49 |
| 01/2020 | 27.13 | 27.34 | 27.71 | 26.25 | 24.45 | 22.79 | 22.41 | 22.01 | 22.55 | 23.90 | 25.64 | 27.06 | 27.73 |
| 12/1995 | 25.92 | 27.07 | 27.37 | 26.59 | 26.34 | 25.25 | 23.72 | 22.87 | 22.55 | 23.14 | 23.77 | 25.81 | 26.85 |
| 11/1996 | 25.81 | 26.85 | 27.56 | 27.77 | 26.93 | 26.37 | 25.20 | 23.95 | 22.78 | 22.28 | 22.80 | 23.77 | 24.91 |
| 09/2018 | 23.17 | 23.90 | 24.91 | 25.45 | 26.80 | 27.59 | 27.98 | 27.35 | 26.31 | 25.06 | 23.06 | 22.94 | 22.50 |
| 11/2008 | 27.21 | 28.53 | 29.19 | 28.95 | 28.27 | 27.26 | 25.58 | 24.97 | 24.47 | 24.31 | 25.15 | 26.27 | 27.96 |
| 11/2018 | 27.21 | 28.53 | 29.19 | 28.95 | 28.27 | 27.26 | 25.58 | 24.97 | 24.47 | 24.31 | 25.15 | 26.27 | 27.96 |
| 10/1995 | 25.34 | 26.79 | 27.76 | 28.31 | 29.31 | 28.15 | 27.76 | 26.73 | 25.44 | 24.54 | 24.46 | 24.86 | 25.74 |
| 10/1998 | 25.68 | 27.09 | 28.75 | 28.54 | 29.61 | 28.87 | 28.07 | 26.97 | 26.22 | 25.93 | 25.66 | 26.18 | 26.51 |
| 09/2001 | 25.26 | 26.27 | 27.83 | 28.18 | 28.46 | 28.52 | 28.90 | 27.99 | 26.56 | 25.63 | 24.87 | 24.22 | 25.41 |
| 08/2004 | 24.51 | 25.35 | 26.56 | 27.64 | 28.60 | 29.57 | 29.90 | 29.31 | 27.82 | 26.74 | 25.18 | 24.57 | 24.65 |
| 10/2006 | 26.58 | 27.84 | 28.90 | 29.20 | 29.18 | 28.74 | 28.00 | 26.68 | 25.30 | 24.16 | 23.91 | 24.69 | 25.48 |
| 11/2009 | 27.96 | 29.37 | 29.45 | 29.04 | 28.86 | 27.91 | 26.68 | 25.86 | 25.28 | 25.04 | 25.61 | 26.50 | 27.07 |
| 11/2010 | 27.07 | 28.52 | 28.85 | 29.20 | 29.08 | 28.32 | 27.05 | 26.34 | 25.19 | 25.29 | 26.36 | 27.33 | 27.98 |
| 10/2012 | 26.66 | 27.72 | 29.16 | 29.28 | 28.96 | 28.77 | 27.75 | 26.78 | 25.06 | 25.16 | 24.65 | 25.36 | 26.20 |

| | | | | | | | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10/1994 | 25.68 | 27.26 | 27.71 | 28.29 | 29.05 | 28.59 | 26.88 | 25.63 | 24.76 | 24.10 | 23.30 | 23.88 | 25.43 |
| 10/1997 | 26.12 | 27.67 | 28.79 | 28.52 | 28.60 | 27.33 | 26.71 | 25.85 | 24.92 | 24.20 | 24.29 | 24.64 | 25.62 |
| 01/2001 | 28.86 | 29.04 | 28.45 | 27.50 | 26.34 | 24.79 | 23.57 | 24.34 | 25.11 | 26.14 | 27.76 | 28.04 | 28.27 |
| 10/2012 | 26.48 | 27.65 | 29.12 | 29.18 | 28.96 | 28.63 | 27.52 | 26.48 | 24.67 | 24.77 | 24.32 | 25.11 | 25.98 |
| 11/2014 | 27.44 | 27.90 | 28.62 | 28.33 | 27.92 | 27.62 | 26.34 | 25.22 | 24.11 | 24.05 | 24.49 | 25.44 | 27.48 |
| 10/1997 | 26.35 | 27.72 | 28.90 | 28.69 | 28.86 | 27.52 | 26.85 | 26.13 | 25.21 | 24.54 | 24.48 | 24.74 | 25.68 |
| 12/1992 | 27.94 | 28.01 | 28.46 | 28.72 | 27.26 | 26.18 | 24.57 | 23.94 | 23.93 | 24.96 | 25.21 | 26.69 | 27.98 |
| 10/1993 | 25.34 | 26.75 | 28.07 | 27.65 | 27.75 | 28.06 | 26.79 | 25.71 | 24.65 | 24.26 | 24.30 | 24.58 | 25.67 |
| 10/1996 | 25.74 | 27.87 | 28.92 | 29.04 | 29.19 | 28.61 | 28.31 | 26.89 | 25.35 | 24.99 | 25.00 | 25.36 | 26.35 |
| 10/1999 | 26.51 | 27.57 | 28.18 | 28.79 | 28.43 | 28.75 | 28.02 | 26.28 | 25.41 | 24.81 | 24.01 | 24.77 | 26.20 |
| 08/2002 | 24.22 | 25.41 | 26.16 | 27.74 | 28.62 | 29.73 | 29.34 | 29.01 | 28.13 | 26.66 | 26.11 | 24.68 | 24.25 |
| 10/2012 | 26.66 | 27.72 | 29.16 | 29.28 | 28.96 | 28.77 | 27.75 | 26.78 | 25.06 | 25.16 | 24.65 | 25.36 | 26.20 |
| 12/2014 | 28.10 | 28.71 | 28.46 | 28.11 | 27.79 | 26.68 | 25.62 | 24.51 | 24.29 | 24.60 | 25.60 | 27.33 | 28.57 |
| 10/1993 | 25.21 | 26.69 | 27.98 | 27.53 | 27.63 | 27.94 | 26.62 | 25.43 | 24.46 | 23.97 | 24.13 | 24.50 | 25.68 |
| 01/1997 | 28.90 | 29.12 | 28.51 | 28.07 | 26.59 | 25.04 | 24.70 | 24.74 | 25.12 | 26.12 | 27.67 | 28.79 | 28.52 |
| 10/1999 | 26.35 | 27.42 | 28.07 | 28.56 | 28.36 | 28.49 | 27.59 | 25.86 | 25.08 | 24.53 | 23.82 | 24.60 | 26.04 |
| 10/2012 | 26.48 | 27.65 | 29.12 | 29.18 | 28.96 | 28.63 | 27.52 | 26.48 | 24.67 | 24.77 | 24.32 | 25.11 | 25.98 |
| 12/2021 | 27.90 | 28.62 | 28.33 | 27.92 | 27.62 | 26.34 | 25.22 | 24.11 | 24.05 | 24.49 | 25.44 | 27.48 | 28.52 |
| 11/2008 | 27.21 | 28.53 | 29.19 | 28.95 | 28.27 | 27.26 | 25.58 | 24.97 | 24.47 | 24.31 | 25.15 | 26.27 | 27.96 |
| 10/1994 | 25.67 | 27.16 | 27.65 | 28.41 | 29.19 | 28.64 | 26.92 | 25.79 | 24.94 | 24.24 | 23.47 | 23.99 | 25.34 |
| 10/1997 | 26.35 | 27.72 | 28.90 | 28.69 | 28.86 | 27.52 | 26.85 | 26.13 | 25.21 | 24.54 | 24.48 | 24.74 | 25.68 |
| 02/2001 | 29.26 | 28.67 | 27.83 | 26.71 | 25.15 | 23.83 | 24.56 | 25.26 | 26.27 | 27.83 | 28.18 | 28.46 | 28.52 |
| 09/2003 | 25.23 | 26.02 | 27.15 | 28.50 | 29.17 | 29.59 | 29.06 | 28.08 | 26.85 | 26.10 | 24.90 | 24.51 | 25.35 |
| 09/2006 | 25.08 | 26.58 | 27.84 | 28.90 | 29.20 | 29.18 | 28.74 | 28.00 | 26.68 | 25.30 | 24.16 | 23.91 | 24.69 |
| 11/2009 | 27.96 | 29.37 | 29.45 | 29.04 | 28.86 | 27.91 | 26.68 | 25.86 | 25.28 | 25.04 | 25.61 | 26.50 | 27.07 |
| 10/1993 | 25.34 | 26.75 | 28.07 | 27.65 | 27.75 | 28.06 | 26.79 | 25.71 | 24.65 | 24.26 | 24.30 | 24.58 | 25.67 |
| 10/1995 | 25.34 | 26.79 | 27.76 | 28.31 | 29.31 | 28.15 | 27.76 | 26.73 | 25.44 | 24.54 | 24.46 | 24.86 | 25.74 |
| 10/1999 | 26.51 | 27.57 | 28.18 | 28.79 | 28.43 | 28.75 | 28.02 | 26.28 | 25.41 | 24.81 | 24.01 | 24.77 | 26.20 |
| 08/2002 | 24.22 | 25.41 | 26.16 | 27.74 | 28.62 | 29.73 | 29.34 | 29.01 | 28.13 | 26.66 | 26.11 | 24.68 | 24.25 |
| 10/2012 | 26.66 | 27.72 | 29.16 | 29.28 | 28.96 | 28.77 | 27.75 | 26.78 | 25.06 | 25.16 | 24.65 | 25.36 | 26.20 |
| 12/2019 | 28.10 | 28.71 | 28.46 | 28.11 | 27.79 | 26.68 | 25.62 | 24.51 | 24.29 | 24.60 | 25.60 | 27.33 | 28.57 |
| 10/1993 | 25.34 | 26.75 | 28.07 | 27.65 | 27.75 | 28.06 | 26.79 | 25.71 | 24.65 | 24.26 | 24.30 | 24.58 | 25.67 |
| 10/1994 | 25.67 | 27.16 | 27.65 | 28.41 | 29.19 | 28.64 | 26.92 | 25.79 | 24.94 | 24.24 | 23.47 | 23.99 | 25.34 |
| 10/1995 | 25.34 | 26.79 | 27.76 | 28.31 | 29.31 | 28.15 | 27.76 | 26.73 | 25.44 | 24.54 | 24.46 | 24.86 | 25.74 |
| 10/1996 | 25.74 | 27.87 | 28.92 | 29.04 | 29.19 | 28.61 | 28.31 | 26.89 | 25.35 | 24.99 | 25.00 | 25.36 | 26.35 |
| 10/1997 | 26.35 | 27.72 | 28.90 | 28.69 | 28.86 | 27.52 | 26.85 | 26.13 | 25.21 | 24.54 | 24.48 | 24.74 | 25.68 |
| 07/2001 | 23.83 | 24.56 | 25.26 | 26.27 | 27.83 | 28.18 | 28.46 | 28.52 | 28.90 | 27.99 | 26.56 | 25.63 | 24.87 |
| 08/2003 | 24.25 | 25.23 | 26.02 | 27.15 | 28.50 | 29.17 | 29.59 | 29.06 | 28.08 | 26.85 | 26.10 | 24.90 | 24.51 |
| 10/2006 | 26.58 | 27.84 | 28.90 | 29.20 | 29.18 | 28.74 | 28.00 | 26.68 | 25.30 | 24.16 | 23.91 | 24.69 | 25.48 |
| 10/2010 | 26.50 | 27.07 | 28.52 | 28.85 | 29.20 | 29.08 | 28.32 | 27.05 | 26.34 | 25.19 | 25.29 | 26.36 | 27.33 |
| 10/2012 | 26.66 | 27.72 | 29.16 | 29.28 | 28.96 | 28.77 | 27.75 | 26.78 | 25.06 | 25.16 | 24.65 | 25.36 | 26.20 |
| 11/2008 | 27.21 | 28.53 | 29.19 | 28.95 | 28.27 | 27.26 | 25.58 | 24.97 | 24.47 | 24.31 | 25.15 | 26.27 | 27.96 |
| 10/1995 | 25.43 | 26.77 | 27.64 | 28.40 | 29.33 | 27.98 | 27.67 | 26.54 | 25.29 | 24.25 | 24.24 | 24.67 | 25.51 |
| 10/1998 | 25.62 | 26.99 | 28.74 | 28.34 | 29.50 | 28.73 | 27.90 | 26.65 | 25.89 | 25.58 | 25.40 | 26.04 | 26.35 |
| 01/2011 | 28.83 | 29.16 | 28.84 | 27.95 | 26.79 | 25.99 | 24.84 | 24.96 | 26.12 | 27.11 | 27.78 | 29.40 | 29.10 |
| 11/2008 | 27.21 | 28.53 | 29.19 | 28.95 | 28.27 | 27.26 | 25.58 | 24.97 | 24.47 | 24.31 | 25.15 | 26.27 | 27.96 |
| 11/2009 | 27.96 | 29.37 | 29.45 | 29.04 | 28.86 | 27.91 | 26.68 | 25.86 | 25.28 | 25.04 | 25.61 | 26.50 | 27.07 |
| 10/2012 | 26.66 | 27.72 | 29.16 | 29.28 | 28.96 | 28.77 | 27.75 | 26.78 | 25.06 | 25.16 | 24.65 | 25.36 | 26.20 |
| 12/2014 | 28.10 | 28.71 | 28.46 | 28.11 | 27.79 | 26.68 | 25.62 | 24.51 | 24.29 | 24.60 | 25.60 | 27.33 | 28.57 |
| 10/1994 | 25.67 | 27.16 | 27.65 | 28.41 | 29.19 | 28.64 | 26.92 | 25.79 | 24.94 | 24.24 | 23.47 | 23.99 | 25.34 |
| 10/1997 | 26.35 | 27.72 | 28.90 | 28.69 | 28.86 | 27.52 | 26.85 | 26.13 | 25.21 | 24.54 | 24.48 | 24.74 | 25.68 |
| 09/2003 | 25.23 | 26.02 | 27.15 | 28.50 | 29.17 | 29.59 | 29.06 | 28.08 | 26.85 | 26.10 | 24.90 | 24.51 | 25.35 |

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|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 11/2008 | 27.21 | 28.53 | 29.19 | 28.95 | 28.27 | 27.26 | 25.58 | 24.97 | 24.47 | 24.31 | 25.15 | 26.27 | 27.96 |
| 11/2009 | 27.96 | 29.37 | 29.45 | 29.04 | 28.86 | 27.91 | 26.68 | 25.86 | 25.28 | 25.04 | 25.61 | 26.50 | 27.07 |
| 11/2010 | 27.07 | 28.52 | 28.85 | 29.20 | 29.08 | 28.32 | 27.05 | 26.34 | 25.19 | 25.29 | 26.36 | 27.33 | 27.98 |
| 10/2012 | 26.66 | 27.72 | 29.16 | 29.28 | 28.96 | 28.77 | 27.75 | 26.78 | 25.06 | 25.16 | 24.65 | 25.36 | 26.20 |
| 12/2014 | 28.10 | 28.71 | 28.46 | 28.11 | 27.79 | 26.68 | 25.62 | 24.51 | 24.29 | 24.60 | 25.60 | 27.33 | 28.57 |
| 10/1994 | 25.67 | 27.16 | 27.65 | 28.41 | 29.19 | 28.64 | 26.92 | 25.79 | 24.94 | 24.24 | 23.47 | 23.99 | 25.34 |
| 10/1997 | 26.35 | 27.72 | 28.90 | 28.69 | 28.86 | 27.52 | 26.85 | 26.13 | 25.21 | 24.54 | 24.48 | 24.74 | 25.68 |
| 11/2008 | 27.21 | 28.53 | 29.19 | 28.95 | 28.27 | 27.26 | 25.58 | 24.97 | 24.47 | 24.31 | 25.15 | 26.27 | 27.96 |
| 11/2009 | 27.96 | 29.37 | 29.45 | 29.04 | 28.86 | 27.91 | 26.68 | 25.86 | 25.28 | 25.04 | 25.61 | 26.50 | 27.07 |
| 12/2014 | 28.10 | 28.71 | 28.46 | 28.11 | 27.79 | 26.68 | 25.62 | 24.51 | 24.29 | 24.60 | 25.60 | 27.33 | 28.57 |
| 10/1993 | 25.34 | 26.75 | 28.07 | 27.65 | 27.75 | 28.06 | 26.79 | 25.71 | 24.65 | 24.26 | 24.30 | 24.58 | 25.67 |
| 12/1993 | 27.49 | 27.33 | 27.39 | 27.57 | 26.23 | 24.90 | 24.19 | 23.33 | 23.79 | 24.10 | 25.42 | 27.30 | 27.71 |
| 05/1997 | 26.07 | 24.55 | 23.97 | 23.81 | 24.28 | 25.37 | 27.07 | 28.33 | 27.96 | 27.92 | 26.96 | 26.32 | 25.14 |
| 05/2001 | 25.61 | 23.83 | 22.74 | 23.56 | 24.53 | 25.67 | 27.34 | 27.40 | 27.72 | 28.13 | 28.45 | 27.12 | 26.32 |
| 11/2022 | 27.39 | 28.18 | 29.57 | 29.36 | 28.50 | 27.42 | 25.76 | 24.75 | 23.56 | 23.58 | 24.71 | 25.54 | 26.73 |
| 02/2004 | 29.09 | 28.74 | 27.78 | 26.16 | 24.87 | 23.74 | 23.69 | 24.67 | 25.80 | 27.09 | 28.14 | 29.47 | 29.78 |
| 03/2005 | 28.76 | 27.36 | 25.94 | 24.29 | 23.36 | 23.31 | 23.74 | 25.61 | 27.04 | 28.16 | 28.57 | 29.17 | 28.22 |
| 03/2007 | 28.31 | 27.19 | 25.52 | 24.14 | 23.06 | 22.93 | 23.90 | 24.70 | 26.18 | 26.88 | 28.52 | 28.15 | 27.96 |
| 05/2018 | 25.72 | 24.27 | 23.86 | 23.89 | 24.51 | 26.28 | 27.10 | 28.29 | 28.58 | 28.87 | 28.26 | 27.09 | 25.43 |
| 09/2020 | 23.77 | 25.50 | 26.76 | 27.91 | 29.19 | 29.82 | 28.44 | 27.59 | 25.89 | 24.22 | 23.50 | 23.64 | 24.16 |
| 12/2002 | 28.18 | 29.57 | 29.36 | 28.50 | 27.42 | 25.76 | 24.75 | 23.56 | 23.58 | 24.71 | 25.54 | 26.73 | 28.12 |
| 03/2021 | 28.79 | 27.44 | 26.09 | 24.47 | 23.64 | 23.49 | 23.81 | 25.60 | 26.97 | 28.12 | 28.54 | 29.13 | 28.22 |
| 05/1997 | 26.07 | 24.55 | 23.97 | 23.81 | 24.28 | 25.37 | 27.07 | 28.33 | 27.96 | 27.92 | 26.96 | 26.32 | 25.14 |
| 04/1998 | 26.32 | 25.14 | 24.08 | 23.08 | 23.55 | 24.19 | 25.13 | 26.51 | 28.54 | 27.95 | 29.27 | 28.51 | 27.49 |
| 06/1999 | 25.08 | 24.19 | 24.31 | 25.10 | 25.73 | 27.07 | 27.70 | 28.27 | 28.30 | 28.18 | 26.88 | 25.04 | 24.45 |
| 03/2000 | 28.18 | 26.88 | 25.04 | 24.45 | 23.73 | 22.85 | 23.59 | 25.27 | 26.84 | 27.19 | 28.24 | 28.26 | 27.99 |
| 12/2002 | 28.18 | 29.57 | 29.36 | 28.50 | 27.42 | 25.76 | 24.75 | 23.56 | 23.58 | 24.71 | 25.54 | 26.73 | 28.12 |
| 11/2003 | 26.73 | 28.12 | 28.50 | 29.09 | 28.74 | 27.78 | 26.16 | 24.87 | 23.74 | 23.69 | 24.67 | 25.80 | 27.09 |
| 05/2005 | 25.94 | 24.29 | 23.36 | 23.31 | 23.74 | 25.61 | 27.04 | 28.16 | 28.57 | 29.17 | 28.22 | 27.38 | 25.75 |
| 05/2015 | 25.67 | 24.27 | 23.06 | 23.05 | 23.91 | 24.95 | 26.97 | 28.31 | 28.94 | 28.77 | 28.70 | 27.82 | 26.11 |
| 02/2021 | 29.82 | 28.44 | 27.59 | 25.89 | 24.22 | 23.50 | 23.64 | 24.16 | 25.70 | 27.45 | 28.79 | 28.72 | 28.99 |
| 04/1998 | 26.36 | 25.25 | 24.26 | 23.30 | 23.67 | 24.22 | 25.11 | 26.48 | 28.55 | 27.94 | 29.25 | 28.51 | 27.60 |
| 05/2001 | 25.78 | 24.04 | 22.95 | 23.70 | 24.59 | 25.68 | 27.31 | 27.40 | 27.75 | 28.19 | 28.54 | 27.23 | 26.42 |
| 03/1993 | 28.20 | 26.86 | 25.68 | 23.81 | 23.24 | 23.45 | 24.75 | 24.79 | 26.07 | 27.49 | 27.33 | 27.39 | 27.57 |
| 05/1999 | 26.10 | 25.08 | 24.19 | 24.31 | 25.10 | 25.73 | 27.07 | 27.70 | 28.27 | 28.30 | 28.18 | 26.88 | 25.04 |
| 03/1993 | 28.17 | 26.90 | 25.81 | 24.11 | 23.49 | 23.64 | 24.85 | 24.79 | 26.01 | 27.45 | 27.34 | 27.38 | 27.55 |
| 06/1999 | 25.34 | 24.43 | 24.50 | 25.20 | 25.80 | 27.18 | 27.73 | 28.27 | 28.33 | 28.28 | 27.06 | 25.22 | 24.65 |
| 05/1999 | 26.32 | 25.34 | 24.43 | 24.50 | 25.20 | 25.80 | 27.18 | 27.73 | 28.27 | 28.33 | 28.28 | 27.06 | 25.22 |
| 03/1997 | 28.05 | 27.54 | 26.07 | 24.55 | 23.97 | 23.81 | 24.28 | 25.37 | 27.07 | 28.33 | 27.96 | 27.92 | 26.96 |
| 03/2000 | 28.18 | 26.88 | 25.04 | 24.45 | 23.73 | 22.85 | 23.59 | 25.27 | 26.84 | 27.19 | 28.24 | 28.26 | 27.99 |
| 12/2002 | 28.18 | 29.57 | 29.36 | 28.50 | 27.42 | 25.76 | 24.75 | 23.56 | 23.58 | 24.71 | 25.54 | 26.73 | 28.12 |
| 05/2005 | 25.94 | 24.29 | 23.36 | 23.31 | 23.74 | 25.61 | 27.04 | 28.16 | 28.57 | 29.17 | 28.22 | 27.38 | 25.75 |
| 03/2007 | 28.31 | 27.19 | 25.52 | 24.14 | 23.06 | 22.93 | 23.90 | 24.70 | 26.18 | 26.88 | 28.52 | 28.15 | 27.96 |
| 03/2022 | 28.44 | 27.59 | 25.89 | 24.22 | 23.50 | 23.64 | 24.16 | 25.70 | 27.45 | 28.79 | 28.72 | 28.99 | 28.56 |
| 03/2007 | 28.33 | 27.27 | 25.69 | 24.37 | 23.31 | 23.11 | 24.01 | 24.66 | 26.11 | 26.85 | 28.47 | 28.14 | 28.01 |
| 03/2000 | 28.18 | 26.88 | 25.04 | 24.45 | 23.73 | 22.85 | 23.59 | 25.27 | 26.84 | 27.19 | 28.24 | 28.26 | 27.99 |
| 11/2002 | 27.39 | 28.18 | 29.57 | 29.36 | 28.50 | 27.42 | 25.76 | 24.75 | 23.56 | 23.58 | 24.71 | 25.54 | 26.73 |
| 05/2005 | 25.94 | 24.29 | 23.36 | 23.31 | 23.74 | 25.61 | 27.04 | 28.16 | 28.57 | 29.17 | 28.22 | 27.38 | 25.75 |
| 03/2007 | 28.31 | 27.19 | 25.52 | 24.14 | 23.06 | 22.93 | 23.90 | 24.70 | 26.18 | 26.88 | 28.52 | 28.15 | 27.96 |
| 11/2001 | 27.34 | 27.40 | 27.72 | 28.13 | 28.45 | 27.12 | 26.32 | 24.92 | 23.74 | 23.32 | 24.42 | 25.53 | 27.39 |
| 05/2005 | 25.94 | 24.29 | 23.36 | 23.31 | 23.74 | 25.61 | 27.04 | 28.16 | 28.57 | 29.17 | 28.22 | 27.38 | 25.75 |
| 02/2020 | 29.44 | 29.43 | 27.59 | 25.95 | 24.37 | 24.24 | 24.33 | 24.74 | 26.37 | 27.19 | 28.64 | 28.65 | 28.90 |

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|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 03/1996 | 27.91 | 27.64 | 26.20 | 24.89 | 23.60 | 23.75 | 24.31 | 25.14 | 27.44 | 28.43 | 28.53 | 28.90 | 28.19 |
| 02/1999 | 29.39 | 28.58 | 27.60 | 26.15 | 25.20 | 24.56 | 24.61 | 25.45 | 25.96 | 27.15 | 27.81 | 28.34 | 28.29 |
| 08/2001 | 23.84 | 24.75 | 25.85 | 27.55 | 27.60 | 27.89 | 28.20 | 28.50 | 27.19 | 26.30 | 24.97 | 23.93 | 23.51 |
| 12/2016 | 28.29 | 28.55 | 29.90 | 29.30 | 27.88 | 26.62 | 25.86 | 24.69 | 24.14 | 25.53 | 26.49 | 27.64 | 28.12 |
| 05/1995 | 25.35 | 24.41 | 23.79 | 23.00 | 23.66 | 25.55 | 26.75 | 27.23 | 28.47 | 29.34 | 27.91 | 27.64 | 26.20 |
| 02/1998 | 28.12 | 27.06 | 26.43 | 25.32 | 24.23 | 23.31 | 23.78 | 24.38 | 25.36 | 26.67 | 28.62 | 28.05 | 29.39 |
| 06/2000 | 24.55 | 23.89 | 23.17 | 23.97 | 25.52 | 27.07 | 27.41 | 28.46 | 28.56 | 28.18 | 27.04 | 25.76 | 24.04 |
| 11/2001 | 27.55 | 27.60 | 27.89 | 28.20 | 28.50 | 27.19 | 26.30 | 24.97 | 23.93 | 23.51 | 24.72 | 25.71 | 27.56 |
| 04/2015 | 27.29 | 25.74 | 24.43 | 23.26 | 23.38 | 24.24 | 25.09 | 27.31 | 28.43 | 29.25 | 28.97 | 28.77 | 27.79 |
| 12/2022 | 28.43 | 29.25 | 28.97 | 28.77 | 27.79 | 26.19 | 24.73 | 23.79 | 24.03 | 24.58 | 25.22 | 27.15 | 28.29 |
| 05/2000 | 25.17 | 24.55 | 23.89 | 23.17 | 23.97 | 25.52 | 27.07 | 27.41 | 28.46 | 28.56 | 28.18 | 27.04 | 25.76 |
| 12/2016 | 28.29 | 28.55 | 29.90 | 29.30 | 27.88 | 26.62 | 25.86 | 24.69 | 24.14 | 25.53 | 26.49 | 27.64 | 28.12 |
| 02/2018 | 29.44 | 29.43 | 27.59 | 25.95 | 24.37 | 24.24 | 24.33 | 24.74 | 26.37 | 27.19 | 28.64 | 28.65 | 28.90 |
| 02/1997 | 29.05 | 28.39 | 27.90 | 26.40 | 24.89 | 24.51 | 24.54 | 24.93 | 25.91 | 27.52 | 28.64 | 28.32 | 28.38 |
| 02/1998 | 28.38 | 27.20 | 26.62 | 25.67 | 24.68 | 23.88 | 24.13 | 24.54 | 25.52 | 26.84 | 28.74 | 28.21 | 29.47 |
| 02/1999 | 29.47 | 28.67 | 27.84 | 26.51 | 25.65 | 25.24 | 25.14 | 25.86 | 26.22 | 27.30 | 27.95 | 28.43 | 28.35 |
| 02/2000 | 28.35 | 28.45 | 27.42 | 25.56 | 24.90 | 24.31 | 23.65 | 24.43 | 25.84 | 27.34 | 27.69 | 28.67 | 28.83 |
| 09/2007 | 24.48 | 25.11 | 26.55 | 27.26 | 28.89 | 28.68 | 28.32 | 26.82 | 26.18 | 25.54 | 24.27 | 24.01 | 24.52 |
| 04/2022 | 27.49 | 26.11 | 24.92 | 23.82 | 23.87 | 24.48 | 25.31 | 27.53 | 28.52 | 29.40 | 29.20 | 28.77 | 27.78 |
| 02/2010 | 28.21 | 27.73 | 27.04 | 25.59 | 24.38 | 23.49 | 23.50 | 24.28 | 25.20 | 25.82 | 27.75 | 28.14 | 28.58 |
| 11/2010 | 25.82 | 27.75 | 28.14 | 28.58 | 27.93 | 27.07 | 25.88 | 24.74 | 24.10 | 23.71 | 24.71 | 25.67 | 26.48 |
| 01/2012 | 28.40 | 28.15 | 28.03 | 26.61 | 25.05 | 23.43 | 22.67 | 22.85 | 23.01 | 24.62 | 26.06 | 27.33 | 27.94 |
| 12/2022 | 27.08 | 27.88 | 28.48 | 27.34 | 26.60 | 25.50 | 24.05 | 23.27 | 23.13 | 23.84 | 25.19 | 26.62 | 27.00 |
| 08/2001 | 22.89 | 23.90 | 25.04 | 26.28 | 26.73 | 27.22 | 27.83 | 28.13 | 26.87 | 26.03 | 24.61 | 23.50 | 22.92 |
| 11/2010 | 25.82 | 27.75 | 28.14 | 28.58 | 27.93 | 27.07 | 25.88 | 24.74 | 24.10 | 23.71 | 24.71 | 25.67 | 26.48 |
| 02/2017 | 28.92 | 28.17 | 27.09 | 26.36 | 25.18 | 23.95 | 22.98 | 24.09 | 25.68 | 27.06 | 27.53 | 28.72 | 28.57 |
| 07/2006 | 23.20 | 22.90 | 23.31 | 25.19 | 26.62 | 28.32 | 28.56 | 28.44 | 27.86 | 26.95 | 25.46 | 23.97 | 23.02 |
| 02/2010 | 28.21 | 27.73 | 27.04 | 25.59 | 24.38 | 23.49 | 23.50 | 24.28 | 25.20 | 25.82 | 27.75 | 28.14 | 28.58 |
| 11/2011 | 26.48 | 27.88 | 28.40 | 28.15 | 28.03 | 26.61 | 25.05 | 23.43 | 22.67 | 22.85 | 23.01 | 24.62 | 26.06 |
| 12/2013 | 27.08 | 27.88 | 28.48 | 27.34 | 26.60 | 25.50 | 24.05 | 23.27 | 23.13 | 23.84 | 25.19 | 26.62 | 27.00 |
| 05/2006 | 25.57 | 24.25 | 23.20 | 22.90 | 23.31 | 25.19 | 26.62 | 28.32 | 28.56 | 28.44 | 27.86 | 26.95 | 25.46 |
| 06/2018 | 24.47 | 23.25 | 22.92 | 23.11 | 24.76 | 26.12 | 27.08 | 28.00 | 28.28 | 26.89 | 26.05 | 24.74 | 23.85 |
| 12/2013 | 27.08 | 27.88 | 28.48 | 27.34 | 26.60 | 25.50 | 24.05 | 23.27 | 23.13 | 23.84 | 25.19 | 26.62 | 27.00 |
| 03/2016 | 28.38 | 27.52 | 25.93 | 24.41 | 23.79 | 23.48 | 24.11 | 24.19 | 26.11 | 27.63 | 28.14 | 28.92 | 28.17 |
| 03/2018 | 28.61 | 26.92 | 25.43 | 24.02 | 23.52 | 23.62 | 24.30 | 25.88 | 26.37 | 27.34 | 28.03 | 28.40 | 27.70 |
| 06/2008 | 24.47 | 23.25 | 22.92 | 23.11 | 24.76 | 26.12 | 27.08 | 28.00 | 28.28 | 26.89 | 26.05 | 24.74 | 23.85 |
| 01/2010 | 28.50 | 28.21 | 27.73 | 27.04 | 25.59 | 24.38 | 23.49 | 23.50 | 24.28 | 25.20 | 25.82 | 27.75 | 28.14 |
| 01/2012 | 28.40 | 28.15 | 28.03 | 26.61 | 25.05 | 23.43 | 22.67 | 22.85 | 23.01 | 24.62 | 26.06 | 27.33 | 27.94 |
| 12/2013 | 27.08 | 27.88 | 28.48 | 27.34 | 26.60 | 25.50 | 24.05 | 23.27 | 23.13 | 23.84 | 25.19 | 26.62 | 27.00 |
| 03/2016 | 28.38 | 27.52 | 25.93 | 24.41 | 23.79 | 23.48 | 24.11 | 24.19 | 26.11 | 27.63 | 28.14 | 28.92 | 28.17 |
| 03/2018 | 28.61 | 26.92 | 25.43 | 24.02 | 23.52 | 23.62 | 24.30 | 25.88 | 26.37 | 27.34 | 28.03 | 28.40 | 27.70 |
| 09/2023 | 25.16 | 26.45 | 27.40 | 27.44 | 27.54 | 27.98 | 27.12 | 25.17 | 23.32 | 22.22 | 22.06 | 22.82 | 24.79 |
| 02/1995 | 27.84 | 27.46 | 26.13 | 24.96 | 24.26 | 23.23 | 22.51 | 22.99 | 24.77 | 26.33 | 26.46 | 27.76 | 28.45 |
| 10/2003 | 25.07 | 26.06 | 27.58 | 27.59 | 28.39 | 28.11 | 27.57 | 25.75 | 24.54 | 23.41 | 23.33 | 24.06 | 25.11 |
| 09/2019 | 25.16 | 26.45 | 27.40 | 27.44 | 27.54 | 27.98 | 27.12 | 25.17 | 23.32 | 22.22 | 22.06 | 22.82 | 24.79 |
| 03/2016 | 28.20 | 27.33 | 25.90 | 24.62 | 24.09 | 23.69 | 24.19 | 24.30 | 26.04 | 27.47 | 27.98 | 28.91 | 28.19 |
| 10/2017 | 25.60 | 27.01 | 27.55 | 28.66 | 28.52 | 28.55 | 27.21 | 25.68 | 24.47 | 23.89 | 23.95 | 24.39 | 25.81 |
| 09/2019 | 23.86 | 25.13 | 26.38 | 27.48 | 27.49 | 27.61 | 27.92 | 27.15 | 25.47 | 23.95 | 22.80 | 22.55 | 23.08 |
| 04/1994 | 26.00 | 25.07 | 24.30 | 23.70 | 23.85 | 23.77 | 24.79 | 26.30 | 26.65 | 27.22 | 27.80 | 27.40 | 26.19 |
| 01/2006 | 27.75 | 28.26 | 27.60 | 26.66 | 25.29 | 24.04 | 23.22 | 22.82 | 23.08 | 24.91 | 26.28 | 28.09 | 28.44 |
| 01/2018 | 28.26 | 28.31 | 28.44 | 27.01 | 25.44 | 24.31 | 23.76 | 23.68 | 24.14 | 25.47 | 26.04 | 27.12 | 27.71 |
| 11/1995 | 25.97 | 26.17 | 27.37 | 27.99 | 27.02 | 26.94 | 25.73 | 24.18 | 23.30 | 22.99 | 23.56 | 24.25 | 26.38 |

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|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 11/1995 | 25.97 | 26.17 | 27.37 | 27.99 | 27.02 | 26.94 | 25.73 | 24.18 | 23.30 | 22.99 | 23.56 | 24.25 | 26.38 |
| 11/2004 | 25.75 | 27.12 | 28.54 | 29.37 | 28.18 | 27.03 | 25.57 | 24.17 | 23.17 | 22.91 | 23.22 | 24.85 | 26.10 |
| 10/1992 | 24.75 | 25.52 | 27.04 | 27.37 | 27.86 | 27.18 | 26.25 | 25.24 | 23.74 | 22.94 | 23.08 | 24.01 | 24.07 |
| 11/1994 | 25.81 | 26.27 | 27.00 | 27.57 | 27.09 | 25.85 | 24.75 | 24.12 | 22.97 | 22.37 | 22.75 | 24.32 | 25.97 |
| 11/1996 | 26.38 | 27.36 | 27.95 | 28.20 | 27.35 | 26.91 | 25.84 | 24.38 | 23.34 | 22.97 | 23.42 | 24.43 | 25.67 |
| 12/1997 | 27.40 | 27.28 | 27.44 | 26.78 | 25.93 | 24.77 | 23.52 | 22.76 | 22.75 | 23.43 | 24.13 | 25.67 | 27.82 |
| 12/1998 | 27.82 | 27.46 | 28.74 | 28.06 | 27.21 | 26.25 | 25.14 | 23.70 | 24.06 | 24.19 | 24.86 | 26.04 | 26.89 |
| 11/1999 | 26.04 | 26.89 | 27.78 | 27.89 | 28.01 | 26.72 | 25.10 | 24.18 | 23.07 | 22.29 | 23.11 | 24.50 | 25.39 |
| 09/2000 | 23.11 | 24.50 | 25.39 | 26.02 | 27.16 | 27.06 | 27.11 | 26.31 | 25.11 | 23.29 | 22.16 | 22.61 | 23.60 |
| 08/2001 | 22.61 | 23.60 | 24.70 | 25.61 | 26.41 | 27.00 | 27.67 | 27.90 | 26.72 | 25.72 | 24.23 | 23.37 | 22.76 |
| 09/2002 | 23.53 | 24.43 | 26.54 | 27.22 | 28.54 | 28.73 | 27.76 | 26.98 | 25.77 | 24.59 | 23.09 | 22.95 | 23.85 |
| 10/2003 | 24.78 | 25.75 | 27.28 | 27.21 | 27.98 | 27.75 | 27.31 | 25.44 | 24.43 | 23.31 | 23.19 | 23.80 | 24.72 |
| 11/2004 | 25.75 | 27.12 | 28.54 | 29.37 | 28.18 | 27.03 | 25.57 | 24.17 | 23.17 | 22.91 | 23.22 | 24.85 | 26.10 |
| 01/2006 | 27.75 | 28.26 | 27.60 | 26.66 | 25.29 | 24.04 | 23.22 | 22.82 | 23.08 | 24.91 | 26.28 | 28.09 | 28.44 |
| 11/2008 | 25.75 | 26.63 | 27.57 | 28.07 | 26.65 | 25.93 | 24.68 | 23.72 | 22.85 | 22.79 | 23.27 | 24.65 | 26.08 |
| 09/2012 | 22.79 | 24.29 | 25.76 | 26.96 | 27.62 | 28.48 | 27.88 | 26.46 | 25.28 | 23.44 | 23.12 | 22.38 | 23.07 |
| 09/2013 | 23.07 | 24.04 | 25.39 | 26.74 | 27.68 | 28.05 | 26.97 | 26.40 | 25.31 | 23.83 | 23.23 | 23.08 | 23.66 |
| 01/2017 | 27.61 | 28.58 | 27.99 | 26.81 | 26.12 | 25.05 | 24.08 | 23.04 | 23.92 | 25.21 | 26.52 | 27.07 | 28.26 |
| 02/2018 | 28.31 | 28.44 | 27.01 | 25.44 | 24.31 | 23.76 | 23.68 | 24.14 | 25.47 | 26.04 | 27.12 | 27.71 | 28.00 |
| 04/2019 | 26.82 | 25.33 | 23.88 | 23.22 | 23.10 | 23.66 | 24.93 | 26.12 | 27.12 | 27.35 | 27.36 | 27.74 | 26.63 |
| 01/2020 | 27.35 | 27.36 | 27.74 | 26.63 | 25.12 | 23.72 | 22.95 | 22.55 | 23.07 | 24.49 | 25.67 | 27.14 | 27.88 |
| 09/2020 | 23.07 | 24.49 | 25.67 | 27.14 | 27.88 | 29.06 | 28.14 | 26.92 | 25.70 | 24.21 | 23.14 | 22.63 | 23.66 |
| 12/1998 | 28.03 | 27.54 | 28.85 | 28.20 | 27.44 | 26.62 | 25.61 | 24.21 | 24.49 | 24.72 | 25.37 | 26.49 | 27.15 |
| 11/1999 | 26.49 | 27.15 | 27.92 | 28.03 | 28.17 | 26.99 | 25.41 | 24.65 | 23.66 | 22.83 | 23.52 | 24.96 | 25.88 |
| 08/2001 | 22.83 | 23.52 | 24.96 | 25.88 | 26.38 | 27.40 | 27.33 | 27.43 | 26.64 | 25.58 | 23.87 | 22.75 | 23.19 |
| 09/2002 | 23.52 | 24.96 | 25.88 | 26.38 | 27.40 | 27.33 | 27.43 | 26.64 | 25.58 | 23.87 | 22.75 | 23.19 | 24.08 |
| 10/2003 | 25.06 | 26.16 | 26.71 | 27.30 | 27.90 | 28.18 | 26.99 | 26.10 | 24.69 | 23.77 | 23.24 | 23.94 | 24.83 |
| 11/2006 | 26.47 | 28.19 | 28.51 | 28.37 | 27.82 | 27.06 | 25.72 | 24.33 | 23.45 | 23.00 | 23.53 | 23.96 | 25.36 |
| 12/2010 | 27.49 | 27.94 | 28.42 | 27.89 | 27.11 | 26.08 | 25.12 | 24.51 | 24.14 | 25.00 | 25.83 | 26.51 | 27.86 |
| 08/2012 | 23.29 | 23.31 | 24.75 | 25.98 | 27.26 | 27.84 | 28.64 | 28.06 | 26.73 | 25.72 | 23.98 | 23.74 | 22.99 |
| 01/2015 | 27.96 | 27.54 | 27.29 | 27.21 | 25.91 | 24.52 | 23.54 | 23.11 | 23.34 | 24.21 | 25.91 | 27.65 | 28.23 |
| 01/2018 | 28.47 | 28.49 | 28.42 | 27.33 | 25.89 | 24.70 | 24.18 | 24.10 | 24.38 | 25.84 | 26.39 | 27.43 | 27.99 |
| 09/2020 | 23.45 | 24.79 | 25.85 | 27.27 | 28.10 | 29.20 | 28.25 | 27.20 | 26.07 | 24.78 | 23.77 | 23.25 | 24.01 |
| 10/1992 | 24.75 | 25.52 | 27.04 | 27.37 | 27.86 | 27.18 | 26.25 | 25.24 | 23.74 | 22.94 | 23.08 | 24.01 | 24.07 |
| 11/1994 | 25.81 | 26.27 | 27.00 | 27.57 | 27.09 | 25.85 | 24.75 | 24.12 | 22.97 | 22.37 | 22.75 | 24.32 | 25.97 |
| 11/1995 | 25.97 | 26.17 | 27.37 | 27.99 | 27.02 | 26.94 | 25.73 | 24.18 | 23.30 | 22.99 | 23.56 | 24.25 | 26.38 |
| 11/1996 | 26.38 | 27.36 | 27.95 | 28.20 | 27.35 | 26.91 | 25.84 | 24.38 | 23.34 | 22.97 | 23.42 | 24.43 | 25.67 |
| 12/1997 | 27.40 | 27.28 | 27.44 | 26.78 | 25.93 | 24.77 | 23.52 | 22.76 | 22.75 | 23.43 | 24.13 | 25.67 | 27.82 |
| 12/1998 | 27.82 | 27.46 | 28.74 | 28.06 | 27.21 | 26.25 | 25.14 | 23.70 | 24.06 | 24.19 | 24.86 | 26.04 | 26.89 |
| 11/1999 | 26.04 | 26.89 | 27.78 | 27.89 | 28.01 | 26.72 | 25.10 | 24.18 | 23.07 | 22.29 | 23.11 | 24.50 | 25.39 |
| 09/2000 | 23.11 | 24.50 | 25.39 | 26.02 | 27.16 | 27.06 | 27.11 | 26.31 | 25.11 | 23.29 | 22.16 | 22.61 | 23.60 |
| 08/2001 | 22.61 | 23.60 | 24.70 | 25.61 | 26.41 | 27.00 | 27.67 | 27.90 | 26.72 | 25.72 | 24.23 | 23.37 | 22.76 |
| 09/2002 | 23.53 | 24.43 | 26.54 | 27.22 | 28.54 | 28.73 | 27.76 | 26.98 | 25.77 | 24.59 | 23.09 | 22.95 | 23.85 |
| 10/2003 | 24.78 | 25.75 | 27.28 | 27.21 | 27.98 | 27.75 | 27.31 | 25.44 | 24.43 | 23.31 | 23.19 | 23.80 | 24.72 |
| 11/2004 | 25.75 | 27.12 | 28.54 | 29.37 | 28.18 | 27.03 | 25.57 | 24.17 | 23.17 | 22.91 | 23.22 | 24.85 | 26.10 |
| 01/2006 | 27.75 | 28.26 | 27.60 | 26.66 | 25.29 | 24.04 | 23.22 | 22.82 | 23.08 | 24.91 | 26.28 | 28.09 | 28.44 |
| 11/2006 | 26.28 | 28.09 | 28.44 | 28.26 | 27.59 | 26.77 | 25.34 | 23.84 | 23.02 | 22.57 | 23.02 | 23.67 | 25.11 |
| 01/2017 | 27.61 | 28.58 | 27.99 | 26.81 | 26.12 | 25.05 | 24.08 | 23.04 | 23.92 | 25.21 | 26.52 | 27.07 | 28.26 |
| 09/2018 | 24.14 | 25.47 | 26.04 | 27.12 | 27.71 | 28.00 | 27.68 | 26.82 | 25.33 | 23.88 | 23.22 | 23.10 | 23.66 |
| 09/2021 | 23.07 | 24.49 | 25.67 | 27.14 | 27.88 | 29.06 | 28.14 | 26.92 | 25.70 | 24.21 | 23.14 | 22.63 | 23.66 |
| 01/2012 | 28.08 | 28.03 | 27.80 | 26.39 | 24.95 | 23.39 | 22.63 | 22.75 | 22.79 | 24.29 | 25.76 | 26.96 | 27.62 |
| 01/2016 | 28.23 | 28.29 | 28.11 | 27.30 | 25.76 | 24.54 | 23.90 | 23.35 | 23.91 | 24.00 | 25.72 | 27.12 | 27.61 |

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|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01/2018 | 28.26 | 28.31 | 28.44 | 27.01 | 25.44 | 24.31 | 23.76 | 23.68 | 24.14 | 25.47 | 26.04 | 27.12 | 27.71 |
| 01/2021 | 27.35 | 27.36 | 27.74 | 26.63 | 25.12 | 23.72 | 22.95 | 22.55 | 23.07 | 24.49 | 25.67 | 27.14 | 27.88 |
| 01/2006 | 27.75 | 28.26 | 27.60 | 26.66 | 25.29 | 24.04 | 23.22 | 22.82 | 23.08 | 24.91 | 26.28 | 28.09 | 28.44 |
| 01/2018 | 28.26 | 28.31 | 28.44 | 27.01 | 25.44 | 24.31 | 23.76 | 23.68 | 24.14 | 25.47 | 26.04 | 27.12 | 27.71 |
| 01/2020 | 27.35 | 27.36 | 27.74 | 26.63 | 25.12 | 23.72 | 22.95 | 22.55 | 23.07 | 24.49 | 25.67 | 27.14 | 27.88 |
| 05/1994 | 24.76 | 23.83 | 23.27 | 23.34 | 23.37 | 24.40 | 25.81 | 26.27 | 27.00 | 27.57 | 27.09 | 25.85 | 24.75 |
| 11/1999 | 26.04 | 26.89 | 27.78 | 27.89 | 28.01 | 26.72 | 25.10 | 24.18 | 23.07 | 22.29 | 23.11 | 24.50 | 25.39 |
| 09/2000 | 23.11 | 24.50 | 25.39 | 26.02 | 27.16 | 27.06 | 27.11 | 26.31 | 25.11 | 23.29 | 22.16 | 22.61 | 23.60 |
| 08/2001 | 22.61 | 23.60 | 24.70 | 25.61 | 26.41 | 27.00 | 27.67 | 27.90 | 26.72 | 25.72 | 24.23 | 23.37 | 22.76 |
| 09/2002 | 23.53 | 24.43 | 26.54 | 27.22 | 28.54 | 28.73 | 27.76 | 26.98 | 25.77 | 24.59 | 23.09 | 22.95 | 23.85 |
| 10/2003 | 24.78 | 25.75 | 27.28 | 27.21 | 27.98 | 27.75 | 27.31 | 25.44 | 24.43 | 23.31 | 23.19 | 23.80 | 24.72 |
| 11/2004 | 25.75 | 27.12 | 28.54 | 29.37 | 28.18 | 27.03 | 25.57 | 24.17 | 23.17 | 22.91 | 23.22 | 24.85 | 26.10 |
| 01/2017 | 27.61 | 28.58 | 27.99 | 26.81 | 26.12 | 25.05 | 24.08 | 23.04 | 23.92 | 25.21 | 26.52 | 27.07 | 28.26 |
| 09/2018 | 24.14 | 25.47 | 26.04 | 27.12 | 27.71 | 28.00 | 27.68 | 26.82 | 25.33 | 23.88 | 23.22 | 23.10 | 23.66 |
| 09/2020 | 23.07 | 24.49 | 25.67 | 27.14 | 27.88 | 29.06 | 28.14 | 26.92 | 25.70 | 24.21 | 23.14 | 22.63 | 23.66 |
| 01/2006 | 27.75 | 28.26 | 27.60 | 26.66 | 25.29 | 24.04 | 23.22 | 22.82 | 23.08 | 24.91 | 26.28 | 28.09 | 28.44 |
| 01/2010 | 28.07 | 28.02 | 27.51 | 26.90 | 25.33 | 24.18 | 23.31 | 23.31 | 24.13 | 24.90 | 25.62 | 27.43 | 27.89 |
| 01/2018 | 28.26 | 28.31 | 28.44 | 27.01 | 25.44 | 24.31 | 23.76 | 23.68 | 24.14 | 25.47 | 26.04 | 27.12 | 27.71 |
| 01/2020 | 27.35 | 27.36 | 27.74 | 26.63 | 25.12 | 23.72 | 22.95 | 22.55 | 23.07 | 24.49 | 25.67 | 27.14 | 27.88 |
| 04/1999 | 27.49 | 26.10 | 25.08 | 24.19 | 24.31 | 25.10 | 25.73 | 27.07 | 27.70 | 28.27 | 28.30 | 28.18 | 26.88 |
| 08/2001 | 23.56 | 24.53 | 25.67 | 27.34 | 27.40 | 27.72 | 28.13 | 28.45 | 27.12 | 26.32 | 24.92 | 23.74 | 23.32 |
| 03/2003 | 28.50 | 27.42 | 25.76 | 24.75 | 23.56 | 23.58 | 24.71 | 25.54 | 26.73 | 28.12 | 28.50 | 29.09 | 28.74 |
| 05/2004 | 26.16 | 24.87 | 23.74 | 23.69 | 24.67 | 25.80 | 27.09 | 28.14 | 29.47 | 29.78 | 28.76 | 27.36 | 25.94 |
| 05/2000 | 24.97 | 24.41 | 23.71 | 22.85 | 23.62 | 25.30 | 26.92 | 27.23 | 28.31 | 28.34 | 28.04 | 26.94 | 25.56 |
| 02/2002 | 28.20 | 28.50 | 27.19 | 26.30 | 24.97 | 23.93 | 23.51 | 24.72 | 25.71 | 27.56 | 28.44 | 29.76 | 29.44 |
| 02/2002 | 28.20 | 28.50 | 27.19 | 26.30 | 24.97 | 23.93 | 23.51 | 24.72 | 25.71 | 27.56 | 28.44 | 29.76 | 29.44 |
| 05/2000 | 25.17 | 24.55 | 23.89 | 23.17 | 23.97 | 25.52 | 27.07 | 27.41 | 28.46 | 28.56 | 28.18 | 27.04 | 25.76 |
| 05/2007 | 25.63 | 24.26 | 23.17 | 23.14 | 24.17 | 24.90 | 26.35 | 27.07 | 28.73 | 28.44 | 28.10 | 26.57 | 25.88 |
| 09/2006 | 23.99 | 25.95 | 27.35 | 28.72 | 28.87 | 28.95 | 28.31 | 27.19 | 25.52 | 24.14 | 23.06 | 22.93 | 23.90 |
| 04/2018 | 27.33 | 25.72 | 24.27 | 23.86 | 23.89 | 24.51 | 26.28 | 27.10 | 28.29 | 28.58 | 28.87 | 28.26 | 27.09 |
| 06/2020 | 23.71 | 22.40 | 22.86 | 23.77 | 25.50 | 26.76 | 27.91 | 29.19 | 29.82 | 28.44 | 27.59 | 25.89 | 24.22 |
| 05/2001 | 25.04 | 24.45 | 23.73 | 22.85 | 23.59 | 25.27 | 26.84 | 27.19 | 28.24 | 28.26 | 27.99 | 26.92 | 25.61 |
| 03/2003 | 28.50 | 27.42 | 25.76 | 24.75 | 23.56 | 23.58 | 24.71 | 25.54 | 26.73 | 28.12 | 28.50 | 29.09 | 28.74 |
| 05/2004 | 26.16 | 24.87 | 23.74 | 23.69 | 24.67 | 25.80 | 27.09 | 28.14 | 29.47 | 29.78 | 28.76 | 27.36 | 25.94 |
| 05/2005 | 25.94 | 24.29 | 23.36 | 23.31 | 23.74 | 25.61 | 27.04 | 28.16 | 28.57 | 29.17 | 28.22 | 27.38 | 25.75 |
| 08/1992 | 22.95 | 23.72 | 25.64 | 26.51 | 27.61 | 27.86 | 28.26 | 28.20 | 26.86 | 25.68 | 23.81 | 23.24 | 23.45 |
| 03/1997 | 28.05 | 27.54 | 26.07 | 24.55 | 23.97 | 23.81 | 24.28 | 25.37 | 27.07 | 28.33 | 27.96 | 27.92 | 26.96 |
| 05/1998 | 25.14 | 24.08 | 23.08 | 23.55 | 24.19 | 25.13 | 26.51 | 28.54 | 27.95 | 29.27 | 28.51 | 27.49 | 26.10 |
| 02/2002 | 28.13 | 28.45 | 27.12 | 26.32 | 24.92 | 23.74 | 23.32 | 24.42 | 25.53 | 27.39 | 28.18 | 29.57 | 29.36 |
| 03/2003 | 28.50 | 27.42 | 25.76 | 24.75 | 23.56 | 23.58 | 24.71 | 25.54 | 26.73 | 28.12 | 28.50 | 29.09 | 28.74 |
| 04/2004 | 27.78 | 26.16 | 24.87 | 23.74 | 23.69 | 24.67 | 25.80 | 27.09 | 28.14 | 29.47 | 29.78 | 28.76 | 27.36 |
| 04/2005 | 27.36 | 25.94 | 24.29 | 23.36 | 23.31 | 23.74 | 25.61 | 27.04 | 28.16 | 28.57 | 29.17 | 28.22 | 27.38 |
| 05/2013 | 25.72 | 23.53 | 23.50 | 22.99 | 24.04 | 25.11 | 26.56 | 27.79 | 28.42 | 29.17 | 28.10 | 26.97 | 25.74 |
| 05/2015 | 25.67 | 24.27 | 23.06 | 23.05 | 23.91 | 24.95 | 26.97 | 28.31 | 28.94 | 28.77 | 28.70 | 27.82 | 26.11 |
| 06/2019 | 23.91 | 23.05 | 23.37 | 24.14 | 25.67 | 27.33 | 27.82 | 27.79 | 28.45 | 28.39 | 27.65 | 25.55 | 23.71 |
| 02/2002 | 28.12 | 28.43 | 27.09 | 26.32 | 24.93 | 23.72 | 23.34 | 24.52 | 25.61 | 27.50 | 28.33 | 29.66 | 29.40 |
| 03/2003 | 28.53 | 27.48 | 25.76 | 24.71 | 23.50 | 23.58 | 24.76 | 25.58 | 26.81 | 28.21 | 28.63 | 29.23 | 28.83 |
| 04/2014 | 27.00 | 25.74 | 24.40 | 23.48 | 23.50 | 24.54 | 25.80 | 27.34 | 27.59 | 28.56 | 28.03 | 27.59 | 27.24 |
| 04/2018 | 27.36 | 25.60 | 23.90 | 23.71 | 23.85 | 24.66 | 26.43 | 27.22 | 28.45 | 28.58 | 28.93 | 28.19 | 27.15 |
| 05/2014 | 25.74 | 24.43 | 23.52 | 23.46 | 24.46 | 25.69 | 27.22 | 27.48 | 28.47 | 27.98 | 27.58 | 27.25 | 25.67 |
| 05/2016 | 26.11 | 24.53 | 23.83 | 23.88 | 24.43 | 24.93 | 27.09 | 28.32 | 28.48 | 29.61 | 28.86 | 27.55 | 26.61 |
| 04/2018 | 27.33 | 25.72 | 24.27 | 23.86 | 23.89 | 24.51 | 26.28 | 27.10 | 28.29 | 28.58 | 28.87 | 28.26 | 27.09 |

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|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 02/2002 | 28.12 | 28.43 | 27.09 | 26.32 | 24.93 | 23.72 | 23.34 | 24.52 | 25.61 | 27.50 | 28.33 | 29.66 | 29.40 |
| 03/2022 | 28.53 | 27.48 | 25.76 | 24.71 | 23.50 | 23.58 | 24.76 | 25.58 | 26.81 | 28.21 | 28.63 | 29.23 | 28.83 |
| 07/2006 | 23.32 | 23.31 | 24.07 | 26.06 | 27.48 | 28.81 | 28.93 | 29.01 | 28.34 | 27.20 | 25.47 | 24.07 | 23.00 |
| 05/2008 | 25.77 | 24.89 | 23.49 | 23.32 | 23.76 | 25.59 | 26.95 | 28.10 | 29.04 | 28.73 | 27.36 | 26.27 | 24.71 |
| 05/2016 | 26.13 | 24.50 | 23.65 | 23.67 | 24.50 | 25.13 | 27.18 | 28.41 | 28.53 | 29.65 | 28.99 | 27.66 | 26.59 |
| 08/2001 | 23.57 | 24.60 | 25.76 | 27.40 | 27.45 | 27.74 | 28.12 | 28.43 | 27.09 | 26.32 | 24.93 | 23.72 | 23.34 |
| 05/2005 | 25.94 | 24.26 | 23.32 | 23.32 | 23.81 | 25.70 | 27.15 | 28.23 | 28.63 | 29.24 | 28.25 | 27.41 | 25.66 |
| 12/2005 | 28.23 | 28.63 | 29.24 | 28.25 | 27.41 | 25.66 | 24.51 | 23.32 | 23.31 | 24.07 | 26.06 | 27.48 | 28.81 |
| 02/2002 | 28.12 | 28.43 | 27.09 | 26.32 | 24.93 | 23.72 | 23.34 | 24.52 | 25.61 | 27.50 | 28.33 | 29.66 | 29.40 |
| 03/2003 | 28.53 | 27.48 | 25.76 | 24.71 | 23.50 | 23.58 | 24.76 | 25.58 | 26.81 | 28.21 | 28.63 | 29.23 | 28.83 |
| 03/1997 | 28.07 | 27.54 | 26.05 | 24.49 | 23.97 | 23.81 | 24.36 | 25.44 | 27.16 | 28.37 | 28.05 | 27.99 | 27.03 |
| 05/2000 | 24.97 | 24.41 | 23.71 | 22.85 | 23.62 | 25.30 | 26.92 | 27.23 | 28.31 | 28.34 | 28.04 | 26.94 | 25.56 |
| 05/2001 | 25.56 | 23.77 | 22.69 | 23.57 | 24.60 | 25.76 | 27.40 | 27.45 | 27.74 | 28.12 | 28.43 | 27.09 | 26.32 |
| 02/2022 | 28.12 | 28.43 | 27.09 | 26.32 | 24.93 | 23.72 | 23.34 | 24.52 | 25.61 | 27.50 | 28.33 | 29.66 | 29.40 |
| 03/2003 | 28.53 | 27.48 | 25.76 | 24.71 | 23.50 | 23.58 | 24.76 | 25.58 | 26.81 | 28.21 | 28.63 | 29.23 | 28.83 |
| 06/2013 | 23.40 | 23.39 | 22.97 | 24.09 | 25.22 | 26.64 | 27.90 | 28.53 | 29.26 | 28.21 | 27.00 | 25.74 | 24.40 |
| 05/2015 | 25.62 | 24.20 | 23.03 | 23.05 | 23.99 | 25.07 | 27.11 | 28.46 | 29.14 | 29.00 | 28.89 | 27.97 | 26.13 |
| 05/2017 | 26.59 | 25.44 | 24.13 | 23.44 | 25.01 | 26.31 | 27.53 | 28.11 | 29.61 | 29.43 | 29.40 | 27.36 | 25.60 |
| 03/2019 | 28.19 | 27.15 | 25.33 | 23.65 | 22.92 | 23.27 | 24.32 | 25.87 | 27.53 | 27.94 | 27.92 | 28.32 | 28.33 |
| 02/2002 | 28.12 | 28.43 | 27.09 | 26.32 | 24.93 | 23.72 | 23.34 | 24.52 | 25.61 | 27.50 | 28.33 | 29.66 | 29.40 |
| 03/2003 | 28.53 | 27.48 | 25.76 | 24.71 | 23.50 | 23.58 | 24.76 | 25.58 | 26.81 | 28.21 | 28.63 | 29.23 | 28.83 |
| 02/2002 | 28.20 | 28.50 | 27.19 | 26.30 | 24.97 | 23.93 | 23.51 | 24.72 | 25.71 | 27.56 | 28.44 | 29.76 | 29.44 |
| 11/2023 | 27.56 | 28.44 | 29.76 | 29.44 | 28.61 | 27.50 | 25.82 | 25.00 | 23.74 | 23.76 | 24.88 | 25.65 | 26.84 |
| 04/2014 | 27.13 | 25.85 | 24.63 | 23.76 | 23.75 | 24.77 | 25.86 | 27.33 | 27.59 | 28.52 | 28.10 | 27.65 | 27.29 |
| 04/2018 | 27.59 | 25.95 | 24.37 | 24.24 | 24.33 | 24.74 | 26.37 | 27.19 | 28.64 | 28.65 | 28.90 | 28.24 | 27.10 |
| 06/2020 | 23.96 | 22.57 | 23.19 | 24.13 | 25.47 | 26.74 | 28.05 | 29.55 | 30.09 | 29.02 | 27.82 | 25.99 | 24.18 |
| 03/2003 | 28.50 | 27.42 | 25.76 | 24.75 | 23.56 | 23.58 | 24.71 | 25.54 | 26.73 | 28.12 | 28.50 | 29.09 | 28.74 |
| 09/2006 | 23.99 | 25.95 | 27.35 | 28.72 | 28.87 | 28.95 | 28.31 | 27.19 | 25.52 | 24.14 | 23.06 | 22.93 | 23.90 |
| 02/2002 | 28.20 | 28.50 | 27.19 | 26.30 | 24.97 | 23.93 | 23.51 | 24.72 | 25.71 | 27.56 | 28.44 | 29.76 | 29.44 |
| 03/2003 | 28.61 | 27.50 | 25.82 | 25.00 | 23.74 | 23.76 | 24.88 | 25.65 | 26.84 | 28.21 | 28.80 | 29.30 | 28.91 |
| 04/2018 | 27.59 | 25.95 | 24.37 | 24.24 | 24.33 | 24.74 | 26.37 | 27.19 | 28.64 | 28.65 | 28.90 | 28.24 | 27.10 |
| 06/2020 | 23.96 | 22.57 | 23.19 | 24.13 | 25.47 | 26.74 | 28.05 | 29.55 | 30.09 | 29.02 | 27.82 | 25.99 | 24.18 |
| 02/2002 | 28.12 | 28.43 | 27.09 | 26.32 | 24.93 | 23.72 | 23.34 | 24.52 | 25.61 | 27.50 | 28.33 | 29.66 | 29.40 |
| 03/2003 | 28.53 | 27.48 | 25.76 | 24.71 | 23.50 | 23.58 | 24.76 | 25.58 | 26.81 | 28.21 | 28.63 | 29.23 | 28.83 |
| 05/1998 | 25.16 | 24.04 | 23.07 | 23.61 | 24.32 | 25.27 | 26.60 | 28.56 | 27.95 | 29.32 | 28.55 | 27.49 | 26.01 |
| 12/1993 | 27.67 | 27.38 | 27.46 | 27.69 | 26.34 | 24.95 | 24.17 | 23.41 | 23.87 | 24.28 | 25.59 | 27.37 | 27.77 |
| 03/1997 | 28.19 | 27.67 | 26.12 | 24.54 | 24.11 | 24.09 | 24.60 | 25.67 | 27.35 | 28.48 | 28.14 | 28.12 | 27.06 |
| 04/1999 | 27.60 | 26.15 | 25.20 | 24.56 | 24.61 | 25.45 | 25.96 | 27.15 | 27.81 | 28.34 | 28.29 | 28.25 | 27.04 |
| 04/2000 | 27.04 | 25.17 | 24.55 | 23.89 | 23.17 | 23.97 | 25.52 | 27.07 | 27.41 | 28.46 | 28.56 | 28.18 | 27.04 |
| 05/2001 | 25.76 | 24.04 | 22.94 | 23.84 | 24.75 | 25.85 | 27.55 | 27.60 | 27.89 | 28.20 | 28.50 | 27.19 | 26.30 |
| 02/2023 | 28.20 | 28.50 | 27.19 | 26.30 | 24.97 | 23.93 | 23.51 | 24.72 | 25.71 | 27.56 | 28.44 | 29.76 | 29.44 |
| 03/2003 | 28.61 | 27.50 | 25.82 | 25.00 | 23.74 | 23.76 | 24.88 | 25.65 | 26.84 | 28.21 | 28.80 | 29.30 | 28.91 |
| 04/2004 | 27.80 | 26.29 | 25.05 | 23.89 | 23.81 | 24.90 | 26.04 | 27.27 | 28.24 | 29.57 | 29.85 | 28.92 | 27.45 |
| 06/2013 | 23.75 | 23.80 | 23.39 | 24.41 | 25.42 | 26.75 | 27.93 | 28.56 | 29.29 | 28.34 | 27.13 | 25.85 | 24.63 |
| 05/2015 | 25.74 | 24.43 | 23.26 | 23.38 | 24.24 | 25.09 | 27.31 | 28.43 | 29.25 | 28.97 | 28.77 | 27.79 | 26.19 |
| 05/2016 | 26.19 | 24.73 | 23.79 | 24.03 | 24.58 | 25.22 | 27.15 | 28.29 | 28.55 | 29.90 | 29.30 | 27.88 | 26.62 |
| 04/2020 | 27.88 | 26.62 | 25.86 | 24.69 | 24.14 | 25.53 | 26.49 | 27.64 | 28.12 | 29.59 | 29.44 | 29.43 | 27.59 |
| 02/2022 | 29.44 | 29.43 | 27.59 | 25.95 | 24.37 | 24.24 | 24.33 | 24.74 | 26.37 | 27.19 | 28.64 | 28.65 | 28.90 |
| 03/2023 | 28.50 | 27.42 | 25.76 | 24.75 | 23.56 | 23.58 | 24.71 | 25.54 | 26.73 | 28.12 | 28.50 | 29.09 | 28.74 |
| 05/2004 | 26.16 | 24.87 | 23.74 | 23.69 | 24.67 | 25.80 | 27.09 | 28.14 | 29.47 | 29.78 | 28.76 | 27.36 | 25.94 |
| 05/2015 | 25.67 | 24.27 | 23.06 | 23.05 | 23.91 | 24.95 | 26.97 | 28.31 | 28.94 | 28.77 | 28.70 | 27.82 | 26.11 |
| 03/2003 | 28.53 | 27.48 | 25.76 | 24.71 | 23.50 | 23.58 | 24.76 | 25.58 | 26.81 | 28.21 | 28.63 | 29.23 | 28.83 |

| | | | | | | | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 03/2005 | 28.53 | 27.28 | 25.93 | 24.40 | 23.39 | 23.21 | 23.58 | 25.36 | 26.77 | 27.92 | 28.29 | 28.88 | 28.05 |
| 03/2007 | 28.09 | 27.10 | 25.60 | 24.19 | 23.19 | 22.89 | 23.67 | 24.33 | 25.76 | 26.52 | 28.09 | 27.78 | 27.77 |
| 04/2023 | 26.86 | 25.71 | 23.61 | 23.50 | 22.85 | 23.74 | 24.70 | 26.19 | 27.37 | 28.08 | 28.83 | 27.67 | 26.81 |
| 04/2009 | 26.21 | 24.82 | 24.06 | 23.19 | 23.15 | 23.63 | 25.34 | 26.80 | 28.52 | 28.81 | 28.42 | 27.94 | 27.11 |
| 04/1994 | 26.08 | 24.94 | 24.24 | 23.39 | 23.75 | 23.90 | 25.11 | 26.90 | 27.29 | 27.46 | 28.12 | 27.82 | 26.41 |
| 03/1999 | 28.36 | 27.44 | 26.31 | 25.27 | 24.07 | 24.28 | 24.83 | 25.48 | 26.84 | 27.45 | 28.02 | 28.12 | 28.09 |
| 03/2000 | 28.09 | 26.86 | 25.14 | 24.54 | 23.65 | 22.72 | 23.40 | 25.01 | 26.39 | 26.79 | 27.84 | 27.80 | 27.75 |
| 02/2004 | 28.71 | 28.37 | 27.67 | 26.04 | 24.80 | 23.71 | 23.60 | 24.43 | 25.52 | 26.67 | 27.78 | 29.12 | 29.62 |

4. Data Salinitas di Great Barrier Reef, Australia

| Bulan/ Tahun | Salinitas (kg/kg) | | | | | | | | | | | | |
|-----------------|-------------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | SALT 12 | SALT 11 | SALT 10 | SALT 9 | SALT 8 | SALT 7 | SALT 6 | SALT 5 | SALT 4 | SALT 3 | SALT 2 | SALT 1 | SALT 0 |
| 10/1994 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0353 | 0.0353 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0356 |
| 01/1998 | 0.0351 | 0.0350 | 0.0350 | 0.0350 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0353 |
| 02/1994 | 0.0352 | 0.0353 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0353 |
| 01/2000 | 0.0353 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0353 |
| 01/2013 | 0.0351 | 0.0351 | 0.0350 | 0.0350 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 |
| 01/2000 | 0.0353 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0353 |
| 09/1994 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0353 | 0.0353 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0356 |
| 01/1998 | 0.0351 | 0.0350 | 0.0350 | 0.0350 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0353 |
| 01/2004 | 0.0353 | 0.0352 | 0.0350 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0354 |
| 03/2015 | 0.0351 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0352 | 0.0350 |
| 01/2021 | 0.0354 | 0.0354 | 0.0352 | 0.0351 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 |
| 06/1993 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0354 | 0.0352 | 0.0353 | 0.0355 | 0.0355 | 0.0356 |
| 04/1995 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0355 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 01/1996 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0354 | 0.0354 | 0.0353 |
| 01/1998 | 0.0351 | 0.0350 | 0.0350 | 0.0350 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0353 |
| 01/1999 | 0.0353 | 0.0352 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 | 0.0352 | 0.0353 |
| 01/2013 | 0.0351 | 0.0351 | 0.0350 | 0.0350 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 |
| 03/2015 | 0.0351 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0352 | 0.0350 |
| 01/1996 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0354 | 0.0354 | 0.0353 |
| 01/1998 | 0.0351 | 0.0350 | 0.0350 | 0.0350 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0353 |
| 01/1999 | 0.0353 | 0.0352 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 | 0.0352 | 0.0353 |
| 01/2013 | 0.0351 | 0.0351 | 0.0350 | 0.0350 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 |
| 03/2015 | 0.0351 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0352 | 0.0350 |
| 01/1996 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0354 | 0.0354 | 0.0353 |
| 01/1997 | 0.0353 | 0.0353 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0351 |
| 01/1998 | 0.0351 | 0.0350 | 0.0350 | 0.0350 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0353 |
| 01/1999 | 0.0353 | 0.0352 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 | 0.0352 | 0.0353 |
| 01/2000 | 0.0353 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0353 |
| 02/2001 | 0.0353 | 0.0351 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0351 | 0.0350 |
| 03/2019 | 0.0351 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0352 | 0.0350 |
| 06/1993 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0354 | 0.0352 | 0.0353 | 0.0355 | 0.0355 | 0.0356 |
| 01/2000 | 0.0353 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0353 |
| 03/2014 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0352 | 0.0351 |
| 06/1993 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0354 | 0.0352 | 0.0353 | 0.0355 | 0.0355 | 0.0356 |
| 10/1994 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0353 | 0.0353 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0356 |
| 01/2010 | 0.0354 | 0.0352 | 0.0350 | 0.0349 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 |
| 09/2013 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0356 |
| 10/2015 | 0.0355 | 0.0356 | 0.0356 | 0.0354 | 0.0353 | 0.0352 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 |
| 01/2020 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 |
| 12/1995 | 0.0354 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 |
| 11/1996 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0356 | 0.0356 |
| 09/2018 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 |
| 11/2008 | 0.0352 | 0.0351 | 0.0353 | 0.0353 | 0.0351 | 0.0351 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |
| 11/2018 | 0.0352 | 0.0351 | 0.0353 | 0.0353 | 0.0351 | 0.0351 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |
| 10/1995 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0356 | 0.0355 |
| 10/1998 | 0.0354 | 0.0354 | 0.0352 | 0.0351 | 0.0350 | 0.0350 | 0.0351 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 |
| 09/2001 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0351 | 0.0349 | 0.0349 | 0.0351 | 0.0352 | 0.0353 | 0.0353 |
| 08/2004 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0352 | 0.0351 | 0.0350 | 0.0350 | 0.0351 | 0.0352 | 0.0352 | 0.0353 |
| 10/2006 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0354 | 0.0351 | 0.0351 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0354 |
| 11/2009 | 0.0352 | 0.0351 | 0.0352 | 0.0352 | 0.0348 | 0.0348 | 0.0351 | 0.0353 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0351 |
| 11/2010 | 0.0351 | 0.0350 | 0.0350 | 0.0352 | 0.0349 | 0.0348 | 0.0349 | 0.0350 | 0.0351 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 10/2012 | 0.0352 | 0.0352 | 0.0352 | 0.0352 | 0.0350 | 0.0350 | 0.0348 | 0.0350 | 0.0352 | 0.0354 | 0.0355 | 0.0355 | 0.0353 |
| 10/1994 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0352 | 0.0353 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0355 | 0.0356 |
| 10/1997 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0352 | 0.0352 | 0.0353 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0354 |
| 01/2001 | 0.0353 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0353 |

| | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 10/1997 | 0.0355 | 0.0354 | 0.0354 | 0.0353 | 0.0352 | 0.0352 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0354 |
| 11/2008 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0351 | 0.0351 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0352 |
| 11/2009 | 0.0352 | 0.0351 | 0.0352 | 0.0352 | 0.0348 | 0.0348 | 0.0351 | 0.0353 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0351 |
| 12/2014 | 0.0353 | 0.0353 | 0.0353 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 |
| 10/1993 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0352 | 0.0351 | 0.0351 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 |
| 12/1993 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 |
| 05/1997 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 05/2001 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0354 | 0.0352 | 0.0351 | 0.0350 |
| 11/2022 | 0.0354 | 0.0354 | 0.0353 | 0.0351 | 0.0351 | 0.0348 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 |
| 02/2004 | 0.0353 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0353 | 0.0352 |
| 03/2005 | 0.0351 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0351 |
| 03/2007 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |
| 05/2018 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0353 | 0.0353 | 0.0355 | 0.0354 | 0.0353 | 0.0351 | 0.0353 |
| 09/2020 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0350 | 0.0350 | 0.0350 | 0.0349 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0355 |
| 12/2002 | 0.0354 | 0.0354 | 0.0352 | 0.0351 | 0.0349 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0354 |
| 03/2021 | 0.0350 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0353 | 0.0351 |
| 05/1997 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 04/1998 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0351 | 0.0350 | 0.0351 |
| 06/1999 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0352 | 0.0350 | 0.0348 | 0.0349 | 0.0350 | 0.0352 |
| 03/2000 | 0.0348 | 0.0349 | 0.0350 | 0.0352 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 |
| 12/2002 | 0.0354 | 0.0354 | 0.0352 | 0.0351 | 0.0349 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0354 |
| 11/2003 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0356 |
| 05/2005 | 0.0351 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0351 |
| 05/2015 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0354 | 0.0355 | 0.0354 | 0.0354 | 0.0353 | 0.0353 |
| 02/2021 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0357 | 0.0356 | 0.0355 | 0.0354 | 0.0354 |
| 04/1998 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0353 | 0.0352 | 0.0351 | 0.0352 |
| 05/2001 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0351 | 0.0351 | 0.0350 |
| 03/1993 | 0.0348 | 0.0350 | 0.0351 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0353 |
| 05/1999 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0351 | 0.0351 | 0.0349 | 0.0350 | 0.0351 |
| 03/1993 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0354 |
| 06/1999 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0352 | 0.0351 | 0.0350 | 0.0351 | 0.0351 | 0.0352 |
| 05/1999 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0352 | 0.0351 | 0.0350 | 0.0351 | 0.0351 |
| 03/1997 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0353 | 0.0353 | 0.0353 |
| 03/2000 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 |
| 12/2002 | 0.0354 | 0.0353 | 0.0351 | 0.0351 | 0.0348 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 05/2005 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0351 | 0.0350 | 0.0351 |
| 03/2007 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |
| 03/2022 | 0.0350 | 0.0349 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0353 | 0.0351 |
| 03/2007 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0354 | 0.0355 | 0.0353 | 0.0352 |
| 03/2000 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 |
| 11/2002 | 0.0354 | 0.0354 | 0.0353 | 0.0351 | 0.0351 | 0.0348 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 |
| 05/2005 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0351 | 0.0350 | 0.0351 |
| 03/2007 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |
| 11/2001 | 0.0356 | 0.0356 | 0.0354 | 0.0352 | 0.0351 | 0.0349 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 |
| 05/2005 | 0.0351 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0351 |
| 02/2020 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 |
| 03/1996 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0354 | 0.0353 | 0.0354 | 0.0354 |
| 02/1999 | 0.0350 | 0.0349 | 0.0351 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0351 | 0.0351 |
| 08/2001 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0351 | 0.0351 | 0.0352 | 0.0353 | 0.0353 |
| 12/2016 | 0.0354 | 0.0353 | 0.0351 | 0.0350 | 0.0352 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0354 |
| 05/1995 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0354 | 0.0354 |
| 02/1998 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0351 | 0.0350 |
| 06/2000 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0352 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0352 | 0.0352 | 0.0353 |
| 11/2001 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0351 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0353 |
| 04/2015 | 0.0347 | 0.0349 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 | 0.0353 | 0.0352 |

| | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 12/2022 | 0.0353 | 0.0353 | 0.0352 | 0.0353 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 |
| 05/2000 | 0.0352 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0352 | 0.0352 |
| 12/2016 | 0.0354 | 0.0353 | 0.0351 | 0.0350 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0354 |
| 02/2018 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 |
| 02/1997 | 0.0355 | 0.0354 | 0.0351 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0353 | 0.0352 |
| 02/1998 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0353 | 0.0351 | 0.0350 |
| 02/1999 | 0.0350 | 0.0349 | 0.0351 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0351 | 0.0351 |
| 02/2000 | 0.0351 | 0.0350 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0353 |
| 09/2007 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0353 | 0.0350 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 |
| 04/2022 | 0.0351 | 0.0351 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0352 | 0.0352 | 0.0353 | 0.0352 |
| 02/2010 | 0.0353 | 0.0349 | 0.0350 | 0.0352 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0352 | 0.0350 |
| 11/2010 | 0.0354 | 0.0353 | 0.0352 | 0.0350 | 0.0349 | 0.0349 | 0.0350 | 0.0352 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 |
| 01/2012 | 0.0352 | 0.0351 | 0.0350 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0352 |
| 12/2022 | 0.0353 | 0.0353 | 0.0352 | 0.0351 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 |
| 08/2001 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0352 | 0.0352 | 0.0352 | 0.0354 | 0.0354 | 0.0355 |
| 11/2010 | 0.0354 | 0.0353 | 0.0352 | 0.0350 | 0.0349 | 0.0349 | 0.0350 | 0.0352 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 |
| 02/2017 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0356 | 0.0354 |
| 07/2006 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0356 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0354 |
| 02/2010 | 0.0353 | 0.0349 | 0.0350 | 0.0352 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0352 | 0.0350 |
| 11/2011 | 0.0354 | 0.0354 | 0.0352 | 0.0351 | 0.0350 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0353 |
| 12/2013 | 0.0353 | 0.0353 | 0.0352 | 0.0351 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 |
| 05/2006 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0356 | 0.0355 | 0.0355 | 0.0355 | 0.0356 |
| 06/2018 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0354 | 0.0351 | 0.0353 | 0.0353 | 0.0354 |
| 12/2013 | 0.0353 | 0.0353 | 0.0352 | 0.0351 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 |
| 03/2016 | 0.0352 | 0.0352 | 0.0352 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0353 | 0.0353 |
| 03/2018 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 |
| 06/2008 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0354 | 0.0351 | 0.0353 | 0.0353 | 0.0354 |
| 01/2010 | 0.0353 | 0.0353 | 0.0349 | 0.0350 | 0.0352 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0352 |
| 01/2012 | 0.0352 | 0.0351 | 0.0350 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0352 |
| 12/2013 | 0.0353 | 0.0353 | 0.0352 | 0.0351 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 |
| 03/2016 | 0.0352 | 0.0352 | 0.0352 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0353 | 0.0353 |
| 03/2018 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 |
| 09/2023 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0354 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 |
| 02/1995 | 0.0352 | 0.0352 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 |
| 10/2003 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0356 |
| 09/2019 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0354 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 |
| 03/2016 | 0.0352 | 0.0352 | 0.0352 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0353 | 0.0353 |
| 10/2017 | 0.0356 | 0.0356 | 0.0355 | 0.0356 | 0.0354 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 |
| 09/2019 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0354 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 |
| 04/1994 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0355 | 0.0355 | 0.0355 | 0.0355 |
| 01/2006 | 0.0356 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 |
| 01/2018 | 0.0355 | 0.0354 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0355 | 0.0355 |
| 11/1995 | 0.0356 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 |
| 11/1995 | 0.0356 | 0.0356 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 |
| 11/2004 | 0.0356 | 0.0355 | 0.0356 | 0.0355 | 0.0354 | 0.0353 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0356 |
| 10/1992 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 |
| 11/1994 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0356 |
| 11/1996 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 |
| 12/1997 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 |
| 12/1998 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 |
| 11/1999 | 0.0356 | 0.0355 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 |
| 09/2000 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 |
| 08/2001 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0356 |
| 09/2002 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0354 |
| 10/2003 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 |

| | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 01/2006 | 0.0356 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 |
| 01/2010 | 0.0354 | 0.0354 | 0.0352 | 0.0353 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0354 | 0.0354 | 0.0355 |
| 01/2018 | 0.0355 | 0.0354 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0355 | 0.0354 |
| 01/2020 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0353 |
| 04/1999 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0351 | 0.0351 | 0.0349 | 0.0350 |
| 08/2001 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0354 | 0.0352 | 0.0351 | 0.0350 | 0.0352 | 0.0353 | 0.0353 |
| 03/2003 | 0.0351 | 0.0348 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 |
| 05/2004 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0350 | 0.0351 |
| 05/2000 | 0.0352 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0352 | 0.0352 |
| 02/2002 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0351 |
| 02/2002 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0351 |
| 05/2000 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 | 0.0352 |
| 05/2007 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0351 | 0.0351 |
| 09/2006 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0354 |
| 04/2018 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |
| 06/2020 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0350 | 0.0351 | 0.0351 | 0.0350 | 0.0352 | 0.0353 |
| 05/2001 | 0.0353 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0354 | 0.0353 | 0.0353 | 0.0351 | 0.0352 |
| 03/2003 | 0.0351 | 0.0349 | 0.0349 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 05/2004 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0352 | 0.0352 | 0.0351 | 0.0350 | 0.0351 |
| 05/2005 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0351 | 0.0350 | 0.0351 |
| 08/1992 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0353 | 0.0351 | 0.0349 | 0.0350 | 0.0352 | 0.0353 | 0.0354 | 0.0355 |
| 03/1997 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0353 | 0.0353 |
| 05/1998 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0352 | 0.0351 | 0.0350 | 0.0352 | 0.0353 |
| 02/2002 | 0.0351 | 0.0349 | 0.0350 | 0.0351 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0351 |
| 03/2003 | 0.0351 | 0.0348 | 0.0349 | 0.0351 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 |
| 04/2004 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0352 | 0.0352 | 0.0350 | 0.0350 |
| 04/2005 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0351 | 0.0350 |
| 05/2013 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0356 | 0.0355 | 0.0355 | 0.0352 | 0.0352 | 0.0351 | 0.0350 | 0.0352 |
| 05/2015 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0354 | 0.0353 | 0.0353 |
| 06/2019 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0352 | 0.0353 |
| 02/2002 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0351 |
| 03/2003 | 0.0350 | 0.0348 | 0.0349 | 0.0350 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 |
| 04/2014 | 0.0350 | 0.0351 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 04/2018 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0354 | 0.0354 | 0.0353 | 0.0351 |
| 05/2014 | 0.0351 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0356 | 0.0355 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 05/2016 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0352 | 0.0352 | 0.0353 | 0.0354 |
| 04/2018 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |
| 02/2002 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |
| 03/2022 | 0.0351 | 0.0348 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0351 |
| 07/2006 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0356 | 0.0355 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 |
| 05/2008 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0354 | 0.0353 | 0.0350 | 0.0351 | 0.0352 |
| 05/2016 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0355 | 0.0354 | 0.0351 | 0.0350 | 0.0351 | 0.0353 |
| 08/2001 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 |
| 05/2005 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0352 | 0.0352 | 0.0352 |
| 12/2005 | 0.0355 | 0.0355 | 0.0353 | 0.0352 | 0.0352 | 0.0352 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0355 |
| 02/2002 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |
| 03/2003 | 0.0351 | 0.0348 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0351 |
| 03/1997 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0353 |
| 05/2000 | 0.0351 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 | 0.0352 |
| 05/2001 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0353 | 0.0352 | 0.0351 |
| 02/2022 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |
| 03/2003 | 0.0351 | 0.0348 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0351 |
| 06/2013 | 0.0351 | 0.0353 | 0.0354 | 0.0355 | 0.0354 | 0.0353 | 0.0352 | 0.0352 | 0.0351 | 0.0349 | 0.0349 | 0.0351 | 0.0353 |
| 05/2015 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 05/2017 | 0.0353 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0354 | 0.0353 | 0.0352 | 0.0351 | 0.0352 |

| | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 03/2019 | 0.0353 | 0.0351 | 0.0352 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0355 | 0.0353 |
| 02/2002 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |
| 03/2003 | 0.0351 | 0.0348 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0351 |
| 02/2002 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0351 |
| 11/2023 | 0.0354 | 0.0354 | 0.0353 | 0.0351 | 0.0350 | 0.0348 | 0.0349 | 0.0350 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 04/2014 | 0.0350 | 0.0351 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 04/2018 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0354 | 0.0354 | 0.0353 | 0.0351 |
| 06/2020 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0349 | 0.0350 | 0.0349 | 0.0348 | 0.0350 | 0.0352 |
| 03/2003 | 0.0351 | 0.0349 | 0.0349 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 09/2006 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0352 | 0.0353 |
| 02/2002 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0351 |
| 03/2003 | 0.0350 | 0.0348 | 0.0349 | 0.0350 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 |
| 04/2018 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0354 | 0.0354 | 0.0353 | 0.0351 |
| 06/2020 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0349 | 0.0350 | 0.0349 | 0.0348 | 0.0350 | 0.0352 |
| 02/2002 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |
| 03/2003 | 0.0351 | 0.0348 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0351 |
| 05/1998 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0352 | 0.0351 | 0.0349 | 0.0351 | 0.0353 |
| 12/1993 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 |
| 03/1997 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0355 | 0.0354 | 0.0354 |
| 04/1999 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0354 | 0.0352 | 0.0351 | 0.0349 | 0.0350 |
| 04/2000 | 0.0350 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 |
| 05/2001 | 0.0352 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0353 | 0.0352 | 0.0351 |
| 02/2023 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0351 |
| 03/2003 | 0.0350 | 0.0348 | 0.0349 | 0.0350 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 |
| 04/2004 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0353 | 0.0352 | 0.0350 | 0.0350 |
| 06/2013 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0353 | 0.0352 | 0.0352 | 0.0351 | 0.0350 | 0.0350 | 0.0351 | 0.0353 |
| 05/2015 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 |
| 05/2016 | 0.0353 | 0.0353 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0351 | 0.0350 | 0.0351 | 0.0353 |
| 04/2020 | 0.0351 | 0.0353 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0355 | 0.0354 | 0.0353 | 0.0352 | 0.0351 |
| 02/2022 | 0.0353 | 0.0352 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0354 | 0.0354 |
| 03/2023 | 0.0351 | 0.0348 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0352 |
| 05/2004 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0355 | 0.0356 | 0.0355 | 0.0353 | 0.0352 | 0.0351 | 0.0350 | 0.0351 |
| 05/2015 | 0.0351 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0353 | 0.0353 |
| 03/2003 | 0.0351 | 0.0348 | 0.0349 | 0.0350 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0353 | 0.0351 |
| 03/2005 | 0.0350 | 0.0350 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0351 |
| 03/2007 | 0.0354 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0353 | 0.0352 |
| 04/2023 | 0.0350 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0355 | 0.0355 | 0.0354 | 0.0355 | 0.0353 | 0.0352 | 0.0350 | 0.0350 |
| 04/2009 | 0.0350 | 0.0350 | 0.0352 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0355 | 0.0352 | 0.0352 | 0.0348 | 0.0351 |
| 04/1994 | 0.0352 | 0.0352 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0355 | 0.0355 | 0.0355 | 0.0354 | 0.0354 | 0.0354 | 0.0355 |
| 03/1999 | 0.0354 | 0.0354 | 0.0353 | 0.0354 | 0.0355 | 0.0356 | 0.0356 | 0.0356 | 0.0356 | 0.0355 | 0.0352 | 0.0351 | 0.0351 |
| 03/2000 | 0.0351 | 0.0352 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0353 | 0.0353 | 0.0353 | 0.0354 | 0.0354 | 0.0352 | 0.0352 |
| 02/2004 | 0.0353 | 0.0351 | 0.0351 | 0.0351 | 0.0352 | 0.0353 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0354 | 0.0353 | 0.0352 |

5. Script Matlab untuk Pemodelan Pengaruh Faktor *Global Ocean* Terhadap Populasi Crown of Thorns Starfish menggunakan *Multiple Regression* metode *Stepwise*

```

%Calculate Persentase Kebenaran Model Stepwise Populasi COTS
%Tesis Aini Suci Febrianti
%Pembimbing: Prof. Dr. Halmar Halide, M.Sc.
%Lab Hidrometeorologi Dept. Geofisika FMIPA Unhas

clear
clf

kasus=xlsread('data_cots.xlsx');
[m,n]=size(kasus);

factors=kasus(:,2:40);
cots=kasus(:,1);

mdl = stepwiselm(factors,cots,'PEnter',0.05)
exitt

tetapan=5.6215e+05;
k_x4=-2.5372e+05;k_x14=-1438.9;k_x15=-18459;k_x17=-874.35;k_x32=-
1.4773e+07;
k_x417=808.28;k_x432=6.5301e+06;k_x1415=22.389;k_x1417=27.587;k_x1
532=5.0783e+05;

x4=factors(:,4);x14=factors(:,14);x15=factors(:,12);x15=factors(:,
15);x17=factors(:,17);
x32=factors(:,32);x417=x4.*x17;x432=x4.*x32;x1415=x14.*x15;x1417=x
14.*x17;x1532=x15.*x32;

cotsp=tetapan+k_x4.*x4+k_x14.*x14+k_x15.*x15+k_x17.*x17+k_x32.*x32
+k_x417.*x417+...
    k_x432.*x432+k_x1415.*x1415+k_x1417.*x1417+k_x1532.*x1532;

% hasil= [r skor RMSE eRMSE]

hasil=pearmsel(cots,cotsp)
r_all=hasil(1,1) %r=ACC
r2_all=r_all.*r_all
delta_r2_all=r_all.*sqrt(2).*hasil(1,2)
time=1:m;
plot(time,cots,'-r',time,cotsp,'-o')
axis([0 251 0 1700])
text(5,1600,'R = 0.74')
text(5,1530,'RMSE±eRMSE = 210.13±12.25 case')
text(5,1460,'Prediktor = SST 11, CUR 9, CUR 8, SALT 7, CUR 1')
title('Global Ocean Effect on Crown of Thorns Starfish
Population')
xlim([min(time), max(time)]);
xlabel('Case')
ylabel('Crown of Thorns Starfish Population')
legend('Observation','Modeled','Location','NorthEast','Orientation
','horizontal')

```

```

legend boxoff
% exitt
% clf

x4z=x4-mean(x4)./std(x4);
x14z=x14-mean(x14)./std(x14);
x15z=x15-mean(x15)./std(x15);
x17z=x17-mean(x17)./std(x17);
x32z=x32-mean(x32)./std(x32);
x417z=x417-mean(x417)./std(x417);
x432z=x432-mean(x432)./std(x432);
x1415z=x1415-mean(x1415)./std(x1415);
x1417z=x1417-mean(x1417)./std(x1417);
x1532z=x1532-mean(x1532)./std(x1532);

Y=cots;X=[x4z x14z x15z x17z x32z x417z x432z x1415z x1417z
x1532z];

[B,BINT] = regress(Y,X)
exitt

```

6. Script Matlab Persamaan Metrik ACC (*Anomaly Coefficient Anomaly*)

```

function hasil=pearmsel(data,pred);
[n,m]=size(data);
RMSE= sqrt(mean((pred-data).^2));%
korr_p1=xcorr(pred,data,'coeff');
%kor_lama=korr_p1(n+1); %
kor_lama=korr_p1(n); %
%exitt
mp=mean(pred);
md=mean(data);
kpd=sum((pred-mp).*(data-md));
kp=sqrt(sum((pred-mp).*(pred-mp)));
kd=sqrt(sum((data-md).*(data-md)));
if kpd==0
    kor_baru=0
else
    kor_baru=kpd./(kp.*kd);
end
r=kor_baru;
%hasil= [kor_lama kor_baru RMSE];
eRMSE=RMSE.*sqrt(1./(2.*n)); %equation (5).
skor=(1-r.^2)./sqrt(n-1);
hasil= [r skor RMSE eRMSE];

```