

# 推算潮位 ( 毎時・満干潮 )

地点名：四日市港

緯度：34 °58 N

経度：136 °38 E

潮位表基準面の零点：平均海面下 130.0(cm)

2018 年 1 月

| 日  | 毎時潮位 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 満潮   |       |   |       |      |       |     |    | 干潮 |      |    |       |      |       |     |    |    |    |    |
|----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|---|-------|------|-------|-----|----|----|------|----|-------|------|-------|-----|----|----|----|----|
|    | 0    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 日合計  | 日平均   | 月 | 時刻    | 潮位   | 時刻    | 潮位  | 時刻 | 潮位 | 時刻   | 潮位 | 時刻    | 潮位   | 時刻    | 潮位  | 時刻 | 潮位 | 時刻 | 潮位 |
| 1  | -1   | 37  | 89  | 142 | 186 | 212 | 214 | 193 | 158 | 120 | 91  | 76  | 80  | 103 | 138 | 175 | 203 | 213 | 201 | 166 | 115 | 58  | 9   | -22 | 2956 | 123.2 |   | 5:34  | 216  | 17:0  | 213 | *  | *  | *    | *  | 11:17 | 75   | 23:43 | -30 | *  | *  | *  | *  |
| 2  | -29  | -7  | 39  | 98  | 156 | 201 | 224 | 221 | 195 | 155 | 115 | 86  | 73  | 82  | 110 | 148 | 185 | 211 | 216 | 198 | 156 | 100 | 41  | -6  | 2968 | 123.7 | F | 6:23  | 226  | 17:45 | 217 | *  | *  | *    | *  | 12:5  | 73   | *     | *   | *  | *  | *  | *  |
| 3  | -33  | -33 | -4  | 49  | 111 | 170 | 212 | 230 | 220 | 188 | 146 | 106 | 79  | 72  | 87  | 119 | 158 | 193 | 214 | 214 | 189 | 143 | 85  | 29  | 2944 | 122.7 |   | 7:8   | #230 | 18:29 | 217 | *  | *  | *    | *  | 0:29  | #-37 | 12:50 | 72  | *  | *  | *  | *  |
| 4  | -14  | -35 | -27 | 10  | 65  | 127 | 181 | 217 | 227 | 210 | 174 | 132 | 96  | 75  | 74  | 94  | 128 | 166 | 196 | 211 | 205 | 176 | 129 | 73  | 2890 | 120.4 |   | 7:51  | 227  | 19:14 | 211 | *  | *  | *    | *  | 1:14  | -36  | 13:32 | 71  | *  | *  | *  | *  |
| 5  | 22   | -13 | -26 | -10 | 31  | 86  | 143 | 189 | 216 | 217 | 194 | 157 | 118 | 88  | 73  | 78  | 101 | 134 | 167 | 192 | 201 | 190 | 159 | 114 | 2821 | 117.5 |   | 8:33  | 219  | 19:59 | 201 | *  | *  | *    | *  | 1:57  | -26  | 14:14 | 73  | *  | *  | *  | *  |
| 6  | 65   | 23  | -4  | -7  | 15  | 56  | 107 | 156 | 192 | 208 | 202 | 176 | 140 | 107 | 83  | 75  | 84  | 107 | 135 | 162 | 181 | 185 | 172 | 143 | 2763 | 115.1 |   | 9:13  | 209  | 20:46 | 185 | *  | *  | *    | *  | 2:38  | -9   | 14:58 | 75  | *  | *  | *  | *  |
| 7  | 103  | 63  | 31  | 14  | 18  | 43  | 81  | 125 | 164 | 189 | 196 | 184 | 158 | 127 | 99  | 82  | 78  | 88  | 107 | 131 | 152 | 165 | 167 | 155 | 2720 | 113.3 |   | 9:51  | 197  | 21:38 | 168 | *  | *  | *    | *  | 3:18  | 13   | 15:46 | 78  | *  | *  | *  | *  |
| 8  | 130  | 98  | 68  | 45  | 37  | 46  | 70  | 103 | 138 | 167 | 183 | 183 | 169 | 145 | 118 | 96  | 83  | 80  | 88  | 102 | 120 | 137 | 148 | 150 | 2704 | 112.7 |   | 10:31 | 185  | 22:41 | 151 | *  | *  | *    | *  | 4:0   | 37   | 16:45 | 80  | *  | *  | *  | *  |
| 9  | 141  | 123 | 100 | 79  | 65  | 62  | 71  | 91  | 118 | 144 | 165 | 175 | 171 | 157 | 137 | 115 | 96  | 83  | 79  | 82  | 92  | 107 | 122 | 133 | 2708 | 112.8 | L | 11:15 | 175  | *     | *   | *  | *  | 4:46 | 61 | 18:5  | 79   | *     | *   | *  | *  |    |    |
| 10 | 138  | 135 | 124 | 109 | 95  | 84  | 82  | 89  | 105 | 125 | 146 | 161 | 167 | 164 | 152 | 134 | 114 | 95  | 80  | 71  | 71  | 79  | 92  | 109 | 2721 | 113.4 |   | 0:6   | 138  | 12:9  | 167 | *  | *  | *    | *  | 5:45  | 82   | 19:33 | 70  | *  | *  | *  | *  |
| 11 | 124  | 134 | 137 | 133 | 123 | 111 | 100 | 96  | 99  | 111 | 127 | 144 | 157 | 164 | 162 | 152 | 135 | 113 | 90  | 71  | 59  | 57  | 65  | 81  | 2745 | 114.4 |   | 1:54  | 137  | 13:17 | 164 | *  | *  | *    | *  | 7:5   | 96   | 20:43 | 57  | *  | *  | *  | *  |
| 12 | 102  | 123 | 139 | 148 | 147 | 137 | 123 | 110 | 101 | 102 | 111 | 126 | 143 | 157 | 166 | 165 | 154 | 134 | 108 | 80  | 57  | 44  | 43  | 54  | 2774 | 115.6 |   | 3:23  | 148  | 14:26 | 166 | *  | *  | *    | *  | 8:29  | 100  | 21:36 | 41  | *  | *  | *  | *  |
| 13 | 76   | 104 | 131 | 152 | 162 | 160 | 147 | 129 | 111 | 100 | 99  | 108 | 125 | 145 | 162 | 172 | 170 | 155 | 129 | 97  | 65  | 40  | 28  | 31  | 2798 | 116.6 |   | 4:20  | 163  | 15:21 | 172 | *  | *  | *    | *  | 9:35  | 98   | 22:19 | 27  | *  | *  | *  | *  |
| 14 | 49   | 79  | 113 | 146 | 168 | 177 | 170 | 151 | 126 | 105 | 93  | 94  | 107 | 129 | 153 | 171 | 180 | 173 | 152 | 119 | 81  | 47  | 23  | 15  | 2821 | 117.5 |   | 5:2   | 177  | 16:5  | 180 | *  | *  | *    | *  | 10:26 | 92   | 22:56 | 15  | *  | *  | *  | *  |
| 15 | 25   | 52  | 90  | 130 | 164 | 185 | 187 | 172 | 146 | 117 | 94  | 85  | 91  | 110 | 138 | 164 | 183 | 186 | 173 | 143 | 103 | 61  | 27  | 8   | 2834 | 118.1 |   | 5:38  | 189  | 16:43 | 187 | *  | *  | *    | *  | 11:7  | 85   | 23:31 | 5   | *  | *  | *  | *  |
| 16 | 7    | 27  | 63  | 108 | 150 | 183 | 197 | 190 | 166 | 134 | 103 | 82  | 79  | 92  | 119 | 151 | 178 | 192 | 188 | 165 | 127 | 82  | 40  | 10  | 2833 | 118.0 |   | 6:10  | 197  | 17:18 | 193 | *  | *  | *    | *  | 11:43 | 78   | *     | *   | *  | *  | *  | *  |
| 17 | -2   | 7   | 38  | 82  | 130 | 171 | 197 | 201 | 184 | 152 | 117 | 87  | 73  | 77  | 100 | 133 | 167 | 191 | 197 | 184 | 151 | 107 | 60  | 21  | 2825 | 117.7 | N | 6:41  | 202  | 17:50 | 198 | *  | *  | *    | *  | 0:4   | -2   | 12:16 | 72  | *  | *  | *  | *  |
| 18 | -3   | -4  | 17  | 56  | 105 | 153 | 188 | 204 | 197 | 170 | 134 | 98  | 74  | 68  | 82  | 113 | 149 | 181 | 198 | 195 | 172 | 132 | 84  | 39  | 2802 | 116.8 |   | 7:11  | 204  | 18:23 | 200 | *  | *  | *    | *  | 0:35  | -6   | 12:48 | 67  | *  | *  | *  | *  |
| 19 | 6    | -7  | 3   | 35  | 81  | 130 | 172 | 199 | 203 | 185 | 151 | 113 | 82  | 65  | 69  | 92  | 128 | 164 | 190 | 198 | 186 | 155 | 110 | 63  | 2773 | 115.5 |   | 7:41  | 204  | 18:56 | 198 | *  | *  | *    | *  | 1:5   | -7   | 13:19 | 64  | *  | *  | *  | *  |
| 20 | 23   | 0   | -2  | 19  | 59  | 107 | 152 | 186 | 201 | 194 | 167 | 131 | 95  | 70  | 63  | 76  | 105 | 141 | 173 | 191 | 192 | 172 | 135 | 89  | 2739 | 114.1 |   | 8:10  | 202  | 19:31 | 194 | *  | *  | *    | *  | 1:35  | -4   | 13:51 | 63  | *  | *  | *  | *  |
| 21 | 46   | 15  | 3   | 12  | 42  | 85  | 131 | 169 | 193 | 196 | 180 | 148 | 111 | 81  | 64  | 66  | 85  | 116 | 149 | 175 | 186 | 180 | 154 | 116 | 2703 | 112.6 |   | 8:40  | 198  | 20:9  | 186 | *  | *  | *    | *  | 2:4   | 3    | 14:25 | 62  | *  | *  | *  | *  |
| 22 | 74   | 38  | 17  | 15  | 34  | 68  | 110 | 149 | 179 | 192 | 186 | 163 | 129 | 97  | 73  | 63  | 71  | 93  | 122 | 150 | 170 | 176 | 165 | 138 | 2672 | 111.3 |   | 9:12  | 192  | 20:52 | 176 | *  | *  | *    | *  | 2:35  | 13   | 15:3  | 63  | *  | *  | *  | *  |
| 23 | 102  | 66  | 39  | 28  | 34  | 58  | 92  | 129 | 160 | 181 | 185 | 172 | 147 | 115 | 87  | 69  | 65  | 74  | 95  | 121 | 145 | 161 | 164 | 152 | 2641 | 110.0 |   | 9:45  | 186  | 21:43 | 164 | *  | *  | *    | *  | 3:9   | 28   | 15:49 | 65  | *  | *  | *  | *  |
| 24 | 127  | 97  | 69  | 51  | 46  | 57  | 80  | 110 | 140 | 164 | 177 | 176 | 160 | 135 | 107 | 84  | 68  | 65  | 73  | 90  | 112 | 134 | 148 | 152 | 2622 | 109.3 |   | 10:24 | 178  | 22:49 | 152 | *  | *  | *    | *  | 3:48  | 46   | 16:48 | 65  | *  | *  | *  | *  |
| 25 | 144  | 125 | 102 | 81  | 69  | 67  | 77  | 96  | 120 | 144 | 163 | 171 | 168 | 153 | 130 | 105 | 83  | 67  | 60  | 64  | 78  | 98  | 119 | 136 | 2620 | 109.2 | U | 11:12 | 171  | *     | *   | *  | *  | 4:38 | 66 | 18:7  | 60   | *     | *   | *  | *  |    |    |
| 26 | 145  | 143 | 132 | 116 | 100 | 89  | 86  | 91  | 105 | 124 | 143 | 159 | 166 | 164 | 152 | 132 | 107 | 82  | 62  | 50  | 49  | 60  | 80  | 105 | 2642 | 110.1 |   | 0:18  | 145  | 12:16 | 167 | *  | *  | *    | *  | 5:53  | 86   | 19:34 | 48  | *  | *  | *  | *  |
| 27 | 128  | 144 | 150 | 147 | 136 | 121 | 108 | 99  | 98  | 106 | 121 | 139 | 155 | 165 | 167 | 157 | 138 | 110 | 79  | 52  | 33  | 29  | 39  | 63  | 2684 | 111.8 |   | 2:8   | 151  | 13:38 | 167 | *  | *  | *    | *  | 7:36  | 98   | 20:49 | 28  | *  | *  | *  | *  |
| 28 | 94   | 125 | 151 | 165 | 167 | 157 | 139 | 120 | 104 | 97  | 101 | 114 | 134 | 155 | 170 | 176 | 168 | 145 | 111 | 73  | 37  | 14  | 7   | 19  | 2743 | 114.3 |   | 3:39  | 168  | 14:56 | 176 | *  | *  | *    | *  | 9:10  | 97   | 21:52 | 7   | *  | *  | *  | *  |
| 29 | 48   | 88  | 129 | 164 | 185 | 188 | 175 | 150 | 123 | 101 | 90  | 92  | 108 | 133 | 160 | 181 | 189 | 180 | 151 | 109 | 62  | 20  | -7  | -13 | 2806 | 116.9 |   | 4:42  | 189  | 15:59 | 189 | *  | *  | *    | *  | 10:20 | 89   | 22:47 | -13 | *  | *  | *  | *  |
| 30 | 4    | 41  | 90  | 140 | 181 | 204 | 204 | 184 | 152 | 118 | 91  | 78  | 83  | 105 | 137 | 170 | 194 | 202 | 188 | 153 | 102 | 49  | 3   | -24 | 2849 | 118.7 |   | 5:31  | 207  | 16:53 | 202 | *  | *  | *    | *  | 11:14 | 78   | 23:36 | -29 | *  | *  | *  | *  |
| 31 | -26  | -2  | 44  | 101 | 157 | 199 | 218 | 212 | 184 | 144 | 105 | 77  | 67  | 78  | 107 | 146 | 182 | 207 | 211 | 191 | 148 | 91  | 35  | -11 | 2865 | 119.4 | F | 6:15  | 219  | 17:41 | 212 | *  | *  | *    | *  | 12:0  | 67   | *     | *   | *  | *  | *  | *  |

| N   | Sum   | Mean  | 推算月最高潮位 |     |    | 推算月最低潮位 |     |    |
|-----|-------|-------|---------|-----|----|---------|-----|----|
|     |       |       | 起時      | 潮位  | 回数 | 起時      | 潮位  | 回数 |
| 744 | 85986 | 115.6 | 3日7時8分  | 230 | 1  | 3日0時29分 | -37 | 1  |

# 推算潮位（毎時・満干潮）

地点名：四日市港

緯度：34 °58 N

経度：136 °38 E

潮位表基準面の零点：平均海面下 130.0(cm)

2018 年 2 月

| 日  | 毎時潮位 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 満潮  |      |       |   |       |      |       |     | 干潮 |    |      |    |       |      |       |     |    |    |    |    |   |
|----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|---|-------|------|-------|-----|----|----|------|----|-------|------|-------|-----|----|----|----|----|---|
|    | 0    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 日合計  | 日平均   | 月 | 時刻    | 潮位   | 時刻    | 潮位  | 時刻 | 潮位 | 時刻   | 潮位 | 時刻    | 潮位   | 時刻    | 潮位  | 時刻 | 潮位 | 時刻 | 潮位 |   |
| 1  | -34  | -30 | 3   | 57  | 119 | 175 | 213 | 225 | 210 | 173 | 129 | 89  | 63  | 59  | 78  | 114 | 156 | 193 | 214 | 213 | 185 | 137 | 78  | 22  | 2841 | 118.4 |   | 6:55  | #225 | 18:26 | 217 | *  | *  | *    | *  | 0:22  | #-36 | 12:41 | 58  | *  | *  | *  | *  |   |
| 2  | -19  | -35 | -21 | 20  | 79  | 141 | 192 | 221 | 222 | 197 | 155 | 109 | 72  | 53  | 57  | 83  | 124 | 166 | 199 | 214 | 206 | 172 | 121 | 64  | 2792 | 116.3 |   | 7:33  | #225 | 19:10 | 215 | *  | *  | *    | *  | 1:3   | -35  | 13:20 | 52  | *  | *  | *  | *  |   |
| 3  | 14   | -18 | -23 | 0   | 48  | 106 | 162 | 203 | 220 | 209 | 176 | 132 | 89  | 59  | 49  | 61  | 93  | 133 | 171 | 198 | 206 | 191 | 154 | 104 | 2737 | 114.0 |   | 8:7   | 220  | 19:52 | 206 | *  | *  | *    | *  | 1:42  | -25  | 13:57 | 49  | *  | *  | *  | *  |   |
| 4  | 54   | 14  | -6  | 0   | 31  | 80  | 133 | 178 | 206 | 210 | 189 | 152 | 110 | 74  | 52  | 51  | 70  | 102 | 139 | 170 | 189 | 190 | 170 | 134 | 2692 | 112.2 |   | 8:40  | 211  | 20:33 | 192 | *  | *  | *    | *  | 2:17  | -7   | 14:33 | 49  | *  | *  | *  | *  |   |
| 5  | 90   | 50  | 22  | 15  | 30  | 65  | 110 | 153 | 186 | 200 | 193 | 166 | 129 | 92  | 65  | 53  | 59  | 79  | 108 | 138 | 162 | 174 | 170 | 150 | 2659 | 110.8 |   | 9:10  | 200  | 21:16 | 175 | *  | *  | *    | *  | 2:49  | 15   | 15:11 | 53  | *  | *  | *  | *  |   |
| 6  | 118  | 83  | 55  | 40  | 43  | 63  | 96  | 133 | 165 | 185 | 188 | 173 | 145 | 112 | 83  | 64  | 58  | 67  | 85  | 109 | 132 | 149 | 156 | 150 | 2652 | 110.5 |   | 9:39  | 189  | 22:3  | 156 | *  | *  | *    | *  | 3:21  | 39   | 15:53 | 58  | *  | *  | *  | *  |   |
| 7  | 133  | 109 | 85  | 68  | 63  | 71  | 91  | 119 | 146 | 167 | 177 | 172 | 154 | 129 | 103 | 81  | 68  | 65  | 72  | 85  | 103 | 121 | 134 | 139 | 2655 | 110.6 |   | 10:10 | 177  | 23:6  | 139 | *  | *  | *    | *  | 3:54  | 63   | 16:47 | 65  | *  | *  | *  | *  |   |
| 8  | 136  | 125 | 110 | 96  | 87  | 86  | 95  | 110 | 130 | 149 | 162 | 165 | 158 | 142 | 122 | 102 | 85  | 73  | 68  | 71  | 79  | 93  | 107 | 120 | 2671 | 111.3 | L | 10:48 | 165  | *     | *   | *  | *  | 4:35 | 85 | 18:9  | 68   | *     | *   | *  | *  |    |    |   |
| 9  | 128  | 130 | 127 | 120 | 112 | 106 | 104 | 109 | 118 | 131 | 144 | 152 | 154 | 149 | 138 | 123 | 106 | 89  | 75  | 66  | 64  | 69  | 80  | 96  | 2690 | 112.1 |   | 0:50  | 130  | 11:45 | 155 | *  | *  | *    | *  | 5:47  | 104  | 19:48 | 63  | *  | *  | *  | *  |   |
| 10 | 112  | 125 | 134 | 138 | 135 | 128 | 120 | 114 | 112 | 116 | 125 | 136 | 145 | 149 | 148 | 141 | 128 | 110 | 90  | 71  | 57  | 52  | 56  | 69  | 2711 | 113.0 |   | 3:3   | 138  | 13:20 | 149 | *  | *  | *    | *  | 7:47  | 112  | 21:3  | 52  | *  | *  | *  | *  |   |
| 11 | 89   | 111 | 132 | 147 | 153 | 150 | 140 | 126 | 113 | 107 | 108 | 117 | 129 | 142 | 152 | 154 | 149 | 133 | 111 | 84  | 60  | 43  | 37  | 45  | 2732 | 113.8 |   | 4:11  | 153  | 14:51 | 155 | *  | *  | *    | *  | 9:19  | 106  | 21:57 | 37  | *  | *  | *  | *  |   |
| 12 | 63   | 90  | 120 | 146 | 164 | 169 | 160 | 142 | 121 | 104 | 96  | 99  | 111 | 129 | 148 | 161 | 165 | 156 | 135 | 105 | 72  | 44  | 27  | 25  | 2752 | 114.7 |   | 4:51  | 169  | 15:48 | 165 | *  | *  | *    | *  | 10:15 | 96   | 22:39 | 24  | *  | *  | *  | *  |   |
| 13 | 38   | 65  | 100 | 136 | 165 | 181 | 179 | 162 | 136 | 109 | 90  | 84  | 92  | 112 | 137 | 160 | 175 | 175 | 159 | 129 | 91  | 54  | 26  | 12  | 2767 | 115.3 |   | 5:24  | 182  | 16:31 | 177 | *  | *  | *    | *  | 10:56 | 84   | 23:16 | 12  | *  | *  | *  | *  |   |
| 14 | 17   | 40  | 76  | 119 | 158 | 184 | 192 | 180 | 153 | 120 | 92  | 75  | 75  | 92  | 120 | 152 | 177 | 188 | 180 | 155 | 116 | 73  | 34  | 9   | 2777 | 115.7 |   | 5:53  | 192  | 17:7  | 188 | *  | *  | *    | *  | 11:30 | 72   | 23:48 | 2   | *  | *  | *  | *  |   |
| 15 | 3    | 18  | 51  | 96  | 143 | 180 | 199 | 196 | 172 | 137 | 100 | 73  | 62  | 72  | 99  | 135 | 169 | 192 | 196 | 178 | 143 | 97  | 51  | 15  | 2777 | 115.7 |   | 6:22  | 200  | 17:41 | 197 | *  | *  | *    | *  | 12:2  | 62   | *     | *   | *  | *  | *  | *  | * |
| 16 | -3   | 2   | 29  | 72  | 122 | 167 | 197 | 205 | 189 | 155 | 114 | 78  | 56  | 55  | 76  | 113 | 153 | 186 | 202 | 197 | 169 | 125 | 75  | 31  | 2765 | 115.2 | N | 6:49  | 205  | 18:15 | 203 | *  | *  | *    | *  | 0:19  | -4   | 12:32 | 53  | *  | *  | *  | *  |   |
| 17 | 2    | -6  | 11  | 50  | 100 | 150 | 188 | 207 | 201 | 173 | 132 | 90  | 58  | 46  | 56  | 88  | 130 | 170 | 198 | 205 | 189 | 152 | 103 | 54  | 2747 | 114.5 |   | 7:16  | 208  | 18:50 | 206 | *  | *  | *    | *  | 0:49  | -6   | 13:3  | 46  | *  | *  | *  | *  |   |
| 18 | 16   | -3  | 2   | 32  | 78  | 129 | 173 | 202 | 207 | 188 | 151 | 107 | 68  | 44  | 43  | 64  | 103 | 146 | 182 | 202 | 200 | 175 | 133 | 83  | 2725 | 113.5 |   | 7:43  | 208  | 19:25 | 204 | *  | *  | *    | *  | 1:18  | -4   | 13:34 | 41  | *  | *  | *  | *  |   |
| 19 | 39   | 11  | 4   | 22  | 60  | 108 | 155 | 190 | 205 | 198 | 168 | 126 | 83  | 51  | 38  | 47  | 76  | 117 | 158 | 187 | 199 | 189 | 158 | 113 | 2702 | 112.6 |   | 8:11  | 206  | 20:3  | 199 | *  | *  | *    | *  | 1:47  | 3    | 14:6  | 38  | *  | *  | *  | *  |   |
| 20 | 68   | 33  | 16  | 22  | 49  | 90  | 135 | 173 | 196 | 199 | 180 | 145 | 103 | 66  | 43  | 39  | 55  | 88  | 127 | 161 | 184 | 189 | 173 | 140 | 2674 | 111.4 |   | 8:38  | 201  | 20:44 | 189 | *  | *  | *    | *  | 2:16  | 15   | 14:41 | 38  | *  | *  | *  | *  |   |
| 21 | 99   | 62  | 38  | 33  | 47  | 78  | 117 | 154 | 182 | 193 | 185 | 160 | 123 | 86  | 56  | 41  | 44  | 64  | 95  | 129 | 157 | 174 | 174 | 157 | 2648 | 110.3 |   | 9:7   | 193  | 21:31 | 176 | *  | *  | *    | *  | 2:46  | 32   | 15:20 | 40  | *  | *  | *  | *  |   |
| 22 | 128  | 94  | 68  | 54  | 57  | 75  | 103 | 136 | 163 | 180 | 183 | 169 | 142 | 109 | 77  | 55  | 45  | 50  | 68  | 94  | 123 | 146 | 160 | 160 | 2639 | 110.0 |   | 9:39  | 184  | 22:29 | 162 | *  | *  | *    | *  | 3:20  | 53   | 16:9  | 45  | *  | *  | *  | *  |   |
| 23 | 146  | 124 | 100 | 83  | 76  | 82  | 98  | 120 | 143 | 162 | 172 | 169 | 155 | 131 | 104 | 78  | 59  | 50  | 52  | 65  | 85  | 109 | 131 | 145 | 2639 | 110.0 | U | 10:19 | 173  | 23:51 | 149 | *  | *  | *    | *  | 4:3   | 76   | 17:19 | 49  | *  | *  | *  | *  |   |
| 24 | 149  | 143 | 130 | 116 | 104 | 99  | 102 | 111 | 125 | 141 | 154 | 161 | 159 | 148 | 130 | 108 | 85  | 65  | 52  | 47  | 54  | 70  | 92  | 115 | 2660 | 110.8 |   | 11:18 | 161  | *     | *   | *  | *  | 5:10 | 99 | 18:55 | 47   | *     | *   | *  | *  |    |    |   |
| 25 | 134  | 146 | 150 | 146 | 137 | 126 | 117 | 113 | 114 | 120 | 131 | 143 | 152 | 156 | 152 | 140 | 120 | 95  | 69  | 48  | 36  | 37  | 50  | 74  | 2706 | 112.8 |   | 1:55  | 150  | 13:1  | 156 | *  | *  | *    | *  | 7:19  | 112  | 20:27 | 35  | *  | *  | *  | *  |   |
| 26 | 103  | 131 | 152 | 165 | 166 | 158 | 142 | 125 | 112 | 105 | 108 | 118 | 134 | 150 | 161 | 164 | 156 | 134 | 103 | 68  | 38  | 20  | 17  | 32  | 2762 | 115.1 |   | 3:37  | 167  | 14:48 | 165 | *  | *  | *    | *  | 9:15  | 105  | 21:39 | 16  | *  | *  | *  | *  |   |
| 27 | 61   | 98  | 136 | 167 | 185 | 186 | 172 | 148 | 122 | 101 | 90  | 92  | 107 | 130 | 155 | 175 | 182 | 172 | 145 | 105 | 61  | 24  | 2   | 0   | 2816 | 117.3 |   | 4:35  | 188  | 15:58 | 182 | *  | *  | *    | *  | 10:21 | 89   | 22:36 | -2  | *  | *  | *  | *  |   |
| 28 | 19   | 57  | 104 | 150 | 186 | 204 | 200 | 177 | 143 | 109 | 83  | 71  | 78  | 101 | 134 | 168 | 192 | 200 | 185 | 149 | 100 | 50  | 9   | -13 | 2856 | 119.0 |   | 5:19  | 205  | 16:51 | 200 | *  | *  | *    | *  | 11:9  | 71   | 23:25 | -15 | *  | *  | *  | *  |   |

| N<br>総回数 | Sum<br>推算月合計 | Mean<br>推算月平均 | 推算月最高潮位 |     |    | 推算月最低潮位 |     |    |
|----------|--------------|---------------|---------|-----|----|---------|-----|----|
|          |              |               | 起時      | 潮位  | 回数 | 起時      | 潮位  | 回数 |
| 672      | 76244        | 113.5         | 2日7時33分 | 225 | 2  | 1日0時22分 | -36 | 1  |



# 推算潮位（毎時・満干潮）

地点名：四日市港

緯度：34 °58 N

経度：136 °38 E

潮位表基準面の零点：平均海面下 130.0(cm)

2018 年 4 月

| 日  | 毎時潮位 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 満潮   |       |       |      |       |       |       |      | 干潮 |    |      |      |       |       |       |     |    |    |    |    |
|----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|------|-------|-------|-------|------|----|----|------|------|-------|-------|-------|-----|----|----|----|----|
|    | 0    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23   | 日合計   | 日平均   | 月    | 時刻    | 潮位    | 時刻    | 潮位   | 時刻 | 潮位 | 時刻   | 潮位   | 時刻    | 潮位    | 時刻    | 潮位  | 時刻 | 潮位 | 時刻 | 潮位 |
| 1  | 15   | 20  | 50  | 99  | 152 | 197 | 222 | 221 | 194 | 148 | 96  | 52  | 21  | 44  | 87  | 138 | 185 | 215 | 223 | 204 | 164 | 114 | 67  | 2953 | 123.0 |       | 6:28 | 225   | 18:48 | 224   | *    | *  | *  | *    | 0:21 | 14    | 12:37 | 20    | *   | *  | *  | *  |    |
| 2  | 34   | 24  | 41  | 80  | 131 | 178 | 212 | 222 | 207 | 169 | 118 | 69  | 32  | 16  | 26  | 59  | 106 | 155 | 195 | 216 | 214 | 188 | 145 | 99   | 2936  | 122.3 |      | 6:55  | 223   | 19:24 | 219  | *  | *  | *    | *    | 0:53  | 24    | 13: 8 | 16  | *  | *  | *  | *  |
| 3  | 61   | 40  | 43  | 70  | 113 | 159 | 196 | 216 | 212 | 184 | 139 | 90  | 47  | 22  | 18  | 39  | 78  | 124 | 167 | 198 | 209 | 198 | 168 | 127  | 2918  | 121.6 |      | 7:20  | 217   | 20: 0 | 209  | *  | *  | *    | *    | 1:23  | 38    | 13:38 | 17  | *  | *  | *  | *  |
| 4  | 89   | 62  | 54  | 69  | 101 | 142 | 179 | 203 | 208 | 192 | 156 | 111 | 68  | 36  | 22  | 30  | 58  | 97  | 138 | 173 | 193 | 196 | 179 | 148  | 2904  | 121.0 |      | 7:44  | 209   | 20:36 | 197  | *  | *  | *    | *    | 1:51  | 54    | 14: 8 | 22  | *  | *  | *  | *  |
| 5  | 114  | 86  | 71  | 75  | 96  | 128 | 162 | 188 | 199 | 192 | 167 | 130 | 90  | 56  | 35  | 33  | 48  | 76  | 111 | 145 | 171 | 183 | 179 | 161  | 2896  | 120.7 |      | 8: 8  | 199   | 21:15 | 183  | *  | *  | *    | *    | 2:18  | 70    | 14:39 | 31  | *  | *  | *  | *  |
| 6  | 135  | 109 | 91  | 87  | 97  | 119 | 146 | 170 | 185 | 186 | 171 | 144 | 110 | 78  | 55  | 44  | 48  | 65  | 90  | 119 | 145 | 163 | 169 | 163  | 2889  | 120.4 |      | 8:34  | 187   | 22: 0 | 169  | *  | *  | *    | *    | 2:48  | 86    | 15:14 | 44  | *  | *  | *  | *  |
| 7  | 148  | 129 | 112 | 103 | 104 | 115 | 133 | 152 | 167 | 173 | 168 | 151 | 127 | 101 | 78  | 63  | 58  | 63  | 77  | 97  | 118 | 138 | 152 | 156  | 2883  | 120.1 |      | 9: 4  | 173   | 23: 1 | 156  | *  | *  | *    | *    | 3:23  | 102   | 15:59 | 58  | *  | *  | *  | *  |
| 8  | 152  | 143 | 132 | 122 | 117 | 119 | 125 | 136 | 147 | 155 | 157 | 151 | 138 | 120 | 102 | 86  | 75  | 70  | 73  | 82  | 96  | 113 | 129 | 141  | 2881  | 120.0 | L    | 9:45  | 158   | *     | *    | *  | *  | 4:17 | 117  | 17:10 | 70    | *     | *   | *  | *  |    |    |
| 9  | 149  | 150 | 147 | 141 | 134 | 128 | 125 | 125 | 129 | 135 | 141 | 143 | 141 | 134 | 124 | 111 | 98  | 86  | 78  | 75  | 79  | 89  | 104 | 121  | 2887  | 120.3 |      | 0:48  | 150   | 11: 3 | 143  | *  | *  | *    | *    | 6:25  | 125   | 18:57 | 75  | *  | *  | *  | *  |
| 10 | 137  | 149 | 156 | 158 | 153 | 143 | 132 | 121 | 115 | 115 | 121 | 129 | 136 | 141 | 141 | 135 | 123 | 108 | 92  | 78  | 70  | 71  | 80  | 97   | 2901  | 120.9 |      | 2:42  | 158   | 13:29 | 141  | *  | *  | *    | *    | 8:29  | 115   | 20:25 | 69  | *  | *  | *  | *  |
| 11 | 118  | 140 | 158 | 169 | 170 | 161 | 144 | 125 | 108 | 99  | 99  | 109 | 123 | 139 | 151 | 155 | 149 | 134 | 113 | 89  | 70  | 59  | 61  | 74   | 2917  | 121.5 |      | 3:36  | 171   | 14:58 | 155  | *  | *  | *    | *    | 9:27  | 98    | 21:24 | 58  | *  | *  | *  | *  |
| 12 | 97   | 125 | 153 | 174 | 184 | 180 | 162 | 135 | 108 | 88  | 80  | 85  | 103 | 127 | 151 | 168 | 173 | 163 | 140 | 110 | 80  | 57  | 48  | 53   | 2944  | 122.7 |      | 4:12  | 184   | 15:49 | 173  | *  | *  | *    | *    | 10: 6 | 80    | 22:10 | 47  | *  | *  | *  | *  |
| 13 | 73   | 105 | 140 | 172 | 193 | 196 | 181 | 152 | 117 | 85  | 65  | 62  | 77  | 106 | 140 | 171 | 188 | 189 | 171 | 138 | 100 | 67  | 44  | 38   | 2970  | 123.8 |      | 4:41  | 197   | 16:31 | 191  | *  | *  | *    | *    | 10:40 | 61    | 22:48 | 38  | *  | *  | *  | *  |
| 14 | 52   | 82  | 122 | 163 | 194 | 208 | 200 | 172 | 132 | 91  | 58  | 43  | 50  | 78  | 118 | 160 | 193 | 207 | 200 | 171 | 130 | 87  | 53  | 34   | 2998  | 124.9 |      | 5:10  | 208   | 17:10 | 207  | *  | *  | *    | *    | 11:12 | 43    | 23:24 | 32  | *  | *  | *  | *  |
| 15 | 36   | 60  | 101 | 147 | 187 | 212 | 215 | 194 | 154 | 105 | 62  | 33  | 27  | 47  | 87  | 136 | 182 | 212 | 220 | 203 | 165 | 118 | 73  | 42   | 3018  | 125.8 |      | 5:38  | 217   | 17:49 | 221  | *  | *  | *    | *    | 11:45 | 26    | 23:58 | 31  | *  | *  | *  | *  |
| 16 | 31   | 44  | 79  | 126 | 173 | 208 | 223 | 212 | 177 | 127 | 76  | 35  | 14  | 20  | 52  | 102 | 157 | 201 | 226 | 225 | 198 | 153 | 104 | 63   | 3026  | 126.1 | N    | 6: 6  | 223   | 18:28 | 229  | *  | *  | *    | *    | 12:18 | 13    | *     | *   | *  | *  | *  | *  |
| 17 | 39   | 38  | 62  | 104 | 153 | 195 | 221 | 222 | 198 | 153 | 98  | 49  | 14  | 4   | 22  | 65  | 120 | 174 | 214 | 231 | 221 | 187 | 140 | 94   | 3018  | 125.8 |      | 6:35  | 225   | 19: 8 | #231 | *  | *  | *    | *    | 0:32  | 35    | 12:52 | 4   | *  | *  | *  | *  |
| 18 | 59   | 45  | 55  | 87  | 132 | 176 | 209 | 222 | 211 | 176 | 126 | 72  | 28  | 4   | 5   | 33  | 81  | 136 | 185 | 217 | 226 | 210 | 173 | 128  | 2996  | 124.8 |      | 7: 4  | 222   | 19:51 | 227  | *  | *  | *    | *    | 1: 6  | 45    | 13:27 | # 1 | *  | *  | *  | *  |
| 19 | 88   | 64  | 60  | 79  | 114 | 155 | 191 | 212 | 214 | 192 | 152 | 101 | 53  | 19  | 4   | 15  | 49  | 96  | 146 | 188 | 213 | 215 | 194 | 159  | 2973  | 123.9 |      | 7:34  | 216   | 20:35 | 217  | *  | *  | *    | *    | 1:40  | 59    | 14: 5 | 4   | *  | *  | *  | *  |
| 20 | 121  | 91  | 76  | 81  | 103 | 136 | 170 | 195 | 205 | 197 | 171 | 130 | 85  | 46  | 20  | 15  | 30  | 63  | 106 | 149 | 183 | 201 | 199 | 180  | 2953  | 123.0 |      | 8: 5  | 205   | 21:24 | 202  | *  | *  | *    | *    | 2:15  | 76    | 14:46 | 14  | *  | *  | *  | *  |
| 21 | 150  | 121 | 101 | 94  | 103 | 123 | 149 | 173 | 188 | 191 | 178 | 152 | 116 | 80  | 49  | 32  | 30  | 45  | 73  | 109 | 144 | 172 | 186 | 184  | 2943  | 122.6 |      | 8:41  | 191   | 22:23 | 187  | *  | *  | *    | *    | 2:55  | 94    | 15:36 | 28  | *  | *  | *  | *  |
| 22 | 170  | 148 | 128 | 115 | 112 | 119 | 133 | 150 | 165 | 174 | 174 | 162 | 141 | 114 | 86  | 62  | 48  | 45  | 55  | 77  | 105 | 135 | 159 | 173  | 2950  | 122.9 |      | 9:28  | 175   | 23:41 | 175  | *  | *  | *    | *    | 3:47  | 112   | 16:42 | 44  | *  | *  | *  | *  |
| 23 | 175  | 167 | 154 | 140 | 129 | 124 | 125 | 131 | 140 | 150 | 157 | 159 | 154 | 141 | 122 | 100 | 79  | 63  | 55  | 59  | 74  | 97  | 124 | 148  | 2967  | 123.6 | U    | 10:48 | 159   | *     | *    | *  | *  | 5:22 | 123  | 18:12 | 55    | *     | *   | *  | *  |    |    |
| 24 | 166  | 174 | 173 | 164 | 151 | 138 | 126 | 119 | 117 | 122 | 132 | 143 | 152 | 156 | 151 | 139 | 118 | 95  | 73  | 59  | 57  | 68  | 89  | 116  | 2998  | 124.9 |      | 1:22  | 174   | 13: 1 | 156  | *  | *  | *    | *    | 7:41  | 117   | 19:41 | 56  | *  | *  | *  | *  |
| 25 | 144  | 167 | 181 | 184 | 175 | 158 | 137 | 117 | 102 | 97  | 102 | 116 | 135 | 154 | 166 | 168 | 157 | 134 | 105 | 77  | 58  | 52  | 61  | 84   | 3031  | 126.3 |      | 2:44  | 184   | 14:40 | 169  | *  | *  | *    | *    | 9: 0  | 97    | 20:53 | 52  | *  | *  | *  | *  |
| 26 | 116  | 149 | 177 | 194 | 195 | 182 | 156 | 126 | 98  | 80  | 75  | 85  | 108 | 137 | 164 | 183 | 187 | 173 | 144 | 108 | 75  | 53  | 47  | 59   | 3071  | 128.0 |      | 3:36  | 197   | 15:43 | 187  | *  | *  | *    | *    | 9:49  | 75    | 21:50 | 46  | *  | *  | *  | *  |
| 27 | 87   | 125 | 163 | 193 | 207 | 203 | 179 | 144 | 106 | 75  | 57  | 57  | 76  | 108 | 147 | 180 | 201 | 201 | 181 | 146 | 105 | 69  | 48  | 45   | 3103  | 129.3 |      | 4:16  | 208   | 16:32 | 204  | *  | *  | *    | *    | 10:29 | 54    | 22:37 | 44  | *  | *  | *  | *  |
| 28 | 64   | 99  | 142 | 181 | 209 | 216 | 201 | 167 | 123 | 81  | 50  | 37  | 46  | 76  | 118 | 162 | 198 | 215 | 209 | 182 | 140 | 97  | 63  | 46   | 3122  | 130.1 |      | 4:50  | 216   | 17:16 | 216  | *  | *  | *    | *    | 11: 6 | 37    | 23:17 | 45  | *  | *  | *  | *  |
| 29 | 51   | 78  | 119 | 164 | 201 | 220 | 216 | 189 | 145 | 97  | 55  | 29  | 26  | 46  | 86  | 134 | 180 | 212 | 223 | 208 | 174 | 130 | 88  | 59   | 3130  | 130.4 |      | 5:21  | 222   | 17:56 | 223  | *  | *  | *    | *    | 11:40 | 24    | 23:53 | 50  | *  | *  | *  | *  |
| 30 | 50   | 65  | 99  | 144 | 186 | 215 | 223 | 206 | 168 | 119 | 70  | 34  | 17  | 24  | 56  | 103 | 153 | 196 | 221 | 222 | 200 | 161 | 117 | 80   | 3129  | 130.4 | F    | 5:50  | 223   | 18:33 | 225  | *  | *  | *    | *    | 12:12 | 16    | *     | *   | *  | *  | *  | *  |

| N<br>総回数 | Sum<br>推算月合計 | Mean<br>推算月平均 | 推算月最高潮位    |     |    | 推算月最低潮位     |    |    |
|----------|--------------|---------------|------------|-----|----|-------------|----|----|
|          |              |               | 起時         | 潮位  | 回数 | 起時          | 潮位 | 回数 |
| 720      | 89305        | 124.0         | 17日 19時 8分 | 231 | 1  | 18日 13時 27分 | 1  | 1  |



### 推算潮位（毎時・満干潮）

地点名：四日市港

緯度：34 °58 N

経度：136 °38 E

潮位表基準面の零点：平均海面下 130.0(cm)

2018 年 6 月

| 日  | 毎時潮位 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 満潮  |      |       |   |       |     | 干潮    |      |    |    |      |     |       |     |       |     |    |    |    |    |
|----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|---|-------|-----|-------|------|----|----|------|-----|-------|-----|-------|-----|----|----|----|----|
|    | 0    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 日合計  | 日平均   | 月 | 時刻    | 潮位  | 時刻    | 潮位   | 時刻 | 潮位 | 時刻   | 潮位  | 時刻    | 潮位  | 時刻    | 潮位  | 時刻 | 潮位 | 時刻 | 潮位 |
| 1  | 105  | 93  | 100 | 124 | 157 | 189 | 210 | 213 | 198 | 165 | 121 | 78  | 43  | 24  | 26  | 49  | 87  | 132 | 174 | 204 | 216 | 208 | 184 | 152 | 3252 | 135.5 |   | 6:42  | 214 | 20: 6 | 216  | *  | *  | *    | *   | 1: 7  | 93  | 13:25 | 22  | *  | *  | *  | *  |
| 2  | 121  | 101 | 98  | 113 | 140 | 171 | 196 | 208 | 203 | 180 | 143 | 102 | 64  | 38  | 29  | 40  | 68  | 107 | 148 | 183 | 205 | 208 | 195 | 168 | 3229 | 134.5 |   | 7:13  | 208 | 20:42 | 209  | *  | *  | *    | *   | 1:40  | 97  | 13:57 | 29  | *  | *  | *  | *  |
| 3  | 139  | 115 | 103 | 107 | 126 | 152 | 178 | 195 | 199 | 187 | 161 | 125 | 88  | 58  | 41  | 41  | 58  | 88  | 124 | 160 | 187 | 200 | 197 | 181 | 3210 | 133.8 |   | 7:46  | 200 | 21:19 | 201  | *  | *  | *    | *   | 2:14  | 103 | 14:31 | 39  | *  | *  | *  | *  |
| 4  | 156  | 131 | 114 | 108 | 117 | 135 | 157 | 177 | 188 | 186 | 171 | 145 | 113 | 82  | 60  | 51  | 56  | 75  | 104 | 136 | 165 | 185 | 193 | 187 | 3192 | 133.0 |   | 8:23  | 189 | 22: 2 | 193  | *  | *  | *    | *   | 2:53  | 108 | 15: 8 | 51  | *  | *  | *  | *  |
| 5  | 170  | 148 | 129 | 116 | 114 | 123 | 138 | 156 | 170 | 177 | 173 | 158 | 134 | 107 | 84  | 68  | 63  | 71  | 89  | 115 | 142 | 166 | 182 | 186 | 3179 | 132.5 |   | 9: 9  | 177 | 22:51 | 186  | *  | *  | *    | *   | 3:41  | 114 | 15:52 | 63  | *  | *  | *  | *  |
| 6  | 179  | 164 | 146 | 130 | 119 | 117 | 122 | 134 | 148 | 160 | 166 | 163 | 151 | 132 | 110 | 91  | 78  | 75  | 82  | 98  | 121 | 145 | 166 | 179 | 3176 | 132.3 |   | 10:12 | 166 | 23:51 | 183  | *  | *  | *    | *   | 4:48  | 117 | 16:49 | 75  | *  | *  | *  | *  |
| 7  | 183  | 177 | 163 | 147 | 131 | 119 | 113 | 115 | 123 | 137 | 150 | 158 | 159 | 152 | 137 | 119 | 101 | 89  | 84  | 89  | 103 | 123 | 146 | 166 | 3184 | 132.7 | L | 11:38 | 160 | *     | *    | *  | *  | 6:15 | 113 | 18: 0 | 84  | *     | *   | *  | *  |    |    |
| 8  | 180  | 184 | 179 | 166 | 147 | 128 | 111 | 101 | 100 | 109 | 125 | 143 | 157 | 164 | 161 | 149 | 131 | 112 | 96  | 89  | 91  | 104 | 125 | 149 | 3201 | 133.4 |   | 0:57  | 184 | 13:12 | 164  | *  | *  | *    | *   | 7:33  | 99  | 19:16 | 88  | *  | *  | *  | *  |
| 9  | 171  | 186 | 191 | 185 | 168 | 144 | 118 | 95  | 82  | 82  | 94  | 116 | 142 | 163 | 175 | 176 | 164 | 143 | 120 | 100 | 90  | 91  | 104 | 127 | 3227 | 134.5 |   | 1:58  | 191 | 14:31 | 177  | *  | *  | *    | *   | 8:32  | 80  | 20:24 | 89  | *  | *  | *  | *  |
| 10 | 155  | 179 | 196 | 200 | 190 | 166 | 134 | 101 | 74  | 60  | 63  | 82  | 113 | 147 | 176 | 192 | 193 | 179 | 153 | 125 | 101 | 88  | 90  | 106 | 3263 | 136.0 |   | 2:48  | 200 | 15:34 | 195  | *  | *  | *    | *   | 9:20  | 59  | 21:23 | 87  | *  | *  | *  | *  |
| 11 | 133  | 165 | 192 | 208 | 209 | 192 | 159 | 118 | 78  | 49  | 37  | 46  | 75  | 115 | 158 | 192 | 211 | 210 | 191 | 159 | 126 | 99  | 86  | 90  | 3298 | 137.4 |   | 3:32  | 211 | 16:28 | 213  | *  | *  | *    | *   | 10: 4 | 37  | 22:16 | 86  | *  | *  | *  | *  |
| 12 | 111  | 143 | 178 | 206 | 220 | 214 | 188 | 146 | 97  | 54  | 25  | 18  | 35  | 73  | 123 | 172 | 210 | 228 | 223 | 198 | 161 | 124 | 96  | 85  | 3328 | 138.7 |   | 4:14  | 220 | 17:17 | 229  | *  | *  | *    | *   | 10:48 | 18  | 23: 5 | 85  | *  | *  | *  | *  |
| 13 | 94   | 120 | 157 | 193 | 219 | 228 | 214 | 179 | 129 | 76  | 32  | 6   | 5   | 31  | 78  | 134 | 186 | 224 | 239 | 229 | 199 | 158 | 120 | 94  | 3344 | 139.3 |   | 4:54  | 228 | 18: 6 | 240  | *  | *  | *    | *   | 11:32 | 2   | 23:51 | 87  | *  | *  | *  | *  |
| 14 | 87   | 101 | 132 | 171 | 206 | 228 | 230 | 209 | 166 | 111 | 57  | 15  | -6  | 0   | 34  | 87  | 146 | 199 | 234 | 244 | 229 | 194 | 152 | 116 | 3342 | 139.3 | N | 5:35  | 232 | 18:53 | #244 | *  | *  | *    | *   | 12:17 | -7  | *     | *   | *  | *  | *  | *  |
| 15 | 94   | 92  | 110 | 145 | 183 | 215 | 232 | 227 | 198 | 151 | 95  | 43  | 6   | -9  | 4   | 44  | 99  | 158 | 207 | 237 | 242 | 222 | 185 | 145 | 3325 | 138.5 |   | 6:17  | 233 | 19:41 | 243  | *  | *  | *    | *   | 0:36  | 90  | 13: 2 | #-9 | *  | *  | *  | *  |
| 16 | 113  | 96  | 99  | 121 | 156 | 191 | 218 | 228 | 218 | 186 | 138 | 84  | 37  | 5   | -3  | 16  | 58  | 112 | 167 | 211 | 234 | 233 | 210 | 175 | 3303 | 137.6 |   | 7: 1  | 228 | 20:28 | 237  | *  | *  | *    | *   | 1:21  | 94  | 13:48 | -3  | *  | *  | *  | *  |
| 17 | 138  | 111 | 100 | 107 | 131 | 163 | 193 | 214 | 219 | 205 | 172 | 127 | 79  | 38  | 14  | 12  | 34  | 75  | 125 | 173 | 210 | 227 | 221 | 197 | 3285 | 136.9 |   | 7:48  | 219 | 21:15 | 227  | *  | *  | *    | *   | 2: 6  | 99  | 14:35 | 10  | *  | *  | *  | *  |
| 18 | 164  | 133 | 111 | 105 | 114 | 136 | 163 | 188 | 204 | 206 | 192 | 161 | 121 | 80  | 47  | 29  | 31  | 54  | 92  | 136 | 177 | 205 | 216 | 208 | 3273 | 136.4 |   | 8:39  | 207 | 22: 3 | 216  | *  | *  | *    | *   | 2:54  | 104 | 15:23 | 27  | *  | *  | *  | *  |
| 19 | 185  | 156 | 130 | 113 | 108 | 117 | 134 | 157 | 177 | 190 | 192 | 179 | 154 | 121 | 88  | 61  | 49  | 53  | 74  | 107 | 144 | 177 | 200 | 206 | 3272 | 136.3 |   | 9:39  | 193 | 22:54 | 206  | *  | *  | *    | *   | 3:50  | 108 | 16:16 | 48  | *  | *  | *  | *  |
| 20 | 197  | 176 | 151 | 129 | 114 | 108 | 114 | 127 | 145 | 163 | 175 | 179 | 171 | 152 | 127 | 100 | 79  | 69  | 73  | 91  | 118 | 150 | 177 | 194 | 3279 | 136.6 | U | 10:51 | 179 | 23:48 | 199  | *  | *  | *    | *   | 5: 0  | 108 | 17:14 | 69  | *  | *  | *  | *  |
| 21 | 199  | 190 | 171 | 149 | 128 | 112 | 103 | 105 | 115 | 130 | 148 | 163 | 171 | 169 | 156 | 137 | 115 | 96  | 87  | 89  | 103 | 127 | 153 | 176 | 3292 | 137.2 |   | 12:17 | 172 | *     | *    | *  | *  | 6:22 | 103 | 18:19 | 86  | *     | *   | *  | *  |    |    |
| 22 | 191  | 195 | 187 | 170 | 147 | 124 | 105 | 93  | 91  | 100 | 117 | 137 | 157 | 170 | 173 | 165 | 149 | 129 | 110 | 99  | 100 | 112 | 132 | 156 | 3309 | 137.9 |   | 0:48  | 195 | 13:47 | 173  | *  | *  | *    | *   | 7:40  | 91  | 19:29 | 98  | *  | *  | *  | *  |
| 23 | 178  | 192 | 195 | 187 | 169 | 143 | 117 | 93  | 79  | 76  | 86  | 107 | 132 | 157 | 175 | 182 | 177 | 161 | 139 | 119 | 106 | 105 | 116 | 136 | 3327 | 138.6 |   | 1:48  | 196 | 15: 4 | 182  | *  | *  | *    | *   | 8:42  | 76  | 20:35 | 104 | *  | *  | *  | *  |
| 24 | 161  | 182 | 196 | 199 | 188 | 166 | 135 | 104 | 78  | 63  | 63  | 77  | 103 | 134 | 164 | 186 | 194 | 187 | 169 | 144 | 122 | 108 | 108 | 120 | 3351 | 139.6 |   | 2:42  | 199 | 16: 3 | 194  | *  | *  | *    | *   | 9:32  | 61  | 21:34 | 106 | *  | *  | *  | *  |
| 25 | 142  | 167 | 190 | 203 | 202 | 187 | 158 | 123 | 88  | 61  | 48  | 53  | 74  | 107 | 144 | 177 | 199 | 205 | 194 | 171 | 143 | 119 | 107 | 108 | 3370 | 140.4 |   | 3:29  | 204 | 16:51 | 206  | *  | *  | *    | *   | 10:15 | 48  | 22:23 | 105 | *  | *  | *  | *  |
| 26 | 124  | 150 | 177 | 199 | 209 | 203 | 181 | 146 | 106 | 69  | 45  | 38  | 49  | 78  | 117 | 159 | 193 | 212 | 213 | 196 | 167 | 136 | 113 | 104 | 3384 | 141.0 |   | 4: 9  | 209 | 17:32 | 215  | *  | *  | *    | *   | 10:54 | 37  | 23: 6 | 104 | *  | *  | *  | *  |
| 27 | 110  | 132 | 161 | 189 | 209 | 213 | 200 | 169 | 128 | 86  | 52  | 33  | 33  | 53  | 90  | 134 | 177 | 208 | 221 | 214 | 190 | 157 | 126 | 106 | 3391 | 141.3 |   | 4:45  | 214 | 18: 9 | 222  | *  | *  | *    | *   | 11:30 | 30  | 23:43 | 102 | *  | *  | *  | *  |
| 28 | 102  | 116 | 143 | 174 | 202 | 216 | 212 | 190 | 153 | 109 | 67  | 37  | 26  | 35  | 64  | 107 | 154 | 194 | 219 | 224 | 208 | 178 | 144 | 115 | 3389 | 141.2 | F | 5:19  | 217 | 18:43 | 225  | *  | *  | *    | *   | 12: 4 | 25  | *     | *   | *  | *  | *  | *  |
| 29 | 101  | 104 | 125 | 157 | 188 | 211 | 218 | 206 | 175 | 133 | 89  | 51  | 28  | 26  | 45  | 82  | 128 | 173 | 208 | 224 | 220 | 196 | 163 | 129 | 3380 | 140.8 |   | 5:52  | 218 | 19:17 | 225  | *  | *  | *    | *   | 0:18  | 100 | 12:37 | 24  | *  | *  | *  | *  |
| 30 | 106  | 99  | 111 | 138 | 171 | 200 | 216 | 214 | 193 | 157 | 113 | 71  | 40  | 26  | 33  | 61  | 103 | 149 | 189 | 216 | 223 | 209 | 180 | 146 | 3364 | 140.2 |   | 6:25  | 218 | 19:49 | 223  | *  | *  | *    | *   | 0:52  | 99  | 13: 9 | 26  | *  | *  | *  | *  |

| N   | Sum   | Mean  | 推算月最高潮位     |     |    | 推算月最低潮位    |    |    |
|-----|-------|-------|-------------|-----|----|------------|----|----|
|     |       |       | 起時          | 潮位  | 回数 | 起時         | 潮位 | 回数 |
| 720 | 98719 | 137.1 | 14日 18時 53分 | 244 | 1  | 15日 13時 2分 | -9 | 1  |







## 推算潮位 (毎時・満干潮)

地点名: 四日市港

緯度: 34 °58 N

経度: 136 °38 E

潮位表基準面の零点: 平均海面下 130.0(cm)

2018 年 9 月

| 日  | 毎時潮位 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 満潮   |       |   |       |     |       |      |    | 干潮 |      |    |       |     |       |     |    |    |   |   |
|----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|---|-------|-----|-------|------|----|----|------|----|-------|-----|-------|-----|----|----|---|---|
|    | 0    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 日合計  | 日平均   | 月 | 時刻    | 潮位  | 時刻    | 潮位   | 時刻 | 潮位 | 時刻   | 潮位 | 時刻    | 潮位  | 時刻    | 潮位  | 時刻 | 潮位 |   |   |
| 1  | 136  | 100 | 75  | 67  | 77  | 102 | 136 | 170 | 196 | 208 | 202 | 180 | 148 | 117 | 94  | 86  | 95  | 117 | 148 | 178 | 201 | 212 | 207 | 187 | 3439 | 143.3 |   | 9:12  | 208 | 21:12 | 212  | *  | *  | *    | *  | 2:58  | 67  | 14:59 | 86  | *  | *  | * | * |
| 2  | 156  | 121 | 93  | 75  | 72  | 84  | 107 | 137 | 165 | 186 | 195 | 189 | 171 | 146 | 123 | 109 | 107 | 118 | 137 | 161 | 183 | 198 | 201 | 193 | 3427 | 142.8 |   | 10:6  | 195 | 21:49 | 202  | *  | *  | *    | *  | 3:42  | 71  | 15:39 | 106 | *  | *  | * | * |
| 3  | 172  | 145 | 117 | 93  | 79  | 77  | 86  | 105 | 129 | 154 | 174 | 183 | 181 | 170 | 153 | 138 | 129 | 128 | 134 | 147 | 163 | 178 | 188 | 190 | 3413 | 142.2 | L | 11:18 | 184 | 22:42 | 190  | *  | *  | *    | *  | 4:43  | 76  | 16:39 | 127 | *  | *  | * | * |
| 4  | 182  | 166 | 144 | 121 | 100 | 84  | 77  | 81  | 94  | 116 | 140 | 161 | 176 | 181 | 178 | 169 | 158 | 148 | 142 | 141 | 146 | 156 | 168 | 178 | 3407 | 142.0 |   | 13:6  | 181 | *     | *    | *  | *  | 6:11 | 77 | 18:36 | 141 | *     | *   | *  | *  |   |   |
| 5  | 183  | 180 | 171 | 154 | 131 | 107 | 86  | 72  | 69  | 78  | 99  | 125 | 153 | 175 | 190 | 194 | 188 | 175 | 160 | 146 | 137 | 136 | 143 | 156 | 3408 | 142.0 |   | 0:13  | 183 | 14:55 | 194  | *  | *  | *    | *  | 7:45  | 68  | 20:37 | 135 | *  | *  | * | * |
| 6  | 171  | 183 | 188 | 184 | 169 | 143 | 112 | 82  | 60  | 52  | 60  | 83  | 115 | 151 | 183 | 205 | 213 | 206 | 187 | 162 | 139 | 123 | 120 | 128 | 3419 | 142.5 |   | 2:7   | 188 | 16:0  | 213  | *  | *  | *    | *  | 9:1   | 52  | 21:48 | 119 | *  | *  | * | * |
| 7  | 147  | 170 | 191 | 204 | 203 | 184 | 152 | 111 | 73  | 45  | 34  | 44  | 72  | 114 | 160 | 199 | 225 | 230 | 216 | 187 | 153 | 123 | 104 | 101 | 3442 | 143.4 |   | 3:25  | 205 | 16:47 | 231  | *  | *  | *    | *  | 10:2  | 34  | 22:39 | 100 | *  | *  | * | * |
| 8  | 116  | 144 | 177 | 207 | 223 | 220 | 196 | 154 | 105 | 60  | 30  | 20  | 35  | 72  | 123 | 176 | 218 | 242 | 241 | 216 | 177 | 135 | 101 | 83  | 3471 | 144.6 |   | 4:23  | 224 | 17:27 | 244  | *  | *  | *    | *  | 10:54 | 20  | 23:22 | 82  | *  | *  | * | * |
| 9  | 87   | 111 | 149 | 190 | 224 | 240 | 232 | 200 | 150 | 95  | 48  | 19  | 15  | 38  | 84  | 142 | 197 | 237 | 252 | 240 | 204 | 157 | 112 | 79  | 3502 | 145.9 |   | 5:12  | 240 | 18:4  | 252  | *  | *  | *    | *  | 11:39 | #13 | *     | *   | *  | *  | * | * |
| 10 | 66   | 79  | 113 | 160 | 205 | 238 | 250 | 235 | 195 | 140 | 84  | 39  | 16  | 21  | 54  | 107 | 167 | 217 | 248 | 252 | 228 | 183 | 132 | 88  | 3517 | 146.5 | N | 5:57  | 250 | 18:38 | #254 | *  | *  | *    | *  | 0:1   | 66  | 12:20 | 14  | *  | *  | * | * |
| 11 | 60   | 57  | 80  | 123 | 173 | 217 | 246 | 250 | 227 | 182 | 127 | 74  | 37  | 24  | 40  | 81  | 137 | 191 | 233 | 251 | 241 | 206 | 156 | 106 | 3519 | 146.6 |   | 6:40  | 252 | 19:10 | 251  | *  | *  | *    | *  | 0:38  | 55  | 12:58 | 24  | *  | *  | * | * |
| 12 | 68   | 50  | 57  | 89  | 136 | 184 | 224 | 244 | 241 | 212 | 166 | 114 | 70  | 45  | 44  | 69  | 114 | 166 | 211 | 238 | 242 | 220 | 179 | 129 | 3512 | 146.3 |   | 7:22  | 246 | 19:39 | 244  | *  | *  | *    | *  | 1:13  | 49  | 13:32 | 41  | *  | *  | * | * |
| 13 | 85   | 57  | 50  | 67  | 103 | 148 | 191 | 222 | 234 | 223 | 192 | 149 | 106 | 74  | 61  | 72  | 103 | 146 | 189 | 220 | 234 | 224 | 194 | 151 | 3495 | 145.6 |   | 8:3   | 234 | 20:6  | 234  | *  | *  | *    | *  | 1:47  | 49  | 14:4  | 61  | *  | *  | * | * |
| 14 | 107  | 73  | 55  | 58  | 81  | 117 | 157 | 191 | 213 | 218 | 203 | 173 | 137 | 106 | 86  | 85  | 103 | 134 | 170 | 201 | 219 | 220 | 201 | 168 | 3476 | 144.8 |   | 8:44  | 218 | 20:32 | 222  | *  | *  | *    | *  | 2:21  | 54  | 14:34 | 83  | *  | *  | * | * |
| 15 | 130  | 94  | 70  | 62  | 72  | 95  | 127 | 159 | 185 | 199 | 199 | 184 | 159 | 133 | 113 | 105 | 111 | 130 | 156 | 182 | 201 | 208 | 200 | 179 | 3453 | 143.9 |   | 9:28  | 201 | 20:59 | 208  | *  | *  | *    | *  | 2:57  | 62  | 15:5  | 105 | *  | *  | * | * |
| 16 | 148  | 117 | 91  | 77  | 75  | 86  | 106 | 130 | 155 | 174 | 184 | 182 | 171 | 154 | 138 | 127 | 125 | 133 | 148 | 166 | 182 | 192 | 192 | 181 | 3434 | 143.1 |   | 10:22 | 184 | 21:30 | 193  | *  | *  | *    | *  | 3:38  | 74  | 15:42 | 125 | *  | *  | * | * |
| 17 | 162  | 138 | 115 | 97  | 88  | 87  | 95  | 109 | 127 | 146 | 161 | 170 | 172 | 167 | 158 | 149 | 143 | 142 | 145 | 153 | 164 | 173 | 178 | 176 | 3415 | 142.3 | U | 11:41 | 172 | 22:16 | 178  | *  | *  | *    | *  | 4:34  | 86  | 16:47 | 141 | *  | *  | * | * |
| 18 | 168  | 154 | 138 | 121 | 108 | 98  | 94  | 96  | 105 | 119 | 135 | 151 | 163 | 170 | 172 | 169 | 163 | 156 | 149 | 147 | 148 | 153 | 159 | 164 | 3400 | 141.7 |   | 13:52 | 172 | 23:53 | 166  | *  | *  | *    | *  | 6:9   | 94  | 19:12 | 146 | *  | *  | * | * |
| 19 | 166  | 163 | 156 | 145 | 132 | 117 | 103 | 94  | 91  | 97  | 109 | 127 | 146 | 164 | 177 | 184 | 182 | 173 | 160 | 147 | 138 | 135 | 139 | 147 | 3392 | 141.3 |   | 15:18 | 184 | *     | *    | *  | *  | 7:50 | 91 | 20:53 | 135 | *     | *   | *  | *  |   |   |
| 20 | 157  | 165 | 169 | 166 | 157 | 140 | 120 | 101 | 86  | 81  | 86  | 102 | 124 | 150 | 174 | 191 | 197 | 192 | 176 | 154 | 134 | 122 | 119 | 127 | 3390 | 141.3 |   | 2:9   | 169 | 16:1  | 197  | *  | *  | *    | *  | 9:0   | 81  | 21:45 | 119 | *  | *  | * | * |
| 21 | 141  | 159 | 174 | 182 | 179 | 166 | 143 | 116 | 91  | 74  | 69  | 79  | 100 | 130 | 163 | 190 | 207 | 208 | 193 | 168 | 139 | 116 | 104 | 106 | 3397 | 141.5 |   | 3:18  | 182 | 16:34 | 210  | *  | *  | *    | *  | 9:50  | 69  | 22:21 | 103 | *  | *  | * | * |
| 22 | 121  | 145 | 170 | 189 | 197 | 190 | 169 | 137 | 104 | 76  | 60  | 60  | 77  | 108 | 146 | 182 | 209 | 220 | 211 | 185 | 150 | 117 | 94  | 87  | 3404 | 141.8 |   | 4:3   | 197 | 17:2  | 220  | *  | *  | *    | *  | 10:30 | 58  | 22:53 | 87  | *  | *  | * | * |
| 23 | 99   | 124 | 157 | 188 | 207 | 210 | 195 | 163 | 124 | 87  | 60  | 49  | 58  | 85  | 125 | 168 | 204 | 225 | 225 | 203 | 166 | 126 | 93  | 75  | 3416 | 142.3 |   | 4:40  | 211 | 17:29 | 228  | *  | *  | *    | *  | 11:4  | 49  | 23:23 | 73  | *  | *  | * | * |
| 24 | 77   | 100 | 137 | 176 | 208 | 223 | 217 | 191 | 150 | 107 | 70  | 48  | 46  | 66  | 104 | 150 | 193 | 224 | 234 | 219 | 185 | 141 | 99  | 69  | 3434 | 143.1 |   | 5:14  | 224 | 17:55 | 234  | *  | *  | *    | *  | 11:35 | 44  | 23:52 | 60  | *  | *  | * | * |
| 25 | 61   | 76  | 111 | 156 | 198 | 226 | 233 | 216 | 179 | 133 | 88  | 56  | 42  | 52  | 84  | 130 | 178 | 216 | 236 | 232 | 204 | 159 | 112 | 73  | 3451 | 143.8 | F | 5:48  | 233 | 18:20 | 237  | *  | *  | *    | *  | 12:5  | 42  | *     | *   | *  | *  | * | * |
| 26 | 52   | 55  | 83  | 128 | 177 | 216 | 237 | 234 | 206 | 162 | 114 | 73  | 49  | 47  | 69  | 110 | 159 | 202 | 231 | 237 | 219 | 179 | 130 | 84  | 3453 | 143.9 |   | 6:22  | 239 | 18:46 | 238  | *  | *  | *    | *  | 0:22  | 50  | 12:35 | 45  | *  | *  | * | * |
| 27 | 52   | 43  | 59  | 98  | 148 | 195 | 228 | 240 | 226 | 191 | 144 | 98  | 65  | 52  | 62  | 95  | 140 | 185 | 220 | 235 | 228 | 197 | 151 | 102 | 3454 | 143.9 |   | 6:58  | 240 | 19:11 | 236  | *  | *  | *    | *  | 0:53  | 43  | 13:4  | 52  | *  | *  | * | * |
| 28 | 62   | 41  | 44  | 71  | 116 | 165 | 207 | 232 | 234 | 212 | 173 | 128 | 90  | 67  | 66  | 86  | 124 | 167 | 204 | 226 | 229 | 209 | 171 | 124 | 3448 | 143.7 |   | 7:36  | 236 | 19:37 | 230  | *  | *  | *    | *  | 1:24  | 39  | 13:34 | 63  | *  | *  | * | * |
| 29 | 80   | 50  | 39  | 53  | 86  | 131 | 176 | 210 | 227 | 221 | 196 | 158 | 119 | 90  | 79  | 87  | 114 | 150 | 185 | 211 | 222 | 213 | 186 | 146 | 3429 | 142.9 |   | 8:16  | 227 | 20:4  | 222  | *  | *  | *    | *  | 1:57  | 39  | 14:5  | 79  | *  | *  | * | * |
| 30 | 103  | 68  | 47  | 46  | 66  | 100 | 141 | 179 | 205 | 215 | 206 | 181 | 148 | 118 | 100 | 98  | 112 | 137 | 167 | 193 | 208 | 209 | 194 | 165 | 3406 | 141.9 |   | 9:1   | 215 | 20:34 | 210  | *  | *  | *    | *  | 2:33  | 44  | 14:38 | 97  | *  | *  | * | * |

| N   | Sum    | Mean  | 推算月最高潮位   |     |    | 推算月最低潮位  |    |    |
|-----|--------|-------|-----------|-----|----|----------|----|----|
|     |        |       | 起時        | 潮位  | 回数 | 起時       | 潮位 | 回数 |
| 720 | 103223 | 143.4 | 10日18時38分 | 254 | 1  | 9日11時39分 | 13 | 1  |

推算潮位 ( 毎時・満干潮 )

地点名 : 四日市港

緯度 : 34 °58 N

経度 : 136 °38 E

潮位表基準面の零点 : 平均海面下 130.0(cm)

2018 年 10 月

| 日  | 毎時潮位 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 満潮  |      |       |   |       |      |       | 干潮  |    |    |      |    |       |      |       |     |    |    |    |    |
|----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|---|-------|------|-------|-----|----|----|------|----|-------|------|-------|-----|----|----|----|----|
|    | 0    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 日合計  | 日平均   | 月 | 時刻    | 潮位   | 時刻    | 潮位  | 時刻 | 潮位 | 時刻   | 潮位 | 時刻    | 潮位   | 時刻    | 潮位  | 時刻 | 潮位 | 時刻 | 潮位 |
| 1  | 128  | 93  | 66  | 54  | 58  | 77  | 108 | 142 | 173 | 194 | 200 | 191 | 171 | 147 | 127 | 117 | 119 | 132 | 152 | 173 | 189 | 196 | 192 | 176 | 3375 | 140.6 |   | 9:55  | 200  | 21:10 | 196 | *  | *  | *    | *  | 3:16  | 53   | 15:19 | 117 | *  | *  | *  | *  |
| 2  | 151  | 122 | 94  | 74  | 65  | 68  | 83  | 107 | 135 | 161 | 179 | 187 | 183 | 170 | 155 | 143 | 136 | 136 | 143 | 154 | 167 | 176 | 181 | 178 | 3348 | 139.5 | L | 11: 7 | 187  | 22: 7 | 181 | *  | *  | *    | *  | 4:15  | 65   | 16:25 | 135 | *  | *  | *  | *  |
| 3  | 167  | 149 | 127 | 106 | 87  | 76  | 73  | 81  | 98  | 122 | 146 | 167 | 179 | 183 | 179 | 170 | 159 | 150 | 144 | 142 | 145 | 152 | 160 | 167 | 3329 | 138.7 |   | 12:56 | 183  | *     | *   | *  | *  | 5:45 | 73 | 18:52 | 142  | *     | *   | *  | *  |    |    |
| 4  | 171  | 168 | 159 | 142 | 122 | 100 | 81  | 71  | 71  | 84  | 107 | 134 | 160 | 180 | 192 | 194 | 186 | 172 | 154 | 139 | 129 | 127 | 133 | 145 | 3321 | 138.4 |   | 0: 6  | 171  | 14:40 | 195 | *  | *  | *    | *  | 7:26  | 69   | 20:44 | 126 | *  | *  | *  | *  |
| 5  | 160  | 174 | 180 | 177 | 162 | 137 | 107 | 80  | 62  | 58  | 70  | 95  | 128 | 162 | 191 | 208 | 210 | 198 | 175 | 147 | 122 | 107 | 104 | 115 | 3329 | 138.7 |   | 2:12  | 180  | 15:39 | 211 | *  | *  | *    | *  | 8:45  | 57   | 21:42 | 104 | *  | *  | *  | *  |
| 6  | 137  | 163 | 186 | 200 | 198 | 179 | 146 | 108 | 73  | 50  | 45  | 59  | 91  | 133 | 175 | 208 | 225 | 222 | 200 | 166 | 129 | 99  | 82  | 84  | 3358 | 139.9 |   | 3:25  | 201  | 16:21 | 227 | *  | *  | *    | *  | 9:45  | 44   | 22:25 | 81  | *  | *  | *  | *  |
| 7  | 104  | 137 | 173 | 204 | 221 | 216 | 190 | 148 | 102 | 62  | 39  | 37  | 58  | 98  | 148 | 194 | 227 | 238 | 225 | 191 | 146 | 104 | 72  | 60  | 3394 | 141.4 |   | 4:18  | 222  | 16:58 | 238 | *  | *  | *    | *  | 10:35 | 35   | 23: 3 | 60  | *  | *  | *  | *  |
| 8  | 70   | 102 | 145 | 190 | 224 | 238 | 226 | 192 | 143 | 92  | 53  | 33  | 38  | 69  | 117 | 170 | 215 | 241 | 242 | 216 | 171 | 120 | 76  | 49  | 3432 | 143.0 |   | 5: 4  | 238  | 17:31 | 245 | *  | *  | *    | *  | 11:18 | 32   | 23:39 | 43  | *  | *  | *  | *  |
| 9  | 45   | 67  | 109 | 160 | 207 | 238 | 246 | 226 | 184 | 132 | 82  | 48  | 36  | 51  | 90  | 143 | 194 | 232 | 247 | 234 | 196 | 144 | 92  | 52  | 3455 | 144.0 | N | 5:47  | 247  | 18: 3 | 247 | *  | *  | *    | *  | 11:57 | 36   | *     | *   | *  | *  | *  | *  |
| 10 | 33   | 40  | 73  | 123 | 177 | 221 | 245 | 244 | 217 | 171 | 119 | 75  | 50  | 49  | 74  | 119 | 171 | 214 | 240 | 241 | 215 | 168 | 115 | 67  | 3461 | 144.2 |   | 6:28  | #248 | 18:31 | 244 | *  | *  | *    | *  | 0:14  | 32   | 12:32 | 46  | *  | *  | *  | *  |
| 11 | 36   | 28  | 47  | 88  | 141 | 191 | 228 | 243 | 233 | 200 | 154 | 108 | 74  | 60  | 71  | 104 | 150 | 194 | 226 | 237 | 224 | 188 | 139 | 89  | 3453 | 143.9 |   | 7: 7  | 244  | 18:58 | 237 | *  | *  | *    | *  | 0:47  | 27   | 13: 5 | 60  | *  | *  | *  | *  |
| 12 | 49   | 30  | 34  | 62  | 107 | 156 | 199 | 227 | 233 | 216 | 181 | 139 | 102 | 80  | 78  | 98  | 134 | 175 | 208 | 227 | 224 | 200 | 159 | 112 | 3430 | 142.9 |   | 7:46  | 234  | 19:24 | 228 | *  | *  | *    | *  | 1:19  | 28   | 13:35 | 76  | *  | *  | *  | *  |
| 13 | 70   | 42  | 35  | 49  | 82  | 125 | 167 | 201 | 219 | 217 | 196 | 164 | 129 | 103 | 93  | 101 | 125 | 158 | 189 | 211 | 217 | 204 | 174 | 134 | 3405 | 141.9 |   | 8:24  | 220  | 19:49 | 217 | *  | *  | *    | *  | 1:51  | 34   | 14: 5 | 93  | *  | *  | *  | *  |
| 14 | 94   | 62  | 46  | 48  | 68  | 100 | 137 | 171 | 196 | 205 | 198 | 178 | 151 | 127 | 111 | 110 | 123 | 146 | 171 | 192 | 203 | 199 | 180 | 151 | 3367 | 140.3 |   | 9: 5  | 205  | 20:15 | 203 | *  | *  | *    | *  | 2:23  | 45   | 14:36 | 109 | *  | *  | *  | *  |
| 15 | 117  | 86  | 65  | 58  | 66  | 86  | 113 | 143 | 169 | 186 | 190 | 182 | 166 | 147 | 131 | 124 | 127 | 139 | 156 | 173 | 185 | 188 | 179 | 160 | 3336 | 139.0 |   | 9:51  | 190  | 20:46 | 188 | *  | *  | *    | *  | 2:59  | 58   | 15:13 | 123 | *  | *  | *  | *  |
| 16 | 136  | 110 | 89  | 76  | 74  | 81  | 97  | 119 | 141 | 161 | 174 | 177 | 172 | 162 | 150 | 141 | 136 | 138 | 145 | 155 | 164 | 171 | 170 | 162 | 3301 | 137.5 |   | 10:53 | 177  | 21:28 | 171 | *  | *  | *    | *  | 3:43  | 73   | 16:12 | 136 | *  | *  | *  | *  |
| 17 | 148  | 131 | 114 | 99  | 90  | 87  | 91  | 102 | 117 | 135 | 152 | 164 | 170 | 171 | 166 | 159 | 151 | 144 | 141 | 141 | 144 | 150 | 155 | 156 | 3278 | 136.6 | U | 12:34 | 171  | 22:54 | 156 | *  | *  | *    | *  | 4:54  | 87   | 18:29 | 140 | *  | *  | *  | *  |
| 18 | 154  | 147 | 136 | 124 | 112 | 101 | 94  | 93  | 99  | 111 | 127 | 145 | 160 | 171 | 177 | 175 | 168 | 157 | 144 | 133 | 127 | 128 | 134 | 142 | 3259 | 135.8 |   | 14:19 | 177  | *     | *   | *  | *  | 6:41 | 93 | 20:22 | 127  | *     | *   | *  | *  |    |    |
| 19 | 150  | 155 | 154 | 148 | 137 | 122 | 106 | 93  | 88  | 91  | 103 | 122 | 144 | 164 | 180 | 188 | 185 | 173 | 154 | 133 | 117 | 109 | 112 | 123 | 3251 | 135.5 |   | 1:27  | 155  | 15:15 | 188 | *  | *  | *    | *  | 8: 8  | 88   | 21:15 | 109 | *  | *  | *  | *  |
| 20 | 138  | 154 | 166 | 169 | 162 | 147 | 125 | 103 | 86  | 78  | 83  | 99  | 123 | 151 | 177 | 195 | 200 | 190 | 169 | 140 | 114 | 95  | 90  | 99  | 3253 | 135.5 |   | 2:51  | 169  | 15:51 | 200 | *  | *  | *    | *  | 9: 7  | 78   | 21:52 | 90  | *  | *  | *  | *  |
| 21 | 119  | 144 | 168 | 183 | 185 | 173 | 150 | 120 | 93  | 74  | 68  | 78  | 101 | 133 | 167 | 195 | 210 | 207 | 187 | 154 | 118 | 89  | 73  | 75  | 3264 | 136.0 |   | 3:40  | 186  | 16:21 | 211 | *  | *  | *    | *  | 9:52  | 68   | 22:24 | 71  | *  | *  | *  | *  |
| 22 | 94   | 125 | 160 | 188 | 202 | 199 | 178 | 145 | 109 | 79  | 62  | 62  | 81  | 113 | 152 | 189 | 213 | 220 | 205 | 172 | 130 | 91  | 63  | 54  | 3286 | 136.9 |   | 4:19  | 203  | 16:48 | 220 | *  | *  | *    | *  | 10:30 | 60   | 22:54 | 54  | *  | *  | *  | *  |
| 23 | 67   | 99  | 141 | 181 | 209 | 218 | 206 | 175 | 134 | 95  | 66  | 55  | 64  | 92  | 133 | 176 | 210 | 227 | 221 | 193 | 149 | 101 | 62  | 40  | 3314 | 138.1 |   | 4:56  | 218  | 17:15 | 228 | *  | *  | *    | *  | 11: 4 | 55   | 23:25 | 38  | *  | *  | *  | *  |
| 24 | 42   | 68  | 112 | 161 | 203 | 227 | 228 | 205 | 165 | 120 | 81  | 57  | 55  | 75  | 113 | 159 | 200 | 227 | 232 | 212 | 170 | 119 | 71  | 37  | 3339 | 139.1 |   | 5:32  | 231  | 17:42 | 233 | *  | *  | *    | *  | 11:37 | 53   | 23:57 | 25  | *  | *  | *  | *  |
| 25 | 25   | 40  | 79  | 131 | 183 | 222 | 238 | 229 | 197 | 151 | 106 | 71  | 56  | 64  | 94  | 139 | 184 | 219 | 234 | 226 | 192 | 142 | 89  | 44  | 3355 | 139.8 | F | 6: 9  | 239  | 18: 9 | 235 | *  | *  | *    | *  | 12:10 | 55   | *     | *   | *  | *  | *  | *  |
| 26 | 19   | 19  | 47  | 96  | 152 | 201 | 233 | 241 | 222 | 183 | 136 | 95  | 68  | 63  | 82  | 120 | 164 | 204 | 228 | 231 | 209 | 167 | 114 | 63  | 3357 | 139.9 |   | 6:47  | 241  | 18:37 | 233 | *  | *  | *    | *  | 0:29  | 16   | 12:43 | 62  | *  | *  | *  | *  |
| 27 | 26   | 12  | 24  | 61  | 114 | 168 | 212 | 236 | 235 | 209 | 168 | 125 | 91  | 74  | 79  | 106 | 145 | 185 | 214 | 227 | 218 | 187 | 140 | 89  | 3345 | 139.4 |   | 7:27  | 238  | 19: 6 | 227 | *  | *  | *    | *  | 1: 3  | # 12 | 13:16 | 73  | *  | *  | *  | *  |
| 28 | 46   | 19  | 15  | 37  | 78  | 130 | 178 | 214 | 230 | 222 | 194 | 155 | 119 | 94  | 87  | 100 | 129 | 164 | 195 | 214 | 216 | 198 | 163 | 118 | 3315 | 138.1 |   | 8:10  | 230  | 19:36 | 217 | *  | *  | *    | *  | 1:39  | 14   | 13:50 | 87  | *  | *  | *  | *  |
| 29 | 74   | 40  | 23  | 27  | 53  | 93  | 139 | 180 | 208 | 217 | 206 | 180 | 148 | 120 | 105 | 105 | 121 | 146 | 173 | 194 | 204 | 198 | 178 | 145 | 3277 | 136.5 |   | 8:57  | 217  | 20:10 | 204 | *  | *  | *    | *  | 2:18  | 22   | 14:28 | 103 | *  | *  | *  | *  |
| 30 | 106  | 70  | 45  | 35  | 43  | 67  | 102 | 141 | 174 | 196 | 202 | 192 | 171 | 147 | 128 | 119 | 122 | 134 | 152 | 170 | 183 | 187 | 180 | 162 | 3228 | 134.5 |   | 9:51  | 202  | 20:53 | 188 | *  | *  | *    | *  | 3: 4  | 35   | 15:16 | 118 | *  | *  | *  | *  |
| 31 | 135  | 105 | 77  | 58  | 50  | 57  | 76  | 104 | 135 | 163 | 183 | 189 | 184 | 170 | 153 | 139 | 132 | 131 | 137 | 147 | 158 | 167 | 170 | 167 | 3187 | 132.8 |   | 11: 1 | 189  | 22: 3 | 170 | *  | *  | *    | *  | 4: 3  | 50   | 16:34 | 131 | *  | *  | *  | *  |

| N<br>総回数 | Sum<br>推算月合計 | Mean<br>推算月平均 | 推算月最高潮位  |     |    | 推算月最低潮位 |    |    |
|----------|--------------|---------------|----------|-----|----|---------|----|----|
|          |              |               | 起時       | 潮位  | 回数 | 起時      | 潮位 | 回数 |
| 744      | 103402       | 139.0         | 10日6時28分 | 248 | 1  | 27日1時3分 | 12 | 1  |

### 推算潮位（毎時・満干潮）

地点名：四日市港

緯度：34 °58 N

経度：136 °38 E

潮位表基準面の零点：平均海面下 130.0(cm)

2018年 11月

| 日  | 毎時潮位 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 日合計  | 日平均   | 月 | 満潮    |      |       |     |    |    |      |    | 干潮    |      |       |     |    |    |    |    |
|----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|---|-------|------|-------|-----|----|----|------|----|-------|------|-------|-----|----|----|----|----|
|    | 0    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  |      |       |   | 時刻    | 潮位   | 時刻    | 潮位  | 時刻 | 潮位 | 時刻   | 潮位 | 時刻    | 潮位   | 時刻    | 潮位  | 時刻 | 潮位 | 時刻 | 潮位 |
| 1  | 155  | 137 | 115 | 92  | 74  | 65  | 65  | 77  | 99  | 126 | 152 | 172 | 183 | 184 | 176 | 163 | 150 | 138 | 130 | 128 | 131 | 139 | 149 | 157 | 3157 | 131.5 | L | 12:34 | 185  | *     | *   | *  | *  | *    | *  | 5:27  | 63   | 18:55 | 128 | *  | *  | *  | *  |
| 2  | 162  | 159 | 149 | 132 | 110 | 89  | 73  | 67  | 73  | 91  | 117 | 144 | 169 | 185 | 191 | 186 | 173 | 154 | 134 | 118 | 109 | 110 | 119 | 134 | 3148 | 131.2 |   | 0:12  | 162  | 14:3  | 191 | *  | *  | *    | *  | 7:1   | 67   | 20:28 | 108 | *  | *  | *  | *  |
| 3  | 152  | 166 | 173 | 168 | 151 | 126 | 99  | 76  | 64  | 67  | 84  | 112 | 144 | 174 | 195 | 203 | 196 | 176 | 149 | 120 | 97  | 85  | 87  | 103 | 3167 | 132.0 |   | 2:5   | 173  | 15:3  | 203 | *  | *  | *    | *  | 8:19  | 63   | 21:21 | 84  | *  | *  | *  | *  |
| 4  | 128  | 156 | 179 | 191 | 187 | 167 | 135 | 101 | 73  | 59  | 62  | 82  | 115 | 152 | 186 | 209 | 214 | 200 | 171 | 133 | 97  | 71  | 60  | 69  | 3197 | 133.2 |   | 3:16  | 192  | 15:46 | 214 | *  | *  | *    | *  | 9:20  | 58   | 22:4  | 60  | *  | *  | *  | *  |
| 5  | 94   | 130 | 168 | 197 | 210 | 202 | 176 | 137 | 98  | 68  | 54  | 61  | 87  | 126 | 168 | 203 | 222 | 219 | 195 | 155 | 110 | 70  | 45  | 41  | 3236 | 134.8 |   | 4:9   | 210  | 16:23 | 224 | *  | *  | *    | *  | 10:11 | 54   | 22:42 | 40  | *  | *  | *  | *  |
| 6  | 59   | 96  | 141 | 184 | 215 | 224 | 210 | 176 | 133 | 91  | 63  | 54  | 68  | 101 | 145 | 188 | 219 | 229 | 216 | 180 | 131 | 82  | 44  | 26  | 3275 | 136.5 |   | 4:55  | 224  | 16:56 | 229 | *  | *  | *    | *  | 10:54 | 54   | 23:18 | 25  | *  | *  | *  | *  |
| 7  | 31   | 60  | 106 | 157 | 201 | 228 | 231 | 209 | 169 | 124 | 85  | 62  | 61  | 83  | 123 | 168 | 207 | 229 | 228 | 201 | 156 | 104 | 56  | 24  | 3303 | 137.6 |   | 5:37  | 233  | 17:27 | 232 | *  | *  | *    | *  | 11:33 | 58   | 23:52 | 15  | *  | *  | *  | *  |
| 8  | 15   | 31  | 71  | 123 | 175 | 215 | 235 | 229 | 200 | 157 | 113 | 80  | 65  | 74  | 105 | 147 | 189 | 220 | 230 | 216 | 179 | 128 | 77  | 35  | 3309 | 137.9 | N | 6:16  | #236 | 17:56 | 230 | *  | *  | *    | *  | 12:8  | 65   | *     | *   | *  | *  | *  | *  |
| 9  | 13   | 15  | 43  | 89  | 142 | 190 | 223 | 233 | 219 | 185 | 143 | 104 | 79  | 75  | 94  | 129 | 170 | 205 | 224 | 221 | 196 | 152 | 101 | 55  | 3300 | 137.5 |   | 6:55  | 234  | 18:23 | 226 | *  | *  | *    | *  | 0:25  | 10   | 12:41 | 74  | *  | *  | *  | *  |
| 10 | 22   | 12  | 26  | 61  | 110 | 160 | 201 | 224 | 224 | 203 | 168 | 129 | 99  | 84  | 90  | 116 | 152 | 187 | 211 | 218 | 204 | 170 | 125 | 78  | 3274 | 136.4 |   | 7:32  | 227  | 18:50 | 218 | *  | *  | *    | *  | 0:56  | 12   | 13:12 | 84  | *  | *  | *  | *  |
| 11 | 41   | 20  | 21  | 44  | 83  | 129 | 173 | 204 | 217 | 210 | 185 | 152 | 120 | 98  | 94  | 108 | 136 | 168 | 194 | 208 | 204 | 182 | 145 | 103 | 3239 | 135.0 |   | 8:8   | 218  | 19:17 | 209 | *  | *  | *    | *  | 1:28  | 17   | 13:43 | 93  | *  | *  | *  | *  |
| 12 | 64   | 37  | 27  | 37  | 65  | 103 | 144 | 179 | 201 | 206 | 193 | 168 | 139 | 115 | 104 | 107 | 125 | 150 | 175 | 192 | 196 | 185 | 159 | 124 | 3195 | 133.1 |   | 8:45  | 206  | 19:46 | 197 | *  | *  | *    | *  | 1:59  | 27   | 14:16 | 103 | *  | *  | *  | *  |
| 13 | 88   | 59  | 42  | 41  | 57  | 84  | 118 | 152 | 178 | 192 | 192 | 178 | 156 | 133 | 117 | 112 | 119 | 136 | 155 | 173 | 182 | 180 | 165 | 141 | 3150 | 131.3 |   | 9:26  | 194  | 20:20 | 183 | *  | *  | *    | *  | 2:33  | 40   | 14:54 | 112 | *  | *  | *  | *  |
| 14 | 111  | 84  | 63  | 54  | 58  | 74  | 99  | 127 | 153 | 173 | 182 | 179 | 167 | 150 | 134 | 123 | 121 | 127 | 138 | 151 | 162 | 167 | 162 | 149 | 3108 | 129.5 |   | 10:15 | 182  | 21:3  | 167 | *  | *  | *    | *  | 3:11  | 54   | 15:46 | 121 | *  | *  | *  | *  |
| 15 | 130  | 108 | 88  | 74  | 69  | 73  | 87  | 106 | 129 | 150 | 166 | 173 | 171 | 163 | 151 | 139 | 129 | 125 | 126 | 132 | 140 | 148 | 151 | 149 | 3077 | 128.2 | U | 11:19 | 173  | 22:12 | 152 | *  | *  | *    | *  | 4:2   | 69   | 17:17 | 125 | *  | *  | *  | *  |
| 16 | 141  | 128 | 113 | 98  | 87  | 81  | 83  | 92  | 108 | 126 | 145 | 160 | 169 | 170 | 165 | 155 | 143 | 131 | 121 | 117 | 118 | 125 | 133 | 141 | 3050 | 127.1 |   | 12:43 | 171  | *     | *   | *  | *  | 5:16 | 81 | 19:15 | 117  | *     | *   | *  | *  |    |    |
| 17 | 144  | 143 | 135 | 124 | 110 | 97  | 88  | 86  | 92  | 105 | 123 | 143 | 160 | 172 | 176 | 172 | 160 | 143 | 124 | 109 | 100 | 101 | 109 | 123 | 3039 | 126.6 |   | 0:12  | 144  | 14:0  | 176 | *  | *  | *    | *  | 6:48  | 86   | 20:26 | 99  | *  | *  | *  | *  |
| 18 | 138  | 149 | 153 | 148 | 137 | 120 | 103 | 89  | 84  | 88  | 102 | 122 | 146 | 167 | 181 | 185 | 178 | 159 | 134 | 108 | 88  | 79  | 83  | 99  | 3040 | 126.7 |   | 1:59  | 153  | 14:51 | 186 | *  | *  | *    | *  | 8:4   | 83   | 21:11 | 79  | *  | *  | *  | *  |
| 19 | 122  | 145 | 162 | 169 | 164 | 148 | 125 | 102 | 84  | 78  | 84  | 102 | 128 | 156 | 180 | 194 | 194 | 178 | 150 | 116 | 85  | 64  | 58  | 70  | 3058 | 127.4 |   | 3:5   | 169  | 15:29 | 196 | *  | *  | *    | *  | 9:2   | 78   | 21:48 | 58  | *  | *  | *  | *  |
| 20 | 96   | 129 | 160 | 181 | 187 | 177 | 154 | 124 | 96  | 77  | 72  | 83  | 107 | 140 | 172 | 197 | 206 | 198 | 171 | 132 | 91  | 57  | 39  | 41  | 3087 | 128.6 |   | 3:53  | 187  | 16:2  | 206 | *  | *  | *    | *  | 9:49  | 72   | 22:23 | 37  | *  | *  | *  | *  |
| 21 | 64   | 102 | 144 | 180 | 201 | 203 | 185 | 154 | 117 | 87  | 69  | 69  | 88  | 120 | 158 | 192 | 212 | 213 | 193 | 154 | 106 | 62  | 30  | 19  | 3122 | 130.1 |   | 4:35  | 205  | 16:34 | 216 | *  | *  | *    | *  | 10:30 | 67   | 22:58 | 18  | *  | *  | *  | *  |
| 22 | 32   | 67  | 115 | 164 | 201 | 219 | 214 | 187 | 148 | 109 | 79  | 65  | 72  | 99  | 138 | 178 | 209 | 222 | 212 | 179 | 131 | 78  | 33  | 7   | 3158 | 131.6 |   | 5:16  | 220  | 17:5  | 222 | *  | *  | *    | *  | 11:10 | 65   | 23:34 | 3   | *  | *  | *  | *  |
| 23 | 5    | 31  | 77  | 133 | 184 | 219 | 231 | 217 | 182 | 139 | 100 | 73  | 67  | 82  | 117 | 159 | 197 | 221 | 224 | 202 | 159 | 104 | 51  | 11  | 3185 | 132.7 | F | 5:57  | 231  | 17:37 | 226 | *  | *  | *    | *  | 11:48 | 66   | *     | *   | *  | *  | *  | *  |
| 24 | -7   | 2   | 38  | 92  | 151 | 200 | 230 | 234 | 212 | 173 | 129 | 93  | 73  | 74  | 98  | 136 | 178 | 210 | 225 | 217 | 186 | 136 | 80  | 30  | 3190 | 132.9 |   | 6:39  | #236 | 18:11 | 225 | *  | *  | *    | *  | 0:10  | -8   | 12:26 | 71  | *  | *  | *  | *  |
| 25 | -3   | -12 | 8   | 51  | 109 | 166 | 210 | 232 | 229 | 202 | 162 | 121 | 90  | 78  | 87  | 116 | 154 | 190 | 214 | 220 | 203 | 165 | 114 | 61  | 3167 | 132.0 |   | 7:22  | 234  | 18:45 | 221 | *  | *  | *    | *  | 0:49  | #-12 | 13:4  | 78  | *  | *  | *  | *  |
| 26 | 18   | -7  | -6  | 20  | 67  | 123 | 175 | 212 | 227 | 218 | 189 | 151 | 115 | 93  | 88  | 103 | 132 | 166 | 194 | 210 | 207 | 185 | 146 | 98  | 3124 | 130.2 |   | 8:7   | 227  | 19:23 | 211 | *  | *  | *    | *  | 1:29  | -10  | 13:44 | 87  | *  | *  | *  | *  |
| 27 | 51   | 16  | 0   | 7   | 37  | 82  | 133 | 177 | 207 | 216 | 204 | 176 | 143 | 115 | 99  | 100 | 116 | 142 | 169 | 189 | 198 | 191 | 168 | 132 | 3068 | 127.8 |   | 8:55  | 216  | 20:5  | 198 | *  | *  | *    | *  | 2:12  | 0    | 14:27 | 97  | *  | *  | *  | *  |
| 28 | 90   | 51  | 24  | 15  | 25  | 53  | 94  | 137 | 174 | 198 | 203 | 191 | 167 | 140 | 118 | 107 | 109 | 123 | 142 | 162 | 176 | 182 | 175 | 155 | 3011 | 125.5 |   | 9:47  | 204  | 20:57 | 182 | *  | *  | *    | *  | 3:0   | 15   | 15:20 | 107 | *  | *  | *  | *  |
| 29 | 125  | 91  | 61  | 40  | 33  | 42  | 67  | 101 | 137 | 168 | 187 | 192 | 181 | 162 | 141 | 123 | 113 | 113 | 120 | 133 | 147 | 159 | 165 | 162 | 2963 | 123.5 |   | 10:46 | 192  | 22:12 | 165 | *  | *  | *    | *  | 3:55  | 33   | 16:35 | 112 | *  | *  | *  | *  |
| 30 | 149  | 127 | 101 | 76  | 58  | 51  | 57  | 76  | 104 | 135 | 162 | 179 | 185 | 178 | 163 | 144 | 127 | 114 | 107 | 109 | 116 | 129 | 142 | 152 | 2941 | 122.5 | L | 11:55 | 185  | 23:57 | 156 | *  | *  | *    | *  | 5:3   | 51   | 18:21 | 107 | *  | *  | *  | *  |

| N   | Sum   | Mean  | 推算月最高潮位  |     |    | 推算月最低潮位  |     |    |
|-----|-------|-------|----------|-----|----|----------|-----|----|
|     |       |       | 起時       | 潮位  | 回数 | 起時       | 潮位  | 回数 |
| 720 | 94338 | 131.0 | 24日6時39分 | 236 | 2  | 25日0時49分 | -12 | 1  |

## 推算潮位（毎時・満干潮）

地点名：四日市港

緯度：34 °58 N

経度：136 °38 E

潮位表基準面の零点：平均海面下 130.0(cm)

2018年 12月

| 日  | 毎時潮位 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 満潮   |       |   |       |      |       |     |    | 干潮 |    |    |      |      |       |       |       |     |    |    |   |   |
|----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|---|-------|------|-------|-----|----|----|----|----|------|------|-------|-------|-------|-----|----|----|---|---|
|    | 0    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 日合計  | 日平均   | 月 | 時刻    | 潮位   | 時刻    | 潮位  | 時刻 | 潮位 | 時刻 | 潮位 | 時刻   | 潮位   | 時刻    | 潮位    | 時刻    | 潮位  | 時刻 | 潮位 |   |   |
| 1  | 156  | 151 | 137 | 116 | 94  | 75  | 65  | 67  | 81  | 104 | 132 | 158 | 176 | 184 | 180 | 166 | 146 | 125 | 106 | 94  | 90  | 96  | 110 | 129 | 2938 | 122.4 |   | 13: 8 | 184  | *     | *   | *  | *  | *  | *  | *    | 6:22 | 64    | 19:52 | 90    | *   | *  | *  | * |   |
| 2  | 146  | 158 | 160 | 151 | 133 | 110 | 88  | 74  | 72  | 83  | 105 | 132 | 159 | 179 | 188 | 185 | 169 | 144 | 116 | 91  | 73  | 68  | 77  | 96  | 2957 | 123.2 |   | 1:42  | 161  | 14:13 | 189 | *  | *  | *  | *  | *    | *    | 7:40  | 71    | 20:53 | 68  | *  | *  | * | * |
| 3  | 122  | 148 | 167 | 174 | 167 | 147 | 121 | 95  | 78  | 74  | 84  | 107 | 137 | 166 | 187 | 196 | 189 | 167 | 135 | 100 | 70  | 51  | 48  | 62  | 2992 | 124.7 |   | 3: 0  | 174  | 15: 4 | 196 | *  | *  | *  | *  | *    | *    | 8:47  | 74    | 21:40 | 47  | *  | *  | * | * |
| 4  | 90   | 124 | 157 | 181 | 190 | 180 | 156 | 125 | 97  | 78  | 75  | 88  | 114 | 147 | 177 | 198 | 203 | 189 | 159 | 119 | 78  | 46  | 30  | 33  | 3034 | 126.4 |   | 3:58  | 190  | 15:46 | 203 | *  | *  | *  | *  | *    | *    | 9:42  | 74    | 22:21 | 29  | *  | *  | * | * |
| 5  | 55   | 92  | 134 | 172 | 197 | 202 | 188 | 159 | 124 | 94  | 77  | 77  | 95  | 126 | 161 | 191 | 207 | 205 | 182 | 143 | 97  | 55  | 25  | 15  | 3073 | 128.0 |   | 4:47  | 203  | 16:23 | 209 | *  | *  | *  | *  | *    | *    | 10:30 | 75    | 22:59 | 15  | *  | *  | * | * |
| 6  | 26   | 58  | 103 | 149 | 188 | 210 | 209 | 188 | 154 | 118 | 89  | 76  | 82  | 106 | 141 | 177 | 203 | 212 | 200 | 167 | 122 | 73  | 33  | 9   | 3093 | 128.9 |   | 5:29  | 212  | 16:57 | 212 | *  | *  | *  | *  | *    | *    | 11:11 | 76    | 23:35 | 5   | *  | *  | * | * |
| 7  | 7    | 29  | 70  | 120 | 167 | 203 | 218 | 209 | 182 | 144 | 108 | 84  | 78  | 92  | 122 | 159 | 191 | 210 | 210 | 187 | 147 | 97  | 50  | 16  | 3100 | 129.2 | N | 6: 9  | 218  | 17:28 | 213 | *  | *  | *  | *  | *    | *    | 11:49 | 77    | *     | *   | *  | *  | * | * |
| 8  | 1    | 10  | 41  | 88  | 139 | 184 | 212 | 218 | 202 | 169 | 131 | 99  | 81  | 84  | 105 | 139 | 175 | 202 | 211 | 200 | 168 | 123 | 74  | 32  | 3088 | 128.7 |   | 6:45  | 219  | 17:58 | 211 | *  | *  | *  | *  | *    | *    | 0: 8  | 1     | 12:23 | 80  | *  | *  | * | * |
| 9  | 6    | 2   | 21  | 60  | 110 | 159 | 197 | 216 | 212 | 188 | 153 | 117 | 91  | 82  | 94  | 121 | 156 | 187 | 205 | 204 | 184 | 146 | 99  | 54  | 3064 | 127.7 |   | 7:20  | 217  | 18:28 | 207 | *  | *  | *  | *  | *    | *    | 0:41  | 0     | 12:56 | 82  | *  | *  | * | * |
| 10 | 20   | 4   | 11  | 39  | 83  | 131 | 174 | 203 | 211 | 199 | 171 | 136 | 105 | 88  | 88  | 107 | 137 | 169 | 192 | 201 | 191 | 163 | 123 | 79  | 3025 | 126.0 |   | 7:54  | 212  | 18:59 | 201 | *  | *  | *  | *  | *    | *    | 1:12  | 4     | 13:28 | 86  | *  | *  | * | * |
| 11 | 40   | 16  | 12  | 28  | 61  | 105 | 148 | 183 | 202 | 201 | 183 | 153 | 122 | 98  | 89  | 98  | 120 | 148 | 174 | 190 | 190 | 173 | 142 | 103 | 2979 | 124.1 |   | 8:28  | 204  | 19:30 | 192 | *  | *  | *  | *  | *    | *    | 1:43  | 11    | 14: 1 | 89  | *  | *  | * | * |
| 12 | 64   | 35  | 21  | 26  | 48  | 83  | 123 | 160 | 185 | 195 | 188 | 166 | 138 | 113 | 97  | 95  | 107 | 129 | 153 | 172 | 181 | 175 | 154 | 123 | 2931 | 122.1 |   | 9: 3  | 195  | 20: 6 | 181 | *  | *  | *  | *  | *    | *    | 2:15  | 21    | 14:37 | 94  | *  | *  | * | * |
| 13 | 89   | 58  | 38  | 33  | 44  | 69  | 102 | 136 | 165 | 182 | 185 | 174 | 153 | 129 | 109 | 99  | 101 | 114 | 132 | 151 | 164 | 167 | 158 | 138 | 2890 | 120.4 |   | 9:41  | 186  | 20:47 | 167 | *  | *  | *  | *  | *    | *    | 2:49  | 33    | 15:20 | 99  | *  | *  | * | * |
| 14 | 111  | 83  | 60  | 48  | 48  | 62  | 86  | 114 | 143 | 165 | 176 | 175 | 163 | 145 | 125 | 110 | 103 | 104 | 114 | 127 | 141 | 151 | 153 | 145 | 2852 | 118.8 |   | 10:25 | 177  | 21:42 | 153 | *  | *  | *  | *  | *    | *    | 3:27  | 46    | 16:19 | 102 | *  | *  | * | * |
| 15 | 128  | 107 | 85  | 69  | 61  | 64  | 77  | 97  | 122 | 145 | 162 | 171 | 169 | 158 | 142 | 125 | 111 | 103 | 101 | 106 | 116 | 128 | 138 | 142 | 2827 | 117.8 | U | 11:18 | 171  | 23: 1 | 142 | *  | *  | *  | *  | *    | *    | 4:15  | 61    | 17:43 | 101 | *  | *  | * | * |
| 16 | 138  | 127 | 111 | 94  | 81  | 74  | 76  | 86  | 103 | 124 | 145 | 160 | 168 | 167 | 158 | 143 | 125 | 108 | 96  | 90  | 92  | 102 | 116 | 129 | 2813 | 117.2 |   | 12:22 | 169  | *     | *   | *  | *  | *  | *  | 5:19 | 74   | 19:13 | 90    | *     | *   | *  | *  |   |   |
| 17 | 138  | 140 | 134 | 122 | 107 | 93  | 85  | 83  | 90  | 105 | 125 | 145 | 162 | 171 | 171 | 161 | 143 | 121 | 99  | 81  | 72  | 74  | 87  | 106 | 2815 | 117.3 |   | 0:43  | 140  | 13:29 | 172 | *  | *  | *  | *  | *    | *    | 6:40  | 83    | 20:18 | 71  | *  | *  | * | * |
| 18 | 127  | 143 | 150 | 148 | 137 | 120 | 103 | 90  | 85  | 91  | 106 | 127 | 149 | 168 | 178 | 177 | 164 | 140 | 111 | 81  | 60  | 50  | 56  | 75  | 2836 | 118.2 |   | 2:15  | 151  | 14:25 | 179 | *  | *  | *  | *  | *    | *    | 7:58  | 85    | 21: 8 | 50  | *  | *  | * | * |
| 19 | 103  | 132 | 155 | 167 | 165 | 151 | 130 | 107 | 90  | 83  | 89  | 106 | 131 | 158 | 179 | 188 | 184 | 164 | 131 | 93  | 58  | 35  | 28  | 40  | 2867 | 119.5 |   | 3:23  | 168  | 15:12 | 189 | *  | *  | *  | *  | *    | *    | 9: 3  | 83    | 21:51 | 28  | *  | *  | * | * |
| 20 | 69   | 107 | 144 | 173 | 186 | 182 | 163 | 135 | 107 | 87  | 80  | 88  | 110 | 140 | 170 | 192 | 199 | 187 | 158 | 116 | 70  | 32  | 10  | 9   | 2914 | 121.4 |   | 4:16  | 187  | 15:54 | 199 | *  | *  | *  | *  | *    | *    | 9:58  | 80    | 22:33 | 7   | *  | *  | * | * |
| 21 | 30   | 69  | 117 | 161 | 192 | 204 | 195 | 169 | 135 | 103 | 82  | 77  | 90  | 118 | 153 | 185 | 205 | 206 | 186 | 146 | 96  | 46  | 8   | -11 | 2962 | 123.4 |   | 5: 4  | 204  | 16:34 | 208 | *  | *  | *  | *  | *    | *    | 10:46 | 77    | 23:15 | -11 | *  | *  | * | * |
| 22 | -4   | 27  | 76  | 131 | 179 | 210 | 218 | 202 | 169 | 130 | 97  | 77  | 77  | 96  | 129 | 167 | 199 | 214 | 208 | 179 | 131 | 75  | 24  | -12 | 2999 | 125.0 |   | 5:49  | 218  | 17:14 | 215 | *  | *  | *  | *  | *    | *    | 11:32 | 74    | 23:58 | -24 | *  | *  | * | * |
| 23 | -24  | -9  | 32  | 88  | 146 | 194 | 222 | 224 | 201 | 163 | 122 | 90  | 74  | 80  | 105 | 143 | 181 | 208 | 218 | 204 | 167 | 114 | 56  | 7   | 3006 | 125.3 | F | 6:34  | 226  | 17:55 | 218 | *  | *  | *  | *  | *    | *    | 12:15 | 73    | *     | *   | *  | *  | * | * |
| 24 | -24  | -29 | -5  | 42  | 102 | 161 | 205 | 227 | 222 | 194 | 153 | 113 | 84  | 74  | 86  | 116 | 154 | 190 | 212 | 215 | 194 | 152 | 97  | 42  | 2977 | 124.0 |   | 7:18  | #228 | 18:37 | 216 | *  | *  | *  | *  | *    | *    | 0:41  | #-30  | 12:58 | 74  | *  | *  | * | * |
| 25 | -3   | -27 | -24 | 7   | 58  | 118 | 172 | 210 | 225 | 213 | 181 | 141 | 104 | 81  | 78  | 94  | 126 | 162 | 192 | 208 | 205 | 181 | 137 | 85  | 2924 | 121.8 |   | 8: 3  | 225  | 19:21 | 210 | *  | *  | *  | *  | *    | *    | 1:24  | -29   | 13:41 | 77  | *  | *  | * | * |
| 26 | 34   | -3  | -19 | -10 | 25  | 76  | 131 | 179 | 209 | 216 | 200 | 167 | 129 | 98  | 82  | 83  | 102 | 131 | 163 | 187 | 198 | 191 | 166 | 125 | 2860 | 119.2 |   | 8:47  | 217  | 20: 9 | 198 | *  | *  | *  | *  | *    | *    | 2: 8  | -20   | 14:25 | 80  | *  | *  | * | * |
| 27 | 78   | 35  | 6   | -3  | 11  | 46  | 94  | 142 | 181 | 203 | 204 | 185 | 153 | 120 | 95  | 84  | 88  | 105 | 131 | 156 | 175 | 183 | 175 | 152 | 2799 | 116.6 |   | 9:32  | 206  | 21: 2 | 183 | *  | *  | *  | *  | *    | *    | 2:53  | -3    | 15:15 | 83  | *  | *  | * | * |
| 28 | 117  | 77  | 43  | 22  | 19  | 35  | 68  | 108 | 148 | 179 | 194 | 190 | 171 | 143 | 115 | 95  | 86  | 89  | 103 | 123 | 144 | 159 | 166 | 161 | 2755 | 114.8 |   | 10:18 | 195  | 22: 5 | 166 | *  | *  | *  | *  | *    | *    | 3:40  | 18    | 16:13 | 86  | *  | *  | * | * |
| 29 | 142  | 115 | 84  | 58  | 43  | 43  | 58  | 86  | 119 | 151 | 174 | 184 | 179 | 161 | 137 | 113 | 95  | 86  | 86  | 94  | 109 | 127 | 142 | 151 | 2737 | 114.0 | L | 11: 8 | 184  | 23:26 | 152 | *  | *  | *  | *  | *    | *    | 4:32  | 41    | 17:30 | 84  | *  | *  | * | * |
| 30 | 151  | 139 | 120 | 97  | 77  | 65  | 65  | 76  | 98  | 125 | 151 | 170 | 177 | 172 | 156 | 135 | 113 | 93  | 80  | 76  | 80  | 93  | 110 | 128 | 2747 | 114.5 |   | 12: 4 | 177  | *     | *   | *  | *  | *  | *  | 5:33 | 63   | 19: 0 | 76    | *     | *   | *  | *  |   |   |
| 31 | 141  | 147 | 143 | 130 | 113 | 96  | 83  | 81  | 89  | 106 | 128 | 151 | 167 | 174 | 170 | 156 | 135 | 111 | 87  | 69  | 61  | 63  | 76  | 96  | 2773 | 115.5 |   | 1: 5  | 147  | 13: 9 | 174 | *  | *  | *  | *  | *    | *    | 6:46  | 80    | 20:17 | 60  | *  | *  | * | * |

| N   | Sum   | Mean  | 推算月最高潮位  |     |    | 推算月最低潮位  |     |    |
|-----|-------|-------|----------|-----|----|----------|-----|----|
|     |       |       | 起時       | 潮位  | 回数 | 起時       | 潮位  | 回数 |
| 744 | 90627 | 121.8 | 24日7時18分 | 228 | 1  | 24日0時41分 | -30 | 1  |