

# 推算潮位（毎時・満干潮）

地点名：小名浜

緯度：36 °56 N

経度：140 °54 E

潮位表基準面の零点：平均海面下 84.0(cm)

2019 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  | 90   | 91 | 88  | 82  | 77  | 74  | 76  | 83  | 93  | 104 | 114 | 120 | 121 | 116 | 105 | 89  | 72  | 56  | 45  | 40  | 41  | 49 | 61  | 74  | 1961 | 81.7 |   | 0:42  | 91  | 11:37 | 121  | *  | *  | *    | *  | 5: 8  | 74 | 19:16 | 40   | *  | *  | *  | *  |
| 2  | 85   | 94 | 98  | 96  | 91  | 86  | 82  | 83  | 89  | 99  | 110 | 119 | 125 | 124 | 117 | 103 | 84  | 63  | 45  | 32  | 27  | 30 | 41  | 57  | 1980 | 82.5 |   | 2:13  | 98  | 12:27 | 125  | *  | *  | *    | *  | 6:19  | 82 | 20: 6 | 27   | *  | *  | *  | *  |
| 3  | 74   | 90 | 101 | 106 | 104 | 98  | 91  | 86  | 87  | 92  | 102 | 114 | 124 | 129 | 127 | 117 | 99  | 76  | 53  | 33  | 20  | 17 | 24  | 39  | 2003 | 83.5 |   | 3:11  | 106 | 13:16 | 129  | *  | *  | *    | *  | 7:27  | 86 | 20:48 | 17   | *  | *  | *  | *  |
| 4  | 59   | 80 | 98  | 109 | 113 | 109 | 101 | 92  | 87  | 88  | 94  | 106 | 118 | 128 | 132 | 128 | 114 | 92  | 66  | 40  | 21  | 10 | 11  | 23  | 2019 | 84.1 |   | 3:55  | 113 | 14: 0 | 132  | *  | *  | *    | *  | 8:25  | 87 | 21:25 | 9    | *  | *  | *  | *  |
| 5  | 42   | 66 | 89  | 107 | 116 | 116 | 110 | 100 | 90  | 86  | 88  | 97  | 110 | 123 | 133 | 134 | 126 | 107 | 82  | 54  | 28  | 11 | 4   | 10  | 2029 | 84.5 |   | 4:33  | 117 | 14:40 | 135  | *  | *  | *    | *  | 9:12  | 86 | 22: 1 | 4    | *  | *  | *  | *  |
| 6  | 27   | 51 | 76  | 99  | 114 | 120 | 116 | 107 | 96  | 87  | 84  | 89  | 100 | 115 | 129 | 136 | 134 | 120 | 98  | 70  | 41  | 18 | 5   | 4   | 2036 | 84.8 | N | 5: 7  | 120 | 15:17 | 136  | *  | *  | *    | *  | 9:53  | 84 | 22:35 | 2    | *  | *  | *  | *  |
| 7  | 15   | 36 | 62  | 87  | 107 | 118 | 120 | 113 | 101 | 90  | 82  | 82  | 91  | 105 | 120 | 133 | 137 | 130 | 112 | 86  | 57  | 30 | 11  | 3   | 2028 | 84.5 |   | 5:38  | 120 | 15:53 | 137  | *  | *  | *    | *  | 10:30 | 81 | 23: 7 | 3    | *  | *  | *  | *  |
| 8  | 8    | 24 | 48  | 74  | 97  | 113 | 119 | 116 | 106 | 94  | 83  | 79  | 82  | 94  | 110 | 125 | 134 | 133 | 122 | 100 | 73  | 45 | 22  | 9   | 2010 | 83.8 |   | 6: 8  | 119 | 16:28 | 135  | *  | *  | *    | *  | 11: 5 | 79 | 23:39 | 6    | *  | *  | *  | *  |
| 9  | 7    | 17 | 37  | 62  | 86  | 105 | 116 | 117 | 110 | 99  | 87  | 78  | 77  | 84  | 98  | 113 | 126 | 131 | 126 | 111 | 87  | 61 | 37  | 19  | 1991 | 83.0 |   | 6:38  | 118 | 17: 2 | 131  | *  | *  | *    | *  | 11:39 | 76 | *     | *    | *  | *  | *  | *  |
| 10 | 11   | 15 | 30  | 52  | 75  | 96  | 111 | 116 | 113 | 103 | 91  | 80  | 75  | 77  | 86  | 100 | 114 | 124 | 125 | 116 | 98  | 75 | 52  | 32  | 1967 | 82.0 |   | 7: 6  | 116 | 17:37 | 125  | *  | *  | *    | *  | 0: 9  | 11 | 12:15 | 75   | *  | *  | *  | *  |
| 11 | 20   | 19 | 28  | 45  | 66  | 87  | 104 | 113 | 114 | 107 | 96  | 85  | 76  | 73  | 77  | 88  | 100 | 112 | 117 | 115 | 104 | 86 | 66  | 47  | 1945 | 81.0 |   | 7:35  | 115 | 18:14 | 118  | *  | *  | *    | *  | 0:38  | 18 | 12:54 | 73   | *  | *  | *  | *  |
| 12 | 33   | 27 | 30  | 42  | 60  | 79  | 97  | 109 | 113 | 110 | 102 | 90  | 80  | 73  | 72  | 77  | 86  | 97  | 105 | 108 | 104 | 93 | 78  | 61  | 1926 | 80.3 |   | 8: 5  | 113 | 18:56 | 108  | *  | *  | *    | *  | 1: 8  | 27 | 13:40 | 71   | *  | *  | *  | *  |
| 13 | 47   | 39 | 37  | 44  | 57  | 73  | 90  | 103 | 111 | 112 | 107 | 97  | 86  | 76  | 70  | 69  | 74  | 81  | 90  | 96  | 98  | 94 | 85  | 73  | 1909 | 79.5 |   | 8:37  | 113 | 19:49 | 98   | *  | *  | *    | *  | 1:39  | 37 | 14:38 | 69   | *  | *  | *  | *  |
| 14 | 62   | 53 | 48  | 50  | 58  | 70  | 84  | 98  | 107 | 112 | 110 | 103 | 93  | 82  | 72  | 66  | 64  | 67  | 73  | 80  | 86  | 89 | 87  | 82  | 1896 | 79.0 | U | 9:12  | 112 | 21: 8 | 89   | *  | *  | *    | *  | 2:13  | 48 | 15:53 | 64   | *  | *  | *  | *  |
| 15 | 75   | 68 | 62  | 60  | 63  | 70  | 80  | 92  | 103 | 110 | 112 | 109 | 101 | 90  | 78  | 67  | 59  | 55  | 56  | 61  | 69  | 77 | 82  | 85  | 1884 | 78.5 |   | 9:54  | 112 | 23:19 | 85   | *  | *  | *    | *  | 2:55  | 60 | 17:17 | 55   | *  | *  | *  | *  |
| 16 | 84   | 81 | 77  | 74  | 73  | 74  | 80  | 88  | 98  | 106 | 112 | 113 | 109 | 100 | 88  | 73  | 59  | 48  | 42  | 42  | 48  | 58 | 69  | 80  | 1876 | 78.2 |   | 10:44 | 113 | *     | *    | *  | *  | 3:57 | 73 | 18:28 | 41 | *     | *    | *  | *  |    |    |
| 17 | 87   | 91 | 91  | 89  | 85  | 83  | 83  | 87  | 93  | 102 | 110 | 115 | 116 | 111 | 101 | 85  | 67  | 48  | 34  | 27  | 27  | 35 | 49  | 65  | 1881 | 78.4 |   | 1:33  | 92  | 11:41 | 116  | *  | *  | *    | *  | 5:26  | 83 | 19:27 | 26   | *  | *  | *  | *  |
| 18 | 81   | 93 | 100 | 102 | 99  | 94  | 90  | 88  | 91  | 97  | 105 | 114 | 120 | 121 | 115 | 101 | 81  | 58  | 36  | 19  | 11  | 13 | 25  | 43  | 1897 | 79.0 |   | 2:49  | 102 | 12:40 | 121  | *  | *  | *    | *  | 6:57  | 88 | 20:18 | 10   | *  | *  | *  | *  |
| 19 | 65   | 86 | 101 | 110 | 111 | 107 | 100 | 93  | 90  | 92  | 99  | 109 | 119 | 126 | 127 | 119 | 101 | 76  | 48  | 22  | 4   | -3 | 2   | 18  | 1922 | 80.1 |   | 3:40  | 112 | 13:35 | 128  | *  | *  | *    | *  | 8: 8  | 90 | 21: 5 | -3   | *  | *  | *  | *  |
| 20 | 42   | 69 | 93  | 110 | 118 | 117 | 110 | 100 | 92  | 89  | 92  | 100 | 113 | 126 | 134 | 133 | 121 | 99  | 70  | 38  | 10  | -8 | -13 | -4  | 1951 | 81.3 |   | 4:23  | 118 | 14:27 | 135  | *  | *  | *    | *  | 9: 3  | 89 | 21:51 | -13  | *  | *  | *  | *  |
| 21 | 18   | 46 | 75  | 100 | 116 | 122 | 118 | 108 | 96  | 87  | 85  | 90  | 102 | 118 | 132 | 140 | 137 | 121 | 95  | 62  | 29  | 1  | -15 | -16 | 1967 | 82.0 | F | 5: 3  | 122 | 15:15 | 140  | *  | *  | *    | *  | 9:50  | 85 | 22:34 | #-17 | *  | *  | *  | *  |
| 22 | -2   | 23 | 54  | 84  | 108 | 121 | 122 | 115 | 102 | 89  | 81  | 80  | 88  | 104 | 121 | 136 | 142 | 136 | 118 | 89  | 55  | 22 | -3  | -15 | 1970 | 82.1 |   | 5:39  | 123 | 16: 3 | #142 | *  | *  | *    | *  | 10:33 | 79 | 23:16 | -15  | *  | *  | *  | *  |
| 23 | -11  | 7  | 34  | 66  | 94  | 114 | 122 | 119 | 108 | 93  | 80  | 73  | 75  | 87  | 104 | 123 | 136 | 140 | 132 | 111 | 82  | 49 | 19  | -1  | 1956 | 81.5 |   | 6:13  | 122 | 16:50 | 140  | *  | *  | *    | *  | 11:15 | 73 | 23:56 | -8   | *  | *  | *  | *  |
| 24 | -8   | 1  | 22  | 50  | 79  | 103 | 118 | 121 | 113 | 99  | 83  | 70  | 66  | 71  | 85  | 103 | 120 | 132 | 133 | 123 | 102 | 74 | 45  | 21  | 1926 | 80.3 |   | 6:44  | 121 | 17:38 | 134  | *  | *  | *    | *  | 11:58 | 66 | *     | *    | *  | *  | *  | *  |
| 25 | 7    | 6  | 18  | 41  | 67  | 93  | 111 | 119 | 117 | 105 | 89  | 73  | 63  | 60  | 67  | 81  | 98  | 113 | 122 | 122 | 111 | 92 | 68  | 45  | 1888 | 78.7 |   | 7:14  | 120 | 18:26 | 123  | *  | *  | *    | *  | 0:33  | 5  | 12:43 | 60   | *  | *  | *  | *  |
| 26 | 28   | 20 | 24  | 39  | 61  | 84  | 105 | 117 | 119 | 111 | 97  | 81  | 66  | 57  | 56  | 64  | 77  | 91  | 103 | 110 | 108 | 98 | 83  | 65  | 1864 | 77.7 |   | 7:42  | 119 | 19:18 | 110  | *  | *  | *    | *  | 1: 8  | 20 | 13:33 | 56   | *  | *  | *  | *  |
| 27 | 49   | 39 | 37  | 45  | 60  | 79  | 98  | 113 | 119 | 116 | 106 | 91  | 75  | 61  | 54  | 53  | 59  | 70  | 81  | 91  | 96  | 95 | 88  | 78  | 1853 | 77.2 |   | 8:11  | 119 | 20:20 | 96   | *  | *  | *    | *  | 1:41  | 36 | 14:33 | 53   | *  | *  | *  | *  |
| 28 | 67   | 57 | 52  | 55  | 64  | 78  | 94  | 108 | 117 | 119 | 113 | 101 | 87  | 72  | 59  | 51  | 50  | 53  | 61  | 69  | 78  | 83 | 84  | 82  | 1854 | 77.3 | L | 8:43  | 119 | 21:54 | 84   | *  | *  | *    | *  | 2:13  | 52 | 15:48 | 50   | *  | *  | *  | *  |
| 29 | 78   | 72 | 68  | 67  | 70  | 79  | 90  | 102 | 112 | 117 | 117 | 110 | 99  | 85  | 71  | 58  | 49  | 45  | 46  | 50  | 58  | 66 | 74  | 79  | 1862 | 77.6 |   | 9:22  | 118 | *     | *    | *  | *  | 2:47 | 67 | 17:20 | 44 | *     | *    | *  | *  |    |    |
| 30 | 82   | 83 | 81  | 80  | 79  | 82  | 88  | 96  | 105 | 112 | 116 | 115 | 109 | 99  | 85  | 70  | 56  | 44  | 38  | 36  | 40  | 48 | 59  | 70  | 1873 | 78.0 |   | 0:44  | 83  | 10:15 | 116  | *  | *  | *    | *  | 3:37  | 79 | 18:44 | 36   | *  | *  | *  | *  |
| 31 | 80   | 87 | 90  | 91  | 89  | 88  | 88  | 92  | 98  | 105 | 111 | 115 | 115 | 110 | 100 | 86  | 69  | 52  | 38  | 29  | 27  | 32 | 42  | 56  | 1890 | 78.8 |   | 2:37  | 91  | 11:29 | 115  | *  | *  | *    | *  | 5:19  | 88 | 19:47 | 27   | *  | *  | *  | *  |

| 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      | 60014        | 80.7          | 22日 16時 3分 | 142 | 1  | 21日 22時 34分 | -17 | 1  |

# 推算潮位（毎時・満干潮）

地点名：小名浜

緯度：36 °56 N

経度：140 °54 E

潮位表基準面の零点：平均海面下 84.0(cm)

2019 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  | 72   | 85 | 95 | 99  | 99  | 95  | 91  | 89  | 91  | 96  | 103 | 110 | 115 | 117 | 112 | 101 | 84  | 64  | 45  | 29  | 20  | 19 | 27  | 41 | 1899 | 79.1 |   | 3:23 | 100 | 12:45 | 117  | *  | *  | *     | *  | 7: 8  | 89 | 20:34 | 18   | *  | *  | *  | *  |
| 2  | 59   | 78 | 94 | 104 | 106 | 103 | 97  | 90  | 86  | 87  | 93  | 102 | 111 | 118 | 120 | 114 | 100 | 80  | 57  | 35  | 19  | 11 | 14  | 26 | 1904 | 79.3 |   | 3:55 | 106 | 13:45 | 120  | *  | *  | *     | *  | 8:20  | 86 | 21:14 | 11   | *  | *  | *  | *  |
| 3  | 45   | 67 | 88 | 103 | 111 | 110 | 103 | 93  | 85  | 81  | 83  | 91  | 103 | 115 | 123 | 123 | 114 | 96  | 72  | 47  | 25  | 10 | 6   | 14 | 1908 | 79.5 |   | 4:24 | 111 | 14:32 | 124  | *  | *  | *     | *  | 9: 9  | 80 | 21:50 | 6    | *  | *  | *  | *  |
| 4  | 31   | 54 | 78 | 98  | 111 | 114 | 109 | 98  | 86  | 77  | 75  | 81  | 93  | 108 | 121 | 128 | 125 | 111 | 89  | 62  | 36  | 15 | 4   | 6  | 1910 | 79.6 |   | 4:50 | 114 | 15:13 | 128  | *  | *  | *     | *  | 9:47  | 75 | 22:22 | 4    | *  | *  | *  | *  |
| 5  | 19   | 41 | 67 | 90  | 108 | 115 | 113 | 103 | 89  | 77  | 70  | 71  | 81  | 97  | 114 | 126 | 130 | 122 | 104 | 78  | 50  | 25 | 9   | 4  | 1903 | 79.3 | N | 5:15 | 116 | 15:50 | 130  | *  | *  | *     | *  | 10:21 | 69 | 22:53 | 4    | *  | *  | *  | *  |
| 6  | 12   | 30 | 55 | 81  | 101 | 114 | 115 | 108 | 94  | 79  | 67  | 64  | 70  | 84  | 102 | 119 | 129 | 128 | 115 | 93  | 66  | 39 | 18  | 7  | 1890 | 78.8 |   | 5:39 | 116 | 16:25 | 130  | *  | *  | *     | *  | 10:53 | 64 | 23:21 | 6    | *  | *  | *  | *  |
| 7  | 9    | 23 | 45 | 71  | 94  | 110 | 116 | 111 | 99  | 83  | 68  | 60  | 61  | 71  | 89  | 107 | 122 | 127 | 121 | 105 | 80  | 54 | 30  | 15 | 1871 | 78.0 |   | 6: 3 | 116 | 17: 0 | 127  | *  | *  | *     | *  | 11:25 | 59 | 23:48 | 11   | *  | *  | *  | *  |
| 8  | 12   | 20 | 38 | 62  | 86  | 105 | 115 | 114 | 104 | 89  | 72  | 60  | 55  | 61  | 75  | 93  | 110 | 121 | 122 | 111 | 92  | 68 | 45  | 27 | 1857 | 77.4 |   | 6:26 | 116 | 17:35 | 123  | *  | *  | *     | *  | 11:57 | 55 | *     | *    | *  | *  | *  | *  |
| 9  | 19   | 22 | 35 | 56  | 79  | 99  | 112 | 115 | 109 | 95  | 78  | 63  | 53  | 53  | 62  | 78  | 95  | 109 | 116 | 113 | 100 | 81 | 59  | 41 | 1842 | 76.8 |   | 6:48 | 116 | 18:12 | 116  | *  | *  | *     | *  | 0:14  | 18 | 12:32 | 52   | *  | *  | *  | *  |
| 10 | 29   | 28 | 36 | 53  | 74  | 94  | 108 | 115 | 112 | 101 | 85  | 68  | 56  | 50  | 53  | 64  | 79  | 94  | 104 | 108 | 102 | 89 | 72  | 55 | 1829 | 76.2 |   | 7:11 | 115 | 18:52 | 108  | *  | *  | *     | *  | 0:39  | 27 | 13: 9 | 50   | *  | *  | *  | *  |
| 11 | 43   | 38 | 41 | 53  | 70  | 88  | 104 | 113 | 113 | 106 | 92  | 76  | 61  | 51  | 48  | 52  | 63  | 76  | 89  | 97  | 98  | 92 | 81  | 69 | 1814 | 75.6 |   | 7:34 | 114 | 19:41 | 99   | *  | *  | *     | *  | 1: 5  | 38 | 13:53 | 48   | *  | *  | *  | *  |
| 12 | 57   | 50 | 50 | 57  | 69  | 84  | 99  | 109 | 113 | 109 | 99  | 85  | 69  | 56  | 48  | 46  | 50  | 59  | 70  | 81  | 87  | 89 | 85  | 78 | 1799 | 75.0 |   | 8: 0 | 113 | 20:47 | 89   | *  | *  | *     | *  | 1:31  | 49 | 14:49 | 46   | *  | *  | *  | *  |
| 13 | 71   | 65 | 62 | 65  | 72  | 83  | 95  | 105 | 111 | 111 | 105 | 94  | 80  | 66  | 53  | 45  | 42  | 44  | 51  | 60  | 70  | 78 | 82  | 83 | 1793 | 74.7 | U | 8:31 | 112 | 22:42 | 83   | *  | *  | *     | *  | 2: 0  | 62 | 16: 4 | 42   | *  | *  | *  | *  |
| 14 | 81   | 78 | 76 | 75  | 78  | 84  | 92  | 100 | 107 | 110 | 108 | 102 | 92  | 79  | 65  | 51  | 41  | 35  | 34  | 39  | 48  | 59 | 70  | 78 | 1782 | 74.3 |   | 9:12 | 110 | *     | *    | *  | *  | 2:35  | 75 | 17:34 | 34 | *     | *    | *  | *  |    |    |
| 15 | 84   | 87 | 88 | 88  | 87  | 88  | 91  | 96  | 101 | 106 | 109 | 108 | 103 | 94  | 81  | 65  | 49  | 34  | 25  | 22  | 26  | 36 | 50  | 65 | 1783 | 74.3 |   | 1:54 | 88  | 10:20 | 109  | *  | *  | *     | *  | 3:55  | 87 | 18:55 | 22   | *  | *  | *  | *  |
| 16 | 79   | 90 | 97 | 99  | 98  | 95  | 93  | 93  | 95  | 99  | 105 | 109 | 111 | 109 | 100 | 86  | 66  | 45  | 26  | 13  | 8   | 13 | 26  | 45 | 1800 | 75.0 |   | 3: 3 | 99  | 12: 0 | 111  | *  | *  | *     | *  | 6:36  | 92 | 19:59 | 8    | *  | *  | *  | *  |
| 17 | 66   | 84 | 99 | 106 | 107 | 103 | 97  | 91  | 89  | 90  | 96  | 104 | 113 | 118 | 117 | 107 | 89  | 65  | 39  | 16  | 1   | -3 | 4   | 22 | 1820 | 75.8 |   | 3:39 | 108 | 13:22 | 118  | *  | *  | *     | *  | 8: 9  | 89 | 20:52 | -3   | *  | *  | *  | *  |
| 18 | 45   | 71 | 93 | 108 | 114 | 111 | 103 | 93  | 84  | 81  | 84  | 93  | 106 | 118 | 126 | 125 | 113 | 91  | 63  | 33  | 8   | -8 | -10 | 2  | 1847 | 77.0 |   | 4:11 | 114 | 14:25 | 127  | *  | *  | *     | *  | 9: 3  | 81 | 21:39 | -10  | *  | *  | *  | *  |
| 19 | 24   | 52 | 80 | 102 | 115 | 117 | 109 | 97  | 83  | 73  | 71  | 77  | 91  | 109 | 124 | 133 | 131 | 116 | 90  | 58  | 26  | 1  | -11 | -9 | 1859 | 77.5 |   | 4:40 | 117 | 15:19 | 134  | *  | *  | *     | *  | 9:46  | 71 | 22:21 | #-12 | *  | *  | *  | *  |
| 20 | 7    | 34 | 64 | 92  | 112 | 119 | 115 | 102 | 85  | 70  | 60  | 61  | 72  | 91  | 112 | 129 | 137 | 132 | 114 | 85  | 52  | 22 | 0   | -8 | 1859 | 77.5 | F | 5: 8 | 119 | 16: 8 | #137 | *  | *  | *     | *  | 10:26 | 60 | 23: 0 | -8   | *  | *  | *  | *  |
| 21 | 0    | 21 | 50 | 80  | 104 | 118 | 119 | 109 | 91  | 71  | 55  | 49  | 54  | 69  | 91  | 113 | 130 | 135 | 128 | 107 | 78  | 47 | 21  | 5  | 1845 | 76.9 |   | 5:35 | 120 | 16:56 | 135  | *  | *  | *     | *  | 11: 5 | 49 | 23:35 | 2    | *  | *  | *  | *  |
| 22 | 3    | 16 | 40 | 69  | 96  | 115 | 121 | 115 | 99  | 78  | 57  | 43  | 40  | 49  | 68  | 91  | 112 | 126 | 128 | 118 | 98  | 71 | 44  | 24 | 1821 | 75.9 |   | 6: 0 | 121 | 17:42 | 129  | *  | *  | *     | *  | 11:44 | 40 | *     | *    | *  | *  | *  | *  |
| 23 | 15   | 21 | 38 | 63  | 89  | 110 | 121 | 120 | 107 | 87  | 65  | 45  | 35  | 36  | 48  | 67  | 89  | 107 | 118 | 117 | 106 | 87 | 65  | 45 | 1801 | 75.0 |   | 6:24 | 122 | 18:28 | 119  | *  | *  | *     | *  | 0: 8  | 15 | 12:25 | 34   | *  | *  | *  | *  |
| 24 | 33   | 31 | 41 | 60  | 83  | 105 | 119 | 122 | 115 | 98  | 76  | 54  | 38  | 32  | 36  | 48  | 66  | 84  | 99  | 106 | 104 | 94 | 79  | 63 | 1786 | 74.4 |   | 6:48 | 123 | 19:16 | 106  | *  | *  | *     | *  | 0:37  | 30 | 13: 8 | 32   | *  | *  | *  | *  |
| 25 | 50   | 45 | 49 | 62  | 81  | 100 | 115 | 122 | 119 | 107 | 88  | 68  | 49  | 36  | 33  | 37  | 49  | 63  | 78  | 89  | 93  | 91 | 84  | 75 | 1783 | 74.3 |   | 7:13 | 122 | 20:12 | 93   | *  | *  | *     | *  | 1: 4  | 45 | 13:56 | 32   | *  | *  | *  | *  |
| 26 | 65   | 59 | 60 | 67  | 80  | 95  | 109 | 118 | 119 | 112 | 99  | 81  | 63  | 48  | 38  | 35  | 39  | 48  | 59  | 69  | 78  | 82 | 82  | 80 | 1785 | 74.4 | L | 7:40 | 120 | 21:34 | 83   | *  | *  | *     | *  | 1:28  | 59 | 14:55 | 35   | *  | *  | *  | *  |
| 27 | 75   | 72 | 71 | 73  | 81  | 91  | 102 | 111 | 115 | 113 | 105 | 93  | 78  | 63  | 51  | 42  | 38  | 39  | 44  | 52  | 61  | 68 | 74  | 78 | 1790 | 74.6 |   | 8:12 | 116 | *     | *    | *  | *  | 1:51  | 71 | 16:16 | 38 | *     | *    | *  | *  |    |    |
| 28 | 80   | 81 | 81 | 81  | 84  | 89  | 95  | 102 | 108 | 109 | 107 | 101 | 91  | 79  | 67  | 54  | 44  | 38  | 36  | 39  | 45  | 53 | 63  | 72 | 1799 | 75.0 |   | 8:57 | 109 | *     | *    | *  | *  | 17:56 | 36 | *     | *  | *     | *    | *  | *  |    |    |

| 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      | 51379        | 76.5          | 20日 16時 8分 | 137 | 1  | 19日 22時 21分 | -12 | 1  |

# 推算潮位 (毎時・満干潮)

地点名: 小名浜

緯度: 36 °56 N

経度: 140 °54 E

潮位表基準面の零点: 平均海面下 84.0(cm)

2019年3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  | 80   | 86 | 89  | 90  | 89  | 89  | 90  | 93  | 97  | 101 | 103 | 103 | 99  | 93  | 83  | 70  | 57  | 44  | 35  | 31  | 32  | 38 | 49 | 62 | 1803 | 75.1 |   | 10:22 | 103 | *     | *    | *  | *  | *  | *  | *  | 19:17 | 30    | *     | *     | *  | *  | *  | * |   |
| 2  | 75   | 86 | 94  | 97  | 96  | 92  | 88  | 87  | 87  | 91  | 95  | 100 | 103 | 102 | 97  | 87  | 72  | 55  | 40  | 29  | 23  | 26 | 35 | 49 | 1806 | 75.3 |   | 3:10  | 97  | 12:22 | 103  | *  | *  | *  | *  | *  | *     | 7:13  | 86    | 20:12 | 23 | *  | *  | * | * |
| 3  | 66   | 82 | 95  | 102 | 102 | 97  | 90  | 83  | 79  | 80  | 85  | 93  | 101 | 107 | 107 | 101 | 88  | 70  | 50  | 33  | 21  | 17 | 22 | 36 | 1807 | 75.3 |   | 3:32  | 103 | 13:38 | 108  | *  | *  | *  | *  | *  | *     | 8:21  | 79    | 20:54 | 17 | *  | *  | * | * |
| 4  | 55   | 75 | 92  | 104 | 107 | 103 | 93  | 82  | 73  | 70  | 73  | 82  | 94  | 106 | 113 | 113 | 103 | 86  | 65  | 42  | 24  | 14 | 14 | 24 | 1807 | 75.3 |   | 3:55  | 107 | 14:28 | 114  | *  | *  | *  | *  | *  | *     | 9:2   | 70    | 21:29 | 13 | *  | *  | * | * |
| 5  | 43   | 65 | 86  | 102 | 110 | 108 | 98  | 85  | 71  | 63  | 62  | 70  | 83  | 99  | 113 | 119 | 115 | 102 | 80  | 56  | 33  | 16 | 10 | 16 | 1805 | 75.2 |   | 4:17  | 110 | 15:9  | 119  | *  | *  | *  | *  | *  | *     | 9:36  | 61    | 22:1  | 10 | *  | *  | * | * |
| 6  | 32   | 55 | 78  | 99  | 110 | 112 | 104 | 89  | 72  | 59  | 53  | 57  | 70  | 88  | 107 | 119 | 122 | 114 | 96  | 71  | 45  | 24 | 13 | 13 | 1802 | 75.1 |   | 4:38  | 113 | 15:47 | 123  | *  | *  | *  | *  | *  | *     | 10:6  | 53    | 22:30 | 11 | *  | *  | * | * |
| 7  | 25   | 45 | 70  | 93  | 109 | 114 | 109 | 94  | 76  | 59  | 47  | 46  | 56  | 74  | 95  | 113 | 123 | 122 | 108 | 86  | 60  | 36 | 20 | 14 | 1794 | 74.8 | N | 4:59  | 114 | 16:22 | 124  | *  | *  | *  | *  | *  | *     | 10:36 | 45    | 22:57 | 14 | *  | *  | * | * |
| 8  | 21   | 39 | 62  | 87  | 106 | 115 | 113 | 101 | 82  | 61  | 46  | 39  | 44  | 59  | 80  | 102 | 118 | 123 | 116 | 99  | 75  | 51 | 31 | 21 | 1791 | 74.6 |   | 5:19  | 116 | 16:57 | 123  | *  | *  | *  | *  | *  | *     | 11:6  | 39    | 23:22 | 20 | *  | *  | * | * |
| 9  | 22   | 35 | 56  | 80  | 101 | 114 | 116 | 107 | 89  | 67  | 48  | 35  | 34  | 45  | 64  | 86  | 106 | 118 | 119 | 108 | 88  | 65 | 45 | 31 | 1779 | 74.1 |   | 5:39  | 117 | 17:33 | 120  | *  | *  | *  | *  | *  | *     | 11:36 | 33    | 23:47 | 27 | *  | *  | * | * |
| 10 | 27   | 36 | 53  | 75  | 97  | 112 | 117 | 112 | 96  | 75  | 53  | 37  | 29  | 34  | 48  | 69  | 91  | 107 | 115 | 111 | 98  | 79 | 59 | 43 | 1773 | 73.9 |   | 5:59  | 117 | 18:10 | 115  | *  | *  | *  | *  | *  | *     | 12:8  | 29    | *     | *  | *  | *  | * | * |
| 11 | 36   | 40 | 52  | 71  | 92  | 108 | 117 | 115 | 103 | 83  | 61  | 42  | 30  | 28  | 36  | 53  | 73  | 92  | 104 | 108 | 102 | 88 | 72 | 57 | 1763 | 73.5 |   | 6:19  | 117 | 18:51 | 108  | *  | *  | *  | *  | *  | *     | 0:11  | 36    | 12:42 | 27 | *  | *  | * | * |
| 12 | 48   | 47 | 55  | 70  | 88  | 104 | 114 | 116 | 108 | 92  | 71  | 51  | 35  | 27  | 28  | 39  | 55  | 73  | 88  | 98  | 99  | 93 | 82 | 70 | 1751 | 73.0 |   | 6:40  | 116 | 19:39 | 99   | *  | *  | *  | *  | *  | *     | 0:35  | 46    | 13:20 | 26 | *  | *  | * | * |
| 13 | 61   | 58 | 61  | 71  | 85  | 99  | 110 | 115 | 111 | 99  | 82  | 63  | 45  | 32  | 27  | 30  | 40  | 54  | 69  | 81  | 89  | 90 | 86 | 80 | 1738 | 72.4 |   | 7:3   | 115 | 20:43 | 90   | *  | *  | *  | *  | *  | *     | 1:0   | 58    | 14:8  | 27 | *  | *  | * | * |
| 14 | 73   | 69 | 70  | 75  | 85  | 95  | 105 | 111 | 111 | 104 | 92  | 76  | 59  | 44  | 33  | 29  | 30  | 37  | 48  | 61  | 72  | 80 | 83 | 84 | 1726 | 71.9 | U | 7:29  | 112 | 22:39 | 84   | *  | *  | *  | *  | *  | *     | 1:24  | 69    | 15:14 | 28 | *  | *  | * | * |
| 15 | 82   | 81 | 80  | 82  | 86  | 93  | 100 | 105 | 108 | 106 | 99  | 88  | 75  | 61  | 47  | 36  | 29  | 27  | 31  | 39  | 51  | 62 | 73 | 81 | 1722 | 71.8 |   | 8:5   | 108 | *     | *    | *  | *  | *  | *  | *  | 1:48  | 80    | 16:48 | 27    | *  | *  | *  | * |   |
| 16 | 86   | 89 | 90  | 90  | 90  | 92  | 94  | 98  | 101 | 102 | 101 | 98  | 91  | 80  | 67  | 52  | 38  | 27  | 21  | 22  | 29  | 41 | 55 | 70 | 1724 | 71.8 |   | 9:13  | 102 | *     | *    | *  | *  | *  | *  | *  | 18:24 | 21    | *     | *     | *  | *  | *  | * |   |
| 17 | 83   | 92 | 98  | 99  | 96  | 93  | 90  | 89  | 90  | 93  | 97  | 101 | 101 | 98  | 89  | 75  | 57  | 39  | 23  | 14  | 13  | 20 | 35 | 53 | 1738 | 72.4 |   | 2:45  | 99  | 11:45 | 101  | *  | *  | *  | *  | *  | *     | 7:0   | 89    | 19:37 | 12 | *  | *  | * | * |
| 18 | 73   | 90 | 101 | 105 | 103 | 97  | 89  | 82  | 79  | 80  | 86  | 95  | 103 | 109 | 108 | 99  | 82  | 60  | 37  | 17  | 6   | 6  | 16 | 35 | 1758 | 73.3 |   | 3:10  | 105 | 13:24 | 110  | *  | *  | *  | *  | *  | *     | 8:13  | 79    | 20:33 | 5  | *  | *  | * | * |
| 19 | 58   | 81 | 99  | 109 | 110 | 103 | 91  | 78  | 68  | 65  | 69  | 80  | 95  | 109 | 118 | 118 | 107 | 86  | 60  | 33  | 13  | 2  | 5  | 19 | 1776 | 74.0 |   | 3:35  | 111 | 14:29 | 119  | *  | *  | *  | *  | *  | *     | 8:56  | 65    | 21:19 | #2 | *  | *  | * | * |
| 20 | 42   | 69 | 93  | 109 | 115 | 110 | 96  | 78  | 62  | 52  | 51  | 61  | 78  | 98  | 116 | 126 | 125 | 110 | 86  | 57  | 30  | 10 | 4  | 11 | 1789 | 74.5 |   | 3:59  | 115 | 15:22 | 127  | *  | *  | *  | *  | *  | *     | 9:34  | 50    | 21:59 | 4  | *  | *  | * | * |
| 21 | 30   | 57 | 84  | 106 | 118 | 116 | 104 | 83  | 62  | 44  | 36  | 40  | 55  | 78  | 102 | 121 | 130 | 126 | 109 | 83  | 54  | 28 | 13 | 12 | 1791 | 74.6 | F | 4:23  | 119 | 16:11 | #130 | *  | *  | *  | *  | *  | *     | 10:11 | 36    | 22:35 | 11 | *  | *  | * | * |
| 22 | 25   | 48 | 76  | 101 | 117 | 121 | 112 | 92  | 68  | 44  | 28  | 24  | 34  | 54  | 80  | 105 | 123 | 129 | 122 | 103 | 77  | 50 | 30 | 21 | 1784 | 74.3 |   | 4:47  | 122 | 16:57 | 129  | *  | *  | *  | *  | *  | *     | 10:48 | 24    | 23:8  | 21 | *  | *  | * | * |
| 23 | 27   | 44 | 69  | 95  | 115 | 124 | 120 | 103 | 78  | 52  | 29  | 17  | 18  | 32  | 55  | 82  | 105 | 120 | 123 | 113 | 94  | 71 | 50 | 36 | 1772 | 73.8 |   | 5:10  | 124 | 17:42 | 123  | *  | *  | *  | *  | *  | *     | 11:25 | 16    | 23:38 | 34 | *  | *  | * | * |
| 24 | 35   | 45 | 65  | 89  | 111 | 124 | 125 | 113 | 91  | 64  | 38  | 19  | 12  | 18  | 35  | 59  | 83  | 103 | 114 | 113 | 103 | 86 | 67 | 53 | 1765 | 73.5 |   | 5:34  | 126 | 18:27 | 115  | *  | *  | *  | *  | *  | *     | 12:3  | 12    | *     | *  | *  | *  | * | * |
| 25 | 46   | 51 | 65  | 85  | 106 | 121 | 126 | 120 | 102 | 78  | 52  | 30  | 16  | 13  | 23  | 40  | 62  | 82  | 97  | 104 | 102 | 93 | 80 | 67 | 1761 | 73.4 |   | 5:58  | 126 | 19:14 | 104  | *  | *  | *  | *  | *  | *     | 0:6   | 46    | 12:41 | 13 | *  | *  | * | * |
| 26 | 59   | 59 | 67  | 82  | 100 | 115 | 123 | 122 | 110 | 91  | 67  | 45  | 27  | 18  | 19  | 29  | 45  | 63  | 79  | 90  | 94  | 92 | 85 | 77 | 1758 | 73.3 |   | 6:23  | 124 | 20:7  | 94   | *  | *  | *  | *  | *  | *     | 0:32  | 58    | 13:23 | 17 | *  | *  | * | * |
| 27 | 70   | 67 | 71  | 81  | 94  | 107 | 117 | 119 | 113 | 100 | 81  | 61  | 43  | 30  | 25  | 27  | 35  | 48  | 62  | 74  | 82  | 86 | 85 | 82 | 1760 | 73.3 |   | 6:49  | 120 | 21:23 | 86   | *  | *  | *  | *  | *  | *     | 0:57  | 67    | 14:12 | 25 | *  | *  | * | * |
| 28 | 79   | 76 | 77  | 81  | 89  | 99  | 107 | 112 | 111 | 103 | 91  | 75  | 60  | 46  | 37  | 32  | 33  | 39  | 48  | 58  | 68  | 76 | 81 | 83 | 1761 | 73.4 | L | 7:19  | 112 | *     | *    | *  | *  | *  | *  | *  | 1:23  | 76    | 15:17 | 32    | *  | *  | *  | * |   |
| 29 | 84   | 84 | 83  | 84  | 87  | 92  | 97  | 102 | 104 | 101 | 95  | 86  | 75  | 63  | 52  | 44  | 38  | 37  | 39  | 45  | 54  | 63 | 72 | 80 | 1761 | 73.4 |   | 0:1   | 84  | 7:58  | 104  | *  | *  | *  | *  | *  | *     | 1:58  | 83    | 16:51 | 37 | *  | *  | * | * |
| 30 | 86   | 89 | 90  | 89  | 88  | 87  | 88  | 91  | 93  | 94  | 94  | 91  | 86  | 78  | 69  | 58  | 48  | 40  | 36  | 36  | 41  | 50 | 61 | 73 | 1756 | 73.2 |   | 1:55  | 90  | 9:17  | 94   | *  | *  | *  | *  | *  | *     | 4:49  | 87    | 18:26 | 36 | *  | *  | * | * |
| 31 | 84   | 92 | 96  | 95  | 92  | 87  | 82  | 80  | 81  | 84  | 88  | 91  | 92  | 90  | 84  | 75  | 62  | 49  | 38  | 32  | 32  | 38 | 49 | 64 | 1757 | 73.2 |   | 2:23  | 96  | 11:59 | 92   | *  | *  | *  | *  | *  | *     | 7:14  | 80    | 19:32 | 31 | *  | *  | * | * |

| 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      | 54878        | 73.8          | 21日 16時 11分 | 130 | 1  | 19日 21時 19分 | 2  | 1  |

# 推算潮位（毎時・満干潮）

地点名：小名浜

緯度：36 °56 N

経度：140 °54 E

潮位表基準面の零点：平均海面下 84.0(cm)

2019 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  | 79   | 91  | 99  | 101 | 97  | 89  | 80  | 73  | 70  | 72  | 77 | 85 | 93 | 97  | 97  | 90  | 78  | 62  | 46  | 34  | 28  | 29 | 38 | 53 | 1758 | 73.3 |   | 2:47 | 101  | 13:26 | 98  | *  | *  | *    | *  | 8: 9  | 70 | 20:19 | 27 | *  | *  | *  | *  |
| 2  | 71   | 88  | 100 | 105 | 103 | 94  | 81  | 69  | 61  | 59  | 64 | 75 | 87 | 99  | 105 | 103 | 94  | 78  | 59  | 41  | 29  | 24 | 30 | 43 | 1762 | 73.4 |   | 3: 9 | 105  | 14:19 | 105 | *  | *  | *    | *  | 8:44  | 59 | 20:57 | 24 | *  | *  | *  | *  |
| 3  | 62   | 82  | 98  | 108 | 108 | 99  | 85  | 68  | 55  | 48  | 51 | 61 | 77 | 94  | 107 | 112 | 107 | 93  | 74  | 53  | 35  | 25 | 25 | 36 | 1763 | 73.5 |   | 3:31 | 109  | 15: 1 | 112 | *  | *  | *    | *  | 9:15  | 48 | 21:29 | 24 | *  | *  | *  | *  |
| 4  | 54   | 75  | 95  | 108 | 112 | 105 | 90  | 71  | 53  | 41  | 38 | 46 | 63 | 83  | 102 | 114 | 116 | 107 | 89  | 67  | 46  | 31 | 26 | 32 | 1764 | 73.5 |   | 3:51 | 112  | 15:40 | 117 | *  | *  | *    | *  | 9:44  | 38 | 21:59 | 26 | *  | *  | *  | *  |
| 5  | 47   | 69  | 90  | 107 | 115 | 111 | 97  | 77  | 55  | 37  | 28 | 32 | 46 | 68  | 91  | 110 | 119 | 116 | 103 | 82  | 60  | 41 | 31 | 32 | 1764 | 73.5 | N | 4:11 | 115  | 16:16 | 120 | *  | *  | *    | *  | 10:13 | 28 | 22:27 | 30 | *  | *  | *  | *  |
| 6  | 43   | 63  | 85  | 105 | 116 | 116 | 105 | 84  | 60  | 38  | 23 | 21 | 31 | 51  | 76  | 99  | 115 | 120 | 113 | 96  | 75  | 54 | 40 | 36 | 1765 | 73.5 |   | 4:31 | 118  | 16:53 | 120 | *  | *  | *    | *  | 10:43 | 20 | 22:53 | 36 | *  | *  | *  | *  |
| 7  | 43   | 59  | 80  | 101 | 116 | 120 | 112 | 93  | 69  | 43  | 23 | 14 | 18 | 34  | 58  | 84  | 105 | 117 | 117 | 107 | 89  | 69 | 52 | 44 | 1767 | 73.6 |   | 4:51 | 120  | 17:31 | 119 | *  | *  | *    | *  | 11:13 | 14 | 23:19 | 43 | *  | *  | *  | *  |
| 8  | 46   | 58  | 76  | 97  | 113 | 121 | 117 | 102 | 79  | 52  | 29 | 13 | 10 | 20  | 40  | 65  | 89  | 107 | 115 | 111 | 99  | 82 | 65 | 54 | 1760 | 73.3 |   | 5:12 | 121  | 18:10 | 115 | *  | *  | *    | *  | 11:45 | 10 | 23:45 | 52 | *  | *  | *  | *  |
| 9  | 52   | 59  | 74  | 92  | 109 | 119 | 120 | 109 | 89  | 64  | 39 | 19 | 9  | 11  | 25  | 46  | 70  | 91  | 105 | 109 | 103 | 92 | 78 | 66 | 1750 | 72.9 |   | 5:33 | 121  | 18:54 | 109 | *  | *  | *    | *  | 12:19 | 8  | *     | *  | *  | *  | *  | *  |
| 10 | 61   | 63  | 74  | 88  | 104 | 116 | 120 | 114 | 99  | 77  | 52 | 30 | 15 | 10  | 16  | 30  | 50  | 71  | 89  | 99  | 101 | 96 | 87 | 77 | 1739 | 72.5 |   | 5:56 | 120  | 19:45 | 101 | *  | *  | *    | *  | 0:11  | 61 | 12:58 | 10 | *  | *  | *  | *  |
| 11 | 71   | 70  | 76  | 86  | 99  | 110 | 117 | 115 | 105 | 88  | 67 | 46 | 28 | 17  | 14  | 21  | 34  | 51  | 69  | 83  | 91  | 94 | 91 | 86 | 1729 | 72.0 |   | 6:21 | 117  | 20:53 | 94  | *  | *  | *    | *  | 0:38  | 70 | 13:45 | 14 | *  | *  | *  | *  |
| 12 | 81   | 78  | 80  | 86  | 95  | 104 | 110 | 112 | 108 | 97  | 81 | 63 | 46 | 31  | 22  | 20  | 25  | 35  | 49  | 63  | 76  | 84 | 89 | 90 | 1725 | 71.9 |   | 6:50 | 112  | 22:49 | 90  | *  | *  | *    | *  | 1: 7  | 78 | 14:48 | 20 | *  | *  | *  | *  |
| 13 | 88   | 87  | 86  | 88  | 91  | 97  | 102 | 105 | 105 | 100 | 92 | 80 | 66 | 51  | 38  | 29  | 24  | 26  | 33  | 44  | 57  | 70 | 80 | 88 | 1727 | 72.0 | U | 7:29 | 105  | *     | *   | *  | *  | 1:51 | 86 | 16:17 | 24 | *     | *  | *  | *  |    |    |
| 14 | 92   | 94  | 93  | 91  | 90  | 90  | 91  | 93  | 96  | 96  | 95 | 91 | 84 | 73  | 61  | 47  | 35  | 27  | 24  | 29  | 38  | 52 | 67 | 81 | 1730 | 72.1 |   | 1: 3 | 94   | 8:58  | 96  | *  | *  | *    | *  | 4:32  | 90 | 17:52 | 24 | *  | *  | *  | *  |
| 15 | 92   | 98  | 100 | 97  | 92  | 86  | 82  | 80  | 81  | 85  | 90 | 94 | 95 | 93  | 84  | 71  | 54  | 39  | 27  | 22  | 25  | 36 | 52 | 70 | 1745 | 72.7 |   | 1:49 | 100  | 11:53 | 95  | *  | *  | *    | *  | 7: 4  | 80 | 19: 6 | 22 | *  | *  | *  | *  |
| 16 | 87   | 100 | 105 | 104 | 96  | 86  | 75  | 67  | 65  | 68  | 76 | 87 | 97 | 103 | 103 | 95  | 79  | 59  | 40  | 26  | 21  | 25 | 39 | 58 | 1761 | 73.4 |   | 2:18 | 106  | 13:28 | 104 | *  | *  | *    | *  | 7:58  | 65 | 20: 3 | 21 | *  | *  | *  | *  |
| 17 | 79   | 97  | 109 | 111 | 104 | 90  | 74  | 59  | 50  | 49  | 56 | 70 | 87 | 103 | 112 | 113 | 102 | 84  | 61  | 41  | 27  | 23 | 31 | 48 | 1780 | 74.2 |   | 2:43 | 111  | 14:31 | 114 | *  | *  | *    | *  | 8:38  | 48 | 20:49 | 23 | *  | *  | *  | *  |
| 18 | 70   | 92  | 109 | 116 | 112 | 98  | 78  | 57  | 40  | 32  | 35 | 48 | 68 | 91  | 110 | 120 | 119 | 106 | 85  | 61  | 41  | 29 | 30 | 42 | 1789 | 74.5 |   | 3: 8 | 116  | 15:23 | 121 | *  | *  | *    | *  | 9:15  | 32 | 21:29 | 28 | *  | *  | *  | *  |
| 19 | 62   | 86  | 107 | 120 | 120 | 109 | 88  | 62  | 38  | 22  | 17 | 26 | 45 | 70  | 95  | 115 | 124 | 120 | 105 | 83  | 60  | 43 | 36 | 41 | 1794 | 74.8 | F | 3:33 | 121  | 16:11 | 124 | *  | *  | *    | *  | 9:52  | 17 | 22: 4 | 36 | *  | *  | *  | *  |
| 20 | 57   | 80  | 103 | 120 | 126 | 119 | 100 | 73  | 45  | 21  | 8  | 9  | 22 | 46  | 74  | 100 | 118 | 123 | 117 | 101 | 80  | 60 | 48 | 46 | 1796 | 74.8 |   | 3:58 | 126  | 16:57 | 123 | *  | *  | *    | *  | 10:28 | 7  | 22:37 | 45 | *  | *  | *  | *  |
| 21 | 56   | 75  | 98  | 117 | 128 | 127 | 112 | 87  | 58  | 30  | 9  | 1  | 7  | 25  | 51  | 79  | 103 | 117 | 119 | 111 | 95  | 76 | 61 | 55 | 1797 | 74.9 |   | 4:23 | 129  | 17:42 | 120 | *  | *  | *    | *  | 11: 5 | 1  | 23: 9 | 54 | *  | *  | *  | *  |
| 22 | 59   | 72  | 92  | 112 | 126 | 130 | 121 | 101 | 74  | 44  | 19 | 3  | 1  | 11  | 32  | 58  | 83  | 103 | 112 | 112 | 103 | 89 | 75 | 65 | 1797 | 74.9 |   | 4:49 | #130 | 18:26 | 113 | *  | *  | *    | *  | 11:41 | #0 | 23:39 | 63 | *  | *  | *  | *  |
| 23 | 63   | 72  | 87  | 105 | 121 | 129 | 126 | 112 | 88  | 61  | 34 | 14 | 4  | 6   | 20  | 40  | 64  | 85  | 100 | 106 | 104 | 96 | 85 | 75 | 1797 | 74.9 |   | 5:16 | 129  | 19:12 | 106 | *  | *  | *    | *  | 12:18 | 3  | *     | *  | *  | *  | *  | *  |
| 24 | 70   | 73  | 83  | 98  | 113 | 123 | 125 | 117 | 100 | 76  | 52 | 30 | 15 | 10  | 16  | 30  | 48  | 68  | 85  | 96  | 99  | 97 | 90 | 83 | 1797 | 74.9 |   | 5:43 | 125  | 20: 4 | 99  | *  | *  | *    | *  | 0: 9  | 70 | 12:57 | 10 | *  | *  | *  | *  |
| 25 | 77   | 76  | 81  | 91  | 103 | 114 | 119 | 117 | 106 | 88  | 68 | 47 | 31 | 21  | 20  | 26  | 38  | 54  | 70  | 83  | 91  | 94 | 92 | 88 | 1795 | 74.8 |   | 6:13 | 119  | 21: 8 | 94  | *  | *  | *    | *  | 0:41  | 76 | 13:41 | 19 | *  | *  | *  | *  |
| 26 | 84   | 81  | 82  | 87  | 94  | 103 | 109 | 111 | 106 | 95  | 80 | 63 | 48 | 36  | 29  | 29  | 34  | 44  | 57  | 69  | 80  | 87 | 91 | 91 | 1790 | 74.6 |   | 6:46 | 111  | 22:40 | 91  | *  | *  | *    | *  | 1:20  | 81 | 14:34 | 28 | *  | *  | *  | *  |
| 27 | 89   | 87  | 85  | 85  | 88  | 93  | 98  | 101 | 100 | 96  | 87 | 76 | 64 | 53  | 44  | 38  | 37  | 40  | 47  | 57  | 68  | 78 | 86 | 91 | 1788 | 74.5 | L | 7:27 | 101  | *     | *   | *  | *  | 2:26 | 85 | 15:46 | 36 | *     | *  | *  | *  |    |    |
| 28 | 93   | 93  | 90  | 87  | 85  | 85  | 86  | 89  | 91  | 91  | 89 | 84 | 77 | 69  | 59  | 51  | 44  | 41  | 42  | 48  | 57  | 67 | 78 | 88 | 1784 | 74.3 |   | 0:16 | 93   | 8:42  | 91  | *  | *  | *    | *  | 4:41  | 84 | 17:14 | 41 | *  | *  | *  | *  |
| 29 | 95   | 97  | 96  | 92  | 86  | 80  | 77  | 76  | 78  | 81  | 85 | 87 | 86 | 82  | 75  | 66  | 56  | 47  | 42  | 42  | 47  | 57 | 70 | 83 | 1783 | 74.3 |   | 1:10 | 97   | 11:17 | 87  | *  | *  | *    | *  | 6:41  | 76 | 18:30 | 41 | *  | *  | *  | *  |
| 30 | 94   | 100 | 102 | 98  | 89  | 79  | 70  | 65  | 65  | 68  | 75 | 83 | 89 | 92  | 89  | 82  | 70  | 58  | 48  | 42  | 42  | 49 | 61 | 76 | 1786 | 74.4 |   | 1:44 | 102  | 13: 1 | 92  | *  | *  | *    | *  | 7:37  | 64 | 19:27 | 41 | *  | *  | *  | *  |

| 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 | 53082 | 73.7 | 22 日 4 時 49 分 | 130 | 1  | 22 日 11 時 41 分 | 0  | 1  |

# 推算潮位（毎時・満干潮）

地点名：小名浜

緯度：36 °56 N

経度：140 °54 E

潮位表基準面の零点：平均海面下 84.0(cm)

2019 年 5 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  | 90   | 101 | 106 | 104 | 95  | 82  | 68  | 57  | 52  | 54 | 62 | 74 | 86 | 96  | 99  | 96  | 86  | 72  | 58  | 46  | 41  | 44  | 54  | 69  | 1792 | 74.7 |   | 2:11  | 106  | 14: 2 | 99  | *  | *  | *    | *  | 8:14  | 52   | 20:11 | 41 | *  | *  | *  | *  |
| 2  | 86   | 100 | 109 | 110 | 102 | 87  | 69  | 53  | 42  | 40 | 46 | 60 | 77 | 93  | 104 | 107 | 101 | 88  | 71  | 56  | 45  | 43  | 49  | 62  | 1800 | 75.0 |   | 2:35  | 111  | 14:48 | 107 | *  | *  | *    | *  | 8:46  | 39   | 20:48 | 42 | *  | *  | *  | *  |
| 3  | 80   | 98  | 111 | 115 | 109 | 95  | 74  | 53  | 36  | 28 | 30 | 43 | 63 | 84  | 102 | 112 | 112 | 102 | 87  | 69  | 54  | 46  | 48  | 58  | 1809 | 75.4 |   | 2:57  | 115  | 15:30 | 113 | *  | *  | *    | *  | 9:17  | 27   | 21:22 | 46 | *  | *  | *  | *  |
| 4  | 75   | 94  | 110 | 118 | 116 | 104 | 82  | 58  | 35  | 20 | 17 | 25 | 44 | 69  | 93  | 110 | 118 | 114 | 101 | 84  | 66  | 54  | 50  | 56  | 1813 | 75.5 |   | 3:19  | 119  | 16:10 | 118 | *  | *  | *    | *  | 9:47  | 16   | 21:53 | 50 | *  | *  | *  | *  |
| 5  | 71   | 89  | 108 | 120 | 122 | 113 | 93  | 67  | 40  | 19 | 8  | 10 | 26 | 50  | 77  | 101 | 116 | 120 | 113 | 98  | 80  | 65  | 57  | 58  | 1821 | 75.9 | N | 3:42  | 123  | 16:49 | 120 | *  | *  | *    | *  | 10:19 | 7    | 22:24 | 56 | *  | *  | *  | *  |
| 6  | 68   | 85  | 104 | 119 | 125 | 120 | 104 | 79  | 50  | 24 | 6  | 1  | 10 | 30  | 57  | 85  | 106 | 118 | 118 | 109 | 93  | 78  | 66  | 62  | 1817 | 75.7 |   | 4: 5  | 125  | 17:31 | 120 | *  | *  | *    | *  | 10:52 | 1    | 22:54 | 62 | *  | *  | *  | *  |
| 7  | 68   | 81  | 99  | 115 | 126 | 126 | 114 | 92  | 64  | 35 | 11 | -1 | 0  | 13  | 37  | 65  | 90  | 108 | 116 | 114 | 103 | 90  | 77  | 70  | 1813 | 75.5 |   | 4:30  | 127  | 18:14 | 117 | *  | *  | *    | *  | 11:27 | # -3 | 23:24 | 69 | *  | *  | *  | *  |
| 8  | 70   | 79  | 94  | 110 | 123 | 127 | 121 | 104 | 79  | 51 | 24 | 5  | -2 | 3   | 20  | 44  | 70  | 92  | 107 | 112 | 108 | 98  | 87  | 78  | 1804 | 75.2 |   | 4:57  | 127  | 19: 1 | 112 | *  | *  | *    | *  | 12: 4 | -2   | 23:55 | 75 | *  | *  | *  | *  |
| 9  | 75   | 80  | 90  | 104 | 117 | 124 | 124 | 113 | 93  | 68 | 42 | 20 | 6  | 2   | 10  | 27  | 50  | 72  | 91  | 103 | 106 | 102 | 95  | 87  | 1801 | 75.0 |   | 5:26  | 125  | 19:56 | 106 | *  | *  | *    | *  | 12:47 | 2    | *     | *  | *  | *  | *  | *  |
| 10 | 82   | 82  | 87  | 97  | 108 | 117 | 121 | 116 | 104 | 84 | 62 | 39 | 21 | 11  | 10  | 18  | 34  | 53  | 72  | 88  | 98  | 101 | 99  | 94  | 1798 | 74.9 |   | 5:58  | 121  | 21: 3 | 101 | *  | *  | *    | *  | 0:30  | 81   | 13:36 | 9  | *  | *  | *  | *  |
| 11 | 89   | 86  | 87  | 92  | 99  | 107 | 112 | 113 | 107 | 96 | 79 | 61 | 43 | 28  | 20  | 19  | 25  | 38  | 54  | 71  | 85  | 94  | 98  | 98  | 1801 | 75.0 |   | 6:37  | 114  | 22:26 | 99  | *  | *  | *    | *  | 1:16  | 86   | 14:37 | 18 | *  | *  | *  | *  |
| 12 | 95   | 91  | 88  | 88  | 91  | 95  | 100 | 103 | 103 | 99 | 91 | 79 | 65 | 50  | 38  | 29  | 27  | 31  | 41  | 55  | 70  | 84  | 94  | 99  | 1806 | 75.3 | U | 7:35  | 104  | 23:44 | 100 | *  | *  | *    | *  | 2:35  | 88   | 15:52 | 27 | *  | *  | *  | *  |
| 13 | 100  | 97  | 93  | 88  | 84  | 83  | 85  | 88  | 92  | 94 | 94 | 91 | 84 | 73  | 61  | 48  | 38  | 34  | 35  | 44  | 57  | 72  | 86  | 97  | 1818 | 75.8 |   | 9:32  | 94   | *     | *   | *  | *  | 4:54 | 83 | 17:13 | 33   | *     | *  | *  | *  |    |    |
| 14 | 103  | 104 | 99  | 91  | 82  | 75  | 70  | 70  | 74  | 80 | 87 | 93 | 95 | 92  | 83  | 71  | 57  | 45  | 39  | 40  | 48  | 61  | 77  | 93  | 1829 | 76.2 |   | 0:36  | 104  | 11:56 | 95  | *  | *  | *    | *  | 6:34  | 70   | 18:24 | 38 | *  | *  | *  | *  |
| 15 | 104  | 109 | 107 | 99  | 86  | 72  | 60  | 54  | 54  | 60 | 71 | 84 | 95 | 101 | 101 | 93  | 79  | 64  | 51  | 44  | 45  | 54  | 69  | 87  | 1843 | 76.8 |   | 1:13  | 109  | 13:27 | 102 | *  | *  | *    | *  | 7:30  | 53   | 19:22 | 43 | *  | *  | *  | *  |
| 16 | 103  | 113 | 115 | 108 | 94  | 76  | 57  | 43  | 36  | 39 | 49 | 66 | 84 | 100 | 109 | 109 | 100 | 85  | 69  | 55  | 49  | 52  | 63  | 80  | 1854 | 77.3 |   | 1:45  | 115  | 14:31 | 110 | *  | *  | *    | *  | 8:14  | 36   | 20:11 | 49 | *  | *  | *  | *  |
| 17 | 99   | 114 | 121 | 119 | 106 | 85  | 62  | 40  | 25  | 21 | 27 | 43 | 65 | 88  | 106 | 115 | 114 | 104 | 88  | 71  | 59  | 55  | 61  | 75  | 1863 | 77.6 |   | 2:15  | 122  | 15:24 | 116 | *  | *  | *    | *  | 8:54  | 21   | 20:54 | 55 | *  | *  | *  | *  |
| 18 | 94   | 112 | 124 | 127 | 118 | 99  | 73  | 46  | 23  | 11 | 10 | 22 | 43 | 69  | 93  | 112 | 120 | 117 | 105 | 88  | 73  | 63  | 62  | 72  | 1876 | 78.2 |   | 2:44  | 127  | 16:13 | 120 | *  | *  | *    | *  | 9:32  | 9    | 21:33 | 61 | *  | *  | *  | *  |
| 19 | 88   | 107 | 123 | 131 | 128 | 113 | 88  | 59  | 31  | 10 | 1  | 6  | 22 | 47  | 75  | 99  | 115 | 121 | 115 | 103 | 87  | 74  | 67  | 71  | 1881 | 78.4 | F | 3:14  | 132  | 16:58 | 121 | *  | *  | *    | *  | 10:10 | 1    | 22:10 | 67 | *  | *  | *  | *  |
| 20 | 83   | 101 | 118 | 131 | 134 | 124 | 103 | 75  | 45  | 19 | 2  | -2 | 8  | 28  | 55  | 82  | 104 | 116 | 119 | 112 | 99  | 85  | 75  | 73  | 1889 | 78.7 |   | 3:44  | #134 | 17:42 | 119 | *  | *  | *    | *  | 10:47 | -2   | 22:45 | 72 | *  | *  | *  | *  |
| 21 | 80   | 94  | 111 | 126 | 134 | 131 | 116 | 92  | 62  | 34 | 11 | 0  | 1  | 15  | 37  | 63  | 88  | 106 | 115 | 114 | 106 | 94  | 83  | 77  | 1890 | 78.8 |   | 4:14  | #134 | 18:25 | 116 | *  | *  | *    | *  | 11:23 | -1   | 23:19 | 76 | *  | *  | *  | *  |
| 22 | 78   | 88  | 103 | 118 | 129 | 132 | 124 | 105 | 79  | 51 | 26 | 9  | 3  | 9   | 25  | 48  | 72  | 92  | 106 | 111 | 109 | 101 | 90  | 82  | 1890 | 78.8 |   | 4:45  | 132  | 19: 8 | 112 | *  | *  | *    | *  | 12: 0 | 3    | 23:55 | 79 | *  | *  | *  | *  |
| 23 | 79   | 83  | 94  | 108 | 121 | 127 | 125 | 113 | 93  | 69 | 44 | 24 | 12 | 11  | 20  | 37  | 57  | 78  | 95  | 105 | 107 | 104 | 96  | 88  | 1890 | 78.8 |   | 5:18  | 128  | 19:52 | 107 | *  | *  | *    | *  | 12:37 | 10   | *     | *  | *  | *  | *  | *  |
| 24 | 82   | 82  | 88  | 98  | 110 | 118 | 121 | 116 | 102 | 83 | 61 | 41 | 26 | 19  | 21  | 31  | 47  | 65  | 82  | 95  | 102 | 103 | 100 | 93  | 1886 | 78.6 |   | 5:52  | 121  | 20:41 | 104 | *  | *  | *    | *  | 0:34  | 81   | 13:17 | 19 | *  | *  | *  | *  |
| 25 | 87   | 83  | 84  | 90  | 98  | 107 | 112 | 112 | 105 | 92 | 75 | 58 | 43 | 32  | 28  | 32  | 41  | 55  | 71  | 85  | 95  | 100 | 101 | 98  | 1884 | 78.5 |   | 6:30  | 113  | 21:37 | 101 | *  | *  | *    | *  | 1:20  | 83   | 14: 1 | 28 | *  | *  | *  | *  |
| 26 | 93   | 87  | 84  | 85  | 88  | 94  | 100 | 104 | 102 | 96 | 85 | 72 | 59 | 47  | 40  | 37  | 41  | 49  | 61  | 74  | 86  | 95  | 100 | 101 | 1880 | 78.3 |   | 7:16  | 104  | 22:39 | 101 | *  | *  | *    | *  | 2:25  | 84   | 14:54 | 37 | *  | *  | *  | *  |
| 27 | 98   | 93  | 87  | 83  | 82  | 83  | 87  | 91  | 94  | 93 | 89 | 82 | 73 | 63  | 54  | 48  | 46  | 48  | 55  | 66  | 78  | 89  | 97  | 102 | 1881 | 78.4 | L | 8:24  | 94   | 23:38 | 103 | *  | *  | *    | *  | 3:59  | 82   | 15:59 | 46 | *  | *  | *  | *  |
| 28 | 103  | 99  | 93  | 86  | 79  | 75  | 75  | 77  | 81  | 85 | 88 | 87 | 84 | 77  | 70  | 61  | 55  | 52  | 53  | 60  | 70  | 81  | 93  | 101 | 1885 | 78.5 |   | 10:21 | 88   | *     | *   | *  | *  | 5:40 | 74 | 17:11 | 52   | *     | *  | *  | *  |    |    |
| 29 | 106  | 105 | 100 | 91  | 80  | 71  | 64  | 63  | 66  | 73 | 80 | 86 | 90 | 89  | 84  | 77  | 68  | 60  | 56  | 58  | 64  | 75  | 87  | 99  | 1892 | 78.8 |   | 0:24  | 106  | 12:21 | 90  | *  | *  | *    | *  | 6:47  | 63   | 18:17 | 56 | *  | *  | *  | *  |
| 30 | 107  | 110 | 107 | 98  | 85  | 70  | 58  | 51  | 51  | 57 | 67 | 79 | 89 | 96  | 96  | 92  | 83  | 72  | 64  | 60  | 62  | 69  | 81  | 95  | 1899 | 79.1 |   | 1: 0  | 110  | 13:38 | 97  | *  | *  | *    | *  | 7:33  | 50   | 19:13 | 60 | *  | *  | *  | *  |
| 31 | 107  | 114 | 114 | 106 | 92  | 74  | 56  | 43  | 37  | 39 | 50 | 66 | 82 | 96  | 104 | 104 | 98  | 87  | 75  | 67  | 63  | 67  | 77  | 90  | 1908 | 79.5 |   | 1:31  | 115  | 14:33 | 105 | *  | *  | *    | *  | 8:11  | 37   | 20: 0 | 63 | *  | *  | *  | *  |

| 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      | 57313        | 77.0          | 21日 4時 14分 | 134 | 2  | 7日 11時 27分 | -3 | 1  |

# 推算潮位（毎時・満干潮）

地点名：小名浜

緯度：36 °56 N

経度：140 °54 E

潮位表基準面の零点：平均海面下 84.0(cm)

2019 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  | 116 | 120 | 115 | 102 | 82  | 59  | 39  | 27  | 24  | 31 | 48 | 68 | 89  | 105 | 112 | 111 | 102 | 89  | 77  | 69  | 67  | 74  | 86  | 1917 | 79.9 |   | 2:0   | 120  | 15:20 | 113 | *  | *  | *    | *  | 8:46  | 23  | 20:42 | 67 | *  | *  | *  | *  |
| 2  | 101  | 115 | 124 | 123 | 113 | 93  | 68  | 42  | 22  | 12  | 14 | 28 | 49 | 74  | 97  | 113 | 118 | 114 | 104 | 90  | 78  | 72  | 73  | 82  | 1919 | 80.0 |   | 2:28  | 125  | 16:4  | 118 | *  | *  | *    | *  | 9:21  | 11  | 21:20 | 71 | *  | *  | *  | *  |
| 3  | 97   | 112 | 125 | 129 | 123 | 106 | 81  | 52  | 26  | 8   | 2  | 9  | 28 | 54  | 82  | 104 | 118 | 122 | 115 | 103 | 90  | 79  | 76  | 80  | 1921 | 80.0 | N | 2:57  | 129  | 16:48 | 122 | *  | *  | *    | *  | 9:57  | 2   | 21:57 | 76 | *  | *  | *  | *  |
| 4  | 92   | 108 | 123 | 132 | 131 | 119 | 97  | 68  | 38  | 12  | -2 | -3 | 9  | 32  | 61  | 88  | 110 | 121 | 121 | 113 | 101 | 89  | 81  | 80  | 1921 | 80.0 |   | 3:28  | 133  | 17:33 | 122 | *  | *  | *    | *  | 10:35 | -5  | 22:33 | 80 | *  | *  | *  | *  |
| 5  | 88   | 101 | 117 | 130 | 135 | 130 | 112 | 86  | 56  | 26  | 4  | -7 | -3 | 13  | 39  | 68  | 94  | 112 | 120 | 119 | 110 | 98  | 88  | 83  | 1919 | 80.0 |   | 4:1   | 135  | 18:19 | 121 | *  | *  | *    | *  | 11:15 | #-7 | 23:10 | 83 | *  | *  | *  | *  |
| 6  | 85   | 95  | 109 | 124 | 133 | 134 | 124 | 104 | 76  | 46  | 19 | 1  | -5 | 2   | 21  | 46  | 73  | 97  | 112 | 117 | 114 | 106 | 95  | 87  | 1915 | 79.8 |   | 4:36  | 135  | 19:7  | 117 | *  | *  | *    | *  | 11:57 | -5  | 23:50 | 85 | *  | *  | *  | *  |
| 7  | 85   | 90  | 100 | 114 | 126 | 132 | 129 | 117 | 95  | 69  | 41 | 18 | 4  | 2   | 11  | 30  | 54  | 78  | 98  | 110 | 114 | 110 | 102 | 93  | 1922 | 80.1 |   | 5:15  | 132  | 19:56 | 114 | *  | *  | *    | *  | 12:42 | 1   | *     | *  | *  | *  | *  | *  |
| 8  | 87   | 87  | 92  | 102 | 113 | 123 | 126 | 122 | 108 | 88  | 65 | 41 | 22 | 12  | 12  | 22  | 40  | 61  | 82  | 99  | 108 | 110 | 106 | 99  | 1927 | 80.3 |   | 5:58  | 126  | 20:48 | 111 | *  | *  | *    | *  | 0:35  | 86  | 13:30 | 11 | *  | *  | *  | *  |
| 9  | 91   | 86  | 86  | 91  | 99  | 108 | 115 | 117 | 112 | 101 | 84 | 65 | 46 | 31  | 23  | 24  | 34  | 49  | 68  | 86  | 100 | 108 | 109 | 104 | 1937 | 80.7 |   | 6:50  | 117  | 21:40 | 109 | *  | *  | *    | *  | 1:32  | 85  | 14:23 | 23 | *  | *  | *  | *  |
| 10 | 97   | 89  | 84  | 82  | 85  | 91  | 98  | 104 | 106 | 104 | 96 | 84 | 69 | 54  | 42  | 36  | 37  | 45  | 59  | 75  | 91  | 103 | 109 | 109 | 1949 | 81.2 | U | 8:0   | 106  | 22:30 | 110 | *  | *  | *    | *  | 2:49  | 82  | 15:21 | 35 | *  | *  | *  | *  |
| 11 | 104  | 96  | 87  | 79  | 75  | 75  | 79  | 85  | 92  | 96  | 97 | 94 | 87 | 76  | 64  | 54  | 48  | 49  | 56  | 68  | 83  | 97  | 107 | 112 | 1960 | 81.7 |   | 9:45  | 97   | 23:18 | 113 | *  | *  | *    | *  | 4:27  | 75  | 16:25 | 48 | *  | *  | *  | *  |
| 12 | 111  | 104 | 94  | 82  | 71  | 64  | 62  | 65  | 71  | 80  | 89 | 94 | 96 | 93  | 85  | 75  | 65  | 59  | 59  | 65  | 77  | 91  | 104 | 113 | 1969 | 82.0 |   | 11:50 | 96   | *     | *   | *  | *  | 5:55 | 62 | 17:31 | 58  | *     | *  | *  | *  |    |    |
| 13 | 117  | 114 | 104 | 90  | 74  | 60  | 50  | 47  | 50  | 59  | 72 | 85 | 95 | 101 | 100 | 94  | 84  | 74  | 68  | 68  | 74  | 85  | 99  | 112 | 1976 | 82.3 |   | 0:3   | 117  | 13:25 | 101 | *  | *  | *    | *  | 7:0   | 47  | 18:33 | 67 | *  | *  | *  | *  |
| 14 | 120  | 122 | 116 | 103 | 84  | 64  | 47  | 35  | 32  | 38  | 51 | 67 | 85 | 99  | 107 | 108 | 101 | 91  | 81  | 74  | 74  | 81  | 93  | 108 | 1981 | 82.5 |   | 0:44  | 122  | 14:34 | 108 | *  | *  | *    | *  | 7:51  | 32  | 19:30 | 74 | *  | *  | *  | *  |
| 15 | 120  | 127 | 126 | 116 | 98  | 75  | 52  | 33  | 22  | 21  | 30 | 47 | 68 | 89  | 105 | 114 | 114 | 106 | 95  | 85  | 79  | 80  | 88  | 101 | 1991 | 83.0 |   | 1:24  | 128  | 15:29 | 115 | *  | *  | *    | *  | 8:35  | 20  | 20:21 | 78 | *  | *  | *  | *  |
| 16 | 116  | 128 | 133 | 128 | 113 | 91  | 64  | 39  | 20  | 11  | 14 | 27 | 48 | 73  | 95  | 112 | 119 | 117 | 108 | 96  | 86  | 82  | 85  | 95  | 2000 | 83.3 |   | 2:2   | 133  | 16:16 | 119 | *  | *  | *    | *  | 9:16  | 11  | 21:7  | 81 | *  | *  | *  | *  |
| 17 | 109  | 124 | 134 | 135 | 126 | 107 | 81  | 53  | 27  | 10  | 5  | 12 | 30 | 54  | 80  | 103 | 117 | 122 | 117 | 107 | 95  | 86  | 83  | 89  | 2006 | 83.6 | F | 2:40  | 136  | 16:59 | 122 | *  | *  | *    | *  | 9:55  | 5   | 21:50 | 83 | *  | *  | *  | *  |
| 18 | 101  | 116 | 130 | 137 | 135 | 121 | 98  | 70  | 42  | 18  | 5  | 4  | 16 | 37  | 63  | 89  | 109 | 120 | 121 | 115 | 103 | 92  | 85  | 85  | 2012 | 83.8 |   | 3:17  | #138 | 17:39 | 122 | *  | *  | *    | *  | 10:33 | 3   | 22:29 | 84 | *  | *  | *  | *  |
| 19 | 93   | 107 | 122 | 134 | 138 | 131 | 113 | 88  | 59  | 32  | 13 | 5  | 9  | 24  | 48  | 74  | 97  | 113 | 120 | 118 | 110 | 98  | 88  | 84  | 2018 | 84.1 |   | 3:53  | #138 | 18:16 | 121 | *  | *  | *    | *  | 11:9  | 4   | 23:7  | 83 | *  | *  | *  | *  |
| 20 | 87   | 97  | 112 | 126 | 135 | 135 | 124 | 103 | 77  | 50  | 26 | 12 | 9  | 18  | 36  | 59  | 83  | 103 | 115 | 118 | 114 | 104 | 93  | 85  | 2021 | 84.2 |   | 4:29  | 136  | 18:52 | 118 | *  | *  | *    | *  | 11:45 | 8   | 23:45 | 83 | *  | *  | *  | *  |
| 21 | 83   | 89  | 101 | 115 | 127 | 132 | 128 | 114 | 92  | 67  | 43 | 24 | 15 | 17  | 29  | 49  | 71  | 92  | 107 | 115 | 115 | 108 | 98  | 89  | 2020 | 84.2 |   | 5:5   | 132  | 19:27 | 116 | *  | *  | *    | *  | 12:20 | 15  | *     | *  | *  | *  | *  | *  |
| 22 | 83   | 83  | 91  | 103 | 116 | 125 | 126 | 119 | 103 | 82  | 60 | 40 | 27 | 22  | 28  | 42  | 61  | 81  | 98  | 110 | 114 | 111 | 103 | 94  | 2022 | 84.3 |   | 5:42  | 127  | 20:3  | 114 | *  | *  | *    | *  | 0:24  | 82  | 12:55 | 22 | *  | *  | *  | *  |
| 23 | 85   | 82  | 84  | 92  | 103 | 113 | 119 | 118 | 109 | 93  | 74 | 56 | 41 | 32  | 32  | 40  | 55  | 72  | 89  | 103 | 111 | 112 | 108 | 99  | 2022 | 84.3 |   | 6:22  | 119  | 20:41 | 112 | *  | *  | *    | *  | 1:8   | 82  | 13:31 | 31 | *  | *  | *  | *  |
| 24 | 90   | 83  | 81  | 83  | 90  | 99  | 107 | 110 | 108 | 99  | 86 | 70 | 56 | 46  | 41  | 44  | 52  | 66  | 81  | 96  | 106 | 111 | 111 | 105 | 2021 | 84.2 |   | 7:7   | 110  | 21:21 | 112 | *  | *  | *    | *  | 2:1   | 81  | 14:10 | 41 | *  | *  | *  | *  |
| 25 | 97   | 88  | 81  | 78  | 80  | 85  | 92  | 99  | 101 | 99  | 92 | 82 | 71 | 60  | 53  | 51  | 55  | 63  | 75  | 89  | 101 | 109 | 112 | 110 | 2023 | 84.3 | L | 8:6   | 101  | 22:4  | 112 | *  | *  | *    | *  | 3:8   | 78  | 14:54 | 51 | *  | *  | *  | *  |
| 26 | 104  | 95  | 85  | 78  | 74  | 74  | 78  | 84  | 90  | 93  | 93 | 90 | 83 | 75  | 68  | 63  | 61  | 65  | 72  | 83  | 95  | 105 | 112 | 113 | 2033 | 84.7 |   | 9:31  | 94   | 22:50 | 113 | *  | *  | *    | *  | 4:29  | 73  | 15:48 | 61 | *  | *  | *  | *  |
| 27 | 110  | 102 | 92  | 81  | 71  | 65  | 64  | 67  | 74  | 82  | 88 | 92 | 91 | 88  | 83  | 77  | 72  | 70  | 73  | 80  | 90  | 100 | 109 | 115 | 2036 | 84.8 |   | 11:29 | 92   | 23:36 | 116 | *  | *  | *    | *  | 5:45  | 64  | 16:53 | 70 | *  | *  | *  | *  |
| 28 | 115  | 111 | 101 | 87  | 73  | 61  | 53  | 52  | 56  | 65  | 76 | 87 | 94 | 97  | 96  | 91  | 85  | 80  | 78  | 80  | 86  | 96  | 106 | 115 | 2041 | 85.0 |   | 13:12 | 97   | *     | *   | *  | *  | 6:45 | 52 | 18:3  | 78  | *     | *  | *  | *  |    |    |
| 29 | 119  | 118 | 111 | 97  | 80  | 62  | 48  | 39  | 39  | 46  | 59 | 75 | 90 | 100 | 106 | 105 | 100 | 92  | 86  | 83  | 85  | 92  | 102 | 112 | 2046 | 85.3 |   | 0:20  | 120  | 14:22 | 106 | *  | *  | *    | *  | 7:33  | 38  | 19:8  | 83 | *  | *  | *  | *  |
| 30 | 121  | 124 | 121 | 109 | 91  | 69  | 48  | 32  | 25  | 27  | 39 | 57 | 77 | 95  | 109 | 114 | 113 | 106 | 97  | 90  | 87  | 89  | 97  | 108 | 2045 | 85.2 |   | 1:1   | 124  | 15:16 | 115 | *  | *  | *    | *  | 8:16  | 24  | 20:4  | 87 | *  | *  | *  | *  |

| 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 | 59490 | 82.6 | 19日3時53分 | 138 | 2  | 5日11時15分 | -7 | 1  |

# 推算潮位（毎時・満干潮）

地点名：小名浜

緯度：36 °56 N

経度：140 °54 E

潮位表基準面の零点：平均海面下 84.0(cm)

2019 年 7 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  | 120  | 128 | 130 | 122 | 106 | 83  | 57  | 34  | 17  | 12  | 18  | 34 | 57 | 82  | 103 | 116 | 121 | 118 | 109 | 99  | 92  | 89  | 93  | 103 | 2043 | 85.1 |   | 1:42  | 130  | 16: 3 | 121 | *  | *  | *    | *  | 8:58  | 12   | 20:53 | 89  | *  | *  | *  | *  |
| 2  | 116  | 128 | 135 | 134 | 122 | 101 | 73  | 44  | 20  | 5   | 3   | 13 | 34 | 61  | 88  | 110 | 122 | 125 | 120 | 110 | 99  | 92  | 91  | 97  | 2043 | 85.1 |   | 2:22  | 136  | 16:48 | 126 | *  | *  | *    | *  | 9:40  | 2    | 21:39 | 90  | *  | *  | *  | *  |
| 3  | 109  | 123 | 135 | 141 | 136 | 120 | 94  | 63  | 33  | 9   | -3  | -2 | 13 | 38  | 67  | 95  | 115 | 126 | 126 | 119 | 107 | 96  | 90  | 92  | 2042 | 85.1 | N | 3: 4  | 141  | 17:32 | 127 | *  | *  | *    | *  | 10:23 | -4   | 22:21 | 90  | *  | *  | *  | *  |
| 4  | 100  | 114 | 129 | 140 | 143 | 135 | 115 | 87  | 54  | 25  | 3   | -6 | 0  | 18  | 45  | 75  | 101 | 119 | 126 | 124 | 115 | 103 | 93  | 88  | 2046 | 85.3 |   | 3:46  | #144 | 18:14 | 127 | *  | *  | *    | *  | 11: 7 | # -6 | 23: 4 | 88  | *  | *  | *  | *  |
| 5  | 92   | 103 | 118 | 133 | 142 | 142 | 131 | 109 | 79  | 48  | 21  | 3  | -2 | 7   | 28  | 55  | 83  | 107 | 121 | 125 | 120 | 109 | 97  | 88  | 2059 | 85.8 |   | 4:31  | #144 | 18:54 | 125 | *  | *  | *    | *  | 11:50 | -2   | 23:47 | 85  | *  | *  | *  | *  |
| 6  | 85   | 91  | 103 | 119 | 132 | 140 | 138 | 124 | 102 | 74  | 45  | 22 | 8  | 8   | 19  | 41  | 67  | 92  | 111 | 121 | 122 | 114 | 102 | 91  | 2071 | 86.3 |   | 5:17  | 140  | 19:32 | 123 | *  | *  | *    | *  | 12:33 | 6    | *     | *   | *  | *  | *  | *  |
| 7  | 83   | 82  | 89  | 102 | 116 | 128 | 133 | 129 | 116 | 95  | 70  | 46 | 28 | 19  | 22  | 35  | 56  | 79  | 101 | 115 | 121 | 118 | 109 | 96  | 2088 | 87.0 |   | 6: 7  | 133  | 20: 8 | 121 | *  | *  | *    | *  | 0:35  | 81   | 13:15 | 18  | *  | *  | *  | *  |
| 8  | 85   | 78  | 78  | 85  | 96  | 109 | 119 | 123 | 119 | 108 | 90  | 70 | 51 | 38  | 33  | 38  | 52  | 71  | 91  | 108 | 119 | 121 | 115 | 104 | 2101 | 87.5 |   | 7: 3  | 123  | 20:44 | 121 | *  | *  | *    | *  | 1:28  | 77   | 13:58 | 33  | *  | *  | *  | *  |
| 9  | 91   | 80  | 73  | 73  | 78  | 88  | 99  | 107 | 111 | 109 | 101 | 88 | 73 | 60  | 51  | 49  | 56  | 69  | 85  | 102 | 115 | 121 | 120 | 112 | 2111 | 88.0 | U | 8: 9  | 111  | 21:21 | 122 | *  | *  | *    | *  | 2:32  | 72   | 14:42 | 49  | *  | *  | *  | *  |
| 10 | 101  | 87  | 75  | 68  | 66  | 69  | 77  | 86  | 95  | 100 | 101 | 97 | 89 | 80  | 71  | 65  | 65  | 71  | 83  | 97  | 110 | 120 | 123 | 120 | 2116 | 88.2 |   | 9:39  | 101  | 22: 2 | 123 | *  | *  | *    | *  | 3:50  | 66   | 15:30 | 64  | *  | *  | *  | *  |
| 11 | 111  | 99  | 84  | 71  | 61  | 57  | 59  | 65  | 74  | 83  | 91  | 96 | 97 | 94  | 88  | 82  | 78  | 78  | 84  | 93  | 105 | 116 | 123 | 125 | 2114 | 88.1 |   | 11:43 | 97   | 22:50 | 125 | *  | *  | *    | *  | 5:14  | 57   | 16:28 | 78  | *  | *  | *  | *  |
| 12 | 121  | 111 | 97  | 81  | 65  | 53  | 47  | 47  | 53  | 63  | 75  | 87 | 96 | 101 | 101 | 98  | 93  | 88  | 88  | 92  | 100 | 110 | 120 | 126 | 2113 | 88.0 |   | 13:33 | 102  | 23:45 | 128 | *  | *  | *    | *  | 6:30  | 46   | 17:39 | 87  | *  | *  | *  | *  |
| 13 | 128  | 123 | 112 | 96  | 77  | 58  | 44  | 36  | 36  | 44  | 56  | 72 | 88 | 100 | 108 | 109 | 106 | 100 | 95  | 93  | 96  | 103 | 113 | 123 | 2116 | 88.2 |   | 14:46 | 110  | *     | *   | *  | *  | 7:30 | 35 | 18:54 | 93   | *     | *   | *  | *  |    |    |
| 14 | 129  | 131 | 125 | 112 | 93  | 71  | 50  | 34  | 27  | 28  | 38  | 54 | 74 | 93  | 107 | 115 | 116 | 111 | 104 | 97  | 94  | 97  | 105 | 116 | 2121 | 88.4 |   | 0:42  | 131  | 15:36 | 117 | *  | *  | *    | *  | 8:21  | 26   | 20: 0 | 94  | *  | *  | *  | *  |
| 15 | 126  | 133 | 134 | 126 | 110 | 87  | 63  | 41  | 25  | 19  | 23  | 37 | 57 | 80  | 101 | 115 | 122 | 120 | 113 | 103 | 95  | 93  | 97  | 106 | 2126 | 88.6 |   | 1:34  | 134  | 16:16 | 122 | *  | *  | *    | *  | 9: 4  | 19   | 20:54 | 93  | *  | *  | *  | *  |
| 16 | 119  | 130 | 137 | 136 | 125 | 105 | 80  | 53  | 31  | 17  | 15  | 23 | 41 | 65  | 89  | 109 | 122 | 125 | 120 | 110 | 99  | 92  | 91  | 97  | 2131 | 88.8 |   | 2:21  | 138  | 16:52 | 125 | *  | *  | *    | *  | 9:44  | 14   | 21:40 | 90  | *  | *  | *  | *  |
| 17 | 109  | 123 | 135 | 140 | 136 | 121 | 98  | 70  | 44  | 23  | 13  | 15 | 28 | 50  | 75  | 99  | 117 | 126 | 125 | 117 | 105 | 93  | 87  | 89  | 2138 | 89.1 | F | 3: 4  | 140  | 17:24 | 126 | *  | *  | *    | *  | 10:21 | 12   | 22:19 | 87  | *  | *  | *  | *  |
| 18 | 98   | 112 | 128 | 138 | 141 | 132 | 114 | 88  | 60  | 35  | 18  | 13 | 20 | 38  | 62  | 87  | 109 | 122 | 126 | 121 | 110 | 97  | 87  | 83  | 2139 | 89.1 |   | 3:44  | 141  | 17:54 | 126 | *  | *  | *    | *  | 10:55 | 13   | 22:55 | 83  | *  | *  | *  | *  |
| 19 | 88   | 101 | 117 | 132 | 140 | 138 | 125 | 104 | 77  | 51  | 29  | 18 | 18 | 30  | 51  | 76  | 99  | 116 | 125 | 124 | 115 | 102 | 89  | 81  | 2146 | 89.4 |   | 4:21  | 140  | 18:23 | 126 | *  | *  | *    | *  | 11:28 | 16   | 23:31 | 80  | *  | *  | *  | *  |
| 20 | 81   | 90  | 104 | 121 | 133 | 138 | 132 | 116 | 93  | 67  | 44  | 28 | 22 | 28  | 44  | 66  | 89  | 109 | 121 | 124 | 119 | 107 | 94  | 83  | 2153 | 89.7 |   | 4:58  | 138  | 18:50 | 125 | *  | *  | *    | *  | 11:59 | 22   | *     | *   | *  | *  | *  | *  |
| 21 | 78   | 81  | 92  | 107 | 122 | 131 | 132 | 123 | 105 | 82  | 59  | 41 | 30 | 31  | 41  | 59  | 81  | 101 | 116 | 123 | 122 | 113 | 100 | 87  | 2157 | 89.9 |   | 5:35  | 133  | 19:17 | 124 | *  | *  | *    | *  | 0: 7  | 78   | 12:29 | 29  | *  | *  | *  | *  |
| 22 | 78   | 76  | 82  | 94  | 108 | 120 | 126 | 123 | 112 | 94  | 74  | 55 | 43 | 38  | 43  | 56  | 75  | 94  | 111 | 121 | 123 | 117 | 106 | 93  | 2162 | 90.1 |   | 6:13  | 126  | 19:45 | 123 | *  | *  | *    | *  | 0:45  | 75   | 12:59 | 38  | *  | *  | *  | *  |
| 23 | 81   | 75  | 75  | 82  | 93  | 106 | 115 | 118 | 114 | 102 | 86  | 70 | 56 | 49  | 49  | 57  | 71  | 88  | 105 | 117 | 122 | 120 | 112 | 100 | 2163 | 90.1 |   | 6:56  | 118  | 20:13 | 122 | *  | *  | *    | *  | 1:28  | 74   | 13:28 | 48  | *  | *  | *  | *  |
| 24 | 87   | 77  | 72  | 73  | 80  | 90  | 100 | 107 | 109 | 105 | 95  | 83 | 71 | 62  | 59  | 62  | 72  | 85  | 99  | 112 | 120 | 122 | 117 | 107 | 2166 | 90.3 |   | 7:46  | 109  | 20:44 | 122 | *  | *  | *    | *  | 2:19  | 72   | 13:59 | 59  | *  | *  | *  | *  |
| 25 | 95   | 83  | 74  | 69  | 70  | 75  | 84  | 93  | 99  | 101 | 98  | 92 | 84 | 76  | 72  | 71  | 76  | 84  | 96  | 107 | 116 | 121 | 120 | 114 | 2170 | 90.4 | L | 8:55  | 101  | 21:20 | 122 | *  | *  | *    | *  | 3:22  | 69   | 14:36 | 71  | *  | *  | *  | *  |
| 26 | 104  | 91  | 79  | 69  | 64  | 63  | 67  | 75  | 84  | 91  | 96  | 96 | 94 | 90  | 86  | 83  | 83  | 87  | 94  | 103 | 112 | 119 | 122 | 120 | 2172 | 90.5 |   | 10:41 | 97   | 22: 4 | 122 | *  | *  | *    | *  | 4:37  | 63   | 15:27 | 82  | *  | *  | *  | *  |
| 27 | 113  | 102 | 89  | 75  | 63  | 55  | 53  | 57  | 65  | 76  | 86  | 94 | 99 | 100 | 99  | 96  | 93  | 93  | 95  | 100 | 108 | 115 | 121 | 123 | 2170 | 90.4 |   | 12:57 | 100  | 23: 1 | 123 | *  | *  | *    | *  | 5:51  | 53   | 16:45 | 93  | *  | *  | *  | *  |
| 28 | 121  | 113 | 101 | 85  | 69  | 54  | 44  | 41  | 45  | 55  | 69  | 84 | 96 | 105 | 109 | 109 | 106 | 102 | 99  | 100 | 104 | 110 | 118 | 124 | 2163 | 90.1 |   | 14:24 | 109  | *     | *   | *  | *  | 6:55 | 41 | 18:21 | 99   | *     | *   | *  | *  |    |    |
| 29 | 127  | 124 | 116 | 101 | 81  | 61  | 43  | 31  | 28  | 34  | 47  | 66 | 85 | 102 | 113 | 118 | 117 | 112 | 106 | 102 | 101 | 105 | 112 | 121 | 2153 | 89.7 |   | 0: 6  | 127  | 15:18 | 119 | *  | *  | *    | *  | 7:50  | 28   | 19:41 | 101 | *  | *  | *  | *  |
| 30 | 129  | 133 | 130 | 119 | 100 | 76  | 51  | 31  | 18  | 16  | 25  | 43 | 66 | 90  | 109 | 121 | 126 | 122 | 115 | 106 | 101 | 100 | 104 | 114 | 2145 | 89.4 |   | 1: 7  | 133  | 16: 1 | 126 | *  | *  | *    | *  | 8:40  | 15   | 20:41 | 99  | *  | *  | *  | *  |
| 31 | 125  | 135 | 140 | 135 | 121 | 98  | 70  | 42  | 19  | 7   | 8   | 21 | 43 | 70  | 97  | 117 | 128 | 130 | 123 | 113 | 103 | 96  | 96  | 103 | 2140 | 89.2 |   | 2: 3  | 140  | 16:40 | 130 | *  | *  | *    | *  | 9:27  | 6    | 21:30 | 95  | *  | *  | *  | *  |

| 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      | 65778        | 88.4          | 5日4時31分 | 144 | 2  | 4日11時7分 | -6 | 1  |

# 推算潮位 ( 毎時・満干潮 )

地点名: 小名浜

緯度: 36 °56 N

経度: 140 °54 E

潮位表基準面の零点: 平均海面下 84.0(cm)

2019 年 8 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  | 116  | 130 | 142 | 146 | 139 | 121 | 94  | 63  | 33  | 11  | 1   | 5   | 22  | 49  | 78  | 105 | 124 | 132 | 130 | 120 | 107 | 95  | 89  | 92  | 2144 | 89.3 | N | 2:55  | 146  | 17:15 | 132 | *  | *  | *    | *  | 10:12 | #0  | 22:14 | 89  | *  | *  | *  | *  |
| 2  | 102  | 118 | 135 | 147 | 150 | 140 | 119 | 89  | 56  | 27  | 7   | 1   | 9   | 31  | 59  | 89  | 114 | 129 | 133 | 126 | 113 | 98  | 86  | 82  | 2160 | 90.0 |   | 3:44  | 150  | 17:49 | 133 | *  | *  | *    | *  | 10:55 | 1   | 22:56 | 82  | *  | *  | *  | *  |
| 3  | 88   | 101 | 120 | 138 | 149 | 149 | 137 | 114 | 84  | 52  | 25  | 9   | 8   | 21  | 45  | 74  | 101 | 122 | 132 | 130 | 119 | 103 | 87  | 76  | 2184 | 91.0 |   | 4:33  | 151  | 18:20 | 132 | *  | *  | *    | *  | 11:35 | 7   | 23:38 | 74  | *  | *  | *  | *  |
| 4  | 75   | 84  | 100 | 119 | 136 | 146 | 144 | 131 | 107 | 78  | 50  | 28  | 18  | 22  | 38  | 63  | 90  | 113 | 128 | 132 | 125 | 110 | 92  | 77  | 2206 | 91.9 |   | 5:22  | 147  | 18:49 | 132 | *  | *  | *    | *  | 12:14 | 18  | *     | *   | *  | *  | *  | *  |
| 5  | 68   | 70  | 80  | 97  | 116 | 131 | 138 | 135 | 121 | 100 | 75  | 52  | 37  | 33  | 41  | 59  | 82  | 105 | 123 | 132 | 129 | 118 | 101 | 83  | 2226 | 92.8 |   | 6:12  | 139  | 19:17 | 132 | *  | *  | *    | *  | 0:22  | 68  | 12:50 | 32  | *  | *  | *  | *  |
| 6  | 69   | 63  | 66  | 77  | 93  | 109 | 122 | 127 | 123 | 111 | 94  | 75  | 58  | 50  | 51  | 61  | 79  | 100 | 118 | 130 | 132 | 125 | 111 | 93  | 2237 | 93.2 |   | 7: 5  | 127  | 19:45 | 132 | *  | *  | *    | *  | 1:10  | 63  | 13:24 | 49  | *  | *  | *  | *  |
| 7  | 76   | 64  | 59  | 63  | 73  | 86  | 100 | 110 | 115 | 112 | 103 | 91  | 78  | 69  | 65  | 70  | 81  | 97  | 113 | 126 | 132 | 130 | 121 | 106 | 2240 | 93.3 |   | 8: 6  | 115  | 20:15 | 133 | *  | *  | *    | *  | 2: 4  | 59  | 13:57 | 65  | *  | *  | *  | *  |
| 8  | 89   | 73  | 62  | 57  | 60  | 67  | 78  | 89  | 98  | 103 | 103 | 99  | 92  | 85  | 81  | 81  | 86  | 96  | 109 | 121 | 129 | 132 | 127 | 117 | 2234 | 93.1 | U | 9:29  | 103  | 20:51 | 132 | *  | *  | *    | *  | 3: 9  | 57  | 14:31 | 80  | *  | *  | *  | *  |
| 9  | 103  | 87  | 72  | 61  | 55  | 55  | 60  | 69  | 78  | 88  | 94  | 98  | 99  | 98  | 95  | 93  | 93  | 98  | 105 | 115 | 123 | 129 | 130 | 125 | 2223 | 92.6 |   | 11:48 | 99   | 21:38 | 130 | *  | *  | *    | *  | 4:31  | 55  | 15:18 | 93  | *  | *  | *  | *  |
| 10 | 116  | 103 | 88  | 73  | 60  | 52  | 50  | 52  | 60  | 70  | 81  | 91  | 99  | 104 | 105 | 104 | 102 | 102 | 104 | 109 | 115 | 122 | 127 | 128 | 2217 | 92.4 |   | 13:58 | 105  | 22:48 | 128 | *  | *  | *    | *  | 5:59  | 50  | 16:47 | 102 | *  | *  | *  | *  |
| 11 | 125  | 117 | 105 | 89  | 73  | 58  | 47  | 42  | 44  | 52  | 65  | 79  | 93  | 105 | 112 | 114 | 112 | 108 | 105 | 104 | 107 | 113 | 119 | 125 | 2213 | 92.2 |   | 14:56 | 114  | *     | *   | *  | *  | 7:12 | 42 | 18:39 | 104 | *     | *   | *  | *  |    |    |
| 12 | 128  | 127 | 120 | 107 | 89  | 70  | 52  | 40  | 35  | 38  | 49  | 64  | 82  | 100 | 113 | 120 | 120 | 115 | 108 | 102 | 100 | 103 | 109 | 118 | 2209 | 92.0 |   | 0:13  | 129  | 15:32 | 120 | *  | *  | *    | *  | 8: 7  | 35  | 19:59 | 100 | *  | *  | *  | *  |
| 13 | 126  | 131 | 131 | 122 | 107 | 86  | 64  | 45  | 33  | 29  | 35  | 49  | 69  | 90  | 109 | 121 | 125 | 122 | 114 | 104 | 96  | 94  | 98  | 108 | 2208 | 92.0 |   | 1:23  | 132  | 16: 2 | 125 | *  | *  | *    | *  | 8:52  | 29  | 20:52 | 94  | *  | *  | *  | *  |
| 14 | 119  | 130 | 136 | 134 | 123 | 104 | 80  | 56  | 37  | 26  | 26  | 36  | 55  | 78  | 101 | 118 | 128 | 128 | 120 | 108 | 96  | 89  | 89  | 96  | 2213 | 92.2 |   | 2:16  | 136  | 16:29 | 129 | *  | *  | *    | *  | 9:30  | 25  | 21:32 | 88  | *  | *  | *  | *  |
| 15 | 109  | 124 | 136 | 140 | 135 | 120 | 97  | 71  | 47  | 30  | 23  | 28  | 43  | 66  | 91  | 112 | 126 | 130 | 125 | 113 | 99  | 87  | 81  | 85  | 2218 | 92.4 | F | 3: 0  | 140  | 16:55 | 130 | *  | *  | *    | *  | 10: 5 | 23  | 22: 7 | 81  | *  | *  | *  | *  |
| 16 | 97   | 113 | 129 | 140 | 142 | 133 | 113 | 88  | 61  | 39  | 26  | 24  | 35  | 55  | 80  | 104 | 122 | 131 | 129 | 119 | 103 | 88  | 78  | 76  | 2225 | 92.7 |   | 3:39  | 143  | 17:19 | 131 | *  | *  | *    | *  | 10:36 | 23  | 22:40 | 76  | *  | *  | *  | *  |
| 17 | 84   | 100 | 119 | 135 | 143 | 140 | 126 | 103 | 77  | 52  | 34  | 26  | 32  | 48  | 71  | 95  | 116 | 129 | 131 | 123 | 109 | 92  | 78  | 71  | 2234 | 93.1 |   | 4:16  | 143  | 17:42 | 132 | *  | *  | *    | *  | 11: 6 | 26  | 23:12 | 70  | *  | *  | *  | *  |
| 18 | 74   | 87  | 105 | 124 | 137 | 141 | 134 | 116 | 92  | 67  | 46  | 34  | 33  | 44  | 64  | 88  | 110 | 126 | 132 | 128 | 115 | 97  | 81  | 69  | 2244 | 93.5 |   | 4:51  | 141  | 18: 4 | 132 | *  | *  | *    | *  | 11:33 | 32  | 23:44 | 66  | *  | *  | *  | *  |
| 19 | 67   | 75  | 90  | 110 | 126 | 136 | 136 | 124 | 105 | 82  | 60  | 45  | 39  | 45  | 61  | 82  | 104 | 121 | 131 | 130 | 120 | 104 | 86  | 71  | 2250 | 93.8 |   | 5:27  | 137  | 18:26 | 132 | *  | *  | *    | *  | 11:59 | 39  | *     | *   | *  | *  | *  | *  |
| 20 | 64   | 66  | 77  | 94  | 112 | 126 | 131 | 127 | 114 | 94  | 74  | 58  | 49  | 50  | 61  | 78  | 98  | 117 | 129 | 132 | 125 | 111 | 94  | 77  | 2258 | 94.1 |   | 6: 4  | 131  | 18:49 | 132 | *  | *  | *    | *  | 0:18  | 63  | 12:24 | 48  | *  | *  | *  | *  |
| 21 | 65   | 62  | 67  | 80  | 96  | 111 | 122 | 124 | 117 | 104 | 87  | 72  | 61  | 59  | 64  | 77  | 95  | 112 | 125 | 131 | 128 | 117 | 102 | 85  | 2263 | 94.3 |   | 6:44  | 124  | 19:11 | 131 | *  | *  | *    | *  | 0:54  | 61  | 12:49 | 58  | *  | *  | *  | *  |
| 22 | 70   | 62  | 61  | 68  | 80  | 95  | 108 | 115 | 115 | 108 | 97  | 85  | 74  | 70  | 71  | 80  | 93  | 108 | 120 | 128 | 129 | 122 | 110 | 94  | 2263 | 94.3 |   | 7:31  | 116  | 19:36 | 130 | *  | *  | *    | *  | 1:35  | 60  | 13:14 | 69  | *  | *  | *  | *  |
| 23 | 78   | 66  | 60  | 61  | 67  | 78  | 90  | 101 | 107 | 107 | 102 | 95  | 87  | 82  | 81  | 85  | 94  | 105 | 116 | 125 | 128 | 125 | 116 | 104 | 2260 | 94.2 | L | 8:32  | 108  | 20: 4 | 128 | *  | *  | *    | *  | 2:25  | 59  | 13:42 | 81  | *  | *  | *  | *  |
| 24 | 89   | 75  | 64  | 58  | 58  | 63  | 72  | 83  | 92  | 99  | 101 | 101 | 98  | 95  | 93  | 93  | 97  | 104 | 112 | 120 | 125 | 126 | 122 | 113 | 2253 | 93.9 |   | 10:12 | 102  | 20:40 | 126 | *  | *  | *    | *  | 3:32  | 58  | 14:14 | 93  | *  | *  | *  | *  |
| 25 | 101  | 88  | 74  | 63  | 55  | 53  | 55  | 63  | 73  | 84  | 93  | 100 | 103 | 105 | 104 | 104 | 104 | 106 | 110 | 115 | 120 | 123 | 124 | 121 | 2241 | 93.4 |   | 13:10 | 105  | 21:40 | 124 | *  | *  | *    | *  | 4:57  | 53  | 15:21 | 104 | *  | *  | *  | *  |
| 26 | 114  | 103 | 89  | 74  | 60  | 49  | 44  | 45  | 52  | 64  | 77  | 91  | 102 | 110 | 114 | 114 | 112 | 110 | 109 | 110 | 113 | 118 | 122 | 125 | 2221 | 92.5 |   | 14:35 | 114  | 23:21 | 125 | *  | *  | *    | *  | 6:21  | 43  | 18: 3 | 109 | *  | *  | *  | *  |
| 27 | 124  | 119 | 108 | 93  | 74  | 56  | 41  | 33  | 33  | 41  | 56  | 75  | 93  | 108 | 119 | 123 | 121 | 117 | 111 | 107 | 106 | 109 | 115 | 122 | 2204 | 91.8 |   | 15:12 | 123  | *     | *   | *  | *  | 7:28 | 32 | 19:43 | 106 | *     | *   | *  | *  |    |    |
| 28 | 129  | 131 | 126 | 114 | 95  | 72  | 49  | 31  | 22  | 23  | 34  | 53  | 77  | 99  | 117 | 127 | 129 | 124 | 115 | 105 | 99  | 98  | 103 | 113 | 2185 | 91.0 |   | 0:53  | 131  | 15:43 | 129 | *  | *  | *    | *  | 8:24  | 21  | 20:39 | 98  | *  | *  | *  | *  |
| 29 | 125  | 136 | 140 | 135 | 120 | 96  | 69  | 42  | 22  | 13  | 17  | 33  | 57  | 84  | 109 | 126 | 133 | 131 | 121 | 107 | 95  | 88  | 89  | 98  | 2186 | 91.1 |   | 2: 0  | 140  | 16:13 | 134 | *  | *  | *    | *  | 9:12  | 13  | 21:23 | 88  | *  | *  | *  | *  |
| 30 | 113  | 130 | 143 | 148 | 141 | 122 | 95  | 64  | 36  | 17  | 11  | 19  | 39  | 67  | 96  | 120 | 134 | 136 | 127 | 112 | 95  | 82  | 76  | 81  | 2204 | 91.8 | N | 2:56  | 148  | 16:41 | 136 | *  | *  | *    | *  | 9:56  | 10  | 22: 2 | 76  | *  | *  | *  | *  |
| 31 | 95   | 115 | 135 | 149 | 153 | 143 | 121 | 91  | 59  | 32  | 17  | 15  | 28  | 53  | 82  | 110 | 130 | 138 | 133 | 119 | 99  | 80  | 67  | 65  | 2229 | 92.9 |   | 3:47  | #153 | 17: 8 | 138 | *  | *  | *    | *  | 10:35 | 14  | 22:41 | 65  | *  | *  | *  | *  |

| 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 | 68852 | 92.5 | 31日 3時 47分 | 153 | 1  | 1日 10時 12分 | 0  | 1  |



# 推算潮位（毎時・満干潮）

地点名：小名浜

緯度：36 °56 N

経度：140 °54 E

潮位表基準面の零点：平均海面下 84.0(cm)

2019 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 | 時刻 | 潮位 |
| 1  | 75   | 93  | 116 | 138 | 151 | 152 | 140 | 116 | 86  | 56  | 34  | 23  | 27  | 45  | 71  | 100 | 124 | 137 | 138 | 127 | 107 | 85  | 66  | 56  | 2263 | 94.3 |   | 4:35  | #153 | 17:33 | 139 | *  | *  | *    | *  | 11:12 | #23 | 23:21 | 55  | *  | *  | *  | *  |
| 2  | 57   | 71  | 92  | 116 | 137 | 148 | 146 | 132 | 109 | 82  | 57  | 40  | 36  | 46  | 67  | 92  | 117 | 135 | 141 | 134 | 117 | 94  | 71  | 54  | 2291 | 95.5 |   | 5:23  | 149  | 17:58 | 141 | *  | *  | *    | *  | 11:46 | 36  | *     | *   | *  | *  |    |    |
| 3  | 48   | 54  | 70  | 92  | 114 | 132 | 140 | 136 | 122 | 102 | 79  | 61  | 51  | 54  | 68  | 89  | 112 | 131 | 141 | 139 | 127 | 106 | 83  | 62  | 2313 | 96.4 |   | 6:11  | 140  | 18:23 | 142 | *  | *  | *    | *  | 0:2   | 48  | 12:17 | 51  | *  | *  | *  | *  |
| 4  | 48   | 45  | 53  | 70  | 90  | 109 | 123 | 128 | 124 | 112 | 96  | 80  | 69  | 66  | 74  | 89  | 108 | 126 | 138 | 141 | 134 | 118 | 97  | 75  | 2313 | 96.4 |   | 7:2   | 128  | 18:48 | 142 | *  | *  | *    | *  | 0:45  | 45  | 12:46 | 66  | *  | *  | *  | *  |
| 5  | 57   | 47  | 46  | 55  | 69  | 86  | 102 | 112 | 116 | 113 | 105 | 94  | 85  | 80  | 82  | 91  | 105 | 120 | 133 | 139 | 137 | 127 | 110 | 90  | 2301 | 95.9 |   | 8:0   | 116  | 19:15 | 140 | *  | *  | *    | *  | 1:32  | 45  | 13:13 | 80  | *  | *  | *  | *  |
| 6  | 72   | 57  | 50  | 50  | 57  | 68  | 81  | 93  | 102 | 105 | 105 | 101 | 97  | 93  | 92  | 96  | 104 | 115 | 126 | 133 | 135 | 130 | 120 | 105 | 2287 | 95.3 | U | 9:21  | 106  | 19:48 | 135 | *  | *  | *    | *  | 2:29  | 49  | 13:39 | 92  | *  | *  | *  | *  |
| 7  | 89   | 73  | 61  | 54  | 53  | 57  | 65  | 74  | 84  | 93  | 99  | 102 | 103 | 103 | 102 | 102 | 105 | 111 | 118 | 124 | 128 | 129 | 124 | 115 | 2268 | 94.5 |   | 12:6  | 103  | 20:31 | 129 | *  | *  | *    | *  | 3:44  | 53  | 14:12 | 102 | *  | *  | *  | *  |
| 8  | 104  | 91  | 78  | 66  | 58  | 54  | 55  | 60  | 68  | 78  | 88  | 97  | 104 | 109 | 110 | 110 | 109 | 109 | 111 | 114 | 118 | 121 | 122 | 120 | 2254 | 93.9 |   | 14:10 | 110  | 21:52 | 122 | *  | *  | *    | *  | 5:21  | 54  | 16:27 | 109 | *  | *  | *  | *  |
| 9  | 115  | 107 | 96  | 83  | 69  | 58  | 51  | 50  | 54  | 63  | 75  | 88  | 101 | 111 | 116 | 117 | 114 | 110 | 106 | 105 | 107 | 111 | 115 | 119 | 2241 | 93.4 |   | 14:40 | 117  | 23:59 | 121 | *  | *  | *    | *  | 6:46  | 50  | 18:55 | 105 | *  | *  | *  | *  |
| 10 | 121  | 119 | 112 | 100 | 85  | 69  | 55  | 46  | 44  | 50  | 61  | 77  | 94  | 109 | 119 | 123 | 121 | 114 | 106 | 99  | 96  | 99  | 105 | 113 | 2237 | 93.2 |   | 15:5  | 123  | *     | *   | *  | *  | 7:46 | 44 | 20:3  | 96  | *     | *   | *  | *  |    |    |
| 11 | 121  | 125 | 124 | 116 | 102 | 84  | 65  | 49  | 40  | 40  | 49  | 64  | 84  | 103 | 118 | 126 | 126 | 119 | 108 | 97  | 89  | 87  | 92  | 102 | 2230 | 92.9 |   | 1:21  | 126  | 15:29 | 127 | *  | *  | *    | *  | 8:31  | 39  | 20:45 | 87  | *  | *  | *  | *  |
| 12 | 115  | 126 | 132 | 129 | 118 | 100 | 78  | 58  | 42  | 36  | 40  | 53  | 73  | 95  | 114 | 127 | 131 | 125 | 113 | 98  | 85  | 78  | 80  | 90  | 2236 | 93.2 |   | 2:14  | 132  | 15:52 | 131 | *  | *  | *    | *  | 9:8   | 36  | 21:19 | 78  | *  | *  | *  | *  |
| 13 | 105  | 121 | 133 | 137 | 131 | 116 | 94  | 70  | 50  | 37  | 35  | 44  | 62  | 85  | 108 | 125 | 133 | 130 | 118 | 102 | 85  | 72  | 69  | 76  | 2238 | 93.3 |   | 2:56  | 137  | 16:14 | 133 | *  | *  | *    | *  | 9:40  | 34  | 21:49 | 69  | *  | *  | *  | *  |
| 14 | 91   | 110 | 128 | 139 | 140 | 129 | 110 | 85  | 62  | 44  | 36  | 40  | 55  | 77  | 101 | 121 | 133 | 134 | 124 | 107 | 88  | 71  | 62  | 64  | 2251 | 93.8 | F | 3:34  | 141  | 16:35 | 135 | *  | *  | *    | *  | 10:10 | 36  | 22:19 | 61  | *  | *  | *  | *  |
| 15 | 77   | 96  | 118 | 135 | 142 | 138 | 123 | 101 | 76  | 55  | 42  | 40  | 51  | 70  | 94  | 116 | 131 | 136 | 130 | 114 | 93  | 73  | 59  | 55  | 2265 | 94.4 |   | 4:10  | 142  | 16:55 | 136 | *  | *  | *    | *  | 10:37 | 39  | 22:49 | 55  | *  | *  | *  | *  |
| 16 | 63   | 81  | 103 | 124 | 138 | 141 | 132 | 114 | 91  | 68  | 52  | 45  | 51  | 66  | 88  | 111 | 128 | 137 | 134 | 121 | 100 | 78  | 60  | 50  | 2276 | 94.8 |   | 4:45  | 142  | 17:15 | 137 | *  | *  | *    | *  | 11:3  | 45  | 23:19 | 50  | *  | *  | *  | *  |
| 17 | 52   | 66  | 87  | 110 | 128 | 138 | 136 | 123 | 104 | 82  | 64  | 54  | 54  | 65  | 84  | 106 | 125 | 136 | 137 | 127 | 108 | 86  | 65  | 50  | 2287 | 95.3 |   | 5:20  | 139  | 17:35 | 138 | *  | *  | *    | *  | 11:28 | 53  | 23:50 | 46  | *  | *  | *  | *  |
| 18 | 46   | 54  | 71  | 93  | 114 | 129 | 134 | 128 | 114 | 95  | 77  | 65  | 61  | 68  | 82  | 102 | 120 | 133 | 138 | 131 | 116 | 95  | 73  | 55  | 2294 | 95.6 |   | 5:57  | 134  | 17:55 | 138 | *  | *  | *    | *  | 11:52 | 61  | *     | *   | *  | *  | *  | *  |
| 19 | 45   | 47  | 58  | 77  | 97  | 115 | 126 | 127 | 119 | 105 | 90  | 77  | 71  | 73  | 83  | 99  | 116 | 129 | 136 | 134 | 122 | 104 | 83  | 63  | 2296 | 95.7 |   | 6:37  | 127  | 18:15 | 137 | *  | *  | *    | *  | 0:23  | 45  | 12:15 | 71  | *  | *  | *  | *  |
| 20 | 50   | 45  | 50  | 63  | 80  | 98  | 112 | 119 | 118 | 111 | 100 | 89  | 82  | 81  | 87  | 98  | 112 | 125 | 133 | 134 | 127 | 112 | 93  | 74  | 2293 | 95.5 |   | 7:23  | 120  | 18:37 | 134 | *  | *  | *    | *  | 0:59  | 45  | 12:38 | 81  | *  | *  | *  | *  |
| 21 | 58   | 48  | 47  | 53  | 65  | 80  | 95  | 106 | 111 | 111 | 106 | 99  | 93  | 91  | 93  | 100 | 110 | 120 | 128 | 131 | 128 | 119 | 104 | 87  | 2283 | 95.1 |   | 8:23  | 112  | 19:2  | 131 | *  | *  | *    | *  | 1:44  | 46  | 13:2  | 91  | *  | *  | *  | *  |
| 22 | 71   | 58  | 50  | 49  | 53  | 63  | 75  | 88  | 98  | 104 | 106 | 105 | 103 | 101 | 101 | 104 | 109 | 116 | 122 | 126 | 126 | 122 | 113 | 101 | 2264 | 94.3 | L | 10:6  | 106  | 19:34 | 127 | *  | *  | *    | *  | 2:44  | 48  | 13:27 | 101 | *  | *  | *  | *  |
| 23 | 87   | 73  | 61  | 53  | 49  | 51  | 57  | 67  | 79  | 90  | 99  | 105 | 108 | 110 | 110 | 110 | 111 | 113 | 116 | 119 | 121 | 121 | 118 | 112 | 2240 | 93.3 |   | 20:32 | 121  | *     | *   | *  | *  | 4:11 | 49 | *     | *   | *     | *   | *  | *  |    |    |
| 24 | 103  | 92  | 79  | 65  | 54  | 46  | 45  | 49  | 58  | 71  | 85  | 98  | 109 | 115 | 118 | 117 | 115 | 112 | 110 | 110 | 111 | 114 | 117 | 118 | 2211 | 92.1 |   | 14:15 | 118  | 23:2  | 118 | *  | *  | *    | *  | 5:48  | 44  | 18:35 | 110 | *  | *  | *  | *  |
| 25 | 117  | 111 | 100 | 86  | 69  | 53  | 41  | 36  | 40  | 51  | 67  | 85  | 103 | 116 | 124 | 125 | 120 | 113 | 106 | 100 | 99  | 102 | 108 | 116 | 2188 | 91.2 |   | 14:41 | 125  | *     | *   | *  | *  | 7:5  | 36 | 19:49 | 99  | *     | *   | *  | *  |    |    |
| 26 | 123  | 126 | 122 | 110 | 91  | 70  | 49  | 35  | 29  | 34  | 48  | 69  | 91  | 111 | 125 | 131 | 127 | 117 | 105 | 93  | 86  | 86  | 93  | 105 | 2176 | 90.7 |   | 0:55  | 126  | 15:6  | 131 | *  | *  | *    | *  | 8:3   | 29  | 20:32 | 85  | *  | *  | *  | *  |
| 27 | 119  | 131 | 136 | 132 | 117 | 94  | 69  | 45  | 30  | 26  | 34  | 53  | 77  | 102 | 123 | 134 | 134 | 124 | 108 | 90  | 76  | 70  | 74  | 86  | 2184 | 91.0 |   | 2:4   | 136  | 15:30 | 135 | *  | *  | *    | *  | 8:50  | 26  | 21:9  | 70  | *  | *  | *  | *  |
| 28 | 105  | 124 | 139 | 145 | 139 | 120 | 94  | 66  | 43  | 29  | 29  | 42  | 64  | 92  | 117 | 134 | 139 | 132 | 115 | 93  | 72  | 58  | 55  | 64  | 2210 | 92.1 |   | 2:59  | 145  | 15:55 | 139 | *  | *  | *    | *  | 9:32  | 27  | 21:46 | 55  | *  | *  | *  | *  |
| 29 | 83   | 107 | 130 | 146 | 150 | 140 | 119 | 92  | 64  | 43  | 34  | 39  | 56  | 82  | 109 | 131 | 142 | 139 | 124 | 101 | 76  | 54  | 43  | 44  | 2248 | 93.7 | N | 3:48  | 150  | 16:19 | 142 | *  | *  | *    | *  | 10:9  | 34  | 22:23 | 42  | *  | *  | *  | *  |
| 30 | 59   | 82  | 109 | 133 | 148 | 149 | 137 | 115 | 88  | 64  | 48  | 45  | 55  | 76  | 102 | 126 | 142 | 145 | 134 | 113 | 85  | 59  | 39  | 32  | 2285 | 95.2 |   | 4:36  | 150  | 16:43 | 145 | *  | *  | *    | *  | 10:44 | 44  | 23:1  | 32  | *  | *  | *  | *  |

| 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      | 67723        | 94.1          | 1日4時35分 | 153 | 1  | 1日11時12分 | 23 | 1  |

# 推算潮位（毎時・満干潮）

地点名：小名浜

緯度：36 °56 N

経度：140 °54 E

潮位表基準面の零点：平均海面下 84.0(cm)

2019 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  | 39   | 58  | 84  | 111 | 133 | 145 | 143 | 130 | 109 | 86  | 67  | 57  | 60  | 75  | 97  | 121 | 139 | 147 | 142 | 125 | 99  | 71  | 46  | 30  | 2314 | 96.4 |   | 5:23  | 146 | 17: 7 | 148  | *  | *  | *    | *  | 11:15 | 57 | 23:40 | 27   | *  | *  | *  | *  |
| 2  | 28   | 39  | 60  | 86  | 111 | 130 | 137 | 134 | 121 | 103 | 85  | 73  | 70  | 78  | 95  | 116 | 135 | 146 | 147 | 135 | 113 | 86  | 59  | 39  | 2326 | 96.9 |   | 6:10  | 137 | 17:32 | 148  | *  | *  | *    | *  | 11:45 | 69 | *     | *    | *  | *  |    |    |
| 3  | 28   | 30  | 44  | 65  | 88  | 109 | 123 | 127 | 123 | 112 | 99  | 87  | 81  | 84  | 95  | 111 | 128 | 141 | 146 | 140 | 124 | 102 | 77  | 54  | 2318 | 96.6 |   | 6:59  | 127 | 17:58 | 146  | *  | *  | *    | *  | 0:20  | 28 | 12:12 | 81   | *  | *  | *  | *  |
| 4  | 38   | 32  | 37  | 50  | 68  | 88  | 104 | 114 | 117 | 114 | 107 | 98  | 92  | 91  | 97  | 108 | 121 | 133 | 140 | 140 | 130 | 114 | 93  | 72  | 2298 | 95.8 |   | 7:56  | 117 | 18:25 | 141  | *  | *  | *    | *  | 1: 2  | 32 | 12:39 | 91   | *  | *  | *  | *  |
| 5  | 55   | 43  | 40  | 45  | 56  | 71  | 85  | 98  | 106 | 109 | 108 | 105 | 101 | 99  | 100 | 106 | 115 | 124 | 131 | 134 | 130 | 120 | 105 | 89  | 2275 | 94.8 |   | 9:15  | 109 | 18:56 | 134  | *  | *  | *    | *  | 1:51  | 40 | 13: 9 | 99   | *  | *  | *  | *  |
| 6  | 73   | 60  | 51  | 49  | 52  | 60  | 70  | 82  | 92  | 100 | 104 | 107 | 107 | 106 | 106 | 107 | 110 | 115 | 120 | 123 | 124 | 120 | 112 | 102 | 2252 | 93.8 | U | 11:38 | 107 | 19:36 | 124  | *  | *  | *    | *  | 2:55  | 49 | 13:58 | 106  | *  | *  | *  | *  |
| 7  | 90   | 78  | 67  | 59  | 55  | 56  | 60  | 68  | 78  | 88  | 97  | 105 | 110 | 112 | 112 | 110 | 108 | 108 | 109 | 111 | 113 | 114 | 113 | 109 | 2230 | 92.9 |   | 13:20 | 112 | 20:57 | 114  | *  | *  | *    | *  | 4:26  | 55 | 16:49 | 108  | *  | *  | *  | *  |
| 8  | 103  | 95  | 85  | 74  | 65  | 58  | 56  | 58  | 65  | 75  | 87  | 99  | 109 | 116 | 118 | 115 | 110 | 105 | 100 | 99  | 100 | 103 | 107 | 110 | 2212 | 92.2 |   | 13:54 | 118 | 23:45 | 111  | *  | *  | *    | *  | 6: 0  | 56 | 19: 1 | 99   | *  | *  | *  | *  |
| 9  | 111  | 108 | 101 | 91  | 78  | 66  | 57  | 53  | 55  | 64  | 76  | 91  | 106 | 117 | 122 | 121 | 115 | 105 | 96  | 89  | 87  | 90  | 97  | 105 | 2201 | 91.7 |   | 14:20 | 123 | *     | *    | *  | *  | 7: 8 | 53 | 19:53 | 87 | *     | *    | *  | *  |    |    |
| 10 | 113  | 117 | 115 | 107 | 94  | 78  | 64  | 53  | 50  | 54  | 66  | 82  | 100 | 115 | 125 | 127 | 121 | 109 | 95  | 83  | 76  | 76  | 84  | 95  | 2199 | 91.6 |   | 1:14  | 117 | 14:44 | 127  | *  | *  | *    | *  | 7:57  | 50 | 20:28 | 75   | *  | *  | *  | *  |
| 11 | 108  | 119 | 124 | 121 | 110 | 93  | 75  | 59  | 50  | 49  | 57  | 73  | 92  | 111 | 125 | 131 | 127 | 115 | 98  | 81  | 68  | 64  | 69  | 82  | 2201 | 91.7 |   | 2: 8  | 124 | 15: 6 | 131  | *  | *  | *    | *  | 8:35  | 48 | 20:58 | 64   | *  | *  | *  | *  |
| 12 | 99   | 115 | 127 | 130 | 124 | 109 | 89  | 70  | 55  | 48  | 52  | 65  | 85  | 106 | 123 | 133 | 132 | 121 | 103 | 83  | 65  | 55  | 55  | 66  | 2210 | 92.1 |   | 2:50  | 130 | 15:26 | 134  | *  | *  | *    | *  | 9: 8  | 48 | 21:28 | 54   | *  | *  | *  | *  |
| 13 | 85   | 106 | 124 | 134 | 133 | 123 | 104 | 83  | 64  | 53  | 51  | 60  | 78  | 100 | 120 | 133 | 136 | 128 | 110 | 88  | 66  | 50  | 44  | 51  | 2224 | 92.7 |   | 3:28  | 135 | 15:46 | 137  | *  | *  | *    | *  | 9:38  | 50 | 21:57 | 44   | *  | *  | *  | *  |
| 14 | 68   | 91  | 114 | 131 | 138 | 133 | 118 | 98  | 77  | 61  | 55  | 59  | 74  | 94  | 115 | 132 | 139 | 134 | 118 | 95  | 70  | 49  | 37  | 38  | 2238 | 93.3 | F | 4: 4  | 138 | 16: 6 | 139  | *  | *  | *    | *  | 10: 6 | 55 | 22:25 | 36   | *  | *  | *  | *  |
| 15 | 52   | 74  | 100 | 122 | 136 | 138 | 128 | 111 | 91  | 73  | 62  | 62  | 72  | 90  | 111 | 129 | 140 | 139 | 126 | 104 | 78  | 53  | 36  | 31  | 2258 | 94.1 |   | 4:40  | 138 | 16:26 | 141  | *  | *  | *    | *  | 10:32 | 60 | 22:55 | 31   | *  | *  | *  | *  |
| 16 | 38   | 57  | 83  | 108 | 127 | 136 | 134 | 121 | 103 | 85  | 72  | 67  | 73  | 87  | 106 | 125 | 138 | 141 | 133 | 114 | 88  | 62  | 40  | 28  | 2266 | 94.4 |   | 5:16  | 137 | 16:47 | 142  | *  | *  | *    | *  | 10:58 | 67 | 23:26 | 27   | *  | *  | *  | *  |
| 17 | 29   | 43  | 65  | 91  | 114 | 129 | 133 | 127 | 114 | 97  | 83  | 75  | 76  | 86  | 103 | 120 | 135 | 141 | 137 | 122 | 99  | 73  | 49  | 32  | 2273 | 94.7 |   | 5:54  | 133 | 17: 8 | 141  | *  | *  | *    | *  | 11:23 | 75 | 23:58 | 26   | *  | *  | *  | *  |
| 18 | 26   | 33  | 50  | 72  | 96  | 115 | 126 | 127 | 119 | 107 | 94  | 85  | 83  | 88  | 100 | 116 | 130 | 138 | 138 | 128 | 109 | 86  | 61  | 42  | 2269 | 94.5 |   | 6:35  | 128 | 17:30 | 139  | *  | *  | *    | *  | 11:48 | 82 | *     | *    | *  | *  | *  | *  |
| 19 | 30   | 29  | 39  | 56  | 77  | 98  | 113 | 120 | 120 | 113 | 103 | 95  | 91  | 92  | 100 | 112 | 124 | 133 | 136 | 131 | 118 | 98  | 76  | 55  | 2259 | 94.1 |   | 7:24  | 121 | 17:53 | 136  | *  | *  | *    | *  | 0:35  | 28 | 12:14 | 90   | *  | *  | *  | *  |
| 20 | 40   | 33  | 35  | 45  | 61  | 79  | 95  | 108 | 113 | 113 | 109 | 103 | 99  | 98  | 102 | 109 | 118 | 126 | 131 | 130 | 122 | 108 | 91  | 72  | 2240 | 93.3 |   | 8:27  | 114 | 18:20 | 131  | *  | *  | *    | *  | 1:18  | 32 | 12:43 | 98   | *  | *  | *  | *  |
| 21 | 56   | 44  | 38  | 40  | 48  | 61  | 76  | 90  | 101 | 108 | 110 | 109 | 107 | 105 | 106 | 108 | 113 | 118 | 123 | 124 | 121 | 114 | 103 | 89  | 2212 | 92.2 | L | 10:10 | 110 | 18:54 | 124  | *  | *  | *    | *  | 2:15  | 38 | 13:23 | 105  | *  | *  | *  | *  |
| 22 | 75   | 61  | 51  | 44  | 44  | 49  | 58  | 71  | 84  | 96  | 105 | 110 | 113 | 112 | 111 | 110 | 109 | 110 | 112 | 114 | 115 | 114 | 110 | 103 | 2181 | 90.9 |   | 12:26 | 113 | 20: 3 | 115  | *  | *  | *    | *  | 3:36  | 43 | 15:50 | 109  | *  | *  | *  | *  |
| 23 | 94   | 83  | 70  | 58  | 49  | 45  | 47  | 54  | 66  | 81  | 95  | 107 | 115 | 118 | 118 | 114 | 108 | 104 | 101 | 100 | 102 | 105 | 108 | 110 | 2152 | 89.7 |   | 13:19 | 119 | 23: 9 | 110  | *  | *  | *    | *  | 5:13  | 45 | 18:44 | 100  | *  | *  | *  | *  |
| 24 | 109  | 103 | 93  | 79  | 64  | 52  | 44  | 44  | 51  | 65  | 82  | 99  | 113 | 122 | 124 | 120 | 111 | 100 | 91  | 85  | 85  | 89  | 98  | 107 | 2130 | 88.8 |   | 13:49 | 124 | *     | *    | *  | *  | 6:32 | 43 | 19:36 | 84 | *     | *    | *  | *  |    |    |
| 25 | 115  | 118 | 115 | 104 | 87  | 68  | 52  | 43  | 43  | 52  | 68  | 88  | 108 | 123 | 129 | 127 | 117 | 102 | 86  | 73  | 67  | 69  | 79  | 94  | 2127 | 88.6 |   | 0:59  | 118 | 14:15 | 130  | *  | *  | *    | *  | 7:32  | 42 | 20:15 | 67   | *  | *  | *  | *  |
| 26 | 110  | 123 | 129 | 125 | 111 | 92  | 70  | 53  | 44  | 46  | 58  | 78  | 100 | 120 | 133 | 135 | 126 | 108 | 87  | 67  | 53  | 49  | 56  | 72  | 2145 | 89.4 |   | 2: 6  | 129 | 14:40 | 135  | *  | *  | *    | *  | 8:20  | 43 | 20:51 | 49   | *  | *  | *  | *  |
| 27 | 94   | 115 | 131 | 137 | 132 | 116 | 93  | 71  | 55  | 48  | 54  | 70  | 93  | 116 | 133 | 141 | 135 | 119 | 95  | 68  | 46  | 34  | 35  | 48  | 2179 | 90.8 |   | 3: 1  | 137 | 15: 6 | 141  | *  | *  | *    | *  | 9: 2  | 48 | 21:28 | 33   | *  | *  | *  | *  |
| 28 | 70   | 97  | 121 | 137 | 142 | 134 | 116 | 93  | 72  | 59  | 57  | 67  | 87  | 110 | 131 | 144 | 144 | 131 | 107 | 78  | 50  | 29  | 20  | 26  | 2222 | 92.6 | N | 3:50  | 142 | 15:31 | 145  | *  | *  | *    | *  | 9:39  | 56 | 22: 5 | 20   | *  | *  | *  | *  |
| 29 | 45   | 72  | 101 | 125 | 140 | 141 | 131 | 113 | 92  | 74  | 66  | 69  | 83  | 104 | 126 | 143 | 149 | 141 | 121 | 93  | 61  | 34  | 17  | 14  | 2255 | 94.0 |   | 4:38  | 142 | 15:57 | 149  | *  | *  | *    | *  | 10:14 | 66 | 22:43 | 13   | *  | *  | *  | *  |
| 30 | 25   | 48  | 76  | 105 | 127 | 138 | 137 | 126 | 108 | 91  | 78  | 75  | 83  | 100 | 120 | 139 | 150 | 148 | 134 | 109 | 78  | 48  | 24  | 12  | 2279 | 95.0 |   | 5:24  | 139 | 16:24 | #151 | *  | *  | *    | *  | 10:46 | 75 | 23:20 | # 11 | *  | *  | *  | *  |
| 31 | 14   | 30  | 54  | 82  | 107 | 125 | 133 | 130 | 119 | 104 | 91  | 84  | 86  | 97  | 114 | 132 | 145 | 149 | 141 | 122 | 95  | 66  | 39  | 21  | 2280 | 95.0 |   | 6:11  | 133 | 16:51 | 150  | *  | *  | *    | *  | 11:17 | 83 | 23:59 | 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 |
| 744      | 69225        | 93.0          | 30日 16時 24分 | 151 | 1  | 30日 23時 20分 | 11 | 1  |

# 推算潮位 (毎時・満干潮)

地点名: 小名浜

緯度: 36 °56 N

経度: 140 °54 E

潮位表基準面の零点: 平均海面下 84.0(cm)

2019 年 11 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   | 21  | 38  | 62  | 87  | 108 | 121 | 126 | 122 | 112 | 101 | 93  | 90  | 96  | 108 | 123 | 137 | 145 | 143 | 131 | 110 | 84  | 58  | 37  | 2268 | 94.5 |   | 6:59  | 126 | 17:20 | 145  | *  | *  | *    | *  | 11:49 | 90 | *     | *   | *  | *  | *  | *  |
| 2  | 24   | 23  | 32  | 48  | 69  | 90  | 106 | 116 | 118 | 115 | 108 | 100 | 96  | 97  | 103 | 115 | 127 | 136 | 138 | 133 | 118 | 98  | 76  | 55  | 2241 | 93.4 |   | 7:51  | 118 | 17:50 | 138  | *  | *  | *    | *  | 0:38  | 22 | 12:22 | 95  | *  | *  | *  | *  |
| 3  | 40   | 32  | 33  | 43  | 57  | 74  | 91  | 103 | 111 | 113 | 111 | 106 | 102 | 100 | 102 | 107 | 116 | 124 | 129 | 128 | 120 | 107 | 91  | 73  | 2213 | 92.2 |   | 8:56  | 113 | 18:23 | 129  | *  | *  | *    | *  | 1:22  | 32 | 13:4  | 100 | *  | *  | *  | *  |
| 4  | 58   | 47  | 42  | 44  | 52  | 63  | 77  | 90  | 100 | 107 | 110 | 110 | 107 | 104 | 103 | 103 | 107 | 111 | 116 | 118 | 116 | 110 | 100 | 88  | 2183 | 91.0 | U | 10:23 | 110 | 19:4  | 118  | *  | *  | *    | *  | 2:13  | 42 | 14:15 | 103 | *  | *  | *  | *  |
| 5  | 75   | 64  | 56  | 52  | 52  | 58  | 67  | 78  | 89  | 99  | 106 | 111 | 112 | 110 | 107 | 103 | 101 | 101 | 103 | 105 | 106 | 106 | 103 | 97  | 2161 | 90.0 |   | 11:51 | 112 | 20:18 | 106  | *  | *  | *    | *  | 3:22  | 51 | 16:34 | 101 | *  | *  | *  | *  |
| 6  | 90   | 81  | 72  | 64  | 59  | 58  | 61  | 68  | 78  | 90  | 101 | 109 | 114 | 115 | 112 | 107 | 100 | 94  | 91  | 91  | 93  | 96  | 99  | 100 | 2143 | 89.3 |   | 12:45 | 116 | 23:3  | 101  | *  | *  | *    | *  | 4:48  | 57 | 18:33 | 90  | *  | *  | *  | *  |
| 7  | 99   | 95  | 88  | 79  | 70  | 63  | 60  | 62  | 69  | 80  | 93  | 105 | 115 | 120 | 119 | 112 | 102 | 91  | 83  | 78  | 78  | 83  | 90  | 98  | 2132 | 88.8 |   | 13:20 | 120 | *     | *    | *  | *  | 6:6  | 60 | 19:26 | 78 | *     | *   | *  | *  |    |    |
| 8  | 103  | 105 | 102 | 94  | 84  | 72  | 64  | 60  | 63  | 72  | 85  | 100 | 113 | 122 | 124 | 119 | 108 | 93  | 78  | 68  | 64  | 68  | 77  | 89  | 2127 | 88.6 |   | 0:53  | 105 | 13:48 | 124  | *  | *  | *    | *  | 7:4   | 60 | 20:2  | 64  | *  | *  | *  | *  |
| 9  | 101  | 110 | 113 | 108 | 99  | 85  | 73  | 63  | 61  | 66  | 78  | 93  | 110 | 122 | 128 | 126 | 115 | 98  | 79  | 62  | 53  | 52  | 61  | 75  | 2131 | 88.8 |   | 1:55  | 113 | 14:12 | 129  | *  | *  | *    | *  | 7:50  | 61 | 20:33 | 51  | *  | *  | *  | *  |
| 10 | 93   | 108 | 118 | 119 | 113 | 100 | 85  | 71  | 64  | 64  | 72  | 87  | 105 | 121 | 131 | 132 | 122 | 105 | 83  | 61  | 45  | 39  | 44  | 59  | 2141 | 89.2 |   | 2:41  | 120 | 14:35 | 132  | *  | *  | *    | *  | 8:28  | 63 | 21:3  | 39  | *  | *  | *  | *  |
| 11 | 79   | 100 | 117 | 125 | 124 | 114 | 99  | 83  | 70  | 66  | 70  | 82  | 100 | 118 | 131 | 136 | 130 | 114 | 90  | 65  | 43  | 30  | 30  | 41  | 2157 | 89.9 |   | 3:21  | 126 | 14:58 | 136  | *  | *  | *    | *  | 9:2   | 66 | 21:33 | 28  | *  | *  | *  | *  |
| 12 | 62   | 87  | 109 | 125 | 130 | 125 | 112 | 95  | 80  | 71  | 71  | 79  | 95  | 114 | 130 | 139 | 137 | 123 | 100 | 73  | 46  | 27  | 20  | 26  | 2176 | 90.7 | F | 3:59  | 130 | 15:20 | 139  | *  | *  | *    | *  | 9:33  | 70 | 22:3  | 20  | *  | *  | *  | *  |
| 13 | 44   | 69  | 96  | 118 | 130 | 132 | 123 | 108 | 92  | 79  | 74  | 79  | 91  | 109 | 127 | 139 | 141 | 132 | 111 | 84  | 55  | 30  | 16  | 15  | 2194 | 91.4 |   | 4:37  | 133 | 15:43 | 142  | *  | *  | *    | *  | 10:3  | 74 | 22:35 | 13  | *  | *  | *  | *  |
| 14 | 27   | 50  | 78  | 104 | 124 | 132 | 130 | 119 | 104 | 90  | 81  | 81  | 89  | 104 | 122 | 136 | 143 | 138 | 122 | 97  | 67  | 39  | 19  | 10  | 2206 | 91.9 |   | 5:15  | 132 | 16:7  | 143  | *  | *  | *    | *  | 10:32 | 80 | 23:8  | 10  | *  | *  | *  | *  |
| 15 | 15   | 33  | 58  | 86  | 110 | 125 | 130 | 125 | 113 | 100 | 89  | 85  | 89  | 100 | 116 | 131 | 141 | 141 | 131 | 110 | 82  | 54  | 29  | 13  | 2206 | 91.9 |   | 5:56  | 130 | 16:33 | 143  | *  | *  | *    | *  | 11:1  | 85 | 23:43 | 10  | *  | *  | *  | *  |
| 16 | 11   | 21  | 41  | 66  | 92  | 112 | 124 | 125 | 119 | 109 | 98  | 91  | 91  | 98  | 110 | 124 | 136 | 140 | 135 | 120 | 97  | 70  | 44  | 24  | 2198 | 91.6 |   | 6:40  | 126 | 17:1  | 140  | *  | *  | *    | *  | 11:32 | 90 | *     | *   | *  | *  | *  | *  |
| 17 | 14   | 16  | 28  | 49  | 73  | 95  | 111 | 120 | 120 | 114 | 106 | 98  | 95  | 97  | 105 | 117 | 128 | 135 | 135 | 126 | 109 | 87  | 63  | 41  | 2182 | 90.9 |   | 7:31  | 121 | 17:31 | 136  | *  | *  | *    | *  | 0:22  | 13 | 12:5  | 95  | *  | *  | *  | *  |
| 18 | 26   | 20  | 24  | 36  | 55  | 76  | 95  | 108 | 115 | 115 | 111 | 105 | 100 | 99  | 102 | 109 | 118 | 125 | 128 | 126 | 116 | 101 | 82  | 62  | 2154 | 89.8 |   | 8:32  | 116 | 18:6  | 128  | *  | *  | *    | *  | 1:7   | 20 | 12:48 | 99  | *  | *  | *  | *  |
| 19 | 44   | 33  | 28  | 32  | 43  | 59  | 77  | 93  | 105 | 112 | 113 | 110 | 106 | 103 | 102 | 103 | 107 | 113 | 117 | 118 | 115 | 108 | 96  | 81  | 2118 | 88.3 |   | 9:47  | 113 | 18:54 | 118  | *  | *  | *    | *  | 2:1   | 28 | 13:56 | 102 | *  | *  | *  | *  |
| 20 | 66   | 52  | 42  | 38  | 40  | 49  | 62  | 77  | 92  | 104 | 111 | 114 | 112 | 108 | 104 | 100 | 99  | 99  | 102 | 105 | 107 | 106 | 103 | 96  | 2088 | 87.0 | L | 11:6  | 114 | 20:26 | 107  | *  | *  | *    | *  | 3:9   | 38 | 16:10 | 98  | *  | *  | *  | *  |
| 21 | 86   | 74  | 62  | 52  | 46  | 46  | 53  | 64  | 79  | 94  | 106 | 114 | 117 | 115 | 109 | 101 | 93  | 88  | 85  | 86  | 90  | 96  | 100 | 102 | 2058 | 85.8 |   | 12:3  | 117 | 23:9  | 102  | *  | *  | *    | *  | 4:29  | 46 | 18:10 | 85  | *  | *  | *  | *  |
| 22 | 101  | 95  | 85  | 73  | 62  | 54  | 52  | 57  | 68  | 83  | 99  | 112 | 120 | 122 | 117 | 106 | 93  | 81  | 71  | 67  | 70  | 77  | 87  | 98  | 2050 | 85.4 |   | 12:44 | 122 | *     | *    | *  | *  | 5:46 | 52 | 19:9  | 67 | *     | *   | *  | *  |    |    |
| 23 | 106  | 109 | 105 | 96  | 82  | 69  | 60  | 57  | 63  | 75  | 91  | 108 | 121 | 127 | 126 | 115 | 99  | 80  | 63  | 52  | 49  | 54  | 66  | 83  | 2056 | 85.7 |   | 0:58  | 109 | 13:17 | 128  | *  | *  | *    | *  | 6:49  | 57 | 19:53 | 49  | *  | *  | *  | *  |
| 24 | 100  | 112 | 118 | 115 | 104 | 89  | 75  | 65  | 63  | 70  | 84  | 102 | 119 | 131 | 134 | 127 | 110 | 88  | 64  | 44  | 33  | 32  | 42  | 61  | 2082 | 86.8 |   | 2:9   | 118 | 13:48 | 134  | *  | *  | *    | *  | 7:42  | 63 | 20:34 | 31  | *  | *  | *  | *  |
| 25 | 83   | 104 | 119 | 126 | 122 | 110 | 94  | 79  | 70  | 70  | 80  | 96  | 115 | 131 | 140 | 137 | 124 | 101 | 73  | 46  | 26  | 17  | 21  | 36  | 2120 | 88.3 |   | 3:6   | 126 | 14:19 | 140  | *  | *  | *    | *  | 8:28  | 69 | 21:13 | 17  | *  | *  | *  | *  |
| 26 | 60   | 86  | 110 | 126 | 131 | 125 | 111 | 95  | 82  | 75  | 79  | 91  | 109 | 128 | 141 | 145 | 136 | 116 | 88  | 57  | 30  | 12  | 7   | 16  | 2156 | 89.8 |   | 3:56  | 131 | 14:50 | 145  | *  | *  | *    | *  | 9:9   | 75 | 21:51 | 7   | *  | *  | *  | *  |
| 27 | 36   | 64  | 92  | 116 | 129 | 132 | 124 | 110 | 95  | 84  | 81  | 88  | 103 | 121 | 138 | 147 | 145 | 131 | 106 | 74  | 43  | 18  | 4   | 4   | 2185 | 91.0 | N | 4:43  | 132 | 15:21 | 148  | *  | *  | *    | *  | 9:48  | 81 | 22:29 | #2  | *  | *  | *  | *  |
| 28 | 18   | 42  | 71  | 98  | 119 | 130 | 130 | 121 | 107 | 94  | 86  | 87  | 97  | 113 | 131 | 144 | 149 | 141 | 121 | 93  | 61  | 32  | 11  | 2   | 2198 | 91.6 |   | 5:28  | 131 | 15:53 | #149 | *  | *  | *    | *  | 10:24 | 85 | 23:6  | #2  | *  | *  | *  | *  |
| 29 | 8    | 25  | 51  | 79  | 104 | 121 | 128 | 125 | 116 | 103 | 93  | 89  | 93  | 105 | 121 | 136 | 145 | 145 | 132 | 109 | 80  | 50  | 25  | 10  | 2193 | 91.4 |   | 6:11  | 128 | 16:25 | 146  | *  | *  | *    | *  | 11:0  | 89 | 23:44 | 6   | *  | *  | *  | *  |
| 30 | 7    | 16  | 36  | 61  | 87  | 107 | 120 | 124 | 119 | 110 | 99  | 92  | 91  | 98  | 111 | 125 | 137 | 142 | 136 | 120 | 97  | 70  | 44  | 24  | 2173 | 90.5 |   | 6:54  | 124 | 16:59 | 142  | *  | *  | *    | *  | 11:37 | 91 | *     | *   | *  | *  | *  | *  |

| 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 | 64690 | 89.8 | 28日 15時 53分 | 149 | 1  | 28日 23時 6分 | 2  | 2  |

# 推算潮位（毎時・満干潮）

地点名：小名浜

緯度：36 °56 N

経度：140 °54 E

潮位表基準面の零点：平均海面下 84.0(cm)

2019 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  | 14   | 16  | 28  | 48  | 71  | 93  | 109 | 118 | 119 | 114 | 105 | 97  | 92  | 94  | 102 | 113 | 125 | 133 | 133 | 125 | 108 | 86  | 62 | 42 | 2147 | 89.5 |   | 7:37  | 119 | 17:33 | 134  | *  | *  | *    | *  | 0:21  | 14 | 12:16 | 92  | *  | *  | *  | *  |
| 2  | 28   | 23  | 28  | 41  | 59  | 79  | 97  | 109 | 115 | 114 | 109 | 102 | 96  | 93  | 95  | 102 | 112 | 120 | 124 | 122 | 112 | 97  | 78 | 59 | 2114 | 88.1 |   | 8:23  | 115 | 18:10 | 125  | *  | *  | *    | *  | 0:59  | 23 | 13: 3 | 93  | *  | *  | *  | *  |
| 3  | 44   | 35  | 34  | 40  | 53  | 69  | 85  | 99  | 109 | 113 | 111 | 107 | 101 | 95  | 93  | 95  | 100 | 106 | 112 | 114 | 110 | 101 | 89 | 74 | 2089 | 87.0 |   | 9:14  | 113 | 18:53 | 114  | *  | *  | *    | *  | 1:40  | 33 | 14: 5 | 93  | *  | *  | *  | *  |
| 4  | 61   | 50  | 44  | 45  | 51  | 62  | 76  | 89  | 101 | 109 | 112 | 111 | 106 | 100 | 95  | 91  | 91  | 93  | 97  | 101 | 102 | 100 | 94 | 85 | 2066 | 86.1 | U | 10:11 | 112 | 19:55 | 102  | *  | *  | *    | *  | 2:27  | 44 | 15:37 | 90  | *  | *  | *  | *  |
| 5  | 75   | 66  | 58  | 54  | 55  | 60  | 69  | 81  | 93  | 103 | 110 | 113 | 112 | 107 | 99  | 92  | 86  | 83  | 83  | 86  | 89  | 92  | 93 | 91 | 2050 | 85.4 |   | 11: 9 | 113 | 21:48 | 93   | *  | *  | *    | *  | 3:25  | 54 | 17:26 | 82  | *  | *  | *  | *  |
| 6  | 87   | 80  | 73  | 67  | 63  | 62  | 66  | 74  | 85  | 97  | 107 | 113 | 116 | 113 | 106 | 96  | 85  | 76  | 71  | 70  | 74  | 79  | 86 | 91 | 2037 | 84.9 |   | 11:58 | 116 | *     | *    | *  | *  | 4:35 | 62 | 18:40 | 70 | *     | *   | *  | *  |    |    |
| 7  | 93   | 92  | 87  | 81  | 74  | 69  | 68  | 71  | 79  | 90  | 102 | 112 | 118 | 119 | 114 | 103 | 89  | 75  | 63  | 57  | 57  | 64  | 73 | 84 | 2034 | 84.8 |   | 0:10  | 93  | 12:38 | 119  | *  | *  | *    | *  | 5:47  | 68 | 19:26 | 56  | *  | *  | *  | *  |
| 8  | 93   | 99  | 99  | 95  | 88  | 80  | 74  | 72  | 76  | 85  | 97  | 109 | 119 | 123 | 121 | 111 | 96  | 77  | 60  | 47  | 43  | 46  | 57 | 72 | 2039 | 85.0 |   | 1:36  | 100 | 13:11 | 124  | *  | *  | *    | *  | 6:49  | 72 | 20: 3 | 43  | *  | *  | *  | *  |
| 9  | 88   | 100 | 107 | 107 | 102 | 93  | 83  | 77  | 76  | 81  | 91  | 105 | 117 | 126 | 128 | 120 | 105 | 84  | 62  | 43  | 31  | 30  | 39 | 55 | 2050 | 85.4 |   | 2:32  | 108 | 13:41 | 128  | *  | *  | *    | *  | 7:40  | 75 | 20:37 | 29  | *  | *  | *  | *  |
| 10 | 75   | 95  | 109 | 115 | 114 | 106 | 95  | 85  | 79  | 80  | 87  | 100 | 114 | 126 | 132 | 129 | 116 | 94  | 69  | 44  | 26  | 17  | 21 | 36 | 2064 | 86.0 |   | 3:17  | 116 | 14:10 | 132  | *  | *  | *    | *  | 8:23  | 79 | 21:11 | 17  | *  | *  | *  | *  |
| 11 | 58   | 82  | 103 | 117 | 122 | 117 | 107 | 95  | 85  | 81  | 85  | 95  | 110 | 124 | 135 | 136 | 127 | 107 | 81  | 52  | 27  | 11  | 8  | 18 | 2083 | 86.8 |   | 3:58  | 122 | 14:39 | 137  | *  | *  | *    | *  | 9: 2  | 81 | 21:45 | 7   | *  | *  | *  | *  |
| 12 | 38   | 65  | 91  | 112 | 123 | 125 | 118 | 106 | 94  | 86  | 85  | 91  | 104 | 120 | 133 | 140 | 136 | 121 | 96  | 65  | 36  | 13  | 1  | 3  | 2102 | 87.6 | F | 4:38  | 125 | 15:10 | 140  | *  | *  | *    | *  | 9:39  | 84 | 22:20 | 0   | *  | *  | *  | *  |
| 13 | 19   | 44  | 73  | 99  | 118 | 126 | 125 | 116 | 103 | 92  | 87  | 89  | 99  | 113 | 129 | 140 | 142 | 132 | 112 | 83  | 51  | 23  | 3  | -3 | 2115 | 88.1 |   | 5:19  | 127 | 15:42 | #142 | *  | *  | *    | *  | 10:14 | 87 | 22:57 | #-3 | *  | *  | *  | *  |
| 14 | 4    | 24  | 52  | 81  | 105 | 121 | 126 | 122 | 112 | 100 | 91  | 89  | 94  | 106 | 121 | 135 | 142 | 139 | 125 | 101 | 71  | 40  | 15 | 0  | 2116 | 88.2 |   | 6: 0  | 126 | 16:15 | #142 | *  | *  | *    | *  | 10:50 | 88 | 23:36 | #-3 | *  | *  | *  | *  |
| 15 | -2   | 10  | 33  | 60  | 88  | 109 | 121 | 123 | 117 | 107 | 97  | 90  | 91  | 98  | 111 | 125 | 136 | 140 | 133 | 115 | 90  | 61  | 33 | 12 | 2098 | 87.4 |   | 6:44  | 124 | 16:52 | 140  | *  | *  | *    | *  | 11:27 | 90 | *     | *   | *  | *  | *  | *  |
| 16 | 2    | 5   | 19  | 42  | 69  | 93  | 111 | 119 | 119 | 113 | 103 | 94  | 90  | 92  | 101 | 113 | 125 | 133 | 133 | 124 | 106 | 82  | 55 | 32 | 2075 | 86.5 |   | 7:29  | 120 | 17:31 | 134  | *  | *  | *    | *  | 0:17  | 2  | 12: 9 | 90  | *  | *  | *  | *  |
| 17 | 16   | 10  | 15  | 31  | 53  | 76  | 97  | 111 | 117 | 115 | 108 | 99  | 92  | 89  | 92  | 100 | 110 | 119 | 125 | 123 | 113 | 97  | 76 | 55 | 2039 | 85.0 |   | 8:15  | 117 | 18:17 | 125  | *  | *  | *    | *  | 1: 1  | 10 | 13: 0 | 89  | *  | *  | *  | *  |
| 18 | 36   | 24  | 21  | 28  | 43  | 62  | 83  | 100 | 111 | 115 | 112 | 105 | 97  | 90  | 87  | 89  | 95  | 102 | 109 | 113 | 112 | 104 | 91 | 75 | 2004 | 83.5 |   | 9: 2  | 115 | 19:15 | 113  | *  | *  | *    | *  | 1:47  | 21 | 14: 7 | 87  | *  | *  | *  | *  |
| 19 | 59   | 45  | 36  | 35  | 41  | 55  | 72  | 89  | 104 | 112 | 115 | 111 | 104 | 94  | 86  | 82  | 81  | 84  | 90  | 96  | 100 | 101 | 97 | 90 | 1979 | 82.5 | L | 9:51  | 115 | 20:42 | 101  | *  | *  | *    | *  | 2:39  | 34 | 15:39 | 81  | *  | *  | *  | *  |
| 20 | 79   | 67  | 56  | 49  | 49  | 54  | 66  | 80  | 96  | 108 | 115 | 116 | 111 | 102 | 91  | 81  | 73  | 69  | 70  | 74  | 81  | 88  | 93 | 94 | 1962 | 81.8 |   | 10:39 | 116 | 22:56 | 94   | *  | *  | *    | *  | 3:38  | 48 | 17:20 | 69  | *  | *  | *  | *  |
| 21 | 92   | 86  | 77  | 69  | 62  | 61  | 66  | 75  | 89  | 102 | 113 | 119 | 119 | 112 | 101 | 86  | 72  | 60  | 54  | 53  | 58  | 68  | 78 | 89 | 1961 | 81.7 |   | 11:27 | 120 | *     | *    | *  | *  | 4:44 | 61 | 18:36 | 53 | *     | *   | *  | *  |    |    |
| 22 | 96   | 98  | 95  | 88  | 80  | 74  | 71  | 75  | 84  | 97  | 109 | 120 | 124 | 122 | 113 | 98  | 79  | 60  | 46  | 37  | 37  | 45  | 58 | 73 | 1979 | 82.5 |   | 0:58  | 98  | 12:13 | 125  | *  | *  | *    | *  | 5:54  | 71 | 19:32 | 36  | *  | *  | *  | *  |
| 23 | 89   | 100 | 106 | 105 | 98  | 89  | 82  | 79  | 82  | 91  | 104 | 117 | 127 | 130 | 125 | 112 | 92  | 69  | 47  | 30  | 22  | 24  | 35 | 53 | 2008 | 83.7 |   | 2:19  | 106 | 12:57 | 130  | *  | *  | *    | *  | 6:59  | 79 | 20:19 | 21  | *  | *  | *  | *  |
| 24 | 73   | 93  | 107 | 114 | 112 | 105 | 95  | 87  | 84  | 88  | 97  | 111 | 124 | 133 | 135 | 126 | 109 | 84  | 57  | 33  | 16  | 10  | 15 | 31 | 2039 | 85.0 |   | 3:18  | 114 | 13:40 | 135  | *  | *  | *    | *  | 7:57  | 84 | 21: 2 | 10  | *  | *  | *  | *  |
| 25 | 53   | 78  | 100 | 114 | 120 | 117 | 108 | 97  | 88  | 86  | 92  | 103 | 118 | 131 | 139 | 137 | 125 | 102 | 74  | 45  | 20  | 5   | 3  | 13 | 2068 | 86.2 |   | 4: 6  | 120 | 14:20 | 139  | *  | *  | *    | *  | 8:47  | 86 | 21:42 | 2   | *  | *  | *  | *  |
| 26 | 33   | 59  | 85  | 107 | 120 | 123 | 118 | 107 | 95  | 88  | 88  | 95  | 109 | 124 | 137 | 142 | 136 | 119 | 93  | 62  | 33  | 10  | -1 | 1  | 2083 | 86.8 | N | 4:49  | 123 | 15: 0 | #142 | *  | *  | *    | *  | 9:32  | 87 | 22:20 | -2  | *  | *  | *  | *  |
| 27 | 16   | 40  | 68  | 94  | 113 | 123 | 123 | 115 | 103 | 92  | 86  | 88  | 99  | 114 | 130 | 140 | 142 | 131 | 110 | 82  | 51  | 23  | 5  | -1 | 2087 | 87.0 |   | 5:28  | 124 | 15:38 | #142 | *  | *  | *    | *  | 10:14 | 86 | 22:57 | -1  | *  | *  | *  | *  |
| 28 | 6    | 25  | 51  | 78  | 102 | 118 | 123 | 120 | 109 | 97  | 87  | 84  | 90  | 102 | 119 | 133 | 140 | 137 | 123 | 99  | 70  | 41  | 17 | 4  | 2075 | 86.5 |   | 6: 4  | 123 | 16:15 | 141  | *  | *  | *    | *  | 10:52 | 84 | 23:32 | 2   | *  | *  | *  | *  |
| 29 | 4    | 16  | 37  | 63  | 89  | 108 | 119 | 121 | 114 | 102 | 91  | 83  | 83  | 92  | 106 | 121 | 133 | 136 | 129 | 112 | 87  | 59  | 34 | 16 | 2055 | 85.6 |   | 6:38  | 121 | 16:51 | 137  | *  | *  | *    | *  | 11:30 | 82 | *     | *   | *  | *  | *  | *  |
| 30 | 8    | 13  | 29  | 51  | 76  | 98  | 113 | 119 | 116 | 107 | 96  | 85  | 81  | 84  | 94  | 108 | 121 | 129 | 129 | 118 | 99  | 75  | 51 | 31 | 2031 | 84.6 |   | 7:10  | 119 | 17:28 | 130  | *  | *  | *    | *  | 0: 6  | 8  | 12: 8 | 81  | *  | *  | *  | *  |
| 31 | 18   | 17  | 26  | 43  | 64  | 86  | 103 | 113 | 115 | 110 | 101 | 90  | 82  | 80  | 85  | 95  | 107 | 117 | 122 | 118 | 106 | 88  | 67 | 47 | 2000 | 83.3 |   | 7:45  | 116 | 18: 4 | 122  | *  | *  | *    | *  | 0:40  | 16 | 12:49 | 80  | *  | *  | *  | *  |

| 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      | 63649        | 85.5          | 27日 15時 38分 | 142 | 4  | 14日 23時 36分 | -3 | 2  |