



**MINISTRY OF ECOLOGY AND NATURAL  
RESOURCES OF THE REPUBLIC OF  
KAZAKHSTAN  
RSE «KAZHYDROMET»**

**FORECAST OF THE CASPIAN SEA LEVEL (MIDDLE CASPIAN SEA)  
ON NOVEMBER 18-23-2024**

№	Point name	Characteristic values of the forecast Caspian Sea level, sm ( m abs)				
		Maximum level, sm (m BS)	date, time, GMT*	Minimum level, sm (m BS)	date, time, GMT*	Average level, sm (m BS)
1	Fort-Shevchenko	<b>-157</b> <b>(-29,57)</b>	22/11/2024 01:00:00	<b>-166</b> <b>(-29,66)</b>	18/11/2024 14:00:00	<b>-162</b> <b>(-29,62)</b>
2	Aktau	<b>-168</b> <b>(-29,68)</b>	18/11/2024 23:00:00	<b>-174</b> <b>(-29,74)</b>	18/11/2024 14:00:00	<b>-171</b> <b>(-29,71)</b>
3	Fetisovo	<b>-128</b> <b>(-29,28)</b>	18/11/2024 18:00:00	<b>-139</b> <b>(-29,39)</b>	19/11/2024 00:00:00	<b>-133</b> <b>(-29,33)</b>
4	Makhachkala	<b>-105</b> <b>(-29,05)</b>	22/11/2024 02:00:00	<b>-116</b> <b>(-29,16)</b>	20/11/2024 01:00:00	<b>-111</b> <b>(-29,11)</b>

№	Forecast sea level, m				Year, month, date, time, GMT*
	Fort-Shevchenko	Aktau	Fetisovo	Makhachkala	
1.	-1.64	-1.70	-1.30	-1.16	18.11.2024 12:00
2.	-1.65	-1.71	-1.30	-1.15	18.11.2024 13:00
3.	-1.66	-1.74	-1.31	-1.13	18.11.2024 14:00
4.	-1.64	-1.70	-1.30	-1.11	18.11.2024 15:00
5.	-1.63	-1.71	-1.29	-1.12	18.11.2024 16:00
6.	-1.62	-1.71	-1.29	-1.13	18.11.2024 17:00
7.	-1.60	-1.70	-1.28	-1.14	18.11.2024 18:00
8.	-1.60	-1.70	-1.30	-1.13	18.11.2024 19:00
9.	-1.61	-1.69	-1.33	-1.12	18.11.2024 20:00
10.	-1.60	-1.70	-1.35	-1.11	18.11.2024 21:00
11.	-1.60	-1.69	-1.36	-1.11	18.11.2024 22:00
12.	-1.59	-1.68	-1.37	-1.12	18.11.2024 23:00
13.	-1.58	-1.68	-1.39	-1.12	19.11.2024 0:00
14.	-1.59	-1.69	-1.38	-1.12	19.11.2024 1:00
15.	-1.60	-1.70	-1.37	-1.12	19.11.2024 2:00
16.	-1.61	-1.71	-1.35	-1.12	19.11.2024 3:00
17.	-1.63	-1.72	-1.34	-1.12	19.11.2024 4:00
18.	-1.64	-1.71	-1.33	-1.13	19.11.2024 5:00
19.	-1.65	-1.71	-1.32	-1.13	19.11.2024 6:00
20.	-1.65	-1.71	-1.32	-1.13	19.11.2024 7:00
21.	-1.65	-1.70	-1.32	-1.13	19.11.2024 8:00
22.	-1.64	-1.70	-1.31	-1.13	19.11.2024 9:00
23.	-1.64	-1.70	-1.31	-1.13	19.11.2024 10:00
24.	-1.63	-1.70	-1.30	-1.13	19.11.2024 11:00
25.	-1.64	-1.70	-1.30	-1.13	19.11.2024 12:00
26.	-1.64	-1.70	-1.31	-1.14	19.11.2024 13:00
27.	-1.65	-1.70	-1.32	-1.14	19.11.2024 14:00
28.	-1.65	-1.70	-1.32	-1.14	19.11.2024 15:00
29.	-1.65	-1.71	-1.32	-1.15	19.11.2024 16:00
30.	-1.65	-1.71	-1.32	-1.15	19.11.2024 17:00
31.	-1.66	-1.71	-1.31	-1.15	19.11.2024 18:00

№	Forecast sea level, m				Year, month, date, time, GMT*
	Fort-Shevchenko	Aktau	Fetisovo	Makhachkala	
32.	-1.66	-1.71	-1.31	-1.15	19.11.2024 19:00
33.	-1.65	-1.71	-1.31	-1.16	19.11.2024 20:00
34.	-1.65	-1.70	-1.31	-1.16	19.11.2024 21:00
35.	-1.64	-1.70	-1.31	-1.16	19.11.2024 22:00
36.	-1.64	-1.70	-1.31	-1.16	19.11.2024 23:00
37.	-1.64	-1.70	-1.31	-1.16	20.11.2024 0:00
38.	-1.64	-1.70	-1.31	-1.16	20.11.2024 1:00
39.	-1.64	-1.70	-1.31	-1.16	20.11.2024 2:00
40.	-1.64	-1.70	-1.31	-1.15	20.11.2024 3:00
41.	-1.65	-1.71	-1.31	-1.15	20.11.2024 4:00
42.	-1.65	-1.71	-1.32	-1.14	20.11.2024 5:00
43.	-1.65	-1.71	-1.32	-1.14	20.11.2024 6:00
44.	-1.65	-1.71	-1.32	-1.14	20.11.2024 7:00
45.	-1.65	-1.71	-1.32	-1.14	20.11.2024 8:00
46.	-1.65	-1.71	-1.32	-1.13	20.11.2024 9:00
47.	-1.65	-1.71	-1.32	-1.13	20.11.2024 10:00
48.	-1.65	-1.71	-1.32	-1.13	20.11.2024 11:00
49.	-1.65	-1.71	-1.33	-1.12	20.11.2024 12:00
50.	-1.65	-1.71	-1.33	-1.12	20.11.2024 13:00
51.	-1.65	-1.71	-1.33	-1.12	20.11.2024 14:00
52.	-1.65	-1.72	-1.34	-1.12	20.11.2024 15:00
53.	-1.64	-1.72	-1.34	-1.12	20.11.2024 16:00
54.	-1.64	-1.72	-1.34	-1.12	20.11.2024 17:00
55.	-1.64	-1.72	-1.34	-1.12	20.11.2024 18:00
56.	-1.63	-1.72	-1.34	-1.12	20.11.2024 19:00
57.	-1.63	-1.72	-1.34	-1.12	20.11.2024 20:00
58.	-1.63	-1.72	-1.35	-1.12	20.11.2024 21:00
59.	-1.63	-1.71	-1.35	-1.13	20.11.2024 22:00
60.	-1.62	-1.71	-1.34	-1.13	20.11.2024 23:00
61.	-1.62	-1.71	-1.34	-1.13	21.11.2024 0:00
62.	-1.62	-1.71	-1.34	-1.13	21.11.2024 1:00
63.	-1.62	-1.71	-1.34	-1.13	21.11.2024 2:00
64.	-1.61	-1.71	-1.34	-1.13	21.11.2024 3:00
65.	-1.61	-1.71	-1.34	-1.13	21.11.2024 4:00
66.	-1.61	-1.71	-1.34	-1.13	21.11.2024 5:00
67.	-1.61	-1.71	-1.34	-1.13	21.11.2024 6:00
68.	-1.61	-1.71	-1.34	-1.12	21.11.2024 7:00
69.	-1.61	-1.71	-1.33	-1.12	21.11.2024 8:00
70.	-1.61	-1.71	-1.33	-1.11	21.11.2024 9:00
71.	-1.60	-1.71	-1.33	-1.10	21.11.2024 10:00
72.	-1.60	-1.70	-1.33	-1.09	21.11.2024 11:00
73.	-1.60	-1.70	-1.33	-1.08	21.11.2024 12:00
74.	-1.60	-1.70	-1.33	-1.07	21.11.2024 13:00
75.	-1.60	-1.71	-1.33	-1.07	21.11.2024 14:00
76.	-1.60	-1.70	-1.33	-1.06	21.11.2024 15:00
77.	-1.60	-1.71	-1.33	-1.07	21.11.2024 16:00
78.	-1.60	-1.71	-1.33	-1.07	21.11.2024 17:00
79.	-1.60	-1.71	-1.33	-1.07	21.11.2024 18:00
80.	-1.59	-1.71	-1.34	-1.07	21.11.2024 19:00
81.	-1.59	-1.71	-1.34	-1.07	21.11.2024 20:00
82.	-1.58	-1.71	-1.34	-1.07	21.11.2024 21:00
83.	-1.58	-1.71	-1.34	-1.07	21.11.2024 22:00
84.	-1.57	-1.71	-1.34	-1.06	21.11.2024 23:00

№	Forecast sea level, m				Year, month, date, time, GMT*
	Fort-Shevchenko	Aktau	Fetisovo	Makhachkala	
85.	-1.57	-1.71	-1.34	-1.06	22.11.2024 0:00
86.	-1.57	-1.71	-1.34	-1.05	22.11.2024 1:00
87.	-1.57	-1.70	-1.34	-1.05	22.11.2024 2:00
88.	-1.58	-1.70	-1.34	-1.06	22.11.2024 3:00
89.	-1.58	-1.70	-1.34	-1.06	22.11.2024 4:00
90.	-1.58	-1.70	-1.34	-1.07	22.11.2024 5:00
91.	-1.59	-1.70	-1.34	-1.07	22.11.2024 6:00
92.	-1.59	-1.70	-1.34	-1.08	22.11.2024 7:00
93.	-1.59	-1.70	-1.34	-1.08	22.11.2024 8:00
94.	-1.59	-1.71	-1.34	-1.08	22.11.2024 9:00
95.	-1.60	-1.71	-1.34	-1.09	22.11.2024 10:00
96.	-1.61	-1.71	-1.34	-1.10	22.11.2024 11:00
97.	-1.62	-1.71	-1.34	-1.10	22.11.2024 12:00
98.	-1.63	-1.71	-1.34	-1.10	22.11.2024 13:00
99.	-1.64	-1.72	-1.34	-1.11	22.11.2024 14:00
100.	-1.65	-1.72	-1.34	-1.11	22.11.2024 15:00
101.	-1.65	-1.72	-1.35	-1.10	22.11.2024 16:00
102.	-1.65	-1.72	-1.35	-1.10	22.11.2024 17:00
103.	-1.65	-1.72	-1.35	-1.10	22.11.2024 18:00
104.	-1.65	-1.72	-1.35	-1.11	22.11.2024 19:00
105.	-1.65	-1.73	-1.35	-1.11	22.11.2024 20:00
106.	-1.64	-1.72	-1.34	-1.10	22.11.2024 21:00
107.	-1.64	-1.72	-1.34	-1.09	22.11.2024 22:00
108.	-1.63	-1.72	-1.34	-1.09	22.11.2024 23:00
109.	-1.62	-1.72	-1.34	-1.09	23.11.2024 0:00
110.	-1.62	-1.72	-1.34	-1.09	23.11.2024 1:00
111.	-1.62	-1.71	-1.34	-1.09	23.11.2024 2:00
112.	-1.62	-1.71	-1.34	-1.09	23.11.2024 3:00
113.	-1.62	-1.71	-1.35	-1.09	23.11.2024 4:00
114.	-1.61	-1.71	-1.35	-1.09	23.11.2024 5:00
115.	-1.61	-1.71	-1.35	-1.09	23.11.2024 6:00
116.	-1.61	-1.71	-1.35	-1.09	23.11.2024 7:00
117.	-1.61	-1.71	-1.35	-1.09	23.11.2024 8:00
118.	-1.61	-1.71	-1.34	-1.09	23.11.2024 9:00
119.	-1.61	-1.71	-1.34	-1.09	23.11.2024 10:00
120.	-1.60	-1.71	-1.34	-1.08	23.11.2024 11:00
121.	-1.60	-1.71	-1.34	-1.08	23.11.2024 12:00

GMT\* - greenwich mean time

\* The characteristics were computed by Hydrodynamic module MIKE 21 of Danish Hydraulic Institute. RSE "KAZHYDROMET" has the module adapted to Caspian Sea conditions.

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**MINISTRY OF ECOLOGY AND NATURAL  
RESOURCES OF THE REPUBLIC OF KAZAKHSTAN  
RSE «KAZHYDROMET»**

**FORECAST OF THE CASPIAN SEA LEVEL ( NORTHERNCASPIAN SEA)  
ON NOVEMBER 18-23-2024**

№	Point name	Characteristic values of the forecast Caspian Sea level, sm (m abs)				
		Maximum level, sm (m BS)	date, time, GMT*	Minimum level, sm (m BS)	date, time, GMT*	Average level, sm (m BS)
1	Zhanbay	<b>-57</b> <b>(-28,57)</b>	20/11/2024 05:00:00	<b>-81</b> <b>(-28,81)</b>	19/11/2024 08:00:00	<b>-64</b> <b>(-28,64)</b>
2	Peshnoy	<b>-79</b> <b>(-28,79)</b>	22/11/2024 00:00:00	<b>-92</b> <b>(-28,92)</b>	19/11/2024 00:00:00	<b>-85</b> <b>(-28,85)</b>
3	Karaton	<b>-11</b> <b>(-28,11)</b>	23/11/2024 00:00:00	<b>-15</b> <b>(-28,15)</b>	18/11/2024 12:00:00	<b>-13</b> <b>(-28,13)</b>
4	Kalamkas	<b>-10</b> <b>(-28,10)</b>	20/11/2024 18:00:00	<b>-23</b> <b>(-28,23)</b>	18/11/2024 12:00:00	<b>-15</b> <b>(-28,15)</b>
5	Kulaly	<b>-152</b> <b>(-29,52)</b>	22/11/2024 05:00:00	<b>-160</b> <b>(-29,60)</b>	19/11/2024 08:00:00	<b>-156</b> <b>(-29,56)</b>
6	Tyuleny	<b>-108</b> <b>(-29,08)</b>	21/11/2024 03:00:00	<b>-121</b> <b>(-29,21)</b>	18/11/2024 12:00:00	<b>-113</b> <b>(-29,13)</b>

№	Forecast sea level, m						Year, month, date, time, GMT*
	Zhanbay	Peshnoy	Karaton	Kalamkas	Kulaly	Tyuleny	
1	-0.60	-0.91	-0.15	-0.23	-1.57	-1.21	18.11.2024 12:00
2	-0.61	-0.91	-0.15	-0.23	-1.57	-1.20	18.11.2024 13:00
3	-0.62	-0.91	-0.15	-0.21	-1.58	-1.18	18.11.2024 14:00
4	-0.64	-0.91	-0.15	-0.20	-1.57	-1.17	18.11.2024 15:00
5	-0.67	-0.91	-0.15	-0.20	-1.56	-1.18	18.11.2024 16:00
6	-0.69	-0.91	-0.15	-0.19	-1.56	-1.18	18.11.2024 17:00
7	-0.72	-0.91	-0.14	-0.18	-1.55	-1.19	18.11.2024 18:00
8	-0.74	-0.90	-0.14	-0.18	-1.55	-1.18	18.11.2024 19:00
9	-0.76	-0.90	-0.14	-0.17	-1.56	-1.17	18.11.2024 20:00
10	-0.77	-0.90	-0.14	-0.17	-1.56	-1.16	18.11.2024 21:00
11	-0.78	-0.91	-0.14	-0.17	-1.55	-1.17	18.11.2024 22:00
12	-0.80	-0.91	-0.14	-0.17	-1.55	-1.16	18.11.2024 23:00
13	-0.80	-0.92	-0.14	-0.17	-1.54	-1.16	19.11.2024 0:00
14	-0.81	-0.91	-0.14	-0.16	-1.56	-1.16	19.11.2024 1:00
15	-0.80	-0.91	-0.14	-0.16	-1.56	-1.15	19.11.2024 2:00
16	-0.80	-0.91	-0.14	-0.16	-1.57	-1.13	19.11.2024 3:00
17	-0.80	-0.90	-0.14	-0.16	-1.57	-1.12	19.11.2024 4:00
18	-0.80	-0.90	-0.14	-0.16	-1.58	-1.11	19.11.2024 5:00
19	-0.80	-0.89	-0.14	-0.15	-1.59	-1.10	19.11.2024 6:00
20	-0.80	-0.88	-0.14	-0.17	-1.60	-1.10	19.11.2024 7:00
21	-0.81	-0.88	-0.14	-0.18	-1.60	-1.10	19.11.2024 8:00
22	-0.80	-0.88	-0.14	-0.18	-1.59	-1.10	19.11.2024 9:00
23	-0.79	-0.87	-0.14	-0.18	-1.59	-1.10	19.11.2024 10:00
24	-0.77	-0.87	-0.14	-0.17	-1.58	-1.11	19.11.2024 11:00
25	-0.75	-0.87	-0.14	-0.16	-1.58	-1.11	19.11.2024 12:00
26	-0.72	-0.87	-0.14	-0.15	-1.57	-1.11	19.11.2024 13:00
27	-0.70	-0.87	-0.14	-0.15	-1.57	-1.12	19.11.2024 14:00
28	-0.67	-0.86	-0.14	-0.15	-1.57	-1.12	19.11.2024 15:00
29	-0.65	-0.86	-0.14	-0.15	-1.58	-1.13	19.11.2024 16:00

№	Forecast sea level, m						Year, month, date, time, GMT*
	Zhanbay	Peshnoy	Karaton	Kalamkas	Kulaly	Tyuleny	
30	-0.63	-0.86	-0.14	-0.15	-1.58	-1.14	19.11.2024 17:00
31	-0.61	-0.86	-0.14	-0.15	-1.58	-1.14	19.11.2024 18:00
32	-0.60	-0.85	-0.14	-0.15	-1.58	-1.15	19.11.2024 19:00
33	-0.59	-0.85	-0.14	-0.15	-1.58	-1.16	19.11.2024 20:00
34	-0.58	-0.85	-0.14	-0.16	-1.58	-1.16	19.11.2024 21:00
35	-0.58	-0.85	-0.14	-0.16	-1.58	-1.17	19.11.2024 22:00
36	-0.58	-0.86	-0.14	-0.15	-1.57	-1.17	19.11.2024 23:00
37	-0.58	-0.87	-0.14	-0.15	-1.57	-1.18	20.11.2024 0:00
38	-0.58	-0.87	-0.14	-0.14	-1.57	-1.18	20.11.2024 1:00
39	-0.57	-0.88	-0.14	-0.13	-1.56	-1.18	20.11.2024 2:00
40	-0.57	-0.88	-0.14	-0.12	-1.56	-1.18	20.11.2024 3:00
41	-0.57	-0.88	-0.14	-0.12	-1.56	-1.18	20.11.2024 4:00
42	-0.57	-0.89	-0.14	-0.12	-1.56	-1.18	20.11.2024 5:00
43	-0.57	-0.89	-0.13	-0.12	-1.56	-1.18	20.11.2024 6:00
44	-0.57	-0.89	-0.13	-0.12	-1.56	-1.17	20.11.2024 7:00
45	-0.57	-0.90	-0.13	-0.12	-1.57	-1.17	20.11.2024 8:00
46	-0.58	-0.90	-0.13	-0.12	-1.57	-1.17	20.11.2024 9:00
47	-0.58	-0.90	-0.13	-0.12	-1.57	-1.17	20.11.2024 10:00
48	-0.58	-0.90	-0.13	-0.12	-1.57	-1.16	20.11.2024 11:00
49	-0.59	-0.90	-0.13	-0.12	-1.57	-1.15	20.11.2024 12:00
50	-0.59	-0.90	-0.13	-0.12	-1.57	-1.14	20.11.2024 13:00
51	-0.59	-0.90	-0.13	-0.12	-1.58	-1.13	20.11.2024 14:00
52	-0.60	-0.90	-0.13	-0.11	-1.58	-1.12	20.11.2024 15:00
53	-0.60	-0.90	-0.13	-0.11	-1.58	-1.12	20.11.2024 16:00
54	-0.60	-0.90	-0.13	-0.11	-1.58	-1.12	20.11.2024 17:00
55	-0.61	-0.90	-0.13	-0.10	-1.58	-1.11	20.11.2024 18:00
56	-0.61	-0.89	-0.13	-0.10	-1.57	-1.10	20.11.2024 19:00
57	-0.62	-0.89	-0.13	-0.10	-1.57	-1.10	20.11.2024 20:00
58	-0.63	-0.89	-0.13	-0.10	-1.57	-1.09	20.11.2024 21:00
59	-0.64	-0.88	-0.13	-0.10	-1.57	-1.09	20.11.2024 22:00
60	-0.65	-0.88	-0.13	-0.10	-1.57	-1.09	20.11.2024 23:00
61	-0.66	-0.87	-0.13	-0.11	-1.56	-1.08	21.11.2024 0:00
62	-0.67	-0.87	-0.13	-0.11	-1.56	-1.08	21.11.2024 1:00
63	-0.68	-0.86	-0.13	-0.11	-1.56	-1.08	21.11.2024 2:00
64	-0.68	-0.86	-0.13	-0.11	-1.55	-1.08	21.11.2024 3:00
65	-0.68	-0.85	-0.13	-0.11	-1.55	-1.09	21.11.2024 4:00
66	-0.68	-0.85	-0.13	-0.11	-1.55	-1.09	21.11.2024 5:00
67	-0.67	-0.84	-0.13	-0.10	-1.55	-1.09	21.11.2024 6:00
68	-0.67	-0.84	-0.13	-0.10	-1.55	-1.09	21.11.2024 7:00
69	-0.67	-0.83	-0.13	-0.12	-1.55	-1.09	21.11.2024 8:00
70	-0.67	-0.83	-0.13	-0.12	-1.55	-1.10	21.11.2024 9:00
71	-0.67	-0.83	-0.13	-0.12	-1.55	-1.10	21.11.2024 10:00
72	-0.67	-0.82	-0.13	-0.12	-1.55	-1.12	21.11.2024 11:00
73	-0.68	-0.82	-0.13	-0.12	-1.54	-1.10	21.11.2024 12:00
74	-0.68	-0.82	-0.13	-0.10	-1.54	-1.10	21.11.2024 13:00
75	-0.68	-0.82	-0.13	-0.10	-1.54	-1.11	21.11.2024 14:00
76	-0.68	-0.82	-0.13	-0.10	-1.54	-1.10	21.11.2024 15:00
77	-0.67	-0.81	-0.12	-0.10	-1.54	-1.11	21.11.2024 16:00
78	-0.66	-0.81	-0.12	-0.10	-1.54	-1.11	21.11.2024 17:00
79	-0.65	-0.80	-0.12	-0.10	-1.54	-1.11	21.11.2024 18:00
80	-0.64	-0.80	-0.12	-0.11	-1.54	-1.11	21.11.2024 19:00
81	-0.64	-0.80	-0.12	-0.11	-1.53	-1.12	21.11.2024 20:00
82	-0.63	-0.79	-0.12	-0.12	-1.53	-1.12	21.11.2024 21:00
83	-0.63	-0.79	-0.12	-0.13	-1.53	-1.12	21.11.2024 22:00
84	-0.62	-0.79	-0.12	-0.14	-1.53	-1.11	21.11.2024 23:00

№	Forecast sea level, m						Year, month, date, time, GMT*
	Zhanbay	Peshnoy	Karaton	Kalamkas	Kulaly	Tyuleny	
85	-0.62	-0.79	-0.12	-0.15	-1.53	-1.11	22.11.2024 0:00
86	-0.61	-0.79	-0.12	-0.16	-1.53	-1.12	22.11.2024 1:00
87	-0.61	-0.79	-0.12	-0.16	-1.52	-1.12	22.11.2024 2:00
88	-0.60	-0.80	-0.12	-0.17	-1.52	-1.12	22.11.2024 3:00
89	-0.60	-0.80	-0.12	-0.18	-1.52	-1.13	22.11.2024 4:00
90	-0.59	-0.79	-0.12	-0.18	-1.52	-1.13	22.11.2024 5:00
91	-0.59	-0.79	-0.12	-0.18	-1.52	-1.13	22.11.2024 6:00
92	-0.59	-0.81	-0.12	-0.19	-1.52	-1.14	22.11.2024 7:00
93	-0.58	-0.81	-0.12	-0.19	-1.52	-1.14	22.11.2024 8:00
94	-0.58	-0.81	-0.12	-0.19	-1.52	-1.14	22.11.2024 9:00
95	-0.58	-0.80	-0.12	-0.19	-1.52	-1.12	22.11.2024 10:00
96	-0.58	-0.80	-0.12	-0.19	-1.52	-1.13	22.11.2024 11:00
97	-0.58	-0.81	-0.12	-0.19	-1.53	-1.13	22.11.2024 12:00
98	-0.59	-0.81	-0.12	-0.19	-1.53	-1.13	22.11.2024 13:00
99	-0.59	-0.81	-0.12	-0.19	-1.54	-1.12	22.11.2024 14:00
100	-0.59	-0.81	-0.12	-0.18	-1.56	-1.12	22.11.2024 15:00
101	-0.59	-0.82	-0.12	-0.18	-1.57	-1.12	22.11.2024 16:00
102	-0.59	-0.81	-0.12	-0.17	-1.58	-1.11	22.11.2024 17:00
103	-0.58	-0.80	-0.12	-0.17	-1.59	-1.11	22.11.2024 18:00
104	-0.58	-0.79	-0.12	-0.16	-1.59	-1.10	22.11.2024 19:00
105	-0.58	-0.79	-0.12	-0.16	-1.59	-1.10	22.11.2024 20:00
106	-0.58	-0.80	-0.12	-0.15	-1.59	-1.10	22.11.2024 21:00
107	-0.58	-0.80	-0.12	-0.15	-1.59	-1.11	22.11.2024 22:00
108	-0.58	-0.80	-0.12	-0.15	-1.58	-1.11	22.11.2024 23:00
109	-0.58	-0.81	-0.11	-0.15	-1.58	-1.12	23.11.2024 0:00
110	-0.58	-0.82	-0.11	-0.15	-1.58	-1.13	23.11.2024 1:00
111	-0.59	-0.82	-0.11	-0.15	-1.57	-1.14	23.11.2024 2:00
112	-0.60	-0.82	-0.11	-0.15	-1.57	-1.14	23.11.2024 3:00
113	-0.61	-0.83	-0.11	-0.15	-1.56	-1.14	23.11.2024 4:00
114	-0.62	-0.83	-0.11	-0.15	-1.56	-1.12	23.11.2024 5:00
115	-0.62	-0.82	-0.11	-0.14	-1.56	-1.12	23.11.2024 6:00
116	-0.63	-0.82	-0.11	-0.14	-1.56	-1.12	23.11.2024 7:00
117	-0.63	-0.81	-0.11	-0.13	-1.57	-1.11	23.11.2024 8:00
118	-0.63	-0.81	-0.11	-0.13	-1.57	-1.11	23.11.2024 9:00
119	-0.63	-0.81	-0.11	-0.12	-1.57	-1.13	23.11.2024 10:00
120	-0.63	-0.81	-0.11	-0.12	-1.56	-1.12	23.11.2024 11:00
121	-0.63	-0.80	-0.11	-0.12	-1.56	-1.11	23.11.2024 12:00

GMT\* - greenwich mean time

\* The characteristics were computed by Hydrodynamic module MIKE 21 of Danish Hydraulic Institute. RSE "KAZHYDROMET" has the module adapted to Caspian Sea conditions.

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