



Astana 2024, № 9

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Caspian Sea
Hydrometeorological
Research Department
Research Center

Monthly hydrometeorological review for September 2024 for the Kazakhstan coast of the Caspian Sea.

All current data are raw (operational) monitoring data of RSE "Kazhydromet".

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In September, 3 up surge and, sea level rise in and Fort-Shevchenko reached 23 cm.

Sea level.

The maximum was recorded at Igolinskaya Banka - 128 cm and the minimum at Kuryk - minus 173 cm. The mean level was - minus 93 cm or minus 28.93 m BS.

Table 1. Characteristics of sea level

Station name	Mean level	Maximum level	Date of observation	Minimum level	Date of observation
Igolinskaya banka	122	128	10.09.2024	109	01.09.2024
Zhanbay					
Peshnoy	-59	-49	22.09.2024	-74	06.09.2024
Kulaly	-135	-124	03.09.2024	-142	20.09.2024
Fort-Shevchenko	-138	-123	02.09.2024	-148	20.09.2024
Saura	-155	-147	02.09.2024	-158	26.09.2024
Kuryk	-162	-150	02.09.2024	-173	29.09.2024
Aktay	-152	-136	09.09.2024	-161	25.09.2024
Peschany	-36	-34	24.09.2024	-37	01.09.2024
Fetisovo	-126	-121	16.09.2024	-138	25.09.2024

Note: MHP Zhanbay data were received with gaps

Water temperature.

The average water temperature was about 19,0°C, with fluctuations from 4,2°C (Peshnoy) to 28,4°C (Fetisovo).

Air temperature.

The average air temperature in September was about 21,5°C. The maximum air temperature reached 37,4°C in the area of Kuryk, while the minimum air temperature (3.0°C) was recorded in the area of the Peshnoy sea station.

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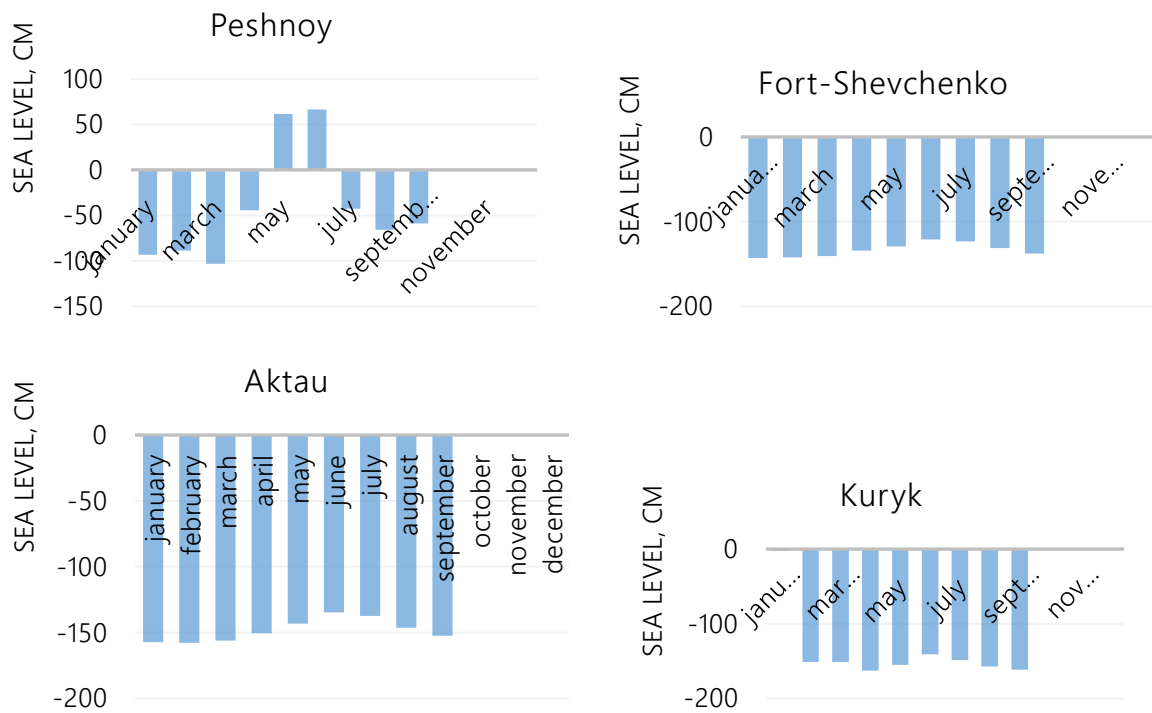


Fig.1. Mean sea level, cm

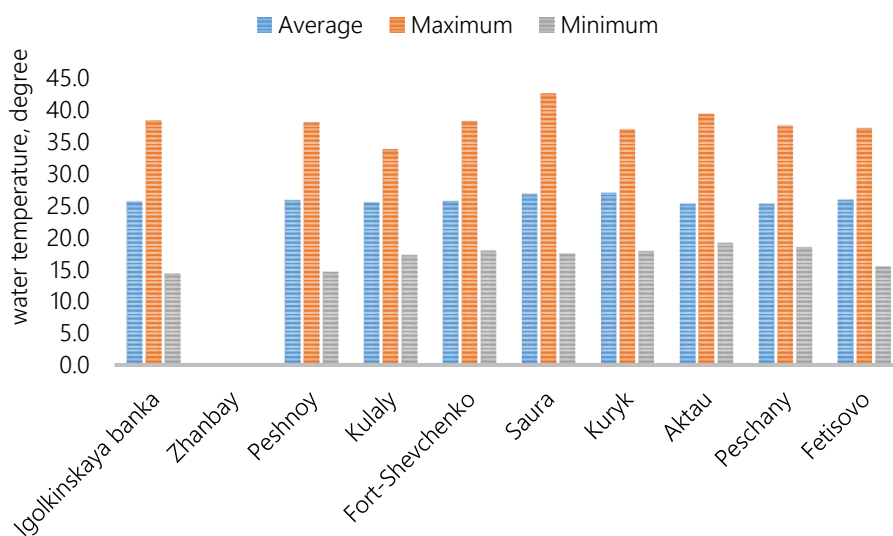


Fig.2. Water temperature, °C

Wind speed and direction.

In September in the Kazakhstan part of the Caspian Sea the average wind speed was about 5,4 m/s, the maximum speed reached 16 m/s (Kuryk).

The prevailing wind direction in September was easterly (39,1%), north-easterly (18,3%) and south-east (14,0%).