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Caspian Sea  
Hydrometeorological  
Research Department  
Research Center

## Monthly hydrometeorological review for August 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 August, 6 up surge and down surge events were observed, sea level rise in Peshnoy and Fort-Shevchenko reached 24 cm, sea level falling in Aktau to 23 cm.

### Sea level.

The maximum was recorded at Igolinskaya Banka - 132 cm and the minimum at Kuryk - minus 166 cm. The mean level was -91 cm or -28.91 m BS.

Table 1. Characteristics of sea level

Station name	Mean level	Maximum level	Date of observation	Minimum level	Date of observation
Igolinskaya banka	115	132	01.08.2024	108	30.08.2024
Zhanbay					
Peshnoy	-66	-42	16.08.2024	-80	31.08.2024
Kulaly	-130	-118	10.08.2024	-139	25.08.2024
Fort-Shevchenko	-131	-116	08.08.2024	-140	08.08.2024
Saura	-154	-147	08.08.2024	-155	01.08.2024
Kuryk	-157	-144	08.08.2024	-166	24.08.2024
Aktay	-146	-142	29.08.2024	-150	01.08.2024
Peschany	-35	-33	07.08.2024	-37	21.08.2024
Fetisovo	-109	-54	08.08.2024	-162	03.08.2024

Note: MHP Zhanbay data were received with gaps

### Water temperature.

The average water temperature was about 22,9°C, with fluctuations from 11,8°C (M Peshnoy) to 31,8°C (MHP Kuryk).

### Air temperature.

The average air temperature in august was about 22,9°C. The maximum air temperature reached 31,8°C in the area of Kuryk, while the minimum air temperature (11.8°C) was recorded in the area of the Peshnoy sea station.

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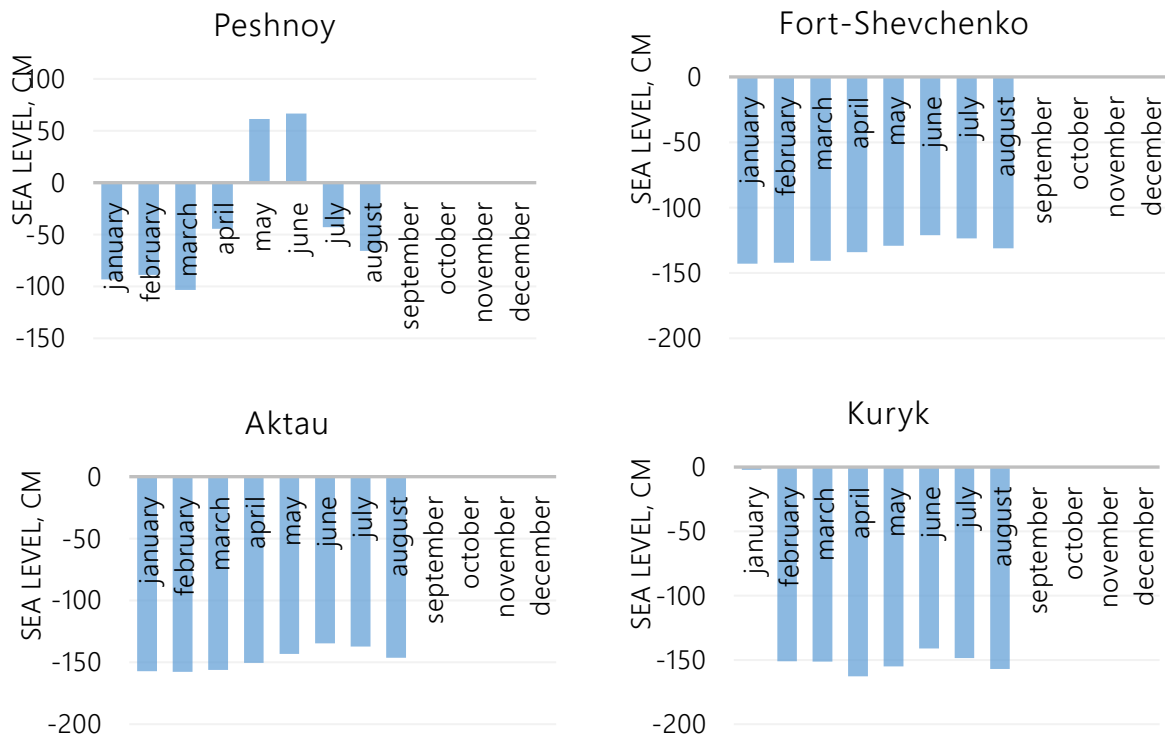


Fig.1. Mean sea level, cm

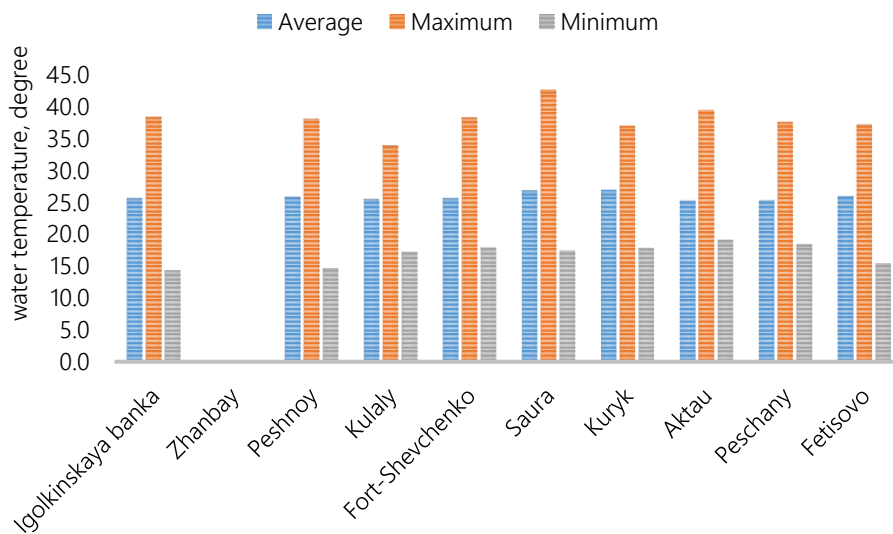


Fig.2. Water temperature, °C

### Wind speed and direction.

In august in the Kazakhstan part of the Caspian Sea the average wind speed was about 4 m/s, the maximum speed reached 15 m/s (Fort-Shevchenko).

The prevailing wind direction in august was easterly (16,5%), north-easterly (11,8%) and western (14,0%).