



Astana 2024, № 10

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

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

In October there were observed 2 surge events, the level rise in Fort-Shevchenko was up to 20 cm, the level drop was 21 cm.

Sea level.

The maximum was recorded at Igolinskaya Banka - 124 cm and the minimum at Kuryk - minus 190 cm. The mean level was - minus 102 cm or minus 29.02 m BS.

Table 1. Characteristics of sea level

Station name	Mean level	Maximum level	Date of observation	Minimum level	Date of observation
Igolinskaya banka	111	124	01.10.2024	106	25.10.2024
Zhanbay					
Peshnoy	-72	-55	01.10.2024	-86	27.10.2024
Kulaly	-146	-130	07.10.2024	-157	26.10.2024
Fort-Shevchenko	-150	-135	09.10.2024	-160	26.10.2024
Saura	-157	-145	08.10.2024	-163	29.10.2024
Kuryk	-174	-156	18.10.2024	-190	20.10.2024
Aktay	-166	-156	01.10.2024	-170	18.10.2024
Peschany	-37	-31	29.10.2024	-39	14.10.2024
Fetisovo	-132	-125	07.10.2024	-154	10.10.2024

Note: MHP Zhanbay data were received with gaps

Water temperature.

The average water temperature in October was about 13,4°C, with fluctuations from 2,4°C (Peshnoy) to 23,4°C (Fetisovo).

Air temperature.

The average air temperature in October was about 12,7°C. The maximum air temperature reached 28,2°C in the area of Saura, while the minimum air temperature reached (minus 3.5°C) in the area of the Peshnoy sea station.

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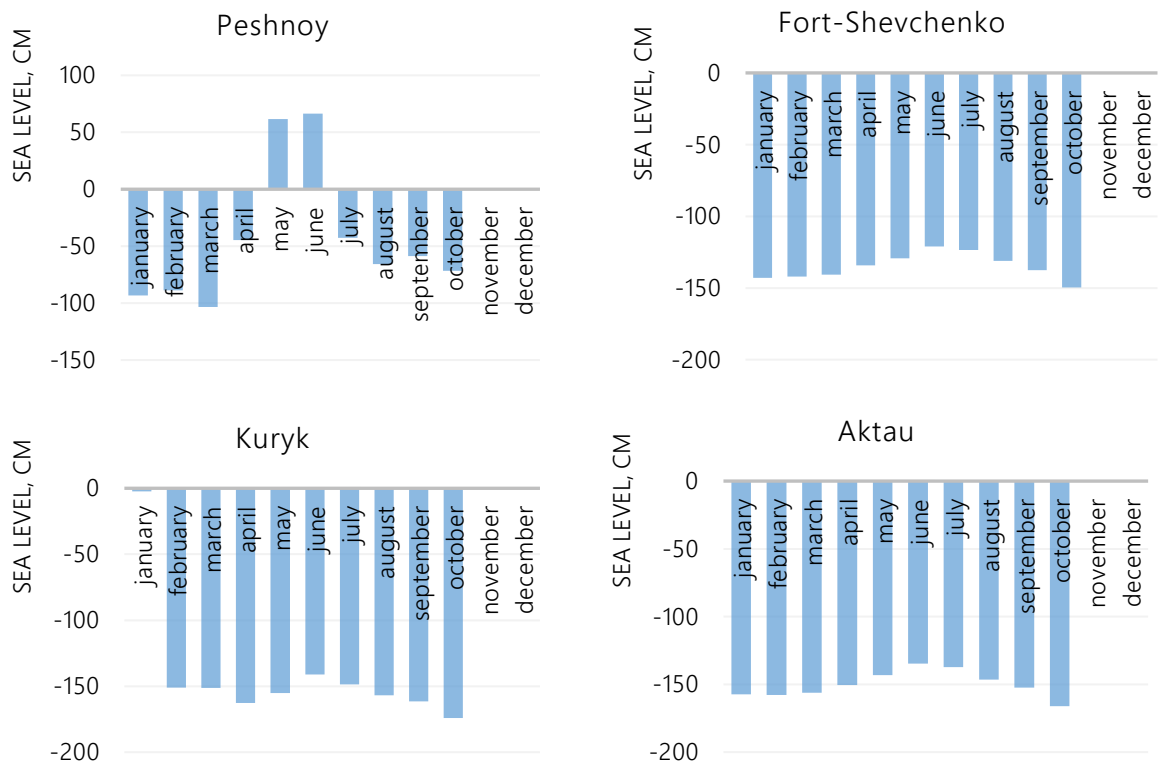


Fig.1. Average sea level, cm

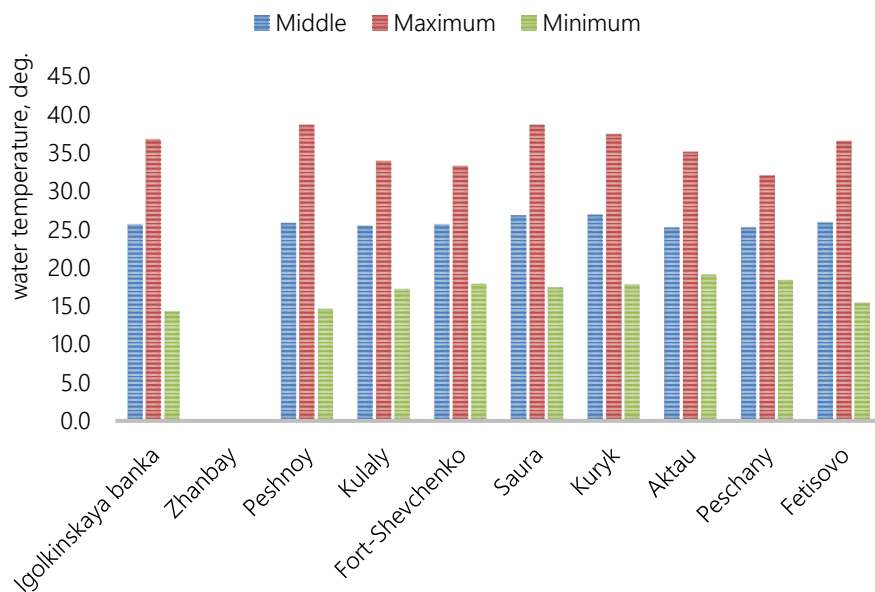


Fig.2. Water temperature, °C

Wind speed and direction.

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

The prevailing wind direction in October was northwest (14.8%), east (13.2%) and north (12.9%).