



Astana 2024, №7

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

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

In July, 4 up surge and down surge events were observed, with sea levels falling to 24-29 cm in Peshnoy and Fetisovo.

Sea level.

The maximum was recorded at Igolinskaya Banka - 146 cm and the minimum at Kuryk - minus 166 cm. The mean level was -78 cm or -28.78 m BS.

Table 1. Characteristics of sea level

Station name	Mean level	Maximum level	Date of observation	Minimum level	Date of observation
Igolinskaya banka	130	146	01.07.2024	120	14.07.2024
Zhanbay	-	-	-	-	-
Peshnoy	-43	40	01.07.2024	-78	
Kulaly	-122	-115	05.07.2024	-130	14.07.2024
Fort-Shevchenko	-123	-114	05.07.2024	-149	03.07.2024
Saura	-154	-149	13.07.2024	-157	01.07.2024
Kuryk	-149	-136	13.07.2024	-166	28.07.2024
Aktay	-137	-129	06.07.2024	-149	26.07.2024
Peschany	-35	-25	16.07.2024	-37	24.07.2024
Fetisovo	-65	-43	15.07.2024	-92	27.07.2024

Note: MHP Zhanbay data were received with gaps

Water temperature.

The average water temperature was about 23.3°C, with fluctuations from 13.6°C (M Peshnoy) to 32.8°C (MHP Kuryk).

Air temperature.

The average air temperature in July was about 27.6°C. The maximum air temperature reached 42.6°C in the area of Saura, while the minimum air temperature (12.3°C) was recorded in the area of the Igolinskaya banka sea station.

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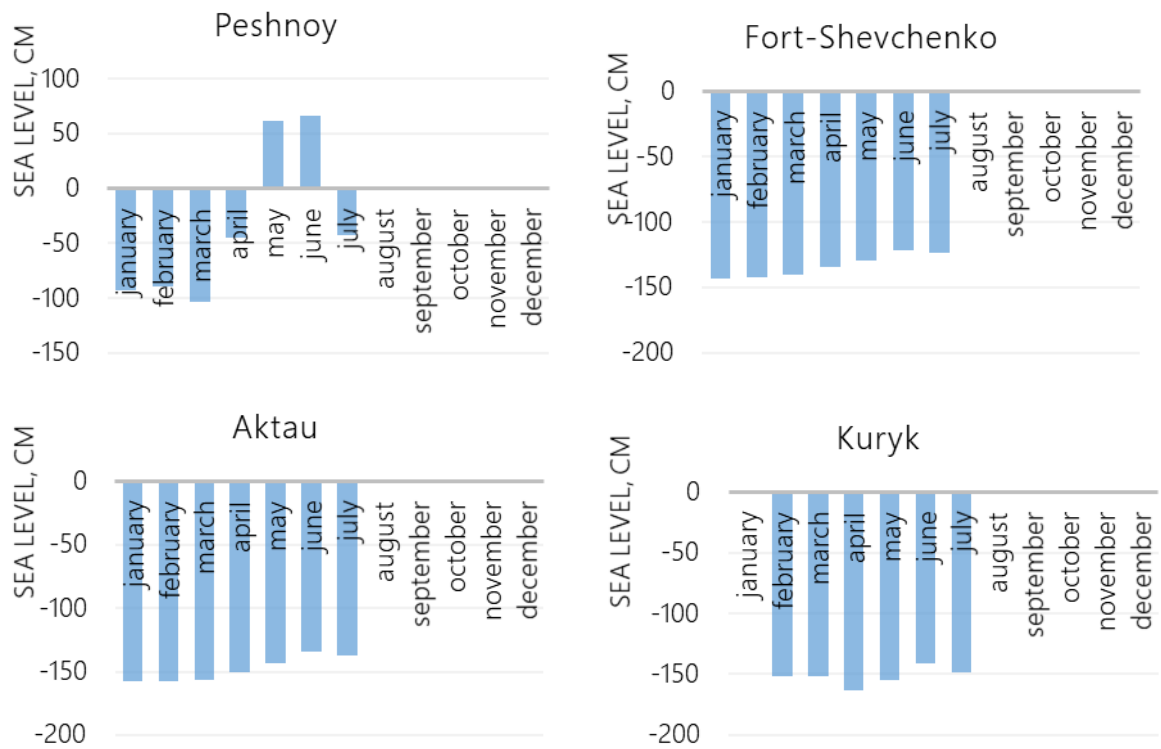


Fig.1. Mean sea level, cm

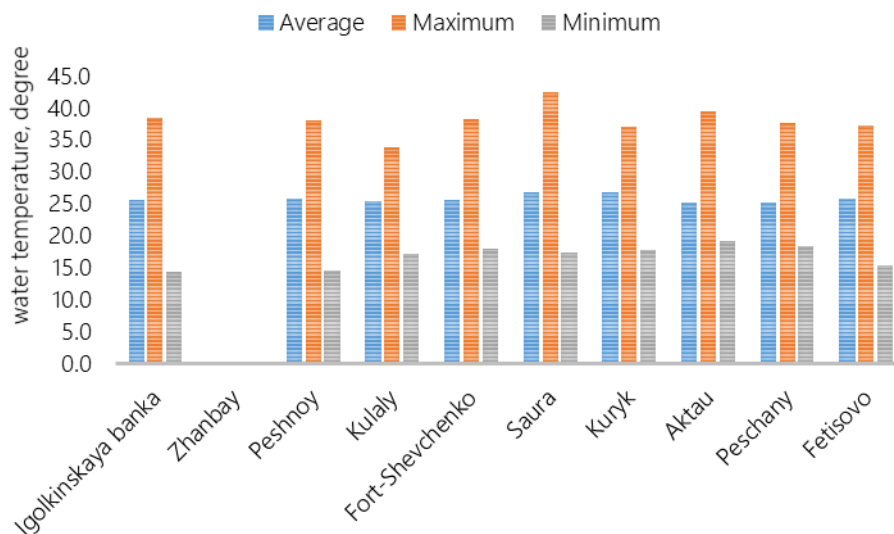


Fig.2. Water temperature, °C

Wind speed and direction.

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

The prevailing wind direction in July was north-westerly (17,9%), westerly (14,1%) and northerly (14,0%).