

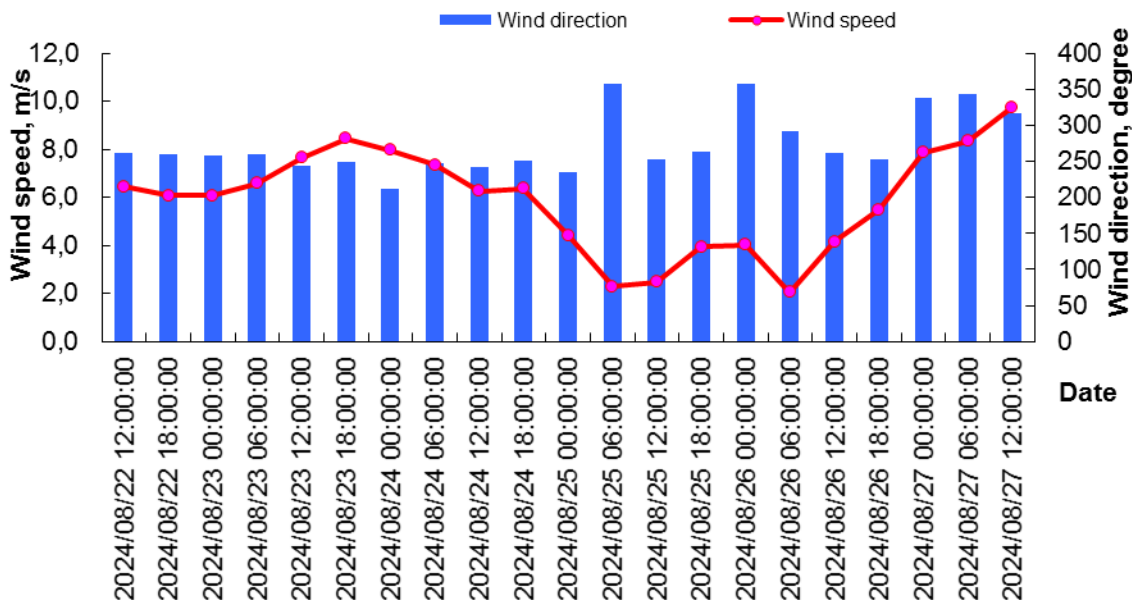


MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE  
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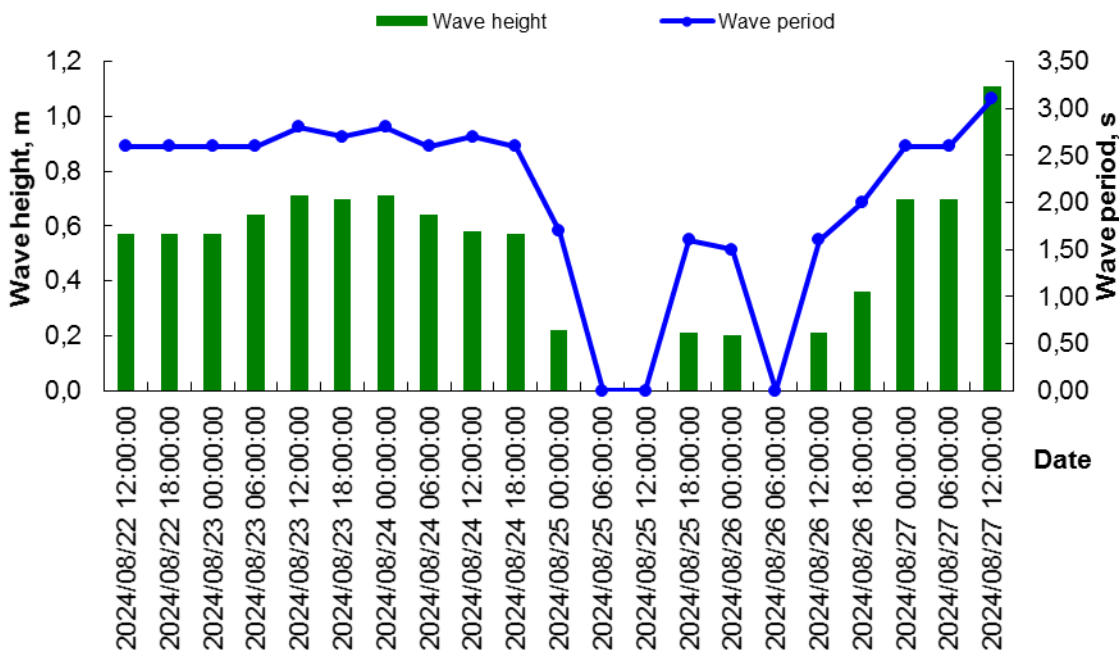
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

Forecast of the wave and wind condition for Middle part of the Caspian Sea  
Probability – 5 days, period 22 – 27 August 2024.

Wind condition in the 21050 unit



Wave condition in the 21050 unit



| Date Time           | Wind speed (WS) and wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|---------------------|---|----------|--|------|
|                     | WS, m/s                                 | WD, rumb | H, m                                       | t, s |
| 2024/08/22 12:00:00 | 6,4                                     | W        | 0,6  | 2,6  |
| 2024/08/22 18:00:00 | 6,1                                     | W        | 0,6  | 2,6  |
| 2024/08/23 00:00:00 | 6,1                                     | W        | 0,6  | 2,6  |
| 2024/08/23 06:00:00 | 6,6                                     | W        | 0,6  | 2,6  |
| 2024/08/23 12:00:00 | 7,6                                     | SW       | 0,7  | 2,8  |
| 2024/08/23 18:00:00 | 8,4                                     | W        | 0,7  | 2,7  |
| 2024/08/24 00:00:00 | 8,0                                     | SW       | 0,7  | 2,8  |
| 2024/08/24 06:00:00 | 7,4                                     | W        | 0,6  | 2,6  |
| 2024/08/24 12:00:00 | 6,3                                     | SW       | 0,6  | 2,7  |
| 2024/08/24 18:00:00 | 6,4                                     | W        | 0,6  | 2,6  |
| 2024/08/25 00:00:00 | 4,4                                     | SW       | 0,2  | 1,7  |
| 2024/08/25 06:00:00 | 2,3                                     | N        | 0,0  | 0,0  |
| 2024/08/25 12:00:00 | 2,5                                     | W        | 0,0  | 0,0  |
| 2024/08/25 18:00:00 | 3,9                                     | W        | 0,2  | 1,6  |
| 2024/08/26 00:00:00 | 4,0                                     | N        | 0,2  | 1,5  |
| 2024/08/26 06:00:00 | 2,1                                     | W        | 0,0  | 0,0  |
| 2024/08/26 12:00:00 | 4,2                                     | W        | 0,2  | 1,6  |
| 2024/08/26 18:00:00 | 5,5                                     | W        | 0,4  | 2,0  |
| 2024/08/27 00:00:00 | 7,9                                     | N        | 0,7  | 2,6  |
| 2024/08/27 06:00:00 | 8,3                                     | N        | 0,7  | 2,6  |
| 2024/08/27 12:00:00 | 9,8                                     | NW       | 1,1  | 3,1  |

Made by: Kurmangalieva A.K

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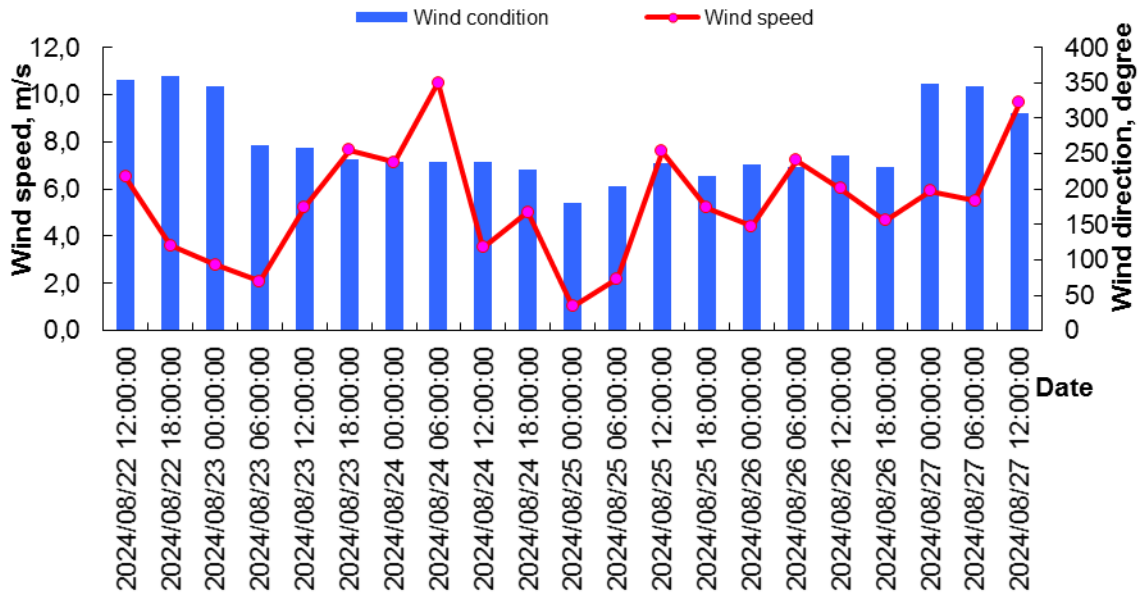


**MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE  
REPUBLIC OF KAZAKHSTAN**

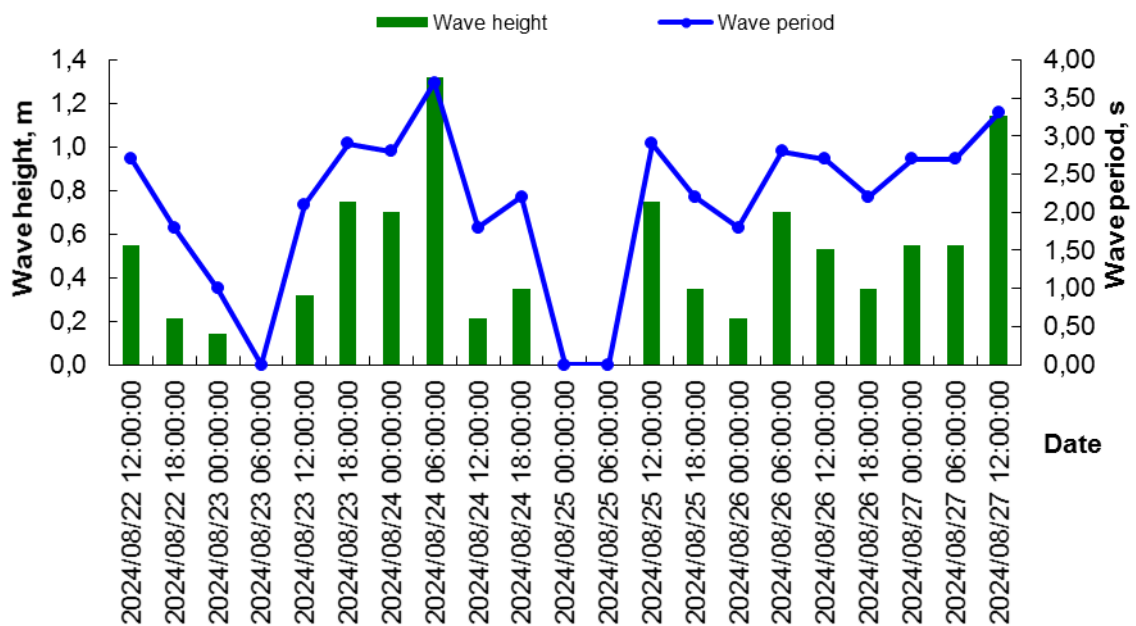
**REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»**

**Forecast of the wave and wind condition for Middle part of the Caspian Sea  
Probability – 5 days, period 22 – 27 August 2024.**

**Wind condition in the 21141 unit**



**Wave condition in the 21141 unit**



| Date Time           | Wind speed (WS) and wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|---------------------|---|----------|--|------|
|                     | WS, m/s                                 | WD, rumb | H, m                                       | t, s |
| 2024/08/22 12:00:00 | 6,5                                     | N        | 0,6  | 2,7  |
| 2024/08/22 18:00:00 | 3,6                                     | N        | 0,2  | 1,8  |
| 2024/08/23 00:00:00 | 2,8                                     | N        | 0,1  | 1,0  |
| 2024/08/23 06:00:00 | 2,1                                     | W        | 0,0  | 0,0  |
| 2024/08/23 12:00:00 | 5,2                                     | W        | 0,3  | 2,1  |
| 2024/08/23 18:00:00 | 7,6                                     | SW       | 0,8  | 2,9  |
| 2024/08/24 00:00:00 | 7,1                                     | SW       | 0,7  | 2,8  |
| 2024/08/24 06:00:00 | 10,5                                    | SW       | 1,3  | 3,7  |
| 2024/08/24 12:00:00 | 3,5                                     | SW       | 0,2  | 1,8  |
| 2024/08/24 18:00:00 | 5,0                                     | SW       | 0,4  | 2,2  |
| 2024/08/25 00:00:00 | 1,0                                     | S        | 0,0  | 0,0  |
| 2024/08/25 06:00:00 | 2,2                                     | SW       | 0,0  | 0,0  |
| 2024/08/25 12:00:00 | 7,6                                     | SW       | 0,8  | 2,9  |
| 2024/08/25 18:00:00 | 5,2                                     | SW       | 0,4  | 2,2  |
| 2024/08/26 00:00:00 | 4,4                                     | SW       | 0,2  | 1,8  |
| 2024/08/26 06:00:00 | 7,2                                     | SW       | 0,7  | 2,8  |
| 2024/08/26 12:00:00 | 6,0                                     | W        | 0,5  | 2,7  |
| 2024/08/26 18:00:00 | 4,7                                     | SW       | 0,4  | 2,2  |
| 2024/08/27 00:00:00 | 5,9                                     | N        | 0,6  | 2,7  |
| 2024/08/27 06:00:00 | 5,5                                     | N        | 0,6  | 2,7  |
| 2024/08/27 12:00:00 | 9,7                                     | NW       | 1,1  | 3,3  |

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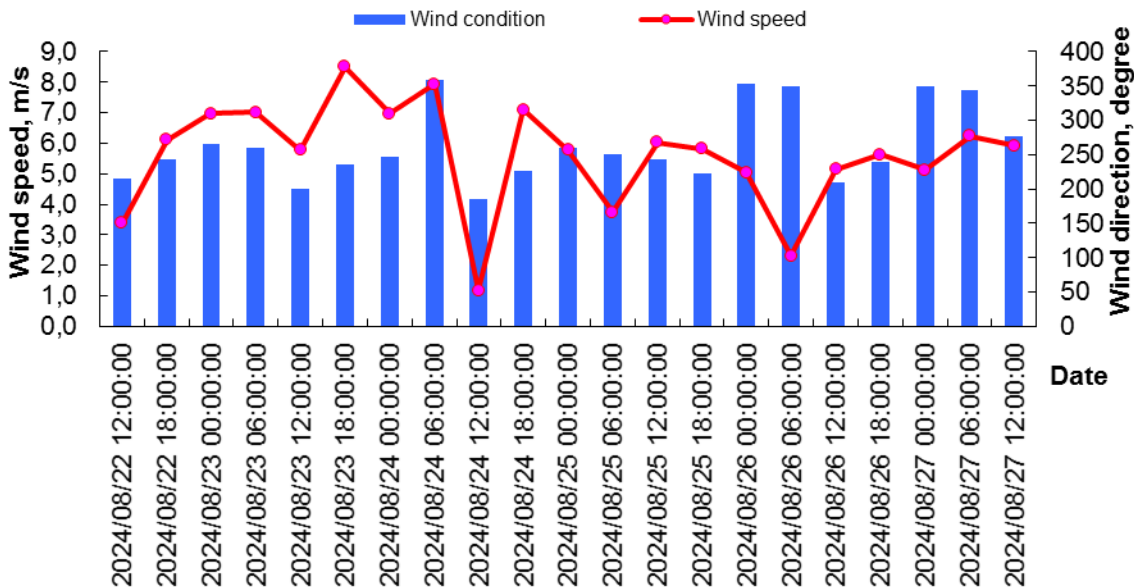


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REPUBLIC OF KAZAKHSTAN

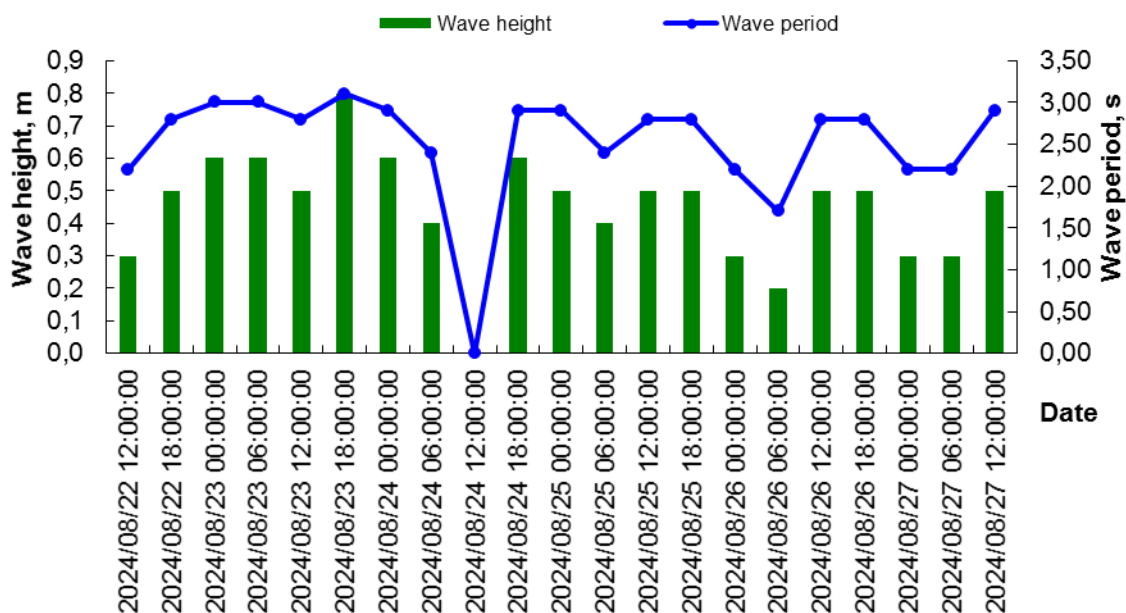
REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»

Forecast of the wave and wind condition for Middle part of the Caspian Sea  
Probability – 5 days, period 22 – 27 August 2024.

Wind condition in the Bautino Bay



Wave condition in the Bautino Bay



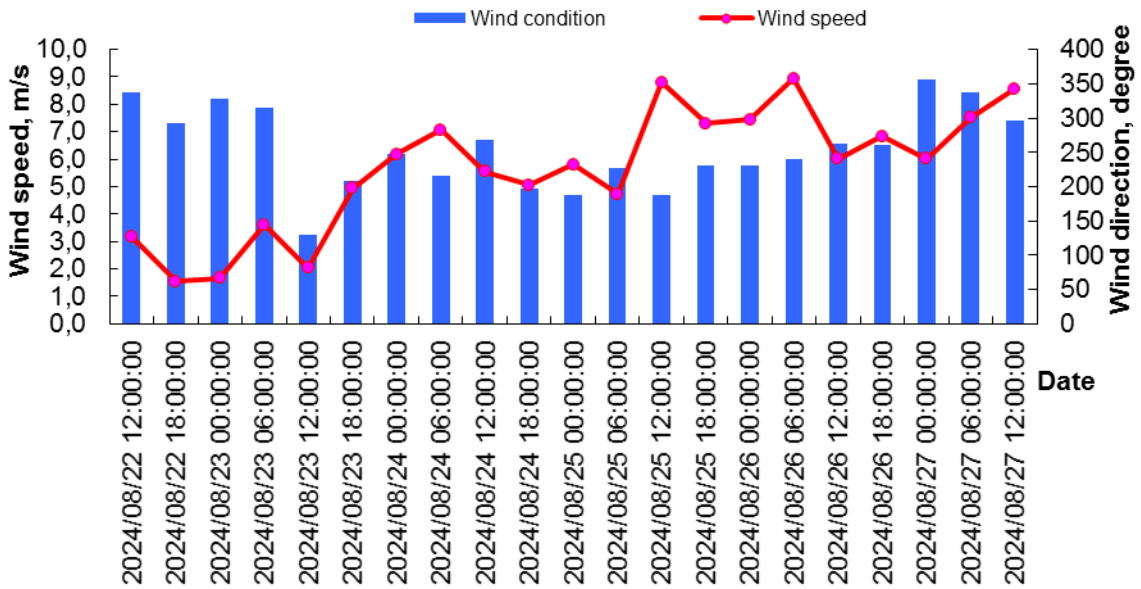
| Date Time           | Wind speed (WS) and wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|---------------------|---|----------|--|------|
|                     | WS, m/s                                 | WD, rumb | H, m                                       | t, s |
|                     | 2024/08/22 12:00:00                     | 3,4      | SW   | 0,3  |
| 2024/08/22 18:00:00 | 6,1                                     | SW       | 0,5  | 2,8  |
| 2024/08/23 00:00:00 | 7,0                                     | W        | 0,6  | 3,0  |
| 2024/08/23 06:00:00 | 7,0                                     | W        | 0,6  | 3,0  |
| 2024/08/23 12:00:00 | 5,8                                     | S        | 0,5  | 2,8  |
| 2024/08/23 18:00:00 | 8,5                                     | SW       | 0,8  | 3,1  |
| 2024/08/24 00:00:00 | 7,0                                     | SW       | 0,6  | 2,9  |
| 2024/08/24 06:00:00 | 7,9                                     | N        | 0,4  | 2,4  |
| 2024/08/24 12:00:00 | 1,2                                     | S        | 0,0  | 0,0  |
| 2024/08/24 18:00:00 | 7,1                                     | SW       | 0,6  | 2,9  |
| 2024/08/25 00:00:00 | 5,8                                     | W        | 0,5  | 2,9  |
| 2024/08/25 06:00:00 | 3,7                                     | W        | 0,4  | 2,4  |
| 2024/08/25 12:00:00 | 6,0                                     | SW       | 0,5  | 2,8  |
| 2024/08/25 18:00:00 | 5,8                                     | SW       | 0,5  | 2,8  |
| 2024/08/26 00:00:00 | 5,0                                     | N        | 0,3  | 2,2  |
| 2024/08/26 06:00:00 | 2,3                                     | N        | 0,2  | 1,7  |
| 2024/08/26 12:00:00 | 5,1                                     | SW       | 0,5  | 2,8  |
| 2024/08/26 18:00:00 | 5,6                                     | SW       | 0,5  | 2,8  |
| 2024/08/27 00:00:00 | 5,1                                     | N        | 0,3  | 2,2  |
| 2024/08/27 06:00:00 | 6,2                                     | N        | 0,3  | 2,2  |
| 2024/08/27 12:00:00 | 5,9                                     | W        | 0,5  | 2,9  |

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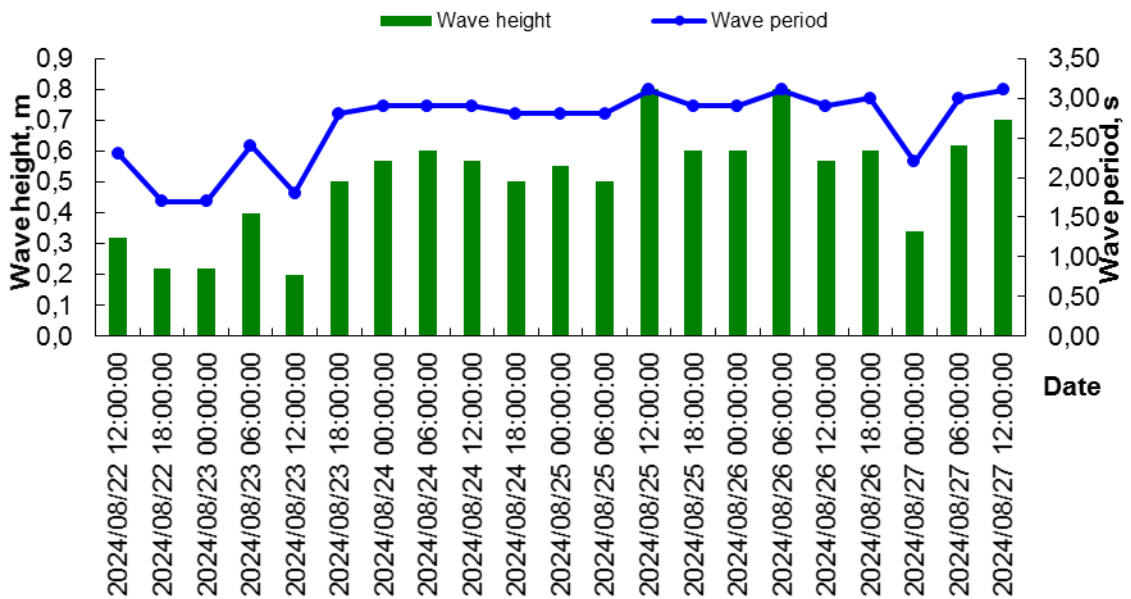
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Forecast of the wave and wind condition for Middle part of the Caspian Sea  
Probability – 5 days, period 22 – 27 August 2024.

Wind condition in the Kuryik Bay



Wave condition in the Kuryik Bay



| Date Time           | Wind speed (WS) and wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|---------------------|---|----------|--|------|
|                     | WS, m/s                                 | WD, rumb | H, m                                       | t, s |
| 2024/08/22 12:00:00 | 3,2                                     | NW       | 0,3  | 2,3  |
| 2024/08/22 18:00:00 | 1,5                                     | NW       | 0,2  | 1,7  |
| 2024/08/23 00:00:00 | 1,7                                     | NW       | 0,2  | 1,7  |
| 2024/08/23 06:00:00 | 3,6                                     | NW       | 0,4  | 2,4  |
| 2024/08/23 12:00:00 | 2,0                                     | SE       | 0,2  | 1,8  |
| 2024/08/23 18:00:00 | 4,9                                     | SW       | 0,5  | 2,8  |
| 2024/08/24 00:00:00 | 6,2                                     | W        | 0,6  | 2,9  |
| 2024/08/24 06:00:00 | 7,1                                     | SW       | 0,6  | 2,9  |
| 2024/08/24 12:00:00 | 5,6                                     | W        | 0,6  | 2,9  |
| 2024/08/24 18:00:00 | 5,1                                     | S        | 0,5  | 2,8  |
| 2024/08/25 00:00:00 | 5,8                                     | S        | 0,6  | 2,8  |
| 2024/08/25 06:00:00 | 4,7                                     | SW       | 0,5  | 2,8  |
| 2024/08/25 12:00:00 | 8,8                                     | S        | 0,8  | 3,1  |
| 2024/08/25 18:00:00 | 7,3                                     | SW       | 0,6  | 2,9  |
| 2024/08/26 00:00:00 | 7,4                                     | SW       | 0,6  | 2,9  |
| 2024/08/26 06:00:00 | 8,9                                     | SW       | 0,8  | 3,1  |
| 2024/08/26 12:00:00 | 6,0                                     | W        | 0,6  | 2,9  |
| 2024/08/26 18:00:00 | 6,8                                     | W        | 0,6  | 3,0  |
| 2024/08/27 00:00:00 | 6,0                                     | N        | 0,3  | 2,2  |
| 2024/08/27 06:00:00 | 7,5                                     | NW       | 0,6  | 3,0  |
| 2024/08/27 12:00:00 | 8,6                                     | NW       | 0,7  | 3,1  |

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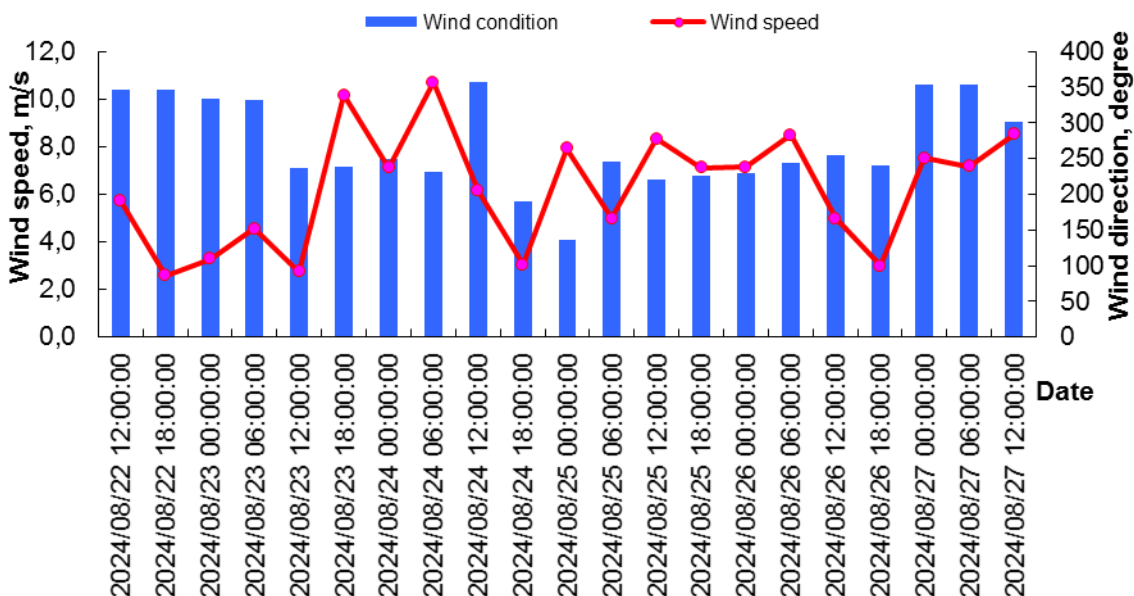


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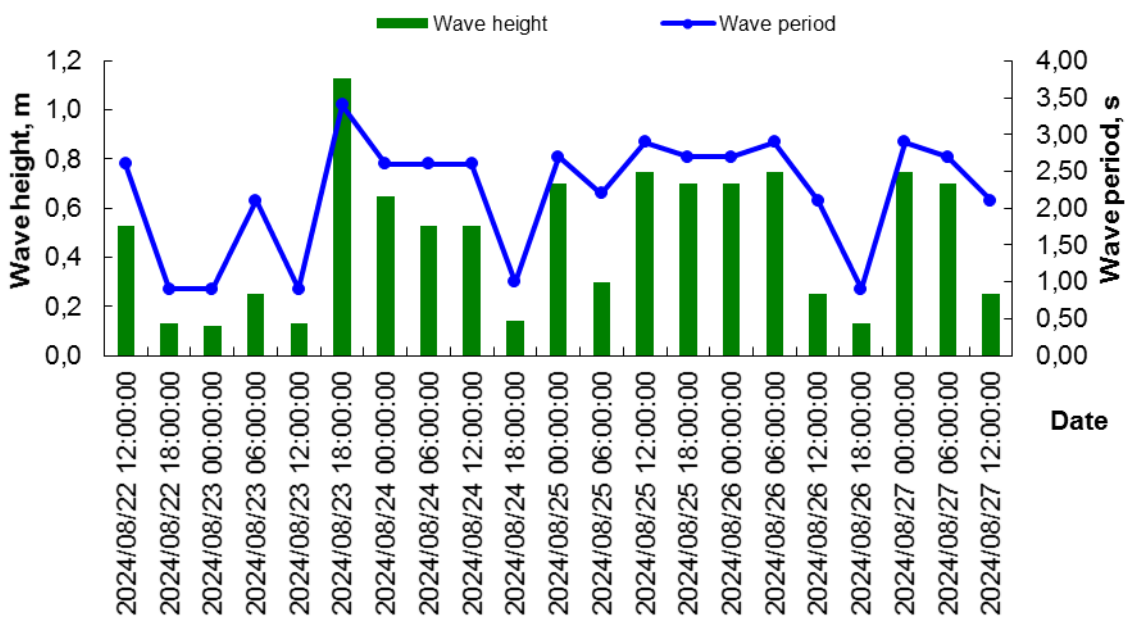
**REPUBLIC STATE-OWNED ENTERPRISE «KAZHYDROMET»**

**Forecast of the wave and wind condition for Middle part of the Caspian Sea  
Probability – 5 days, period 22 – 27 August 2024.**

**Wind condition in the 21142 unit**



**Wave condition in the 21142 unit**



| Date Time           | Wind speed (WS) and wind direction (WD) |          | Wave height (H) and wave period ( $\tau$ ) |      |
|---------------------|---|----------|--|------|
|                     | WS, m/s                                 | WD, rumb | H, m                                       | t, s |
| 2024/08/22 12:00:00 | 5,7                                     | N        | 0,5  | 2,6  |
| 2024/08/22 18:00:00 | 2,6                                     | N        | 0,1  | 0,9  |
| 2024/08/23 00:00:00 | 3,3                                     | NW       | 0,1  | 0,9  |
| 2024/08/23 06:00:00 | 4,6                                     | NW       | 0,3  | 2,1  |
| 2024/08/23 12:00:00 | 2,8                                     | SW       | 0,1  | 0,9  |
| 2024/08/23 18:00:00 | 10,2                                    | SW       | 1,1  | 3,4  |
| 2024/08/24 00:00:00 | 7,1                                     | W        | 0,7  | 2,6  |
| 2024/08/24 06:00:00 | 10,7                                    | SW       | 0,5  | 2,6  |
| 2024/08/24 12:00:00 | 6,2                                     | N        | 0,5  | 2,6  |
| 2024/08/24 18:00:00 | 3,0                                     | S        | 0,1  | 1,0  |
| 2024/08/25 00:00:00 | 7,9                                     | SE       | 0,7  | 2,7  |
| 2024/08/25 06:00:00 | 5,0                                     | SW       | 0,3  | 2,2  |
| 2024/08/25 12:00:00 | 8,3                                     | SW       | 0,8  | 2,9  |
| 2024/08/25 18:00:00 | 7,1                                     | SW       | 0,7  | 2,7  |
| 2024/08/26 00:00:00 | 7,1                                     | SW       | 0,7  | 2,7  |
| 2024/08/26 06:00:00 | 8,5                                     | SW       | 0,8  | 2,9  |
| 2024/08/26 12:00:00 | 5,0                                     | W        | 0,3  | 2,1  |
| 2024/08/26 18:00:00 | 3,0                                     | SW       | 0,1  | 0,9  |
| 2024/08/27 00:00:00 | 7,5                                     | N        | 0,8  | 2,9  |
| 2024/08/27 06:00:00 | 7,2                                     | N        | 0,7  | 2,7  |
| 2024/08/27 12:00:00 | 8,5                                     | NW       | 0,3  | 2,1  |

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