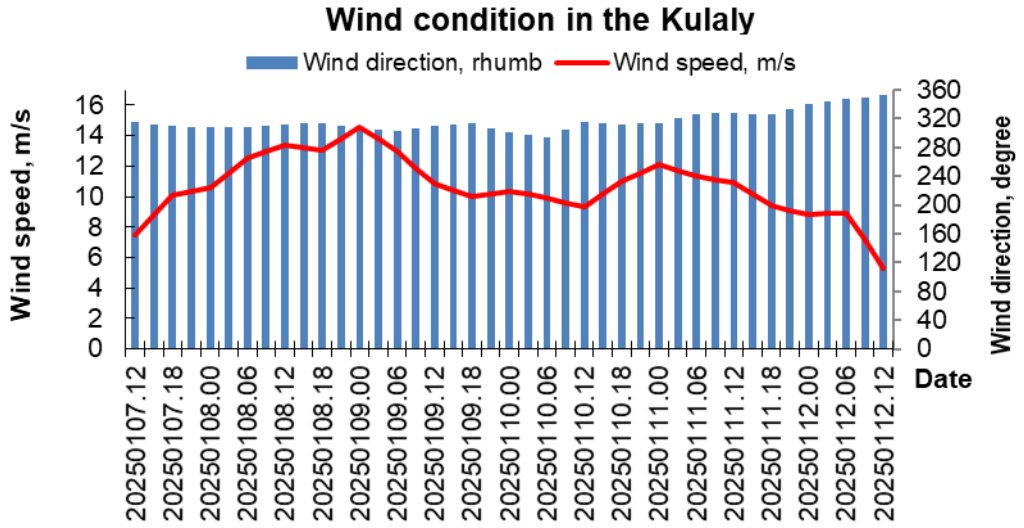
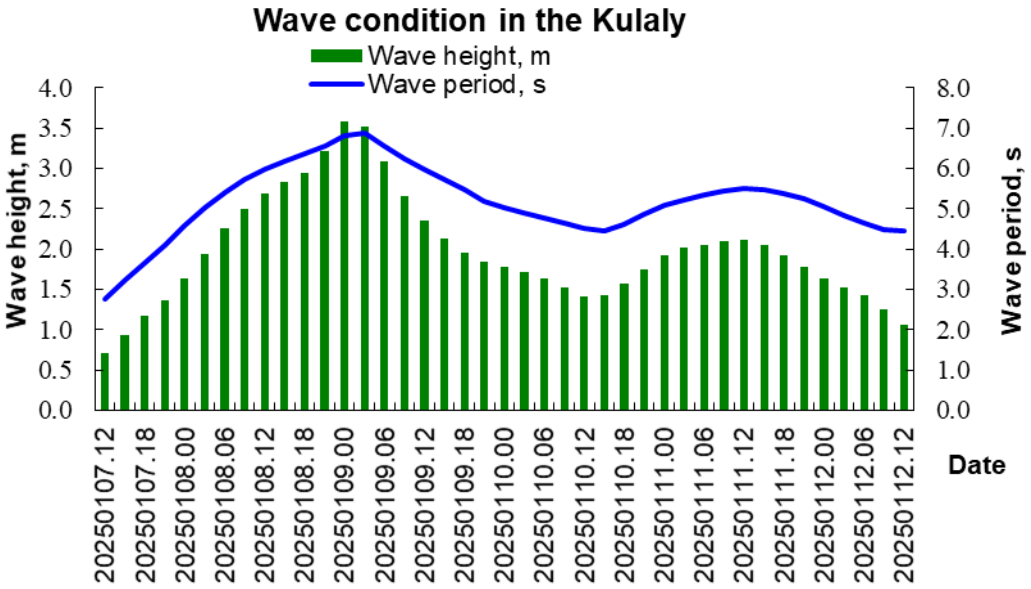
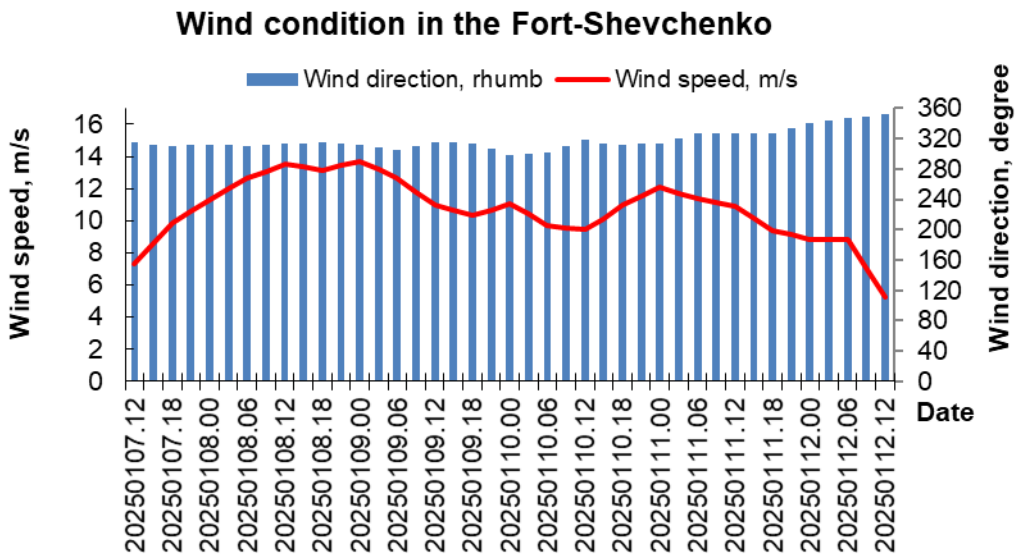
MINISTRY OF ECOLOGY AND NATURAL RESOURCES OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»

Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance for the period January 07-12, 2024.





Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250107.12	0.71	SE	2.8	7	NW
20250107.15	0.93	SE	3.2	9	NW
20250107.18	1.17	SE	3.7	10	NW
20250107.21	1.37	SE	4.1	10	NW
20250108.00	1.64	SE	4.6	11	NW
20250108.03	1.94	SE	5.0	12	NW
20250108.06	2.26	SE	5.4	13	NW
20250108.09	2.50	SE	5.7	13	NW
20250108.12	2.69	SE	6.0	13	NW
20250108.15	2.83	SE	6.2	13	NW
20250108.18	2.95	SE	6.4	13	NW
20250108.21	3.22	SE	6.6	14	NW
20250109.00	3.58	E	6.8	15	NW
20250109.03	3.52	E	6.9	14	NW
20250109.06	3.09	SE	6.5	13	NW
20250109.09	2.66	SE	6.2	12	NW
20250109.12	2.36	SE	6.0	11	NW
20250109.15	2.13	SE	5.7	10	NW
20250109.18	1.95	SE	5.5	10	NW
20250109.21	1.85	SE	5.2	10	NW
20250110.00	1.79	SE	5.0	10	NW
20250110.03	1.72	SE	4.9	10	NW
20250110.06	1.63	SE	4.8	10	NW
20250110.09	1.53	SE	4.6	10	NW
20250110.12	1.41	SE	4.5	9	NW
20250110.15	1.43	SE	4.5	10	NW
20250110.18	1.57	SE	4.6	11	NW
20250110.21	1.75	SE	4.9	12	NW
20250111.00	1.93	SE	5.1	12	NW
20250111.03	2.01	SE	5.2	12	NW
20250111.06	2.05	SE	5.3	11	NW
20250111.09	2.10	SE	5.4	11	NW
20250111.12	2.12	SE	5.5	11	NW
20250111.15	2.06	SE	5.5	10	NW
20250111.18	1.93	SE	5.4	9	NW
20250111.21	1.78	SE	5.2	9	NW
20250112.00	1.64	SE	5.1	9	N
20250112.03	1.52	SE	4.9	9	N
20250112.06	1.42	SE	4.6	9	N
20250112.09	1.26	SE	4.5	7	N
20250112.12	1.05	SE	4.4	5	N


Wind condition in the Fort-Shevchenko
Wind direction, rhumb
Wind speed, m/s
Wind speed, m/s
Wind direction, degree
Date
0
2
4
6
8
10
12
14
16
0
40
80
120
160
200
240
280
320
360
20250107.12
20250107.18
20250108.00
20250108.06
20250108.12
20250108.18
20250109.00
20250109.06
20250109.12
20250109.18
20250110.00
20250110.06
20250110.12
20250110.18
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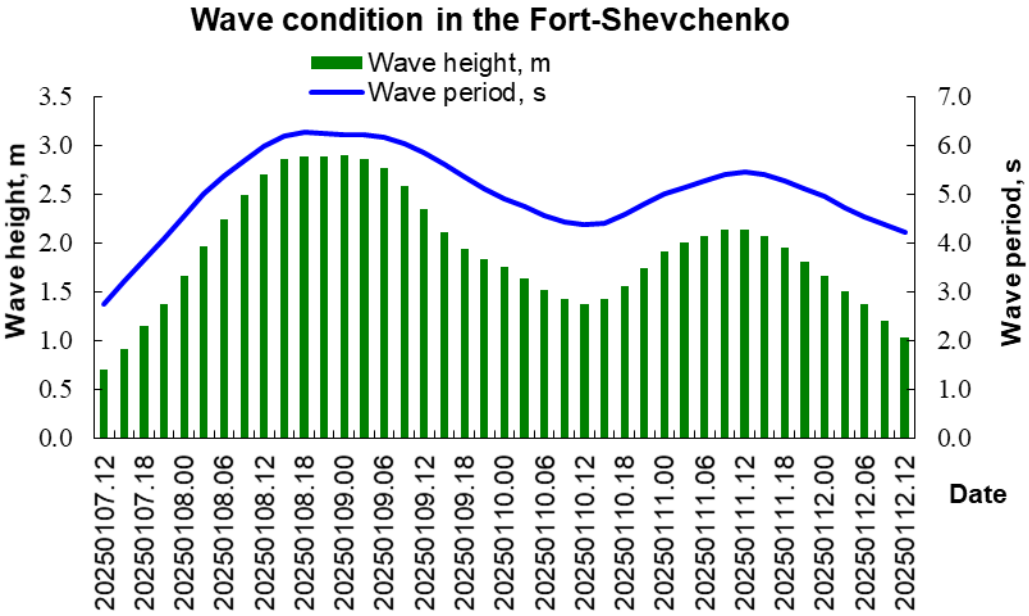
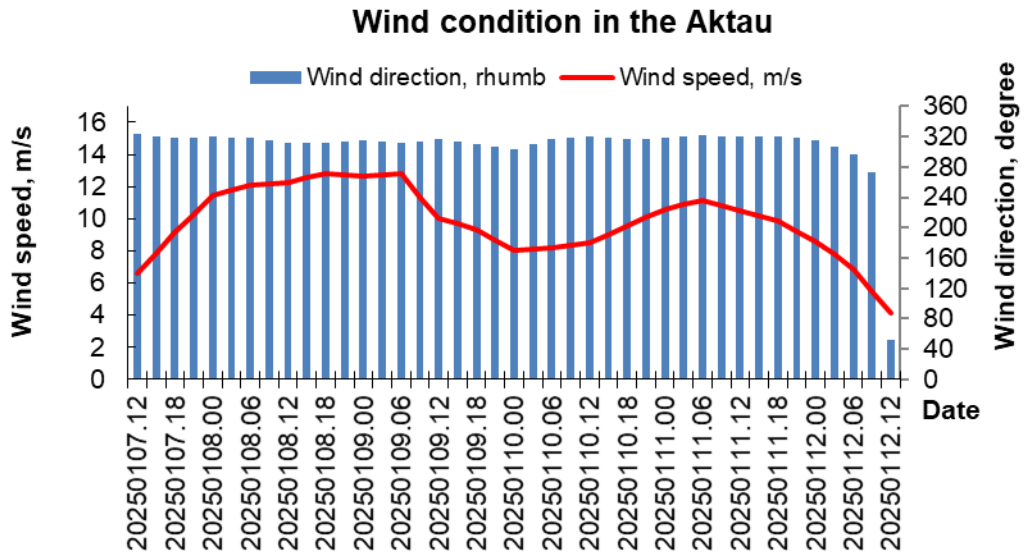
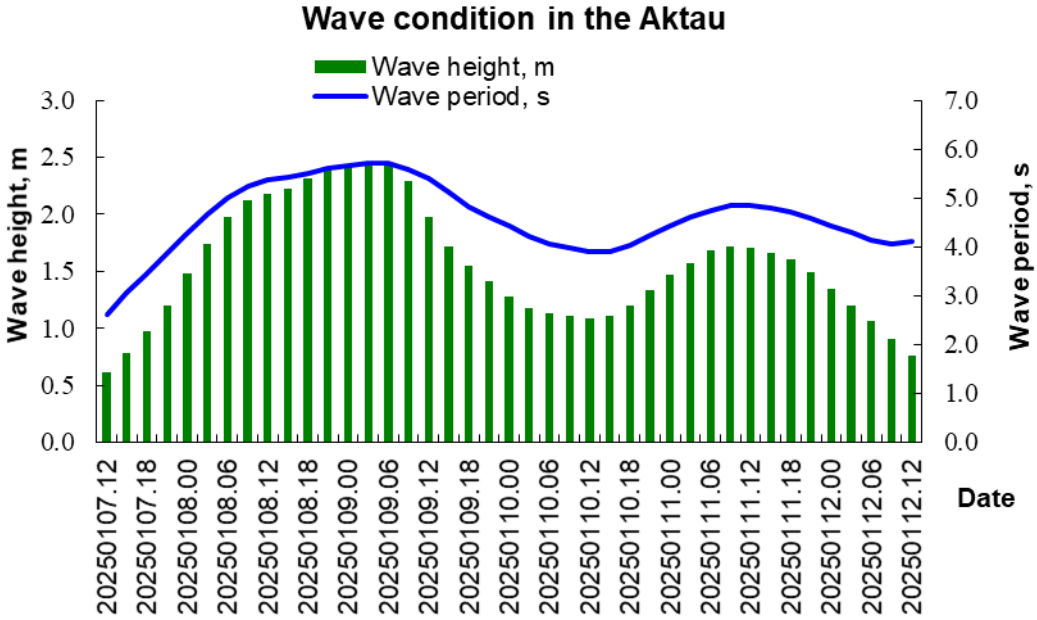
20250111.12
20250111.18
20250112.00
20250112.06
20250112.12

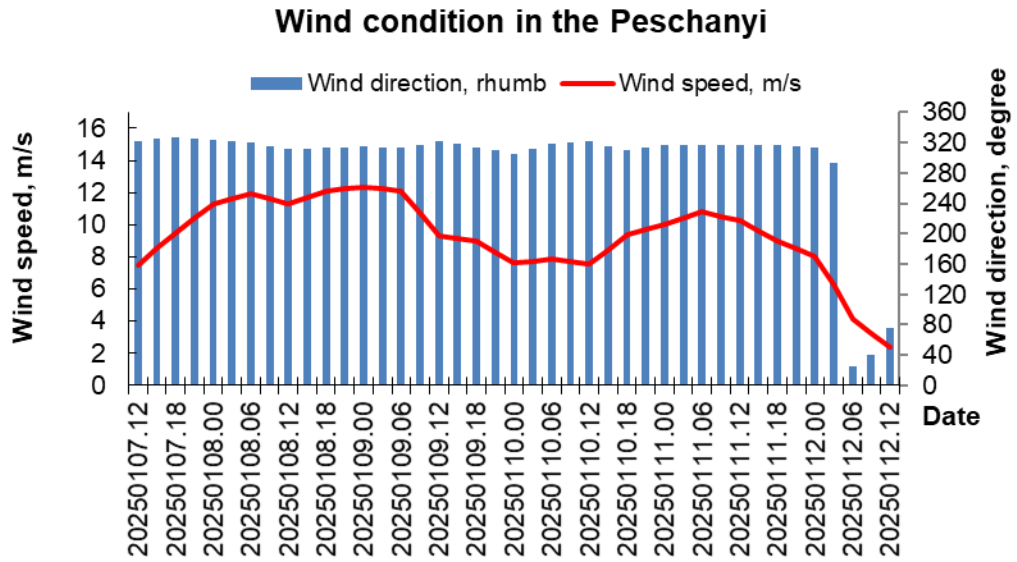

Wave condition in the Fort-Shevchenko
Wave height, m
Wave period, s
Wave height, m
Wave period, s
Date
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
20250107.12
20250107.18
20250108.00
20250108.06
20250108.12
20250108.18
20250109.00
20250109.06
20250109.12
20250109.18
20250110.00
20250110.06
20250110.12
20250110.18
20250111.00
20250111.06
20250111.12
20250111.18
20250112.00
20250112.06
20250112.12

Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250107.12	0.70	SE	2.8	7	NW
20250107.15	0.91	SE	3.2	9	NW
20250107.18	1.15	SE	3.6	10	NW
20250107.21	1.37	SE	4.1	11	NW
20250108.00	1.66	SE	4.6	11	NW
20250108.03	1.97	SE	5.0	12	NW
20250108.06	2.24	SE	5.4	13	NW
20250108.09	2.49	SE	5.7	13	NW
20250108.12	2.71	SE	6.0	13	NW
20250108.15	2.85	SE	6.2	13	NW
20250108.18	2.88	SE	6.3	13	NW
20250108.21	2.89	SE	6.2	13	NW
20250109.00	2.90	SE	6.2	14	NW
20250109.03	2.86	SE	6.2	13	NW
20250109.06	2.76	SE	6.2	13	NW
20250109.09	2.59	SE	6.0	12	NW
20250109.12	2.35	SE	5.9	11	NW
20250109.15	2.11	SE	5.6	11	NW
20250109.18	1.94	SE	5.3	10	NW
20250109.21	1.83	SE	5.1	11	NW
20250110.00	1.75	SE	4.9	11	NW
20250110.03	1.64	SE	4.7	10	NW
20250110.06	1.51	SE	4.6	10	NW
20250110.09	1.43	SE	4.4	10	NW
20250110.12	1.38	SE	4.4	9	NW
20250110.15	1.42	SE	4.4	10	NW
20250110.18	1.56	SE	4.6	11	NW
20250110.21	1.74	SE	4.8	12	NW
20250111.00	1.91	SE	5.0	12	NW
20250111.03	2.00	SE	5.1	12	NW
20250111.06	2.07	SE	5.3	11	NW
20250111.09	2.13	SE	5.4	11	NW
20250111.12	2.14	SE	5.4	11	NW
20250111.15	2.07	SE	5.4	10	NW
20250111.18	1.95	SE	5.3	9	NW
20250111.21	1.81	SE	5.1	9	NW
20250112.00	1.66	SE	4.9	9	N
20250112.03	1.50	SE	4.7	9	N
20250112.06	1.37	SE	4.5	9	N
20250112.09	1.21	SE	4.4	7	N
20250112.12	1.03	SE	4.2	5	N


Wind condition in the Aktau
Wind direction, rhumb
Wind speed, m/s
Wind speed, m/s
Wind direction, degree
Date


Wave condition in the Aktau
Wave height, m
Wave period, s
Wave height, m
Wave period, s
Date

Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20250107.12	0.61	SE	2.6	7	NW
20250107.15	0.79	SE	3.1	8	NW
20250107.18	0.98	SE	3.5	9	NW
20250107.21	1.20	SE	3.9	10	NW
20250108.00	1.48	SE	4.3	11	NW
20250108.03	1.74	SE	4.7	12	NW
20250108.06	1.98	SE	5.0	12	NW
20250108.09	2.13	SE	5.3	12	NW
20250108.12	2.17	SE	5.4	12	NW
20250108.15	2.22	SE	5.4	13	NW
20250108.18	2.32	SE	5.5	13	NW
20250108.21	2.39	SE	5.6	13	NW
20250109.00	2.42	SE	5.7	13	NW
20250109.03	2.44	SE	5.7	13	NW
20250109.06	2.45	SE	5.7	13	NW
20250109.09	2.29	SE	5.6	11	NW
20250109.12	1.97	SE	5.4	10	NW
20250109.15	1.71	SE	5.1	10	NW
20250109.18	1.55	SE	4.8	9	NW
20250109.21	1.41	SE	4.6	9	NW
20250110.00	1.27	SE	4.4	8	NW
20250110.03	1.18	SE	4.2	8	NW
20250110.06	1.13	SE	4.1	8	NW
20250110.09	1.10	SE	4.0	8	NW
20250110.12	1.08	SE	3.9	8	NW
20250110.15	1.11	SE	3.9	9	NW
20250110.18	1.20	SE	4.0	10	NW
20250110.21	1.33	SE	4.2	10	NW
20250111.00	1.47	SE	4.4	11	NW
20250111.03	1.58	SE	4.6	11	NW
20250111.06	1.68	SE	4.7	11	NW
20250111.09	1.72	SE	4.8	11	NW
20250111.12	1.71	SE	4.9	10	NW
20250111.15	1.66	SE	4.8	10	NW
20250111.18	1.60	SE	4.7	10	NW
20250111.21	1.49	SE	4.6	9	NW
20250112.00	1.34	SE	4.4	9	NW
20250112.03	1.19	SE	4.3	8	NW
20250112.06	1.06	SE	4.1	7	NW
20250112.09	0.91	SE	4.1	5	W
20250112.12	0.76	SE	4.1	4	NE


Wind condition in the Peschanyi
Wind direction, rhumb
Wind speed, m/s
Wind speed, m/s
Wind direction, degree
Date
0
2
4
6
8
10
12
14
16
0
40
80
120
160
200
240
280
320
360
20250107.12
20250107.18
20250108.00
20250108.06
20250108.12
20250108.18
20250109.00
20250109.06
20250109.12
20250109.18
20250110.00
20250110.06
20250110.12
20250110.18
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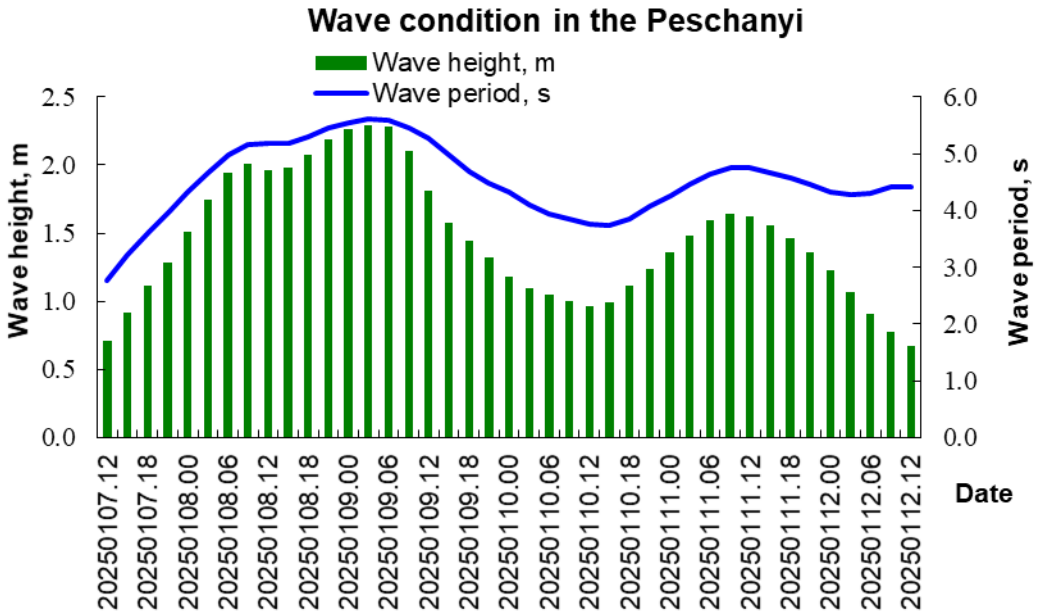
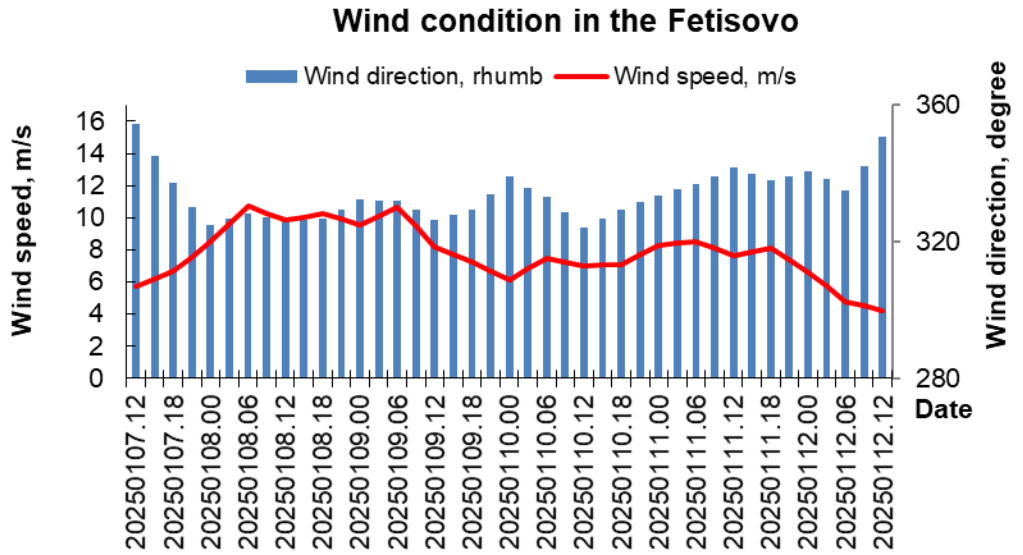
20250111.18
20250112.00
20250112.06
20250112.12


Wave condition in the Peschanyi
Wave height, m
Wave period, s
Wave height, m
Wave period, s
Date
0.0
0.5
1.0
1.5
2.0
2.5
0.0
1.0
2.0
3.0
4.0
5.0
6.0
20250107.12
20250107.18
20250108.00
20250108.06
20250108.12
20250108.18
20250109.00
20250109.06
20250109.12
20250109.18
20250110.00
20250110.06
20250110.12
20250110.18
20250111.00
20250111.06
20250111.12
20250111.18
20250112.00
20250112.06
20250112.12

Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250107.12	0.71	SE	2.8	7	NW
20250107.15	0.92	SE	3.2	8	NW
20250107.18	1.12	SE	3.6	9	NW
20250107.21	1.29	SE	4.0	10	NW
20250108.00	1.51	SE	4.3	11	NW
20250108.03	1.74	SE	4.7	12	NW
20250108.06	1.94	SE	5.0	12	NW
20250108.09	2.01	SE	5.2	12	NW
20250108.12	1.96	SE	5.2	11	NW
20250108.15	1.98	SE	5.2	12	NW
20250108.18	2.08	SE	5.3	12	NW
20250108.21	2.18	SE	5.4	12	NW
20250109.00	2.26	SE	5.6	12	NW
20250109.03	2.29	SE	5.6	12	NW
20250109.06	2.28	SE	5.6	12	NW
20250109.09	2.11	SE	5.5	11	NW
20250109.12	1.82	SE	5.3	9	NW
20250109.15	1.58	SE	5.0	9	NW
20250109.18	1.44	SE	4.7	9	NW
20250109.21	1.32	SE	4.5	8	NW
20250110.00	1.18	SE	4.3	8	NW
20250110.03	1.10	SE	4.1	8	NW
20250110.06	1.05	SE	3.9	8	NW
20250110.09	1.00	SE	3.8	8	NW
20250110.12	0.96	SE	3.8	8	NW
20250110.15	0.99	SE	3.7	8	NW
20250110.18	1.12	SE	3.9	9	NW
20250110.21	1.24	SE	4.1	10	NW
20250111.00	1.36	SE	4.3	10	NW
20250111.03	1.48	SE	4.5	10	NW
20250111.06	1.59	SE	4.6	11	NW
20250111.09	1.64	SE	4.7	11	NW
20250111.12	1.62	SE	4.8	10	NW
20250111.15	1.56	SE	4.7	10	NW
20250111.18	1.47	SE	4.6	9	NW
20250111.21	1.36	SE	4.5	8	NW
20250112.00	1.23	SE	4.3	8	NW
20250112.03	1.06	SE	4.3	6	NW
20250112.06	0.91	SE	4.3	4	NE
20250112.09	0.78	SE	4.4	3	NE
20250112.12	0.67	SE	4.4	2	E


Wind condition in the Fetisovo
Wind direction, rhumb
Wind speed, m/s
Wind speed, m/s
Wind direction, degree
Date
0
2
4
6
8
10
12
14
16
280
320
360
20250107.12
20250107.18
20250108.00
20250108.06
20250108.12
20250108.18
20250109.00
20250109.06
20250109.12
20250109.18
20250110.00
20250110.06
20250110.12
20250110.18
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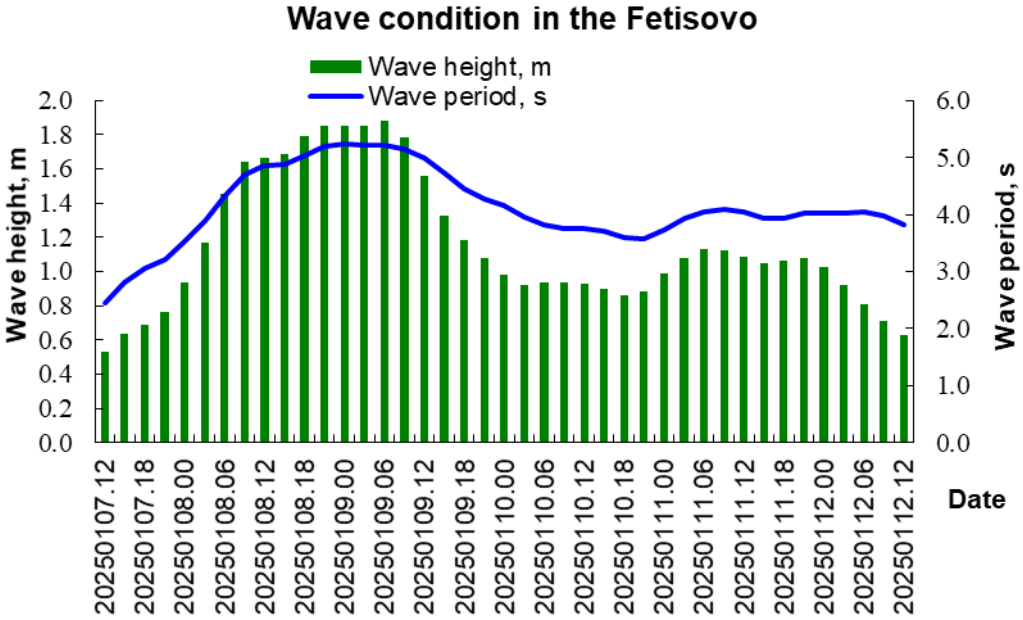
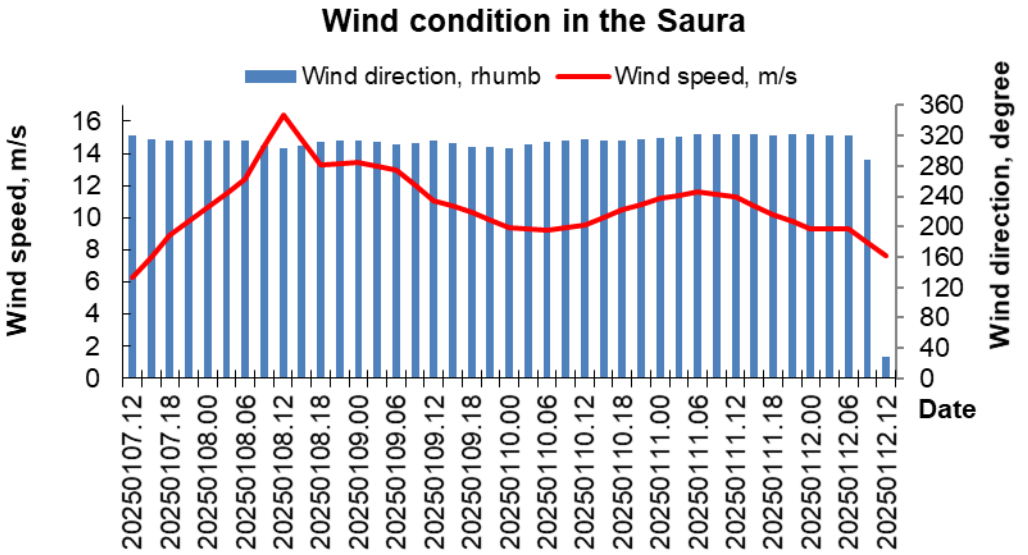
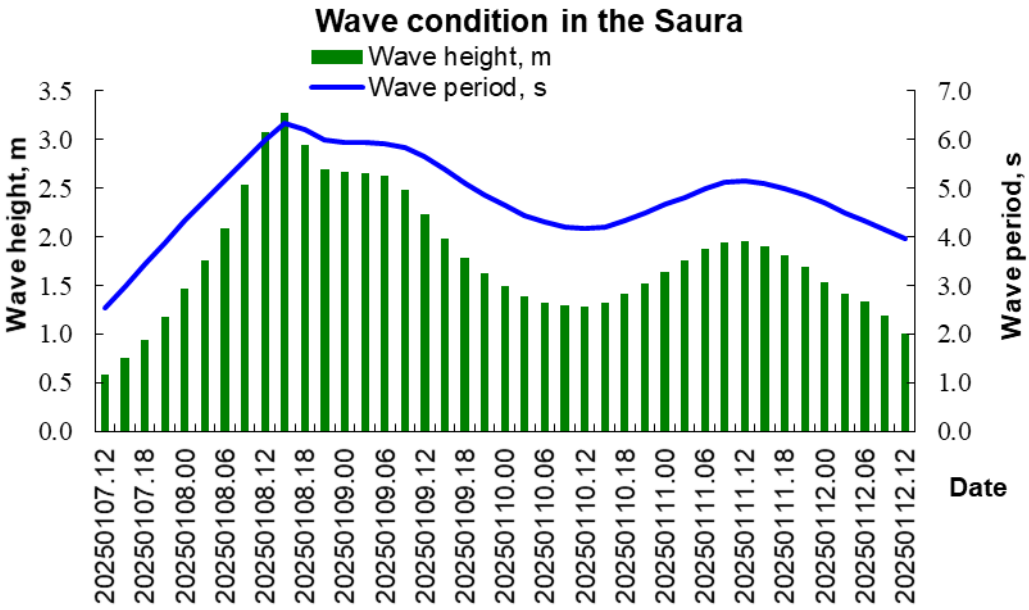
20250111.18
20250112.00
20250112.06
20250112.12

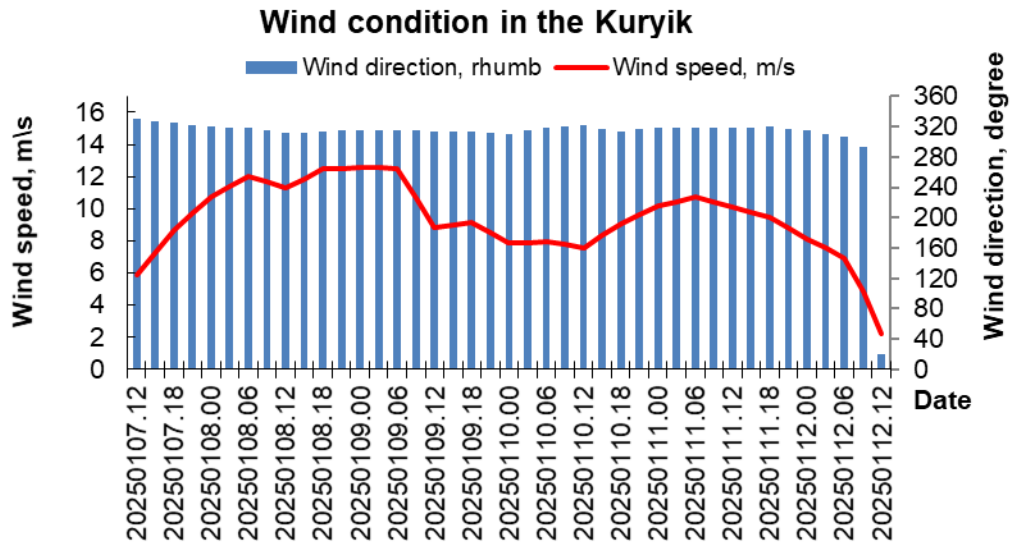

Wave condition in the Fetisovo
Wave height, m
Wave period, s
Wave height, m
Wave period, s
Date
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
0.0
1.0
2.0
3.0
4.0
5.0
6.0
20250107.12
20250107.18
20250108.00
20250108.06
20250108.12
20250108.18
20250109.00
20250109.06
20250109.12
20250109.18
20250110.00
20250110.06
20250110.12
20250110.18
20250111.00
20250111.06
20250111.12
20250111.18
20250112.00
20250112.06
20250112.12

Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250107.12	0.53	S	2.4	6	N
20250107.15	0.64	S	2.8	6	N
20250107.18	0.69	S	3.1	7	NW
20250107.21	0.76	S	3.2	8	NW
20250108.00	0.93	SE	3.5	8	NW
20250108.03	1.17	SE	3.9	10	NW
20250108.06	1.46	SE	4.3	11	NW
20250108.09	1.64	SE	4.7	10	NW
20250108.12	1.67	SE	4.9	10	NW
20250108.15	1.69	SE	4.9	10	NW
20250108.18	1.79	SE	5.0	10	NW
20250108.21	1.86	SE	5.2	10	NW
20250109.00	1.85	SE	5.2	10	NW
20250109.03	1.85	SE	5.2	10	NW
20250109.06	1.88	SE	5.2	11	NW
20250109.09	1.78	SE	5.1	9	NW
20250109.12	1.56	SE	5.0	8	NW
20250109.15	1.33	SE	4.7	8	NW
20250109.18	1.18	SE	4.4	7	NW
20250109.21	1.07	SE	4.3	7	NW
20250110.00	0.98	SE	4.2	6	N
20250110.03	0.92	SE	4.0	7	NW
20250110.06	0.93	SE	3.8	7	NW
20250110.09	0.93	SE	3.8	7	NW
20250110.12	0.93	SE	3.8	7	NW
20250110.15	0.90	SE	3.7	7	NW
20250110.18	0.86	SE	3.6	7	NW
20250110.21	0.89	SE	3.6	8	NW
20250111.00	0.99	SE	3.7	8	NW
20250111.03	1.08	SE	3.9	8	NW
20250111.06	1.13	SE	4.0	9	NW
20250111.09	1.12	SE	4.1	8	N
20250111.12	1.08	SE	4.0	8	N
20250111.15	1.05	SE	3.9	8	N
20250111.18	1.07	SE	3.9	8	N
20250111.21	1.08	SE	4.0	7	N
20250112.00	1.03	SE	4.0	7	N
20250112.03	0.92	SE	4.0	6	N
20250112.06	0.81	SE	4.1	5	NW
20250112.09	0.71	SE	4.0	4	N
20250112.12	0.62	SE	3.8	4	N


Wind condition in the Saura
Wind direction, rhumb
Wind speed, m/s
Wind speed, m/s
Wind direction, degree
Date
0
2
4
6
8
10
12
14
16
0
40
80
120
160
200
240
280
320
360
20250107.12
20250107.18
20250108.00
20250108.06
20250108.12
20250108.18
20250109.00
20250109.06
20250109.12
20250109.18
20250110.00
20250110.06
20250110.12
20250110.18
20250111.00
20250111.06
20250111.12
20250111.18
20250112.00
20250112.06
20250112.12


Wave condition in the Saura
Wave height, m
Wave period, s
Wave height, m
Wave period, s
Date
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
20250107.12
20250107.18
20250108.00
20250108.06
20250108.12
20250108.18
20250109.00
20250109.06
20250109.12
20250109.18
20250110.00
20250110.06
20250110.12
20250110.18
20250111.00
20250111.06
20250111.12
20250111.18
20250112.00
20250112.06
20250112.12

Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250107.12	0.58	SE	2.5	6	NW
20250107.15	0.75	SE	3.0	8	NW
20250107.18	0.95	SE	3.4	9	NW
20250107.21	1.18	SE	3.9	10	NW
20250108.00	1.46	SE	4.3	11	NW
20250108.03	1.76	SE	4.8	12	NW
20250108.06	2.08	SE	5.2	12	NW
20250108.09	2.54	SE	5.6	14	NW
20250108.12	3.07	SE	6.0	16	NW
20250108.15	3.28	SE	6.3	15	NW
20250108.18	2.94	SE	6.2	13	NW
20250108.21	2.70	SE	6.0	13	NW
20250109.00	2.67	SE	6.0	13	NW
20250109.03	2.65	SE	5.9	13	NW
20250109.06	2.62	SE	5.9	13	NW
20250109.09	2.48	SE	5.8	12	NW
20250109.12	2.23	SE	5.6	11	NW
20250109.15	1.98	SE	5.4	11	NW
20250109.18	1.78	SE	5.1	10	NW
20250109.21	1.63	SE	4.9	10	NW
20250110.00	1.49	SE	4.6	9	NW
20250110.03	1.39	SE	4.5	9	NW
20250110.06	1.33	SE	4.3	9	NW
20250110.09	1.29	SE	4.2	9	NW
20250110.12	1.28	SE	4.2	10	NW
20250110.15	1.32	SE	4.2	10	NW
20250110.18	1.41	SE	4.3	10	NW
20250110.21	1.52	SE	4.5	11	NW
20250111.00	1.64	SE	4.7	11	NW
20250111.03	1.76	SE	4.8	11	NW
20250111.06	1.87	SE	5.0	12	NW
20250111.09	1.94	SE	5.1	11	NW
20250111.12	1.95	SE	5.2	11	NW
20250111.15	1.90	SE	5.1	11	NW
20250111.18	1.81	SE	5.0	10	NW
20250111.21	1.69	SE	4.9	10	NW
20250112.00	1.54	SE	4.7	9	NW
20250112.03	1.41	SE	4.5	9	NW
20250112.06	1.33	SE	4.3	9	NW
20250112.09	1.19	SE	4.2	8	W
20250112.12	1.01	SE	4.0	8	NE


Wind condition in the Kuryik
Wind direction, rhumb
Wind speed, m/s
Wind speed, m\s
Wind direction, degree
Date
0
2
4
6
8
10
12
14
16
0
40
80
120
160
200
240
280
320
360
20250107.12
20250107.18
20250108.00
20250108.06
20250108.12
20250108.18
20250109.00
20250109.06
20250109.12
20250109.18
20250110.00
20250110.06
20250110.12
20250110.18
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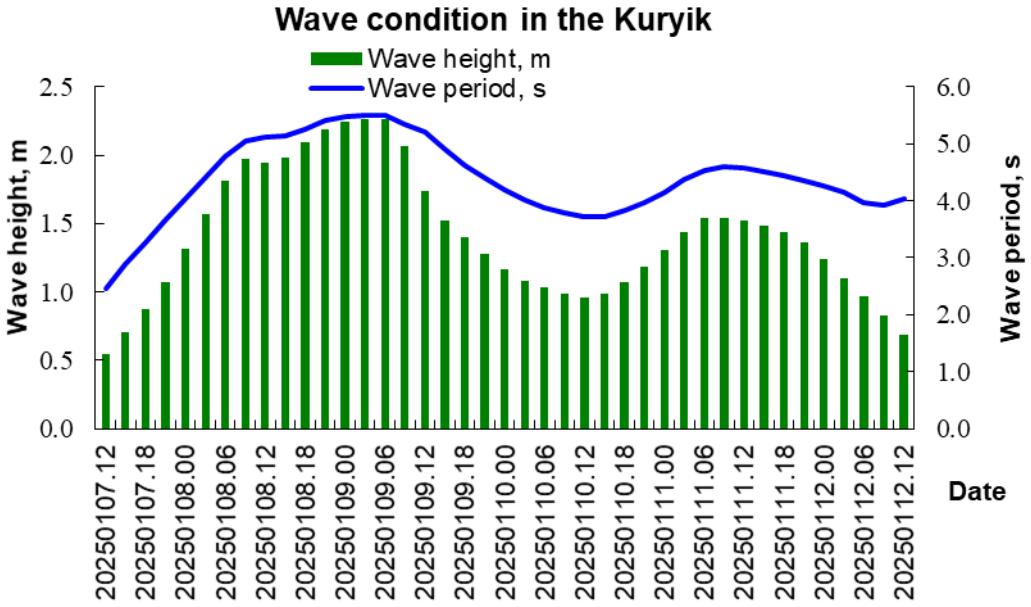
20250111.06
20250111.12
20250111.18
20250112.00
20250112.06
20250112.12


Wave condition in the Kuryik
Wave height, m
Wave period, s
Wave height, m
Wave period, s
Date
0.0
0.5
1.0
1.5
2.0
2.5
0.0
1.0
2.0
3.0
4.0
5.0
6.0
20250107.12
20250107.18
20250108.00
20250108.06
20250108.12
20250108.18
20250109.00
20250109.06
20250109.12
20250109.18
20250110.00
20250110.06
20250110.12
20250110.18
20250111.00
20250111.06
20250111.12
20250111.18
20250112.00
20250112.06
20250112.12

Date time	Kuryik				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250107.12	0.54	SE	2.5	6	NW
20250107.15	0.70	SE	2.9	7	NW
20250107.18	0.88	SE	3.3	9	NW
20250107.21	1.07	SE	3.6	10	NW
20250108.00	1.32	SE	4.0	11	NW
20250108.03	1.57	SE	4.4	11	NW
20250108.06	1.81	SE	4.8	12	NW
20250108.09	1.97	SE	5.0	12	NW
20250108.12	1.94	SE	5.1	11	NW
20250108.15	1.98	SE	5.1	12	NW
20250108.18	2.10	SE	5.3	12	NW
20250108.21	2.19	SE	5.4	13	NW
20250109.00	2.24	SE	5.5	13	NW
20250109.03	2.27	SE	5.5	13	NW
20250109.06	2.26	SE	5.5	13	NW
20250109.09	2.06	SE	5.3	11	NW
20250109.12	1.74	SE	5.2	9	NW
20250109.15	1.52	SE	4.9	9	NW
20250109.18	1.40	SE	4.6	9	NW
20250109.21	1.28	SE	4.4	8	NW
20250110.00	1.16	SE	4.2	8	NW
20250110.03	1.08	SE	4.0	8	NW
20250110.06	1.03	SE	3.9	8	NW
20250110.09	0.99	SE	3.8	8	NW
20250110.12	0.96	SE	3.7	8	NW
20250110.15	0.99	SE	3.7	8	NW
20250110.18	1.07	SE	3.8	9	NW
20250110.21	1.18	SE	4.0	10	NW
20250111.00	1.31	SE	4.2	10	NW
20250111.03	1.44	SE	4.4	10	NW
20250111.06	1.54	SE	4.5	11	NW
20250111.09	1.54	SE	4.6	10	NW
20250111.12	1.52	SE	4.6	10	NW
20250111.15	1.48	SE	4.5	10	NW
20250111.18	1.44	SE	4.4	9	NW
20250111.21	1.36	SE	4.4	9	NW
20250112.00	1.24	SE	4.3	8	NW
20250112.03	1.10	SE	4.1	8	NW
20250112.06	0.97	SE	4.0	7	NW
20250112.09	0.83	SE	3.9	5	NW
20250112.12	0.69	SE	4.0	2	N

**Calculation characteristics were obtained using the SWAN wave model, adapted in RSE «Kazhydromet» to the conditions of the Caspian Sea.*

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