



Sum up of celsius temperature for the month of Desember 2023

Governorate	Sana'a		Taiz		Dhamar		Ibb		Sa'dah		Dhale		La Bois		Al Mahwit		Amran		Shu'ayb		Hajjah	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
12/1/2023	23	5	26	13	22	4	25	8	24	6	27	10	27	7	23	9	24	5	16	1	25	13
12/2/2023	22	5	25	13	21	4	25	8	24	6	26	12	27	7	23	10	24	4	15	1	26	13
12/3/2023	22	4	225	14	21	3	24	7	24	5	25	7	25	7	23	10	23	4	14	1	24	14
12/4/2023	22	4	24	13	21	2	25	6	22	4	25	6	25	6	23	9	22	3	14	0	24	12
12/5/2023	23	4	26	13	21	2	25	7	22	5	25	8	25	6	24	10	23	3	15	0	24	12
12/6/2023	23	4	26	12	22	2	25	9	22	5	25	10	25	7	22	10	23	3	15	0	24	12
12/7/2023	22	2	26	12	21	0	26	7	23	3	27	12	24	8	22	11	23	2	15	1	24	12
12/8/2023	22	3	26	12	21	2	25	7	23	4	27	10	24	8	23	9	23	3	15	0	24	12
12/9/2023	22	2	25	12	21	1	24	8	23	3	27	10	24	8	22	10	22	2	13	1	23	12
12/10/2023	22	3	24	11	22	1	24	7	23	3	27	8	24	5	22	10	23	3	13	2	24	12
12/11/2023	23	3	25	12	22	1	24	7	22	3	25	10	24	5	22	10	22	2	14	1	24	13
12/12/2023	24	3	24	11	23	2	24	8	21	3	24	8	24	5	22	10	24	3	14	1	24	13
12/13/2023	24	4	26	11	23	3	25	9	25	5	26	9	25	9	23	9	24	5	15	1	24	12
12/14/2023	22	4	26	12	20	3	25	9	25	3	26	9	25	9	23	10	22	3	15	1	24	12
12/15/2023	21	5	25	12	20	3	24	11	23	5	24	6	22	7	21	9	23	4	13	2	23	12
12/16/2023	21	2	25	11	20	0	23	7	20	2	23	6	22	4	21	8	21	1	13	3	23	10
12/17/2023	20	2	25	10	19	2	24	7	21	1	24	6	21	2	22	8	22	2	14	5	23	9
12/18/2023	21	1	24	10	20	0	23	8	21	1	24	7	21	3	21	8	23	0	14	-2	23	9
12/19/2023	24	3	25	13	23	2	24	10	25	4	27	9	26	6	23	10	24	1	15	-1	24	11
12/20/2023	24	4	24	11	23	3	24	9	25	4	27	9	26	6	22	10	23	3	15	-1	23	11
12/21/2023	25	6	25	12	23	4	25	10	26	7	26	8	25	7	23	10	25	4	15	2	23	12
12/22/2023	26	5	25	12	25	4	25	8	24	5	25	8	26	6	24	10	26	4	14	1	23	12
12/23/2023	27	6	25	13	25	5	26	9	26	6	25	13	26	6	25	11	26	4	16	2	24	13
12/24/2023	27	8	25	13	26	5	26	9	26	6	25	14	26	7	24	10	27	6	16	2	23	11
12/25/2023	25	6	26	12	25	3	25	11	26	6	27	10	26	8	23	11	28	5	18	0	23	13
12/26/2023	25	5	25	12	24	3	26	8	26	5	25	11	26	7	24	9	25	5	16	1	24	11
12/27/2023	24	6	26	12	23	4	26	11	25	6	27	9	24	6	24	9	25	5	16	2	24	11
12/28/2023	24	5	25	12	23	3	26	10	25	6	26	10	24	5	24	9	25	4	16	0	24	10
12/29/2023	25	7	26	13	24	5	26	11	26	8	25	12	25	7	24	10	25	5	17	3	26	12
12/30/2023	25	6	26	12	23	5	26	9	25	6	27	10	25	7	24	10	25	6	16	1	25	11
12/31/2023	25	7	26	12	25	5	25	11	26	7	26	13	27	8	24	11	25	6	18	3	25	12
Monthly average	22.6	4.1	30.8	11.6	21.5	2.6	24.0	8.2	23.0	4.4	24.8	8.9	23.8	6.2	22.1	9.3	23.1	3.4	14.4	1.0	23.1	11.4



Sum up of celsius temperature for the month of Desember 2023

Governorate	Sa'dah		Al Bayda		AlJabin (Ravmah)		Seiyun		Ataq		Marib		Al Jawf		Al-Buqa		Baihan		Aden		Mukalla	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
12/1/2023	23	7	25	5	24	10	32	16	29	15	30	14	28	12	29	13	28	15	30	23	28	21
12/2/2023	23	8	25	5	22	10	30	14	27	15	28	13	26	13	28	11	28	15	30	24	28	21
12/3/2023	23	6	22	4	23	9	29	12	27	11	28	13	26	13	29	11	28	13	30	24	29	21
12/4/2023	24	6	23	4	20	12	29	15	27	11	27	11	25	11	25	10	27	10	31	23	31	22
12/5/2023	24	7	24	4	19	11	29	15	28	12	28	14	25	15	26	12	28	9	31	23	30	22
12/6/2023	23	7	23	4	20	10	29	13	27	13	28	14	25	14	25	12	28	9	31	24	30	22
12/7/2023	23	8	24	4	21	13	29	13	27	14	28	12	26	10	27	12	26	13	30	23	29	20
12/8/2023	22	6	24	5	21	13	28	11	28	13	28	12	26	10	27	12	26	13	30	24	29	20
12/9/2023	22	7	24	2	20	12	28	9	27	14	28	12	24	11	27	11	26	13	29	24	29	20
12/10/2023	23	6	24	3	19	10	28	9	27	11	26	10	25	10	26	9	26	10	30	25	30	22
12/11/2023	22	7	24	2	19	10	29	10	27	13	26	11	25	9	26	8	26	8	30	23	29	21
12/12/2023	23	8	24	3	18	9	28	10	26	12	26	11	25	10	25	11	26	10	30	23	29	21
12/13/2023	24	8	24	4	22	11	30	8	31	12	30	11	27	7	29	10	29	11	29	22	28	19
12/14/2023	22	8	24	4	22	11	29	9	28	14	29	11	26	7	29	10	29	11	29	23	28	20
12/15/2023	21	7	21	2	22	12	26	10	24	11	28	10	25	11	25	8	27	12	30	22	28	20
12/16/2023	22	6	21	2	18	9	25	8	22	7	22	8	22	8	21	7	23	8	30	24	29	20
12/17/2023	22	5	21	2	18	8	25	6	23	6	23	6	23	7	21	6	23	5	30	23	28	18
12/18/2023	22	6	21	0	19	9	25	7	22	7	23	7	23	7	21	6	23	6	30	22	28	18
12/19/2023	24	6	25	3	22	11	28	10	28	11	29	10	27	8	27	8	26	8	30	22	29	20
12/20/2023	23	8	25	4	22	11	28	10	28	11	29	10	27	9	27	8	26	9	30	20	29	20
12/21/2023	25	9	24	5	24	14	30	12	28	13	28	12	28	14	28	11	28	12	30	24	29	22
12/22/2023	25	8	24	4	20	12	30	12	29	12	26	11	26	11	26	10	27	11	30	24	30	21
12/23/2023	26	9	27	6	21	13	31	14	31	14	31	15	30	14	30	13	30	15	30	25	30	22
12/24/2023	25	8	27	6	21	13	30	14	32	14	31	15	30	14	30	12	31	15	30	24	31	22
12/25/2023	24	9	26	4	23	12	31	12	32	13	33	12	29	9	29	10	31	10	30	26	29	23
12/26/2023	25	8	25	5	21	13	28	12	29	13	31	13	30	14	30	12	31	15	30	24	31	22
12/27/2023	24	8	25	5	22	14	29	12	29	13	29	13	29	14	29	10	29	15	31	24	29	22
12/28/2023	24	8	23	3	20	12	30	12	30	13	28	12	28	11	27	10	28	11	30	23	29	21
12/29/2023	24	10	23	6	19	12	31	13	30	13	30	15	29	13	28	12	28	14	30	25	28	21
12/30/2023	24	9	24	5	21	12	31	13	31	14	30	13	29	11	28	11	29	12	30	24	29	22
12/31/2023	24	10	26	6	24	16	31	13	32	15	31	13	29	13	32	12	30	13	29	24	28	22
Monthly average	22.6	7.2	23.1	3.7	20.1	10.9	27.9	11.0	26.9	11.8	27.1	11.3	25.6	10.5	26.0	9.9	26.5	10.9	29.1	22.7	28.2	20.2



Sum up of celsius temperature for the month of Desember 2023

Governorate Date	Al Hodeidah		Socotra		Al Ghaydah		Abyan		Mocha		Al Hawtah (Lahij)		Abs		Al Habilayn	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
12/1/2023	32	25	31	23	33	22	29	22	30	22	29	19	32	20	28	14
12/2/2023	31	25	30	23	33	20	30	22	30	22	29	19	33	20	28	14
12/3/2023	31	25	30	23	32	20	30	22	29	22	29	19	32	21	27	14
12/4/2023	31	24	31	23	32	19	30	23	30	25	31	21	33	22	27	14
12/5/2023	31	24	31	23	32	21	31	24	30	24	30	23	33	23	28	17
12/6/2023	31	24	31	23	32	21	30	24	30	23	30	22	32	23	28	15
12/7/2023	31	24	30	22	32	20	30	21	29	22	31	19	31	21	27	15
12/8/2023	30	24	29	22	31	19	30	21	29	22	31	19	31	21	27	15
12/9/2023	30	23	29	22	30	19	30	21	29	23	31	19	31	21	27	15
12/10/2023	30	23	29	21	30	20	30	23	29	23	31	21	31	21	27	15
12/11/2023	30	24	20	23	31	18	30	22	29	23	30	20	31	22	28	14
12/12/2023	30	24	30	21	31	19	30	22	29	24	31	20	33	21	27	15
12/13/2023	30	23	30	22	30	19	28	21	29	22	29	19	30	20	27	15
12/14/2023	30	24	30	22	30	18	28	21	29	22	29	19	30	20	27	15
12/15/2023	30	24	30	22	31	19	28	21	29	21	29	19	30	20	26	14
12/16/2023	31	24	30	21	30	17	28	22	29	23	30	21	33	21	26	14
12/17/2023	30	24	29	20	30	17	29	22	29	23	30	20	33	22	26	10
12/18/2023	30	24	30	21	30	18	30	22	30	23	30	20	33	23	26	11
12/19/2023	31	23	29	21	32	19	30	21	30	22	31	21	32	22	28	12
12/20/2023	30	23	29	21	31	20	30	21	30	22	31	21	32	22	28	12
12/21/2023	30	24	29	22	31	21	29	22	30	25	29	23	32	26	26	11
12/22/2023	30	24	29	20	31	19	29	23	30	23	31	22	33	21	26	12
12/23/2023	30	24	29	21	30	21	30	25	30	24	31	23	34	22	29	17
12/24/2023	30	24	30	20	29	24	31	25	30	25	31	24	32	22	29	17
12/25/2023	30	24	30	21	29	20	30	25	29	23	31	23	32	22	29	17
12/26/2023	30	24	30	20	29	20	31	25	30	25	31	24	32	22	29	17
12/27/2023	31	25	30	21	30	21	29	22	30	24	29	21	33	26	28	16
12/28/2023	30	24	30	20	31	19	29	22	30	23	30	21	30	23	27	16
12/29/2023	30	25	30	20	31	20	30	24	30	24	30	22	33	23	27	17
12/30/2023	30	24	30	20	31	20	30	22	30	23	30	22	30	24	28	16
12/31/2023	31	24	30	20	30	21	29	23	30	22	32	21	33	22	27	16
Monthly average	29.4	23.2	28.5	20.8	29.8	19.0	28.7	21.7	28.6	22.3	29.2	20.2	30.9	21.2	26.5	14.1

Data source : Meteorological service



Sum up of the state of the waves for the month of Desember 2023

Date	Southern coasts and the Gulf of Aden			Eastern coasts			Western Coast and Bab el-Mandeb			Socotra Governorate		
	state of the waves	Height in meters		state of the waves	Height in meter		state of the waves	Height in meter		state of the waves	Height in meter	
		From	To		From	To		From	To		From	To
12/1/2023	Moderate	1	2.25	Moderate, sometimes disturbed	1	2.5	Moderate, sometimes disturbed	1.5	2.5	Moderate to disturbed	1.5	3
12/2/2023	Moderate wave	1	2	Light to moderate waves	0.5	1.5	Moderate, sometimes disturbed	1.5	3	Moderate wave	1.5	2.5
12/3/2023	Moderate	1	2.5	Moderate	1	2	Moderate to disturbed	1.5	3	Moderate, sometimes disturbed	1.5	3
12/4/2023	Moderate	1	2	Light to moderate waves	0.5	1.5	Moderate, sometimes disturbed	1.5	3	Moderate	1	2
12/5/2023	Light to moderate waves	0.5	2	Light to moderate waves	0.5	2	Moderate to turbulent waves	1.5	3	Light to moderate waves	0.5	2
12/6/2023	Light to moderate waves	0.5	2	Light to moderate waves	0.5	2	Moderate to turbulent waves	1.5	3	Moderate to turbulent waves	1.5	3
12/7/2023	Moderate, sometimes disturbed	1.5	2.5	Moderate	1	2	Moderate to disturbed	1.5	3	Moderate to disturbed	1.5	3
12/8/2023	Moderate, sometimes disturbed	1.5	2.5	Moderate	1	2	Moderate to disturbed	1.5	3	Moderate to disturbed	1.5	3
12/9/2023	Moderate	1	2	Light to moderate waves	0.5	2	Moderate to disturbed	1.5	3	Moderate	1	2.5
12/10/2023	Moderate	1	2	Light to moderate waves	1	2	Moderate to disturbed	2	3	Moderate, sometimes disturbed	1.5	2.5
12/11/2023	Light to moderate waves	0.5	2	Light to moderate waves	0.5	2	Moderate to turbulent waves	1.5	3	Light to moderate waves	0.5	2
12/12/2023	Moderate	1	2	Moderate to disturbed	1	2	Moderate to disturbed	1.5	3	Moderate, sometimes disturbed	1.5	2.5
12/13/2023	Moderate	1	2	Moderate	0.5	2	Moderate, sometimes disturbed	1	2.5	Moderate to disturbed	1	2.5
12/14/2023	Moderate	1	2	Moderate	0.5	2	Moderate, sometimes disturbed	1	2.5	Moderate to disturbed	1	2.5
12/15/2023	Moderate	1	2	Moderate	1	2	Moderate, sometimes disturbed	1.5	3	Moderate, sometimes disturbed	1.5	3
12/16/2023	Moderate	1	2	Light to moderate waves	0.5	1.5	Moderate, sometimes disturbed	1.5	3	Moderate to disturbed	2	3.5
12/17/2023	Light to moderate waves	0.5	2	Light to moderate waves	0.5	2	Moderate to turbulent waves	1	3	Light to moderate waves	0.5	2
12/18/2023	Light to moderate waves	0.5	2	Light to moderate waves	0.5	2	Moderate to turbulent waves	1	3	Light to moderate waves	0.5	2
12/19/2023	Moderate	1	2	Moderate to disturbed	1	2.5	Moderate to disturbed	1	2.5	Moderate to disturbed	1	3
12/20/2023	Moderate	1	2	Moderate to disturbed	1	2.5	Moderate to disturbed	1	2.5	Moderate to disturbed	2	2.5
12/21/2023	Moderate, sometimes disturbed	1	2.5	Light to moderate waves	1	1.5	Moderate, sometimes disturbed	1.5	3	Moderate	1	2.5
12/22/2023	Moderate, sometimes disturbed	1	2.5	Light to moderate waves	1	1.5	Moderate to disturbed	2	3.5	Moderate	1	2
12/23/2023	Light to moderate waves	0.5	2	Light to moderate waves	0.5	2	Moderate to turbulent waves	1	3	Light to moderate waves	0.5	2
12/24/2023	Light to moderate waves	0.5	2	Light to moderate waves	0.5	2	Moderate to turbulent waves	1	3	Light to moderate waves	0.5	2
12/25/2023	Moderate	1	2	Light to moderate waves	1	2	Moderate	1	2.25	Moderate, sometimes disturbed	1	2.5
12/26/2023	Light to moderate waves	0.5	2	Light to moderate waves	0.5	2	Moderate to turbulent waves	1	3	Light to moderate waves	0.5	2
12/27/2023	Moderate	1	2	Light to moderate waves	0.5	1.5	Moderate to disturbed	1.5	3	Moderate, sometimes disturbed	1	2.5
12/28/2023	Moderate	1	2	Light to moderate waves	0.5	1.5	Moderate to disturbed	1.5	3	Moderate, sometimes disturbed	1	2.5
12/29/2023	Light to moderate waves	0.5	2	Light to moderate waves	0.5	2	Moderate to turbulent waves	1	3	Light to moderate waves	0.5	2
12/30/2023	Light to moderate waves	0.5	1.5	Light to moderate waves	0.5	1.5	Moderate to turbulent waves	1.5	3.5	moderate waves, sometimes dis	1.0	3.0
12/31/2023	Light to moderate waves	0.5	2.0	Moderate	1.0	2.0	Light to moderate waves	0.5	2.0	Moderate	1.0	2.3
Monthly average		0.8	2.0	Monthly average	0.7	1.9	Monthly average	1.3	2.8	Monthly average	1.0	2.4



Sum up of Tide for the month of Desember 2023

Date	Al Hodeidah								Mocha								Mukalla								Aden							
	First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide					
	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time				
12/1/2023	-	-	0.2	16:09	1.8	23:58	1.5	4:21	0.7	15:55	1.2	22:03	0.7	4:24	-	-	-	-	0.3	16:02	1.6	0:00	1.5	4:20	0.2	16:09	1.3	0:42	1.3	4:40	1.3	8:00
12/2/2023	-	-	0.4	16:46	1.7	0:50	1.5	5:41	-	-	0.2	10:43	0.6	16:46	0.2	22:51	-	-	12:00	0.7	14:24	0.0	9:36	5:50	-	-	0.4	16:43	1.3	1:27	-	-
12/3/2023	-	-	0.50	0.73	1.80	0.07	1.40	7L37	-	-	0.30	0.48	0.60	0.74	0.30	0.99	-	-	0.60	0.71	1.60	0.07	-	-	-	-	0.50	0.72	1.40	0.08	-	-
12/4/2023	-	-	0.7	18:11	1.8	2:20	1.3	9:20	-	-	0.3	12:29	0.6	18:09	0.3	0:37	-	-	0.7	17:43	1.7	2:08	-	-	-	-	0.6	17:43	1.4	2:26	-	-
12/5/2023	1.3	0.481	0.9	19:03	1.8	2:50	-	-	-	-	0.3	13:21	0.6	19:37	0.3	1:34	-	-	0.9	18:19	1.7	2:34	-	-	-	-	0.7	18:12	1.4	2:45	-	-
12/6/2023	-	-	1.1	10:08	1.2	14:30	1	20:03	-	-	0.3	14:11	0.6	20:32	0.3	2:28	-	-	1	10:34	1.1	14:45	1	19:07	-	-	0.8	11:15	0.9	15:05	0.8	18:42
12/7/2023	-	-	0.9	10:41	1.3	16:51	1.1	21:05	-	-	0.3	14:55	0.6	21:19	0.3	3:18	-	-	0.8	10:47	1.2	17:01	1.2	20:14	-	-	0.7	11:06	1.0	18:01	1.0	19:25
12/8/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/9/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/10/2023	-	-	0.2	12:13	1.7	19:14	1.4	23:27	0.7	10:39	0.2	16:55	0.7	23:20	0.2	5:27	-	-	7:12	12:04	1.6	19:27	9:36	23:23	-	-	0.2	12:12	1.3	20:16	1.2	23:08
12/11/2023	-	-	0.1	12:47	1.8	19:51	1.4	0:19	0.7	11:22	0.1	17:36	0.8	0:01	0.2	6:10	-	-	0.1	12:38	1.7	20:05	1.4	0:11	-	-	0.1	12:46	1.4	20:52	1.3	0:03
12/12/2023	-	-	-0.1	13:22	1.9	20:30	1.4	1:01	0.7	12:06	2:24	18:19	19:12	0:43	0.2	6:55	-	-	0	13:15	1.7	20:45	1.4	0:56	-	-	0	13:23	1.4	21:30	1.3	0:52
12/13/2023	-	-	-0.1	13:59	1.9	21:11	1.5	1:44	0.7	12:53	0.1	19:04	0.8	1:28	0.1	7:41	-	-	-0.1	13:55	1.8	21:26	1.4	1:42	-	-	-0.1	14:03	1.4	22:11	1.3	1:41
12/14/2023	-	-	-0.1	14:39	2	21:54	1.5	2:32	0.8	13:41	0.1	19:52	0.8	2:16	0.1	8:31	-	-	-0.1	14:37	1.8	22:10	1.4	2:32	-	-	-0.1	14:54	1.4	22:52	1.3	2:35
12/15/2023	-	-	-0.1	15:21	2.0	20:40	1.5	3:28	0.8	14:32	0.1	20:42	0.8	3:05	0.1	9:23	-	-	0.0	15:20	1.8	20:54	1.4	3:30	-	-	0.0	15:27	1.5	23:33	1.3	3:41
12/16/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/17/2023	-	-	0.2	16:51	2.0	0:16	1.3	3:06	-	-	0.1	10:18	0.8	16:25	0.1	22:32	-	-	0.3	16:46	1.8	0:20	1.3	6:09	-	-	0.2	16:50	1.5	0:45	1.1	6:41
12/18/2023	1.7	0.4	0.5	17:40	2	1:05	1.2	7:38	-	-	0.1	11:16	0.7	17:28	0.2	23:34	1.5	10:26	0.5	17:30	1.90	1:00	1.10	7:41	1.2	10:06	0.40	17:30	1.50	1:16	0.90	8:15
12/19/2023	-	-	1.5	12:20	0.7	18:34	2.1	1:53	-	-	0.1	12:17	0.7	18:34	0.2	0:39	-	-	1.3	12:02	0.8	18:15	1.9	1:39	1	23:52	0.6	18:34	1.6	1:46	0.7	9:24



Sum up of Tide for the month of Desember 2023

Date	Al Hodeidah								Mocha								Mukalla								Aden							
	First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide	
	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time
12/20/2023	1.4	14:28	1	19:35	2.1	2:41	-	-	-	-	0.1	13:19	0.7	19:42	0.2	1:48	1.2	14:20	1	19:05	1.9	2:17	0.6	9:59	1.0	14:33	0.8	18:42	1.6	2:16	-	-
12/21/2023	-	-	0.6	10:06	1.5	16:06	1.2	20:44	-	-	0.1	14:21	0.8	20:48	0.2	2:55	1.3	16:14	1.2	20:08	1.9	2:55	-	-	-	-	0.5	10:16	1.0	17:34	1.0	19:15
12/22/2023	-	-	0.4	10:58	1.6	17:57	1.3	21:55	-	-	0.1	15:20	0.8	21:49	0.2	3:59	-	-	0.4	10:48	1.44	18:17	1.4	21:27	-	-	0.3	11:00	1.2	19:47	1.2	20:12
12/23/2023	-	-	0.2	11:43	1.7	18:57	1.4	22:58	-	-	0.1	16:17	0.8	22:45	0.2	4:56	-	-	0.3	11:32	14:24	19:15	9:36	22:43	-	-	0.2	11:40	1.3	20:17	1.3	22:02
12/24/2023	-	-	0.1	12:23	1.8	19:45	1.5	23:53	0.7	10:55	0.1	17:09	19:12	23:36	4:48	5:49	-	-	0.2	12:12	1.7	19:57	1.5	23:47	-	-	0.1	12:19	1.4	20:47	1.3	23:28
12/25/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12/26/2023	-	-	0:00	13:36	21:36	21:03	1.5	1:23	0.7	12:34	0.1	18:44	0.8	1:7	0.2	7:21	-	-	0.1	13:28	1.7	21:07	1.4	1:23	-	-	0	13:35	1.4	21:47	1.3	1:23
12/27/2023	-	-	0:00	0.6	21:36	0.9	12:00	0.1	-	-	16:48	0.6	2:24	0.8	19:12	0.1	-	-	2:24	0.6	16:48	0.9	9:36	0.1	-	-	2:24	0.6	9:36	0.8	1.3	2:08
12/28/2023	-	-	2:24	0.6	1.9	22:10	1.5	2:45	0.7	14:03	0.1	20:10	0.8	2:31	0.2	8:46	-	-	0.2	14:39	1.7	22:12	1.4	2:45	-	-	0.1	14:45	1.4	22:47	1.2	2:54
12/29/2023	-	-	4:48	0.6	1.9	22:40	1.5	3:28	0.7	14:46	0.2	20:51	0.8	3:11	0.2	9:28	-	-	0.2	15:11	1.7	22:42	1.4	3:29	-	-	0.2	15:17	1.4	23:16	1.2	3:44
12/30/2023	-	-	0.3	15:44	1.9	23:08	1.4	4:15	0.7	15:29	0.2	21:32	16:48	3:50	-	-	-	-	0.3	15:40	1.7	23:10	1.3	4:18	-	-	0.3	15:45	1.4	23:42	1.2	4:42
12/31/2023	-	-	0.4	16:13	1.9	23:33	1.4	5:12	-	-	0.2	10:10	16:48	16:13	4:48	22:13	-	-	0.5	16:06	1.7	23:36	1.3	5:16	-	-	0.4	16:10	1.4	0:04	-	-
Monthly average	0.1	-	0.3	-	1.5	-	1.1	-	0.3	-	0.2	-	0.6	-	0.2	-	0.1	-	0.4	-	1.4	-	1.0	-	0.1	-	0.3	-	1.2	-	0.8	-

data source : Meteorological servi



Sum up of Tide for the month of Desember 2023

Date	Socotra								Qashen								Midi								Zingibar							
	First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide					
	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time				
12/1/2023	0.8	13:16	0.1	21:02	0.7	4:51	0.6	9:14	-	-	0.3	16:09	1.5	23:48	1.3	4:21	-	-	0.8	10:47	1.4	17:15	0.8	23:23	-	-	0.2	16:09	1.8	23:58	1.5	4:21
12/2/2023	0.7	13:42	0.2	21:39	0.7	5:43	-	-	-	-	0.4	16:46	1.5	0:40	1.3	5:41	-	-	0.9	11:31	1.4	18:02	0.9	0:09	-	-	0.4	12:46	1.7	0:50	1.5	5:41
12/3/2023	-	-	0.6	10:34	0.7	14:11	0.2	22:19	-	-	0.6	17:26	1.5	1:30	1.2	7:37	-	-	1.0	12:18	1.3	18:51	0.9	0:59	-	-	0.5	17:26	1.8	1:40	1.4	7:37
12/4/2023	-	-	0.6	12:30	0.6	14:49	0.3	23:04	-	-	0.7	18:11	1.5	2:10	1.1	9:20	-	-	1.0	13:12	1.2	19:44	1.0	1:53	-	-	0.7	18:11	1.8	2:20	1.3	9:20
12/5/2023	-	-	0.5	14:13	0.5	16:16	0.4	23:56	1.1	11:13	0.8	19:03	1.5	2:40	-	-	-	-	1.1	14:11	1.2	20:39	1.0	2:48	1.3	11:23	0.9	19:03	1.8	2:20	-	-
12/6/2023	0.4	15:01	0.5	19:23	0.4	0:56	0.8	8:08	-	-	1	10:08	1.1	14:20	0.9	20:03	-	-	1.1	15:12	1.2	21:31	0.9	3:42	-	-	1.1	10:08	1.2	14:30	1	20:03
12/7/2023	-	-	0.4	15:34	0.5	21:44	0.5	1:58	-	-	0.8	10:41	1.1	16:44	1.0	21:05	1.2	10:16	1.0	16:10	1.2	20:20	0.9	4:30	-	-	0.9	10:41	1.3	16:51	1.1	21:05
12/8/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/9/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/10/2023	-	-	0.1	17:06	0.7	0:07	0.5	4:30	-	-	0.3	12:13	1.4	19:04	1.2	23:37	1.4	12:15	0.8	18:30	1.3	0:22	0.7	6:40	-	-	0.2	12:13	1.7	19:14	1.3	23:37
12/11/2023	0.9	10:10	0.1	17:40	0.7	0:44	0.6	17:12	-	-	0.2	12:47	1.5	19:14	1.2	0:19	1.5	12:51	0.8	19:12	1.4	1:01	0.7	7:22	-	-	0.1	12:47	1.8	19:51	1.4	0:19
12/12/2023	0.9	10:46	0.0	18:15	0.8	1:23	0.6	5:54	-	-	0.1	13:22	1.6	20:20	1.2	1:01	1.5	13:29	0.7	19:54	1.4	1:41	0.7	8:03	-	-	0.1	13:22	1.9	20:30	1.4	1:01
12/13/2023	0.9	11:25	0	18:52	0.8	2:04	0.6	6:37	-	-	0.1	13:59	1.6	21:01	1.2	1:44	1.6	14:08	0.7	20:37	1.5	2:24	0.6	8:47	-	-	-0.1	13:59	1.9	21:11	1.4	1:44
12/14/2023	0.9	12:06	0	19:32	0.8	2:47	0.6	7:25	-	-	0.1	14:39	1.6	21:44	1.3	2:32	1.6	14:51	0.7	21:22	1.5	3:11	0.6	9:32	-	-	-0.1	17:39	2.0	21:54	1.5	2:32
12/15/2023	0.9	12:49	0.0	20:14	0.8	3:33	0.6	8:21	-	-	0.1	15:21	1.6	20:30	1.3	3:28	1.6	15:27	0.7	20:09	1.5	4:01	-	-	-	-	-0.1	15:21	2.0	20:40	1.5	3:28
12/16/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/17/2023	0.8	14:31	0.1	21:44	0.8	5:09	-	-	-	-	0.3	16:51	1.7	0:06	1.2	0:03	-	-	0.7	11:41	1.6	17:22	0.7	23:54	-	-	0.2	16:56	2.0	0:16	1.3	6:03
12/18/2023	-	-	0.5	10:56	0.7	15:39	0.2	22:33	1.4	10:36	0.5	17:40	1.7	0:55	1.0	7:38	-	-	0.8	12:13	1.6	18:21	0.7	0:54	1.7	10:46	0.5	17:40	2.0	1:05	1.2	7:38
12/19/2023	-	-	0.5	12:31	0.6	17:13	0.3	23:27	-	-	1.3	12:10	0.7	18:34	1.7	1:43	-	-	0.8	13:19	1.5	19:25	0.7	1:58	-	-	1.5	12:20	0.7	18:34	2.1	1:53



Sum up of Tide for the month of Desember 2023

Date	Socotra						Qashen						Midi						Zingibar													
	First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide		First Tide		Second Tide					
	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time				
12/20/2023	-	-	0.4	13:55	0.6	19:21	-	-	1.2	14:18	0.9	19:35	1.7	2:31	-	-	-	-	0.8	14:31	1.5	20:32	0.7	3:05	1.4	14:28	1	19:35	2.1	2:41	-	-
12/21/2023	-	-	0.3	14:59	0.6	21:24	0.5	1:37	-	-	0.6	10:06	1.2	16:21	1.0	20:44	-	-	0.8	15:43	1.5	21:40	0.7	4:14	-	-	0.6	10:06	1.5	16:31	1.2	20:44
12/22/2023	-	-	0.2	15:51	0.6	22:50	0.5	2:48	-	-	0.5	10:58	1.4	17:47	1.2	21:55	1.5	10:25	0.8	16:51	1.5	22:46	0.7	5:13	-	-	0.4	10:58	1.6	17:57	1.3	21:55
12/23/2023	-	-	0.1	16:36	0.7	23:50	0.6	3:51	-	-	0.3	11:43	1.5	18:47	1.2	22:58	14:24	11:26	0.8	17:52	1.5	23:47	0.7	6:09	-	-	0.2	11:43	1.7	18:57	1.4	22:58
12/24/2023	-	-	0.1	17:16	0.7	0:38	6.0	4:46	-	-	0.2	12:23	1.5	19:35	1.3	23:53	1.6	12:23	0.7	18:47	1.5	0:42	0.7	7:00	-	-	0.1	12:23	1.8	19:45	1.5	23:53
12/25/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/26/2023	0.9	11:01	0:00	18:29	0.8	1:56	0.6	6:16	-	-	0.2	13:36	1.6	20:53	1.3	1:23	1.7	14:03	0.7	20:22	1.5	2:23	0.7	8:29	-	-	0.0	13:36	1.9	21:03	1.5	1:23
12/27/2023	0.9	23:30	0:00	19:03	0.8	14:31	0.6	6:57	-	-	0.2	14:10	1.6	21:28	1.3	2:04	-	-	1.6	14:48	0.7	21:03	1.5	3:08	-	-	0.0	14:10	1.9	21:38	1.5	2:04
12/28/2023	0.8	12:08	2:24	19:35	0.8	3:03	0.6	8:21	-	-	0.2	14:42	1.6	22:00	1.3	2:45	1.6	15:31	0.8	21:42	1.4	3:51	0.8	9:47	-	-	0.1	14:42	1.9	22:10	1.5	2:45
12/29/2023	0.8	12:39	2:24	20:07	0.8	3:33	0.6	8:21	-	-	0.3	15:14	1.6	22:30	1.3	3:28	1.6	16:11	0.8	22:19	1.4	4:33	-	-	-	-	0.2	15:14	1.9	22:40	1.5	3:28
12/30/2023	0.8	13:10	0.1	20:37	0.8	4:01	0.6	9:08	-	-	0.4	15:44	1.6	22:58	1.2	4:15	-	-	0.8	10:24	1.5	16:49	0.9	22:55	-	-	0.3	15:44	1.9	23:08	1.4	4:15
12/31/2023	0.7	13:44	0.2	21:06	0.8	4:22	-	-	-	-	0.5	16:13	1.6	23:23	1.2	5:11	-	-	0.9	11:01	1.4	17:26	0.9	23:32	-	-	0.4	16:13	1.9	23:33	1.4	5:11
Monthly average	0.4	-	0.2	-	0.6	-	0.6	-	0.1	-	0.4	-	1.3	-	1.0	-	0.6	-	0.7	-	1.2	-	0.6	-	0.1	-	0.3	-	1.5	-	1.1	-

data source : Meteorological servi