



Rainfall Performance

The performance of rainfall during March 2023, saw a general decrease throughout the country with very few exceptions. Very low rain was observed over the western and southern part of the country. (see Figure 1). High amount of rainfall was only observed over the eastern part of the country.

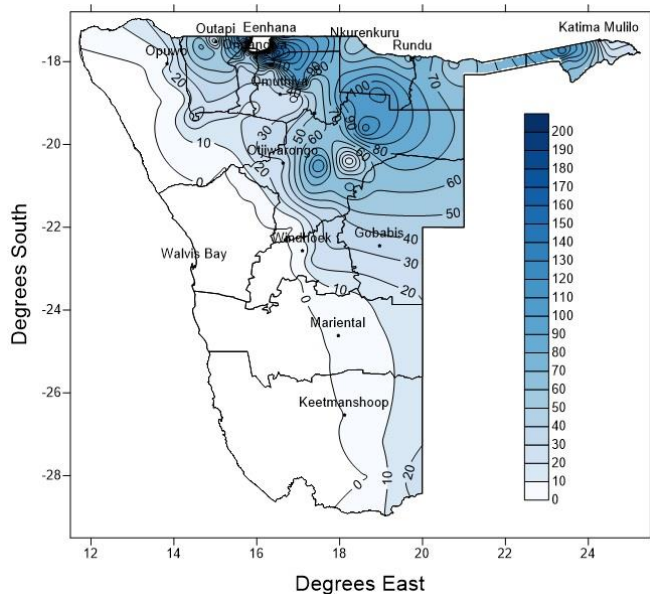


Figure 1. February 2023 rainfall in mm

The bulk of west and south of the country experienced below normal rainfall with respect to the departure from its normal for the month of March 2023, however normal rainfall was experienced over Ohangwena, Kavango West and East, Zambezi, east of Otjozondjupa and Omaheke regions . (see Figure 2)

Furthermore, table 1 below illustrates the performance of the rainfall as it was recorded in terms of specific stations from which data was received.

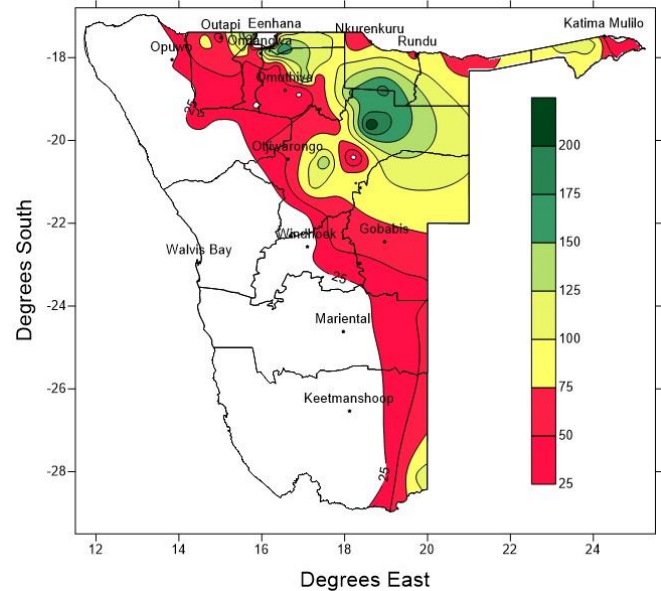


Figure 2. March 2023 percent of normal

After the long dry spell experienced during February 2023, the seasonal rainfall performance was below normal over southern Omusati, Oshana, and Kunene, much of Hardap and Karas regions. The remainder of the country observed normal rainfall. (see Figure 3).

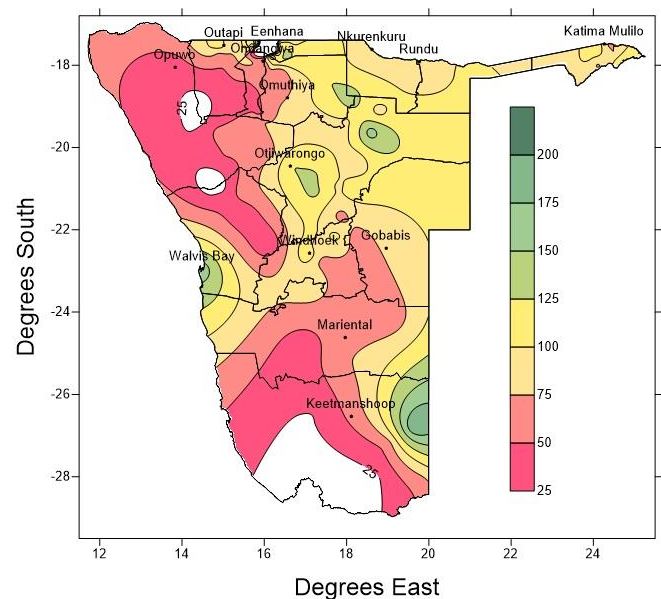


Figure 3. 1 October 2022 to 31 March 2023 percent of normal

Table 1.

Station	01-10 March 2023	11-20 March 2023	21-31 March 2023	Highest Daily Falls (mm)	Month Total (mm)	Normal (mm)	Month Departure (%)	October 2022 Total and Relative Performance		
								2022 Total (mm)	Normal (mm)	Departure from Normal (%)
Anderson Gate	0	1.5	21	16	22.5	76	-70	272.8	367.0	-26
Aranos	0	10.4	2.4	10.4	12.8	27	-53	99.4	172.0	-42
Ariamsvlei	0	0	25.5	15.5	25.5	23	11	57.6	88.0	-35
Aroab	0	5.5	9.2	6.9	14.7	26	-43	262.8	130.0	102
Awagobibtal	14	4	44	25	62	87	-29	440.0	494.0	-11
Bergvlug	0	1	10.5	5	11.5	63	-82	273.2	310.0	-12
Bethanie	0	0	0	0	0	21	-100	20.8	85.0	-76
Binsenheim	0	0	25.5	16.5	25.5	59	-57	206.5	305.0	-32
Bukalo ADC	0	0	19	19	19	70	-73	433.7	574.0	-24
Caprivi river Lodge	1	0	21.5	10	22.5	80	-72	432.9	600.0	-28
Chichimane	0	2	55.1	30	57.1	71	-20	383.0	543.0	-29
Choantsas	7	4.5	88	48	99.5	65	53	601.5	433.0	39
Coridor13	3.7	0	17.1	12.5	20.8	45	-54	250.0	258.0	-3
Donkerwater	0	8	98	98	106	70	51	414.8	342.0	21
Eenhana	7.5	5.5	43.8	13	56.8	106	-46	444.1	500.0	-11
Engombe	0	0	33	29	33	82	-60	170.0	359.0	-53
Epembe	0	36	129	48	165	96	72	601.1	472.0	27
Erwee	0	0	10	8	10	49	-80	43.0	165.0	-74
Etayi	0	30.9	80	60	110.9	89	25	430.4	408.0	5
Fransfontein	0	0	8.2	4.4	8.2	64	-87	126.0	254.0	-50
Galton Gate	0	0	38	38	38	75	-49	52.8	297.0	-82
Gibeon	0	0	0	0	0	33	-100	98.3	138.0	-29
Grootfontein Town	7.1	1.7	66.4	42.4	75.2	81	-7	474.1	482.0	-2
Halali	9	0	19.2	15.1	28.2	72	-61	305.8	377.0	-19
Huttenhof	14	7	30	25	51	80	-36	410.5	479.0	-14
Kaisosi	11.5	24	48.5	24	84	94	-11	488.7	529.0	-8
Kamanjab	0	2	10	10	12	64	-81	153.2	270.0	-43
Karasburg	0	0	0.2	0.2	0.2	22	-99	20.6	91.0	-77
Kasheshe	25	0	41	36	66	70	-6	638.0	563.0	13
Katima Mulilo Airport	0	0	33	29.2	33	72	-54	500.1	549.0	-9
Keetmanshoop	0	0	0	0	0	24	-100	68.3	119.0	-43
King Kauluma	0	24.8	87.9	19.9	112.7	79	43	392.6	436.0	-10
Kongola	28.2	12.1	86	36	126.3	109	16	462.3	611.0	-24
LaPaloma	0	2.2	60	60	62.2	76	-18	372.1	388.0	-4
Maltahohe	0	0	0	0	0	29	-100	37.5	120.0	-69
Mpungu	16	0	35.8	16	51.8	88	-41	400.7	536.0	-25
Mururani	25	40	54.5	40	119.5	64	87	492.3	441.0	12
Namutoni	0	0	15	9	15	76	-80	375.1	407.0	-8
Naos_Karas	0.5	0	9	4.5	9.5	36	-74	89.5	148.0	-40

Station	01-10 March 2023	11-20 March 2023	21-31 March 2023	Highest Daily Falls (mm)	Month Total (mm)	Normal (mm)	Month Departure (%)	October 2022 Total and Relative Performance		
								2022 Total (mm)	Normal (mm)	Departure from Normal (%)
Ndiyona	0	0	45.5	33	45.5	81	-44	526.5	487.0	8
Ndonga-Linena	0	0	59.5	20	59.5	85	-30	387.0	497.0	-22
Ngoma	0	1.8	30	17	31.8	71	-55	757.4	563.0	35
Okahandja	0	0	0	0	0	59	-100	295.2	298.0	-1
Okahao	0	27.5	26.4	20	53.9	102	-47	206.8	386.0	-46
Okahua	0	0	37	29.5	37	58	-36	345.7	322.0	7
Okaku	0	0	77.8	40	77.8	87	-11	258.2	396.0	-35
Okalongo	19	35.1	34.6	35.1	88.7	85	4	308.8	404.0	-24
Okamatapati	0	0	8	8	8	76	-89	275.0	375.0	-27
Okani	0	3	50.3	19	53.3	81	-34	215.8	358.0	-40
Okapya	0	4.4	47	40	51.4	81	-37	569.8	465.0	23
Okatyali	0	0	53.5	28	53.5	88	-39	230.0	376.0	-39
Okaukamashe	8	0	70.4	45	78.4	85	-8	357.2	381.0	-6
Okaukuejo	0	0	15.8	10.3	15.8	68	-77	157.2	328.0	-52
Okomumbonde	0	0	82	35	82	78	5	473.4	394.0	20
Okondjatu	1.2	28.7	46.2	35.6	76.1	73	4	469.7	379.0	24
Olukonda	0	14.2	66.3	30.1	80.5	89	-10	220.2	385.0	-43
Omafo	0	0	129.4	65	129.4	98	32	589.4	478.0	23
Omaruru	0	0	0	0	0	51	-100	145.5	243.0	-40
Omateva	0	23	9.5	18.5	32.5	54	-40	205.4	305.0	-33
Omatjette	0	0	0	0	0	54	-100	151.9	224.0	-32
Omauni	6	33	53	31	92	92	0	624.0	534.0	17
Ompundja	0	14.9	44.8	38	59.7	86	-31	315.3	388.0	-19
Onankali	8	0	27	9.5	35	86	-59	195.1	408.0	-52
Onawa	0	11	41	20.5	52	69	-25	290.8	350.0	-17
Ondangwa DVS	19	0	51.5	19	70.5	88	-20	192.6	391.0	-51
Ondunduwazirapi	9.5	6.5	17	12	33	62	-47	238.0	362.0	-34
Onesi	40	10	24.5	40	74.5	84	-11	370.3	369.0	0
Ongha	5	0	92.5	56.5	97.5	106	-8	456.0	531.0	-14
Ngula ya Netanga	2	0	44	20	46	95	-52	316.6	436.0	-27
Ngwediva	0	0	30	16	30	85	-65	123.0	388.0	-68
Opuwo ADC	0	0	21	18	21	68	-69	101.5	278.0	-63
Opuwo	0	0	0	0	0	68	-100	87.7	278.0	-68
Oruvandjai	0	0	0	0	0	71	-100	51.5	266.0	-81
Oshigambo	40	35	28	40	103	88	17	345.1	401.0	-14
Otjikururume	0	27	36.5	27	63.5	60	6	432.0	330.0	31
Otjimbingwe	0	0	0	0	0	30	-100	38.0	138.0	-72
Otjituuo	0.6	4	122	58	126.6	57	122	608.2	371.0	64
Otjiwarongo	0	5	23	15	28	55	-49	448.2	360.0	25
Otjokavare	0	0	18	18	18	70	-74	18.0	289.0	-94
Outapi	0	0	12.7	6	12.7	59	-78	356.3	310.0	15
Outjo	0	16.5	20	14	36.5	69	-47	235.5	346.0	-32
Pioniers Park	0	5	3.1	5	8.1	61	-87	335.6	310.0	8
Rehoboth	0	0	0	0	0	37	-100	180.1	193.0	-7

Station	01-10 March 2023	11-20 March 2023	21-31 March 2023	Highest Daily Falls (mm)	Month Total (mm)	Normal (mm)	Month Departure (%)	October 2022 Total and Relative Performance		
								2022 Total (mm)	Normal (mm)	Departure from Normal (%)
Ronesterkop	0	0	0	0	0	54	-100	102.4	229.0	-55
Rundu	3	5.5	46.2	19	54.7	91	-40	398.9	519.0	-23
Sachona	34.2	1.8	39.6	33	75.6	96	-21	536.4	589.0	-9
Sesfontein	0	0	0	0	0	25	-100	38.0	89.0	-57
Sibinda	30	12	52	47	94	84	12	660.9	583.0	13
Sorris Sorris	0	0	0	0	0	28	-100	0.0	103.0	-100
Tsandi	40	2	25.2	40	67.2	93	-28	273.7	392.0	-30
Tses	0.8	0	0	0.8	0.8	28	-97	69.8	105.0	-34
Tubusis	0	0	0	0	0	45	-100	52.0	162.0	-68
Uis	0	0	0	0	0	31	-100	43.0	111.0	-61
Uukwangula	0	5	80	50	85	87	-2	215.4	391.0	-45
Walvis Bay	0	0	0	0	0	1	-100	3.3	2.0	65
Wilde	5	0	95	87	100	66	52	370.0	422.0	-12
Windhoek	0	1.1	0.2	0.8	1.3	61	-98	371.1	310.0	20
Oranjemund	0	2.7	0.1	2.6	2.8	36	-92	117.1	182.0	-36

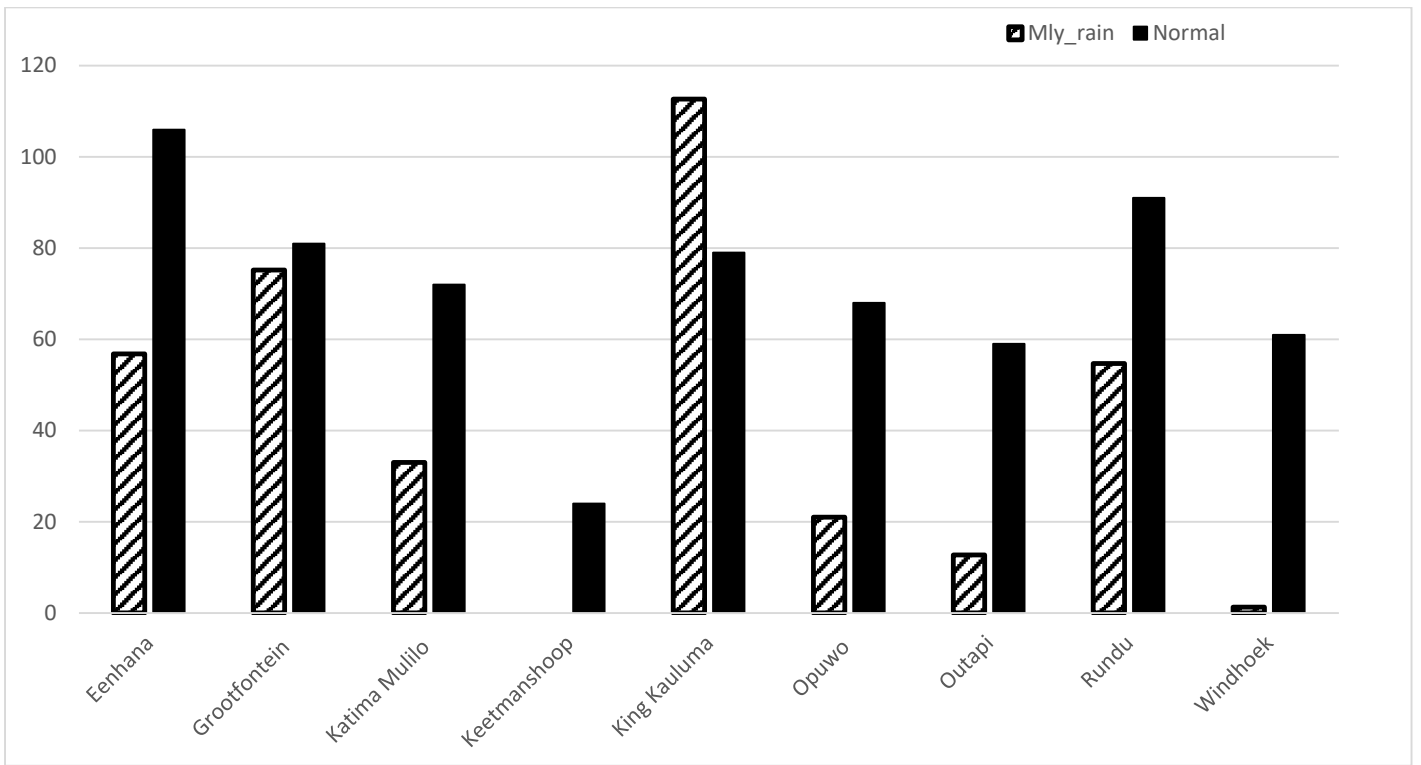


Figure 4.1: Progressive Chart March 2023

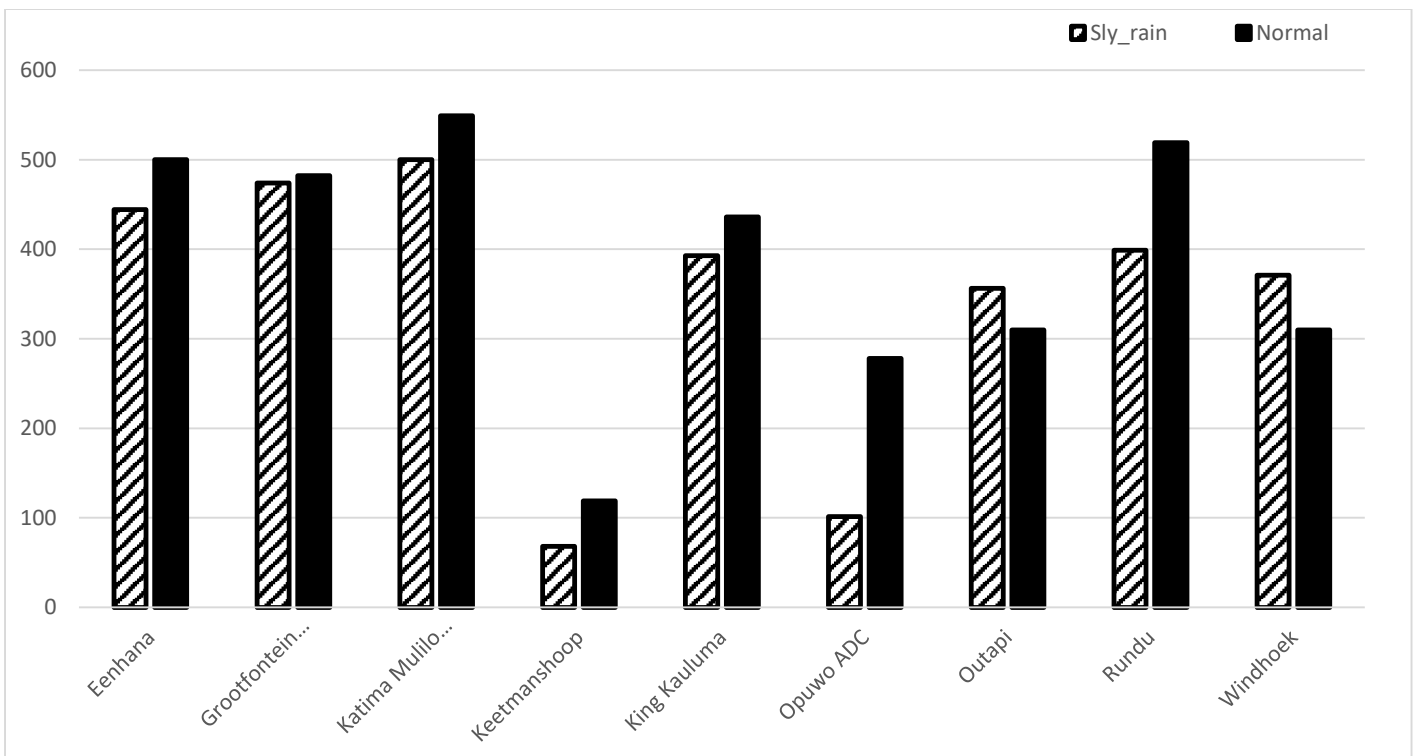


Figure 5.2: Progressive Chart October 2022 to March 2023