



.Rainfall Performance

During the month of January 2023, high amounts of rainfall was observed over Kunene, Omusati, Oshana, Ohangwena, Oshikoto Kavango West and East and Zambezi regions which exceeded the January long term average at most stations within our rainfall monitoring networks (see Figure 1). A significant amounts of daily rainfall over 80mm was observed at a few stations in the north.

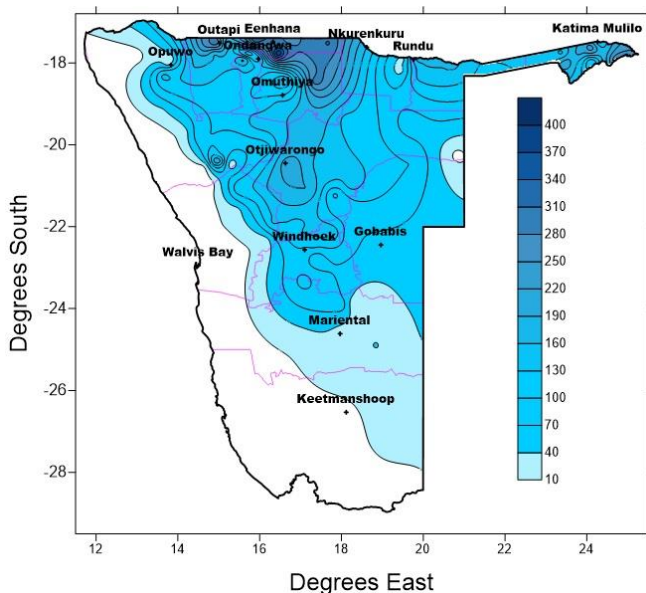


Figure 1. January 2023 rainfall in mm

The bulk of the //Karas, Hardap, Erongo, western Kunene, and eastern Omaheke regions received below average rainfall for the month. The remainder of the country experienced above normal rainfall with respect to the departure from its normal for the month of January 2023. (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.

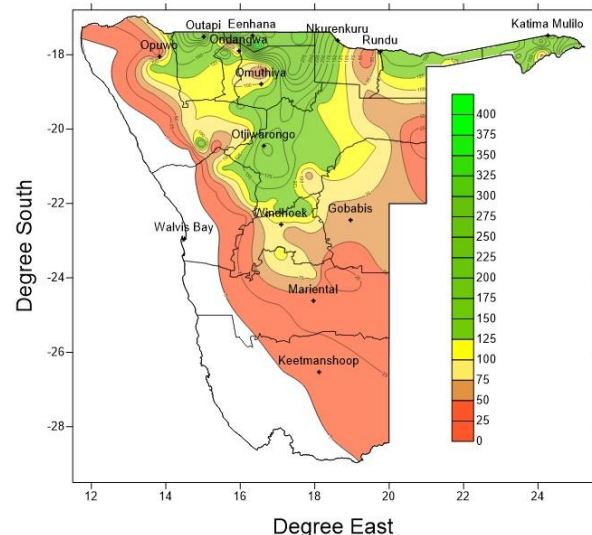


Figure 2. January 2023 percent of normal

On a seasonal scale (1 October 2022 to 31 January 2023), the performance was mostly above normal for the bulk of the country with a band of below normal rainfall was experienced in the //Karas, Erongo and part of the Hardap and Kunene regions. (see Figure 3).

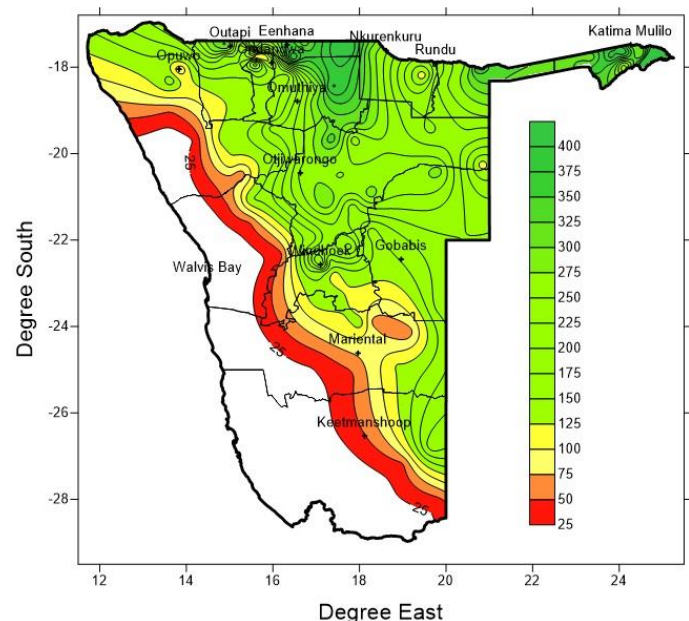


Figure 3. 1 October 2022 to 31 January 2023 percent of normal

Table 1.

Station	01-10 January 2023	11-20 January 2023	21-31 January 2023	Highest Daily Falls (mm)	Month Total (mm)	Normal (mm)	Month Departure %	October 2022 Total & Relative Performance		
								2022 Total (mm)	Normal (mm)	Departure from Normal %
Ongha	21.0	59.5	173.5	95.0	254.0	143.0	78	303.0	300.0	1
Okalongo	51.0	10.5	119.7	65.7	181.2	97.0	87	220.1	199.0	11
Ongenga	70.0	43.0	134.5	46.0	247.5	109.0	127	274.7	223.0	23
Onawa	65.0	22.4	103.9	40.0	191.3	89.0	115	225.3	171.0	32
Eenhana	56.0	56.8	175.0	93.5	287.8	132.0	118	360.3	274.0	31
Katima Mulilo Airport	46.0	28.6	69.5	35.3	144.1	149.0	-3	311.3	354.0	-12
Outapi	76.5	50.4	196.5	70.0	323.4	85.0	280	342.9	149.0	130
Omauni	0.0	113.0	200.0	90.0	313.0	149.0	110	446.0	318.0	40
Etayi	30.0	71.5	73.0	30.0	174.5	101.0	73	312.5	204.0	53
Onesi	92.5	72.0	96.4	66.0	260.9	94.0	178	295.8	187.0	58
Oshikuku	41.0	13.0	40.0	21.0	94.0	101.0	-7	100.0	200.0	-50
Kasheshe	62.0	43.0	143.0	50.0	248.0	154.0	61	432.0	375.0	15
Mpungu	21.0	115.0	75.4	30.0	211.4	145.0	46	292.4	318.0	-8
Bukalo ADC	66.9	29.5	90.6	84.5	187.0	156.0	20	292.7	367.0	-20
Ongula ya Netanga	31.0	42.0	166.0	69.0	239.0	115.0	108	255.6	228.0	12
Tsandi	57.0	47.5	67.0	36.5	171.5	103.0	67	198.5	199.0	0
Sibinda	25.3	64.5	106.0	47.0	195.8	149.0	31	405.7	379.0	7
Epembe	100.0	97.0	197.0	49.0	394.0	126.0	213	422.1	254.0	66
Oshigambo	50.0	114.5	13.5	100.0	178.0	106.0	68	207.1	207.0	0
Ongwediva	3.0	31.0	0.0	17.0	34.0	104.0	-67	85.0	197.0	-57
Uukwangula	28.7	46.5	3.0	30.0	78.2	102.0	-23	111.4	198.0	-44
Kongola	25.1	40.1	58.9	31.0	124.1	136.0	-9	312.5	392.0	-20
Etanga	0.0	0.0	0.0	0.0	0.0	35.0	-100	0.0	77.0	-100
Okaukamashe	42.0	35.0	128.0	70.0	205.0	100.0	105	273.3	194.0	41
Kaisosi	15.4	62.4	84.2	40.0	162.0	164.0	-1	207.8	313.0	-34
Ompundja	22.0	77.5	62.3	46.0	161.8	105.0	54	219.5	201.0	9
Ondangwa DVS	37.0	10.0	25.0	37.0	72.0	108.0	-33	119.1	203.0	-41
Ngoma	112.0	102.0	65.5	91.0	279.5	156.0	79	616.0	366.0	68
Sachona	42.2	53.4	124.1	41.2	219.7	136.0	62	369.3	375.0	-2
Chichimane	0.0	7.8	45.0	12.0	52.8	151.0	-65	214.3	354.0	-39
Ndonga-Linena	29.0	18.0	116.0	28.0	163.0	137.0	19	282.5	294.0	-4
Olukonda	39.0	15.3	60.6	22.0	114.9	110.0	4	129.7	201.0	-35
Ndiyona	25.0	34.0	112.0	53.0	171.0	131.0	31	364.0	289.0	26
Mukwe	47.9	22.0	57.5	45.0	127.4	138.0	-8	331.4	303.0	9
Okatyali	26.5	33.5	72.5	52.0	132.5	106.0	25	166.5	196.0	-15
Opuwo	0.0	62.2	0.0	14.5	62.2	67.0	-7	75.2	138.0	-46
Opuwo ADC	7.0	56.5	10.0	17.8	73.5	67.0	10	73.5	138.0	-47
Omakange	49.0	73.0	36.0	31.0	158.0	86.0	84	158.0	168.0	-6

Station	01-10 January 2023	11-20 January 2023	21-31 January 2023	Highest Daily Falls (mm)	Month Total (mm)	Normal (mm)	Month Departure %	October 2022 Total & Relative Performance		
								2022 Total (mm)	Normal (mm)	Departure from Normal %
Okani	37.3	32.6	52.5	22.5	122.4	96.0	28	158.0	182.0	-13
Onankali	3.0	46.5	60.0	25.0	109.5	111.0	-1	144.6	219.0	-34
Ncamagoro	0.0	30.0	0.0	30.0	30.0	147.0	-80	107.0	290.0	-63
Kaoko-Otavi	1.8	68.3	70.8	43.0	140.9	73.0	93	165.9	141.0	18
Ncaute	3.9	66.4	60.0	41.0	130.3	143.0	-9	236.8	287.0	-17
Okapya	32.0	48.9	214.9	81.5	295.8	129.0	129	404.0	272.0	49
King Kauluma	27.5	89.2	55.1	49.0	171.8	117.0	47	279.9	247.0	13
Namutoni	37.7	36.1	74.5	31.0	148.3	119.0	25	289.3	236.0	23
Halali	19.8	42.5	84.5	20.0	146.8	101.0	45	210.9	204.0	3
Sesfontein	0.0	13.0	25.0	20.0	38.0	21.0	81	38.0	41.0	-7
Okaukuejo	55.0	38.5	15.4	30.0	108.9	82.0	33	128.9	163.0	-21
Anderson Gate	32.2	96.5	33.3	40.0	162.0	96.0	69	210.1	185.0	14
Grootfontein Town	4.0	68.0	51.4	23.8	123.4	128.0	-4	302.1	288.0	5
Klein Huis	3.5	67.5	48.5	31.5	119.5	115.0	4	252.0	248.0	2
Mkata	5.0	19.0	29.0	21.0	53.0	111.0	-52	194.5	251.0	-23
Tsumkwe	0.0	41.5	20.0	15.0	61.5	121.0	-49	218.5	254.0	-14
Kamanjab	18.0	63.7	18.5	34.0	100.2	71.0	41	141.2	122.0	16
Otavi	24.6	68.3	85.6	43.0	178.5	130.0	37	347.4	270.0	29
Awagobibtal	13.0	39.0	85.0	26.0	137.0	127.0	8	209.0	293.0	-29
Erwee	10.0	8.0	5.0	10.0	23.0	36.0	-36	23.0	66.0	-65
Outjo	14.1	17.0	46.0	34.0	77.1	97.0	-21	151.6	181.0	-16
Fransfontein	19.5	77.5	0.0	30.0	97.0	58.0	67	117.8	105.0	12
Gam	6.5	0.0	0.0	6.5	6.5	97.0	-93.3	115.5	227.0	-49.1
Okatjimbe	12.5	50.0	37.0	34.0	99.5	98.0	2	285.9	225.0	27
Otjisoko- Tjongava	34.0	39.9	16.6	34.0	90.5	65.0	39	96.5	135.0	-29
Otjiwarongo	33.0	97.0	80.0	45.0	210.0	102.0	106	259.0	196.0	32
Ronesterkop	7.0	11.0	0.0	8.0	18.0	56.0	-68	60.5	105.0	-42
Donkerwater	26.9	43.6	68.6	39.5	139.1	97.0	43	245.8	197.0	25
Morewag	0.0	0.0	0.0	0.0	0.0	27.0	-100	0.0	58.0	-100
LaPaloma	32.0	49.0	46.5	32.0	127.5	103.0	24	252.4	215.0	17
Sorris Sorris	0.0	0.0	0.0	0.0	0.0	22.0	-100	0.0	47.0	-100
Okondjatu	69.8	23.6	53.1	24.0	146.5	105.0	40	283.6	219.0	29
Ombona	3.1	67.4	93.8	45.5	164.3	95.0	73	198.4	167.0	19
Omatjette	0.0	85.5	47.0	62.0	132.5	61.0	117	151.9	104.0	46
Otjikururume	64.0	19.5	104.0	60.0	187.5	93.0	102	302.5	179.0	69
Eureka	7.1	20.2	34.0	13.6	61.3	98.0	-37	189.5	206.0	-8
Uis	8.0	3.0	2.0	8.0	13.0	21.0	-38	43.0	50.0	-14
Omaruru	24.5	61.5	17.0	26.5	103.0	62.0	66	129.7	107.0	21
Tubusis	7.0	16.0	7.0	7.5	30.0	38.0	-21	49.5	64.0	-23
Ondunduwazirapi	5.5	4.5	81.5	41.5	91.5	92.0	-1	191.0	202.0	-5
Steinhausen	23.0	4.5	50.5	23.5	78.0	87.0	-10	138.0	198.0	-30
Okahandja	17.0	50.0	47.9	29.0	114.9	79.0	45	157.9	147.0	7
Osona Village	15.5	56.6	59.7	22.0	131.8	85.0	55	180.8	156.0	16
Omateva	10.5	25.0	47.5	11.0	83.0	79.0	5	159.1	173.0	-8

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								2022 Total (mm)	Normal (mm)	Departure from Normal %
Otjimbingwe	0.0	9.5	8.8	3.5	18.3	42.0	-56	33.8	64.0	-47
Huttenhof	18.5	50.5	67.0	21.0	136.0	134.0	1.5	286.5	275.0	4
Pioniers Park	9.1	26.6	84.2	30.3	119.9	91.0	32	254.9	158.0	61
Bergvlug	35.0	34.5	40.6	30.0	110.1	80.0	38	182.2	154.0	18
Windhoek	5.4	43.2	37.6	17.5	86.2	86.0	0	319.7	156.0	105
Eros Airport	16.0	30.0	51.0	15.6	97.0	85.0	14	203.8	153.0	33
Binsenheim	0.0	24.0	20.0	7.0	44.0	80.0	-45	112.0	155.0	-28
Rehoboth	12.0	34.6	68.0	39.0	114.6	58.0	98	148.6	97.0	53
Coridor13	15.0	0.0	45.6	18.1	60.6	60.0	1	196.5	146.0	35
Olifantwater	12.8	15.1	4.1	8.0	32.0	55.0	-42	81.2	111.0	-27
Oranjemund	7.0	10.4	0.2	5.7	17.6	46.0	-62	70.5	92.0	-23
Hoachanas	24.0	18.0	41.0	35.0	83.0	50.0	66	136.0	91.0	49
Aranos	2.9	3.0	14.2	10.7	20.1	44.0	-54	61.1	96.0	-36
Mariental	0.0	26.5	0.0	15.2	26.5	42.0	-37	78.8	75.0	5
Maltahohe	3.0	12.5	3.0	6.5	18.5	23.0	-20	30.0	46.0	-35
Gochas	37.7	3.5	0.5	32.5	41.7	42.0	-1	125.1	94.0	33
Gibeon	0.0	13.7	20.0	20.0	33.7	30.0	12	44.0	61.0	-28
Aroab	8.1	22.1	14.3	13.9	44.5	36.0	23.6	216.1	74.0	192
Bethanie	0.2	0.0	0.0	0.2	0.2	21.0	-99	15.9	36.0	-56
Keetmanshoop	0.0	1.4	2.8	2.2	4.2	26.0	-84	48.5	55.0	-12
Naos_Karas	11.5	0.0	3.5	11.5	15.0	33.0	-55	44.0	74.0	-41
Karasburg	0.0	5.7	0.0	3.3	5.7	17.0	-66	20.4	45.0	-55
Ariamsvlei	0.0	6.5	0.0	6.5	6.5	15.0	-57	32.1	43.0	-25

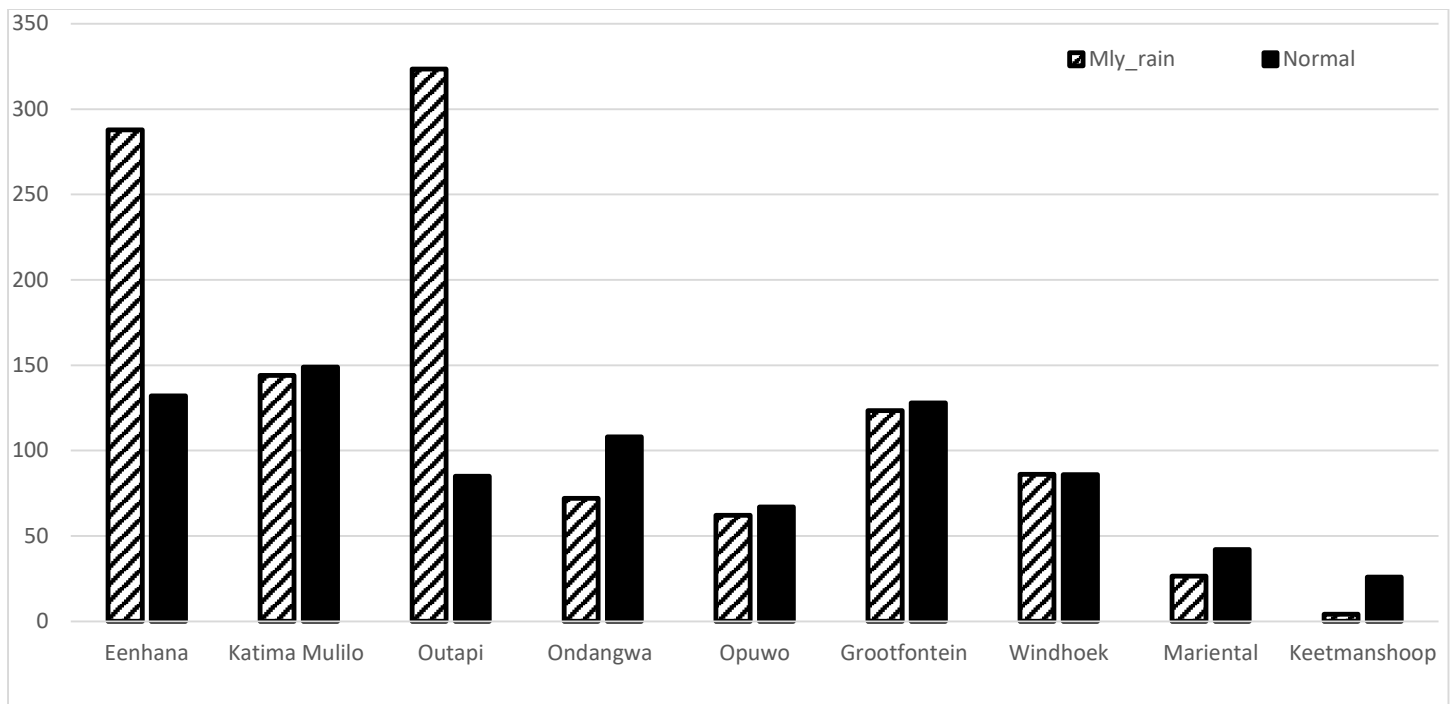


Figure 3: Progressive Chart January 2023

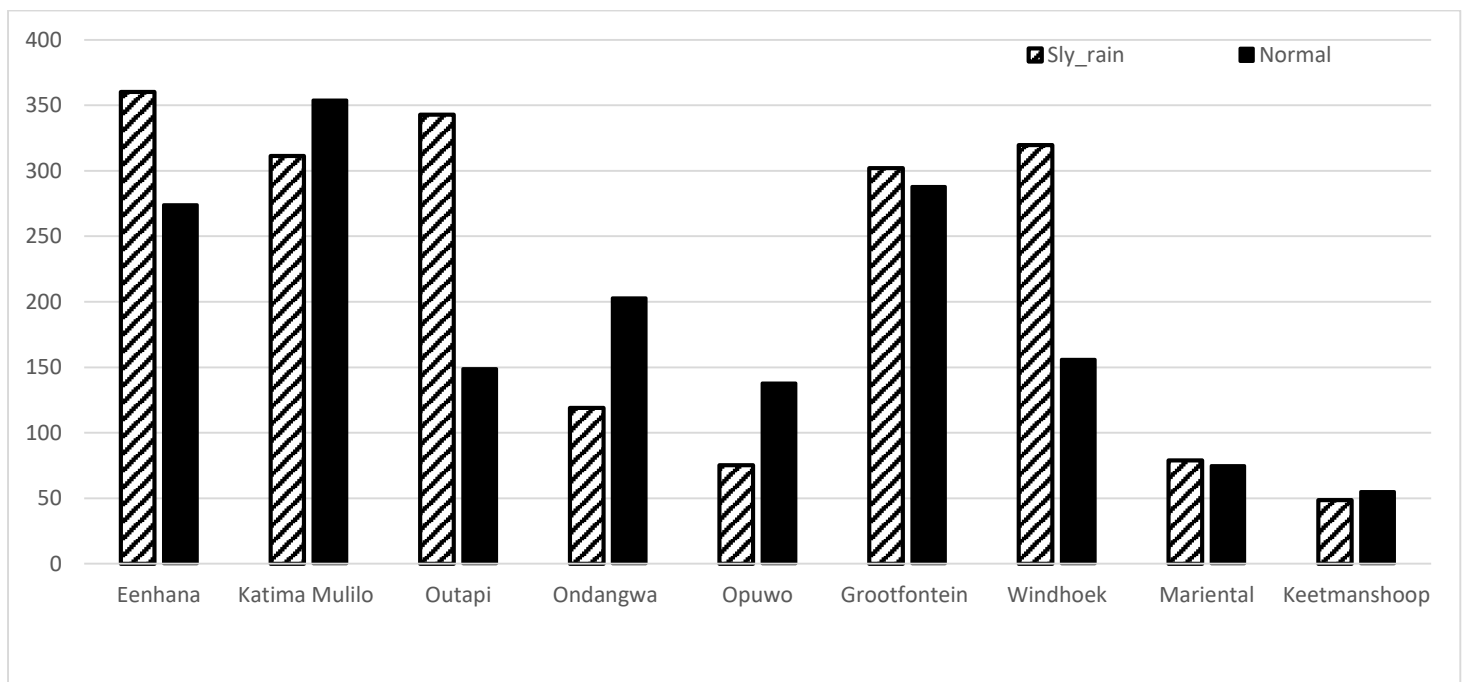


Figure 4: Progressive Chart October 2022 to January 2023