



REPUBLIC OF NAMIBIA

MINISTRY OF WORKS & TRANSPORT
METEOROLOGICAL SERVICE DIVISION

Namibia Rainfall Performance at specified Places – November 2019

HIGHLIGHTS

The below normal rainfall were observed over greater part of the country during November 2019 with the exception of eastern Zambezi region where above normal rainfall were observed, while pockets of areas in the vicinity of Ondangwa and Engombe had normal rainfall for the month. During the month, Bukalo in eastern Zambezi region reported the highest and heaviest rains within 24 hours of 54.0 mm followed by Ondangwa and Engombe both 31.0mm while Gaikos and Ndonga-Linena both at 28.0mm and Eiseb (Omaheke region) with 24mm.

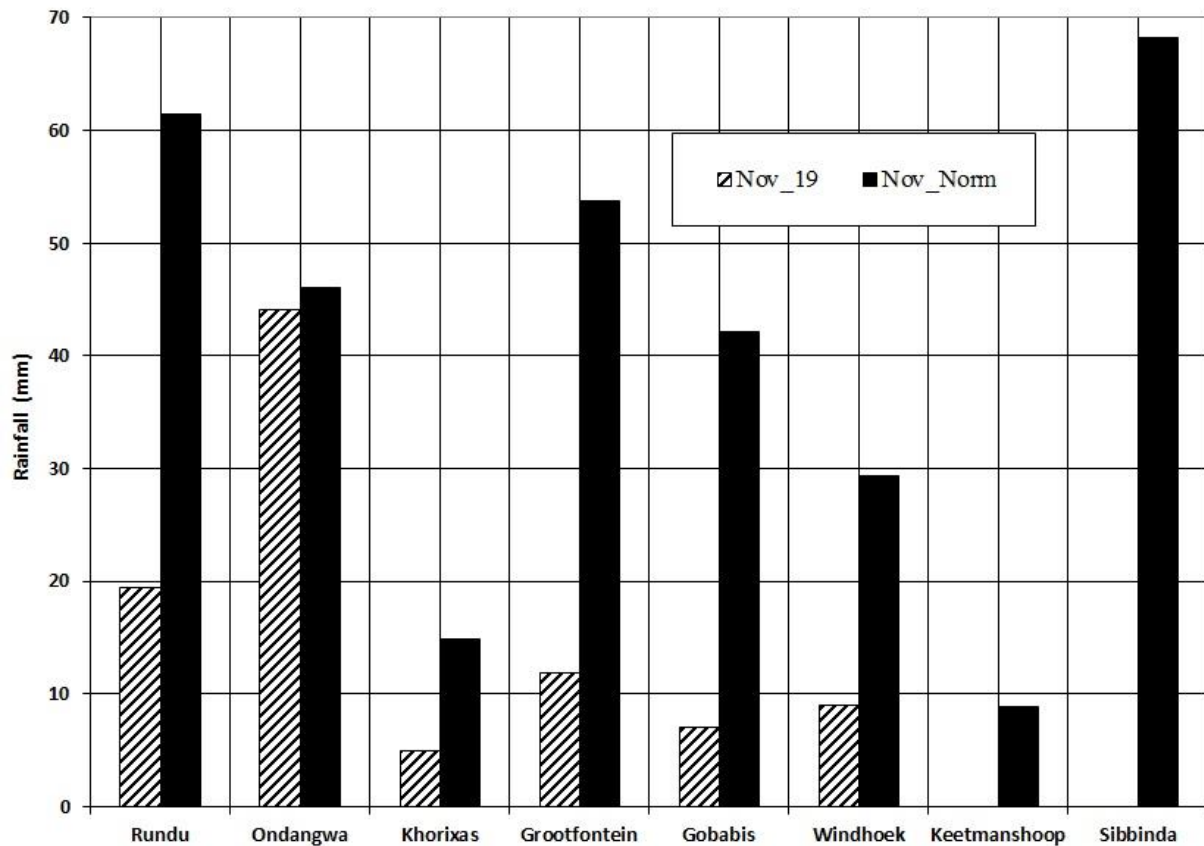
On a seasonal scale (October to November 2019) most rainfall reporting stations throughout the country reported suppressed rainfall activities with the exception of eastern Zambezi region and pockets of areas in Ondangwa and Khorixas where above normal rainfall were experienced. However, the areas from Ndonga_Linena in Kavango East to Eiseb in Omaheke region reported normal rainfall for the season. Equally, the area from northeastern Erongo region through Oshana region to western parts of Kavango west reported normal rainfall for the season. Most of this rains were observed during the month of November with the exclusion of Ondangwa and Ongwediva areas which received significant falls since October.

Namibia Rainfall Performance at specified Places –November 2019

Place	01 – 10 November 2019	11 – 20 November 2019	21 – 31 November 2019	Highest Daily Falls	December Total & Relative Performance			Performance since 1st October 2019		
					2019 Total (mm)	Normal (mm)	%Departure from Normal	Total Rainfall (mm)	Normal (mm)	%Departure from Normal
Okalongo	18.5	0.0	0.0	12.5	18.5	38.1	-51	29.8	51.8	-42
Katima Mulilo	0.0	0.0	0.0	0.0	0.0	67.0	-100	1.4	90.2	-98
Etayi	0.0	0.0	0.0	0.0	0.0	49.5	-100	0.0	64.9	-100
Onesi	11.0	0.4	0.0	11.0	11.4	36.1	-68	27.9	46.4	-40
Mpungu	19.9	0.0	19.0	19.0	38.9	68.7	-43	53.1	88.2	-40
Bukalo	15.3	31.5	102.4	54.0	149.2	68.8	117	149.2	92.8	61
Ngoma	0.0	62.0	0.0	----	62.0	69.0	-10	62.0	93.5	-34
Sibinda	0.0	0.0	0.0	0.0	0.0	68.3	-100	12.0	92.3	-87
Ondangwa	37.3	0.0	6.8	31.0	44.1	46.0	-4	94.6	58.1	63
Rundu	10.8	3.0	5.6	9.0	19.4	61.4	-68	21.5	80.9	-73
Chichimane	6.0	15.0	6.0	8.0	27.0	68.5	-61	35.0	92.4	-62
Ndonga-Linena	4.0	14.0	34.0	28.0	52.0	59.3	-12	57.0	76.9	-26
Opuwo	15.5	1.0	3.0	11.3	19.5	39.4	-51	27.6	49.0	-44
Engombe	0.0	0.0	31.0	31.0	31.0	42.3	-27	51.0	54.9	-7
Onankali	4.0	0.0	10.1	5.0	14.1	48.1	-71	20.0	59.1	-66
Ncamagoro	9.0	9.0	0.0	9.0	18.0	54.5	-67	18.0	72.8	-75
Mururani	9.5	0.0	1.4	5.5	10.9	46.8	-77	26.9	62.6	-57
Omuthiya	0.0	0.0	5.0	4.2	5.0	47.2	-89	11.5	57.1	-80
Okashana	4.2	0.0	0.8	4.2	5.0	46.3	-89	11.5	56.9	-80
Choantsas	9.5	0.0	0.0	5.5	9.5	43.6	-78	9.5	54.6	-83
Wilde	0.0	0.0	18.5	10.0	18.5	46.2	-60	18.5	62.0	-70
Grootfontein Town	0.0	0.0	0.0	0.0	0.0	55.4	-100	0.0	74.3	-100
Gaikos	6.0	0.0	29.0	28.0	35.0	45.7	-23	35.0	61.8	-43
Huttenhof	5.0	0.0	17.0	10.5	22.0	67.6	-67	29.5	81.7	-64

Grootfontein Airport	6.4	3.6	1.8	3.8	11.8	53.7	-78	11.8	71.3	-83
Awagobitbal	23.5	0.0	10.5	18.0	34.0	61.5	-45	34.0	83.3	-59
Khorixas	2.0	0.0	3.0	3.0	5.0	14.9	-66	26.6	17.5	52
Donkerwater	0.0	0.0	0.0	0.0	0.0	40.2	-100	0.0	53.2	-100
Eiseb	0.0	0.0	38.0	24.0	38.0	44.9	-15	38.0	62.2	-39
LaPaloma	1.0	1.5	0.0	1.5	2.5	33.0	-92	2.5	41.3	-94
Eureka	7.7	0.0	0.0	7.5	7.7	33.4	-77	14.8	42.8	-65
Epukiro	5.5	6.0	7.3	7.3	18.8	40.3	-53	18.8	55.2	-66
Steinhausen	6.0	0.0	12.0	6.0	18.0	38.7	-53	22.0	49.4	-55
Okahandja	0.0	0.0	7.4	7.4	7.4	16.1	-54	7.4	24.4	-70
Okahua	1.2	0.0	4.5	4.5	5.7	27.0	-79	11.2	43.2	-74
Pioniers Park	0.0	0.0	2.3	2.3	2.3	24.4	-91	11.5	34.6	-67
Witvlei	0.0	0.0	0.0	0.0	0.0	32.5	-100	0.0	45.5	-100
Gobabis	7.0	0.0	0.0	7.0	7.0	42.2	-83	9.0	55.6	-84
Windhoek	0.0	0.0	9.0	9.0	9.0	29.3	-69	11.6	42.3	-73
Eros Airport	0.1	0.1	2.2	1.6	2.4	29.2	-92	7.8	42.3	-82
Binsenheim	0.0	0.0	0.0	0.0	0.0	24.5	-100	1.5	35.7	-96
Gochas	0.0	0.0	0.0	0.0	0.0	8.6	-100	0.0	18.0	-100
Tses	0.0	0.0	0.0	0.0	0.0	8.9	-100	4.0	11.8	-66
Koes	0.0	0.0	0.0	0.0	0.0	12.2	-100	0.0	17.7	-100
Berseba	0.0	0.0	0.0	0.0	0.0	10.2	-100	6.5	14.5	-55
Bethanie	0.0	0.0	0.0	0.0	0.0	5.9	-100	0.0	11.1	-100
Keetmanshoop	0.0	0.0	0.0	0.0	0.0	8.9	-100	2.4	15.3	-84
Aroab	0.0	0.0	0.0	0.0	0.0	10.6	-100	2.0	16.3	-88
Karasburg	0.0	0.0	0.0	0.0	0.0	6.7	-100	0.0	13.0	-100
Ariamsvlei	0.0	0.0	0.0	0.0	0.0	12.1	-100	0.0	17.5	-100

Rainfall Relative Performance Chart – November 2019



Rainfall Relative Performance Chart – October to November 2019 Cumulative

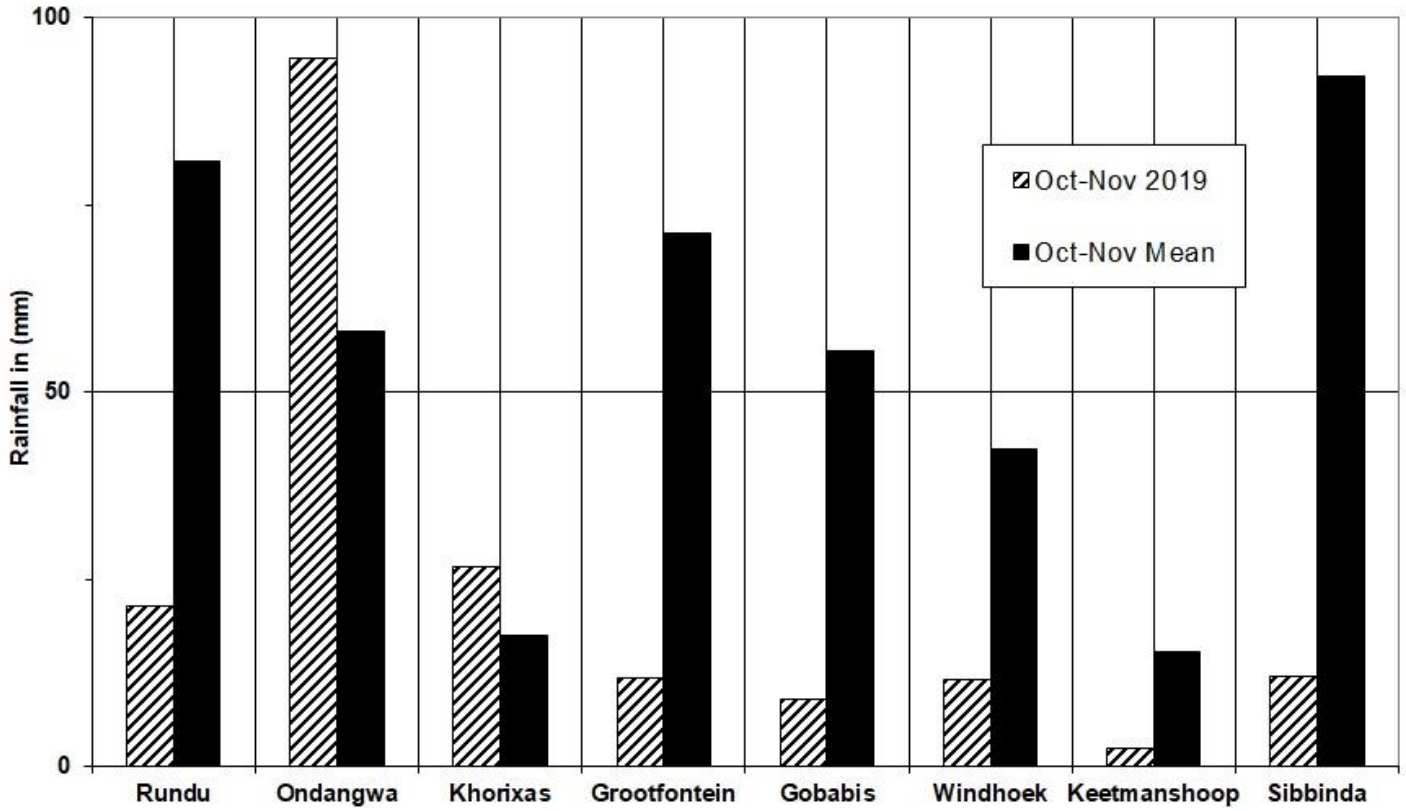


Fig.3 (a) November 2019 Rainfall Spatial Distribution
Units: Millimeters

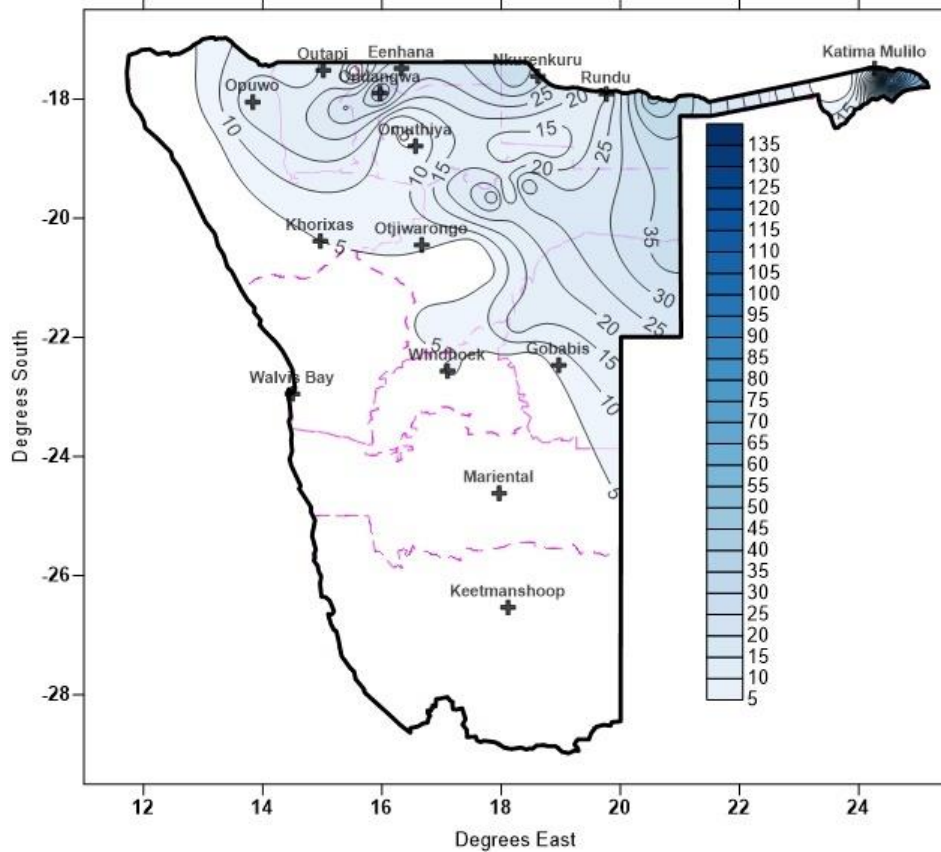


Fig. 3 (b) November 2019 Rainfall as a percentage of Normal Rainfall
Units: %

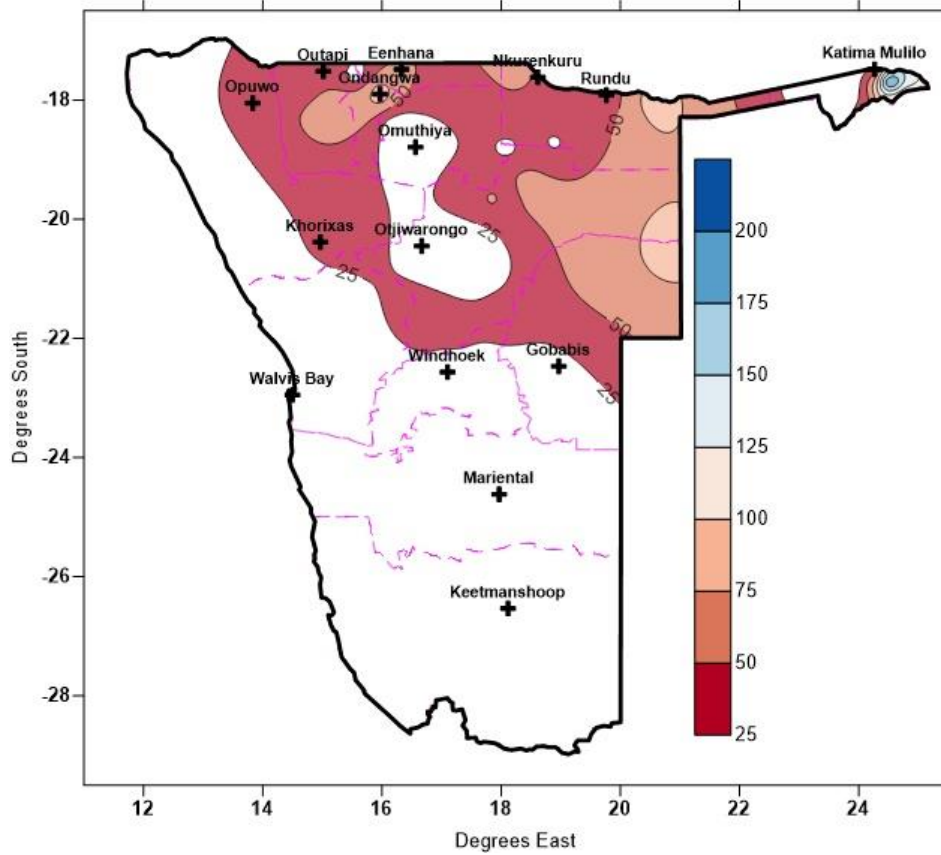


Fig. 3 (c) October – November 2019 Cumulative Seasonal Rainfall
Units: Millimeters

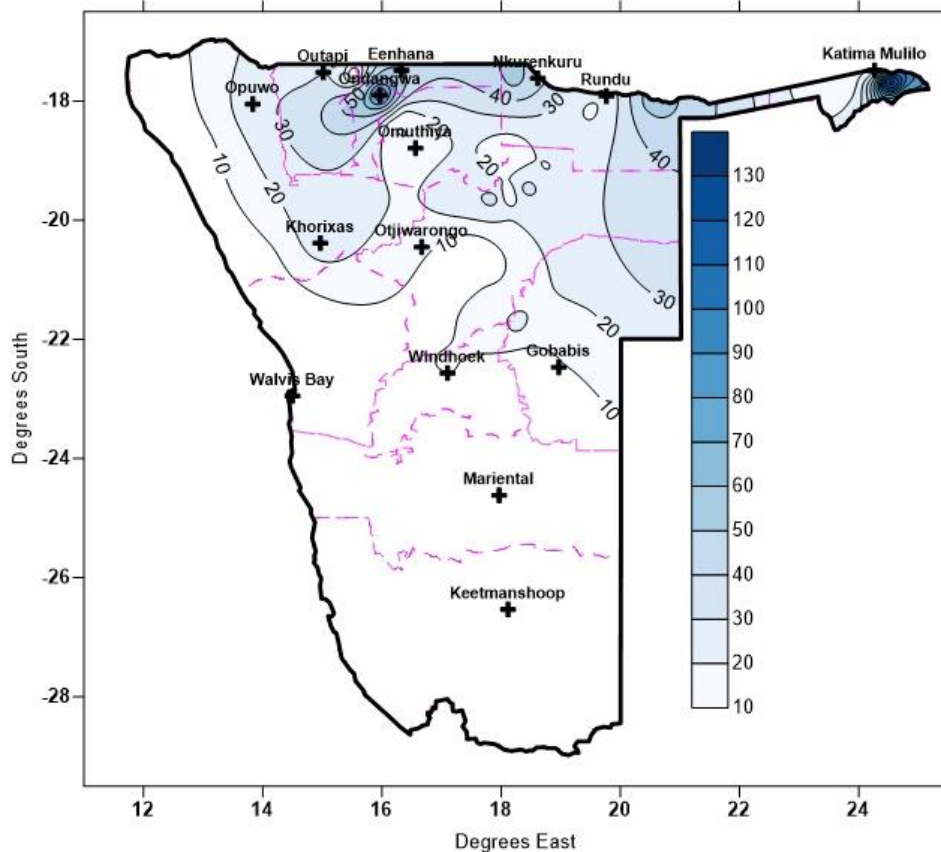


Fig. 4 (b)

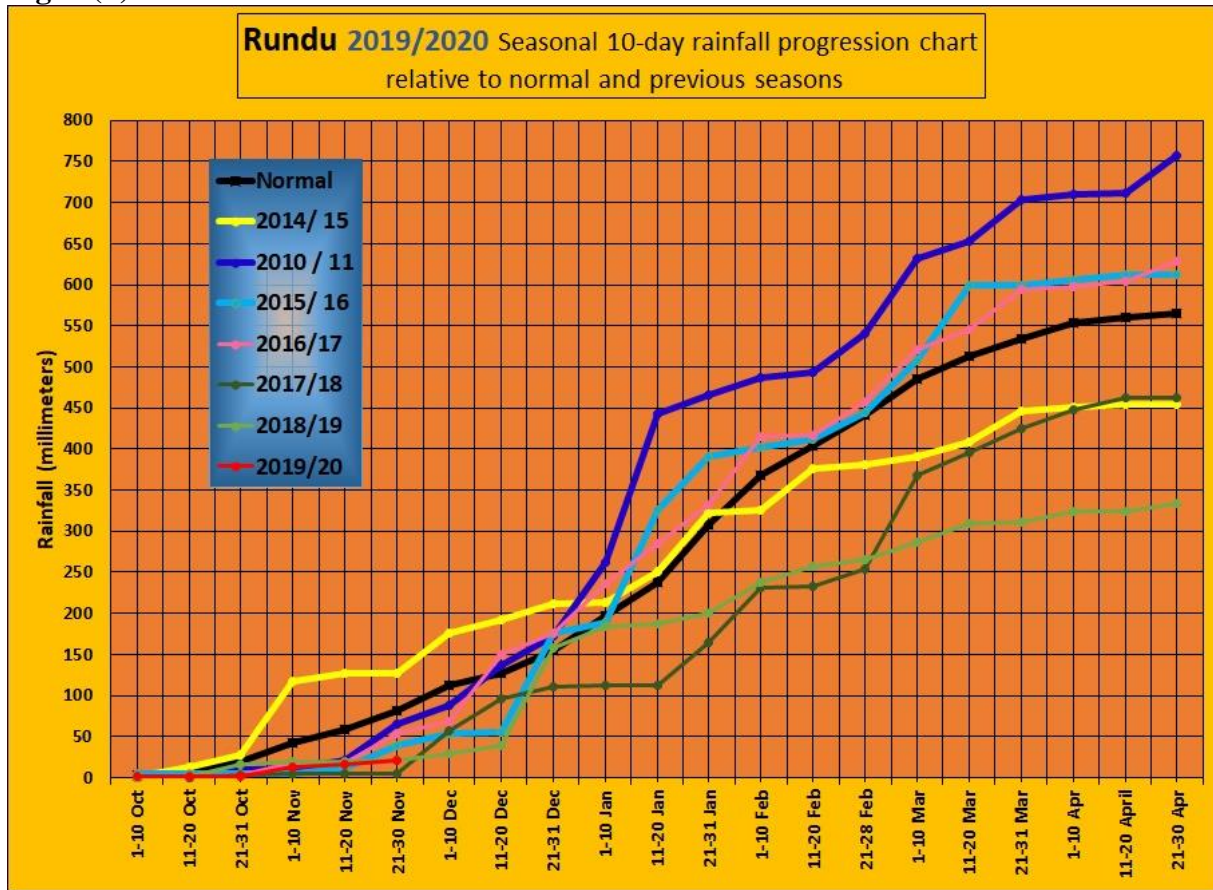


Fig.4 (c)

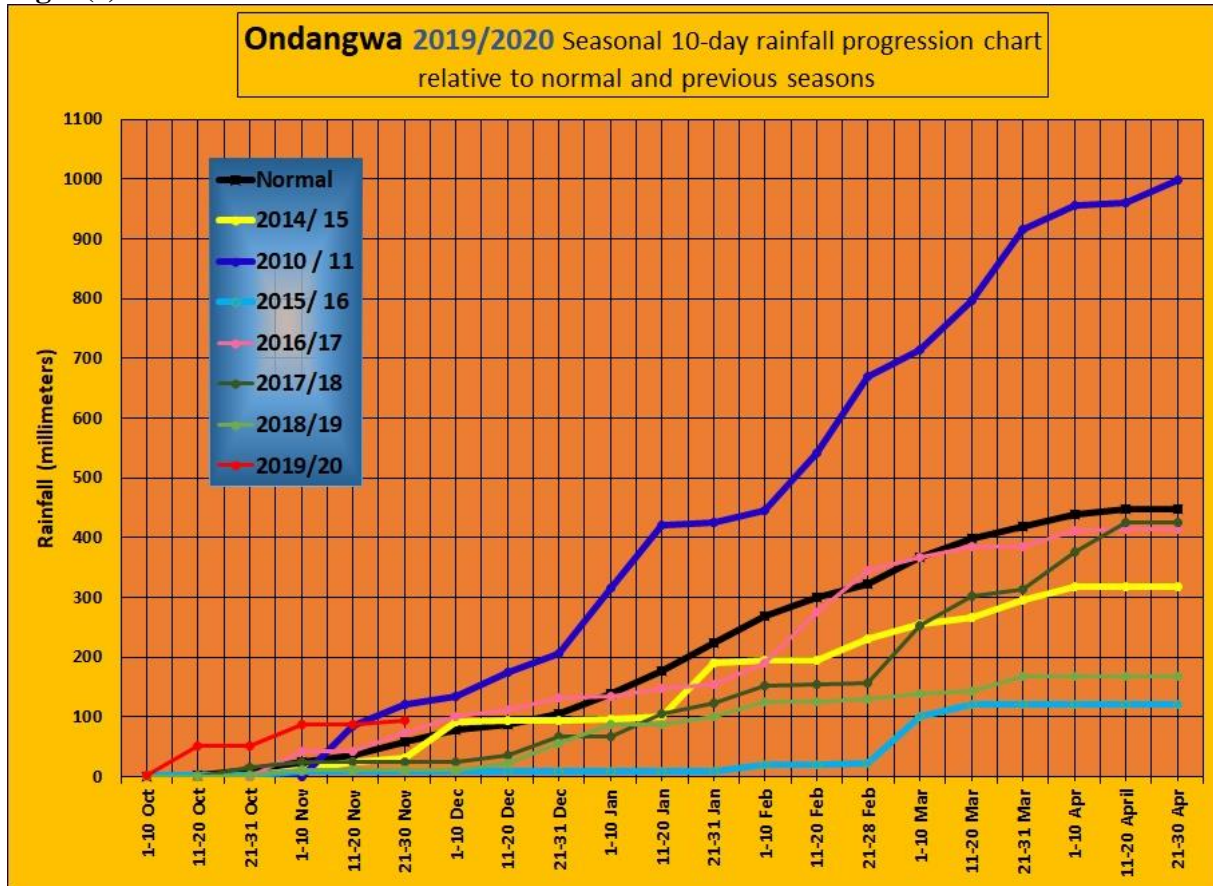


Fig. 4 (d)

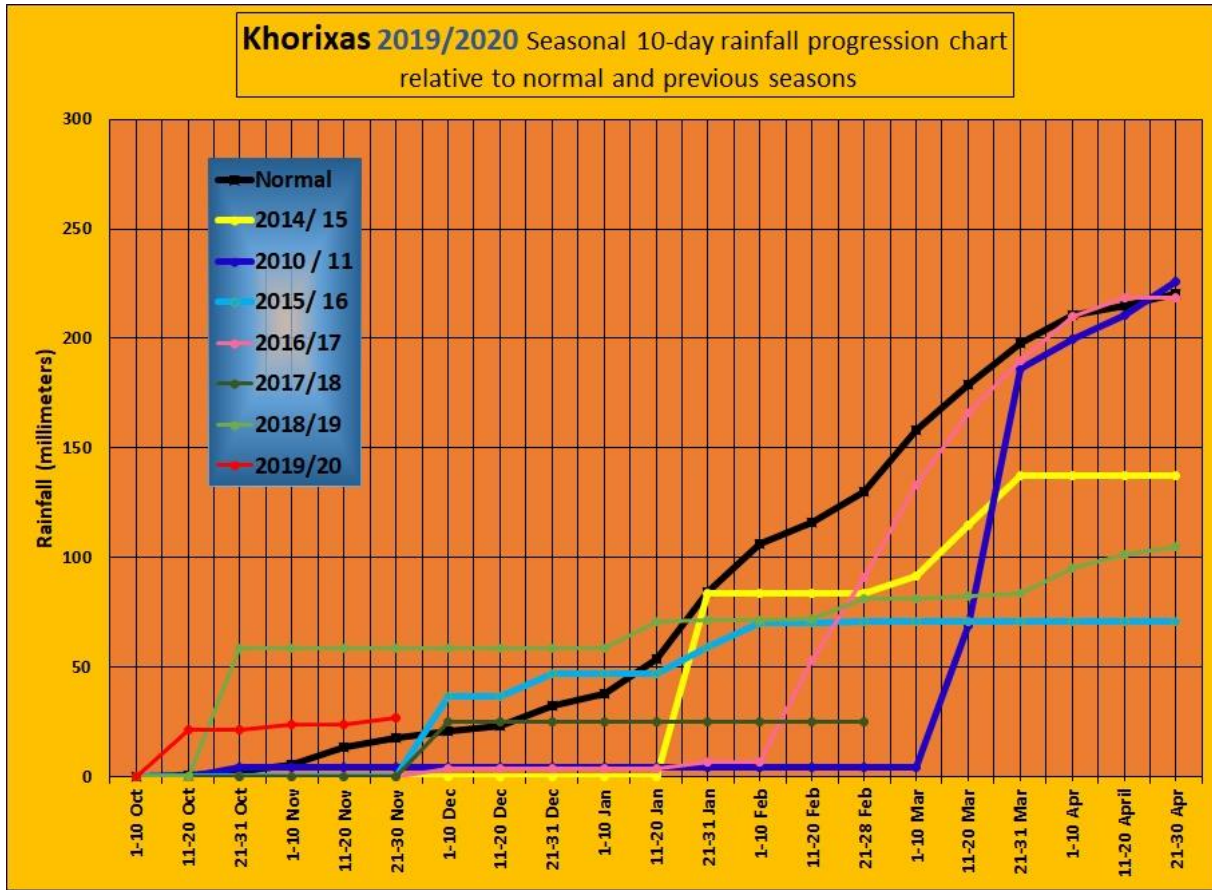


Fig. 4 (e)

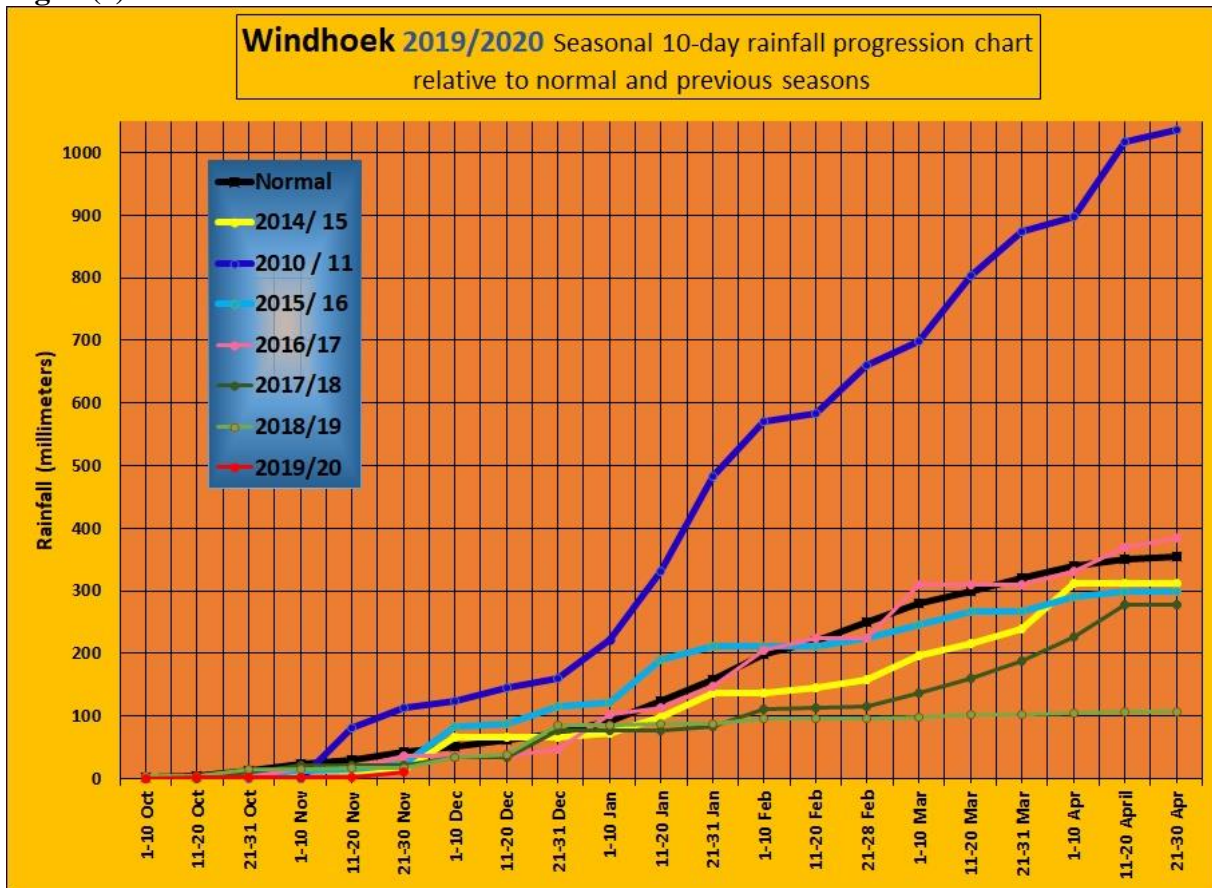


Fig. 4 (f)

