## Country: Papua New Guinea

# TABLE 1: Monthly Rainfall

	Feb- 2020	Mar- 2020	Apr-2020					
Station (include data period)			Total (mm)	33%tile	67%tile	Median	Rank	
	Total (mm)	Total (mm)	Rainfall (mm)				Nalik	
Momase Region								
Madang (1944-2020)	209.4	492.0	243.8	329.1	459.3	396.0	11/70	
Nadzab (1973-2020)	169.6	288.8	162.0	87.6	136.0	103.4	32/45	
Wewak (1956-2020)	66.2	138.8		161.1	232.2	186.4		
Vanimo (1918-2020)	140.8	165.2		183.3	287.3	225.9		
		Highla	nds Region					
Goroka (1948-2020)	256.8	416.0	187.2	154.5	220.2	193.2	24/56	
		New Guine	a Islands Re	gion				
Momote (1949-2020)	213.2	274.4	182.6	246.5	305.1	280.0	11/64	
Kavieng (1916-2020)	189.6	370.0	279.6	268.3	327.3	295.9	41/90	
Southern Region								
Misima (1917-2020)	197.0	353.4	224.6	208.0	344.4	263.0	35/95	
Port Moresby (1875-2020)	82.2	332.0	39.2	83.5	141.7	106.8	15/128	

# TABLE 2: Three-month Rainfall for Februaryto April 2020

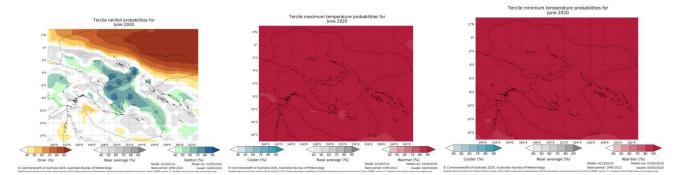
Station	Three-n	nonth Total	33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 November-December 2019				Verification: Consistent, Near-
	Rainfall (mm)						B-N	N	A-N	LEPS	consistent, Inconsistent?
Momase Region											•
Madang (1944-2020)	945.2	Normal	939.5	1151.4	1046.4	25/70	29	37	34	-1	Consistent
Nadzab (1973-2020)	620.4	Above normal	392.4	497.8	455.2	40/44	27	37	36	1	Near- consistent
Wewak (1956-2020)			433.9	519.7	475.9		37	30	33	-1	
Vanimo (1918-2020)			725.2	911.8	834.6		29	34	37	2	
				Hig	hlands Regi	ion				•	
Goroka (1948-2020)	860.0	Above normal	610.0	745.4	664.8	46/54	27	35	38	2	Consistent
				New Gu	inea Islands	Region					
Momote (1949-2020)	670.2	Below normal	759.0	934.9	801.4	12/63	36	31	33	-1	Consistent
Kavieng (1917-2020)	839.2	Normal	820.6	957.2	893.5	35/86	26	37	37	2	Near- consistent
Southern Region											
Misima (1917-2020)	775.0	Normal	707.9	946.6	827.2	38/94	41	39	20	10	Near- consistent
Port Moresby (1875- 2020)	453.4	Below normal	471.9	592.9	535.6	48/127	43	31	26	10	Consistent

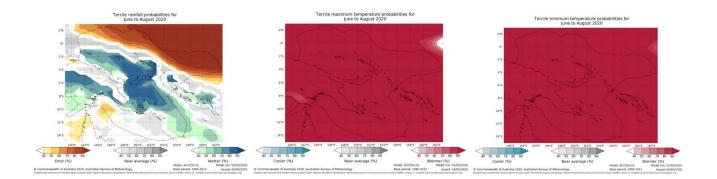
# TABLE 3: Seasonal Climate Outlooks using SCOPIC for Juneto August2020Predictor and Period used: NINO3.4 for March to April 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]				
Momase Region										
Madang (1944-2020)	86	471.0	14		36	76				
Nadzab(1973-2020)	49	329.0	51		-2	22				
Wewak (1956-2020)	70	554.0	30		15	70				
Vanimo (1918-2020)	57	563.5	43		1	56				
		Highla	nds Region							
Goroka (1948-2020)	53	191.0	47		-2	43				
		New Guine	a Islands Re	gion						
Momote (1949-2020)	45	967.0	55		-1	55				
Kavieng (1916-2020)	43	715.0	57		0	56				
Southern Region										
Misima (1917-2020)	79	436.0	21		28	73				
Port Moresby (1875-2020)	63	87.2	37		6	60				

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]			
Momase Region										
Madang (1944-2020)	64	402.0	29	535.2	7	31	58			
Nadzab (1973-2020)	33	294.9	35	411.2	32	-3	11			
Wewak (1956-2020)	52	476.5	30	617.8	18	12	44			
Vanimo (1918-2020)	31	517.6	32	632.3	37	-1	33			
		Highla	nds Region			•				
Goroka (1948-2020)	37	171.4	31	245.3	32	-1	26			
		New Guine	a Islands Re	gion						
Momote (1949-2020)	23	814.0	39	1069.2	38	2	23			
Kavieng (1916-2020)	32	582.9	28	791.1	40	-1	41			
Southern Region										
Misima (1917-2020)	52	331.9	37	548.0	11	22	51			
Port Moresby (1875-2020)	47	55.0	29	110.8	24	6	49			

### Monthly and Seasonal Climate Outlooks using ACCESS-S for June to August 2020





#### **Summary Statements**

#### Rainfall for April 2020:

Rainfall was generally below normal to normal at most of the monitoring stations, except for above normal at Nadzab.

Due to the State Of Emergency, Wewak and Vanimo rainfall totals were not available.

#### Accumulated rainfall for February to April2020, including outlook verification:

Rainfall was generally below normal to normal for the past season, apart from Nadzab and Goroka where rainfall was above normal. The outlook issued in January was consistent at four locations and near-consistent at three.

Nadzab recorded its 5<sup>th</sup> wettest February to April in 44 years of record.

Three month totals were not available for Wewak and Vanimo.

#### **Outlooks forJuneto August2020:**

1. SCOPIC:

Madang, Wewak and Southern Region: The outlook favours below normal, with normal the next most likely.

**Kavieng:** The outlook for the season shows above normalrainfall as the most likely outcome, with below normal the next most likely; normal is the least likely.

**Momote:** The outlook shows a near-equal likelihood of normal and above normal rainfall. Below normal is the least likely.

**All other stations:** The outlook offers little guidance as the chances of above normal, normal and below normal are similar (Climatology).

Confidence ranges from very low to very high.

#### 2. ACCESS-S:

#### Monthly rainfall:

**Momase region:** The outlook offers little guidance as the chances of above normal, normal and below normal is similar.

Highlands region: Normal rainfall is favoured for the region.

New Guinea Islands region: Above normal rainfall is favoured for the NGI region

Southern region: Normal to above normal is favoured for the next month.

#### Monthly maximum and minimum temperature:

Warmer than normal in day time and night time temperatures for the whole country.

#### Seasonal rainfall:

**Momase region:** Below normal rainfall is favoured for Vanimo, with normal rainfall favoured for the rest of the region.

Highlands region: Above normal is the most likely outcome.

New Guinea Islands region: Above normal is favoured for the region.

Southern region: Above normal rainfall is favoured for the region.

#### Seasonal maximum and minimum temperature:

Warmer than normal in day time and night time temperatures for the whole country.

#### NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0Low:  $0 \le X < 5$ Moderate  $5 \le X < 10$ Good:  $10 \le X < 15$ High:  $15 \le X < 25$ 

Very High:  $25 \le X < 35$  Exceptional:  $X \ge 35$ 

## Table: 5Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: April 2020	Stakeholder	Total Number of Participants	Numb er of male	Number of female
Climate Bulletin	23	Govt: National Disaster Centre, Dept. of Agriculture and Livestock, ClimateChange Development Authority,National Agriculture Research Institute, Dept. of Transport, Dept. ofMineral Policy and GeohazardManagement, Dept. of Works, PNGFire, National Maritime SafetyAuthority, Civil Aviation SafetyAuthority, PNG Forest Authority,National Capital District Commission,PNG Customs Authority, NationalDept. of Health, Dept. of Education,Centre for Environmental Protection Authority. UN agencies: UNDP, IOM,UNOCH. Private: PNG Air ServicesLimited, ExxonMobil, Ok Tedi MiningLtd, PNG Power Ltd, GlobalConstruction Ltd, Datec, Interoil, AirNiugini, Bank South Pacific, PNGPorts, Media and Universities.	200	139	61
EAR Watch	22	Govt: National Disaster Centre, Dept. Of Transport, National Agriculture Research Institute, Dept. OfAgriculture and Livestock, ProvincialDisasterCoordinators, Civil Aviation SafetyAuthority, Climate Change DevelopmentAuthority, Dept. Of Mineral Policy and GeohazardManagment, PNG DFAT, Centre ofEnvironmental Protection Authority,National Capital District Commision,Dept. of Education. UN Agencies : UNDP, FAO, IOM, Oxfam. NGOs :Childfund, WVI, PNGRC. Private:Pacific Hydo Services, PNG Power, Ok Tedi Mining Ltd, Media. Aus DFAT	120	83	37
MonthlyClimat e Briefing	nil				
Ocean Bulletin	N/A				
		Total	320	222	98