# Pacific Islands - Online Climate Outlook Forum (OCOF) No. 140

**Country: PNG** 

**TABLE 1: Monthly Rainfall** 

	Feb- Mar-	Apr-2019						
Station (include data period)	2019	2019	Total (mm)	33%tile	67%tile	Median	Rank	
	Total (mm)	Total (mm)		Rainfall (mm)				
		Mom	ase Region					
Madang (1944-2019)	596.0			328.7	461.0	396.0		
Nadzab (1973-2019)	179.6	169.0	103.0	87.4	137.0	103.8	21/44	
Wewak (1894-2019)	126.8	98.0	127.8	164.2	233.9	187.9	8/63	
Vanimo (1918-2019)	305.0	407.4	261.6	183.0	291.8	222.8	41/65	
		Highla	nds Region					
Goroka (1948-2019)		328.2	103.0	162.8	222.6	196.1	5/55	
		New Guine	a Islands Re	gion				
Momote (1949-2019)	167.6	324.6	238.4	251.2	305.5	282.5	21/63	
Kavieng (1916-2019)		270.0		267.8	324.9	290.9		
Southern Region								
Misima (1917-2019)		280.2		213.6	346.2	265.5		
Port Moresby (1875-2019)	64.8	371.4	118.4	83.5	142.3	106.2	78/127	

**TABLE 2: Three-month Rainfall for February to April 2019** 

Station	Three-n	nonth Total	33%tile	67%tile	Median	Rank		n NINO3.4 N	st probabilit lovember-D )18		Verification: Consistent, Near- consistent,
		Rainfall (mm)					B-N	N	A-N	LEPS	Inconsistent?
	Momase Region										
Madang (1944-2019)			931.7	1145.8	1036.0		27	37	36	-1	
Nadzab (1973-2019)	451.6	Normal	381.6	505.3	457.7	20/43	25	38	37	0	Consistent
Wewak (1894-2019)	352.6	Below normal	438.4	519.8	480.4	5/62	40	26	34	-1	Consistent
Vanimo (1918-2019)	974.0	Above normal	696.4	909.3	783.5	52/63	27	30	43	2	Consistent
				Hig	hlands Reg	ion					
Goroka (1948-2019)			610.0	746.6	673.4		24	35	41	2	
				New Gu	inea Islands	Region					
Momote (1949-2019)	730.6	Below normal	761.1	935.8	801.6	17/62	37	32	31	-2	Consistent
Kavieng (1917-2019)			806.7	977.9	899.9		20	40	40	4	
Southern Region											
Misima (1917-2019)			747.5	959.0	844.9		54	36	10	17	
Port Moresby (1875- 2019)	554.6	Normal	433.7	589.3	517.2	77/126	49	29	22	8	Near- consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for June to August 2019 Predictor and Period used: NINO3.4 for March to April 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]	
		Mom	ase Region				
Madang (1944-2019)	93	471.0	7		36	76	
Nadzab(1973-2019)	52	328.5	48		-2	25	
Wewak (1894-2019)	78	557.0	22		14	67	
Vanimo (1918-2019)	35	566.8	65		2	59	
		Highla	ınds Region				
Goroka (1948-2019)	57	191.0	43		-1	46	
		New Guine	a Islands Re	gion			
Momote (1949-2019)	45	973.0	55		-1	54	
Kavieng (1916-2019)	43	709.8	57		0	53	
Southern Region							
Misima (1917-2019)	87	436.2	13		26	73	
Port Moresby (1875-2019)	73	87.1	27		8	62	

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
		Momo	ase Region				
Madang (1944-2019)	77	402.0	20	535.2	3	31	58
Nadzab (1973-2019)	34	294.9	35	402.7	31	-3	21
Wewak (1894-2019)	58	487.0	29	619.1	13	10	43
Vanimo (1918-2019)	26	518.3	33	632.5	41	-1	36
		Highla	nds Region				
Goroka (1948-2019)	42	170.6	26	245.2	32	-1	32
		New Guine	a Islands Re	gion			
Momote (1949-2019)	20	813.0	38	1069.0	42	1	25
Kavieng (1916-2019)	32	577.9	25	784.1	43	-1	42
Southern Region							
Misima (1917-2019)	64	331.8	30	548.0	6	23	55
Port Moresby (1875-2019)	56	55.0	29	109.6	15	9	53

TABLE 4: Seasonal Climate Outlooks using POAMA2 for June to August 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)				
	Momase Region								
Madang	79	368.0	12	505.0	9				
Nadzab	70	259.0	12	350.0	18				
Wewak	85	514.0	6	619.0	9				
	New (	Guinea Island	ls Region						
Momote	42	813.0	5	1036.0	53				
Kavieng	27	522.0	15	809.0	58				
Southern Region									
Misima	94	310.0	5	517.0	1				
Port Moresby	79	50.0	6	101.0	15				
Daru	55	125.0	35	208.0	10				

# **Summary Statements**

#### Rainfall for April 2019:

Below normal rainfall was received at Wewak, Goroka and Momote. Normal rainfall was received at Nadzab, Vanimo and Port Moresby, while reports were not received from Madang, Kavieng and Misima.

Goroka received its fifth-driest April on record.

### Accumulated rainfall for February to April 2019, including outlook verification:

Below normal rainfall was received at Wewak and Momote, normal was received at Nadzab and Port Moresby, whilst Vanimo received above normal rainfall.

The outlooks issued in January were Consistent at all stations, except Port Moresby which was Near-consistent.

# Outlooks for June to August 2019:

#### 1. SCOPIC:

Madang/Port Moresby/Wewak: The outlook favours below normal rainfall as the most likely outcome, with

Misima normal the next most likely. Above normal is the least likely

**Momote/Vanimo:** The outlook shows above normal as the most likely outcome, with normal the next

most likely. Below normal is the least likely.

**Kavieng:** The outlook shows above normal as the most likely outcome, with below normal the

next most likely. Normal is the least likely.

**Goroka:** The outlook shows below normal as the most likely outcome, above normal the next

most likely. Normal is the least likely.

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The outlook offers little guidance as the chances of above normal, normal and below normal are similar

Confidence ranges from very low to very high.

## 2. POAMA:

Below-normal rainfall is favoured in the Momase and Southern Regions, and above-normal is favoured for the New Guinea Islands Region.

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

Very Low: X < 0.0 Low:  $0 \le X < 5$  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: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: April 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	April	All	152	?	?
Disaster Monthly Meeting	25th April	All	25	?	?
		Total	177		