

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 103

**Country Name:** NIUE ISLAND

### TABLE 1: Monthly Rainfall

Station (include data period)	March 2016						
	January 2016 Total	February 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport (1950 – 2016)	135.1	281.6	238.8	193.3	312.0	247.5	32/67

### TABLE 2: Three-monthly Rainfall January to March 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #99]

Station	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecast probs.* (include LEPS)	Verification* (Consistent, Near-consistent Inconsistent?)
Hanan Airport	655.5	632.7	952.3	790.0	25/67	84/12/4 (14.3)	<b>Near Consistent</b>

Period: \*below normal/normal/above normal

Predictors and Period used for January to March 2016 Outlooks (refer to OCOF #99):

*NINO 3.4 – October to November 2015*

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\* Forecast is consistent when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is near-consistent when observed and predicted (tercile with the highest probability) differ by only one category (i.e. terciles 1 and 2 or terciles 2 and 3).

Forecast is inconsistent when observed and predicted (tercile with the highest probability) differ by two categories (i.e. terciles 1 and 3).

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for  
May to July 2016**

**Predictors and Period used: NINO 3.4 – February to March 2016**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	68	311.0	32		0.7	54.5

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	41	252.0	45	397.7	14	0.1	37.9

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
May to July 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	88	274	7	362	5		

## Summary Statements

### Rainfall for March 2016:

- March rainfall was **Normal**.

### Accumulated rainfall for January to March 2016, including outlook verification:

- Rainfall for January to March was **normal**.
- The outlook for January to March favoured **below normal** rainfall.
- Verification for the outlook was **near consistent** with the observed normal rainfall.

### Outlooks for May to July 2016:

#### 1. SCOPIC:

- The SCOPIC outlook for May to July 2016 favours **normal** rainfall.
- Confidence in the outlook is **very low**.

#### 2. POAMA:

- The POAMA outlook for May to July favours **below normal** rainfall.

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

Very Low:  $X < 0.0$

Low:  $0 \leq X < 5$

Moderate  $5 \leq X < 10$

Good:  $10 \leq X < 15$

High:  $15 \leq X < 25$

Very High:  $25 \leq X < 35$

Exceptional:  $X \geq 35$

## Brief Summary on Drought Monitoring in Niue

782	Apr 2015	-4.8	15.385	10.938	12.500	17.188
783	May 2015	-9.6	9.231	6.250	9.375	12.500
784	Jun 2015	-9.8	12.308	7.692	10.938	9.375
785	Jul 2015	-13.5	9.231	10.769	4.688	4.688
786	Aug 2015	-15.5	16.923	6.154	6.250	6.250
787	Sep 2015	-17.4	16.923	4.615	7.692	6.250
788	Oct 2015	-19.3	18.462	9.231	4.615	4.688
789	Nov 2015	-14.4	18.462	12.308	4.615	6.250
790	Dec 2015	-11.5	26.154	10.769	7.692	4.615
791	Jan 2016	-11.4	15.385	12.308	7.692	7.692
792	Feb 2016	-16.2	21.538	16.923	12.308	9.231
793	Mar 2016	-14.7	36.364	16.923	18.462	9.231

3-month timescale: In drought (for 11 months)

6-month timescale: In drought (for 11 months)

9-month timescale: In drought (for 11 months)

12-month timescale: In drought (for 10 months)

Currently here in Niue, we are experiencing good amount of rainfall.