### Country Name: SAMOA

Station (include data period)			November 2016						
	September 2016 Total	October 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking		
Afiamalu	186.9	241.8	372.4	552.1	760.8	645.4	34/64		
Apia	97.1	135.1	111.6	355.8	489.1	399.6	14/127		
Nafanua	131.1	112.7	156.5	352.0	720.2	442.5	7/46		
Faleolo	47.5	228.6	232.6	213.8	361.9	293.5	42/55		

## **TABLE 1: Monthly Rainfall**

## TABLE 2: Three-monthly Rainfall September to November 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #107]

Station	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecast probs.* (include LEPS)	Verification <sup>*</sup> (Consistent, Near-consistent Inconsistent?
Afiamalu	801.1	773.0	1094.7	912.2	26/63	<b>47</b> /33/20 (2.9)	Near Consistent
Apia	343.8	495.1	682.9	596.7	18/127	<b>40</b> /37/23 (-0.1)	Consistent
Nafanua	400.3	600.8	806.7	677.8	3/44	<b>47</b> /30/23 (0.7)	Consistent
Faleolo	508.7	400.8	518.7	459.4	34/53	<b>41</b> /30/29 (-1.7)	Near Consistent

Period:\*below normal/normal/above normal

# Predictors and Period used for September to November 2016 Outlooks (refer to OCOF #106):

## Nino 3.4 values from May to July 2016

Forecast is <u>consistent</u> when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is <u>near-consistent</u> 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 <u>inconsistent</u> 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 forJanuary to March 2017

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)	L	EPS.	Hit-rate
Afiamalu	37	1767.1	63	10	0.0%	64.3%
Apia	41	1124.3	59	5	5.2%	54.5%
Nafanua	37	1270.2	63	1:	1.2%	59.5%
Faleolo	46	780.2	54	-(	0.9%	56.4%
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#### Predictors and Period used: Nino 3.4 SST Anomalies of October to November 2016

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Afiamalu	32	1533.1	28	1981.8	40	0.9%	30.4%
Apia	22	1003.8	36	1253.5	42	9.0%	39.4%
Nafanua	13	1086.0	46	1611.0	41	14.4%	47.6%
Faleolo	29	682.4	34	884.2	37	0.9%	34.5%

# TABLE 4: Seasonal Climate Outlooks using POAMA2 forJanuary to March 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)	

### **Summary Statements**

### Rainfall for November 2016:

All stations received 'below normal' rainfall except Faleolo station which recorded 'normal' precipitation.

### Accumulated rainfall for September to November 2016, including outlook verification:

Afiamalu and Faleolo recorded 'normal' rainfall whereas Nafanua and Apia recorded 'below normal' rainfall.

The outlook issued was 'consistent' for Nafanua and Apia and 'near consistent' for Afiamalu and Faleolo .

# Outlooks for January to March 2017: 1. SCOPIC:

The outlook for Afiamalu and Apia favours 'above normal' with 'normal' the next most likely. 'Normal' rainfall is the most likely outcome for Nafanua station with 'above normal' the next most likely. The outlook for Faleolo shows near equal likelihood of 'above normal' and 'normal' rainfall.

The confidence of the model varies from 'low to moderate'.

### 2. POAMA:

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 ≤X < 35

Exceptional:  $X \ge 35$