Country Name: Fiji
TABLE 1: Monthly Rainfall

Station (include data period)			October 2017				
	August 2017 Total	September 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Western Division							
Penang Mill (1910-2017)	48.7	28.6	**7.1**	45.6	112.0	73.7	4/108
Lautoka Mill (1900-2017)	28.7	2.1	**24.5**	37.5	107.7	64.3	24/118
Nadi Airport (1942-2017)	60.6	4.3	**28.2**	39.8	105.6	61.9	17/76
Viwa (1978 -2017)	93.5	12.2	**40.7**	33.7	95.5	56.1	16/37
Central Division							
Laucala Bay (Suva) (1942-2017)	149.8	118.4	**150.2**	126.6	217.8	167.8	36/76
Nausori Airport (1957-2017)	169.4	122.5	**125.5**	128.7	224.8	149.6	20/61
Tokotoko (Navua) (1945-2017)	149.6	184.1	**235.0**	194.0	324.2	250.2	34/73
Eastern Division							
Lakeba (1950-2017)	81.6	58.1	**72.6**	63.8	140.0	84.9	29/69
Vunisea (Kadavu) (1931-2017)	122.9	-	**-**				
Ono-i-Lau (1943-2017)	214.4	91.4	**131.8**	40.5	107.6	73.0	54/72
Northern Division							
Labasa Airport (1946-2017)	80.2	40.8	**47.0**	70.8	133.4	96.7	15/60
Savusavu Airfield (1956-2017)	86.8	35.7	**80.7**	97.1	180.8	127.8	16/61
Rotuma (1912-2017)	220.8	175.6	**625.1**	243.7	342.8	285.6	100/103

Period: *below normal/normal/above normal
M - Missing

TABLE 2: Three-monthly Rainfall
August to October 2017
Predictors and Period used: NINO3.4 SST Anomalies: May to June 2017

Station	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecast probs.* (include LEPS)	Verification* (Consistent, Near-consistent or Inconsistent)
Western Division							
Penang Mill (1910-2017)	**84.4**	178	275	224	8/107	**43**:41:16 (6.1)	Consistent
Lautoka Mill (1900-2017)	**55.3**	165	259	225	8/118	**48**:28:24 (3.8)	Consistent
Nadi Airport (1942-2017)	**93.1**	173	291	225	9/76	**50**:30:20 (6.2)	Consistent
Viwa (1978 -2017)	**146.4**	134	267	223	14/35	39:28:**33** (-2.0)	Near-consistent
Central Division							
Laucala Bay (Suva) (1942-2017)	**418.4**	410	616	510	27/76	**47**:37:16 (7.2)	Near-consistent
Nausori Airport (1957-2017)	**417.4**	427	600	479	21/61	31:**46**:23 (0)	Near-consistent
Tokotoko (Navua) (1945-2017)	**568.7**	560	891	638	25/72	**43**:43:14 (8.5)	Near-consistent
Eastern Division							
Lakeba, Lau (1950-2017)	**212.3**	252	344	309	20/69	**44**:30:26 (1.3)	Consistent
Vunisea (Kadavu) (1931-2017)	-	294	437	363	-	**47**:34:19 (4.8)	Unverified
Ono-i-lau (1943-2017)	**437.6**	234	348	303	57/70	**45**:29:26 (1.5)	Inconsistent
Northern Division							
Labasa Airport (1956-2017)	**168.0**	167	243	203	21/59	**45**:31:24 (1.4)	Near-consistent
Savusavu Airfield (1956-2017)	**203.2**	301	414	353	7/60	**43**:37:20 (3.7)	Consistent
Rotuma (1912-2017)	**1021.5**	652	840	719	87/102	32:23:**46** (0.4)	Consistent

Period:* below normal/normal/above normal

---

*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).

M - Missing

TABLE 3: Seasonal Climate Outlooks using SCOPIC for December 2017 to February 2018– Tercile Method

Predictors and Period used: NINO3.4 SST Anomalies: September to October 2017

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS (%)	Hit-rate (%)
Western Division							
Penang Mill (1910-2017)	28	783.6	33	1070.7	**39**	17.5	50.8
Lautoka Mill (1900-2017)	21	609.8	38	925.3	**41**	26.9	59.7
Nadi Airport (1942-2017)	25	652.8	36	908.4	**39**	22.0	50.7
Viwa (1978 -2017)	21	477.4	35	709.5	**44**	20.2	57.1
Central Division							
Laucala Bay (Suva) (1942-2017)	31	782.9	34	1026.7	**35**	1.6	38.8
Nausori Airport (1957-2017)	33	786.4	32	1005.2	**35**	-1.3	29.5
Tokotoko (Navua) (1945-2017)	**34**	885.8	32	1140.1	**34**	-1.4	18.2
Eastern Division							
Lakeba (1950-2017)	20	571.0	**41**	757.3	39	30.1	58.2
Vunisea (Kadavu) (1931-2017)	27	498.3	36	724.0	**37**	8.1	47.0
Ono-i-Lau (1943-2017)	27	438.9	36	591.0	**37**	6.6	50.0
Northern Division							
Labasa Airport (1956-2017)	20	798.2	39	1127.0	**41**	30.0	58.3
Savusavu Airfield (1956-2017)	27	572.7	35	849.0	**38**	11.2	45.6
Rotuma (1912 -2017)	28	900.7	**36**	1098.9	**36**	15.9	37.9

Seasonal Climate Outlook:

December 2017 to February 2018 - Median Table:

Predictors and Period used: NINO3.4 SST Anomalies: September to October 2017

Station	Below Median (prob)	Median rainfall (mm)	Above Median (prob)	LEPS (%)	Hit-rate (%)
Western Division					
Penang Mill (1910-2017)	41	889.4	**59**	16.9	72.3
Lautoka Mill (1900-2017)	43	789.9	**57**	10.9	70.1
Nadi Airport (1942-2017)	41	844.2	**59**	22.9	76.1
Viwa (1978 -2017)	39	614.7	**61**	17.9	71.4
Central Division					
Laucala Bay (Suva) (1942-2017)	48	873.6	**52**	-0.2	56.7
Nausori Airport (1957-2017)	49	833.7	**51**	-1.4	55.7
Tokotoko (Navua) (1945-2017)	48	994.0	**52**	-0.2	51.5
Eastern Division					
Lakeba (1950-2017)	40	655.6	**60**	23.0	67.2
Vunisea (Kadavu) (1931-2017)	43	616.0	**57**	13.7	71.2
Ono-i-Lau (1943-2017)	43	505.9	**57**	9.5	60.9
Northern Division					
Labasa Airport (1956-2017)	35	918.3	**65**	31.9	73.3
Savusavu Airfield (1956-2017)	42	707.8	**58**	16.4	66.7
Rotuma (1912 -2017)	42	996.9	**58**	21.3	65.2

TABLE 4: Seasonal Climate Outlooks using POAMA2 for December 2017 to February 2018

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)
Lakeba	6	508	5	701	**89**
Nadi	6	597	6	860	**88**
Nabouwalu	12	679	5	885	**83**
Udu Point	15	680	9	927	**76**
Vunisea	6	496	6	669	**88**
Suva	6	739	6	956	**88**
Rotuma	9	817	12	1018	**79**

Summary Statements

Rainfall for October 2017:

Generally, normal to *below normal* rainfall were recorded across the Fiji Group, with the exception of Ono-i-Lau and Rotuma, which recorded *above normal* rainfall.

This October was fourth driest October on record for Penang Mill and fourth wettest October on record for Rotuma*.*

Accumulated rainfall for August to October 2017 & outlook verification:
Apart from Ono-i-Lau and Rotuma, generally *normal* to *below normal* rainfall was recorded during the last three months.

Majority of the stations in the Western Division are still in meteorological drought state, at the 3-month timescale.

The rainfall outlooks for the August to October 2017 period were consistent at six stations, near-consistent at five, inconsistent at Ono-i-Lau, while the forecast for Vunisea could not be verified due to missing observations.

Outlooks for December 2017 to February 2018:

1. **SCOPIC:**
   The SCOPIC rainfall outlook for December 2017 to February 2018 shows:
   - Western Division: *above-normal* rainfall is the most likely outcome with normal the next most likely at Viwa, while at Lautoka and Nadi there are near-equal chances of *above-normal* and *normal* rainfall. At Penang Mill there is little guidance as the chances of above- normal, normal and below-normal are similar;
   - Central Division: The outlook offers little guidance for the December 2017 to February 2018 period as the chances of above-normal, normal and below-normal rainfall are similar;
   - Eastern Division, Northern Division: The rainfall outlook shows a near equal likelihood of above-normal and normal rainfall. Below normal rainfall is the least

likely. At Rotuma there is little guidance as the chances of above- normal, normal and below-normal are similar.

Very low to low confidence in the Central Division, while *moderate to very high* confidence for the rest of the country.

2. **POAMA**

The POAMA outlook shows:
- *Above-normal* rainfall is the favoured outcome across the Fiji Group.

NB: The X LEPS % score has been categorised as follows:
Very Low: X < 0.0   Low: 0 ≤ X < 5   Moderate 5 ≤ X < 10   Good: 10 ≤ X< 15   High: 15≤ X < 25
Very High: 25 ≤X < 35   Exceptional: X ≥ 35