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# Fiji Climate Summary August 2017



**ISO 9001:2008  
certified Climate  
Services**



Winner - Fiji Business Excellence Prize  
Fiji Business Excellence Awards 2014

Issued: September 8, 2017

Since : August 1980\*

Volume 38 : Issue 08

## 1. IN BRIEF

The El Niño Southern Oscillation remained in neutral state, that is neither El Niño nor La Niña, during August 2017.

The rainfall pattern varied across the country during the month with drier than *normal* conditions experienced in some parts, while *normal* to wetter than *normal* conditions were recorded in others. Out of the 24 rainfall monitoring stations, 8 registered *below average* rainfall, 10 *average*, 5 *above average*, while Yasawa-i-Rara recorded *well above average* rainfall.

While some relieving rainfall was received during the month, most parts of the Western Division continued to record *below average* rainfall, a trend which has been persisting since April 2017. Consequently, majority of the locations in the Western Division were in a meteorological drought state affecting grasslands, shallow rooted plants and small water bodies (e.g. small water tanks, creeks and streams) at the end of August 2017.

Significant rainfall was recorded in the Central Division on the 24<sup>th</sup>, with Koronivia, Nausori Airport and Laucala Bay registering 110mm, 95mm and 63mm of rainfall, respectively. Consequently, there were media reports of flash flooding in Nausori town on the 24<sup>th</sup>.

Hailstorm, a rare meteorological phenomenon for Fiji, was

experienced over the northeast coast of Viti Levu and nearby islands in the Lomaiviti group on the 16<sup>th</sup>.

A notable period of hot condition was experienced during the last week of the month. Rarawai Mill recorded maximum temperature of 34.6°C on the 30<sup>th</sup>, followed by Keiyasi with 34.2°C on the 27<sup>th</sup> and Nacocolevu with 33.5°C on the 29<sup>th</sup>. New daily high temperature records for August were established at Vunisea and Matuku during this period. There were also new high mean monthly maximum and minimum temperature records for August set at Matei Airfield and Rotuma, respectively, during the month (Table 1).

Significantly cool condition was experienced at night on occasions during the month, especially between 17<sup>th</sup> to 19<sup>th</sup>. Nadarivatu registered minimum temperature of 8.6°C on the 18<sup>th</sup>, followed by Keiyasi with 11.1°C on the 18<sup>th</sup>, Rarawai Mill with 12.0°C on the 18<sup>th</sup> and Labasa Airport with 12.5°C on the 19<sup>th</sup>.

## 2. WEATHER PATTERNS

The weather in August was dominated by broad southeast Trade winds, a frontal system and troughs of low pressure.

For the first 10 days, a broad southeast wind flow dominated over Fiji with fine weather and cool nights prevailing, apart from brief Trade showers over the interior and eastern parts of the country.

A weak trough of low pressure affected the group with isolated showers from 11<sup>th</sup> to 12<sup>th</sup>. Following the passage of this trough, fine weather prevailed in most parts of the country with brief Trade showers over the interior and eastern parts on the 13<sup>th</sup>.

Another trough of low pressure moved over the group from the north and a frontal system approached the country from the west on the 15<sup>th</sup>. With the situation of frontal system over the group and a pre-frontal-trough ahead of it, a deep, cool southerly wind flow followed behind these two features, thus lowering the freezing level in the cumulonimbus clouds and producing hailstorm in Rakiraki and nearby

islands in the Lomaiviti Group. The trough and the frontal system moved east overnight on the 16<sup>th</sup> and broad southeast wind flow dominated over Fiji with fine weather and cool nights prevailing apart from brief trade showers over the interior and eastern parts.

From 20<sup>th</sup> to 25<sup>th</sup>, weak troughs of low-pressure affected parts of the group with cloud and showers before weakening and moving eastwards. Towards the end of the month, fine weather prevailed over most parts of the country apart from brief Trade showers over the interior and eastern parts.

Rotuma's weather was largely influenced by the South Pacific Convergence Zone producing rain and showers on most of the days.

### 3. RAINFALL

The rainfall pattern varied across the country during August 2017 with *drier than normal* conditions experienced in some parts, while *normal to wetter than normal* conditions were recorded in others.

Out of the 24 rainfall monitoring stations, 8 registered *below average* rainfall during the month, 10 *average*, 5 *above average*, while Yasawa-i-Rara recorded *well above average* rainfall (Table 2 & Figures 1-5).

August saw two notable rainfall episode (14<sup>th</sup> to 16<sup>th</sup> and 20<sup>th</sup> to 24<sup>th</sup>) associated with the passage of the low pressure systems over the Fiji Group. These rainfall events provided temporary relief from the dry conditions in the Western Division. However, the rainfall received was not enough to overcome the rainfall deficiencies that has been accumulated since April 2017. Consequently, majority of the locations in the Western Division continued to be in meteorological drought state as at end of August 2017.

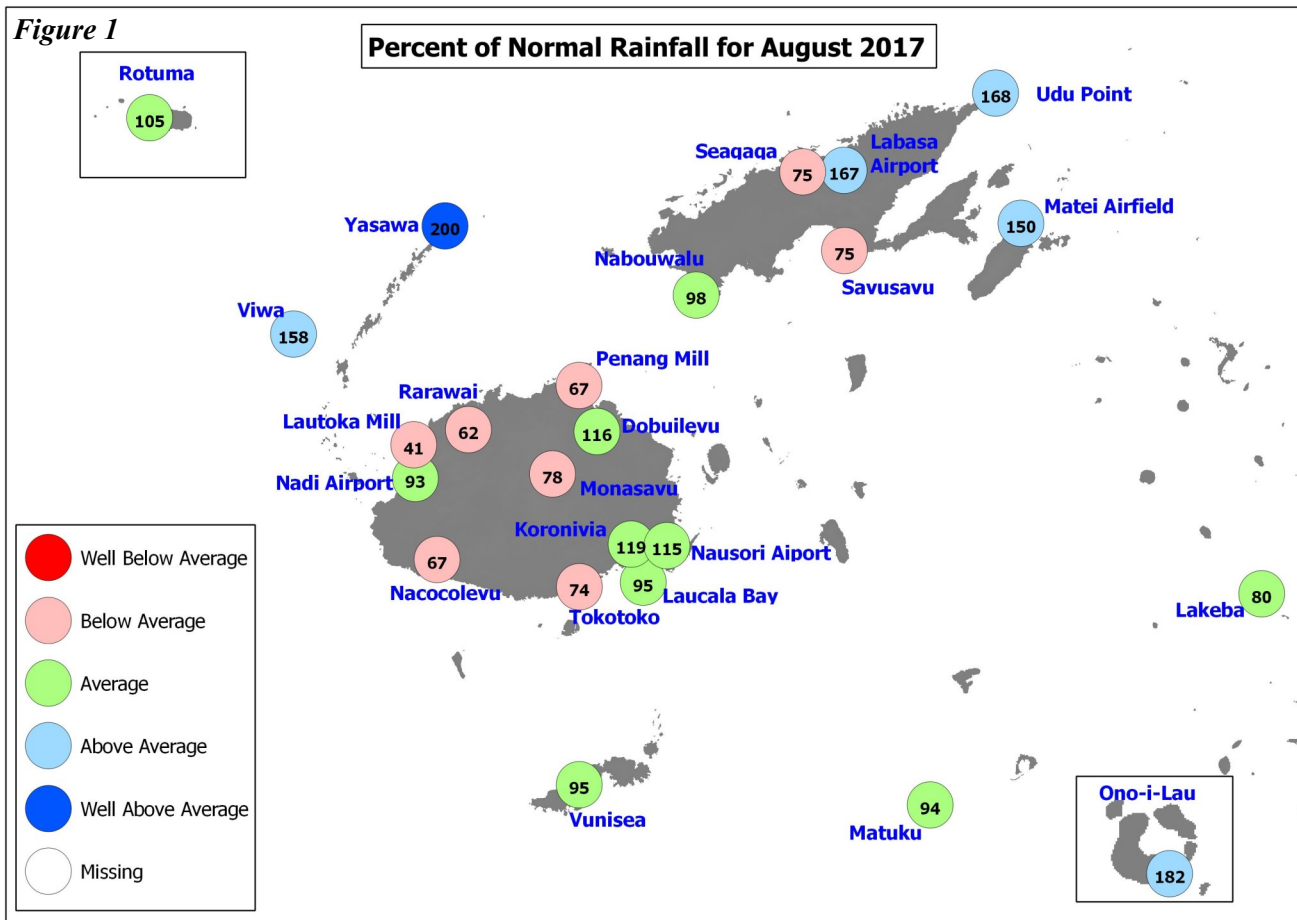
The highest total monthly rainfall of 242.5mm was recorded at RKS, followed by Rotuma with 220.8mm, Ono-i-Lau with 214.4mm, Monasavu with 203.7mm and Lomaivuna with 200.0mm.

On the other hand, Lautoka Mill was the driest station with total monthly rainfall of 28.7mm followed by Yaqara and Momi with both 37.5mm and Tavua with 38.0mm.

The highest 24 hour rainfall of 116.0mm was recorded at Rotuma on the 14<sup>th</sup>, followed by Koronivia with 109.8mm on the 24<sup>th</sup>, Matei Airfield with 106.7mm on the 23<sup>rd</sup>.

Monasavu recorded the highest number of rain days (rainfall ≥ 0.1mm) with 26 days, followed by Lomaivuna with 23, Suva, Rotuma, Koronivia and Matei with all 21, and Nausori and Navua with both 20. In contrast, least number of rain days was experienced at Yaqara with 4 days, followed by Labasa Airport and Rarawai with both 5, and Lautoka and Momi with both 6.

No new rainfall record was established during August 2017.



**Normal:** Long term average from 1971 to 2000  
**Well Below Average:** Rainfall less than 40% of normal  
**Below Average:** Rainfall between 40 to 79%  
**Rain Day:** Rainfall ≥ 0.1mm

**Average:** Rainfall between 80 to 119%  
**Above Average:** Rainfall between 120 to 199%  
**Well Above Average:** Rainfall greater than or equal to 200% of normal

## 4. AIR TEMPERATURES

### A. Maximum Daytime Air Temperatures

The maximum air temperatures were generally *above normal* over the country during the month, with 17 out of the 21 stations recording anomalies  $\geq 0.5^{\circ}\text{C}$ , while 4 sites recorded anomalies within  $\pm 0.5^{\circ}\text{C}$  (Table 2 & Figures 2-5).

The warmest days on average was experienced at Rarawai Mill and Yaqara with both  $30.7^{\circ}\text{C}$ , followed by Labasa Airport with  $30.5^{\circ}\text{C}$ , and Keiyasi and Rotuma with both  $30.1^{\circ}\text{C}$ . On the other hand, Monasavu recorded the coolest maximum temperature on average of  $22.2^{\circ}\text{C}$ , followed by Nadarivatu with  $23.0^{\circ}\text{C}$  and Ono-i-Lau with  $25.9^{\circ}\text{C}$ .

A notable period of hot daytime condition was experienced during the last week of August from the 26<sup>th</sup> to the 31<sup>st</sup> with majority of the observing stations recording their highest daily maximum temperature for the month during this period. The highest of this was recorded at Rarawai Mill with  $34.6^{\circ}\text{C}$  on the 30<sup>th</sup>, followed by Keiyasi with  $34.2^{\circ}\text{C}$  on 27<sup>th</sup>, Nacocolevu with  $33.5^{\circ}\text{C}$  on the 29<sup>th</sup> and Yaqara with  $33.4^{\circ}\text{C}$  on the 31<sup>st</sup>. Consequently, a new daily high maximum temperature record for August was established at Vunisea and a new high mean monthly maximum temperature record was established at Matei Airfield (Table 1).

On the other hand, most of the stations recorded their lowest daily maximum between 16<sup>th</sup> to 21<sup>st</sup>. Monasavu recorded the lowest daytime temperature of  $18.4^{\circ}\text{C}$  on the 7<sup>th</sup>, followed by Nadarivatu with  $20.1^{\circ}\text{C}$  on the 7<sup>th</sup> and Vunisea with  $22.9^{\circ}\text{C}$  on the 16<sup>th</sup>.

Majority of the stations recorded positive mean monthly maximum temperature departure from the *normal*, with Nabouwalu, Penang Mill, Matei Airfield and Vunisea all recording highest anomaly of  $+1.3^{\circ}\text{C}$ . On the other hand, Navua and Udu Point were the only stations to record negative anomalies with  $-0.4^{\circ}\text{C}$  and  $-0.1^{\circ}\text{C}$ , respectively.

### B. Minimum Night-time Air Temperatures

The minimum air temperatures were *above normal* over most parts of Fiji, with 16 out of 21 sites registering anomalies of  $\geq 0.5^{\circ}\text{C}$  and 5 within  $\pm 0.5^{\circ}\text{C}$  (Table 2 & Figures 2-5).

The coolest nights on average was experienced at Nadarivatu with  $15.0^{\circ}\text{C}$ , followed by Monasavu with  $16.3^{\circ}\text{C}$ , Keiyasi with  $17.5^{\circ}\text{C}$  and Rarawai Mill with  $18.0^{\circ}\text{C}$ . On the other hand, Rotuma registered warmest nights on average with  $25.3^{\circ}\text{C}$ , followed by Udu Point with  $22.8^{\circ}\text{C}$  and Viwa with  $22.7^{\circ}\text{C}$ .

Significantly cool conditions were experienced at night on occasions, especially between 17<sup>th</sup> to 19<sup>th</sup>, with the lowest daily night-time temperature of  $8.6^{\circ}\text{C}$  recorded at Nadarivatu on the 18<sup>th</sup>, followed by Keiyasi with  $11.1^{\circ}\text{C}$  on the 18<sup>th</sup>, Rarawai Mill with  $12.0^{\circ}\text{C}$  on the 18<sup>th</sup> and Labasa Airport with  $12.5^{\circ}\text{C}$  on the 19<sup>th</sup>. On the other hand, the warmest night was at Rotuma with  $26.7^{\circ}\text{C}$  on the 26<sup>th</sup>, followed by Viwa and Matuku with both  $25.6^{\circ}\text{C}$  on 30<sup>th</sup> and 27<sup>th</sup>, respectively.

The greatest positive mean monthly night-time air temperature departure from the *normal* of  $+1.6^{\circ}\text{C}$  was recorded at Navua, followed by  $+1.3^{\circ}\text{C}$  at Rotuma. On the other hand, Labasa Airport was the lone site that registered negative anomaly ( $-0.3^{\circ}\text{C}$ ).

A new daily high and a new mean monthly minimum temperature records for August were established at Matuku and Rotuma, respectively, during the month (Table 1).

**TABLE 1. CLIMATE RECORDS ESTABLISHED IN AUGUST 2017**

<u>Element</u>	<u>Station</u>	<u>Observed (record)</u>	<u>On</u>	<u>Rank</u>	<u>Previous (record)</u>	<u>Year</u>	<u>Records Began</u>
Mean Monthly Maximum Temperature	Matei Airfield	$28.4^{\circ}\text{C}$	-	New High	$28.3^{\circ}\text{C}$	2007	1956
Daily Maximum Temperature	Vunisea	$30.8^{\circ}\text{C}$	29 <sup>th</sup>	New High	$30.7^{\circ}\text{C}$	19852	1947
Mean Monthly Minimum Temperature	Rotuma	$25.3^{\circ}\text{C}$	-	New High	$25.2^{\circ}\text{C}$	2012	1933
Daily Minimum Temperature	Matuku	$25.6^{\circ}\text{C}$	27 <sup>th</sup>	New High	$25.3^{\circ}\text{C}$	2008	1955

*Note: All comparisons in this summary are with respect to "Climatic Normals". This is defined to be the average climate condition over a 30-year period. Fiji uses 1971-2000 period as its "climatic normal" period, unless otherwise stated.*

**TABLE 2. DAILY CLIMATE REPORTING SITES: SUMMARY FOR AUGUST 2017**

	RAINFALL					AIR TEMPERATURES								SUNSHINE	
	TOTAL	RAIN	MAX.	FALL		AVERAGE DAILY				EXTREME				TOTAL	*
	MM	%	+	MM	ON	MAX.	#	MIN.	#	MAX.	ON	MIN.	ON	HRS	%
						C	C	C	C	C	ON	C	ON		
NADI AIRPORT	61	93	7	27	20	29.0	0.3	19.8	1.2	32.4	29	13.6	18	219	95
SUVA/LAUCALA BAY	150	95	21	63	24	26.9	0.2	21.6	0.9	29.6	31	18.8	4	148	103
NACOCOLEVU	57	67	10	23	20	28.7	1.2	18.7	0.8	33.5	29	13.9	18	192	104
ROTUMA	221	105	21	116	14	30.1	1.0	25.3	1.3	31.5	28	22.5	15	175	84
VIWA	94	158	10	47	14	28.8	1.0	22.7	0.3	30.1	28	19.5	4		
UDU POINT	142	168	13	56	23	28.0	-0.1	22.8	0.6	31.0	29	17.9	17		
SAVUSAVU AIRFIELD	87	75	8	44	21	27.8	0.7	21.6	0.8	32.0	29	17.1	18		
LABASA AIRPORT	80	167	5	40	23	30.5	1.1	18.4	-0.3	32.5	21	12.5	19		
<b>NABOUWALU</b>	<b>103</b>	<b>98</b>	<b>16</b>	<b>48</b>	<b>23</b>	<b>27.6</b>	<b>1.3</b>	<b>22.2</b>	<b>0.6</b>	<b>29.6</b>	<b>28</b>	<b>18.9</b>	<b>6</b>		
KORONIVIA	193	119	21	110	24	27.0	0.6	20.3	1.0	29.4	27	14.8	18		
NAUSORI AIRPORT	169	115	20	95	24	27.0	0.8	20.3	0.7	29.5	26	14.5	19		
NAVUA/TOKOTOKO	150	74	20	30	23	26.5	-0.4	19.7	1.6	30.0	31	15.0	19		
MONASAVU	204	78	26	33	24	22.2	0.9	16.3	0.7	25.3	30	12.6	17		
LAUTOKA AES	29	41	6	9	24	29.5	1.2	20.6	0.6	32.0	30	15.5	18		
BA/RARAWAI MILL	40	62	5	19	14	30.7	0.9	18.1	0.7	34.6	30	12.0	18		
PENANG MILL	49	67	12	22	16	28.7	1.3	21.0	0.3	30.7	27	15.5	4		
MATEI AIRFIELD	187	150	21	107	23	28.4	1.3	22.4	0.7	29.5	20	19.1	18		
VANUABALAVU	STATION TEMPORARILY CLOSED														
LAKEBA	82	80	16	35	23	27.4	1.0	21.1	0.1	29.1	29	17.8	18		
LEVUKA	AWS U/S														
<b>VUNISEA</b>	<b>123</b>	<b>95</b>	<b>19</b>	<b>41</b>	<b>24</b>	<b>27.1</b>	<b>1.3</b>	<b>20.4</b>	<b>1.0</b>	<b>30.8</b>	<b>29</b>	<b>16.4</b>	<b>19</b>		
MATUKU	104	94	18	19	14	26.4	0.6	21.1	0.6	28.8	24	16.5	17		
ONO-I-LAU	214	182	14	57	24	25.9	1.0	20.1	0.1	28.6	11	17.5	9		
SEAQAQA	42	75	8	14	14										
YASAWA-I-RARA	127	200	10	88	21										
DOBUILEVU	94	116	17	37	14										

	TEMPERATURE ( C)				HUMIDITY	WIND	SUN RAD	
	MEAN	DRY	WET	( C)			RH% VP	%OF MJ/
		(AVERAGE	AT 9AM)		KT			
NADI AIRPORT	24.4	25.0	21.2	70	22.2	6.0	64 14.8	
SUVA/LAUCALA BAY	24.2	24.8	22.6	82	25.7		44 14.4\$	
NACOCOLEVU	23.7	24.3	21.4	77	23.4		56 16.1\$	
ROTUMA	27.7	27.9	25.1	80	29.8		50 16.5\$	
VIWA	25.8	26.6	23.4	76	26.4	6		
UDU POINT	25.4	25.9	23.6	82	27.5			
SAVUSAVU AIRFIELD	24.7	25.0	22.5	80	25.5			
LABASA AIRPORT	24.5	26.5	22.6	71	24.6			
<b>NABOUWALU</b>	<b>24.9</b>	<b>25.7</b>	<b>22.8</b>	<b>77</b>	<b>25.5</b>			
KORONIVIA	23.7	24.4	21.9	80	24.5			
NAUSORI AIRPORT	23.6	24.0	21.8	82	24.6	3.8		
NAVUA/TOKOTOKO	23.1	23.3	21.7	86	24.8			
MONASAVU	19.2	18.8	17.5	88	19.1			
LAUTOKA AES	25.1	26.2	21.8	67	22.8			
BA/RARAWAI MILL	24.4	25.6	21.7	70	22.9			
PENANG MILL	24.8	25.0	22.1	77	24.5			
MATEI AIRFIELD	25.4	26.3	23.0	75	25.7			
VANUABALAVU	STATION TEMPORARILY CLOSED							
LAKEBA	24.2	25.3	22.5	78	25.1			
LEVUKA	AWS U/S							
<b>VUNISEA</b>	<b>23.8</b>	<b>23.7</b>	<b>21.5</b>	<b>82</b>	<b>24.1</b>			
MATUKU	23.7	24.3	21.4	76	23.3			
ONO-I-LAU	23.0	24.1	20.8	73	22.1			

MEAN TEMPERATURE IS (MAX+MIN)/2; WIND IS MEAN SPEED AT 06,12,18,24 HOURS.  
 \$ :SOLAR RADIATION CALCULATED FROM SUNSHINE DURATION. # :DEPARTURE FROM LONG-TERM AVERAGES (1971-2000). + :NUMBER OF DAYS WITH 0.1 MM OR MORE RAIN.  
 \* :PERCENT OF LONG-TERM AVERAGES. **BLUE FONT: MISSING RECORDS OF LESS THAN OR EQUAL TO 5 DAYS.**

Figure 2

**Nadi Airport - Temperature & Rainfall for the last 13 Months  
(August, 2016 - August, 2017)**

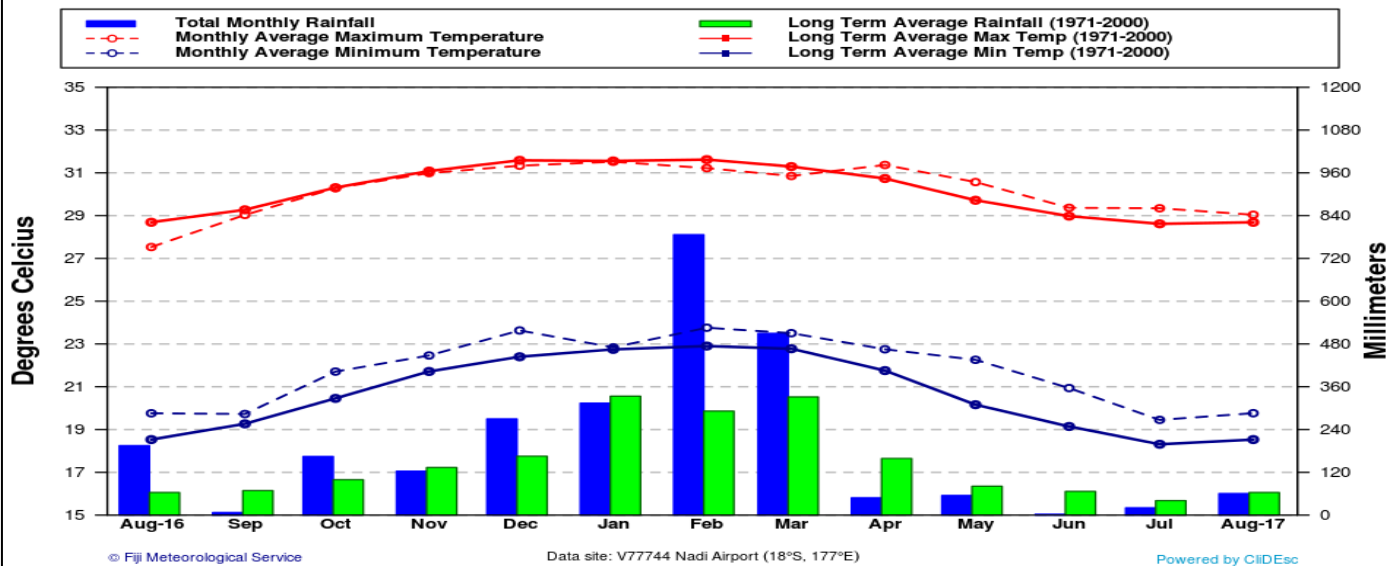


Figure 3

**Laucala Bay - Temperature & Rainfall for the last 13 Months  
(August, 2016 - August, 2017)**

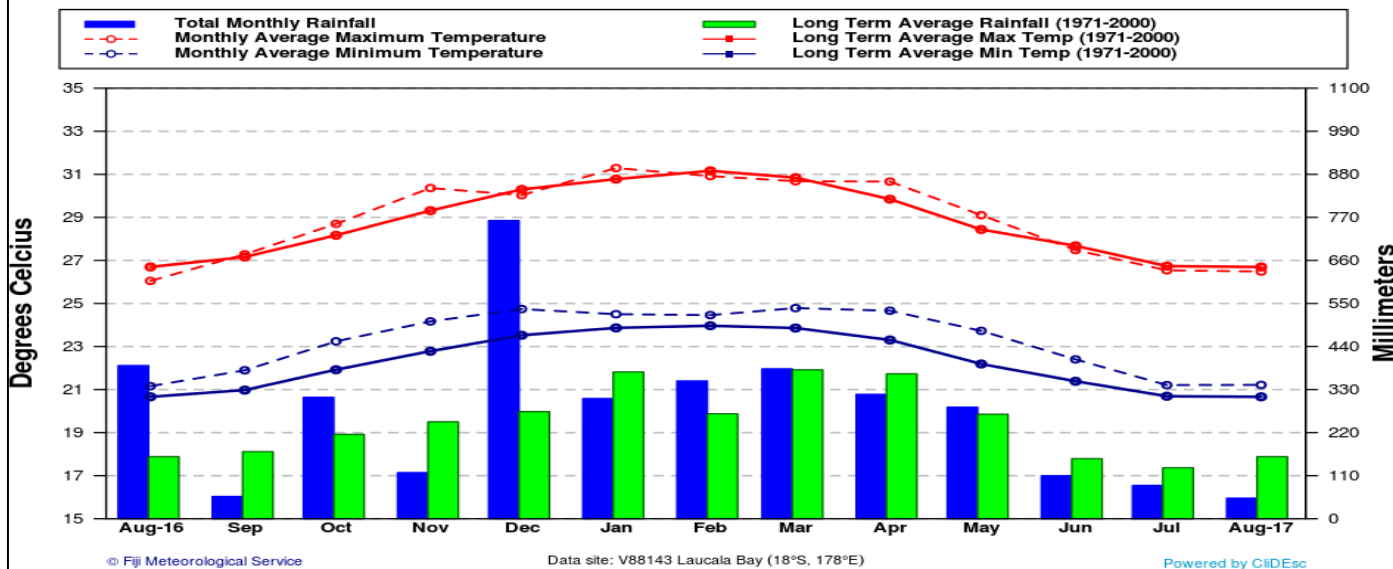


Figure 4

**Labasa Airfield - Temperature & Rainfall for the last 13 Months  
(August, 2016 - August, 2017)**

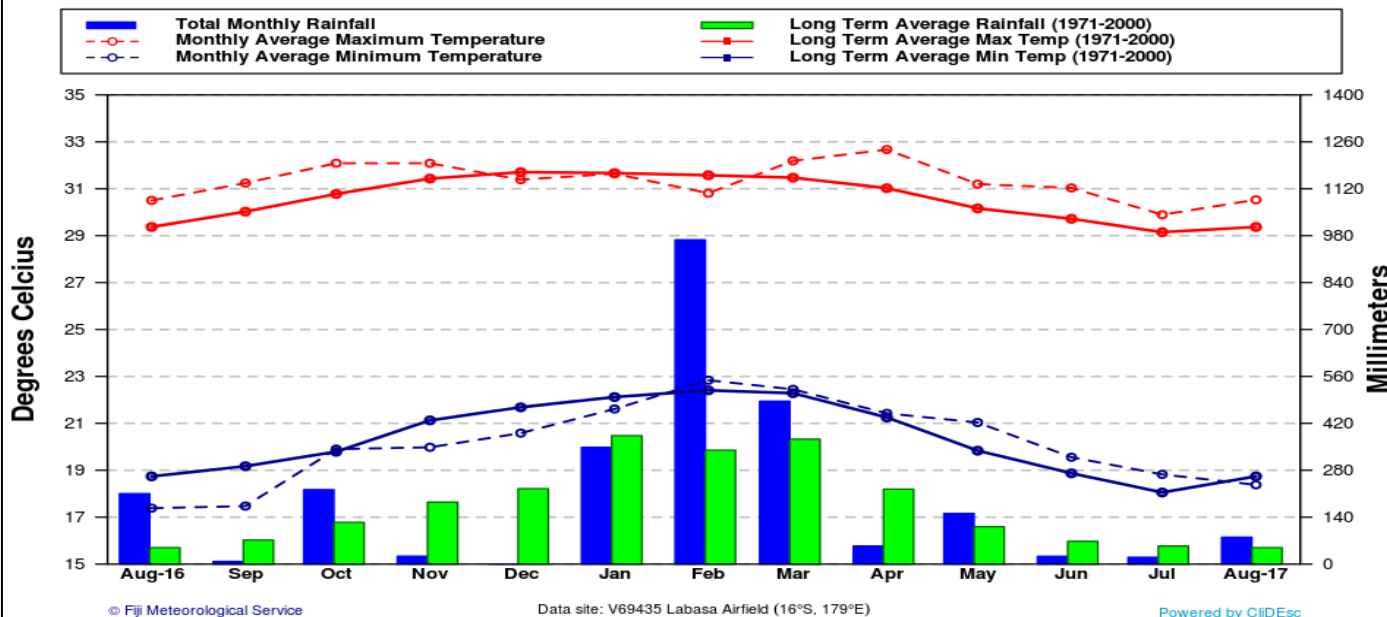
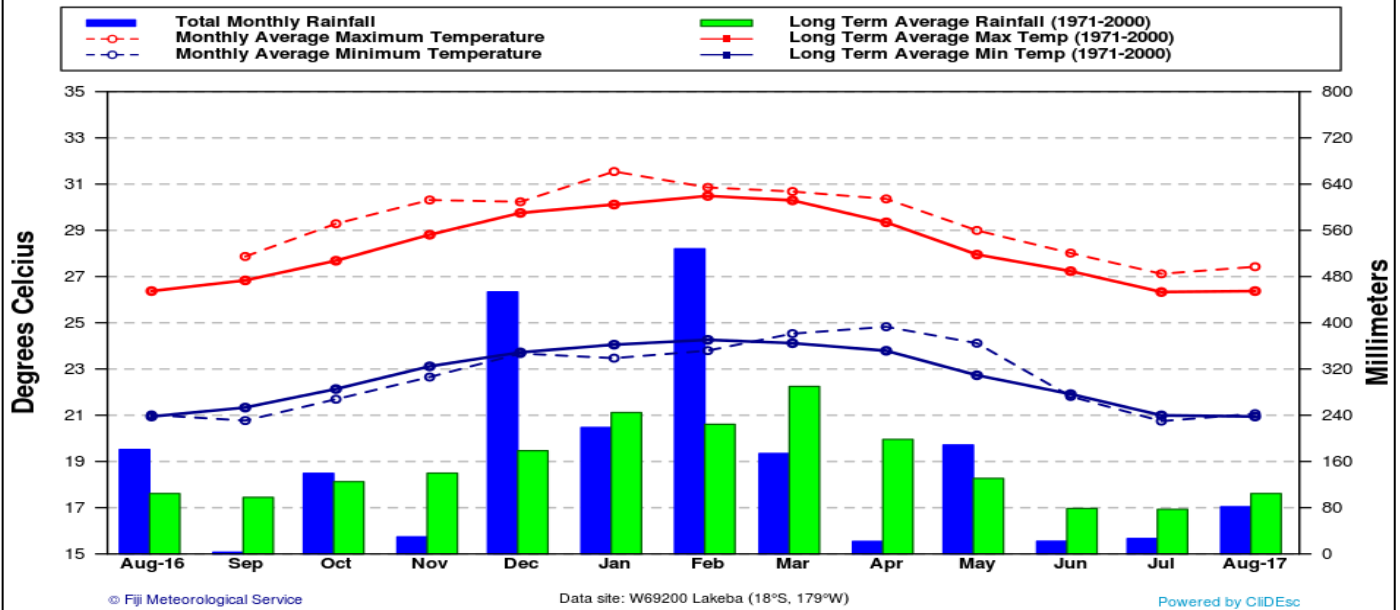




Figure 5

Lakeba - Temperature & Rainfall for the last 13 Months  
(August, 2016 - August, 2017)



6. RELATIVE HUMIDITY AT 0900HOURS

The 9am average relative humidity (RH) ranged from 67% to 88% during the month (Table 2).

The monthly average RH in the **Western Division** ranged between 67% and 88%, while the daily values were between 49% to 98%. The mean monthly RH anomalies were generally *near normal*, with anomalies ranging with  $\pm 5\%$ . The highest departure from the *normal* of  $-5\%$  was recorded at Penang Mill, followed by  $-3\%$  at Rarawai Mill, Lautoka Mill and Nacocolevu, while Nadi Airport and Viwa recorded anomaly of  $+1\%$ .

The monthly average RH in the **Central Division** ranged between 80% and 84%, with the daily values between 53% to 100%. The mean monthly RH anomalies from the *normal* were within  $\pm 2\%$ . Laucala Bay and Navua recorded positive anomaly of  $+2\%$ , while Nausori Airport registered  $+1\%$ . On the other hand, Koronivia recorded negative anomaly of  $-2\%$ .

The monthly average RH in the **Northern Division** ranged from 75% to 82%, with daily values from 47% to 97%. Significant negative mean monthly RH anomaly from the *normal* of  $-7\%$  was recorded at Matei, while the most notable positive anomaly of  $+6\%$  was recorded at Udu Point.

The mean monthly RH in the **Eastern Division** ranged from 73% to 82%, with the daily values between 45% to 98%. Vunisea recorded greatest mean monthly RH anomaly from the *normal* of  $+5\%$ , followed by Lakeba with  $+3\%$  and Matuku with  $+2\%$ . On the other hand, Ono-i-Lau registered negative anomaly of  $-1\%$ .

The mean monthly RH at **Rotuma** was 89%, with an anomaly of  $+1\%$ .

7. SUNSHINE

Nacocolevu, Laucala Bay, Nadi Airport, and Rotuma recorded 104%, 103%, 95% and 84% of the *normal* bright sunshine hours during the month, respectively (Table 2).

Nadi Airport recorded 219.1 hours of total bright sunshine, with a mean of 7.1 hours/day. The station recorded more than 10 hours of bright sunshine on a number of occasions with the longest hours of bright sunshine of 11.0 hours recorded on 17<sup>th</sup> and 18<sup>th</sup>. On the other hand, the shortest duration of bright sunshine of 0.1 hours (6 minutes) was registered on the 16<sup>th</sup> and 21<sup>st</sup>.

Laucala Bay recorded 148.4 hours of total monthly bright sunshine, with a mean of 4.8 hours/day. The longest duration of bright sunshine of 10.3 hours was recorded on the 26<sup>th</sup>. In contrast, cloudy and overcast conditions were experienced from the 22<sup>nd</sup> to 24<sup>th</sup>, with no bright sunshine observed.

The total monthly bright sunshine at Nacocolevu was 192.0 hours, with a daily mean of 6.2 hours. The station's highest daily bright sunshine of 10.5 hours was on the 29<sup>th</sup>, followed by 10.3 hours on 1<sup>st</sup> and 19<sup>th</sup>. On the other hand, the shortest duration of bright sunshine was recorded on 21<sup>st</sup> with 0.2 hours (12 minutes).

Rotuma recorded 175.1 hours of the total monthly bright sunshine, with a mean of 5.6 hours/day. The longest duration of bright sunshine of 10.3 hours was recorded on the 6<sup>th</sup>, followed by 10.0 hours on the 7<sup>th</sup>. On the other hand, the shortest duration of bright sunshine was recorded on 15<sup>th</sup>, 17<sup>th</sup> and 22<sup>nd</sup> with 0.5 hours each day (30 minutes).

## 8. WIND SUMMARY

The 10-minute average wind statistics recorded every three hours at Nadi Airport during August 2017 showed that winds from east were predominant, accounting for 37.1% of the total observations, followed by south-easterly with 15.1% and north-easterly with 11.1% (Figure 6(a)). Calm condition was recorded on 6.9% of the occasions. Otherwise, wind speeds were *light* to *moderate* in strength (Figure 6a & 6b).

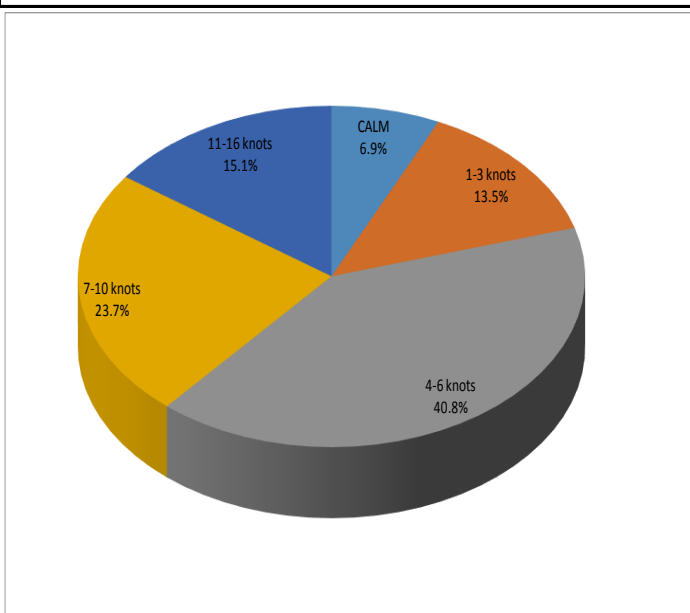
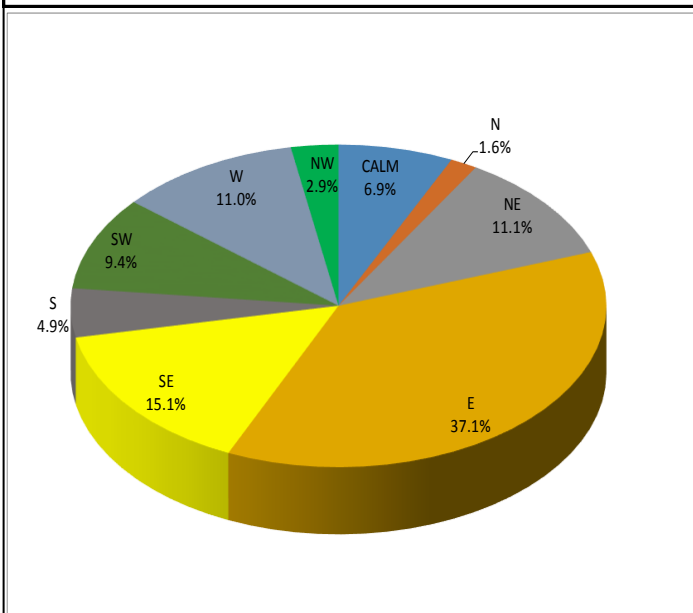
The wind anomalies map on the NOAA (USA) website show persistence of near normal winds in the Fiji region (Figure 13).

At Nausori Airport, south-easterly winds were predominant with 25.6% of the observations, followed by easterly with 12.6%. Calm condition accounted for 44.7% of the total three hourly observations. The wind speeds were *light* to *moderate* in strength (Figure 7a & 7b).

*Note:*  
 light air: 1-3 knots, light breeze: 4-6 knots, gentle breeze: 7-10 knots,  
 moderate breeze: 11-16 knots, fresh breeze: 17-21 knots, strong breeze: 22-27 knots,  
 near gale: 28-33 knots; gale: 34-40 knots; strong gale: 41-47 knots

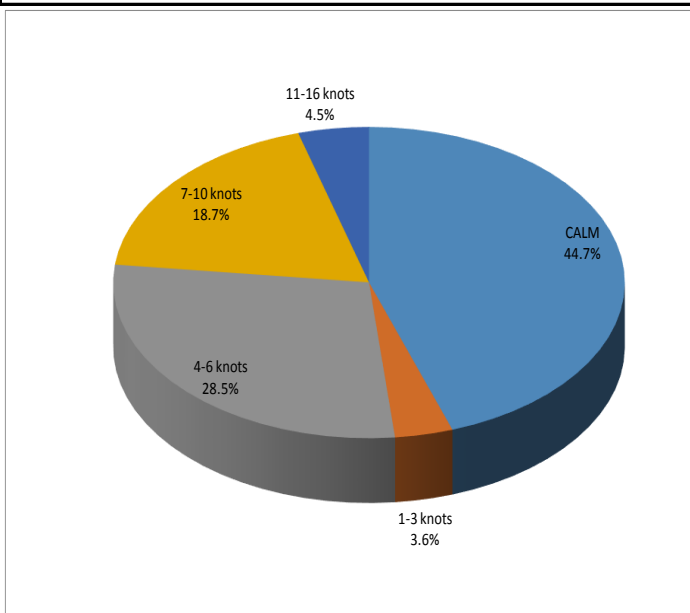
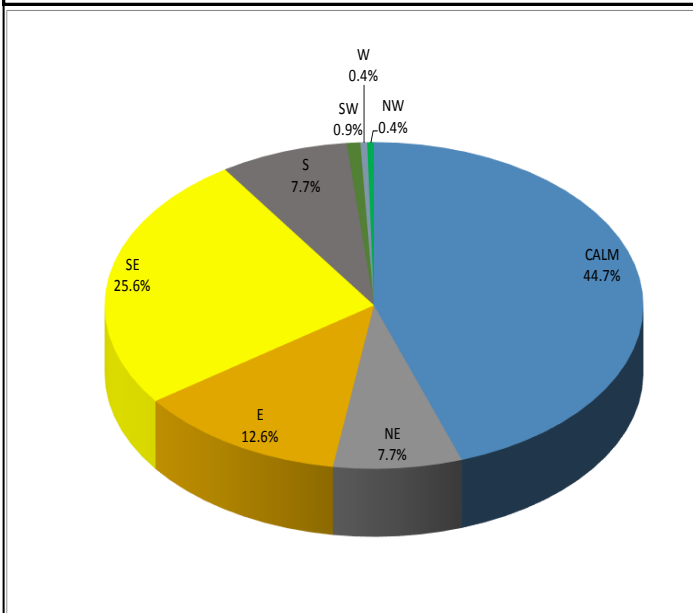
**Figure 6(a) Surface Wind Direction for Nadi Airport, Fiji. (WMO 91680 Lat 17° 45'35"South Long 177° 26'42"East Height above MSL 22m)**

**Figure 6(b) Surface Wind Speed for Nadi Airport, Fiji. (WMO 91680 Lat 17° 45'35"South Long 177° 26'42"East Height above MSL 22m)**



**Figure 7(a) Surface Wind Direction for Nausori Airport, Fiji. (WMO 91683 Lat 18° 02'47"South Long 178° 33'33"East Height above MSL 3m)**

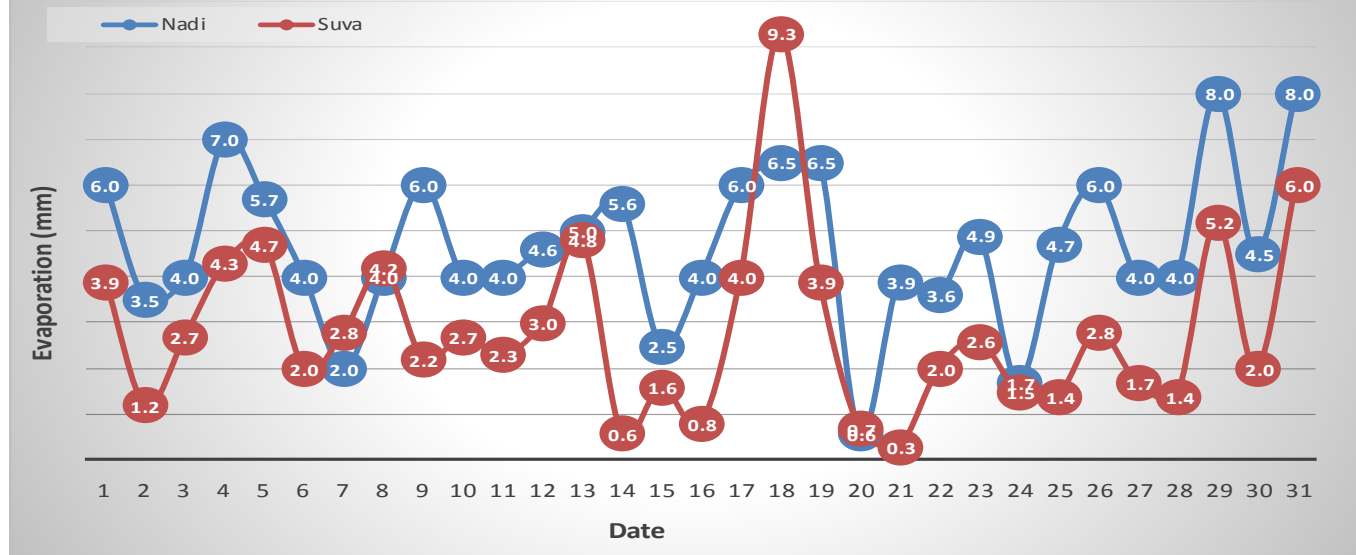
**Figure 7(b) Surface Wind Speed for Nausori Airport, Fiji. (WMO 91683 Lat 18° 02'47"South Long 178° 33'33"East Height above MSL 3m)**



### 9. EVAPORATION

Figure 8

Daily Evaporation for August 2017



The total monthly raised pan evaporation at Nadi Airport during August 2017 was 144.8mm while Laucala Bay recorded 88.6mm. Nadi Airport recorded the highest daily evaporation of 8.0mm on the 31<sup>st</sup>, while Laucala Bay registered the highest of 9.3mm on the 18<sup>th</sup> (Figure 8).

### 10. RADIATION

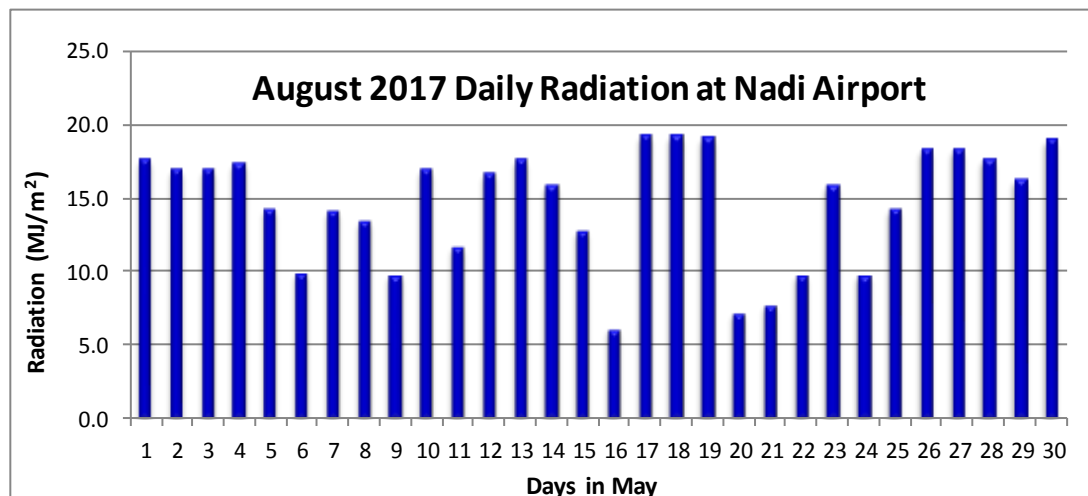


Figure 9:

The mean daily solar radiation at Nadi Airport during August 2017 was 14.8MJ/m<sup>2</sup>, compared to 16.8MJ/m<sup>2</sup> over 30 year average (1971-2000).

### 11. SEA SURFACE TEMPERATURE (SST)

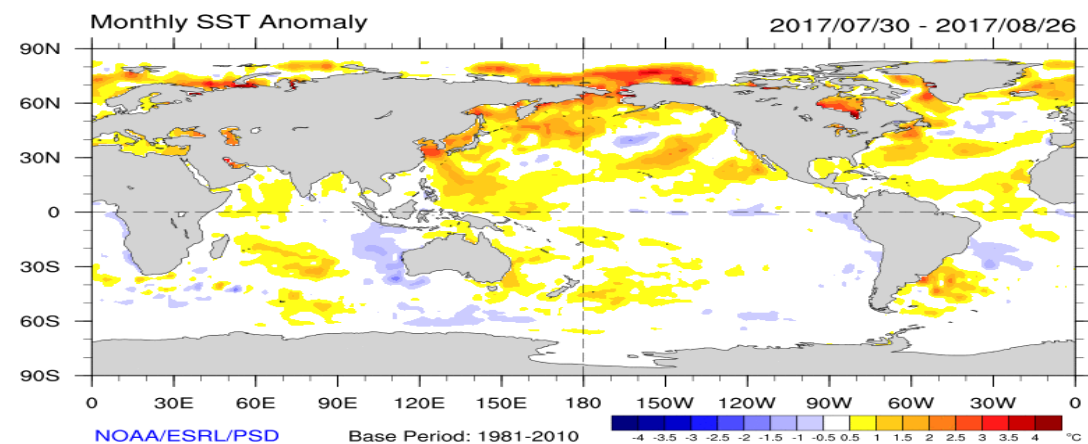


Figure 10:

SSTs were near normal in most of the Fiji region during August 2017 (base period: 1981-2010).

<http://www.esrl.noaa.gov/psd/map/clim/sst.shtml>

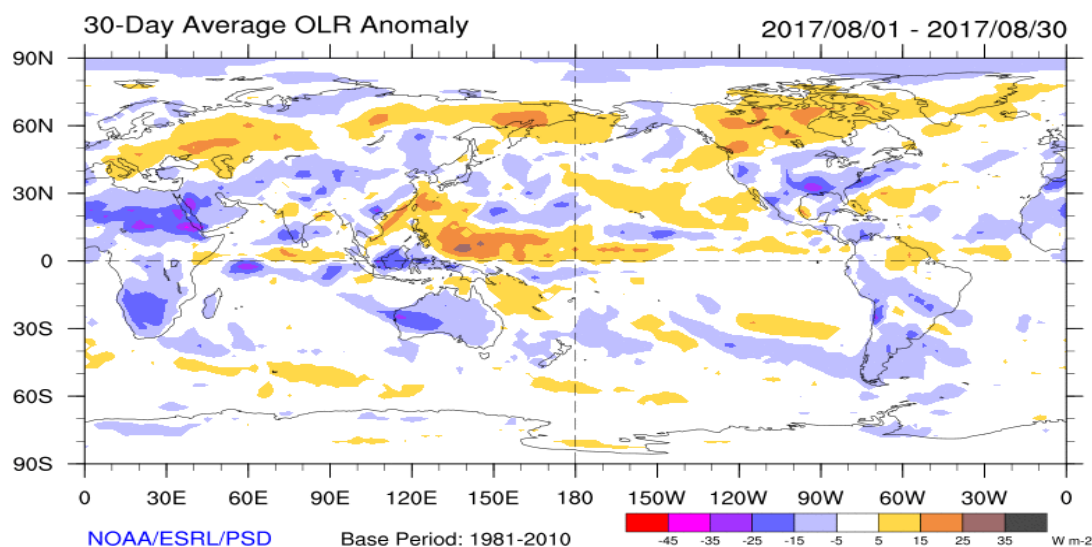


## 12. CLOUD COVER

**Figure 11:**

OLR anomalies indicate presence of *normal* cloud cover in the Fiji region (Fiji: ~17°S, 180°) (base period: 1981-2010).

Source: <http://www.esrl.noaa.gov/psd/map/clim/olr.shtml>

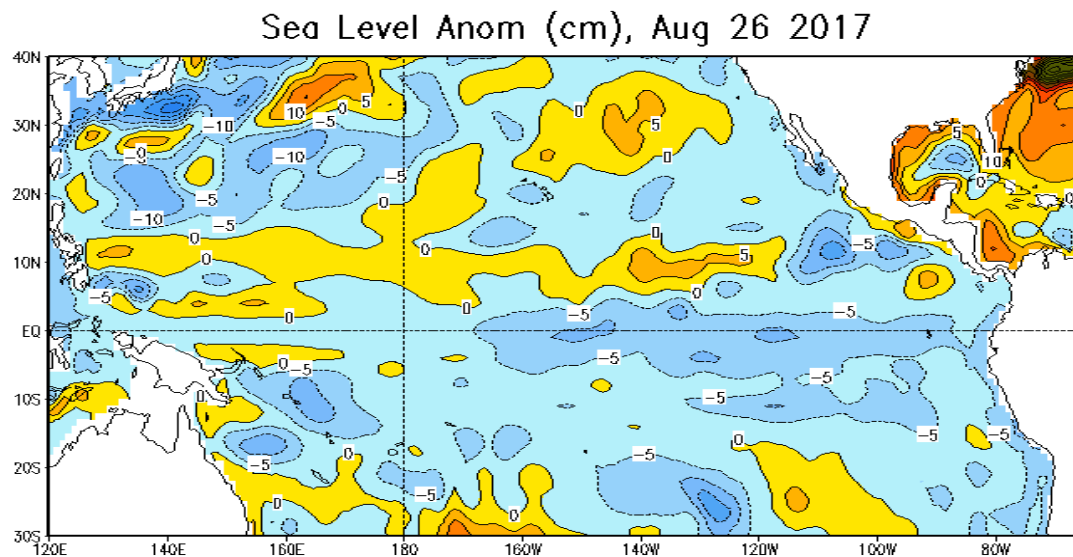


## 13. SEA LEVEL

**Figure 12:**

Sea level anomalies of 0 to -5cm persisted in the Fiji Waters during August 2017 (base period: 1981-2010).

Source: [http://www.cpc.ncep.noaa.gov/products/analysis\\_monitoring/ocean/weeklyenso\\_clim\\_81-10/wksl\\_anm.gif](http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/ocean/weeklyenso_clim_81-10/wksl_anm.gif)



## 14. WIND ANOMALIES

**Figure 13:**

Reanalysis data show presence of near normal wind anomalies in the Fiji region during August 2017 (Fiji: ~17°S, 180°) (base period: 1981-2010).

Source: [http://www.esrl.noaa.gov/psd/map/images/rnl/sfcwnd\\_31a.rnl.gif](http://www.esrl.noaa.gov/psd/map/images/rnl/sfcwnd_31a.rnl.gif)

