



# CLIMATE OUTLOOK

## TUVALU METEOROLOGICAL SERVICES

### MINISTRY OF COMMUNICATION & TRANSPORT

#### SEPTEMBER 2018



## EL NINO SOUTHERN OSCILLATION (ENSO) UPDATES

El Nino still possible for last quarter of 2018, which means we are still at El Nino WATCH, meaning there is approximately a 50% chance of El Nino forming in the coming months. The central and eastern tropical Pacific Ocean is still warmer than average, with greatest warmth in the central to western Pacific. Trade winds are slightly weaker over parts of western Pacific,

the weakness in trade winds is one of the important precursors for any possible El Nino. Most international climate models indicate that the tropical Pacific is likely to warm to El Nino thresholds by the end of this year. During El Nino we will get above normal rainfall.



## RAINFALL OUTLOOK

The Seasonal Climate Outlooks in Pacific Island Countries (SCOPIC) prediction tools based on statistical data.

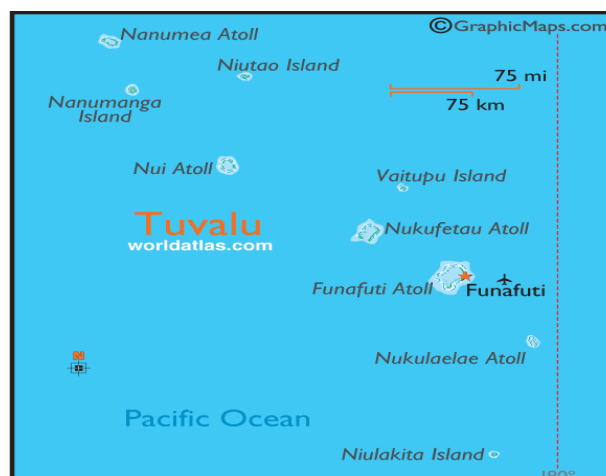
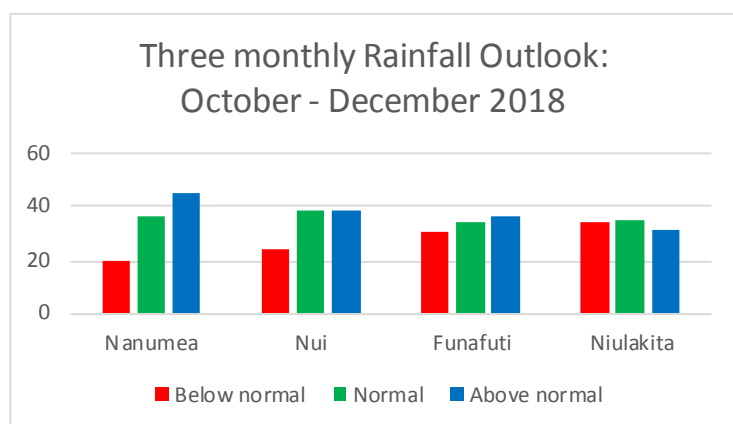
The models predict **above normal to normal** rainfall for **October 2018 to December 2018** period at Nanumea, Equal likelihood of above normal to normal at Nui and Funafuti. As for Niulakita, equal likelihood of normal to below normal as in (Table 1). The confidence in the predictions generally range from **very high to very low**.

The SCOPIC model rainfall predictions are as follows

- Nanumea** : Above Normal to Normal rainfall (Confidence— Very High)
- Nui** : Chance of Above Normal to Normal rainfall (Confidence— Moderate)
- Funafuti** : Chance of Above Normal to Normal rainfall (Confidence— Very Low)
- Niulakita** : Chances of Normal to Below Normal (Confidence— Very Low)

**TABLE 1: THE NEXT THREE MONTHS: OCTOBER 2018 TO DECEMBER 2018 RAINFALL**

Stations	Below Normal	33%	Normal	67%	Above Normal
	(%)	(mm)	(%)	(mm)	(%)
Nanumea	19	538.3	36	755.0	45
Nui	24	710.9	38	919.5	38
Funafuti	30	810.0	34	1008.4	36
Niulakita	34	731.7	35	952.5	31



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