Summary: September to November (SON) 2020



The APCC ENSO outlook suggests La Niña conditions (74% probability) with weak intensity for September to November 2020 and the probability for the conditions is likely to decrease to 59% for December 2020 to February 2021

RAINFALL OUTLOOK	Status	COUNTRY (Area)	
		PICASO	
	Above Normal	Cook Is - (Rarotonga), Fiji - (Nabouwalu, Suva, Nadi Airport, Rotuma), FSM - (Yap, Chuuk), Niue - (Hanan Airport), Palau - (Koror), PNG - (Madang, Port Moresby, Nadzab, Misima, Momote, Kavieng), Samoa - (Apia, Lauli'i, Afiamalu), Solomon Is (Taro Is., Munda, Auki, Henderson, Honiara, Kirakira, Santa Cruz), Tonga - (Keppel Mataaho Airport, Nukualofa, Hapai, Niuafoou, Lupepau'u), Tuvalu - (Niulakita), Vanuatu - (Aneityum, White Grass, Port Vila, Bauerfield, Pekoa, Sola, Lamap)	
	Normal	Fiji – (*Ono-i-lau), Kiribati – (Butaritari)	
	Below Normal	Cook Is - (Penrhyn), Fiji – (*Udu Point), Kiribati – (Tarawa, Kanton, Kiritimati), Marshall Is. – (Majuro, Kwajalein), FSM - (Pohnpei), Samoa – (*Faleolo), Tuvalu – (Funafuti, Nui, Nanumea), Nauru,	
		CLIK®	
	Above Normal	Cook Is – (Ratotonga), FSM, Fiji, Marshall Is – (Majuro, Kwajalein), Niue, Palau, PNG – (Nadzab, Madang, Misima, Port Moresby, Momote), Samoa, Solomon Is. – (Honiara, Henderson, Taro Is., Munda, Kirakira, Santa Cruz, Auki), Tonga, Vanuatu – (Aneityum, Pekoa, Sola, Whitegrass, Bauerfield, Lamap, Port Vila, Sola)	
	Normal	Tokelau, Tuvalu – (Niulakita)	
	Below Normal	Cook Is - (Penrhyn), Kiribati, Nauru, PNG – (Kavieng), Tuvalu – (Nui, Nanumea, Funafuti),	

Note: * indicate stations that have equal probability of getting Above normal, Normal and Below normal

	Status	COUNTRY
TEMPERATURE OUTLOOK		CLIK®
	Above Normal	Cook Is, FSM, Fiji, Marshall Is., Nauru, Niue, Palau, PNG, Samoa, Solomon Is., Tonga, Tokelau, Tuvalu, Vanuatu.
	Normal	
	Below Normal	

PICASO Regional Rainfall Forecast

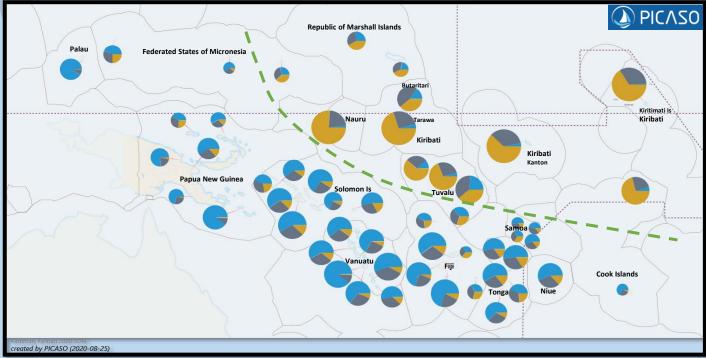
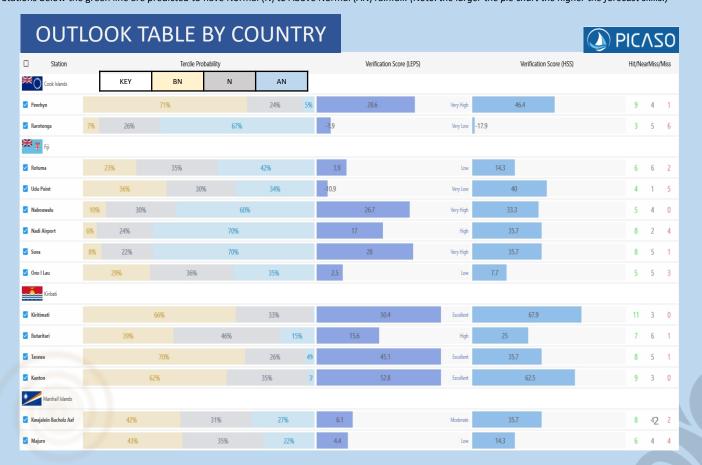


Figure 1: Regional outlook map of the Pacific. In general, all stations above the green line is anticipated to have Normal (N) to Below Normal (BN) rainfall.

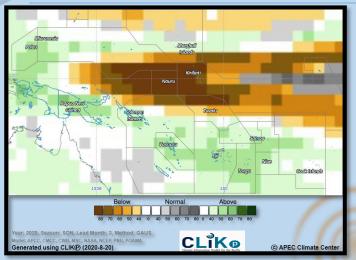
Stations below the green line are predicted to have Normal (N) to Above Normal (AN) rainfall. (Note: the larger the pie chart the higher the forecast skills.)



PICASO Regional Rainfall Forecast



CLIK® Rainfall Forecast



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Figure 1: MME Rainfall Forecast for the Pacific Islands – SON 2020 period

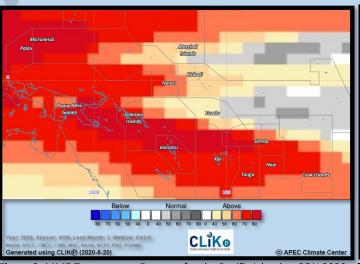
Figure 2: Rainfall Forecast Skill for the Pacific Islands – SON 2020

Country	Rainfall Outlook	Skill
Cook Islands	Below Normal for northern Islands Normal – Above Normal elsewhere	Low - Moderate
FSM	Normal – Above Normal	Low - Moderate
Fiji	Above Normal	Low - Moderate
Kiribati	Below Normal	Moderate - High
Marshall Islands	Normal to Above Normal (central) Below Normal (elsewhere)	Low - Moderate
Nauru	Below Normal	High
Niue	Above Normal	Moderate
Palau	Above Normal	Moderate
PNG	Normal – Above Normal Below Normal (Kavieng)	Low - Moderate
Samoa	Above Normal	Moderate
Solomon Islands	Normal – Above Normal	Low - Moderate
Tonga	Above Normal	Low - Moderate
Tokelau	Normal – Below Normal	Low - Moderate
Tuvalu	Below Normal Normal – Above Normal (Niulakita)	Moderate - High
Vanuatu	Above Normal	Low – Moderate ₄

Table 1: Rainfall Outlook and Skill for the Pacific Islands.

Note: Variation in the skill is due to model agreement and data availability at each location.

CLIK® Rainfall Forecast



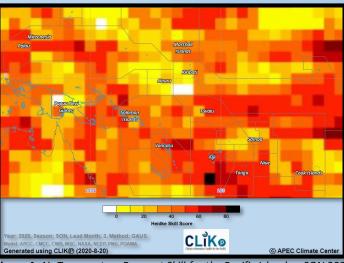


Figure 3: MME Temperature Forecast for the Pacific Islands – SON 2020 Figure 4: Air Temperature Forecast Skill for the Pacific Islands – SON 2020

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Country	Air Temperature Outlook	Skill	
Cook Islands	Above Normal	Low - Moderate	
FSM	Above Normal	Moderate - High	
Fiji	Above Normal	Moderate - High	
Kiribati	Normal to Above Normal	Moderate - High	
Marshall Islands	Above Normal	Low - Moderate	
Nauru	Above Normal	Moderate	
Niue	Above Normal	High	
Palau	Above Normal	Moderate	
PNG	Above Normal	Moderate - High	
Samoa	Above Normal	Low - Moderate	
Solomon Islands	Above Normal	Moderate - High	
Tonga	Above Normal	Moderate - High	
Tokelau	Above Normal	High	
Tuvalu	Above Normal	Moderate - High	
Vanuatu	Above Normal	Moderate - High	

Table 2: Temperature Outlook and Skill for the Pacific Islands.



Important:

This publication is developed from information in PICASO and CLIK®, products of the Republic of Korea-Pacific Islands Climate Prediction Services Project (ROK-PI CliPS).

This resource is compiled to provide dynamical model data to support and complement information generated by Pacific Islands NMHS.

Contact your location Meteorology Service for site specific forecasts.

PICASO

PICASO (Pacific Island Countries Advanced Seasonal Outlook) is a PC-based seasonal prediction tool tailored for the Pacific Island countries jointly developed by APCC and SPREP through the ROK-PI CliPS project.

PICASO produces probabilistic forecasts of the seasonal mean rainfall of the given weather stations by customizing the data from the APCC dynamical seasonal prediction multi-model ensemble.

CLIK®

The rainfall and temperature forecasts are derived from a multi-model ensemble (MME) of all available Dynamical Models that are provided by WMO Global Producing Centers (GPCs) available on the Climate Services Toolkit for the Pacific (CLIK Pacific or CLIK®).

CLIK® is a product of the Republic of Korea-Pacific Islands Climate Prediction Services Project (ROK-PI CliPS).

Visit the CLIK® Online Climate Prediction System: clikp.sprep.org

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