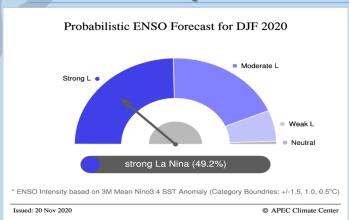
Summary: December 2020 to February 2021 (DJF)



The APCC ENSO outlook suggests strong La Niña (~49% probability) for December 2020 to February 2021 and the probability for the La Niña conditions is likely to decrease for March to May 2021, when its intensity is expected to turn to a weak La Niña (~34% probability).

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

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

	Status	COUNTRY		
TEMPERATURE OUTLOOK		CLIK®		
	Above Normal	Cook Is (south), FSM, Fiji, Marshall Is, Kiribati, Nauru, Niue, Palau, PNG, Solomon Is., Tonga, Vanuatu.		
	Normal	Samoa		
	Below Normal	Cook Is (north), Kiribati (Kanton, Kiritimati), Tokelau, Tuvalu,		

A resilient Pacific environment, sustaining our livelihoods and natural heritage in harmony with our cultures.

PICASO Regional Rainfall Forecast

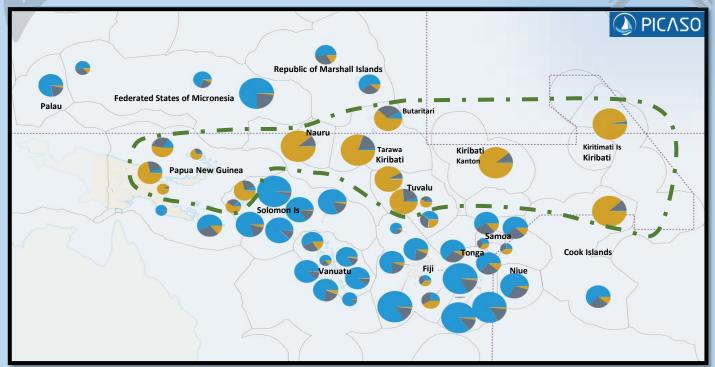
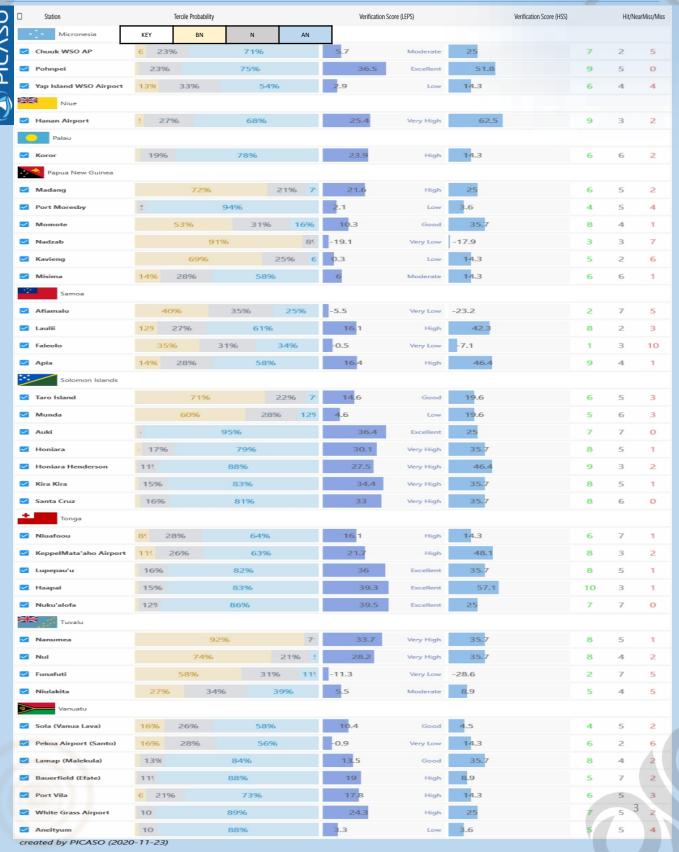


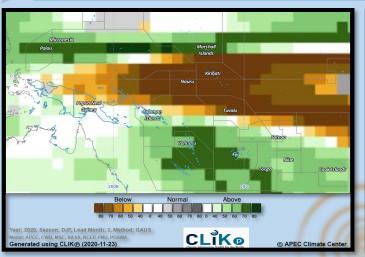
Figure 1: Regional outlook map of the Pacific. In general, all stations within the green-dash line is anticipated to have Below Normal (BN) rainfall. Normal (N) to Above Normal (AN) rainfall is predicted for stations above and below the green line. (Note: the larger the pie chart the higher the forecast skills.)

				01	UTLOOK T	ABLE BY CC	UNTRY				
	Station	Tercile Probability			Verification Score (LEPS)		Verification Score (HSS)	Hit/NearMiss/Miss			
×	Cook Islands	KEY	BN	N	AN						
2	Penrhyn			88%	119	38.4	Excellent	46.4	9	5	0
	Rarotonga	115	27%	6.	296	19.9	High	35.7	8	5	1
	Fiji										
	Rotuma	6 19	96	75%		-20.4	Very Low	-28.6	2	8	4
2	Udu Point	7 20	196	73%	6	18.7	High	45.5	7	3	1
	Nabouwalu	5 209	%	75%		22.4	High	59.1	8	2	1
	Nadi Airport	1496		84%		41.4	Excellent	67.9	1.1	2	1
2	Suva	35	%	32%	33%	-1.9	Very Low	-28.6	2	5	7
	Ono I Lau	2	1296	32%	26%	7.5	Moderate	30.8	7	2	4
*	Kiribati										
Z	Kiritimati			97%		58.8	Excellent	57.1	10	4	0
2	Butaritari		62%		29% 99	26.5	Very High	51.8	9	3	2
	Tarawa		8	096	1896	55.6	Excellent	57.1	10	4	0
V	Kanton			89%	10	52.4	Excellent	46.4	9	5	O
Marshall Islands											
	Kwajalein Bucholz Aaf	16%	32%		52%	14	Good	41.1	7	3	2,1
	Majuro	115	28%	6	196	10.9	Good	-7.1	4	8	2

PICASO Regional Rainfall Forecast



CLIK® Rainfall Forecast



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Figure 1: MME Rainfall Forecast for the Pacific Islands – DJF 2020/21 period

Figure 2: Rainfall Forecast Skill for the Pacific Islands – DJF 2020/21 period

period	perioa				
Country	Rainfall Outlook	Skill			
Cook Islands	Below Normal for northern Islands Normal – Above Normal elsewhere	Low - Moderate			
FSM	Above Normal	Low - Moderate			
Fiji	Above Normal	Moderate - High			
Kiribati	Below Normal	High			
Marshall Islands	Normal - Above Normal (central & Northern) Below Normal (Southern)	Very Low - Moderate			
Nauru	Below Normal	High			
Niue	Above Normal	Moderate			
Palau	Above Normal	High			
PNG	Normal – Above Normal (Port Moresby/Misima) Normal to Below Normal (Nadzab/Momote/Kavieng)	Moderate – High Low - Moderate			
Samoa	Normal - Above Normal	Low - Moderate			
Solomon Islands	Normal – Above Normal	Low - Moderate			
Tonga	Above Normal	Moderate – High			
Tokelau	Below Normal	Moderate			
Tuvalu	Normal – Below Normal	Moderate – High			
Vanuatu	Above Normal	Moderate - High			

CLIK® Rainfall Forecast

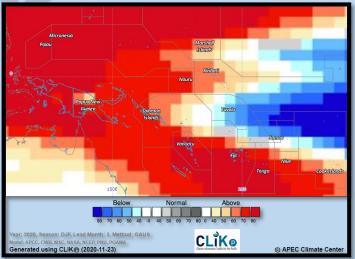


Figure 3: MME Temperature Forecast for the Pacific Islands — DJF 2020/21 period

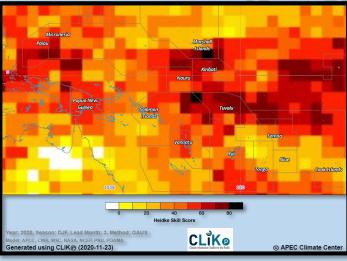


Figure 4: Air Temperature Forecast Skill for the Pacific Islands – DJF 2020/21 period

Country	Air Temperature Outlook	Skill
Cook Islands	Below Normal (north) Above Normal (south)	Moderate - High
FSM	Above Normal	Moderate - High
Fiji	Above Normal	Moderate - High
Kiribati	Normal to Above Normal (Tarawa/Butaritari) Below Normal (Kanton/Kiritimati)	High
Marshall Islands	Above Normal	Moderate - High
Nauru	Above Normal	High
Niue	Above Normal	Moderate
Palau	Above Normal	High
PNG	Above Normal	Moderate - High
Samoa	Normal - Below Normal	Moderate
Solomon Islands	Above Normal	Moderate - High
Tonga	Above Normal	Moderate - High
Tokelau	Below Normal	High
Tuvalu	Below Normal	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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