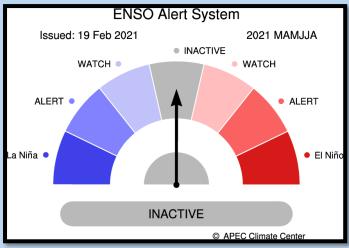
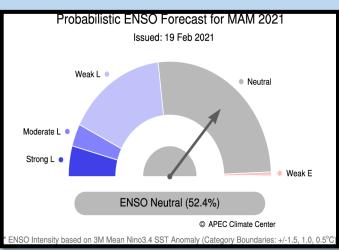
Summary: March to May 2021 (MAM)

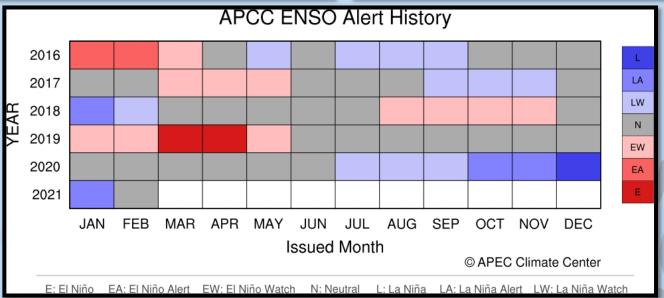
Climate Outlook for March ~ August 2021

- The APCC ENSO outlook suggests "INACTIVE".
- The prevailing ENSO phase is expected to be neutral. The intensity of negative SST anomalies along the equatorial
 Pacific is expected to be gradually weakened, which corresponds to a negative Niño3.4 index around -0.5°C during
 the boreal spring and a transition to neutral phase during the boreal summer. In summary, based on the running 3month mean Niño3.4 index, the APCC ENSO outlook suggests a greater than 50% chance of ENSO neutral conditions
 during March August 2021. The chance of La Niña conditions is expected to gradually decrease during the period.
- Please see https://apcc21.org/ser/enso.do?lang=en for more information

ENSO







PICASO & CLIK® Summary: March to May 2021 (MAM)

RAINFALL OUTLOOK

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

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

TEMPERATURE OUTLOOK

Status	COUNTRY	
	CLIK®	
Above Normal	Cook Is (southern group), FSM, Fiji, Marshall Is, Kiribati - (Tarawa, Butaritari), Nauru, Niue, Palau, PNG, Samoa, Solomon Is., Tonga, Vanuatu.	
Normal	Tokelau, Tuvalu.	
Below Normal Cook Is (northern group), Kiribati - (Kanton, Kiritimati).		

PICASO Regional Rainfall Forecast (MAM)

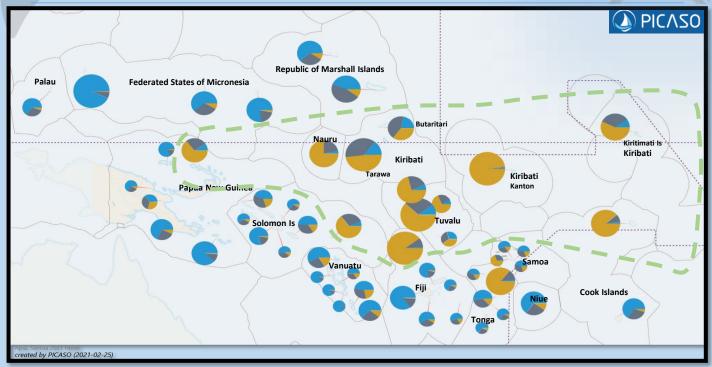
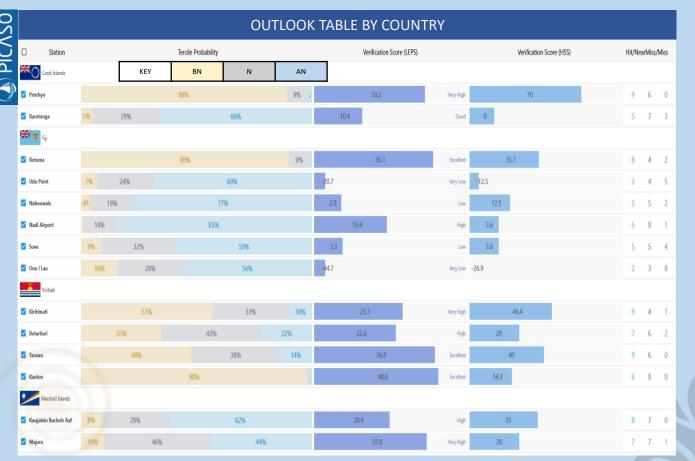


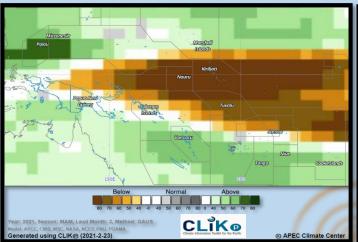
Figure 1: Regional outlook map of the Pacific. In general, all stations within the green-dash line is anticipated to have Below Normal (BN) rainfall. Normal (N) to Above Normal (AN) rainfall is predicted for stations above and below the green line. (Note: the larger the pie chart the higher the forecast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



PICASO Regional Rainfall Forecast (MAM)



CLIK® Rainfall Forecast (MAM)



Micronesia
Policu

Micronesia
Policu

Micronesia
Policu

Micronesia
Neuru

Neur

Figure 1: MME Rainfall Forecast for the Pacific Islands – MAM 2021 period

Figure 2: Rainfall Forecast Skill for the Pacific Islands – MAM 2021 period

Country	Rainfall Outlook	Skill
Cook Islands	Below Normal for northern Islands Normal – Above Normal elsewhere	Low
FSM	Above Normal	Very Low – High
Fiji	Above Normal except for Rotuma	Low - High
Kiribati	Below Normal	High
Marshall Islands	Above Normal	Very Low
Nauru	Below Normal	High
Niue	Above Normal	Low
Palau	Above Normal	High
PNG	Above Normal (Nadzab/Port Moresby/Misima) Below Normal (Madang/Momote/Kavieng)	Very Low/Low/High Very Low /Moderate/High
Samoa	Normal	Very Low
Solomon Islands	Above Normal (Honiara/Henderson) Below Normal elsewhere	Very Low - Low
Tonga	Normal - Above Normal	Very Low - Low
Tokelau	Below Normal	Low
Tuvalu	Below Normal	Very Low - Moderate
Vanuatu	Above Normal	Very Low - Low

CLIK® Temperature Forecast (MAM)

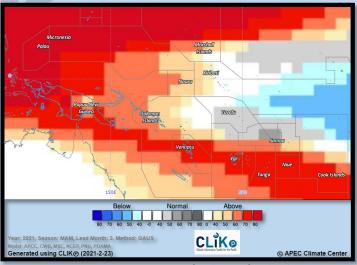


Figure 3: MME Temperature Forecast for the Pacific Islands – MAM 2021 period

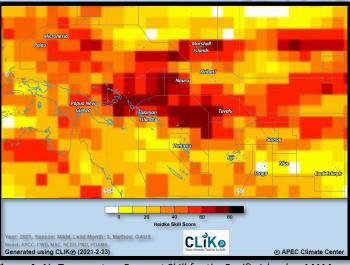


Figure 4: Air Temperature Forecast Skill for the Pacific Islands – MAM 2021 period

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



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

CONTACT INFORMATION:

For more information, please contact Mr. Tile Tofaeono, Climate Prediction Services Coordinator, SPREP tilet@sprep.org



PO Box 240, Apia, Samoa E: sprep@sprep.org T: +685 21929 F: +685 20231 W: www.sprep.org



