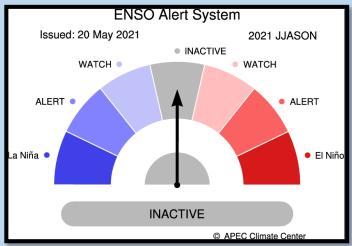
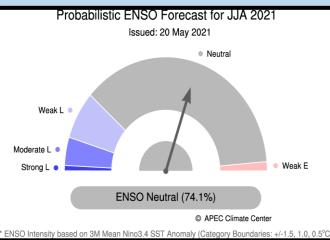
Summary: June to August 2021 (JJA)

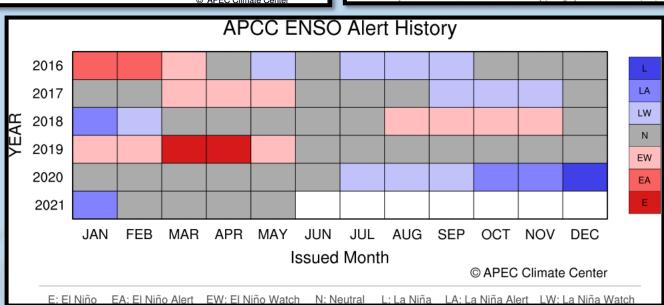
Climate Outlook for June ~ November 2021

- The APCC ENSO Alert suggests "INACTIVE". During April 2021, negative sea surface temperature anomalies were observed over the equatorial Pacific. The negative Niño3.4 index decreasing from -0.25 °C to -0.51 °C is expected during June November 2021. Based on the running 3-month mean Niño3.4 index, the latest APCC ENSO outlook suggests ENSO neutral conditions with a decreasing chance from 74% to 54% during the forecast period.
- Strongly enhanced probability for above normal temperatures is predicted for Micronesia, Melanesia (excluding equatorial region) and southern Polynesia for June November 2021.
- Enhanced probability for below normal precipitation is predicted for equatorial region of Pacific Islands for June November 2021.
- Please see https://apcc21.org/ser/outlook.do?lang=en for more information

ENSO







PICASO & CLIK® Summary: June to August 2021 (JJA)

RAINFALL OUTLOOK

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

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

TEMPERATURE OUTLOOK

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

PICASO Regional Rainfall Forecast (JJA)

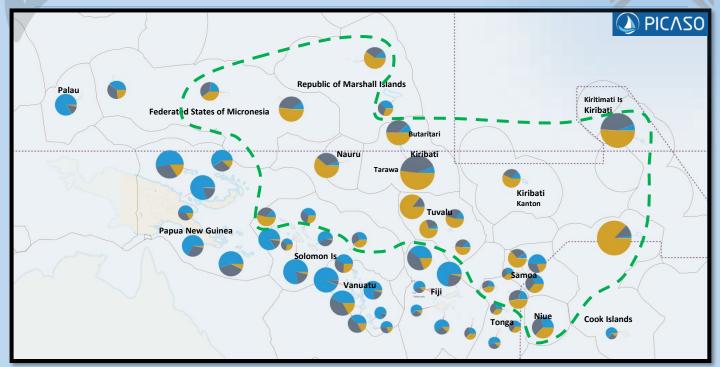


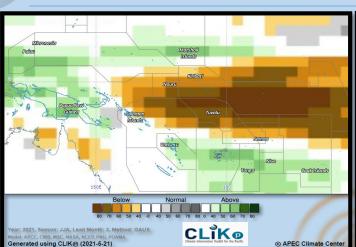
Figure 1: Regional outlook map of the Pacific. In general, all stations enclose within the green-dash line anticipated to have Below Normal (BN) rainfall. Normal (N) to Above Normal (AN) rainfall is predicted for stations outside the green-dashed line. (Note: the larger the pie chart the higher the forecast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



PICASO Regional Rainfall Forecast (JJA)



CLIK® Rainfall Forecast (JJA)



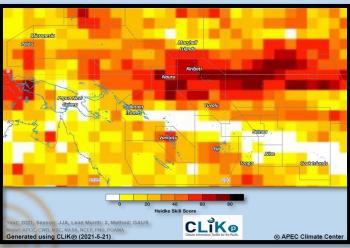


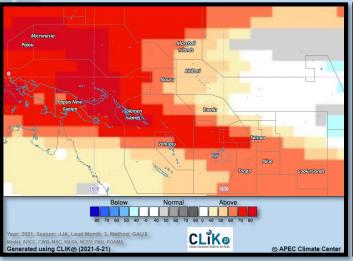
Figure 1: MME Rainfall Forecast for the Pacific Islands – JJA 2021 period

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

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Country	Rainfall Outlook	Skill
Cook Islands	Below Normal - Penrhyn Above Normal - Rarotonga	Moderate Very Low
FSM	Above Normal	Very Low – Moderate
Fiji	Below Normal - Rotuma Above Normal elsewhere	Very Low Low – Moderate
Kiribati	Below Normal	Moderate – High
Marshall Islands	Above Normal	Very Low - Low
Nauru	Below Normal	High
Niue	Above Normal	Very Low
Palau	Above Normal	Moderate
PNG	Above Normal	Very Low – Low
Samoa	Normal	Very Low
Solomon Islands	Above Normal - (Honiara/Henderson) Normal – (Taro Is, Munda, Kirakira) Below Normal – (Auki, Santa Cruz)	Very Low – Moderate
Tonga	Normal - Above Normal	Very Low
Tokelau	Below Normal	Moderate
Tuvalu	Below Normal	Moderate - High
Vanuatu	Above Normal	Low - Moderate

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

CLIK® Temperature Forecast (JJA)



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

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

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



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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