

Republic of Korea-Pacific Islands Climate Prediction Services Project Summary: July to September 2020



RAINFALL OUTLOOK

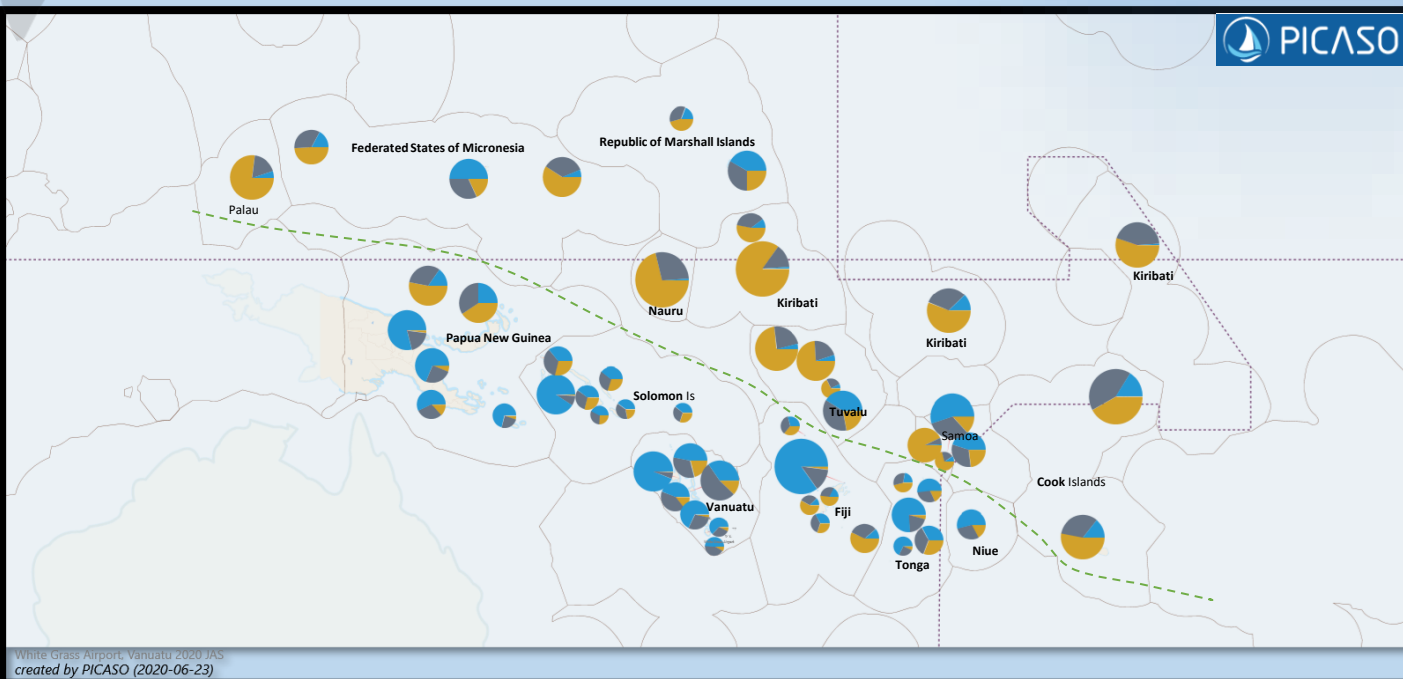
Status	COUNTRY (Area)
	PICASO
Above Normal	Marshall Is. – (Majuro), FSM – (Chuuk), Samoa – (Laulii, Apia), Tonga – (Niuatoputapu, Vava'u, Nukualofa), Vanuatu – (Aneityum, White Grass, Port Vila, Bauerfield, Pekoa, Sola), Niue – (Hanan Airport), PNG – (Madang, Port Moresby, Nadzab, Misima), Solomon Is. – (Taro Is., Munda, Auki, Henderson, Honiara, Kirakira, Santa Cruz), Tuvalu – (Niulakita).
Normal	Tonga – (Ha'apai), Vanuatu – (Lamap).
Below Normal	Marshall Is. – (Kwajalein), FSM – (Pohnpei, Yap), Palau – (Koror), Samoa – (Afiamalua, Faleolo), Tonga – (Niuafoou), Nauru , PNG – (Momote, Kavieng), Tuvalu – (Funafuti, Nui, Nanumea)
	CLIK®
Above Normal	FSM – (Chuuk & Pohnpei), Marshall Is – (Majuro, Kwajalein), PNG – (Central & Southern region), Samoa , Tonga – (Niua Group), Vanuatu – (Southern region)
Normal	Cook Is , Fiji , Niue , Tonga – (Haapai, Vavau, Tongatapu), Tokelau , Tuvalu – (Niulakita), Vanuatu – (Southern region)
Below Normal	Kiribati , FSM -(Yap), Marshall Is – (Northern & Southern Atolls), Nauru , Palau , PNG – (Northern Islands), Tuvalu – (Nui, Nanumea, Funafuti),

TEMPERATURE OUTLOOK

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

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PICASO Regional Rainfall Forecast: July to September 2020



White Grass Airport, Vanuatu 2020 JAS
created by PICASO (2020-06-23)

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.)

OUTLOOK TABLE BY COUNTRY



Station	Tercile Probability				Verification Score (LEPS)		Verification Score (HSS)		Hit/NearMiss/Miss		
KEY	BN	N	AN								
Cook Islands											
Penrhyn	42%	42%	16%	39.8	Excellent	46.4	9	4	1		
Rarotonga	53%	33%	14%	34.7	Very High	35.7	8	5	1		
Fiji											
Rotuma	36%	35%	29%	-9	Very Low	-50	0	12	1		
Udu Point	13%	85%		36.6	Excellent	25	5	4	1		
Nabouwalu	52%	31%	17%	-24.6	Very Low	-22.7	2	6	3		
Nadi Airport	57%	32%	11%	9.5	Moderate	25	7	4	3		
Suva	30%	37%	33%	-8.7	Very Low	-17.9	3	6	5		
Ono I Lau	58%	30%	12%	-0.8	Very Low	-15.4	3	6	4		
Kiribati											
Kiritimati	55%	44%		29.7	Very High	14.3	6	8	0		
Butaritari	53%	37%	10%	6.9	Moderate	3.6	5	6	3		
Tarawa	85%	14%		55.8	Excellent	57.1	10	4	2	0	
Kanton	56%	32%	12%	26.2	Very High	62.5	9	3	0		

Republic of Korea-Pacific Islands

Climate Prediction Services Project

PICASO Regional Rainfall Forecast: July to September 2020



<input type="checkbox"/>	Station	Tercile Probability				Verification Score (LEPS)		Verification Score (HSS)		Hit/NearMiss/Miss		
		KEY	BN	N	AN							
	Marshall Islands											
<input checked="" type="checkbox"/>	Kwajalein Bucholz Aaf	46%		35%	19%	2.9	Low	-17.9		3	7	4
<input checked="" type="checkbox"/>	Majuro	25%	33%		42%	17.2	High	57.1		10	0	4
	Micronesia											
<input checked="" type="checkbox"/>	Chuuk WSO AP	18%	32%		50%	16.8	High	35.7		8	3	3
<input checked="" type="checkbox"/>	Pohnpei	59%		35%	6%	17.9	High	3.6		5	7	2
<input checked="" type="checkbox"/>	Yap Island WSO Airport	49%		34%	17%	12.6	Good	67.9		10	3	1
	Palau											
<input checked="" type="checkbox"/>	Koror	77%		18%	5%	26.6	Very High	46.4		9	4	1
	Samoa											
<input checked="" type="checkbox"/>	Afiamalu	71%		20%	9%	-1.3	Very Low	3.6		5	5	4
<input checked="" type="checkbox"/>	Laulii	23%	32%		45%	12.3	Good	51.8		8	5	1
<input checked="" type="checkbox"/>	Faleolo	93%			6%	11.3	Good	14.3		6	6	2
<input checked="" type="checkbox"/>	Apia	13%	32%		55%	31.8	Very High	57.1		10	4	0
	Tonga											
<input checked="" type="checkbox"/>	Niuafoou	46%		32%	22%	-5	Very Low	-7.1		4	5	5
<input checked="" type="checkbox"/>	KeppelMata'aho Airport	18%	30%		52%	3	Low	30.4		4	8	2
<input checked="" type="checkbox"/>	Lupepau'u	20%			76%	11	Good	3.6		5	5	4
<input checked="" type="checkbox"/>	Haapai	31%	36%		33%	9.4	Moderate	3.6		5	7	2
<input checked="" type="checkbox"/>	Nuku'alofa	7%	25%		68%	-9.7	Very Low	-7.1		4	6	4
	Vanuatu											
<input checked="" type="checkbox"/>	Sola (Vanua Lava)	21%	32%		47%	14.1	Good	52.3		6	5	0
<input checked="" type="checkbox"/>	Pekoa Airport (Santo)	94%				19.1	High	51.8		8	2	4
<input checked="" type="checkbox"/>	Lamap (Malekula)	12%	53%		35%	20.9	High	25		7	6	1
<input checked="" type="checkbox"/>	Bauerfield (Efate)	14%	42%		44%	5.3	Moderate	3.6		5	8	1
<input checked="" type="checkbox"/>	Port Vila	29%			68%	6	Moderate	35.7		7	5	2
<input checked="" type="checkbox"/>	White Grass Airport	7%	30%		63%	-2.8	Very Low	3.6		5	7	2
<input checked="" type="checkbox"/>	Aneityum	8%	43%		49%	-1.2	Very Low	25		7	5	2

created by PICASO (2020-06-23)

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CLIK® Rainfall Forecast – July to September 2020

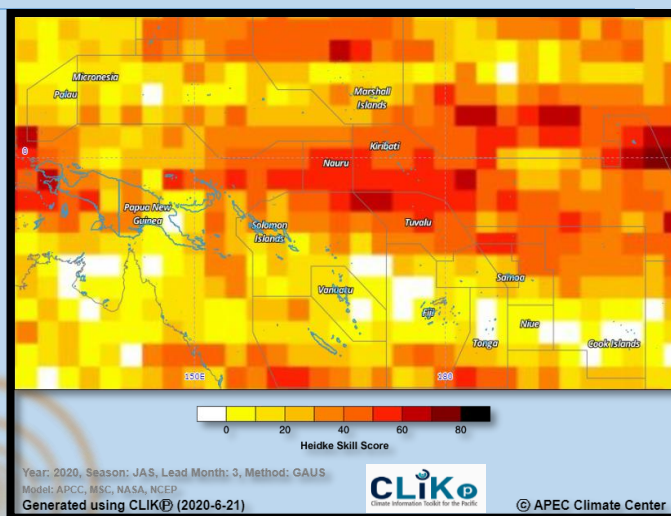
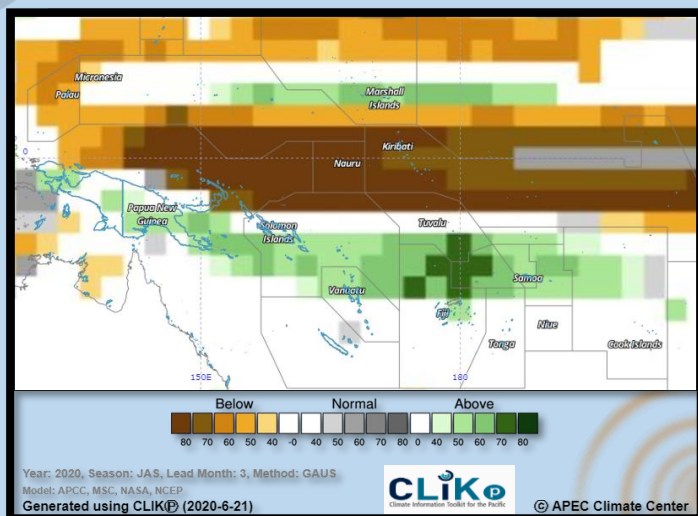


Figure 1: MME Rainfall Forecast for the Pacific Islands – July - September 2020 period

Figure 2: Rainfall Forecast Skill for the Pacific Islands – July - September 2020 period

Country	Rainfall Outlook	Skill
Cook Islands	Normal	Very Low
FSM	Above Normal(Chuuk, Pohnpei) Below Normal(Yap)	Low - Moderate
Fiji	Normal – Above Normal	Low
Kiribati	Below Normal	Moderate - High
Marshall Islands	Normal - Above Normal (Majuro, Kwajalein)	Low - Moderate
Nauru	Below Normal	High
Niue	Normal	Low
Palau	Below Normal	Low
PNG	Normal – Above Normal (Central, Southern areas) Below Normal (Northern Areas)	Low - Moderate
Samoa	Normal – Above Normal	Low - Moderate
Solomon Islands	Normal – Above Normal	Low - Moderate
Tonga	Normal – Above Normal	Very Low - Low
Tokelau	Normal – Above Normal	High
Tuvalu	Normal – Below Normal	Moderate - High
Vanuatu	Normal – Above Normal	Very Low - Low

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.

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CLIK® Temperature Forecast: July to September 2020

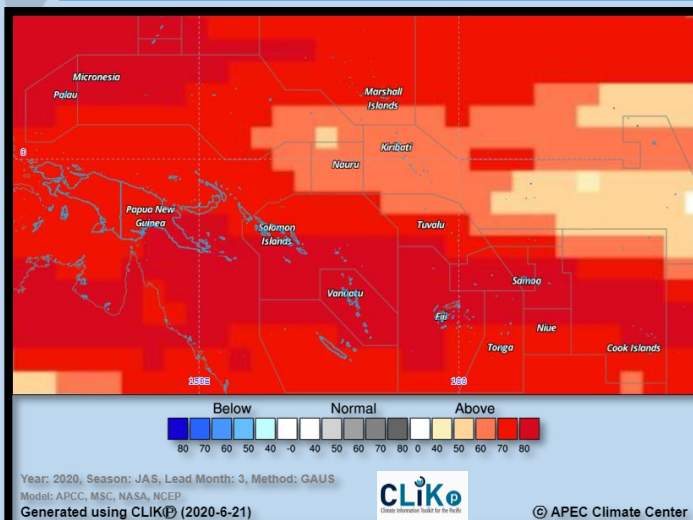


Figure 3: MME Temperature Forecast for the Pacific Islands – July to September 2020 period

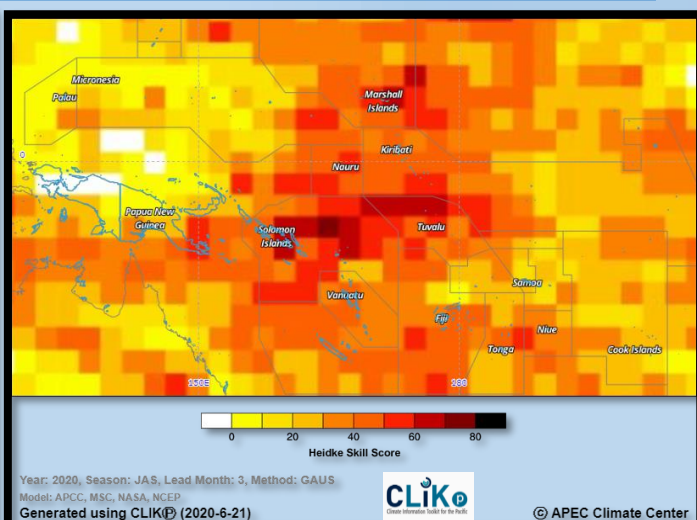


Figure 4: Air Temperature Forecast Skill for the Pacific Islands – July to September 2020 period

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

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

Republic of Korea-Pacific Islands Climate Prediction Services Project



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

