Republic of Korea-Pacific Islands
Climate Prediction Services Project
Summary: August to October 2020

RAINFALL OUTLOOK

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

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

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	

Republic of Korea-Pacific Islands
Climate Prediction Services Project
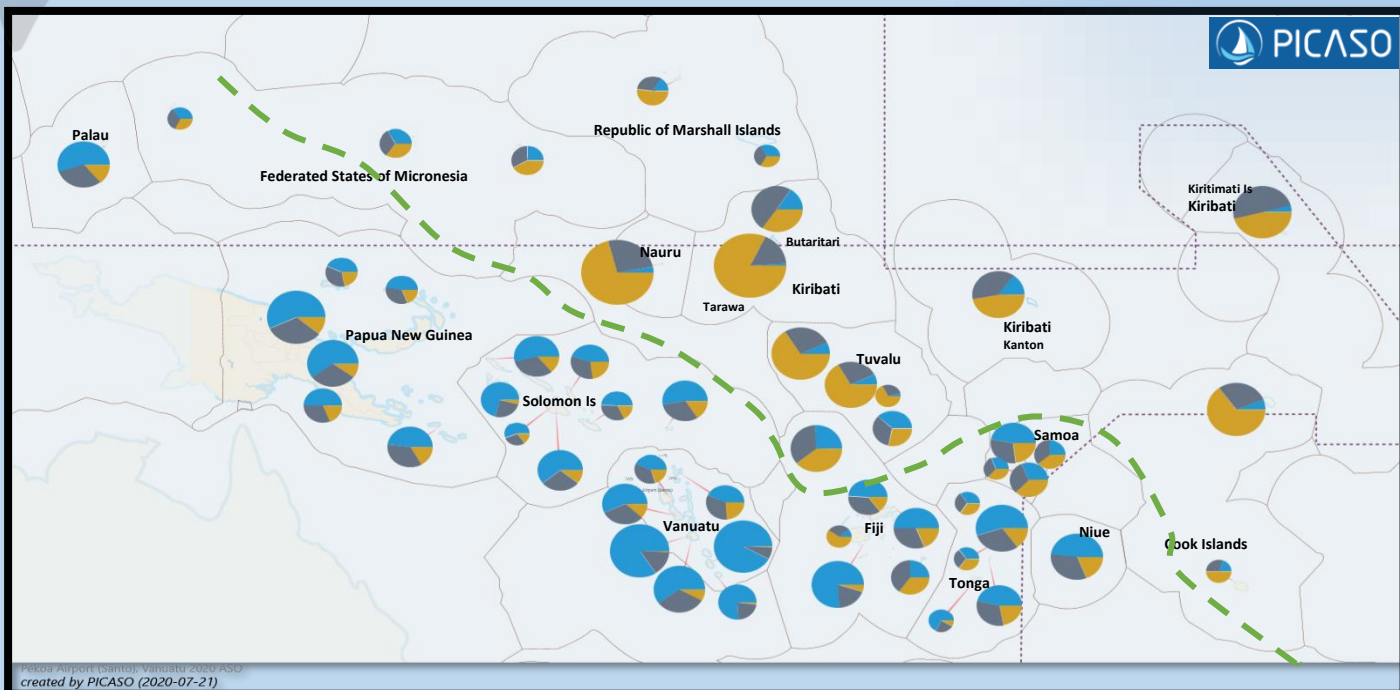## PICASO Regional Rainfall Forecast: August to October 2020

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		
Cook Islands	KEY	BN	N	AN					
Penrhyn	65%	29%	6%	29.1	Very High	46.4	9	3	2
Rarotonga	50%	31%	19%	-4.8	Very Low	-7.1	4	4	6
Fiji									
Rotuma	39%	35%	26%	18.1	High	42.3	8	3	1
Udu Point	19%	31%	50%	10.6	Good	15	4	6	0
Nabouwalu	15%	36%	49%	7.2	Moderate	-9.1	3	7	1
Nadi Airport	35%	40%	25%	9.8	Moderate	25	6	3	4
Suva	5% 19%		76%	21.8	High	30.4	7	5	1
Ono I Lau	60%	29%	11%	-18.8	Very Low	-3.8	3	4	5
Kiribati									
Kiritimati	46%	50%	4%	29.5	Very High	35.7	8	6	0
Butaritari	35%	49%	16%	24.6	High	3.6	5	8	1
Tarawa	82%	17%		48.4	Excellent	46.4	9	5	0
Kanton	47%	38%	15%	20.5	High	37.5	7	4	1

Pekoa Airport (Santo), Vanuatu 2020 ASO
created by PICASO (2020-07-21)

Republic of Korea-Pacific Islands
Climate Prediction Services Project
PICASO Regional Rainfall Forecast: August to October 2020

PICASO

Station	Tercile Probability			Verification Score (LEPS)		Verification Score (HSS)		Hit/NearMiss/Miss		

Marshall Islands

Station	Tercile Probability			Verification Score (LEPS)		Verification Score (HSS)		Hit	NearMiss	Miss
Kwajalein Bucholz Aaf	52%	32%	16%	0.8	Low	-7.1		4	6	4
Majuro	34%	33%	33%	-4.2	Very Low	-28.6		2	5	7

Micronesia

Chuuk WSO AP	35%	32%	33%	1.6	Low	62.5		9	0	5
Pohnpei	42%	33%	25%	3.6	Low	30.4		7	2	5
Yap Island WSO Airport	32%	32%	35%	-16.2	Very Low	-28.6		2	0	12

Palau

| Koror | 14% | 31% | 55% | 21.4 | High | 14.3 | | 6 | 7 | 1 |

Samoa

Afiamalu	37%	31%	31%	5.6	Moderate	46.4		6	4	4
Laulii	39%	36%	25%	2.6	Low	3.6		5	7	2
Faleolo	37%	32%	31%	-9.4	Very Low	-7.1		4	6	4
Apia	23%	30%	47%	13.4	Good	51.8		9	3	2

Tonga

Niuafoou	34%	32%	34%	-2.1	Very Low	30.4		6	3	5
KeppelMata'aho Airport	15%	30%	55%	21.7	High	41.1		7	6	1
Lupepau'u	35%	30%	35%	-0.4	Very Low	62.5		6	5	3
Haapai	22%	32%	46%	10.2	Good	46.4		7	5	2
Nuku'alofa	8%	24%	68%	-3.9	Very Low	-7.1		4	5	5

Vanuatu

Sola (Vanua Lava)	24%	33%	43%	9.4	Moderate	11.4		4	5	2
Pekoa Airport (Santo)	20%	36%	44%	2	Low	-7.1		4	6	4
Lamap (Malekula)	12%	31%	57%	14.7	Good	3.6		5	7	2
Bauerfield (Efate)	15%		84%	34.9	Very High	25		7	5	2
Port Vila	8%	32%	60%	21.4	High	57.1		10	2	2
White Grass Airport	7%		92%	27.8	Very High	35.7		8	4	2
Aneityum		22%	76%	5	Moderate	25		7	4	3

Republic of Korea-Pacific Islands
Climate Prediction Services Project
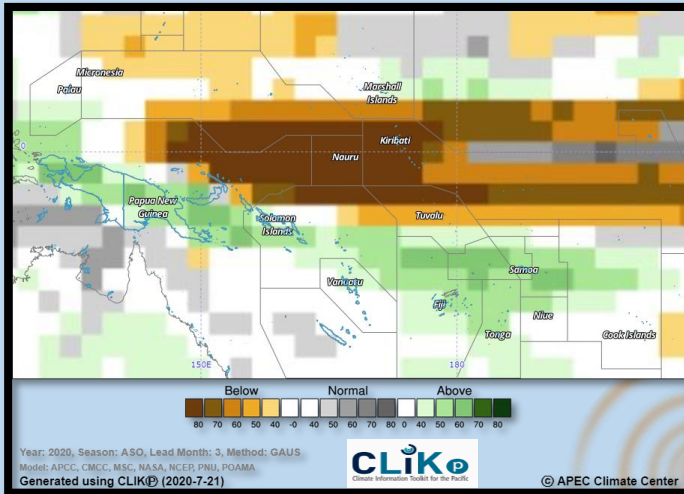## CLIK®Rainfall Forecast – August to October 2020

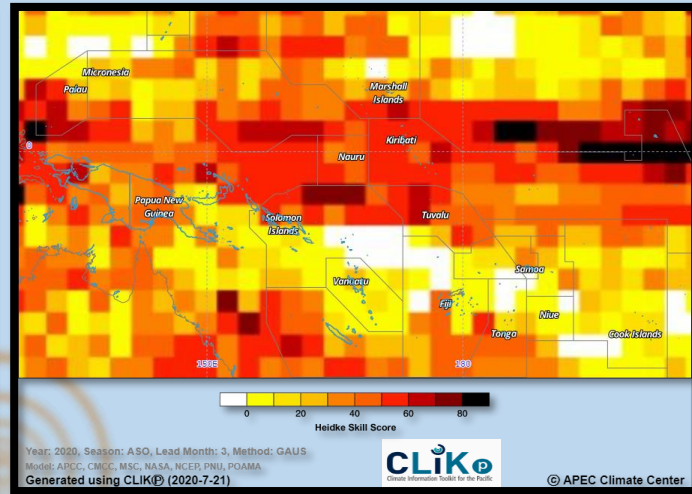*Figure 1: MME Rainfall Forecast for the Pacific Islands – August to October 2020 period*

Figure 2: Rainfall Forecast Skill for the Pacific Islands – August to October 2020 period

Country	Rainfall Outlook	Skill
Cook Islands	Normal	Low - Moderate
FSM	Below Normal	Moderate - High
Fiji	Normal – Above Normal	Low - Moderate
Kiribati	Below Normal	High
Marshall Islands	Normal - Above Normal	Low - Moderate
Nauru	Below Normal	Moderate
Niue	Normal – Above Normal	Low
Palau	Above Normal	Moderate
PNG	Normal – Above Normal Below Normal (Kavieng)	Low - Moderate
Samoa	Normal – Above Normal	Low - Moderate
Solomon Islands	Normal – Above Normal	Low - Moderate
Tonga	Normal – Above Normal	Very Low - Low
Tokelau	Normal	Moderate
Tuvalu	Below Normal Normal – Above Normal (Niulakita)	Moderate - High
Vanuatu	Normal – Above Normal	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.*

Republic of Korea-Pacific Islands
Climate Prediction Services Project
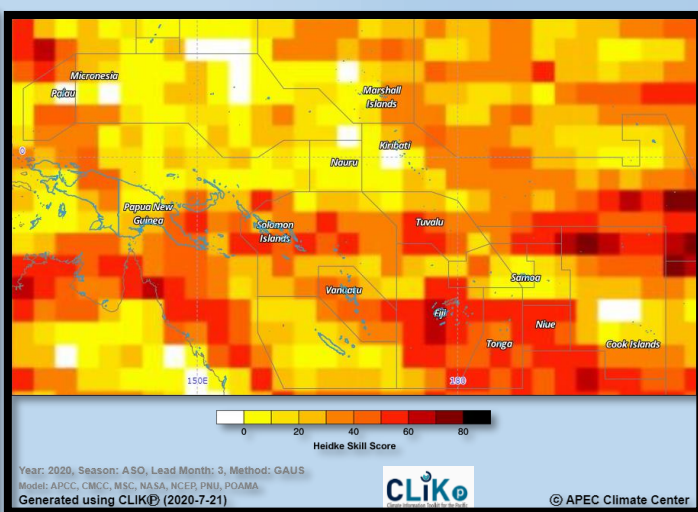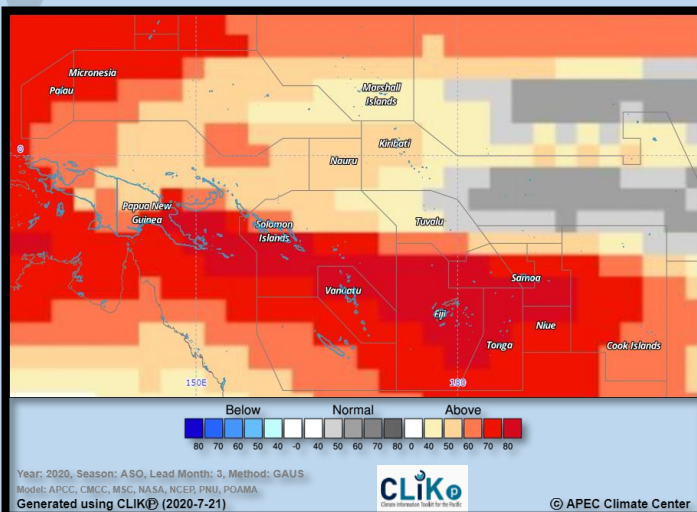## CLIK® Rainfall Forecast – August to October 2020

Figure 3: MME Temperature Forecast for the Pacific Islands – August to October 2020 period

Figure 4: Air Temperature Forecast Skill for the Pacific Islands – August to October 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	Low - Moderate
Nauru	Above Normal	Low
Niue	Above Normal	High
Palau	Above Normal	Very Low
PNG	Above Normal	Low - Moderate
Samoa	Above Normal	Low
Solomon Islands	Above Normal	Moderate - High
Tonga	Above Normal	Moderate - High
Tokelau	Above Normal	Moderate - High
Tuvalu	Above Normal	Moderate - High
Vanuatu	Above Normal	Low - Moderate

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

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

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

SPREP PROE

APCC APEC CLIMATE CENTER

POSTECH

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