

149<sup>th</sup> National Climate Forum  
29 June 2022, 9:00 AM – 12:00 Noon  
Via Zoom / FB Live/ YT

# CLIMATE OUTLOOK

## JULY – DECEMBER 2022

*Prepared by:*  
**PAGASA-DOST**  
**Climatology & Agrometeorology Division (CAD)**  
**Climate Monitoring and Prediction Section (CLIMPS)**

*Presented by:*  
**ANA LIZA S. SOLIS**  
**Chief, CLIMPS/CAD**

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**01 ► La Niña Update**

**02 ► Climate Outlook  
(JULY – DECEMBER 2022)**

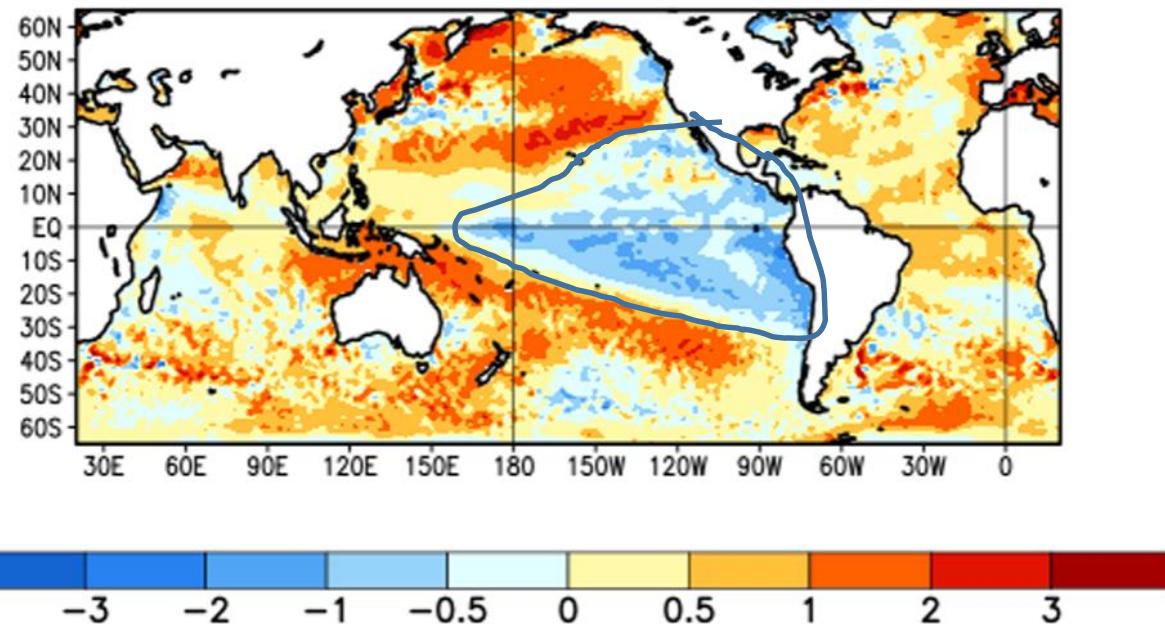
**03 ► Summary**

# Conditions in the Global Tropics

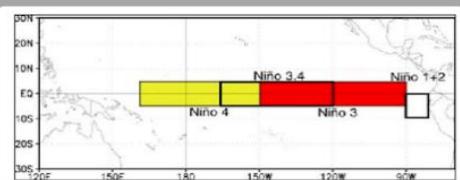
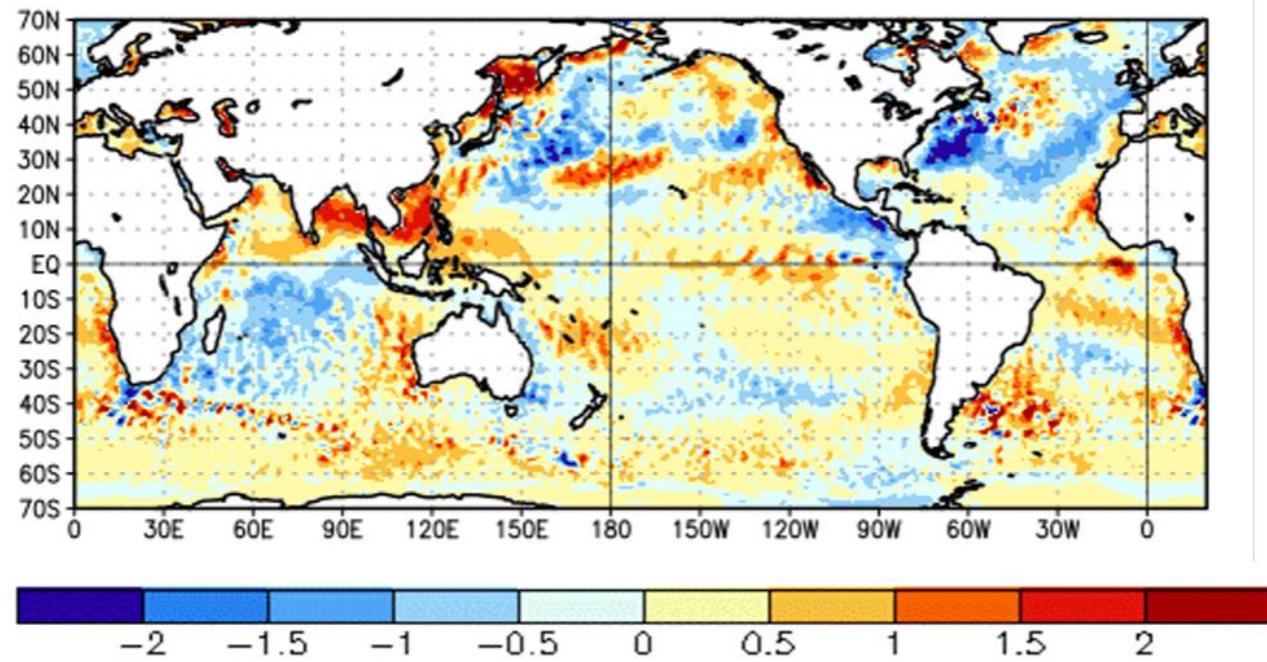
## Sea Surface Temperature Anomalies (SSTAs)

As of: 27 June 2022

Average SST Anomalies  
29 MAY 2022 – 25 JUN 2022

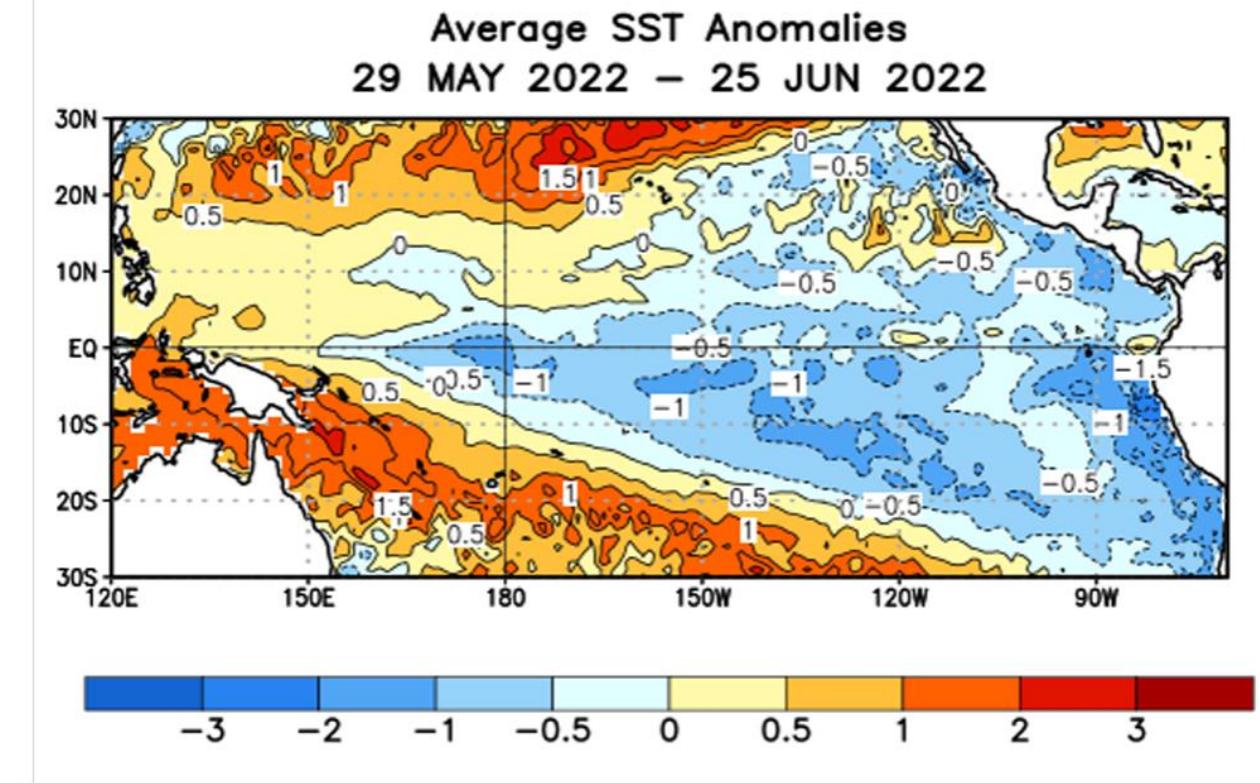
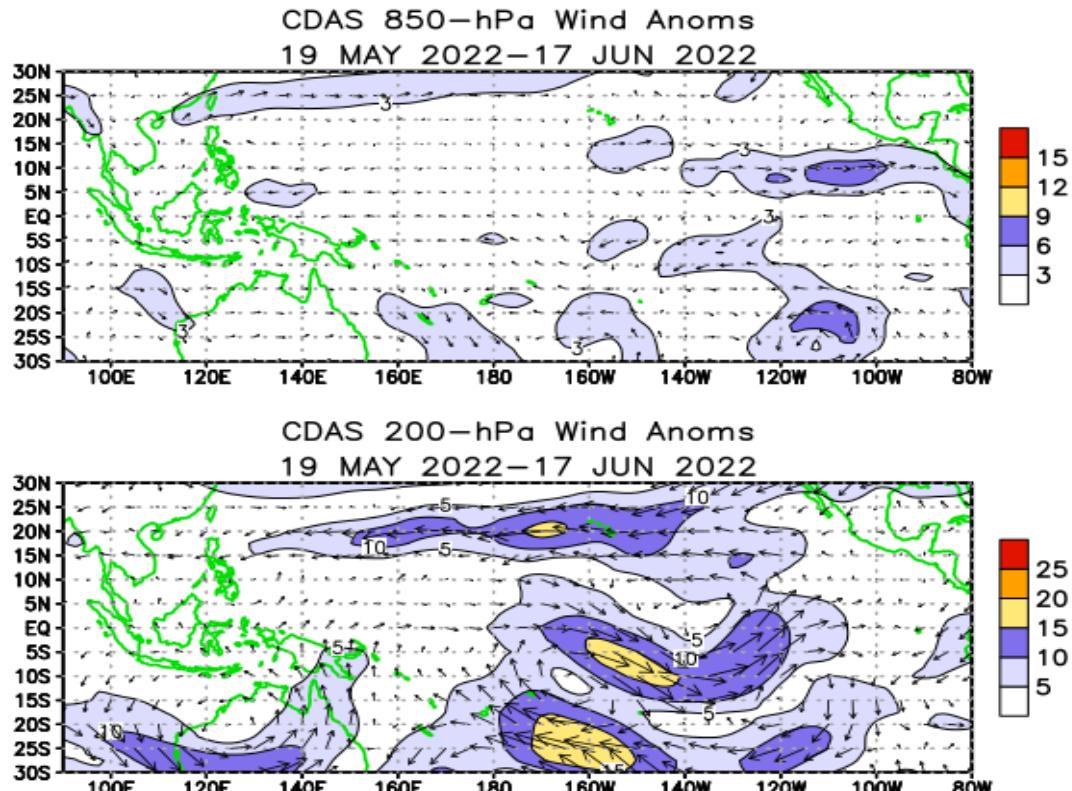


Change in Weekly SST Anoms (°C)  
22JUN2022 minus 25MAY2022



# Conditions in the Tropical Pacific

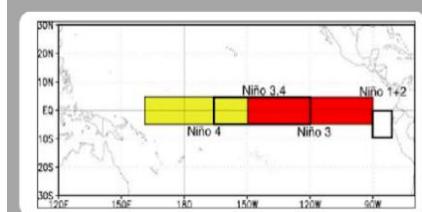
## Tradewinds and upper level winds



In the last four weeks, equatorial SSTs were below average across most of the Pacific Ocean.

As of: 27 June 2022

[https://www.cpc.ncep.noaa.gov/products/analysis\\_monitoring/lanina/enso\\_evolution-status-fcsts-web.pdf](https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/lanina/enso_evolution-status-fcsts-web.pdf)

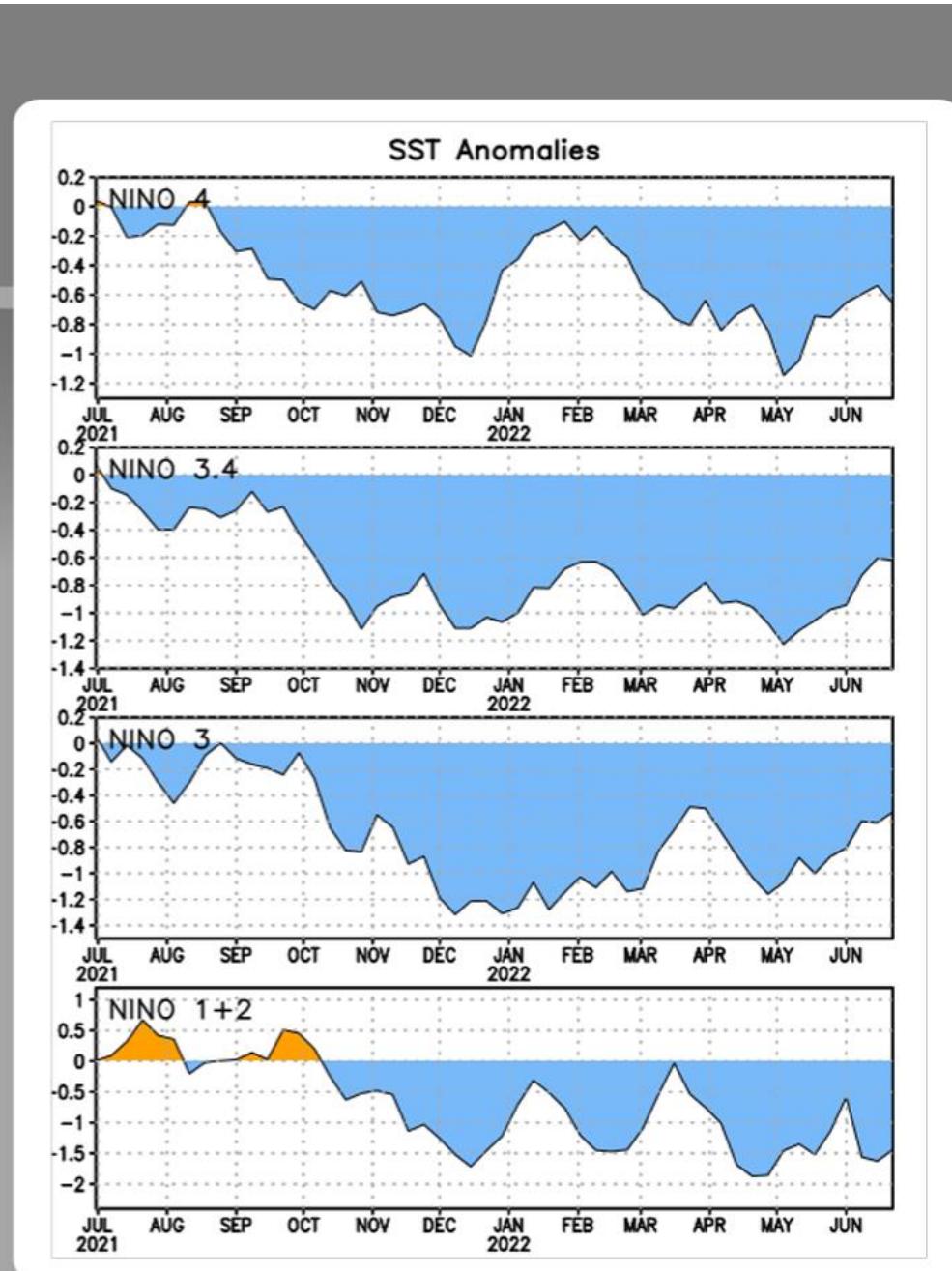
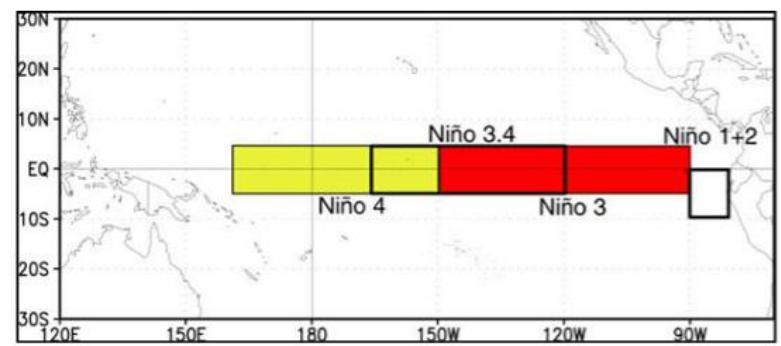


## Niño Region SST Departures (°C) Recent Evolution

As of: 27 June 2022

The latest weekly SST departures are:

Niño 4	-0.7°C
Niño 3.4	-0.6°C
Niño 3	-0.5°C
Niño 1+2	-1.4°C



During the last 4 weeks, negative SST anomalies have weakened across most of the equatorial Pacific Ocean.

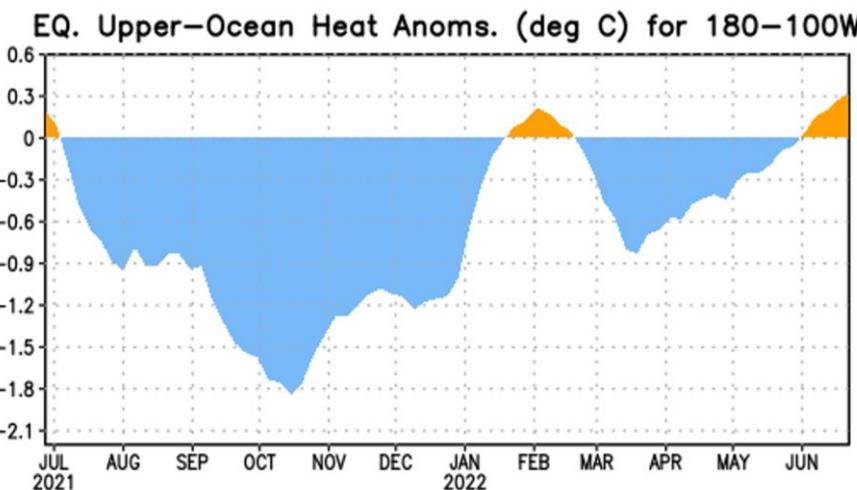


# Conditions in the Tropical Pacific Ocean

as of 27 June 2022:

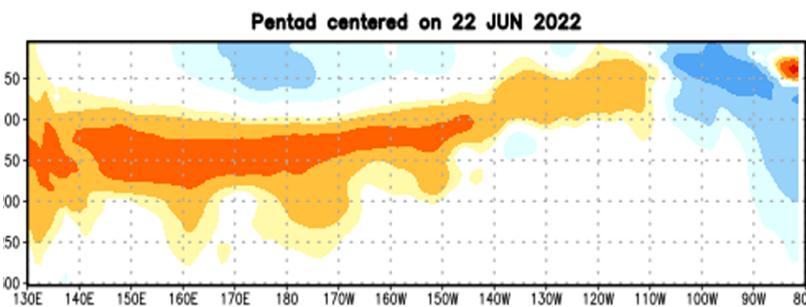
## Sub-Surface Temperature Departures in the Equatorial Pacific

During the last two months, positive subsurface temperature anomalies have expanded eastward and extended across most of the equatorial Pacific.



From early July 2021 to mid Jan 2022, negative subsurface temperature anomalies were observed. Feb to mid march negative anomalies decreased, negative anomalies have gradually weakened and are now slightly positive.

EQ. Subsurface Temperature Anomalies (deg C)

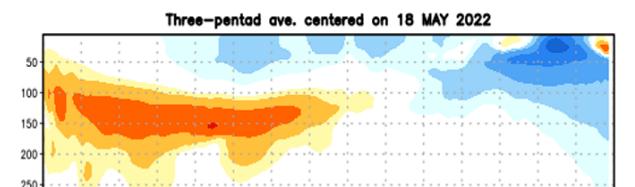
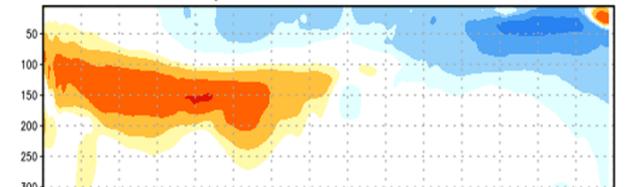


Most recent pentad analysis

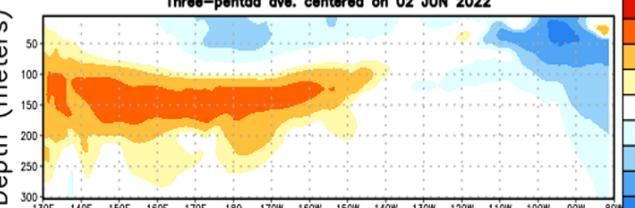
- Negative anomalies prevailed near the surface to -200m depth in the Pacific Ocean.

EQ. Subsurface Temperature Anomalies (deg C)

Three-pentad ave. centered on 03 MAY 2022



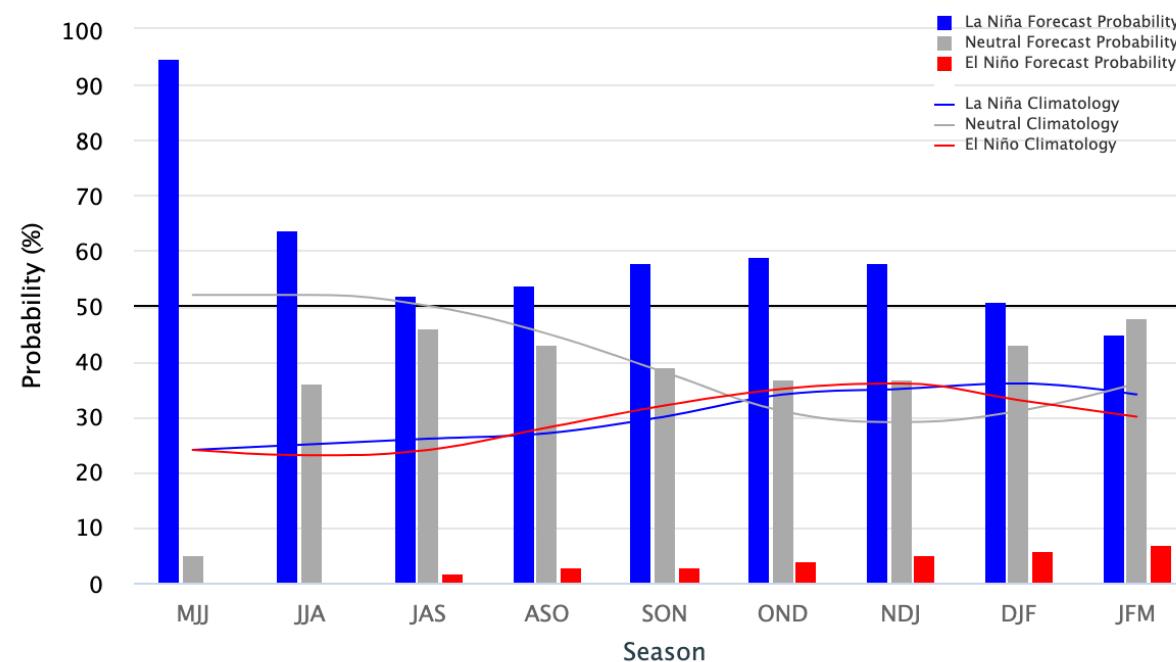
Depth (meters)



## La Niña Update

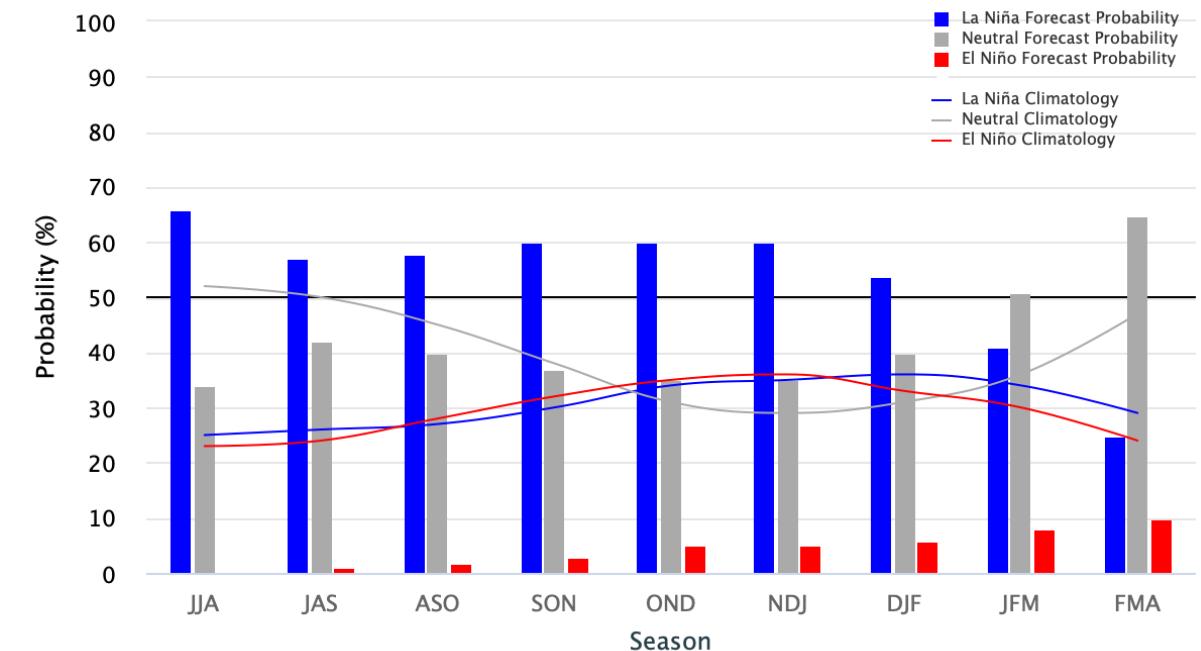
# What are the chances?

Early-June 2022 CPC/IRI Official Probabilistic ENSO Forecasts



Model + Expert judgment ENSO probability forecast

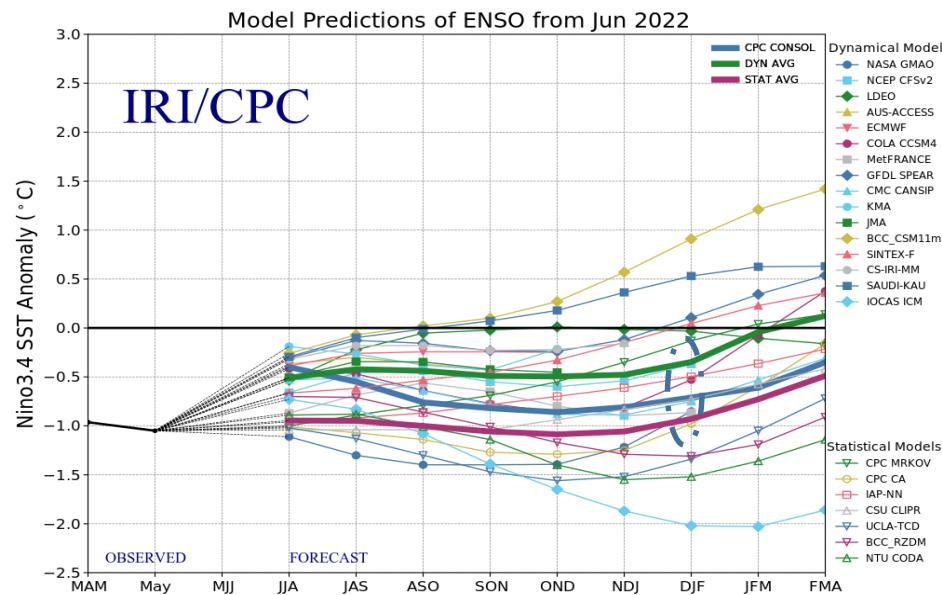
Mid-June 2022 IRI/CPC Model-Based Probabilistic ENSO Forecasts



Purely objective ENSO probability forecast

## La Niña Update

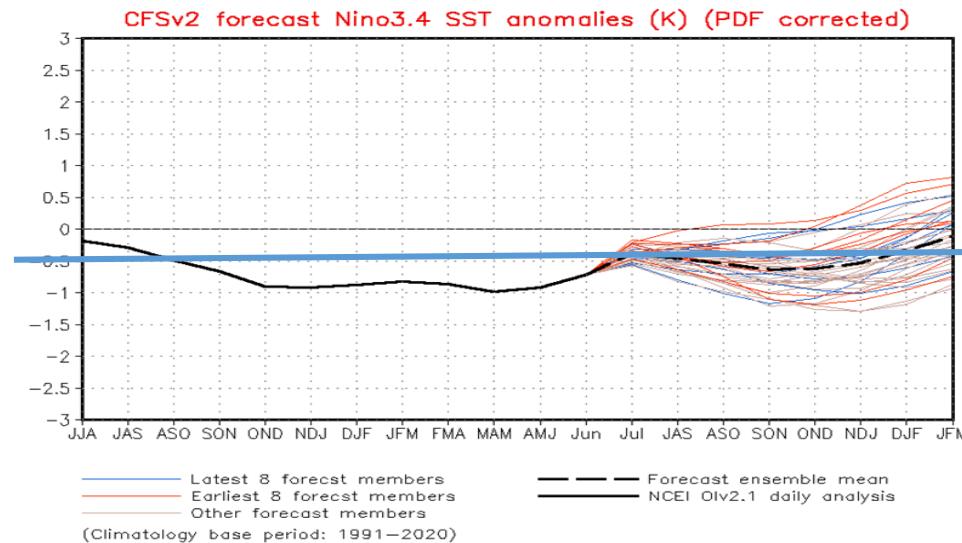
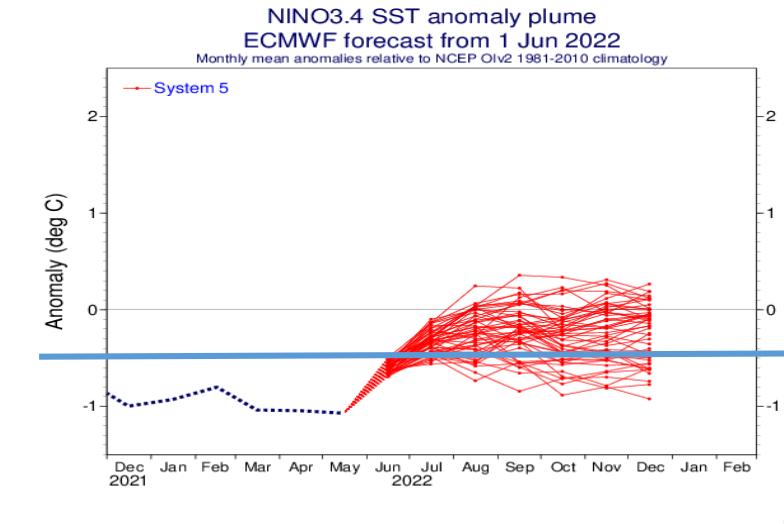
# until when?



La Niña is expected to weaken, but persist through the Northern Hemisphere summer and into early winter 2022-23.

- 11 out of 23 models or 48% - cool ENSO-neutral then La Niña
- 12 out of 23 models or 52% - La Niña to continue

## Global Model Forecast Guidance



The CFS.v2 ensemble mean (black dashed line) indicates a transition to ENSO-neutral during the Northern Hemisphere summer, with borderline La Niña conditions favored during the fall and early winter.

ENSO Alert System Status:

# La Niña Advisory #9



Although La Niña is weakening in the tropical Pacific, most climate models predict La Niña to continue until the end of the year (52-59% chance) (updated 20 June)

- La Niña increases the likelihood of having above normal rainfall conditions in some areas of the country.



Republic of the Philippines  
**DEPARTMENT OF SCIENCE AND TECHNOLOGY**  
Philippine Atmospheric, Geophysical and Astronomical Services  
Administration (PAGASA)

CLIMPS-01  
Rev. 0/04-04-22

## LA NIÑA ADVISORY NO. 9

La Niña is weakening in the tropical Pacific Ocean. Most climate models predict La Niña may still persist in May-June-July 2022 season, with a 50-55% chance of La Niña to continue thereafter.

La Niña increases the likelihood of having above normal rainfall conditions in some areas of the country. Adverse impacts such as floods and landslides are likely to occur over the vulnerable areas and sectors of the society.

### Assessment in May 2022

The weather systems that affected the country for the month were the Southwest (SW) Monsoon, ridge of high pressure areas (HPAs), low pressure areas (LPAs), tail end of frontal system or shearline, intertropical convergence zone (ITCZ), easterlies and severe thunderstorms. No tropical cyclone developed or entered in the Philippine Area of Responsibility (PAR) during the month. Meanwhile, the onset of the rainy season in areas under Climate Type I was officially declared on 18 May 2022.

Generally, near to above normal rainfall conditions were observed in most parts of the country except for Quirino province which received below normal rainfall. Furthermore, Hinatuan station in Mindanao had recorded its new 24-hour rainfall extreme which surpassed its highest rainfall record for May (171.2 mm, 01 May).

Most parts of the country experienced near average to cooler than average surface air temperatures during the month, except for Clark and Dipolog stations which observed slightly warmer to warmer than average temperatures. La Trinidad, Benguet, recorded the lowest observed temperature (14.1°C, 06 May) while ISU, Echague, Isabela observed the highest maximum temperature (38.7°C, 13 May) for the month. The actual ranges of temperature were as follows: mountainous areas of Luzon: 14.1°C – 26.6°C; rest of Luzon: 17.5°C – 38.0°C; Visayas: 22.5°C – 36.0°C; mountainous areas of Mindanao: 17.4°C – 33.0°C; rest of Mindanao: 21.5°C – 35.4°C and 24.0°C – 36.9°C in Metro Manila.

### Outlook for June 2022

The weather systems that will likely affect the country's climate in June are the SW Monsoon, frontal systems, easterlies, localized thunderstorms, ITCZ, LPAs, HPAs, and one (1) or two (2) tropical cyclones that may enter/develop inside the PAR.

Rainfall forecast for the month shows that generally near normal rainfall conditions are expected in most parts of the country except for Kalinga, Apayao and Cagayan where below normal rainfall is expected. However, above normal rainfall conditions in some parts of Regions III, IV-A, V, VIII and XIII are likely and the probability of having above normal rainfall conditions in most parts of the country is also higher especially in the central portions of the country.

Generally, near average to warmer than average surface air temperatures are predicted in most parts of the country. The predicted ranges of temperature are as follows: 15.0°C to 28.6°C in the mountainous areas of Luzon, 18.0°C to 38.4°C for the rest of Luzon, 20.0°C to 38.7°C in Visayas, 17.9°C to 34.5°C in the mountainous areas of Mindanao; 18.1°C to 37.9°C for the rest of Mindanao and 23.0°C to 38.0°C in Metro Manila.

PAGASA will continue to closely monitor the climate conditions that may affect the country, especially on the ongoing La Niña and updates shall be issued as appropriate. For further information, please contact the Climatology and Agrometeorology Division (CAD) at telephone number 8284-0800, local 906.

  
Vicente B. MALANO, Ph.D.  
Administrator

Date Issued: 03 June 2022



# Weather systems that may affect the country

July – December 2022

*Watch*



THUNDERSTORMS



INTER-TROPICAL  
CONVERGENCE ZONE (ITCZ)



SOUTHWEST  
MONSOON



LOW PRESSURE  
AREAS (LPAs)



TROPICAL CYCLONES



RIDGE OF HIGH  
PRESSURE AREAS (HPAs)



EASTERLIES



TAIL-END OF THE  
FRONTAL SYSTEM  
(SHEAR LINE)



NORTHEAST  
MONSOON

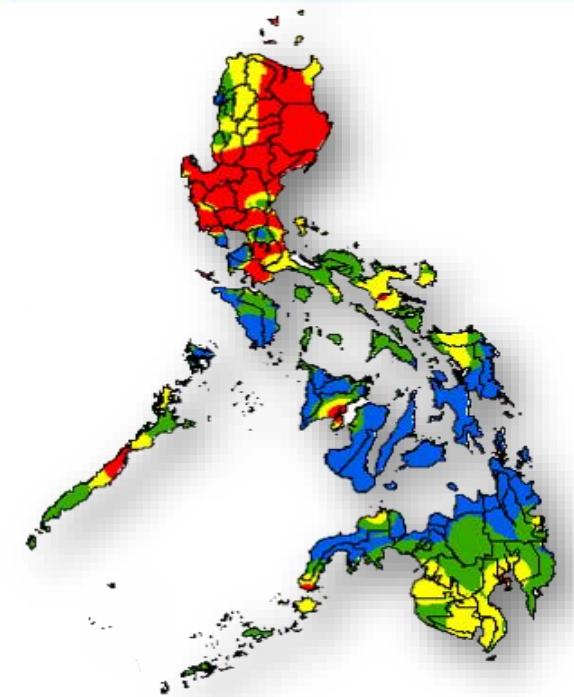
\*Transition to NE (Oct)

# ABOUT OUR RAINFALL MAPS



For more details  
and updates

PERCENTAGE (%)	RAINFALL CONDITION
Less than or = 40	way below normal
41 - 80	below normal
81 - 120	near normal
Greater than 120	above normal



## Rainfall Surplus or Reduction

$$\text{Percent of Normal} = \frac{\text{Forecast Rainfall}}{\text{Normal Rainfall}} \times 100\%$$



to



### WAY BELOW NORMAL

Greater  
than 60%  
reduction  
from the  
normal\*



to



### BELOW NORMAL

20%-60%  
reduction  
from the  
normal

### NEAR NORMAL

+20% or -20%  
from the  
normal

### ABOVE NORMAL

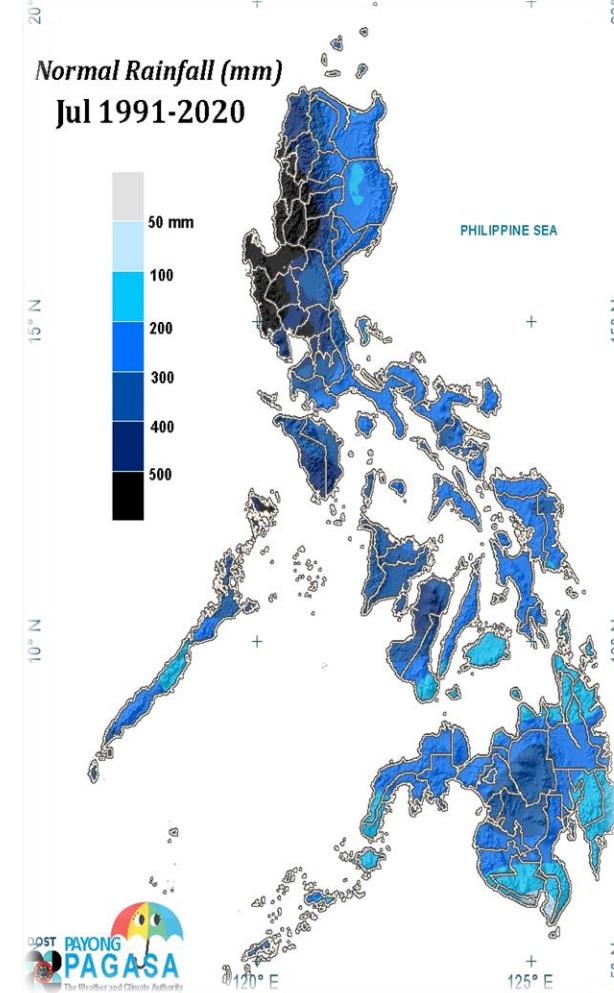
120%  
greater  
than the  
normal

\*Normal - Refers to 30-year average rainfall

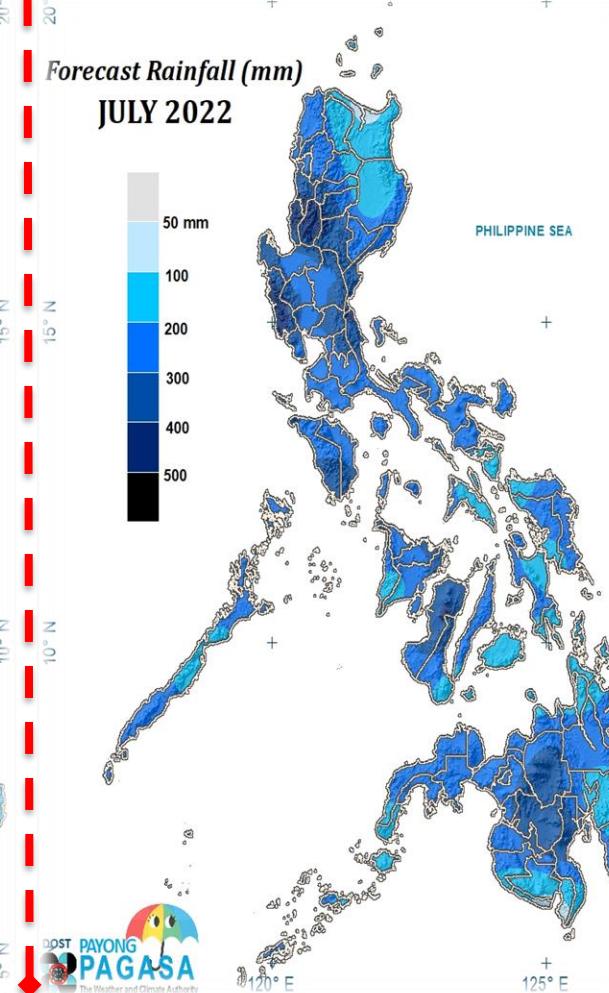
# MONTHLY RAINFALL FORECAST

JULY 2022

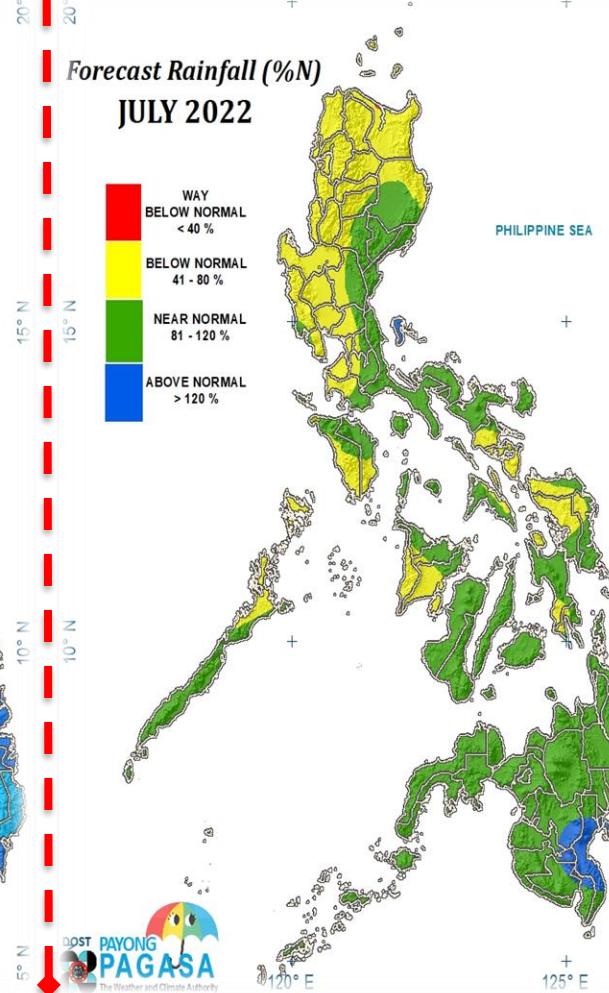
## Normal Rainfall



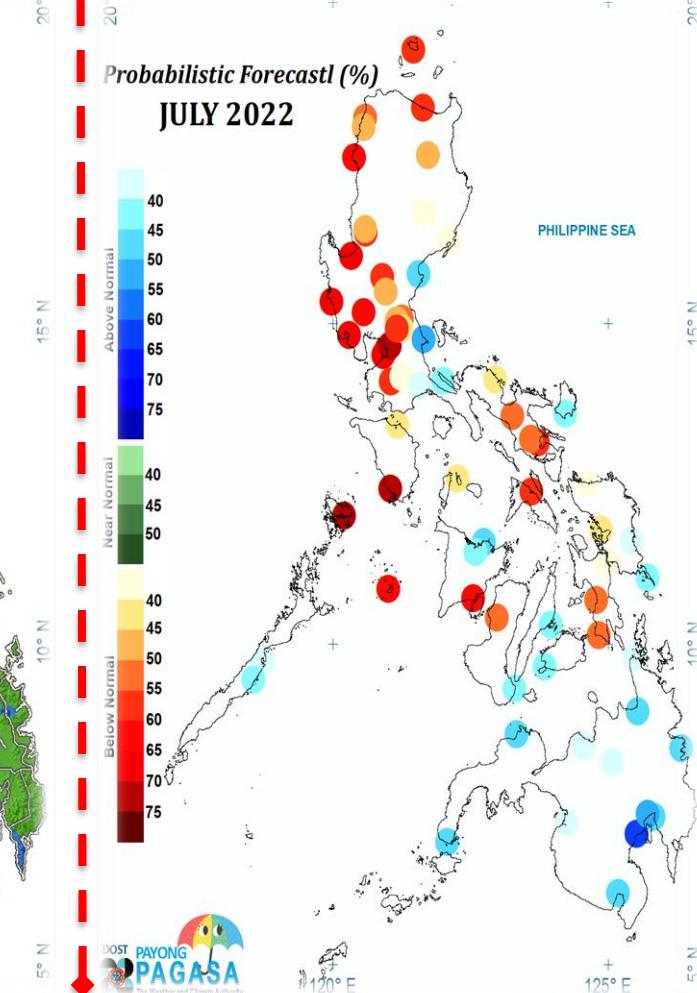
## Forecast Rainfall



## Percent of Normal



## Probabilistic Forecast



way below normal

below normal

near normal

above normal

0

30

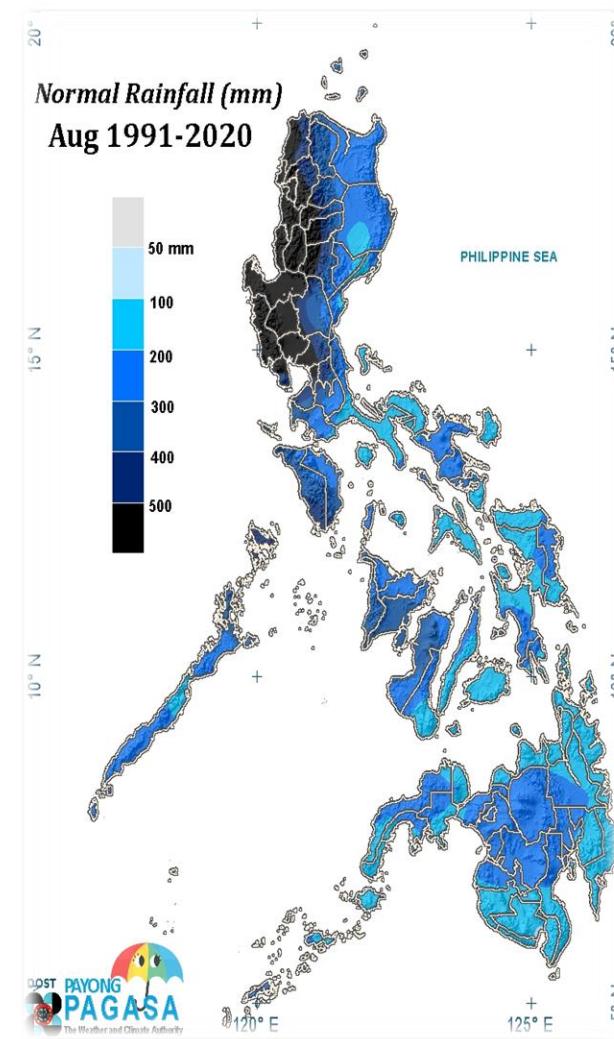
51

2

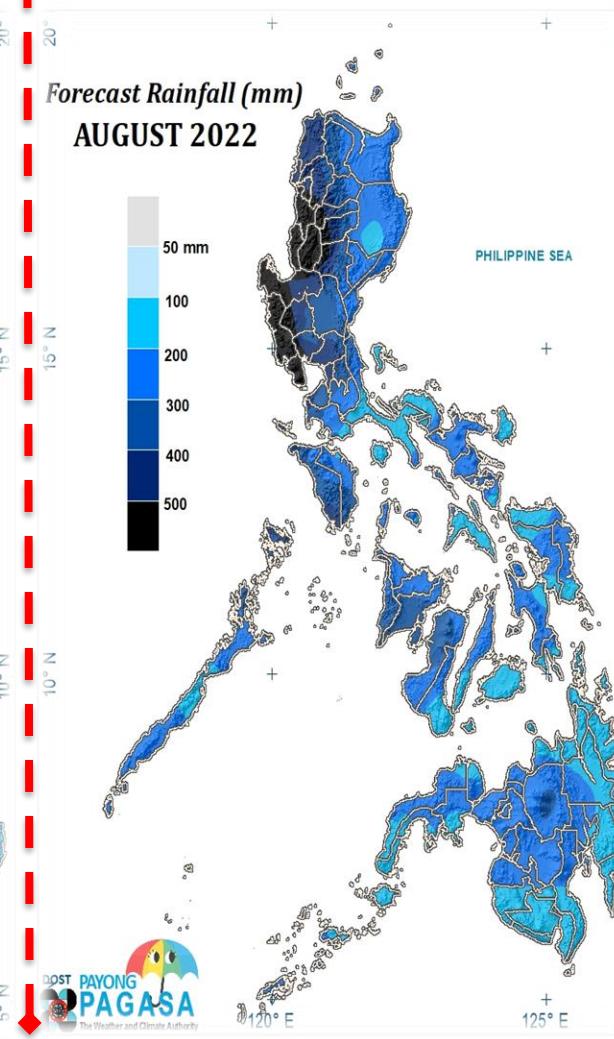
# MONTHLY RAINFALL FORECAST

**AUGUST 2022**

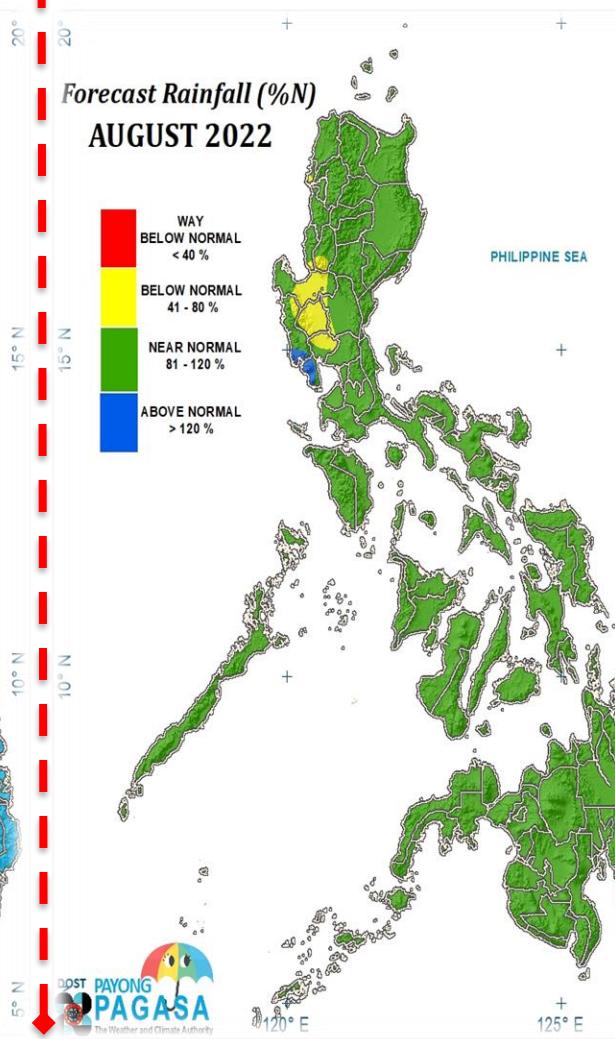
## Normal Rainfall



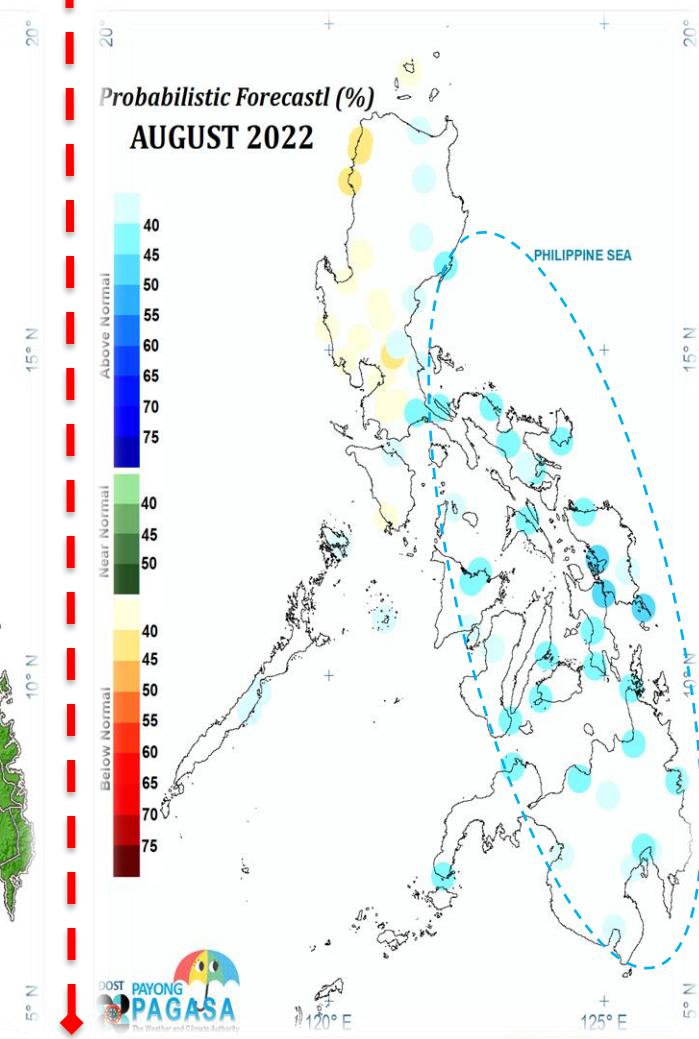
## Forecast Rainfall



## Percent of Normal



## Probabilistic Forecast



way below normal

0

below normal

2

near normal

80

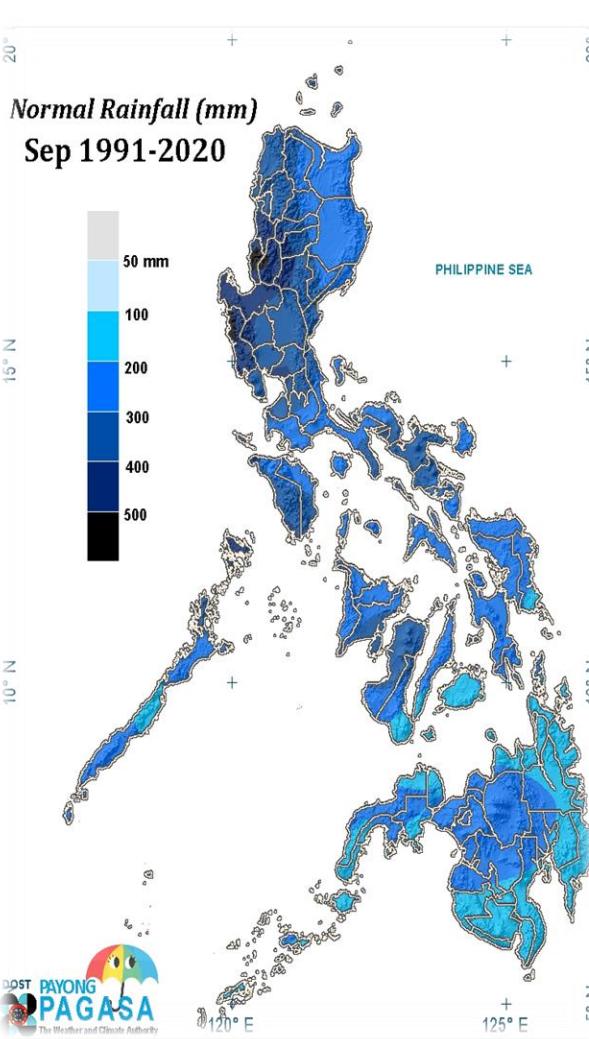
above normal

1

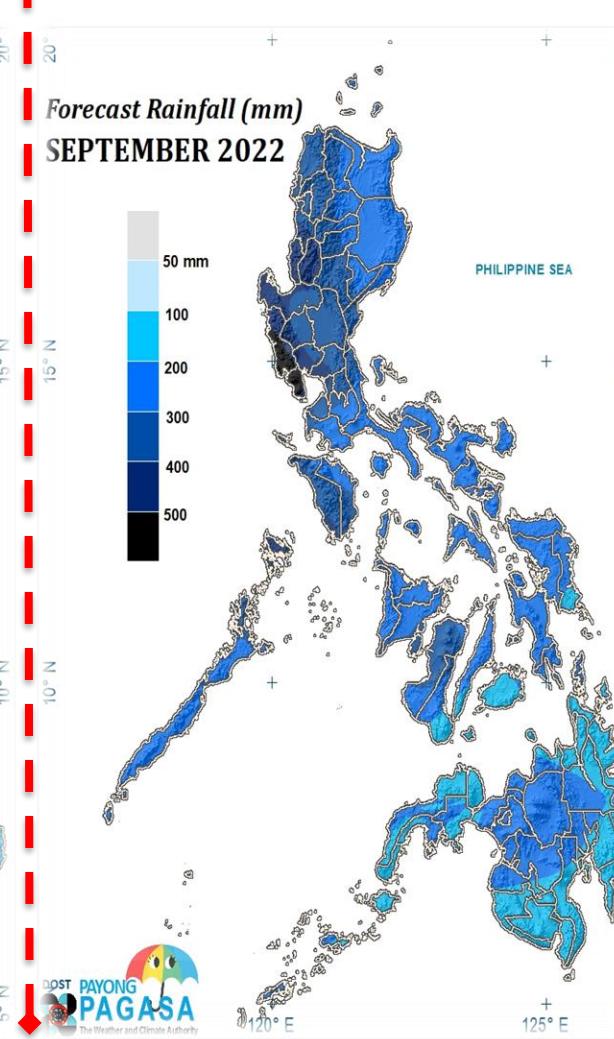
# SEPTEMBER 2022

# MONTHLY RAINFALL FORECAST

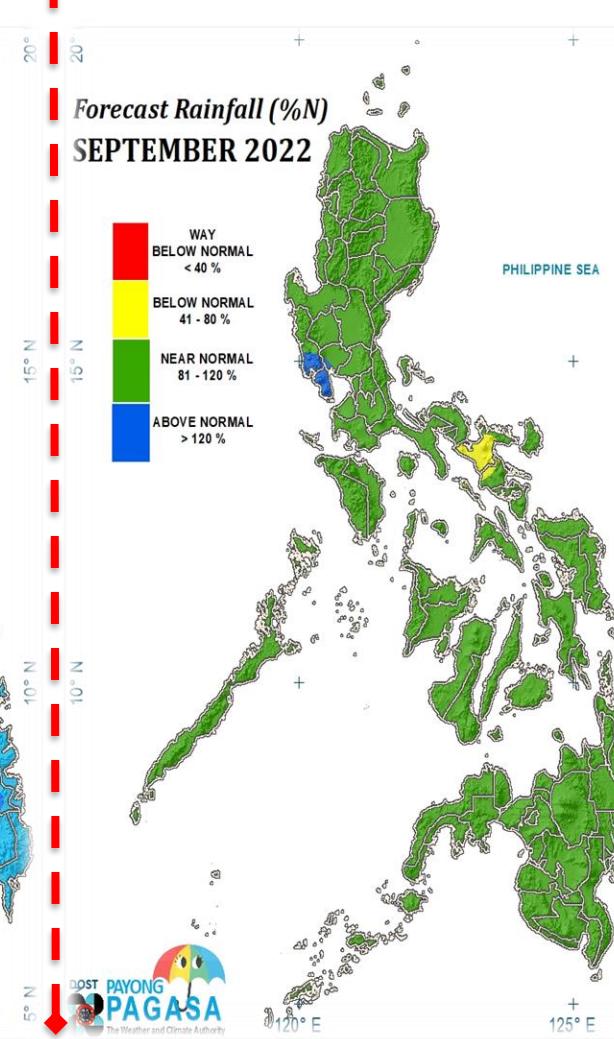
## Normal Rainfall



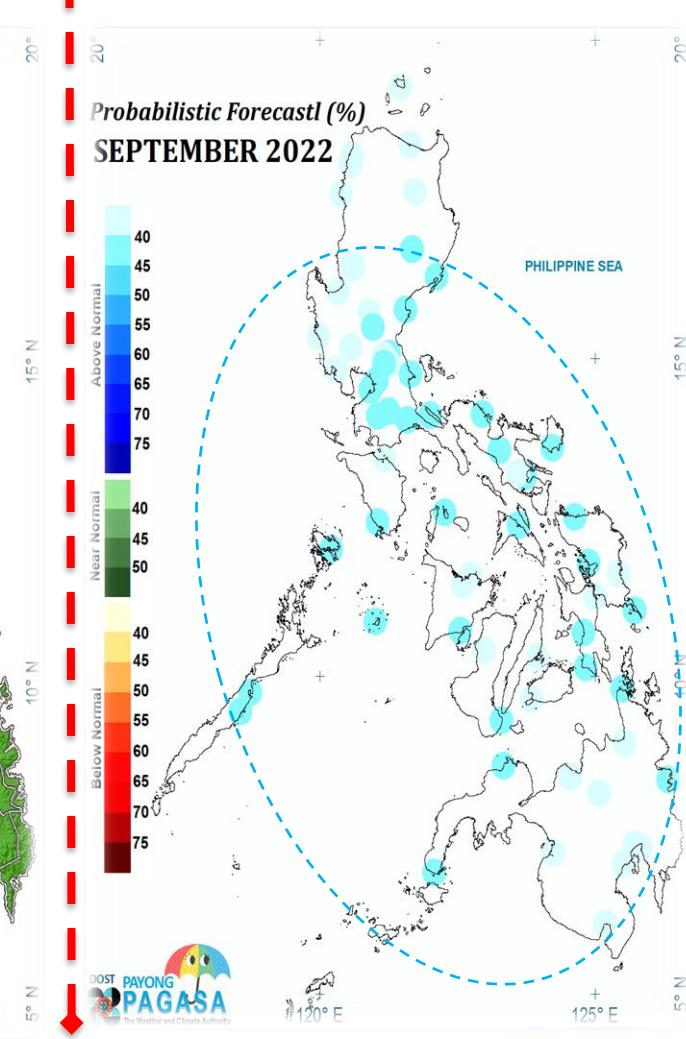
## Forecast Rainfall



## Percent of Normal



## Probabilistic Forecast



way below normal

0

below normal

0

near normal

82

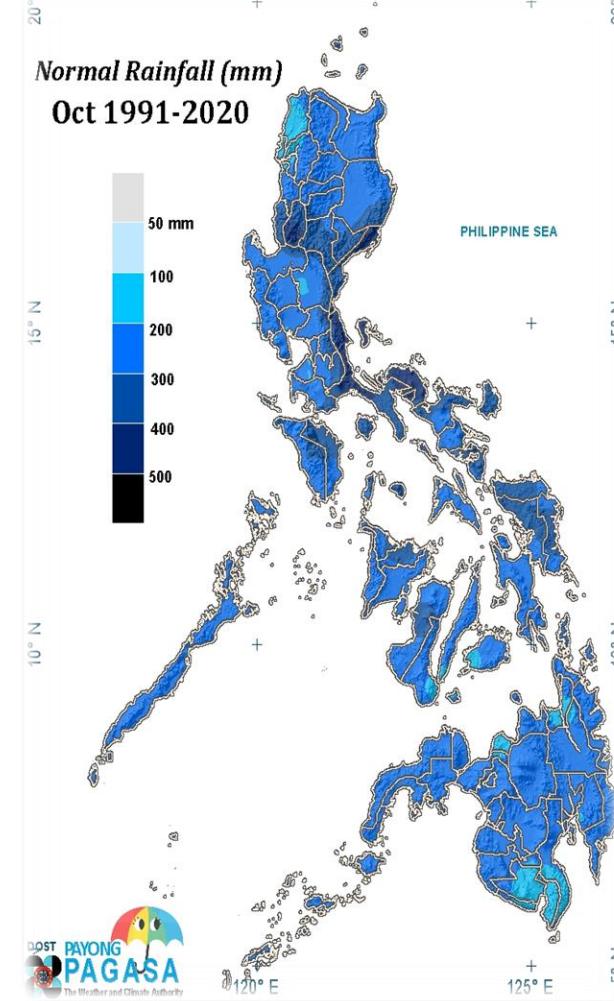
above normal

11

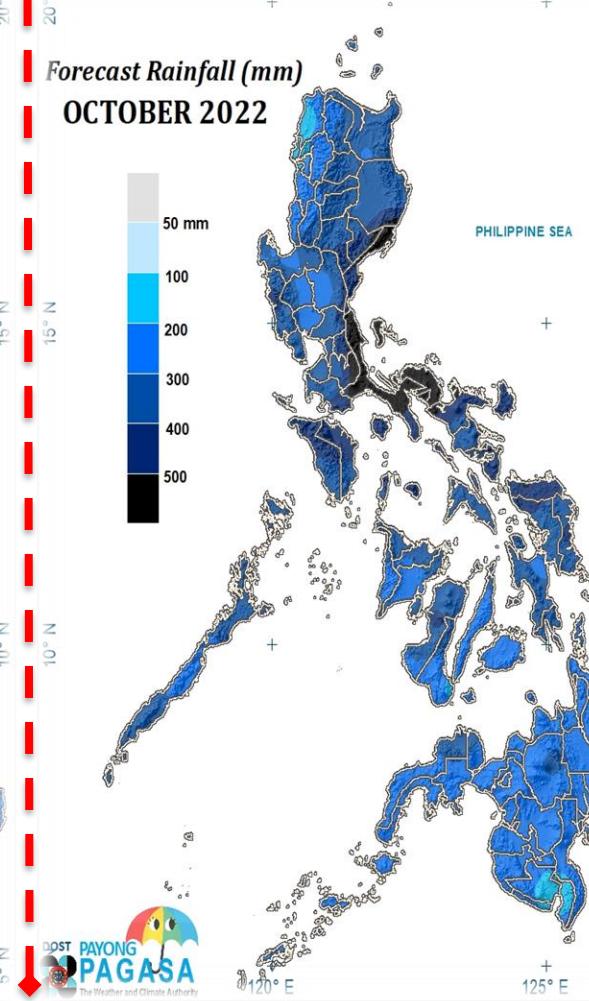
# OCTOBER 2022

# MONTHLY RAINFALL FORECAST

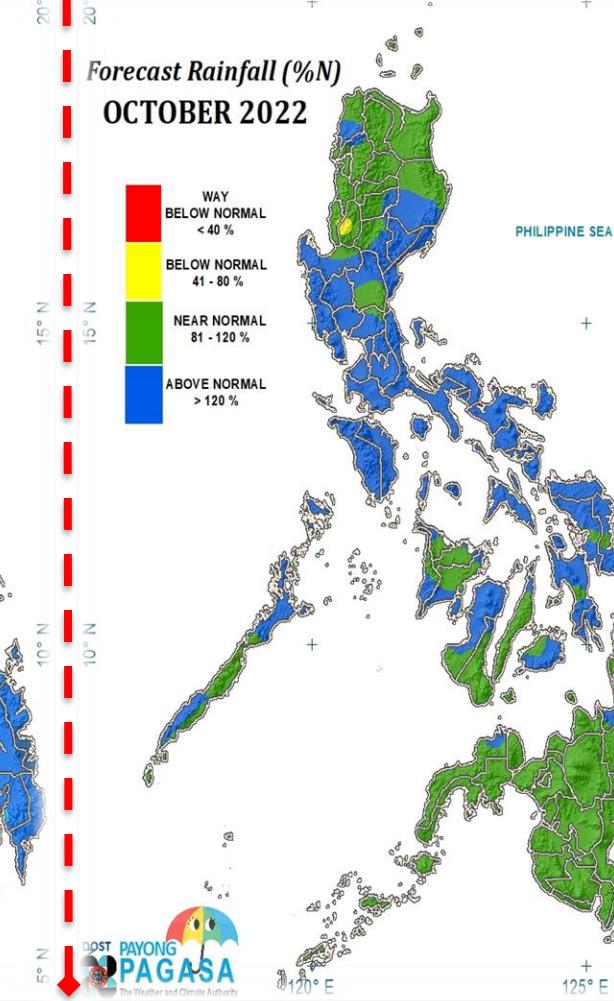
## Normal Rainfall



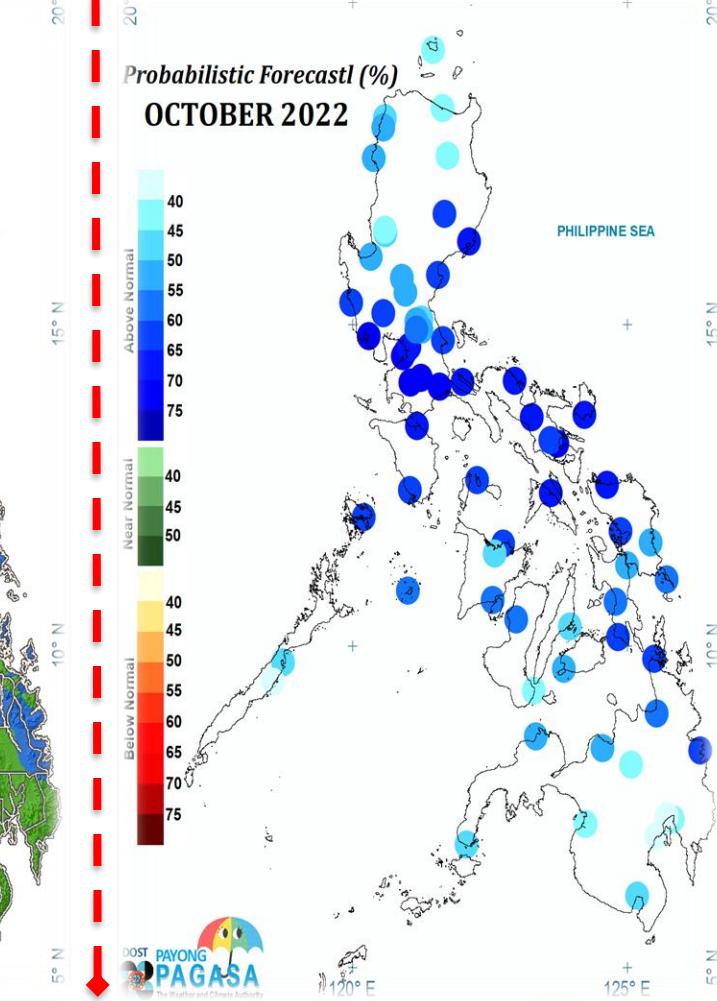
## Forecast Rainfall



## Percent of Normal



## Probabilistic Forecast



way below normal

0

below normal

0

near normal

41

above normal

42

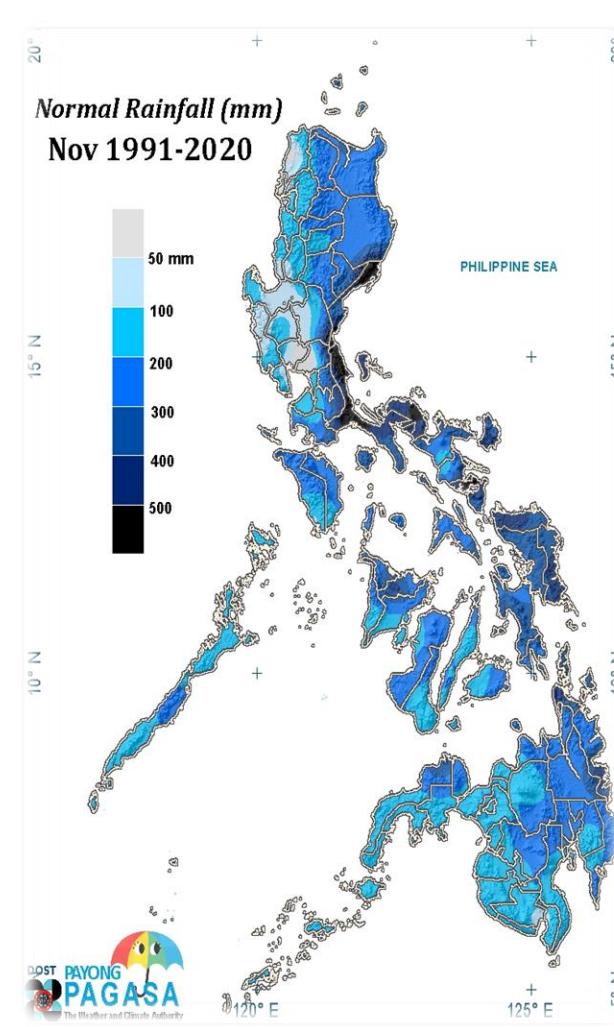


PAGASA  
The Weather and Climate Authority

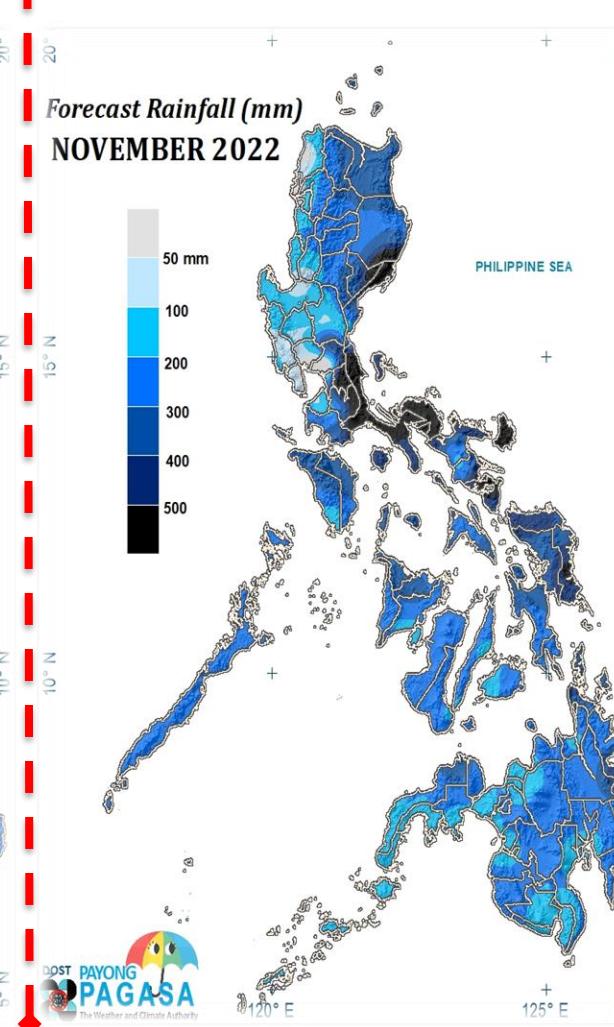
# MONTHLY RAINFALL FORECAST

**NOVEMBER 2022**

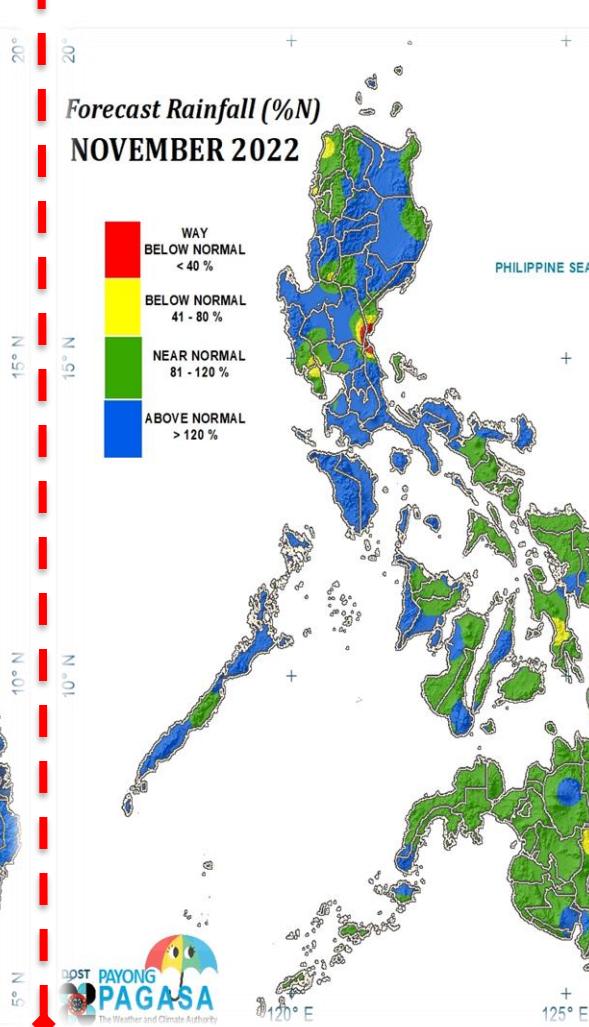
## Normal Rainfall



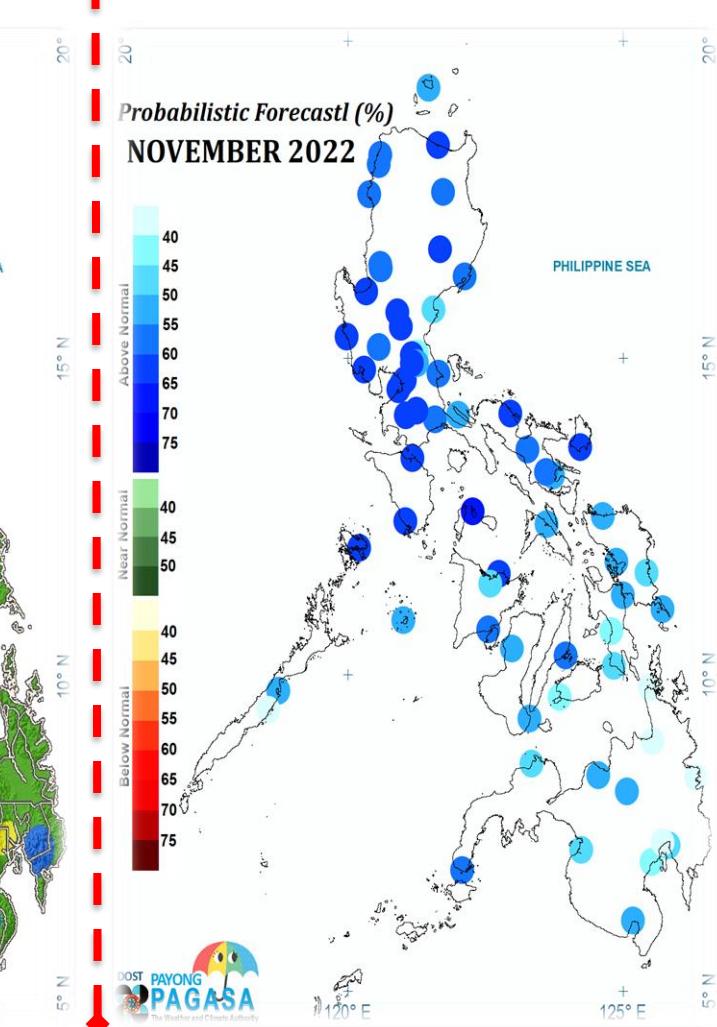
## Forecast Rainfall



## Percent of Normal



## Probabilistic Forecast



way below normal

0

below normal

0

near normal

49

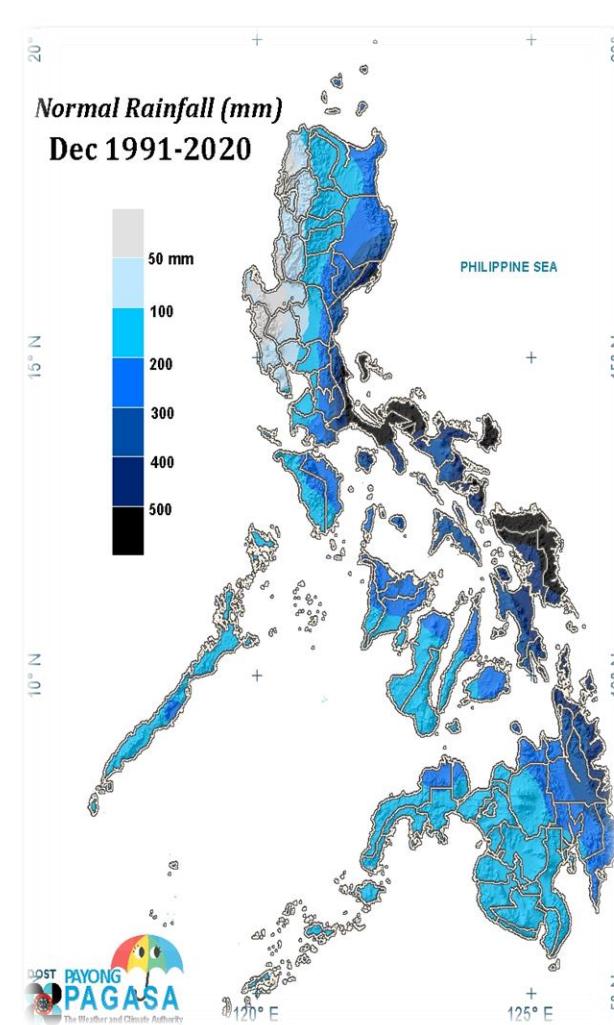
above normal

34

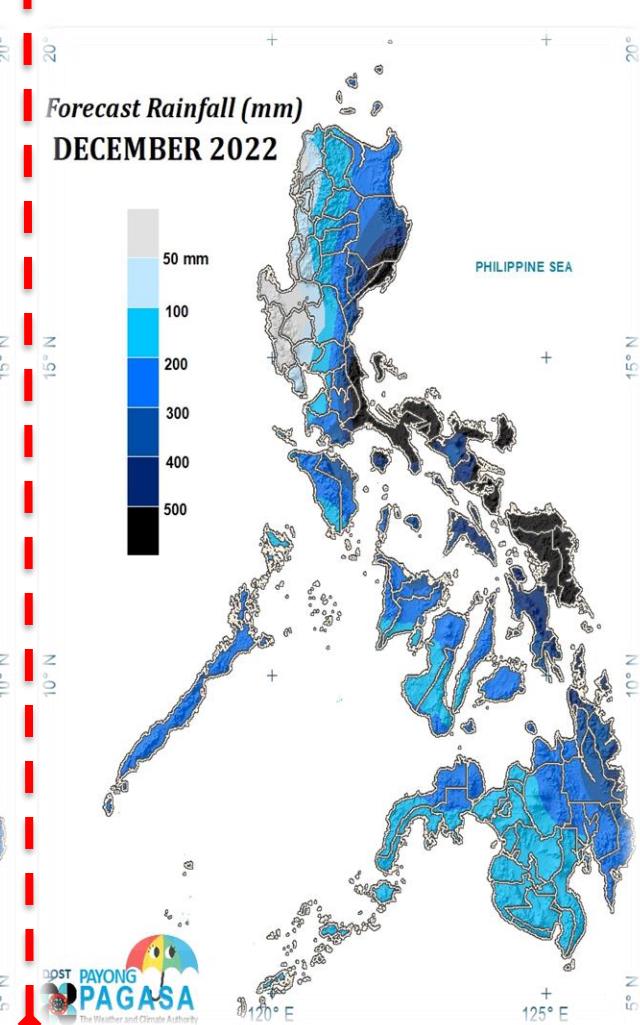
# MONTHLY RAINFALL FORECAST

**DECEMBER 2022**

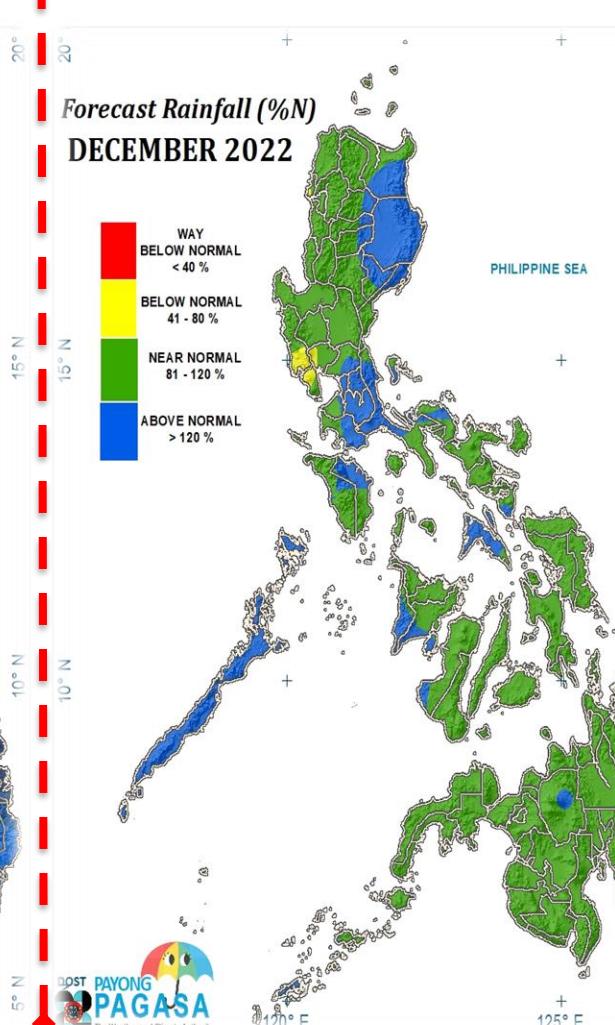
## Normal Rainfall



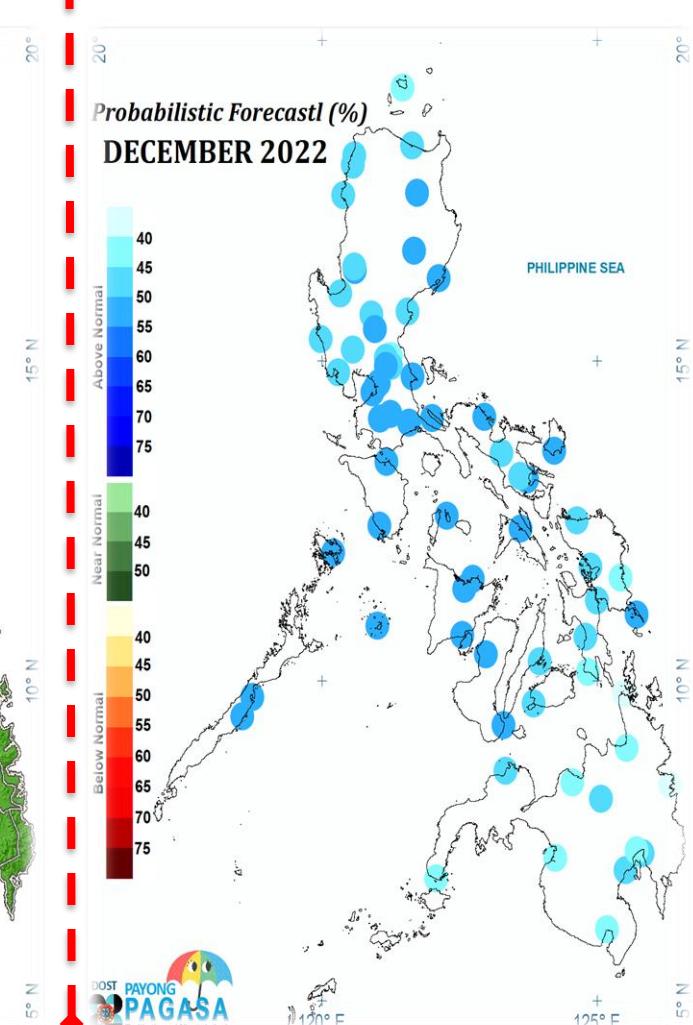
## Forecast Rainfall



## Percent of Normal



## Probabilistic Forecast



way below normal

0

below normal

1

near normal

69

above normal

13



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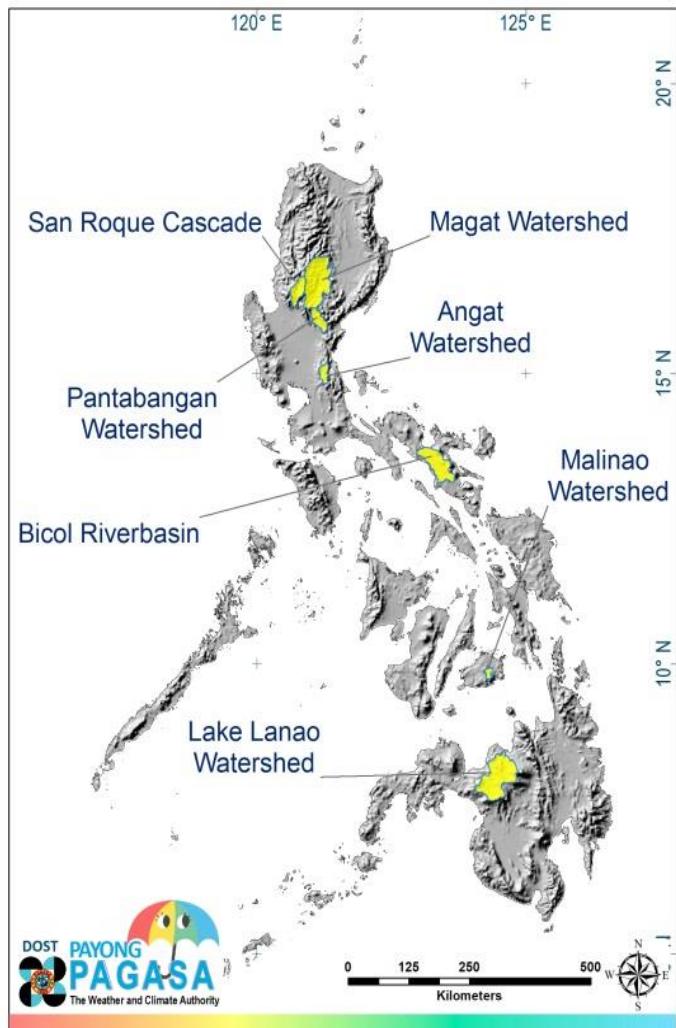




# FORECAST WATERSHED RAINFALL for selected Dams and Lakes

*in (mm) and (%N) FOR JUL - DEC 2022*

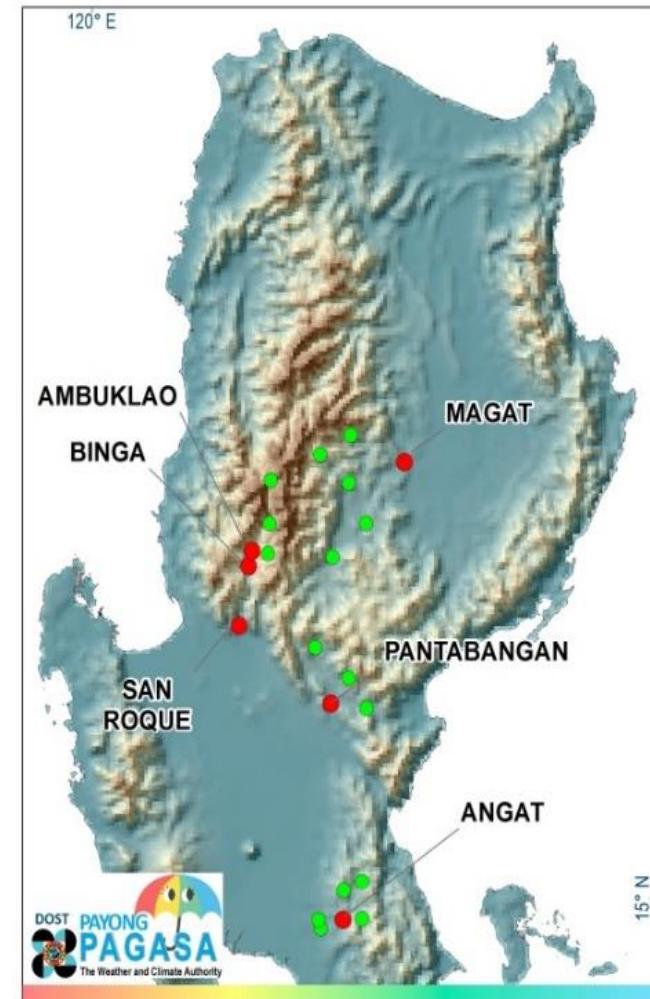
NAME		Angat WS	La Mesa WS	Lake Buhi	Lake Lanao	Magat WS	Malinao WS	Pantabangan WS	San Roque Cascade WS
JULY	MIN	362.5	293.5	221.2	229.3	218.9	146.9	285.5	342.1
	MAX	402.2	331.5	250.7	334.6	433.3	166.5	339.9	472.3
	MEAN	383.9	316.0	240.6	278.7	344.5	155.1	312.5	433.1
	%NORMAL	88.9	66.5	81.4	98.8	78.6	98.5	90.4	66.7
AUGUST	MIN	331.0	426.3	209.1	215.7	285.8	144.8	260.3	519.5
	MAX	426.3	448.9	251.4	294.3	616.4	163.7	416.7	792.6
	MEAN	396.0	438.9	231.4	254.3	447.4	155.5	325.8	638.9
	%NORMAL	93.7	83.3	100.2	109.6	91.7	105.4	97.9	82.8
SEPTEMBER	MIN	341.3	392.3	253.8	217.1	266.8	162.4	323.7	394.7
	MAX	387.6	398.3	274.9	277.9	404.0	186.3	369.9	429.2
	MEAN	366.9	395.0	266.8	247.5	347.4	174.2	347.5	412.7
	%NORMAL	100.6	99.4	76.2	102.7	90.6	99.1	99.3	88.1
OCTOBER	MIN	325.3	368.4	324.3	209.8	297.0	253.1	328.9	294.6
	MAX	496.7	384.5	538.7	281.0	401.8	280.4	417.7	373.3
	MEAN	424.8	375.9	406.5	242.3	336.3	269.6	377.0	338.1
	%NORMAL	122.8	135.0	143.5	113.1	113.1	122.1	127.0	89.6
NOVEMBER	MIN	259.4	133.6	181.6	120.8	173.8	208.4	181.3	73.8
	MAX	648.0	235.7	479.3	227.6	309.3	245.8	313.5	218.4
	MEAN	423.2	188.5	276.7	182.9	253.5	230.2	242.0	139.5
	%NORMAL	119.9	144.2	117.9	110.2	119.7	109.7	124.4	101.1
DECEMBER	MIN	244.6	215.0	352.1	167.8	128.8	233.5	135.5	59.1
	MAX	413.7	259.0	521.3	198.7	309.0	257.9	292.5	143.5
	MEAN	323.2	234.3	421.0	181.7	198.7	246.5	207.3	99.3
	%NORMAL	120.6	129.9	104.7	111.1	112.2	106.9	99.4	102.4



# FORECAST RAINFALL OF RAIN STATIONS OVER SELECTED DAM AREAS

*in (mm) and (%N) FOR JULY - DECEMBER 2022*

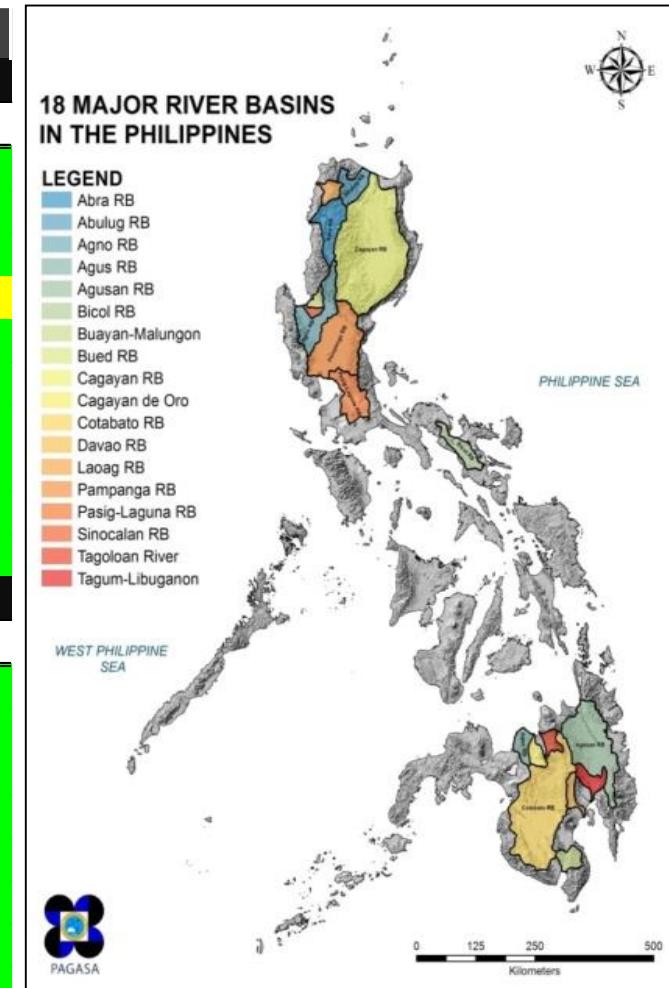
SITES	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	MM	%NORMAL	MM	%NORMAL	MM	%NORMAL	MM	%NORMAL	MM	%NORMAL	MM	%NORMAL
AMBUKLAODAM	452.6	66.7	683.7	83.2	419.7	87.2	336.6	82.7	140.6	103.5	98.7	101.8
ANGATDAM	364.6	78.5	390.3	85.2	387.2	100.7	322.1	125.7	265.8	134.4	271.6	133.0
APUNAN	447.1	69.2	657.1	87.0	410.4	86.9	309.8	88.8	185.3	125.0	119.6	104.2
BADAYAN	426.1	68.5	630.1	87.4	400.1	87.8	293.2	94.1	230.6	143.9	123.8	104.5
BINGADAM	437.2	65.5	660.2	80.4	419.3	87.9	351.3	84.7	120.4	89.2	91.1	101.7
BOBOK	447.7	69.4	630.2	84.4	412.2	87.9	349.2	90.4	158.3	99.1	116.9	102.9
BUNGA	319.0	80.3	387.9	91.6	363.2	96.7	381.2	125.9	238.5	121.6	177.3	100.8
BUYOC	316.1	79.2	418.8	92.2	325.2	89.8	305.4	115.8	253.6	125.7	208.7	116.5
DANTOR	276.1	74.9	404.1	91.7	308.9	91.1	308.7	117.2	257.5	125.1	195.1	116.5
DUMAYUP	313.9	85.2	373.0	94.8	318.7	90.9	333.5	118.8	283.5	127.2	251.2	118.7
HALONG	340.9	73.3	486.0	89.9	346.4	89.7	303.4	110.7	253.8	128.0	169.5	111.5
IPODAM	328.0	64.3	427.9	83.4	400.3	100.4	325.7	129.9	49.0	121.1	211.2	125.6
MAGATDAM	219.0	82.3	289.0	95.7	267.0	91.6	303.6	125.6	266.0	131.3	266.4	127.0
MAPUTI	393.4	93.4	362.1	101.5	357.9	100.6	485.5	115.8	434.8	96.2	314.8	107.4
MARIKIT	313.7	99.4	284.3	104.8	340.9	101.2	402.3	125.8	272.9	114.5	279.3	98.3
MATULID	379.5	88.3	426.3	88.0	371.2	100.6	386.7	128.3	466.5	137.8	367.8	132.1
NORZAGARAY	333.0	64.8	425.9	83.5	399.9	100.7	321.2	128.8	64.5	126.2	204.3	123.6
PADALIS	319.4	95.0	306.5	99.8	344.2	99.9	387.0	128.9	264.3	126.9	234.3	100.6
PANTABANGAN DAM	301.2	89.2	315.9	97.0	346.9	101.1	333.5	126.7	190.7	133.9	164.4	95.2
SANROQUEDAM	341.6	60.0	523.7	78.4	398.8	92.1	348.7	108.8	91.0	90.6	71.6	99.6
STODOMINGO	372.5	81.9	452.2	92.9	363.2	90.9	350.2	110.1	256.9	111.7	206.7	110.8
TALAGUIO	378.1	83.5	416.1	90.8	370.9	100.5	402.6	126.8	362.2	133.3	262.7	122.5
UMIRAY	390.9	100.1	362.4	96.5	347.8	100.4	488.5	127.2	656.1	127.9	442.8	124.4



# FORECAST RAINFALL OVER SELECTED RIVER BASINS

*in (mm) and (%N) FOR JUL - SEP 2022*

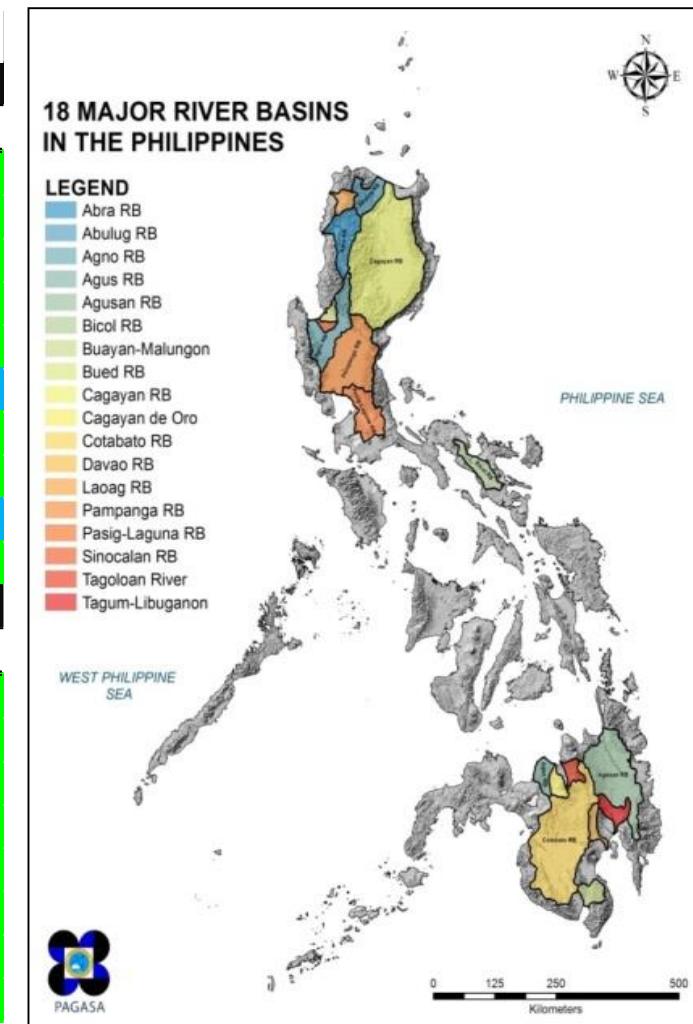
CATCHMENT	JULY 2022				AUGUST 2022				SEPTEMBER 2022			
	LUZON											
CATCHMENT	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal
Abra RB	211.6	441.3	289.2	58.6	348.8	672.7	479.0	86.2	310.1	411.8	364.1	98.2
Abulug RB	85.1	225.0	163.1	48.8	208.1	400.5	309.8	91.9	270.8	338.9	303.5	104.0
Agno RB	245.8	472.5	333.4	57.6	380.8	795.1	526.1	77.9	346.2	475.6	398.4	93.8
Bicol RB	203.6	249.5	235.2	82.0	190.6	251.4	225.3	101.7	254.5	275.3	268.5	77.9
Bued RB	279.1	432.6	332.3	55.6	476.6	711.4	550.9	76.7	384.3	427.0	406.8	90.2
Cagayan RB	79.5	433.3	222.5	77.2	178.8	616.2	287.3	96.2	224.1	404.1	278.2	96.0
Laoag RB	201.1	274.8	247.4	54.9	366.2	515.3	428.7	88.5	327.4	375.2	356.3	100.0
Pampanga RB	244.4	402.2	309.4	75.4	250.5	739.9	390.1	89.1	319.1	540.2	371.9	104.3
Pasig-Laguna RB	221.2	377.0	282.8	75.5	196.3	503.1	333.5	87.1	242.4	464.3	332.6	97.6
Sinocalan RB	258.4	305.7	273.3	51.2	446.7	522.0	477.2	76.1	370.5	412.9	388.0	91.2
MINDANAO												
CATCHMENT	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal
Agus RB	205.5	304.0	244.6	104.2	197.5	271.4	229.6	111.4	207.2	261.6	232.3	103.8
Agusan RB	114.7	299.5	221.5	105.6	118.2	270.7	188.4	99.2	148.3	259.4	198.4	103.7
Buayan-Malungon	118.5	295.8	205.5	127.0	95.8	171.5	136.7	104.6	107.7	141.8	122.8	98.2
Cagayan de Oro	241.0	340.8	296.4	98.9	220.7	301.8	267.0	110.0	231.9	280.4	262.2	105.0
Cotabato RB	113.9	388.5	302.7	103.8	119.4	316.2	242.3	104.4	114.3	281.0	219.8	99.3
Davao RB	258.5	365.6	309.5	106.4	225.8	279.7	259.9	100.6	179.3	258.7	228.1	98.1
Tagoloan River	243.8	329.7	293.5	102.2	221.4	303.3	263.1	108.1	225.4	277.4	253.9	106.1
Tagum-Libuganon	125.1	271.6	185.9	92.7	181.9	259.2	213.3	97.0	184.1	251.7	210.7	98.7



# FORECAST RAINFALL OVER SELECTED RIVER BASINS

*in (mm) and (%N) FOR OCT – DEC 2022*

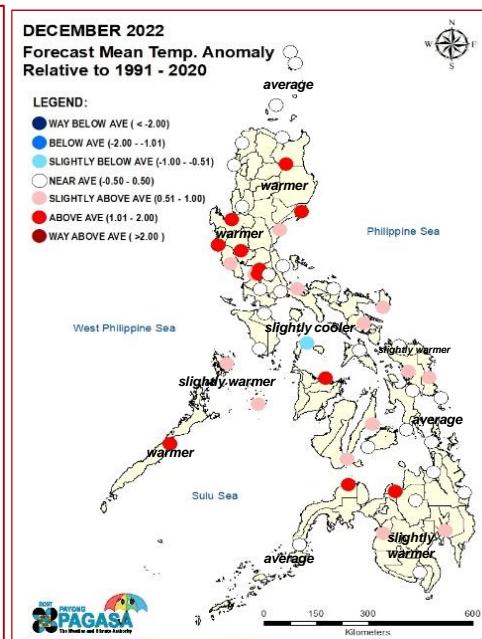
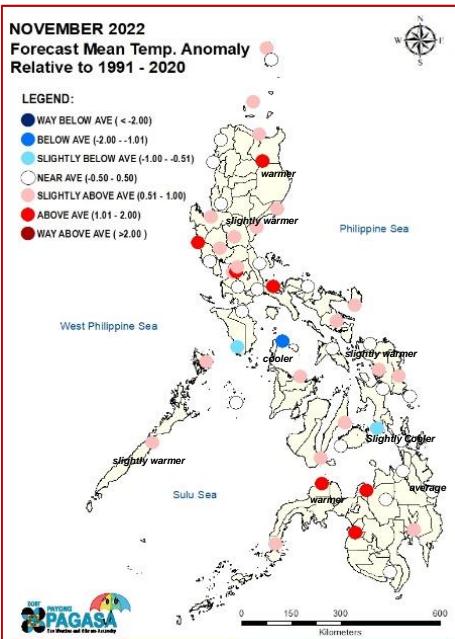
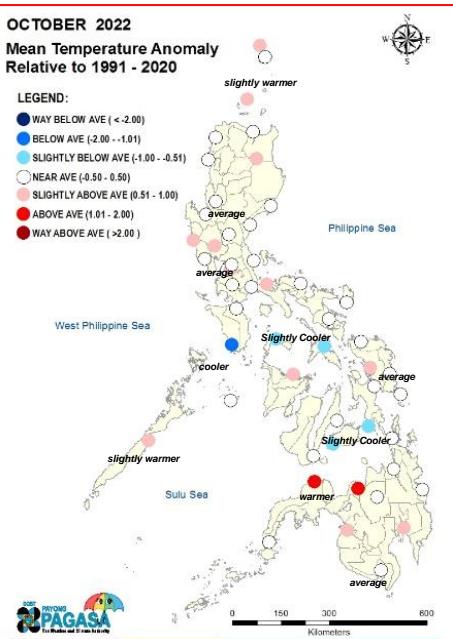
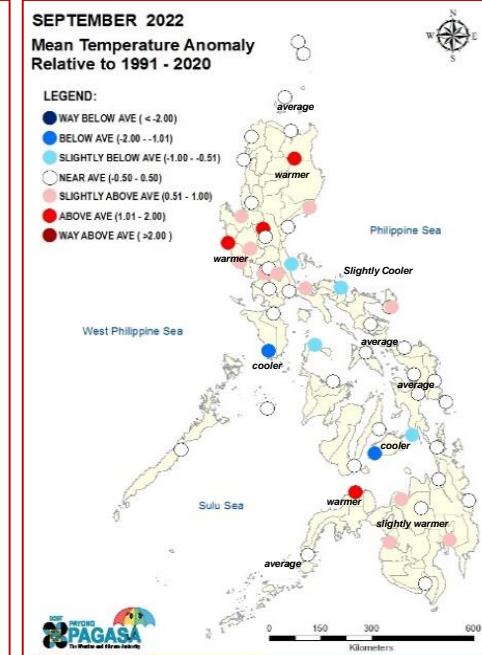
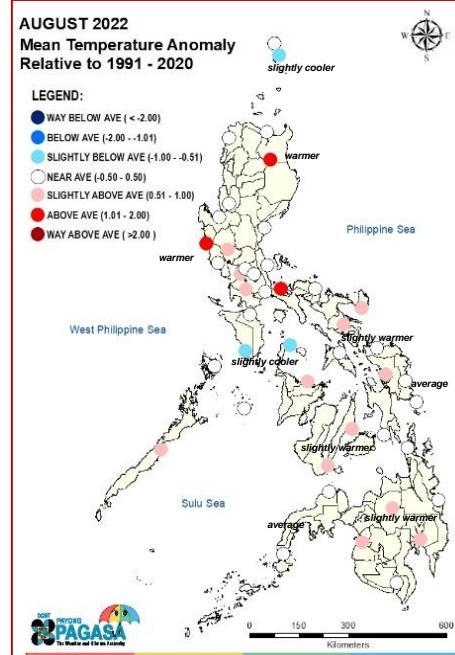
CATCHMENT	OCTOBER 2022				NOVEMBER 2022				DECEMBER 2022			
	LUZON											
	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal
Abra RB	135.1	311.1	252.4	110.1	34.1	288.0	199.8	114.5	34.1	141.6	96.9	95.7
Abulug RB	237.6	317.1	293.1	111.5	181.6	393.5	299.3	118.2	108.1	229.2	164.6	103.9
Agno RB	260.0	399.9	323.1	123.5	74.2	245.7	125.1	130.4	32.4	147.1	63.1	95.6
Bicol RB	324.3	640.4	442.4	143.8	181.6	680.9	336.2	120.2	352.1	707.4	455.8	106.4
Bued RB	266.6	361.1	320.6	105.2	68.4	102.9	79.5	118.1	35.2	68.4	52.0	99.7
Cagayan RB	283.8	608.2	343.1	117.5	171.9	858.8	328.4	125.6	125.1	688.4	283.4	122.4
Laoag RB	127.7	260.4	203.2	121.8	26.9	232.0	117.1	98.2	40.0	129.1	76.7	89.8
Pampanga RB	217.7	496.6	318.7	127.1	0.0	644.2	178.6	121.1	40.7	413.6	146.9	95.4
Pasig-Laguna RB	302.2	592.8	397.6	145.3	0.0	833.3	360.8	154.8	114.7	561.5	308.7	124.7
Sinocalan RB	264.0	332.2	296.9	122.5	88.5	118.3	102.6	158.0	34.7	65.5	42.5	97.2
MINDANAO												
CATCHMENT	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal
Agus RB	209.8	252.4	227.3	114.7	120.8	204.4	152.5	108.2	169.8	198.3	183.6	111.2
Agusan RB	208.0	314.0	263.4	118.1	192.7	420.7	251.1	106.5	223.7	411.4	301.9	105.0
Buayan-Malungon	118.0	233.7	186.0	115.8	97.7	204.1	153.7	119.1	116.9	162.9	143.7	105.9
Cagayan de Oro	216.1	289.5	253.0	113.1	121.6	225.3	173.2	113.9	175.5	198.9	187.5	114.6
Cotabato RB	175.0	320.1	258.4	111.6	139.8	244.7	213.8	109.7	126.5	250.0	168.8	108.0
Davao RB	228.8	280.5	252.7	106.1	155.7	243.2	209.6	81.2	180.8	231.5	195.5	111.7
Tagoloan River	241.1	315.3	284.2	112.9	159.2	234.1	204.8	118.9	197.3	235.6	217.3	117.0
Tagum-Libuganon	194.3	286.9	243.9	107.4	167.8	272.6	230.2	94.8	179.8	313.0	242.4	108.7



# MONTHLY MEAN TEMPERATURE FORECAST (JULY – DECEMBER 2022)

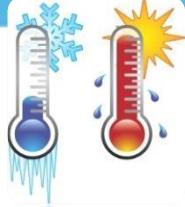
## LEGEND

- WAY BELOW AVE (< -2.00)
- BELOW AVE (-2.00 - -1.01)
- SLIGHTLY BELOW AVE (-1.00 - -0.51)
- NEAR AVE (-0.50 - 0.50)
- SLIGHTLY ABOVE AVE (0.51 - 1.00)
- ABOVE AVE (1.01 - 2.00)
- WAY ABOVE AVE (>2.00 )



# FORECAST RANGES OF EXTREME TEMPERATURE

Updated : 29 June 2022

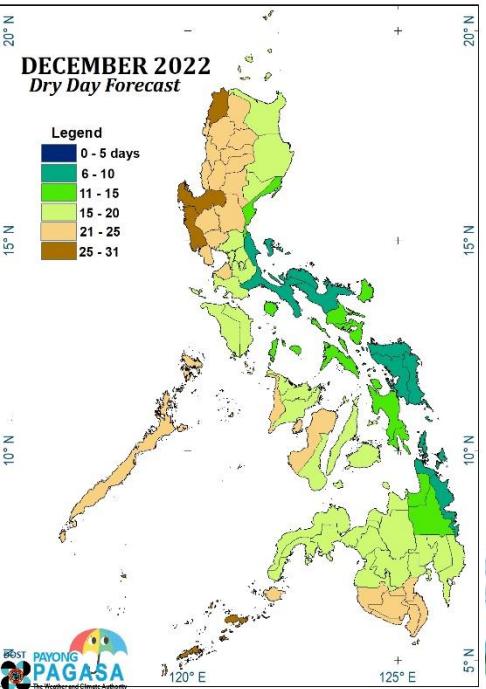
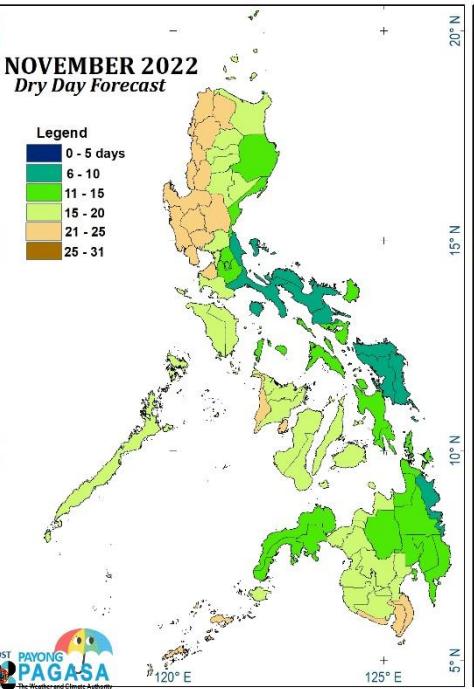
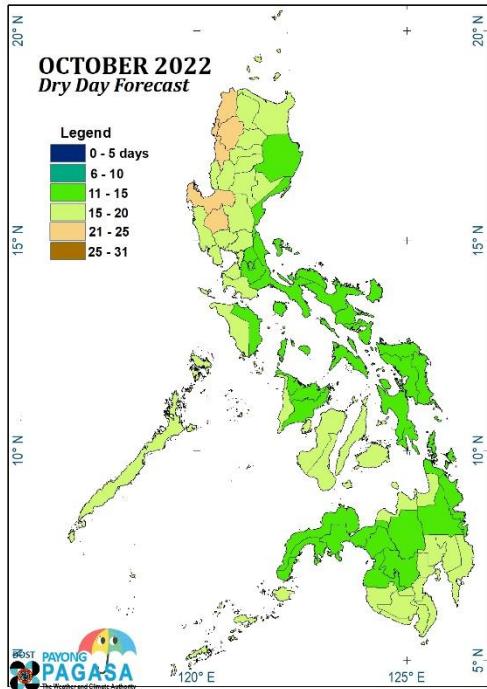
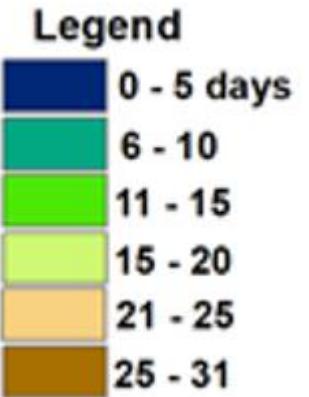
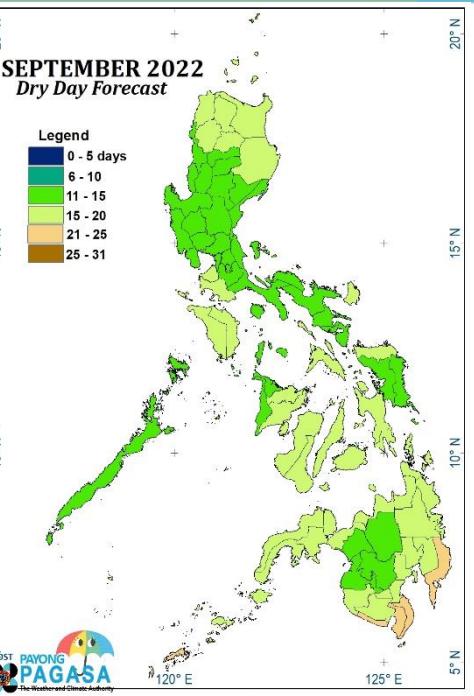
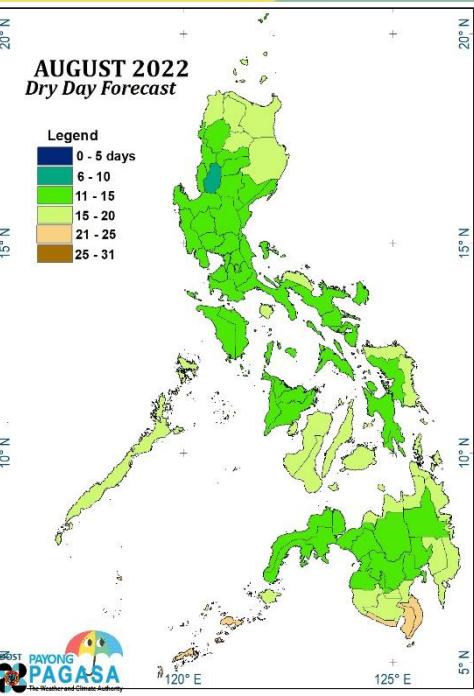
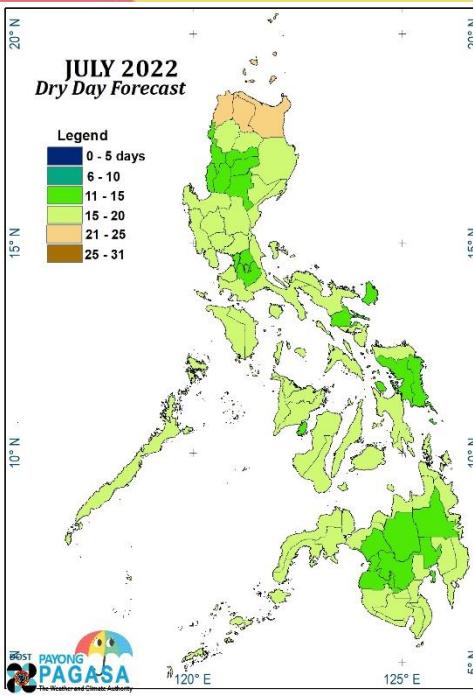


TMAX Summary	Jul-22		Aug-22		Sep-22		Oct-22		Nov-22		Dec-22	
	Tmax-Range											
Northern Luzon	33.4	39.4	32.8	37.3	32.7	36.8	32.1	36.0	32.1	35.4	30.6	34.8
Lowlands Luzon	32.4	37.4	32.2	36.6	32.0	36.9	32.2	35.7	30.8	35.9	30.0	35.4
Mountainous Luzon	25.7	27.8	25.1	27.1	25.0	26.6	25.4	26.8	25.3	26.9	24.9	27.0
Metro Manila	34.2	37.5	33.1	35.9	32.2	35.6	33.1	35.4	32.6	35.0	32.1	34.3
Lowlands Visayas	32.1	36.8	31.5	36.0	31.8	36.5	31.4	35.8	31.2	35.4	30.7	34.8
Lowlands Mindanao	32.9	37.0	33.2	36.6	33.5	37.8	33.2	37.1	32.2	36.9	32.1	36.4
Mountainous Mindanao	31.7	33.5	31.8	33.2	32.1	34.0	32.4	33.7	31.8	33.4	32.4	33.5

TMIN Summary	Jul-22		Aug-22		Sep-22		Oct-22		Nov-22		Dec-22	
	Tmin-Range											
Northern Luzon	20.1	25.6	20.6	24.8	19.8	24.4	18.1	24.8	17.0	22.0	15.4	20.3
Lowlands Luzon	20.8	26.5	20.8	25.3	20.2	26.5	20.0	25.7	18.6	25.5	17.8	25.3
Mountainous Luzon	14.3	16.0	14.5	15.7	13.8	15.9	13.6	15.8	11.8	14.6	10.7	13.0
Metro Manila	22.3	24.8	22.4	24.9	22.1	24.7	21.8	25.3	20.4	24.7	18.9	23.9
Lowlands Visayas	21.1	25.1	21.2	25.4	20.6	25.7	21.4	25.2	20.9	25.2	20.5	24.9
Lowlands Mindanao	20.2	24.7	20.5	24.7	20.4	24.4	20.6	24.4	20.6	24.0	20.5	24.3
Mountainous Mindanao	15.8	18.4	14.9	18.4	15.3	18.3	15.7	18.8	14.8	17.8	14.2	17.4

## DRY DAY FORECAST

JULY – DECEMBER 2022



Note: Dry day is defined as a day with less than 1 mm of rainfall is observed.







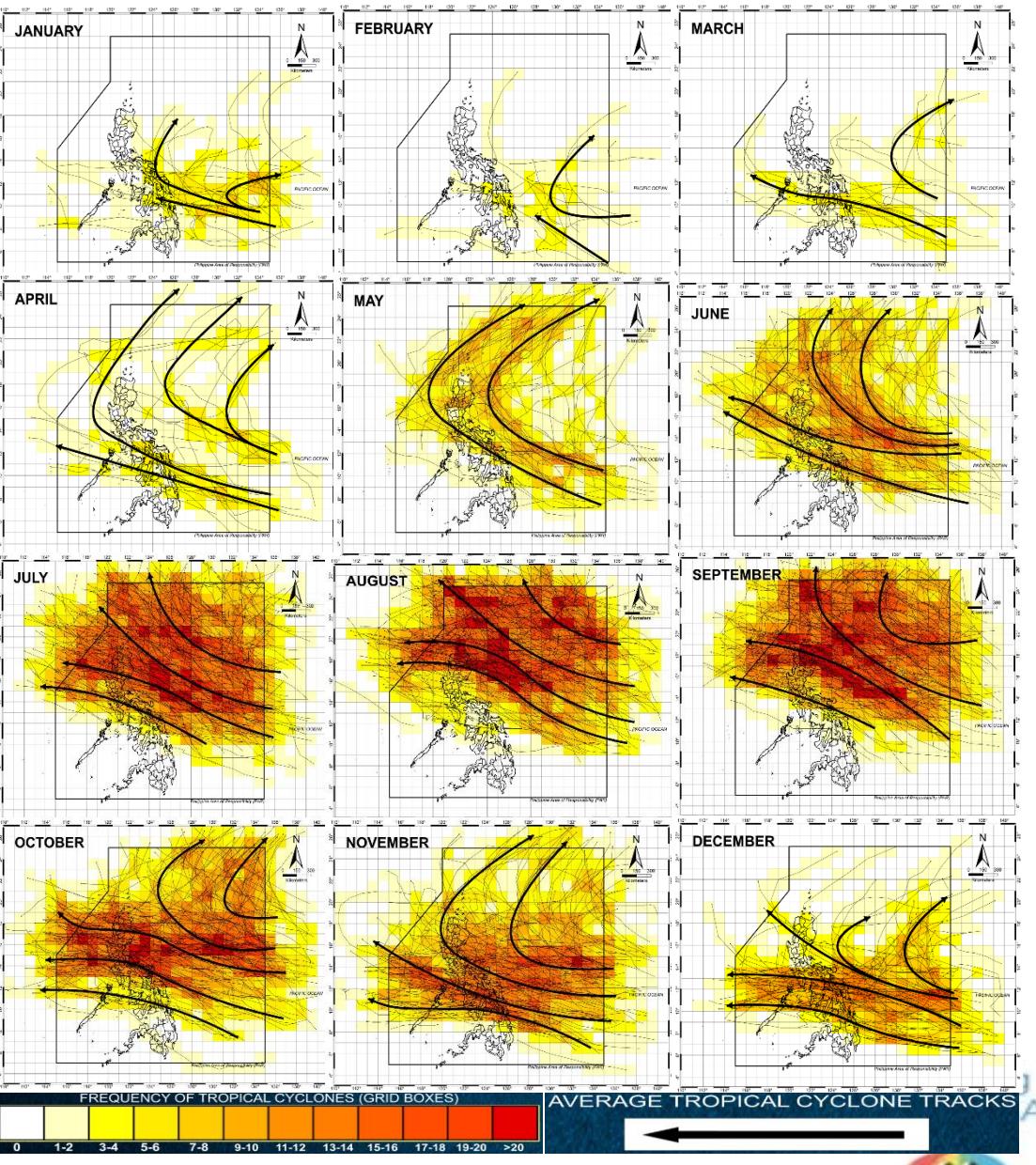
# HOW MANY TROPICAL CYCLONES SHOULD YOU EXPECT?

JULY 2022	2 or 3	OCTOBER 2022	2 to 4
AUGUST 2022	2 or 3	NOVEMBER 2022	2 or 3
SEPTEMBER 2022	2 or 3	DECEMBER 2022	1 or 2

Monthly Average Tropical Cyclone Frequency in the PAR (1948-2021)



Tropical Cyclone Tracks Climatology with actual tracks from 1948-2015



# SUMMARY

- ENSO Alert System Status: **La Niña Advisory #9**

- *Although La Niña is weakening in the tropical Pacific, most climate models predict La Niña to continue until the end of the year (52-59% chance).*

## Forecast Rainfall

- **July 2022** – generally below to near normal rainfall conditions are expected in most areas of Luzon and Visayas, while Mindanao will likely receive near normal rainfall;
- **August to September 2022** – generally near normal rainfall conditions are expected throughout the country; but probability leans toward above normal (40-50%);
- **October to December 2022** – generally near to above normal rainfall conditions are predicted throughout the country and the probability is highly likely.

# SUMMARY

## ▪ Forecast Temperature

- Generally, surface air temperatures range from below average to slightly above average throughout the country during the forecast period.

## ▪ Tropical Cyclone Forecast

- 11 – 15 tropical cyclones are expected to enter/develop in the PAR from July to December 2022.

*Theme: 'Inclusive climate information services for climate – resilient nation'*

# 150<sup>th</sup> National CLIMATE FORUM

27 July 2022, 9:00 AM – 2:30PM

Registration starts at 8:15 AM

Hybrid Forum

Face to Face: venue TBA

Via Zoom / FB Live/ YT





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