

CLIMATE OUTLOOK

JANUARY– JUNE 2022

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



CONTENT



01 ► LA NINA UPDATE

**02 ► Climate Outlook
(JANUARY– JUNE 2022)**

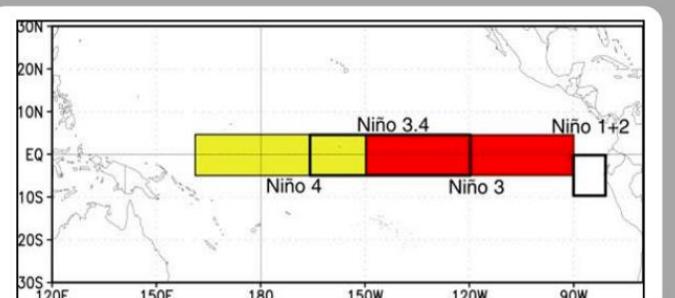
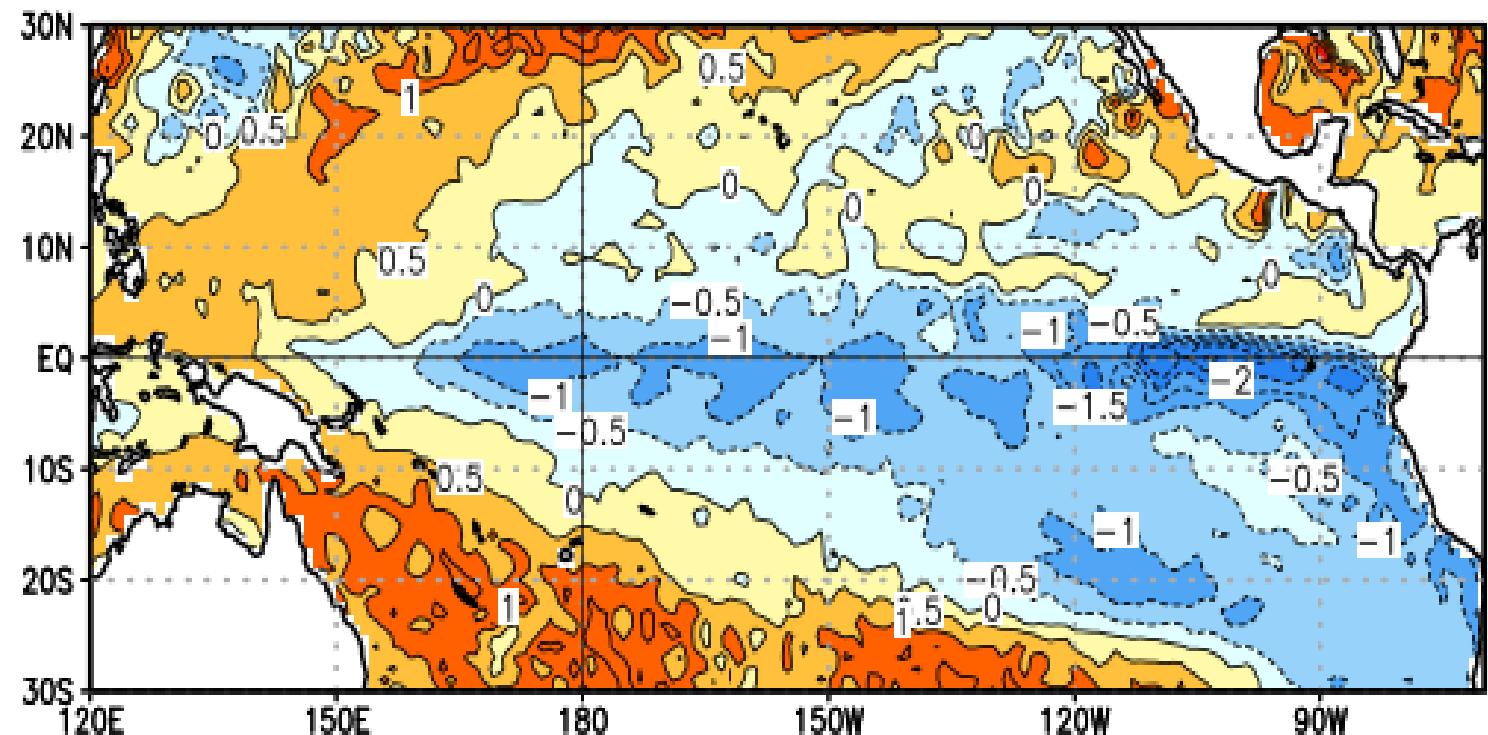
03 ► Summary

Conditions in the Tropical Pacific Ocean

Sea Surface Temperature Anomalies (SSTAs)

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

Average SST Anomalies
21 NOV 2021 – 18 DEC 2021



Conditions in the Tropical Pacific Ocean

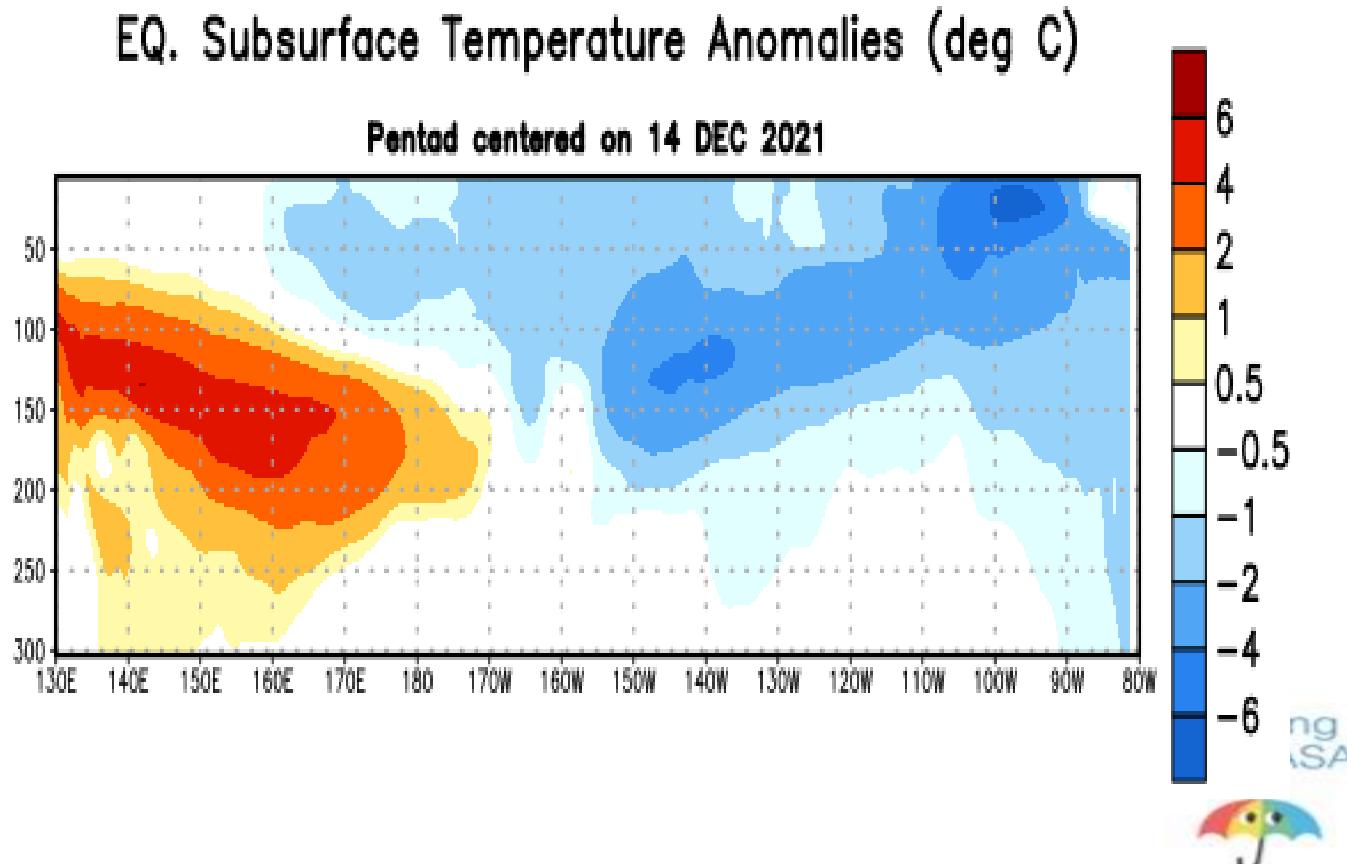
as of 20 December 2021:

weekly SSTA @ niña 3.4

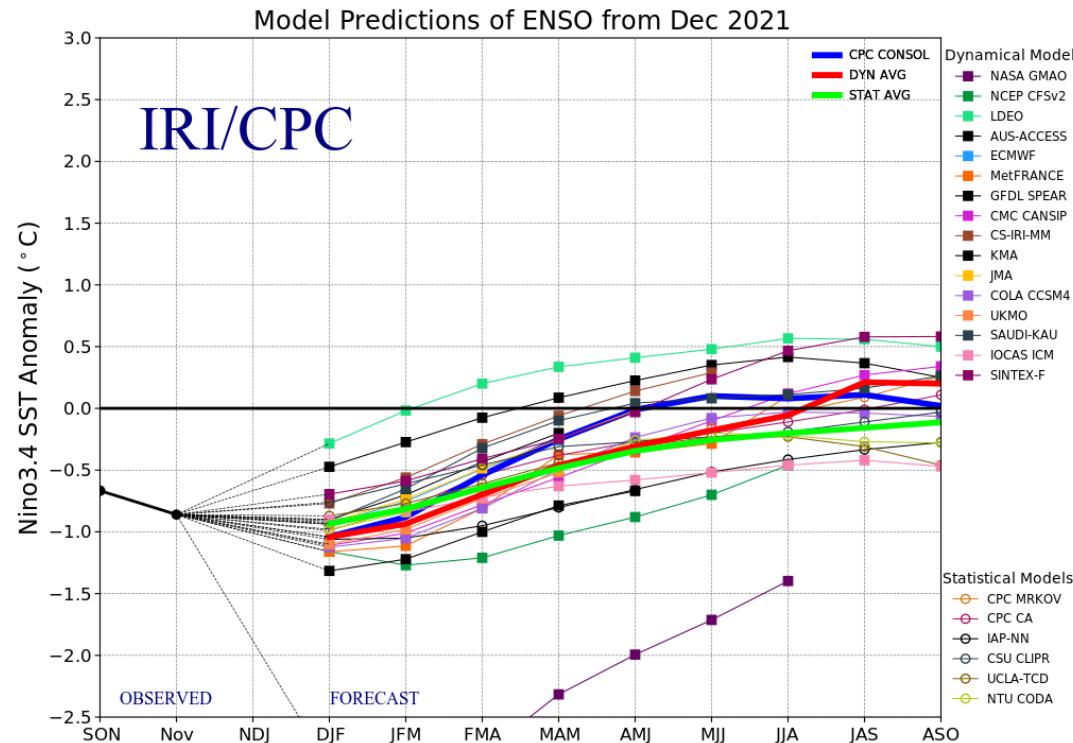
-1.1 °C

Cooler than normal SST in the central and east pacific while warmer than normal in the West Pacific

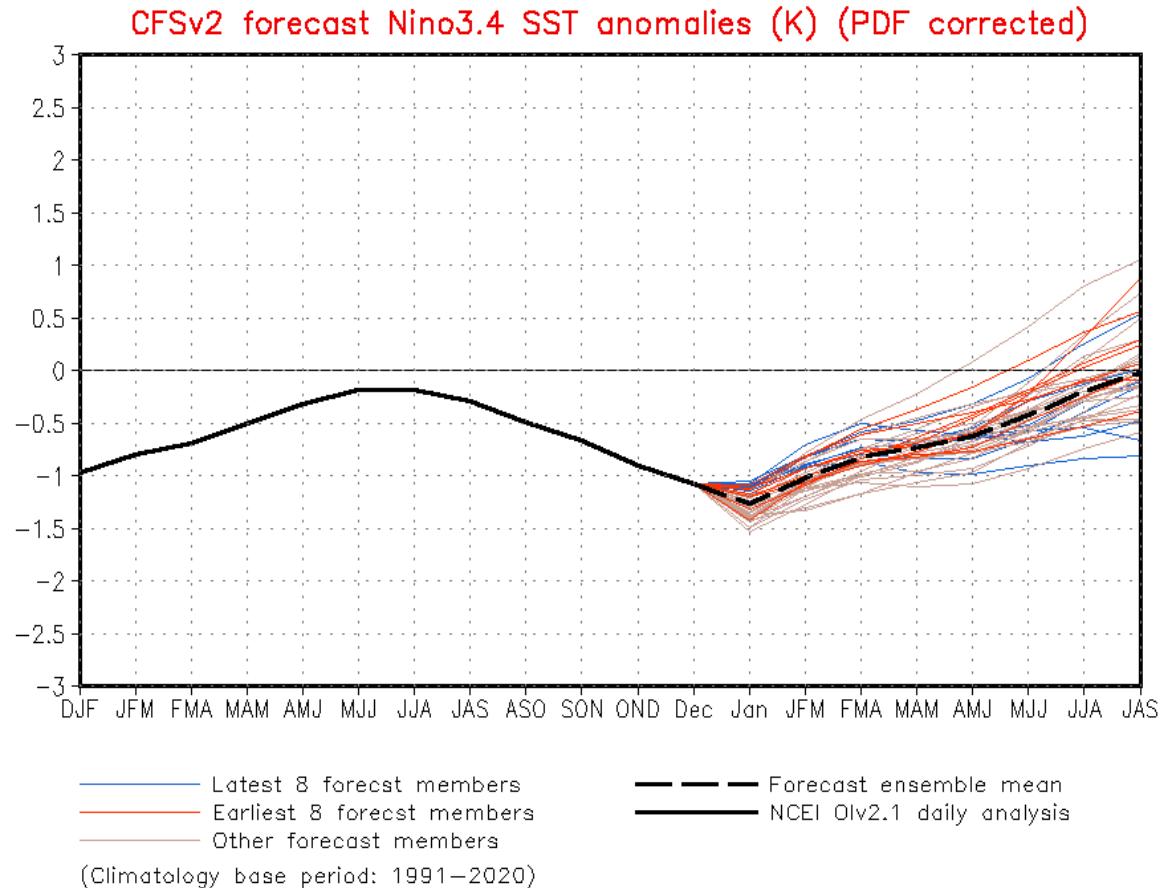
During the last two months, negative subsurface temperature anomalies have persisted across the central and eastern Pacific Ocean.



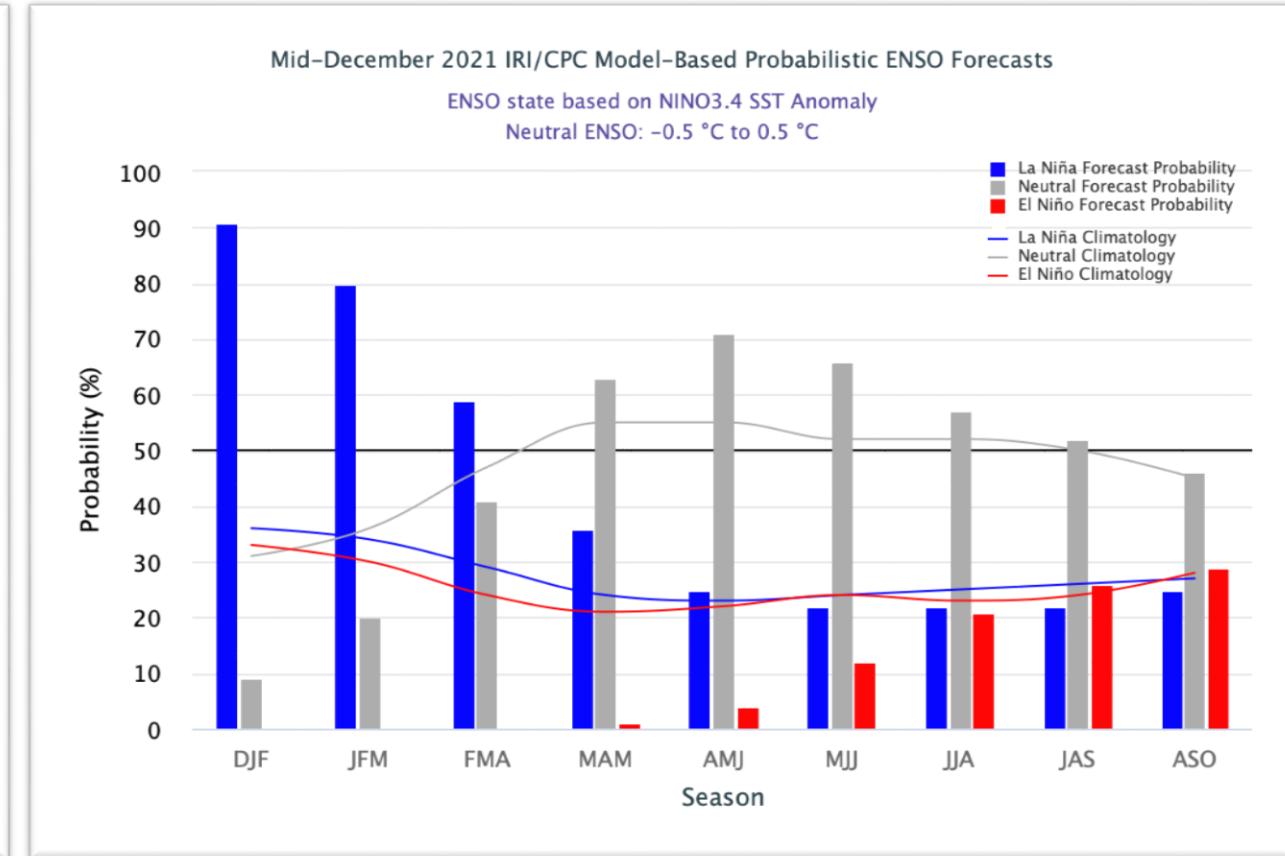
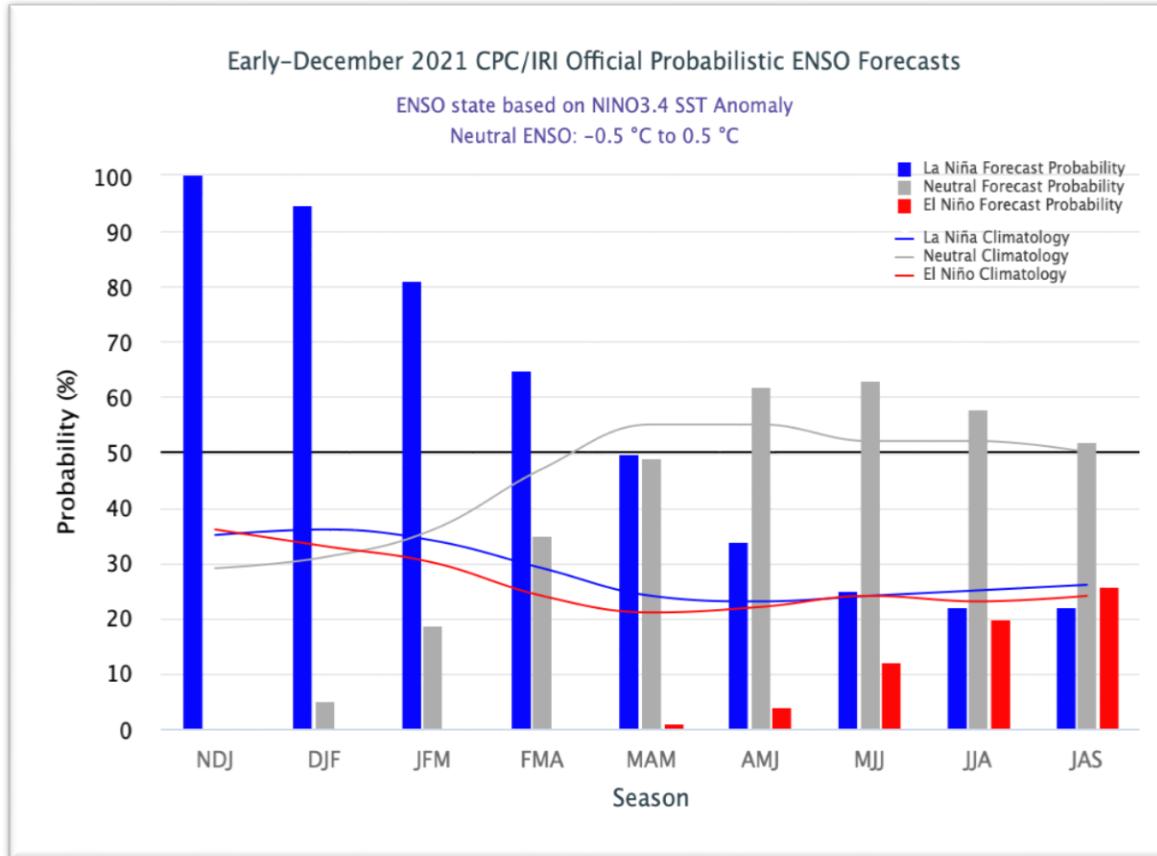
until when?



13 out of 22 models favored La Niña to continue to FMA2022 season



What are the chances?



ENSO Alert System Status:

La Niña Advisory



La Niña persists and likely to continue until the Feb-Mar-Apr 2022 (~60% chance) and transition to ENSO-neutral conditions during April-June 2022 season.

La Niña increases the likelihood of having above normal rainfall conditions across most areas of the country.



WATCH

conditions are favorable for development **within the next six months** and probability is **55% or more**



ALERT

ONI { $\geq +0.5^{\circ}\text{C}$ (El Niño)
 $\leq -0.5^{\circ}\text{C}$ (La Niña)
is forecasted to persist in the next 2 months and probability is **70% or more**



ADVISORY

Event is currently on-going, and the ONI threshold is expected to persist during the forecast period



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

LA NIÑA ADVISORY NO.3

Weak La Niña continues to persist across the Tropical Pacific. Majority of climate models predict La Niña will likely to continue until January-February-March 2022 season.

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

Assessment in November 2021

The weather systems that affected the country during the month were the Northeast (NE) monsoon, localized thunderstorms, low pressure areas (LPAs), easterlies, intertropical convergence zone (ITCZ) and tail end of the frontal system (shear line). No tropical cyclone had developed in the Philippine Area of Responsibility (PAR) during the month.

Rainfall assessment for the month showed that below to way below normal rainfall were experienced in most parts of Luzon while near to above normal rainfall were observed in Visayas and Mindanao, including the provinces of Batanes, Sorsogon and Palawan in Luzon.

Near average to warmer than average surface air temperatures were observed in most parts of the country except in some areas of Occidental Mindoro, Romblon and South Cotabato, where slightly cooler than average surface air temperatures were experienced. The temperature ranges were as follows: mountainous areas of Luzon: $15.2^{\circ}\text{C} - 26.6^{\circ}\text{C}$; rest of Luzon: $19^{\circ}\text{C} - 36.5^{\circ}\text{C}$; Visayas: $22.3^{\circ}\text{C} - 35^{\circ}\text{C}$; mountainous areas of Mindanao: $18^{\circ}\text{C} - 33.2^{\circ}\text{C}$; rest of Mindanao: $21.6^{\circ}\text{C} - 36.7^{\circ}\text{C}$ and $23^{\circ}\text{C} - 34.8^{\circ}\text{C}$ in Metro Manila. Moreover, three (3) stations surpassed their highest recorded maximum temperatures: Clark (34.5°C / Nov 7), Cotabato City (36.7°C / Nov 06) and Zamboanga City (36.0°C / Nov 23).

Outlook for December 2021

The weather systems that will likely affect the country in December are the Northeast (NE) monsoon, localized thunderstorms, tail-end of frontal system (shearline), ridge of high-pressure areas (HPAs), LPAs, ITCZ, easterlies, and one (1) or two (2) tropical cyclones (TCs) that may enter or develop in the PAR. These TCs may enhance the NE Monsoon that could trigger floods, flashfloods, and rain-induced landslides over susceptible areas. Moreover, surges of cold temperature are likely due to stronger NE monsoon activity.

Rainfall forecast for the month shows that most parts of the country will likely receive near to above normal rainfall.

Generally, near average to warmer than average air temperatures are forecasted in most parts of the country, except Batanes, Romblon and Southern Leyte, where slightly cooler to cooler than average surface air temperatures are expected. Forecast ranges of temperature are as follows: $10^{\circ}\text{C} to 27.5^{\circ}\text{C}$ over the mountainous areas of Luzon, $13^{\circ}\text{C} to 37^{\circ}\text{C}$ over rest of Luzon, $20^{\circ}\text{C} to 35.0^{\circ}\text{C}$ over the Visayas, $17^{\circ}\text{C} to 33.5^{\circ}\text{C}$ over the mountainous areas of Mindanao, $19^{\circ}\text{C} to 36.5^{\circ}\text{C}$ over the rest of Mindanao and $19^{\circ}\text{C} to 35^{\circ}\text{C}$ over Metro Manila.

Despite the on-going community quarantine due to the COVID-19 pandemic, PAGASA will continue to closely monitor the climate conditions that may affect the country, especially on the on-going 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: 06 December 2021
Our URL: <http://bagong.pagasa.dost.gov.ph>

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Website: <http://bagong.pagasa.dost.gov.ph>



Weather systems that may affect the country

JANUARY – JUNE 2022



LOW PRESSURE AREAS (LPAs)



TROPICAL CYCLONES



NORTHEAST MONSOON



TAIL-END OF THE FRONTAL SYSTEM

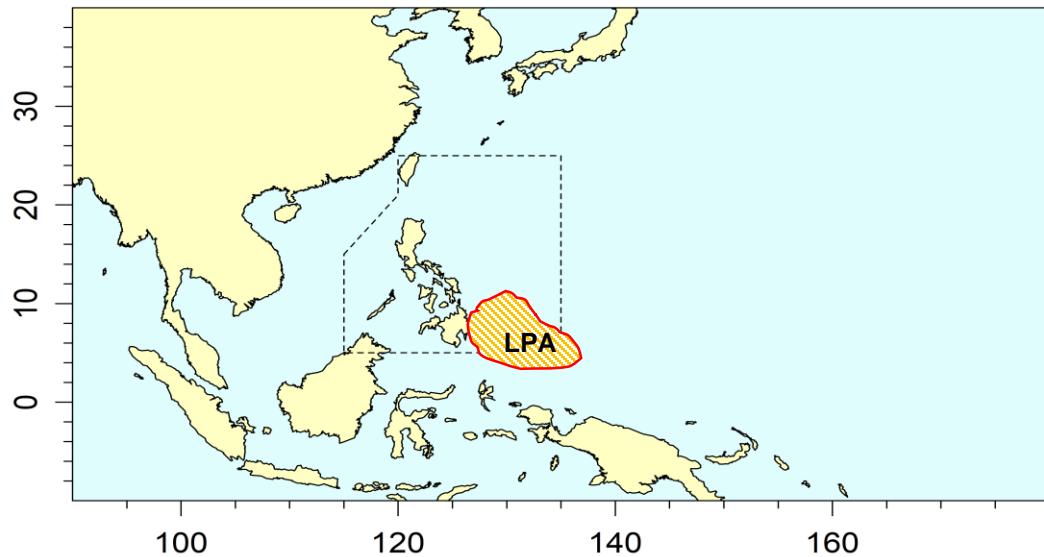


SOUTHWEST MONSOON

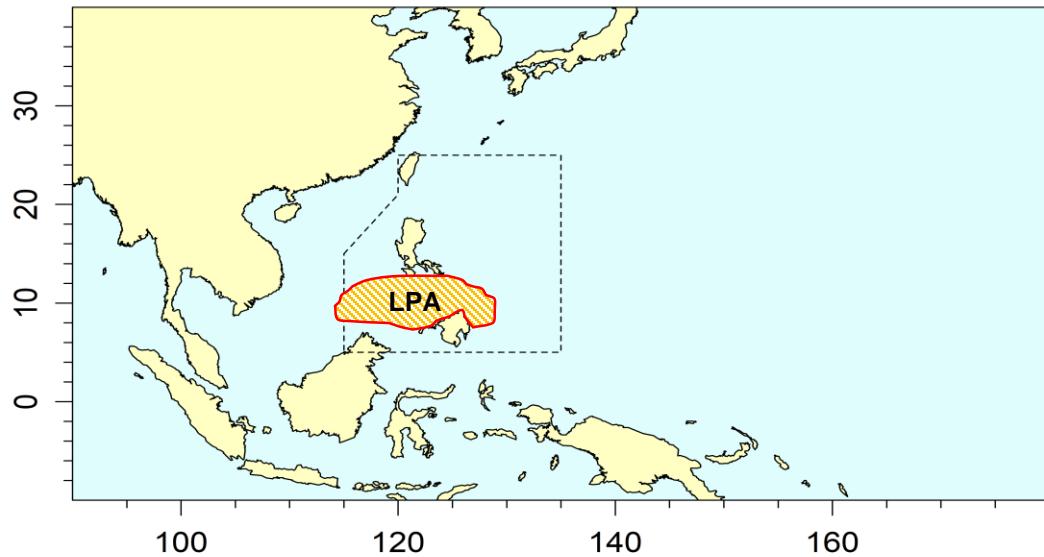
In transition (up to mid-May)



Week 1 (December 22 - December 28, 2021)



Week 2 (December 29 - January 4, 2022)



Tropical Cyclone (TC)-Threat Potential

Initialization: 21 December 2021 @8am

Forecast Summary:

Week 1 (December 22 – December 28, 2021)

As of today, a low pressure vortex exists near the Philippine Area of Responsibility (PAR). The low pressure vortex (LPA) will likely enter the PAR and move towards the Philippine landmass. It has a low likelihood of becoming a TC. Therefore there is no active TC-threat during the forecast period.

Week 2 (December 29 – January 4, 2022)

The LPA will likely cross the Eastern Mindanao-Visayas area. Therefore there is no active TC-threat during the forecast period. However, any changes in the forecast will be closely monitored.

Note: The information contained herein are based on the 6-hourly forecasts of the NCEP-GFS issued in the past 24hrs where the CWB TC Tracking algorithm was applied. This product was part of the collaboration between PAGASA and CWB through the MECO/TECO VOTE Project. This is for guidance purposes only.



High Likelihood of becoming a TC



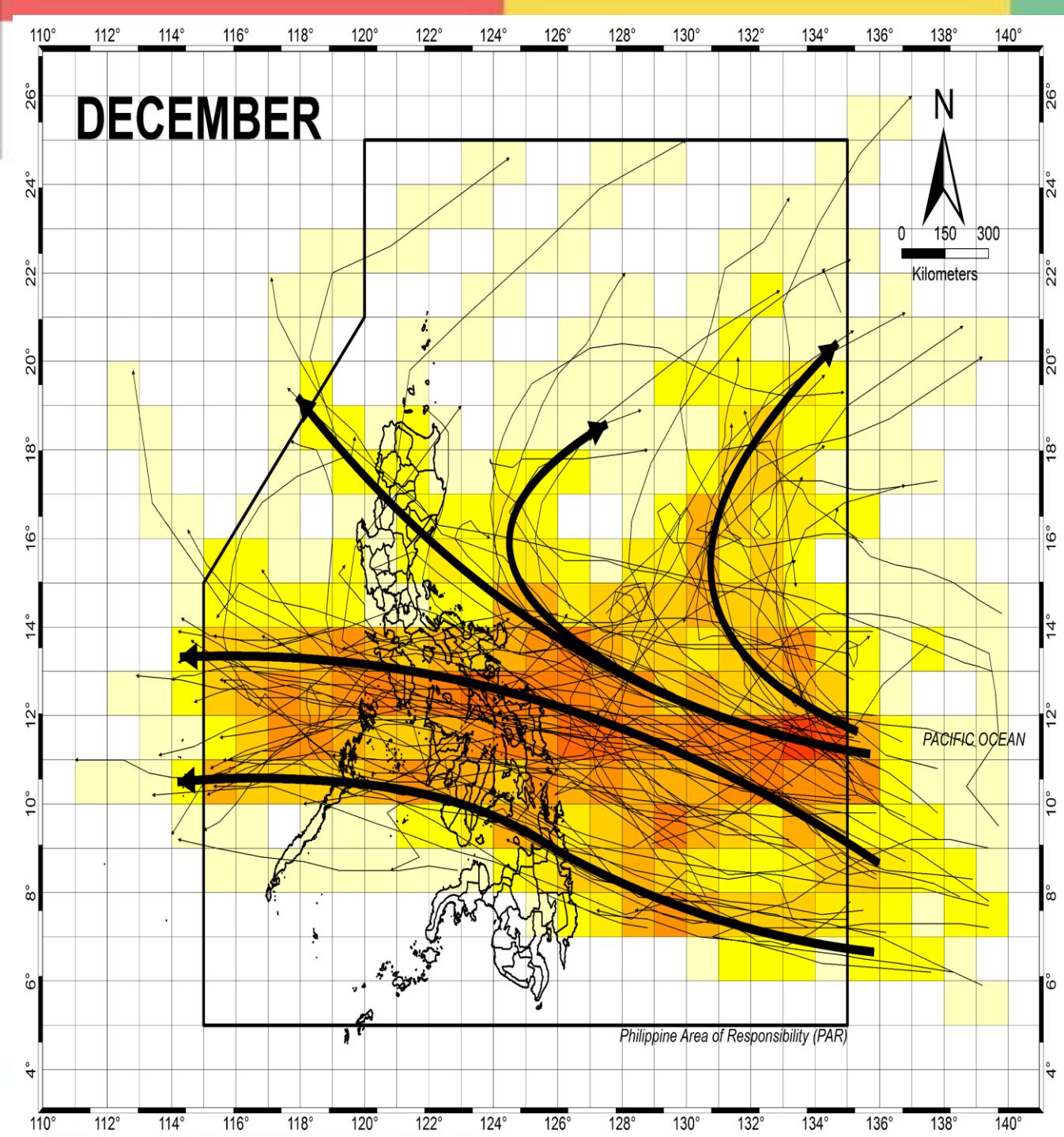
Low-Likelihood of becoming a TC

Payong
PAGASA



Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)

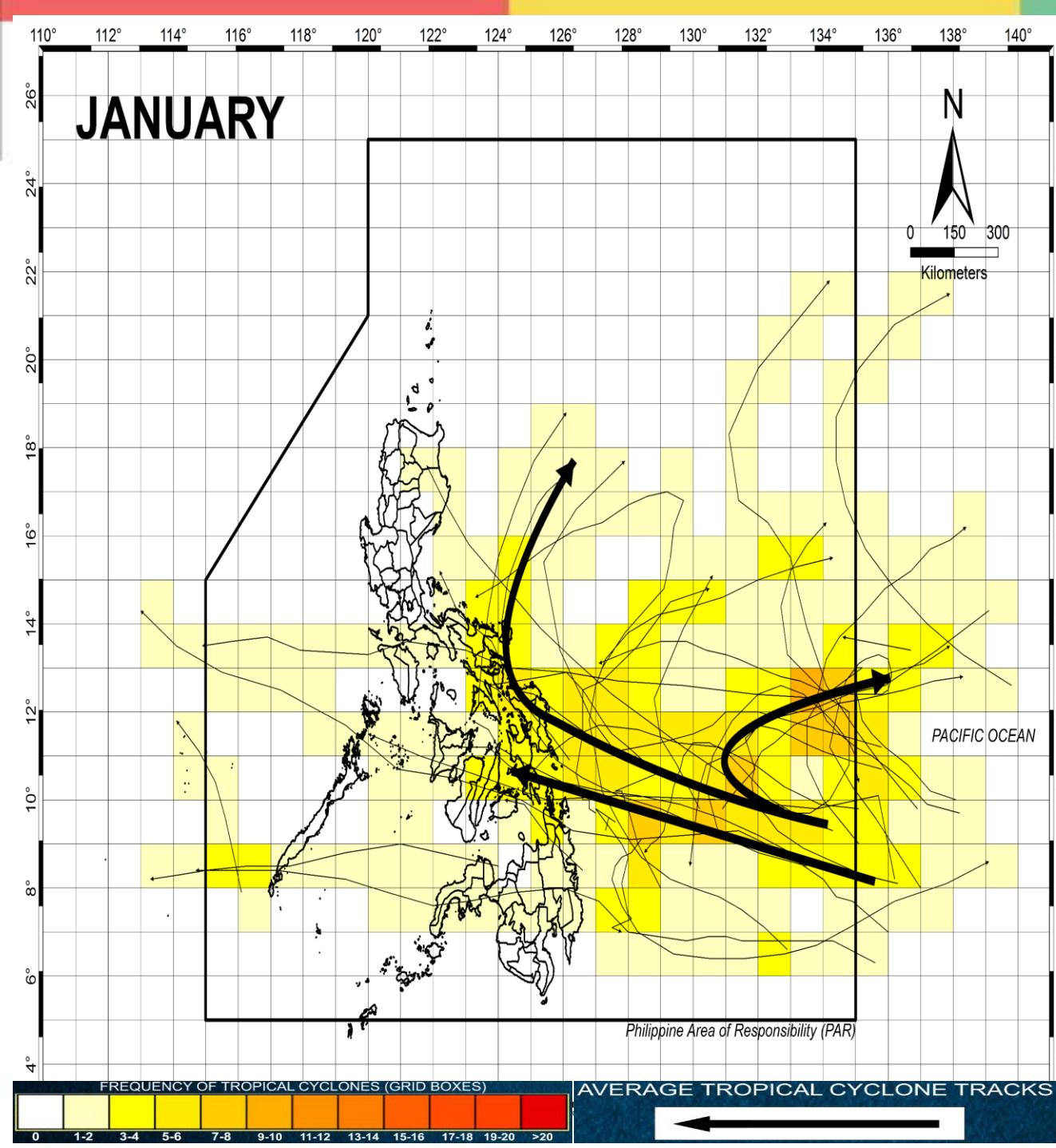




Tropical Cyclone Climatological Tracks for December in the Philippine Area of Responsibility (PAR)

Climatological tracks for the month of December suggest 5 most common tracks:

1. TCs formed in the western Pacific that entered the Philippine Area of Responsibility(PAR) but recurve afterwards towards the eastern part of PAR (non-landfalling) then move towards Japan.
2. TCs formed in the western Pacific that entered the Philippine Area of Responsibility(PAR) but recurve before making landfall towards the north-eastern part of PAR (non-landfalling) then move towards Japan.
3. Landfalling TCs traversing Northern or Central Luzon; moving towards Hongkong after exiting the landmass.
4. Landfalling TCs traversing southern Luzon – northern Visayas area, ; moving towards Vietnam.
5. Landfalling TCs traversing Southern Visayas – Northern Mindanao area; moving towards Thailand.



Tropical Cyclone Climatological Tracks for January in the Philippine Area of Responsibility (PAR)

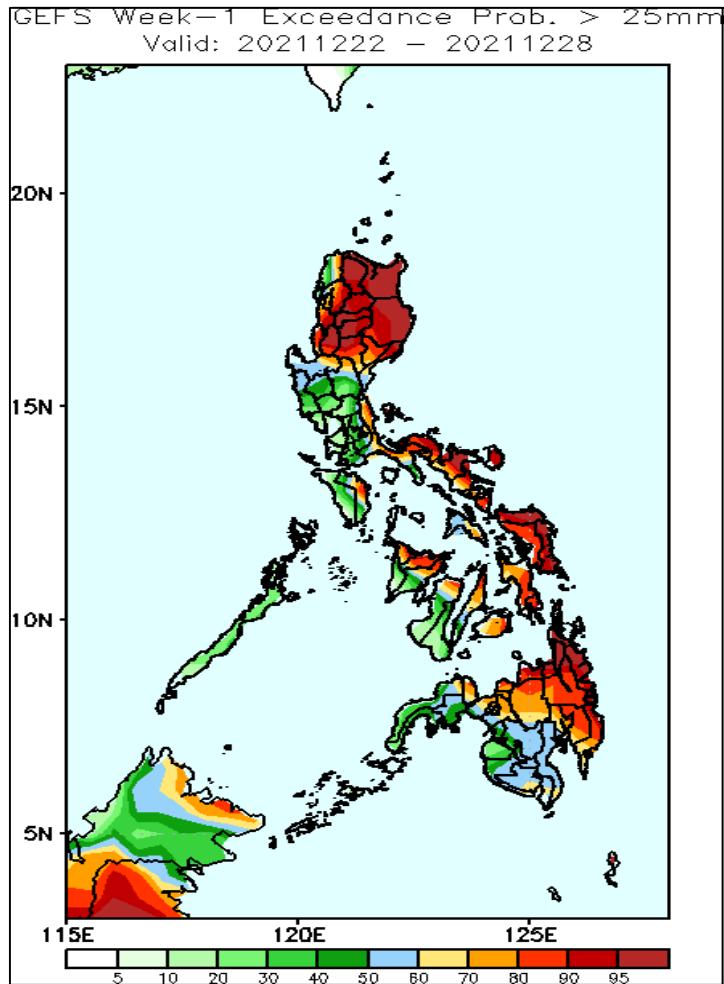
Climatological tracks for the month of January suggest 3 most common tracks (Fewer/Lesser chance of TC formation during this month:

1. TCs formed within the Philippine Area of Responsibility (PAR) but recurve afterwards towards the eastern part of PAR (non-landfalling).
2. TCs formed within PAR and may make landfall in eastern part of Visayas then recures towards the northern part of PAR before dissipating.
3. TCs formed n the Western Pacific which may enter PAR and make landfall in Central Philippines before dissipating.

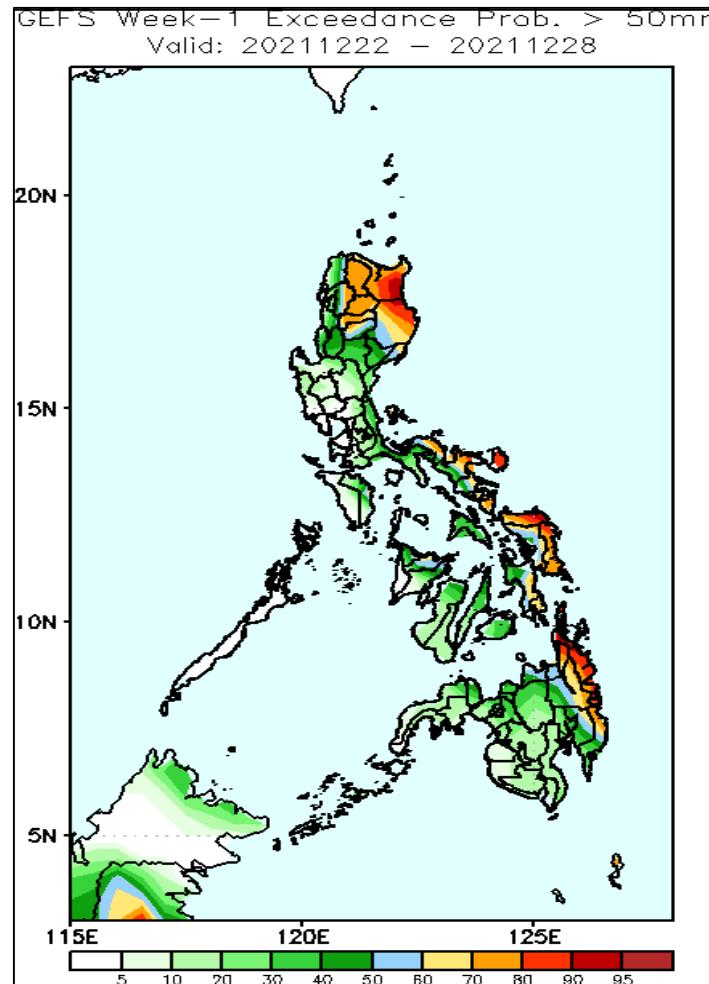


WEEK - 1: RAINFALL EXCEEDANCE PROBABILITY FORECAST

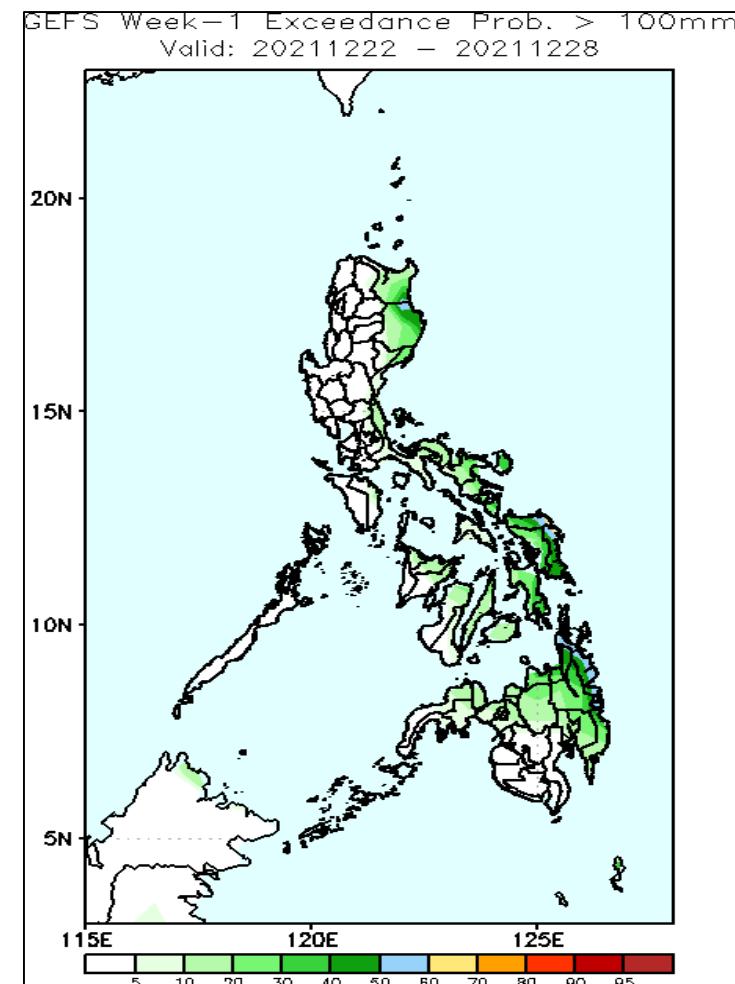
December 22 – December 28, 2021



High probability of rainfall to exceed 25mm in most parts of Northern Luzon, Aurora, Quezon, Bicol region, Eastern and Central Visayas, parts of Western Visayas and most parts of Mindanao while less likely for the rest of the county during the forecast period.



High probability of rainfall to exceed 50mm in most parts of CAR, Cagayan, Isabela, parts of Bicol region, parts of Eastern Visayas and CARAGA while less likely for the rest of the county during the forecast period.

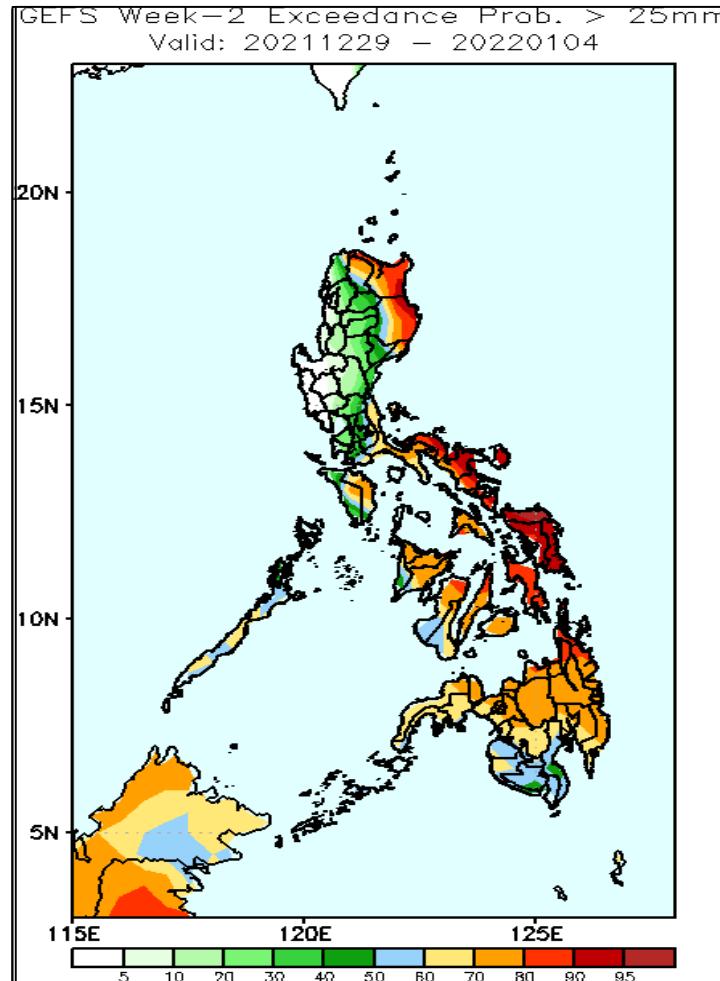


Low probability of rainfall to exceed 100mm in most parts of the country during the forecast period.

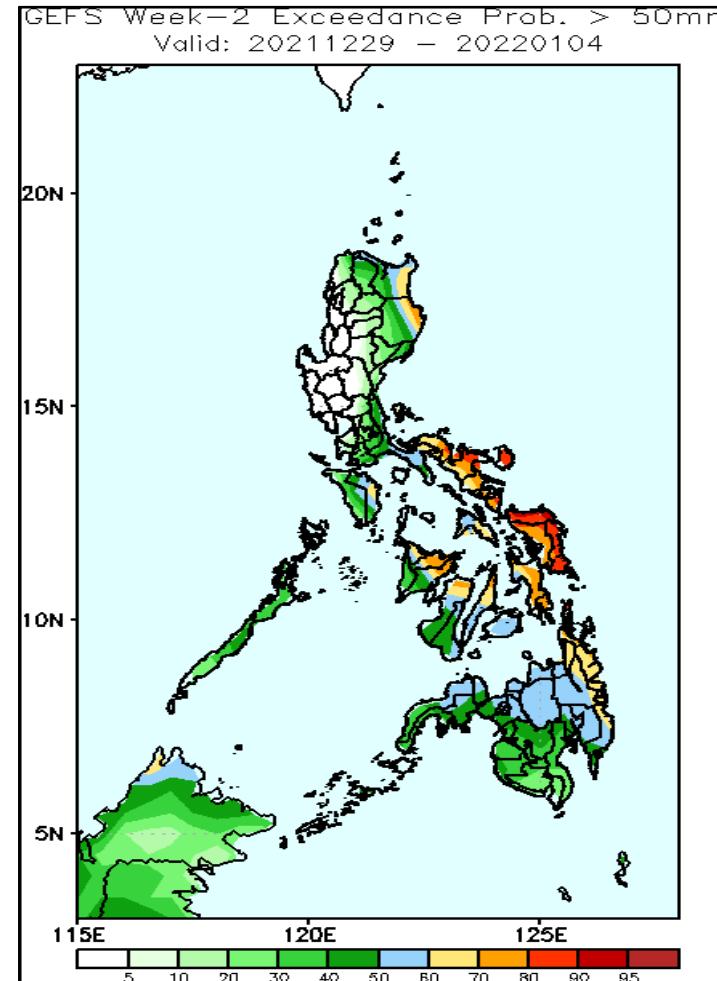


WEEK - 2: RAINFALL EXCEEDANCE PROBABILITY FORECAST

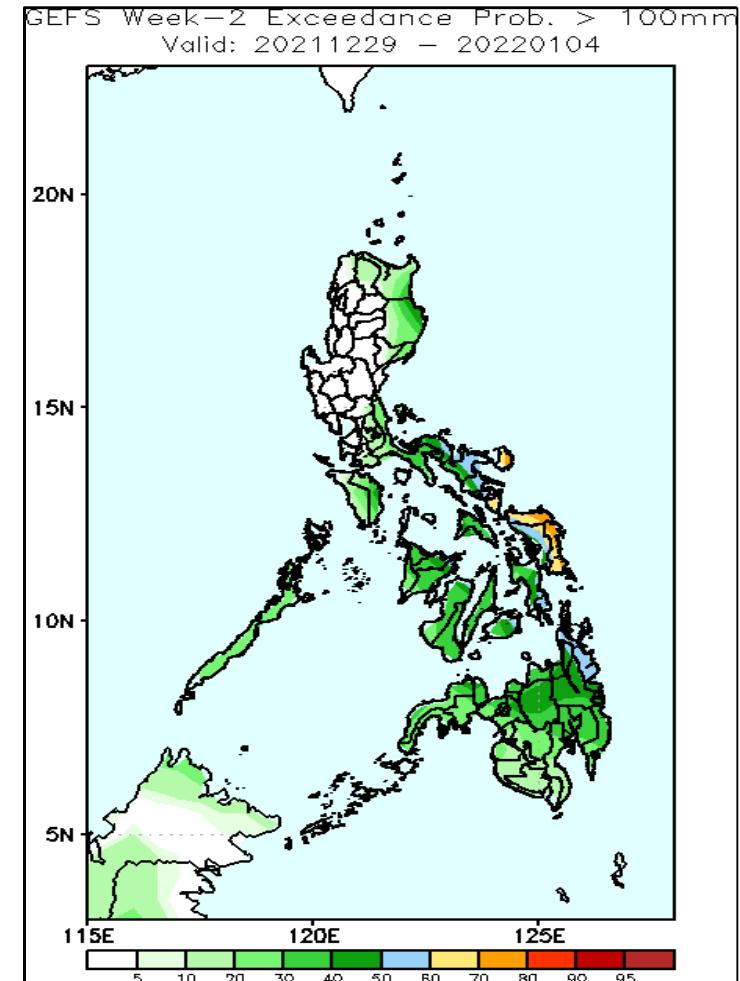
December 29 – January 4, 2022



High probability of rainfall to exceed 25mm in Apayao, Cagayan, Isabela, Quezon, Bicol region, most of MIMAROPA, and most parts of Visayas and Mindanao while less likely for the rest of Luzon during the forecast period.



High probability of rainfall to exceed 50mm in the eastern sections of Isabela and Cagayan, Bicol region, and some parts of Central and Eastern Visayas and CARAGA while less likely for the rest of the country during the forecast period.



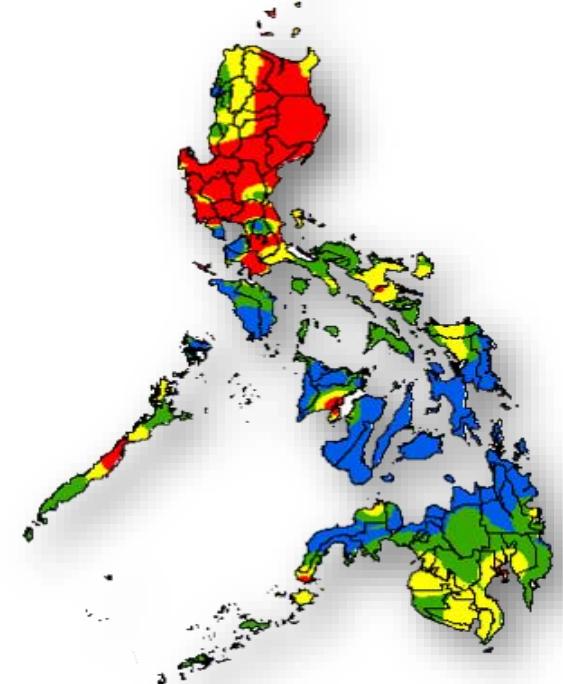
Low probability of rainfall to exceed 100mm in most parts of the country except some parts of Bicol region, Eastern Visayas and CARAGA during the forecast period.





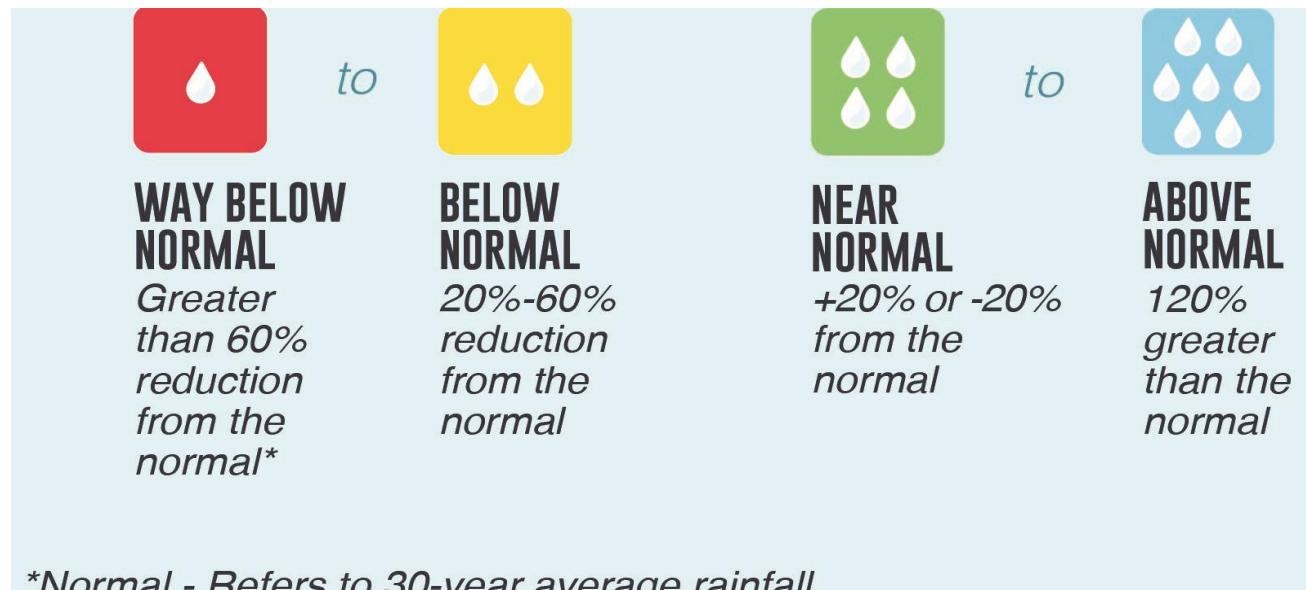
For more details
and updates

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

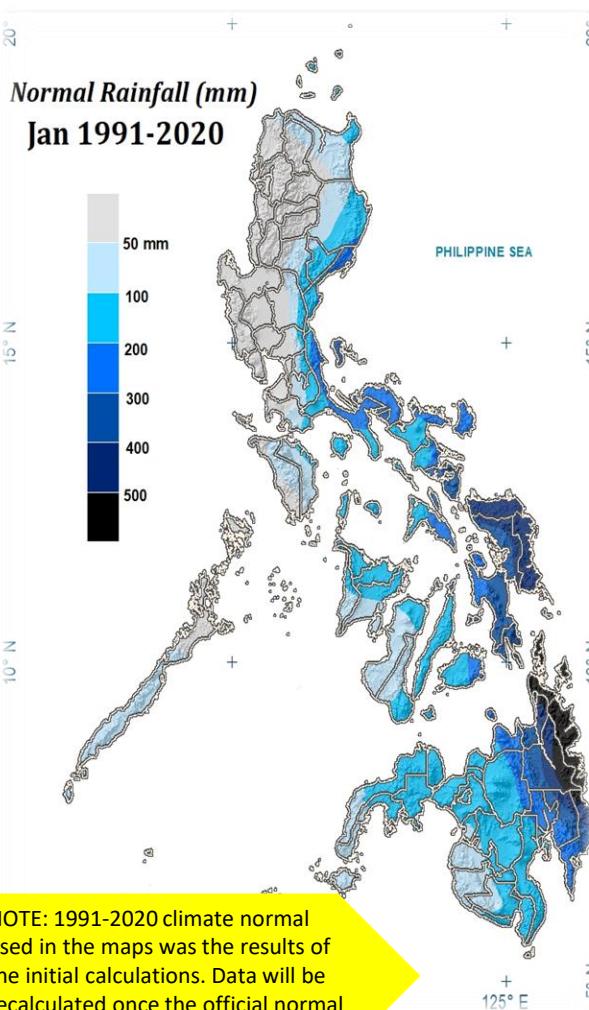
$$\text{Percent of Normal} = \frac{\text{Forecast Rainfall}}{\text{Normal Rainfall}} \times 100\%$$



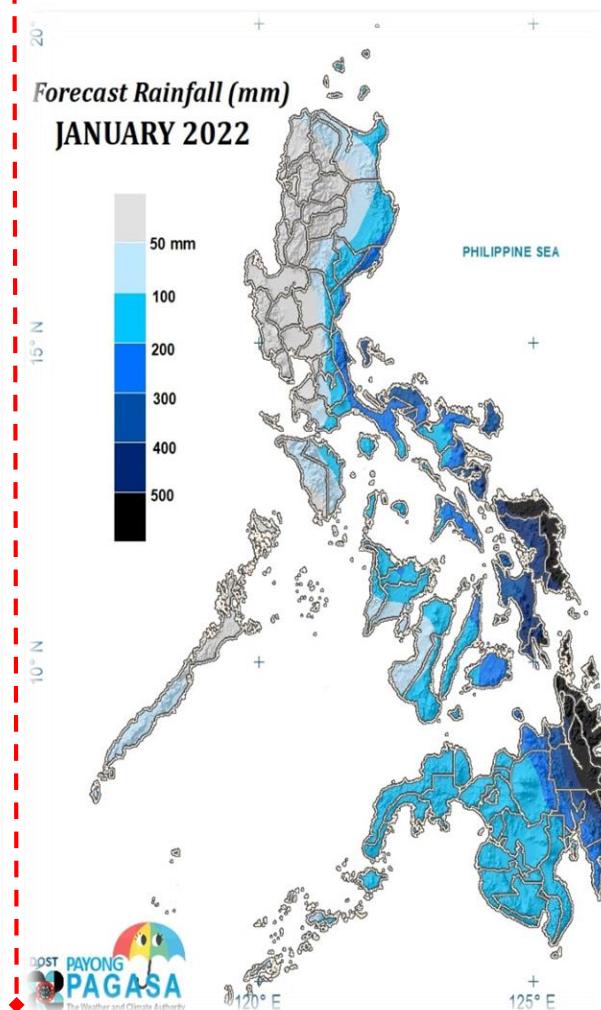
MONTHLY RAINFALL FORECAST

JANUARY 2022

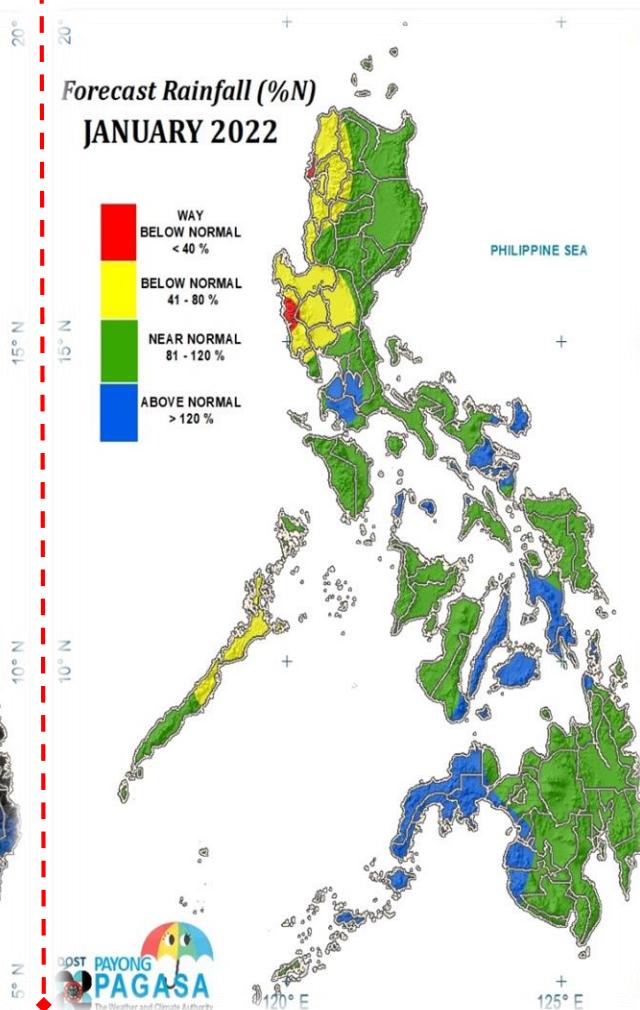
Normal Rainfall



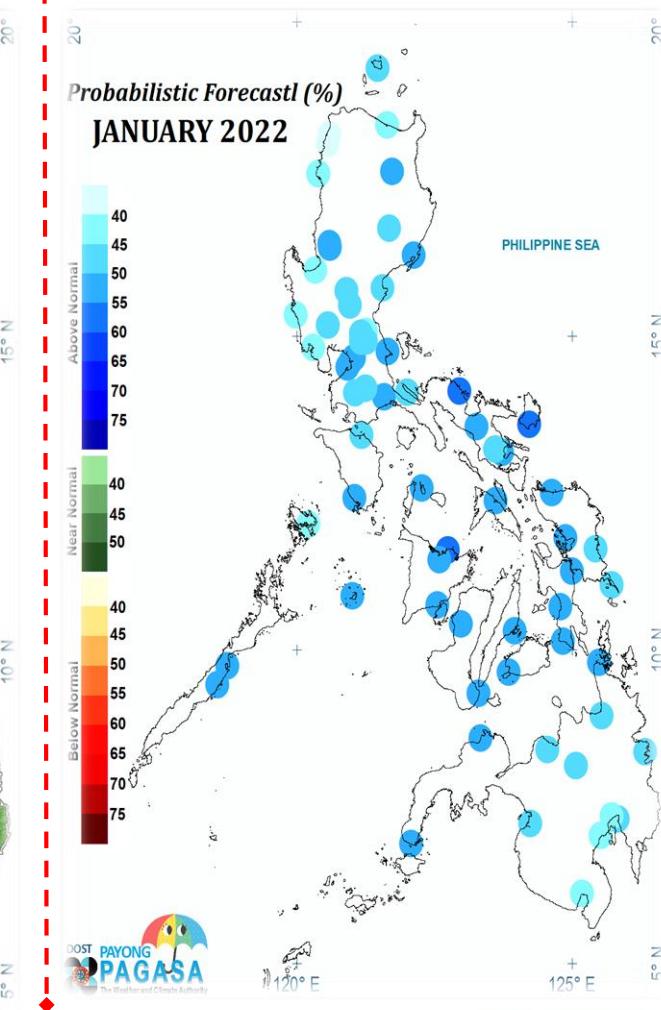
Forecast Rainfall



Percent of Normal



Probabilistic Forecast

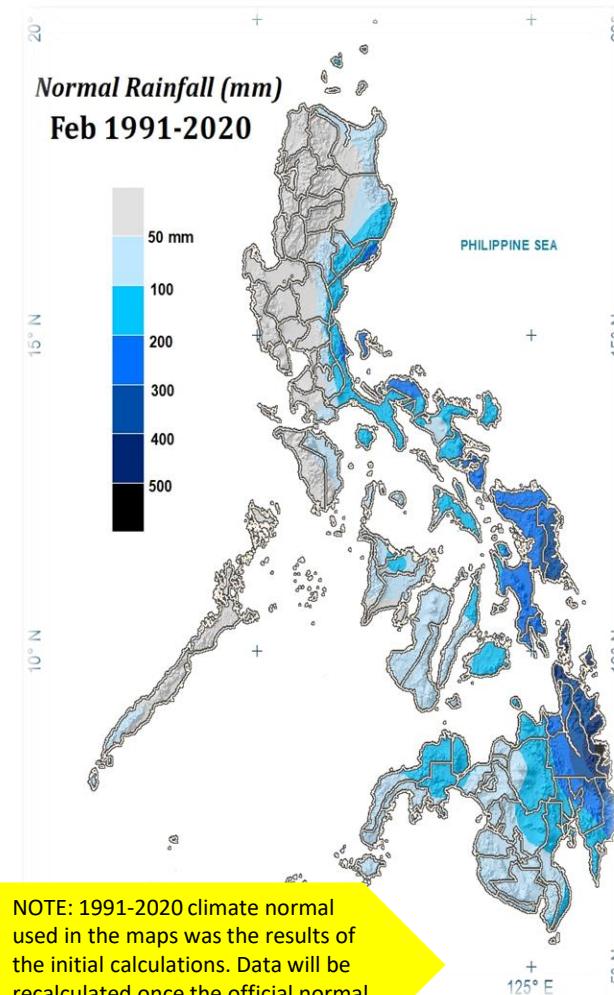


NOTE: 1991-2020 climate normal used in the maps was the results of the initial calculations. Data will be recalculated once the official normal is released.

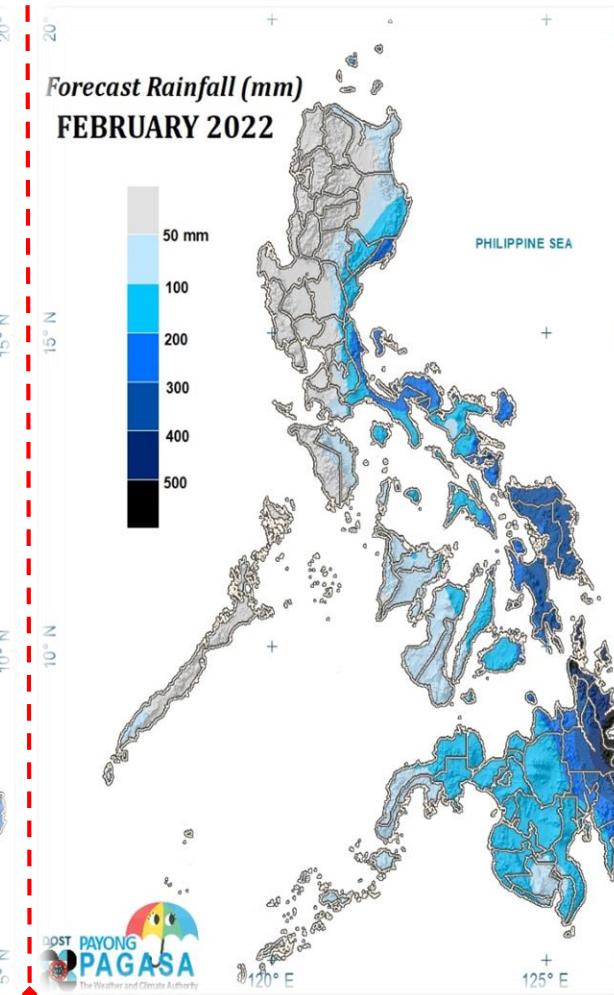
MONTHLY RAINFALL FORECAST

FEBRUARY 2022

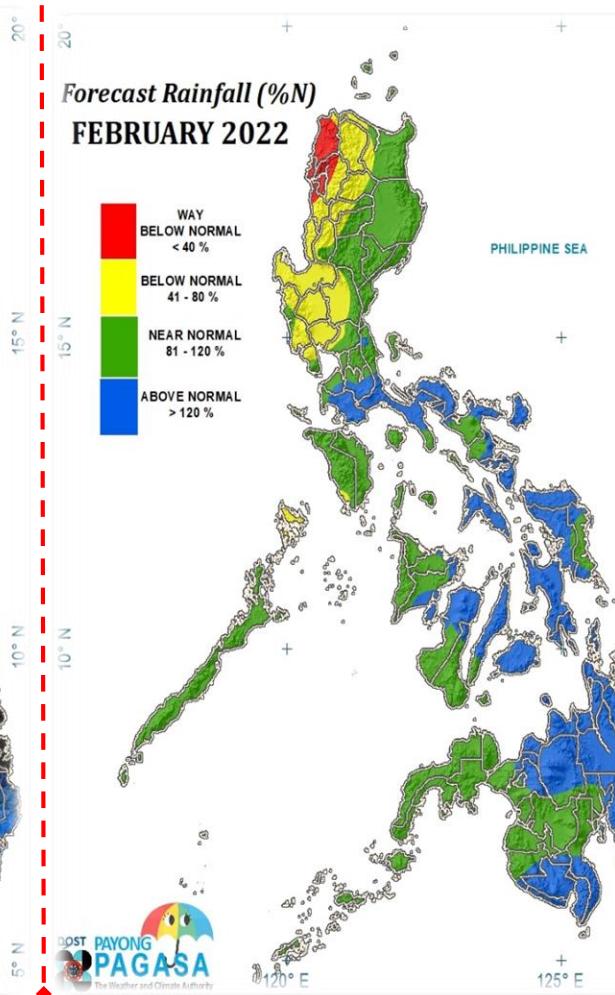
Normal Rainfall



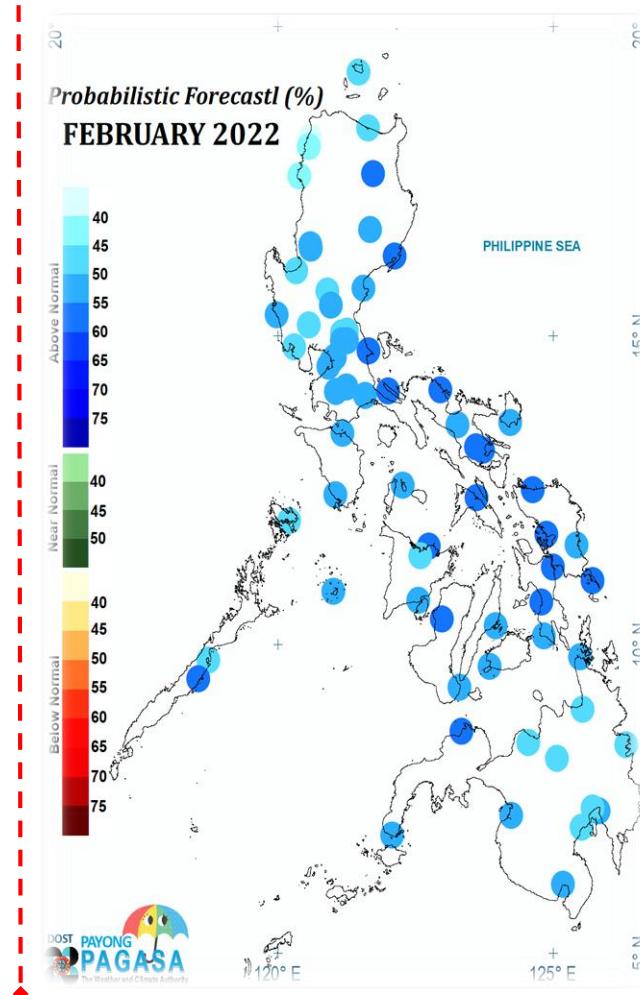
Forecast Rainfall



Percent of Normal



Probabilistic Forecast



NOTE: 1991-2020 climate normal used in the maps was the results of the initial calculations. Data will be recalculated once the official normal is released.

way below normal

3

below normal

11

near normal

38

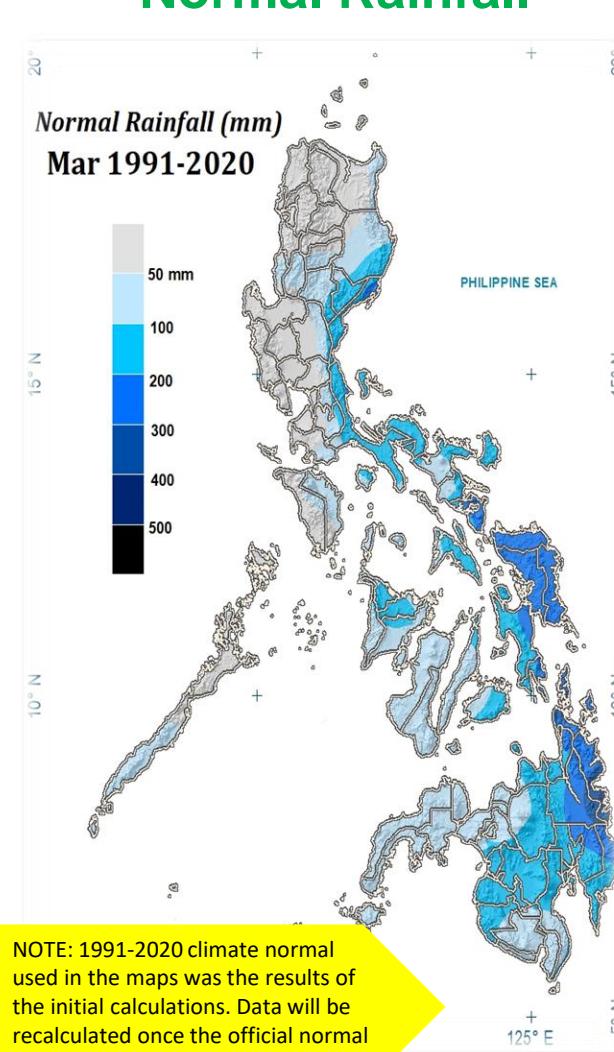
above normal

31

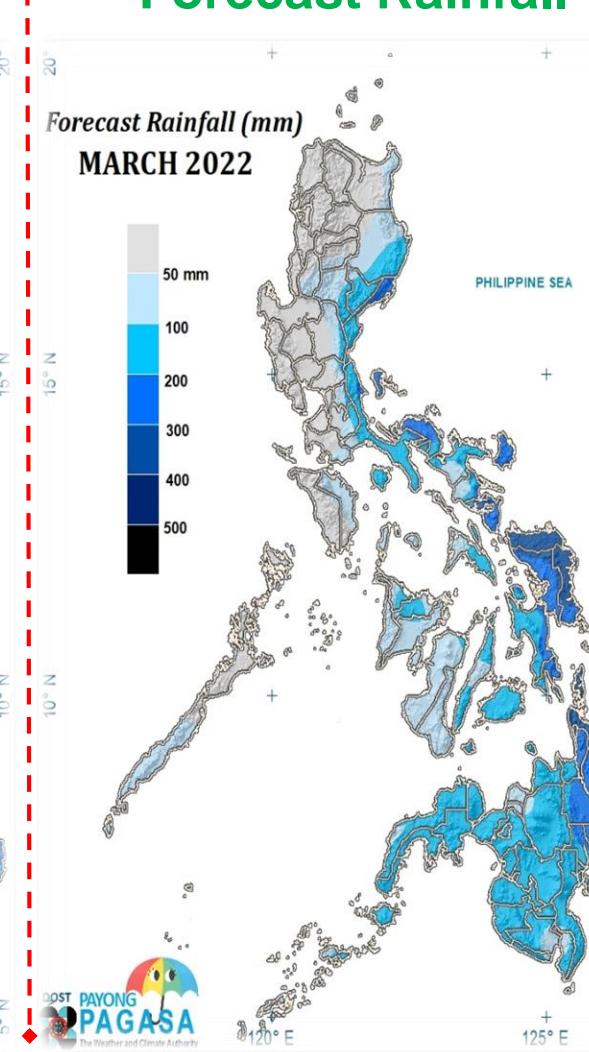
MONTHLY RAINFALL FORECAST

MARCH 2022

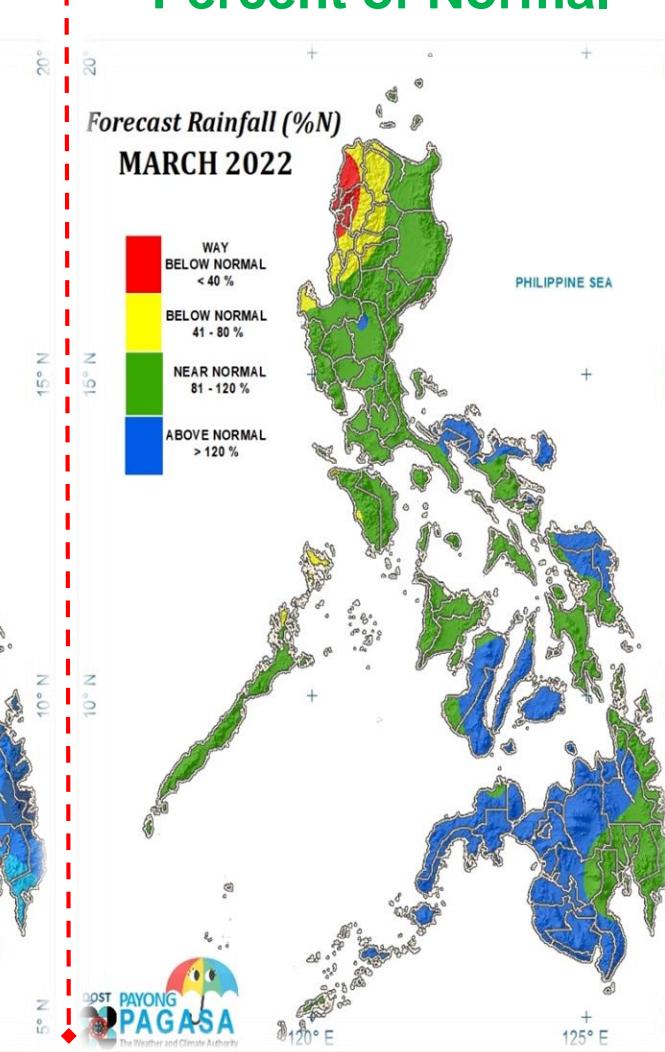
Normal Rainfall



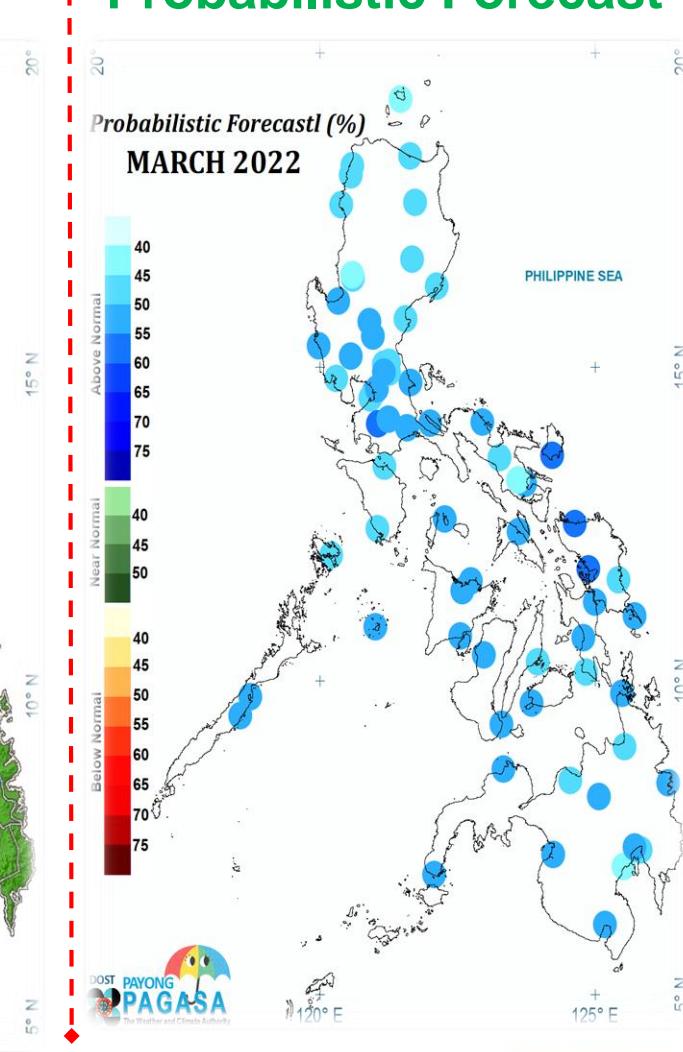
Forecast Rainfall



Percent of Normal



Probabilistic Forecast



NOTE: 1991-2020 climate normal used in the maps was the results of the initial calculations. Data will be recalculated once the official normal is released.

way below normal

3

below normal

4

near normal

48

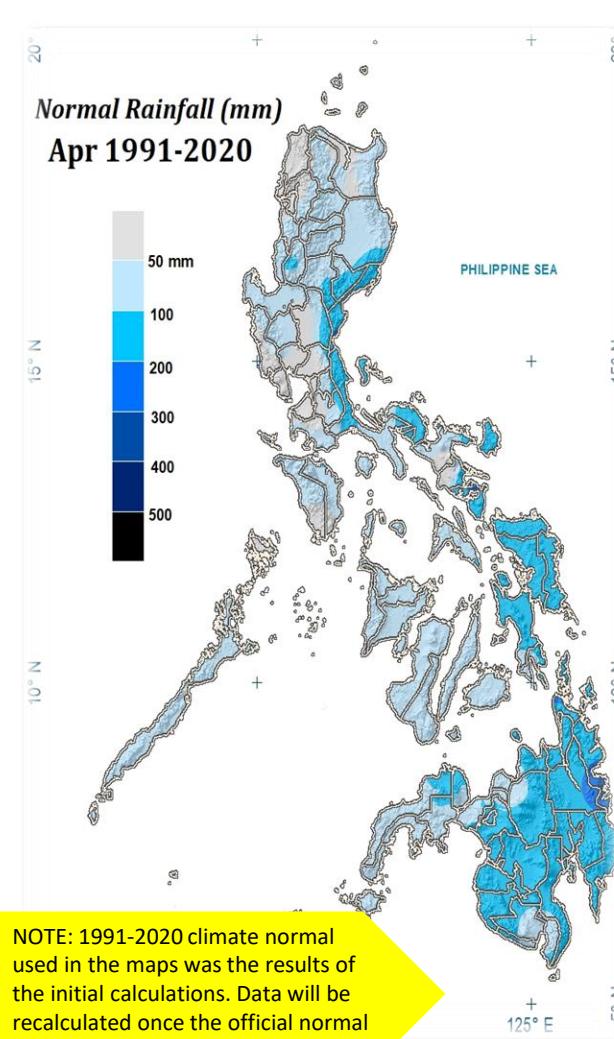
above normal

28

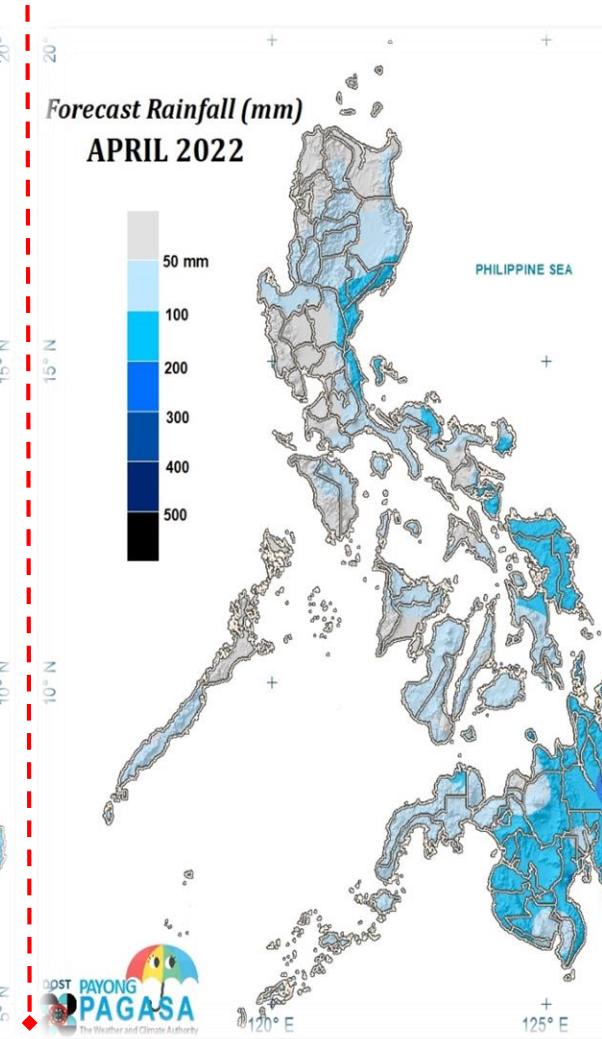
MONTHLY RAINFALL FORECAST

APRIL 2022

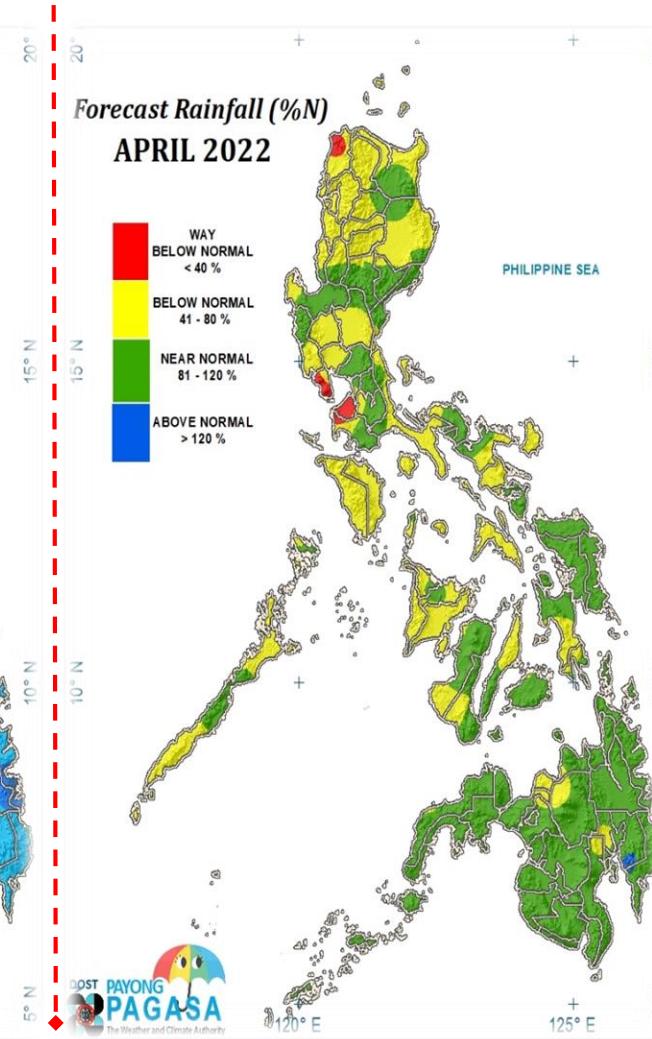
Normal Rainfall



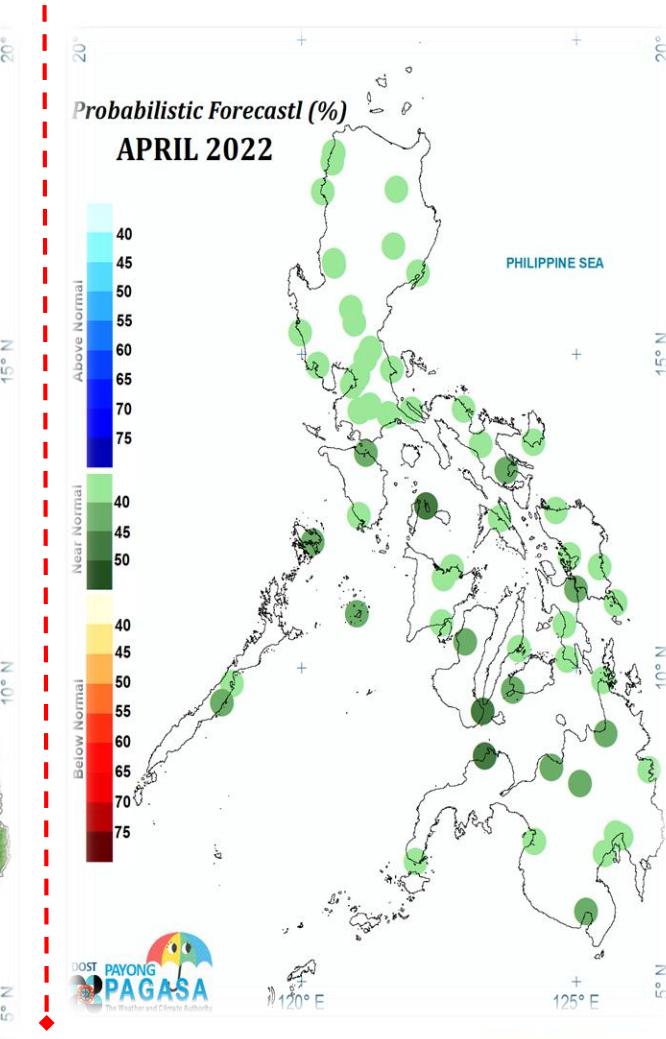
Forecast Rainfall



Percent of Normal



Probabilistic Forecast



NOTE: 1991-2020 climate normal used in the maps was the results of the initial calculations. Data will be recalculated once the official normal is released.

way below normal

2

below normal

33

near normal

49

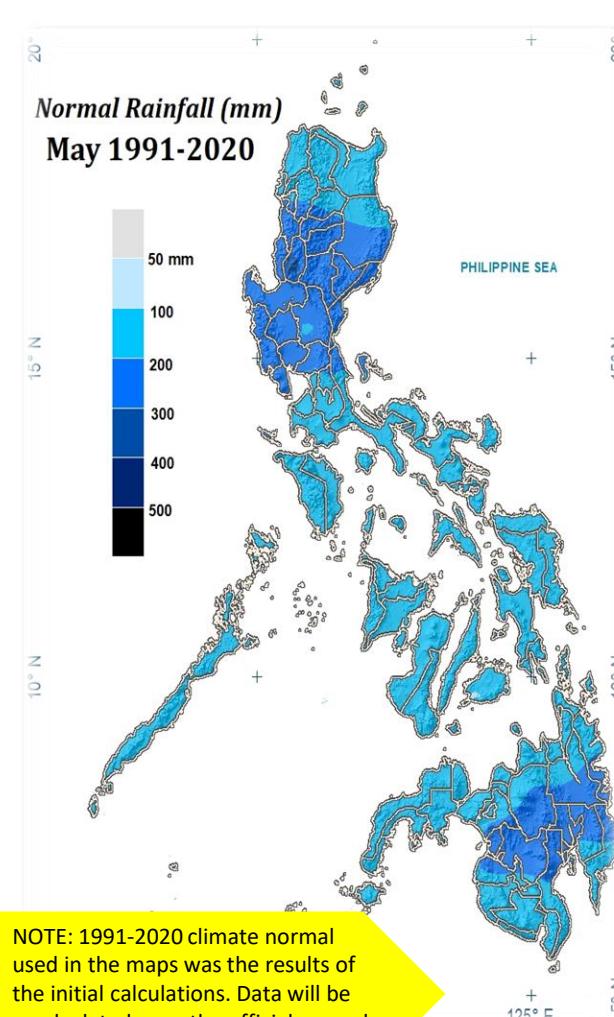
above normal

0

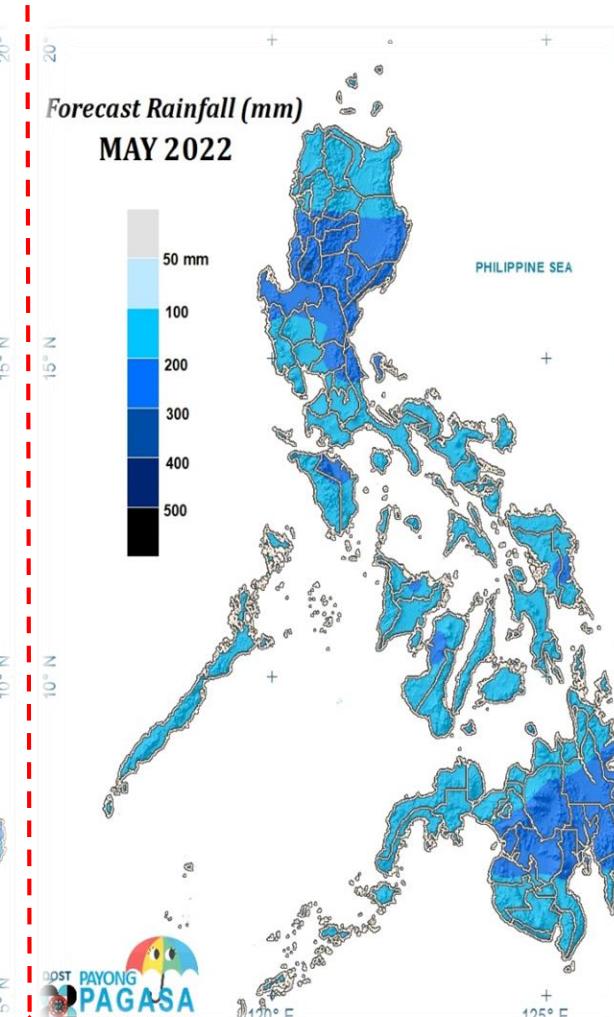
MONTHLY RAINFALL FORECAST

May 2022

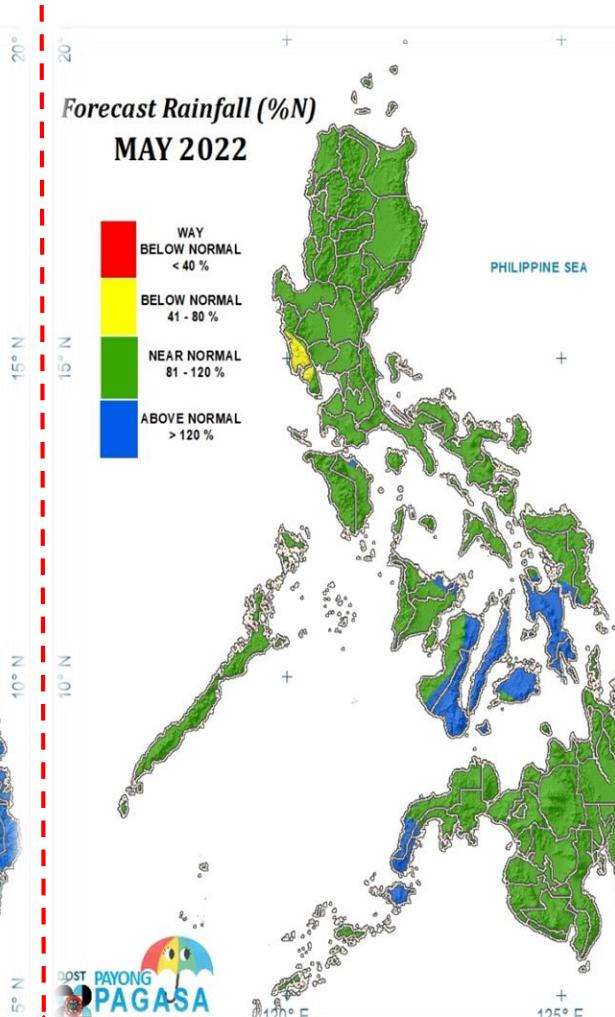
Normal Rainfall



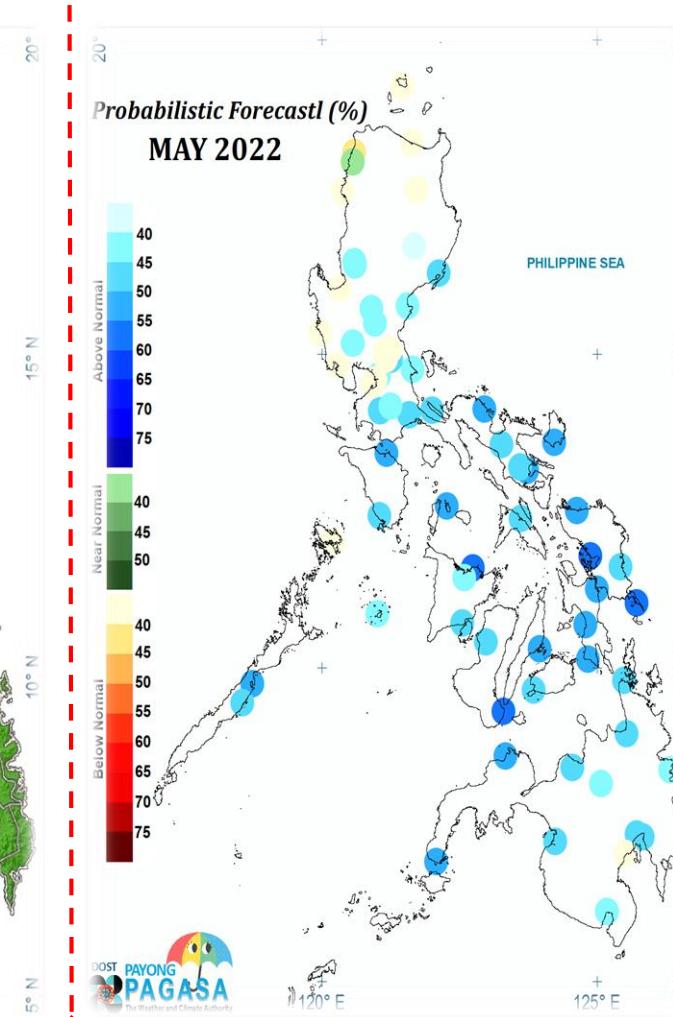
Forecast Rainfall



Percent of Normal



Probabilistic Forecast



NOTE: 1991-2020 climate normal used in the maps was the results of the initial calculations. Data will be recalculated once the official normal is released.

way below normal

0

below normal

0

near normal

76

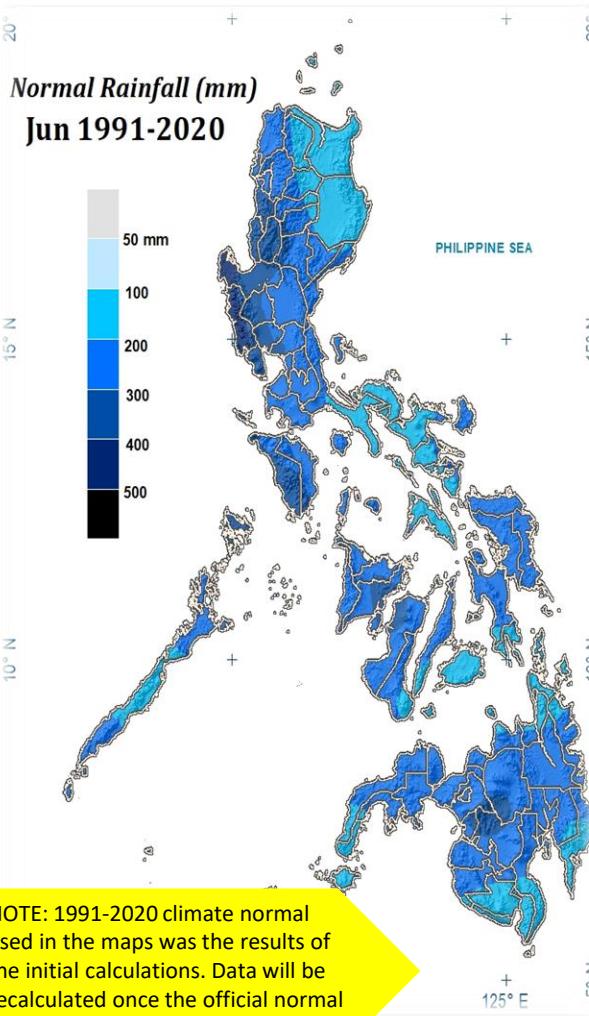
above normal

7

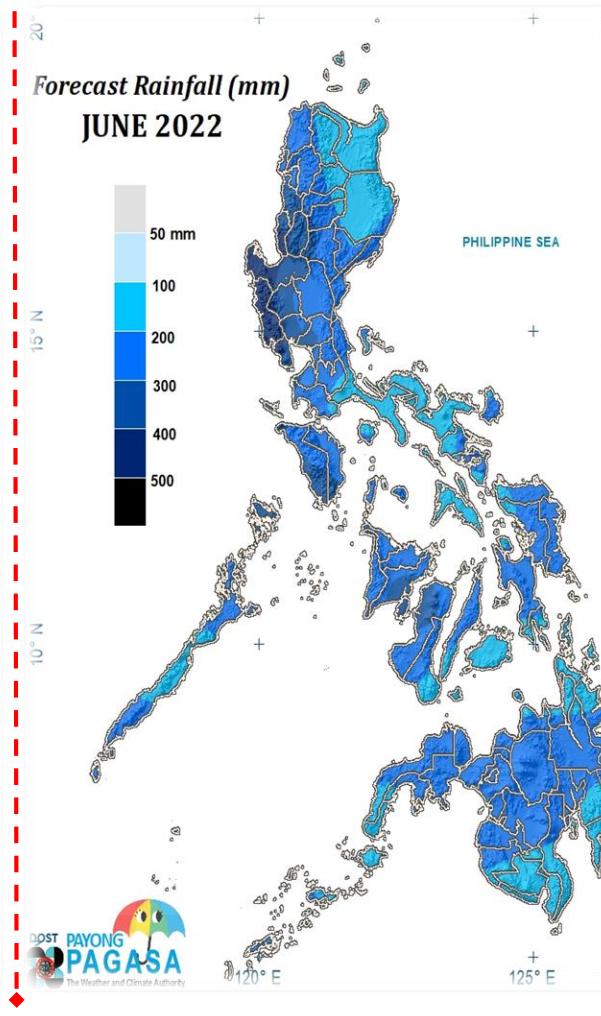
MONTHLY RAINFALL FORECAST

JUNE 2022

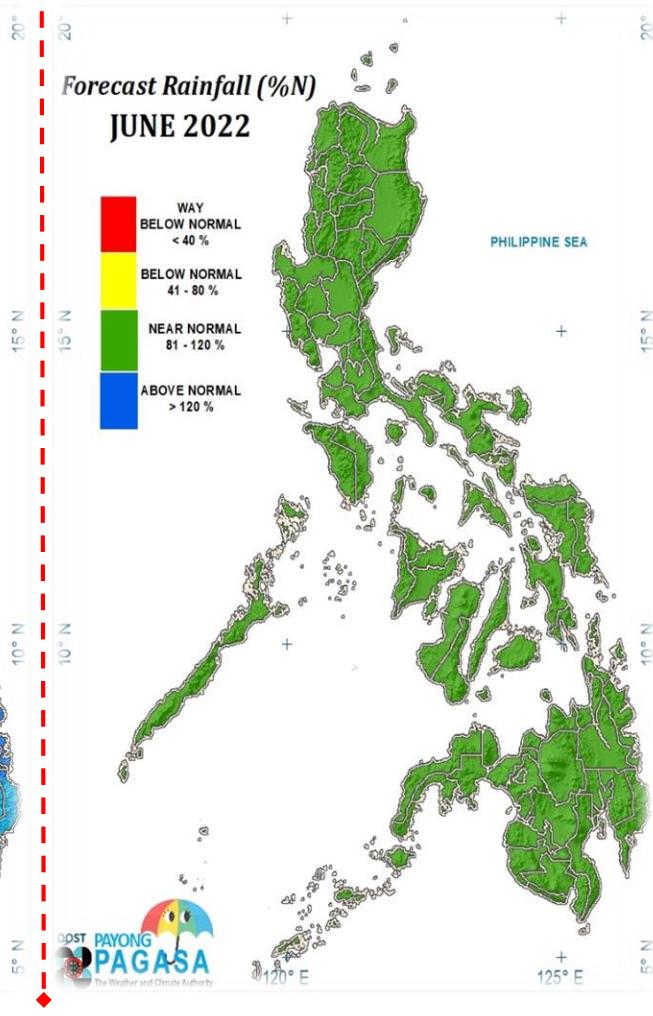
Normal Rainfall



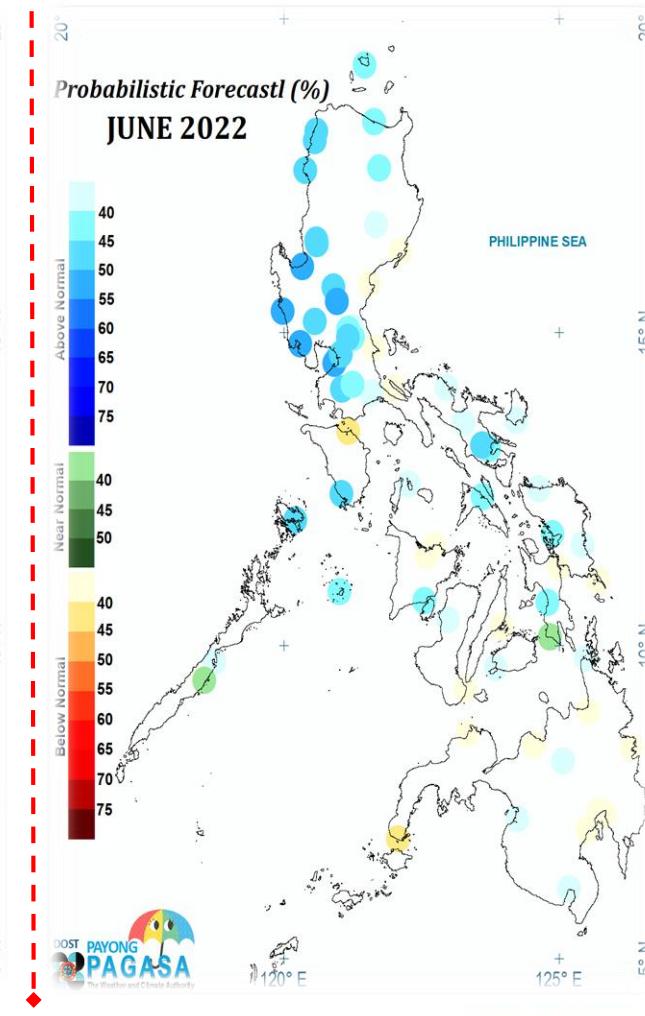
Forecast Rainfall



Percent of Normal



Probabilistic Forecast



NOTE: 1991-2020 climate normal used in the maps was the results of the initial calculations. Data will be recalculated once the official normal is released.

way below normal

0

below normal

0

near normal

83

above normal

0

FORECAST RAINFALL in Percent of Normal (January - June 2022) as of Dec 22, 2021

PROVINCE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	PROVINCE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	PROVINCE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
CORDILLERA ADMINISTRATIVE REGION (CAR)							REGION IV-B (MIMAROPA)							REGION IX (ZAMBOANGA PENINSULA)						
ABRA	58.8	39.7	39.3	66.2	89.9	100.5	MARINDUQUE	116.1	116.3	107.0	72.4	112.5	87.3	ZAMBOANGA DEL NORTE	129.6	100.7	126.4	89.0	117.7	97.5
BENGUET	83.6	72.2	84.5	78.9	97.7	103.6	OCCIDENTAL MINDORO	108.8	91.3	82.3	65.4	109.0	98.2	ZAMBOANGA DEL SUR	132.4	105.7	132.2	91.8	117.0	97.4
IFUGAO	88.6	87.2	85.8	73.8	100.9	100.0	ORIENTAL MINDORO	113.3	97.5	87.6	70.6	114.7	93.7	ZAMBOANGA SIBUGAY	134.8	107.1	132.5	89.1	118.3	97.2
KALINGA	85.3	72.0	76.9	79.0	95.8	102.2	ROMBLON	127.0	110.4	108.1	77.1	111.3	99.1	REGION X (NORTHERN MINDANAO)						
APAYAO	84.1	58.7	66.3	70.7	91.8	98.7	PALAWAN	82.4	88.5	92.1	80.0	108.7	101.1	BUKIDNON	103.0	126.7	123.4	85.9	106.1	93.6
MOUNTAIN PROVINCE	82.4	74.1	73.6	72.9	97.6	100.8	SPRATLY ISLANDS	71.6	88.9	84.5	72.2	99.3	103.6	CAMIGUIN	114.9	127.5	122.7	87.5	115.4	103.3
REGION I							REGION V (BICOL)							LANAO DEL NORTE	112.9	117.3	127.5	86.8	110.4	96.5
ILOCOS NORTE	56.1	26.0	34.3	49.6	87.0	97.6	ALBAY	123.6	121.6	106.3	63.7	99.7	101.6	MISAMIS OCCIDENTAL	118.6	103.3	123.5	91.8	113.6	97.4
ILOCOS SUR	57.1	39.4	36.4	56.9	90.9	101.3	CAMARINES NORTE	112.7	129.4	129.5	83.0	108.4	90.3	MISAMIS ORIENTAL	104.0	132.0	123.8	80.7	111.5	98.3
LA UNION	72.8	55.9	65.0	70.5	93.6	105.8	CAMARINES SUR	114.2	121.3	120.2	80.0	100.0	94.4	REGION XI (DAVAO REGION)						
PANGASINAN	57.7	59.2	92.1	87.7	90.1	111.2	CATANDUANES	126.5	129.6	123.7	78.9	99.4	94.7	DAVAO DE ORO	109.8	128.0	115.1	104.7	107.5	92.3
REGION II							MASBATE	117.7	126.7	97.1	69.3	108.1	101.4	DAVAO CITY	99.2	110.6	107.1	88.9	101.2	90.2
BATANES	105.4	109.3	88.6	89.0	86.2	114.1	SORSOGON	121.8	129.5	113.8	85.2	103.2	103.8	DAVAO DEL NORTE	102.4	117.8	113.1	85.1	105.3	91.8
CAGAYAN	107.8	86.2	92.6	79.3	96.1	100.9	REGION VI (WESTERN VISAYAS)							DAVAO DEL SUR	102.1	118.7	115.6	101.8	101.8	89.9
ISABELA	101.9	103.4	102.5	78.5	104.6	106.3	AKLAN	111.5	96.1	89.1	76.6	113.9	97.4	DAVAO OCCIDENTAL	104.1	128.2	125.6	98.4	105.9	92.7
NUEVA VIZCAYA	90.5	91.7	106.6	86.6	103.4	99.5	ANTIQUE	98.0	102.8	86.3	69.1	110.2	103.8	DAVAO ORIENTAL	111.1	128.3	115.5	102.8	107.5	92.8
QUIRINO	99.3	107.5	109.4	86.2	107.6	98.3	CAPIZ	112.2	104.1	92.7	77.7	117.2	95.4	REGION XII (SOCCSKSARGEN)						
REGION III (CENTRAL LUZON)							GUIMARAS	98.9	129.2	107.6	54.4	109.9	105.3	SOUTH COTABATO	109.1	126.9	131.8	98.5	107.1	93.1
BATAAN	84.3	79.0	93.7	35.6	80.3	107.2	ILOILO	104.0	117.1	96.2	62.5	112.8	100.6	COTABATO	109.8	115.3	123.1	94.5	102.6	91.0
BULACAN	90.8	89.9	108.2	86.1	101.9	102.3	NEGROS OCCIDENTAL	107.9	119.8	124.7	85.3	119.3	101.2	SARANGANI	106.4	130.2	131.4	99.5	107.6	93.9
NUEVA ECIJA	71.2	74.8	109.3	70.3	101.4	101.7	REGION VII (CENTRAL VISAYAS)							SULTAN KUDARAT	117.7	119.3	131.5	95.2	106.9	93.1
PAMPANGA	69.9	68.1	102.5	61.0	88.0	101.0	NEGROS ORIENTAL	115.6	108.5	127.1	83.6	124.0	96.4	REGION XIII- CARAGA						
TARLAC	50.0	62.5	99.4	64.6	87.8	105.0	BOHOL	131.6	129.5	130.4	88.9	123.6	102.4	AGUSAN DEL NORTE	116.4	124.9	121.5	102.9	110.5	99.8
ZAMBALES	44.7	75.0	93.2	71.2	80.2	107.8	CEBU	123.5	129.1	129.8	80.3	126.9	97.8	AGUSAN DEL SUR	111.6	123.9	120.6	97.8	109.5	93.9
AURORA	100.4	107.1	112.0	86.7	108.2	99.2	SIQUIJOR	125.0	105.8	128.4	88.7	123.2	95.2	DINAGAT ISLANDS	120.1	124.3	108.3	88.3	113.7	97.0
NATIONAL CAPITAL REGION							REGION VIII (EASTERN VISAYAS)							SURIGAO DEL NORTE	119.5	121.9	111.9	89.4	109.6	100.2
METRO MANILA	116.7	101.3	91.9	77.3	95.0	104.4	BILIRAN	118.5	135.3	109.5	86.4	119.3	94.4	SURIGAO DEL SUR	116.8	121.8	117.8	97.6	110.9	93.8
REGION IV-A (CALABARZON)							EASTERN SAMAR	114.8	118.3	117.1	88.7	113.9	101.5	BARMM						
BATANGAS	122.5	126.7	87.9	73.2	106.7	96.2	LEYTE	123.1	138.7	104.9	81.0	126.2	99.8	BASILAN	144.7	114.7	142.3	92.0	124.0	96.6
CAVITE	125.1	114.9	84.1	17.5	94.6	105.4	NORTHERN SAMAR	113.9	130.0	122.8	84.3	106.4	97.0	MAGUINDANAO	122.5	115.1	134.1	92.7	104.8	93.1
LAGUNA	121.4	121.3	99.5	84.9	104.1	96.0	SAMAR (WESTERN SAMAR)	115.4	127.5	115.7	93.8	113.7	98.4	LANAO DEL SUR	112.1	120.0	129.1	90.0	107.0	94.5
RIZAL	114.6	111.7	96.5	85.2	103.7	99.5	SOUTHERN LEYTE	125.2	130.9	108.5	80.0	124.9	103.7	SULU	126.9	111.8	128.7	91.0	118.0	96.7
QUEZON	112.6	122.2	112.5	74.4	109.4	89.6	TAWI-TAWI							TAWI-TAWI	112.1	107.7	116.2	87.4	114.1	98.1

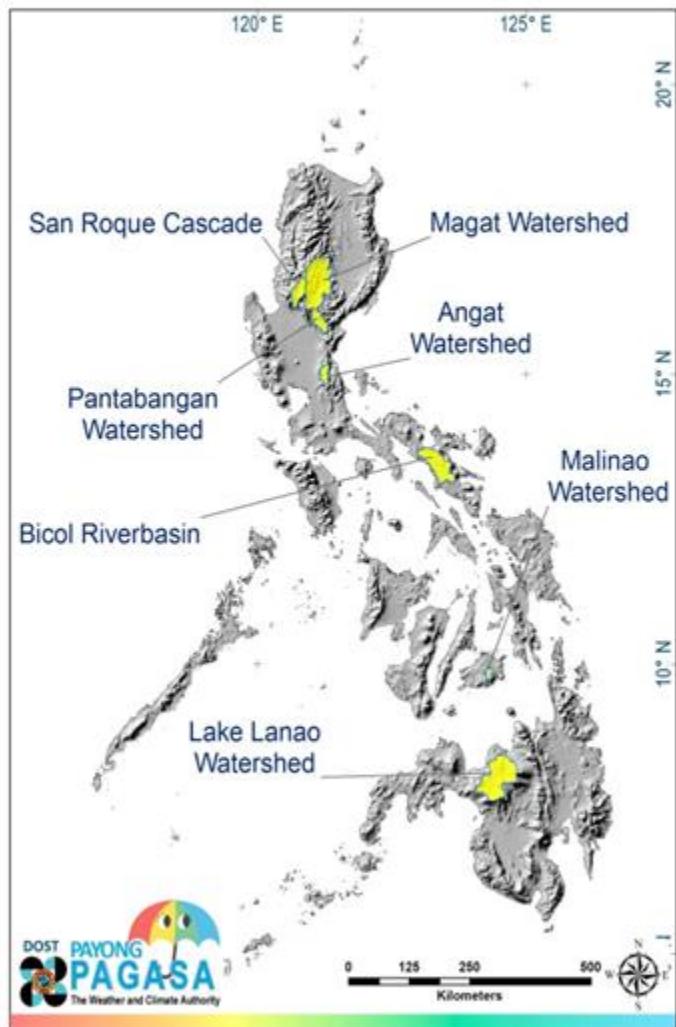
PROVINCE	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN
CORDILLERA ADMINISTRATIVE REGION																		
ABRA	2.6	26.4	11.1	1.5	16.9	9.1	3.0	27.7	14.1	201.3	301.7	35.8	150.5	218.3	174.8	201.3	301.7	250.0
BENGUET	11.0	37.1	20.5	12.6	33.9	21.0	34.6	62.7	49.1	314.1	410.9	77.1	248.4	318.0	287.1	314.1	410.9	364.4
IFUGAO	22.1	54.9	37.8	21.1	46.7	32.8	37.2	63.5	48.4	173.6	333.0	59.9	215.0	280.5	245.6	173.6	333.0	242.4
KALINGA	14.6	44.2	27.1	13.4	32.9	21.6	19.3	39.4	28.8	151.5	257.8	55.6	159.7	213.2	183.8	151.5	257.8	190.7
APAYAO	21.7	89.0	50.6	13.2	50.1	29.7	12.3	31.4	22.9	147.2	221.4	44.6	135.9	168.3	147.1	147.2	221.4	183.5
MOUNTAIN PROVINCE	12.4	46.7	25.5	14.3	37.8	23.1	26.1	46.2	36.0	164.8	318.7	58.8	193.9	259.3	221.4	164.8	318.7	237.6
REGION I																		
ILOCOS NORTE	2.8	77.6	26.7	0.2	48.6	14.5	0.5	28.6	10.0	197.7	268.1	19.5	144.3	159.6	147.7	197.7	268.1	238.9
ILOCOS SUR	2.3	16.4	8.7	0.5	17.3	9.7	0.4	40.1	20.4	263.0	382.2	36.4	151.9	285.6	211.1	263.0	382.2	312.7
LA UNION	6.3	15.2	9.7	10.5	15.5	12.4	28.2	46.7	36.3	359.3	429.8	65.4	242.4	295.8	271.4	359.3	429.8	400.6
PANGASINAN	0.0	40.7	7.0	1.2	31.8	10.6	15.6	57.2	27.5	285.1	486.1	60.1	198.4	277.5	226.9	285.1	486.1	401.4
REGION II																		
BATANES	140.5	176.7	160.7	93.1	99.3	95.8	44.5	64.7	56.0	211.1	229.8	48.2	180.9	188.1	183.1	211.1	229.8	221.2
CAGAYAN	34.9	188.6	90.0	23.4	125.4	54.0	23.8	65.1	41.3	129.9	205.3	44.6	131.6	178.7	151.6	129.9	205.3	149.8
ISABELA	41.3	234.7	111.0	30.1	209.4	90.4	34.6	202.7	91.6	147.7	223.1	63.2	167.0	266.0	218.4	147.7	223.1	176.9
NUEVA VIZCAYA	26.6	179.1	74.1	25.6	147.5	62.6	54.1	166.1	84.2	214.2	350.9	88.0	250.7	292.8	274.1	214.2	350.9	272.1
QUIRINO	66.4	224.9	152.3	55.3	210.8	132.5	69.4	211.7	144.3	193.8	241.3	105.5	254.4	280.5	270.8	193.8	241.3	209.7
REGION III																		
BATAAN	4.3	16.6	8.8	3.4	15.7	7.0	12.4	18.2	14.8	351.2	464.8	2.6	159.1	188.2	176.9	351.2	464.8	400.9
BULACAN	0.7	157.8	49.0	0.0	157.0	38.3	15.6	135.6	47.2	272.2	354.0	34.9	175.9	243.6	212.8	272.2	354.0	299.0
NUEVA ECIJA	2.2	163.2	56.6	0.0	141.0	45.3	11.4	141.1	57.5	239.6	329.7	60.6	186.0	270.4	226.2	239.6	329.7	267.7
PAMPANGA	0.1	28.6	10.3	0.0	19.4	6.5	15.8	34.0	22.7	275.0	401.5	11.8	175.8	206.0	185.2	275.0	401.5	327.0
TARLAC	0.0	14.1	3.7	0.0	9.1	4.7	11.6	24.3	18.1	276.0	445.5	37.7	179.6	224.6	191.7	276.0	445.5	346.6
ZAMBALES	0.0	6.7	2.6	3.3	11.5	6.9	12.3	22.5	16.3	384.6	515.7	34.1	182.0	213.8	192.5	384.6	515.7	456.8
AURORA	134.4	293.4	214.8	109.3	279.0	189.5	122.3	275.7	193.9	202.6	281.3	153.7	238.8	283.3	265.0	202.6	281.3	227.1
NATIONAL CAPITAL REGION																		
METRO MANILA	15.8	65.5	39.2	7.9	46.7	27.3	18.8	42.3	28.1	257.0	319.0	29.6	152.3	202.8	175.1	257.0	319.0	290.1
REGION IV-A																		
BATANGAS	25.6	142.4	69.3	18.7	119.4	51.5	18.5	81.5	40.5	186.9	340.6	45.9	151.5	205.4	174.3	186.9	340.6	231.9
CAVITE	19.9	50.7	29.7	16.7	34.6	21.7	15.1	30.1	18.6	232.2	338.0	7.2	149.1	166.4	155.2	232.2	338.0	279.5
LAGUNA	39.3	256.0	127.9	27.0	212.6	100.4	20.7	158.6	77.3	184.8	273.8	62.8	151.2	196.0	168.3	184.8	273.8	219.6
RIZAL	51.8	236.2	128.2	32.2	193.8	100.6	36.7	149.1	79.2	219.1	295.2	69.1	160.2	234.0	197.7	219.1	295.2	267.1
QUEZON	90.5	518.9	247.6	68.8	385.5	206.7	51.1	259.3	159.0	156.9	284.1	83.8	150.5	244.9	187.3	156.9	284.1	191.1
REGION IV-B																		
MARINDUQUE	157.0	208.0	181.8	116.6	165.8	141.3	94.9	130.1	111.3	179.9	216.8	62.3	175.1	187.8	181.7	179.9	216.8	195.8
OCCIDENTAL MINDORO	22.4	97.0	55.9	9.6	64.6	36.8	10.0	58.0	35.2	250.7	397.9	41.3	182.0	203.6	192.3	250.7	397.9	303.6
ORIENTAL MINDORO	46.4	131.4	92.0	26.2	94.0	60.0	26.7	79.9	54.3	221.9	338.5	55.1	184.9	218.2	198.9	221.9	338.5	271.3
ROMBLON	119.6	168.7	148.6	70.6	117.1	97.3	72.3	99.3	88.6	218.0	296.9	55.5	173.0	191.8	179.5	218.0	296.9	253.1
PALAWAN	13.2	84.5	47.2	6.4	53.6	34.8	7.7	66.4	45.0	154.5	357.0	48.4	145.1	190.6	159.0	154.5	357.0	233.4
SPRATLY ISLANDS	34.2	36.8	35.1	22.1	23.1	22.3	26.7	27.6	26.9			34.1	169.5	169.8	169.7	307.0	315.5	308.4
REGION V																		
ALBAY	164.1	420.1	263.7	103.1	324.5	190.9	70.3	284.9	145.3	187.4	217.1	54.9	160.7	182.3	169.0	187.4	217.1	199.9
CAMARINES NORTE	240.1	343.1	313.2	197.3	304.5	272.4	168.7	252.7	220.7	157.8	179.5	94.5	162.4	176.0	170.9	157.8	179.5	164.8
CAMARINES SUR	139.8	323.0	221.1	73.7	264.1	160.3	70.3	217.5	137.2	162.2	202.4	64.7	154.2	171.2	161.0	162.2	202.4	177.1
CATANDUANES	329.7	387.2	357.7	215.9	244.6	227.7	198.7	235.2	215.3	192.7	212.0	101.1	160.0	164.6	162.4	192.7	212.0	204.1
MASBATE	148.2	325.5	238.5	99.4	235.6	160.6	78.7	187.6	120.0	171.9	238.0	53.2	149.5	186.5	161.5	171.9	238.0	181.4
SORSOGON	236.8	431.3	376.2	170.4	315.2	282.7	119.4	285.8	244.3	189.9	215.5	127.8	163.4	176.4	169.6	189.9	215.5	202.8

PROVINCE	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			
	REGION VI	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN
AKLAN		109.5	198.5	154.9	62.0	98.0	82.1	69.1	124.6	96.3	273.8	309.2	63.1	187.0	201.2	194.2	273.8	309.2	288.2
ANTIQUE		55.1	144.7	99.4	31.3	79.8	59.0	35.6	93.0	71.2	290.0	345.7	46.2	181.4	194.0	187.0	290.0	345.7	296.3
CAPIZ		124.6	220.6	167.2	67.7	107.2	90.8	66.0	141.2	104.1	247.7	294.4	65.7	188.2	203.8	197.0	247.7	294.4	280.8
GUIMARAS		53.3	73.0	58.1	51.2	64.0	57.5	53.4	75.5	63.7	305.8	319.0	39.1	180.9	198.7	188.5	305.8	319.0	313.6
ILOILO		54.3	182.5	114.3	47.2	129.4	74.2	49.8	113.5	80.7	219.2	314.8	46.7	177.7	197.8	188.5	219.2	314.8	295.2
NEGROS OCCIDENTAL		64.8	177.2	99.0	67.0	137.7	86.0	77.6	106.4	91.0	226.8	321.3	72.8	172.6	220.0	191.6	226.8	321.3	285.0
REGION VII																			
NEGROS ORIENTAL		88.7	157.7	117.6	74.6	95.3	82.6	86.2	100.4	93.2	168.3	303.8	59.2	142.4	205.9	168.1	168.3	303.8	218.7
BOHOL		160.1	338.0	238.2	105.5	232.2	163.6	102.3	158.0	132.3	146.5	185.2	72.6	115.4	141.6	126.9	146.5	185.2	160.1
CEBU		121.1	361.3	178.3	79.9	303.7	135.4	83.8	172.6	108.1	165.5	253.5	61.4	138.9	180.3	158.4	165.5	253.5	211.8
SIQUIJOR		154.9	170.2	163.2	89.2	107.7	99.1	99.2	112.4	106.9	153.8	165.2	60.6	134.7	145.6	140.0	153.8	165.2	159.8
REGION VIII																			
BILIRAN		311.2	356.5	342.1	247.1	287.7	271.9	180.6	208.1	196.6	183.4	208.0	97.0	173.6	185.1	179.9	183.4	208.0	197.7
EASTERN SAMAR		475.3	583.2	521.2	335.9	409.7	373.8	239.7	368.6	304.0	176.5	236.0	131.7	160.5	210.8	192.5	176.5	236.0	224.4
LEYTE		295.7	487.3	395.3	244.2	381.3	329.0	153.8	224.2	190.7	186.9	223.8	92.1	137.6	192.1	173.9	186.9	223.8	215.0
NORTHERN SAMAR		354.4	551.3	506.7	251.3	411.3	361.3	210.5	395.0	332.1	180.1	227.6	115.8	163.0	187.1	175.6	180.1	227.6	207.1
SAMAR (WESTERN SAMAR)		346.7	524.0	451.5	255.4	386.8	335.7	207.5	335.3	275.5	175.9	231.2	124.4	168.5	204.9	189.4	175.9	231.2	215.3
SOUTHERN LEYTE		366.7	623.0	479.3	246.8	456.3	346.9	152.6	296.5	210.5	169.3	207.4	80.4	132.2	160.8	145.0	169.3	207.4	191.3
REGION IX																			
ZAMBOANGA DEL NORTE		107.7	197.7	150.8	69.0	115.0	97.3	95.3	117.8	109.1	157.8	251.5	86.8	139.2	181.0	168.3	157.8	251.5	222.3
ZAMBOANGA DEL SUR		103.3	169.9	138.5	61.7	110.2	95.1	100.0	126.2	114.2	153.3	256.0	88.3	132.4	185.3	168.8	153.3	256.0	220.0
ZAMBOANGA SIBUGAY		118.9	148.1	135.3	77.2	101.4	89.3	102.5	118.0	109.5	175.4	239.6	84.7	149.8	176.7	165.2	175.4	239.6	213.0
REGION X																			
BUKIDNON		112.4	300.0	177.9	107.0	233.0	150.1	77.2	190.1	137.3	222.8	285.2	103.7	163.5	226.8	209.9	222.8	285.2	261.6
CAMIGUIN		258.3	298.3	278.0	198.4	225.5	211.8	146.9	161.0	153.8	169.3	178.2	110.8	136.2	142.7	139.2	169.3	178.2	173.2
LANAO DEL NORTE		111.6	145.3	130.4	104.3	112.3	106.6	79.7	127.6	110.3	233.3	263.6	85.8	165.9	196.8	183.6	233.3	263.6	250.2
MISAMIS OCCIDENTAL		144.4	181.8	161.9	106.9	115.2	111.0	108.2	116.5	112.1	179.8	248.4	94.4	165.4	183.7	175.8	208.3	254.1	236.0
MISAMIS ORIENTAL		112.4	386.9	217.1	103.7	281.5	171.2	68.7	186.6	122.1	179.8	248.4	85.7	144.8	182.9	161.7	179.8	248.4	215.2
REGION XI																			
DAVAO DE ORO		207.3	618.6	383.9	160.3	474.2	291.7	122.0	350.6	221.5	178.8	234.2	136.0	204.5	242.5	220.6	178.8	234.2	198.5
DAVAO CITY		133.3	215.2	162.7	116.4	185.7	140.7	121.3	179.0	145.3	202.0	260.7	149.5	213.0	231.0	224.9	202.0	260.7	230.1
DAVAO DEL NORTE		164.8	436.1	259.4	135.6	339.2	213.2	123.5	262.1	188.7	185.2	262.7	107.9	205.1	230.4	223.0	185.2	262.7	224.4
DAVAO DEL SUR		114.7	152.6	129.6	94.9	121.8	109.2	100.7	126.0	115.0	154.0	219.5	155.1	153.4	222.3	188.4	154.0	219.5	189.2
DAVAO OCCIDENTAL		114.4	187.3	154.3	92.5	162.3	123.0	95.5	144.2	114.6	126.0	175.8	112.4	133.3	182.2	148.7	126.0	175.8	142.5
DAVAO ORIENTAL		232.2	682.0	402.8	174.4	512.6	291.2	136.0	374.6	215.8	172.6	210.4	146.3	174.5	245.2	210.9	172.6	210.4	183.8
REGION XII																			
SOUTH COTABATO		104.3	118.3	107.8	73.8	113.9	95.5	75.6	132.7	106.7	119.8	207.4	93.7	113.6	183.0	149.3	119.8	207.4	155.3
COTABATO		111.8	176.4	124.2	102.5	157.0	115.6	117.8	159.8	138.7	203.2	286.1	133.4	186.1	225.6	214.8	203.2	286.1	260.1
SARANGANI		107.1	164.2	128.1	80.3	143.3	106.2	81.0	130.6	105.8	117.5	171.6	89.8	118.2	161.9	135.6	117.5	171.6	132.9
SULTAN KUDARAT		106.9	120.2	110.9	95.9	117.9	108.4	106.8	145.4	130.7	168.0	240.8	119.4	159.7	199.9	179.1	168.0	240.8	203.0
REGION XIII																			
AGUSAN DEL NORTE		311.9	647.5	467.9	234.9	456.7	333.9	165.2	297.0	218.5	162.0	217.8	131.3	139.9	188.1	158.0	162.0	217.8	188.6
AGUSAN DEL SUR		271.7	851.4	508.1	216.0	673.2	385.0	165.4	493.7	280.0	173.8	254.9	164.0	158.5	266.0	215.6	173.8	254.9	222.9
DINAGAT ISLANDS		557.3	733.6	656.9	409.6	532.2	473.8	256.3	348.3	305.5	166.6	182.7	147.2	139.5	156.7	147.9	166.6	182.7	171.1
SURIGAO DEL NORTE		594.0	754.3	691.7	428.1	565.6	491.6	279.5	373.0	322.3	161.5	180.7	154.4	132.9	174.3	149.2	161.5	180.7	167.8
SURIGAO DEL SUR		602.5	893.3	711.6	419.6	712.5	516.6	272.8	524.6	357.5	168.9	224.1	194.0	154.8	272.9	210.2	168.9	224.1	201.8
BARMIM																			
BASILAN		97.2	107.8	104.0	66.7	78.2	71.9	94.5	105.6	103.6	154.5	172.0	80.9	137.3	148.2	142.4	154.5	172.0	160.2
MAGUINDANAO		109.2	122.6	113.9	100.7	113.7	107.0	118.0	159.9	144.3	199.4	284.2	121.3	180.1	226.6	207.0	199.4	284.2	253.3
LANAO DEL SUR		111.6	132.4	120.3	104.4	121.5	109.4	95.4	146.5	123.4	244.3	285.8	106.6	176.9	218.8	201.2	244.3	285.8	270.2
SULU		81.6	105.7	97.0	62.7	84.0	75.4	79.4	106.8	96.7	166.3	222.9	82.1	140.1	155.8	147.6	166.3	222.9	188.5
TAWI-TAWI		74.9	101.3	89.9	53.1	83.2	69.4	68.5	101.1	85.3	179.9	260.4	77.8	147.5	169.5	155.5	179.9	260.4	211.0

FORECAST WATERSHED RAINFALL for selected Dams and Lakes

in (mm) and (%N) FOR JAN - JUN 2022

NAME	Angat WS	La Mesa WS	Lake Buhi	Lake Lanao	Magat WS	Malinao WS	Pantabangan WS	San Roque Cascade WS
JANUARY	MIN	42.8	40.0	139.8	111.6	22.9	236.0	54.7
	MAX	155.5	55.1	297.3	147.2	96.9	276.4	142.3
	MEAN	95.6	47.9	183.1	120.5	48.8	257.6	90.8
	%NORMAL	91.4	109.7	116.0	104.4	88.8	130.6	84.7
FEBRUARY	MIN	18.8	23.6	73.7	103.7	22.4	161.8	43.1
	MAX	157.4	35.2	230.7	125.8	82.4	189.1	115.3
	MEAN	91.4	29.8	118.3	110.5	42.3	176.7	73.1
	%NORMAL	109.6	97.4	116.9	126.9	87.8	129.9	85.2
MARCH	MIN	40.0	30.6	70.3	68.7	37.8	128.7	63.2
	MAX	138.9	38.6	173.4	135.7	100.1	141.9	131.5
	MEAN	78.5	34.5	90.4	107.5	62.5	135.6	92.0
	%NORMAL	107.9	95.7	109.8	126.5	95.0	128.0	115.7
APRIL	MIN	33.2	30.1	0.0	37.3	51.7	70.1	60.2
	MAX	130.7	37.7	85.5	120.3	92.1	82.2	137.8
	MEAN	65.2	33.9	28.3	85.1	71.4	77.4	93.1
	%NORMAL	83.2	88.3	68.3	80.5	79.1	87.8	88.0
MAY	MIN	224.1	194.3	154.2	157.5	225.9	125.5	245.4
	MAX	243.6	206.8	175.2	212.7	291.0	129.5	271.5
	MEAN	238.2	199.3	160.6	191.0	265.1	127.3	259.6
	%NORMAL	110.4	100.4	97.6	108.2	101.8	124.1	103.8
JUNE	MIN	275.6	293.6	167.2	227.4	199.6	153.0	230.0
	MAX	295.9	295.8	203.3	283.8	340.3	163.7	293.9
	MEAN	288.9	294.8	185.2	260.1	273.4	158.4	258.5
	%NORMAL	100.9	103.1	97.9	94.7	99.7	103.6	99.8



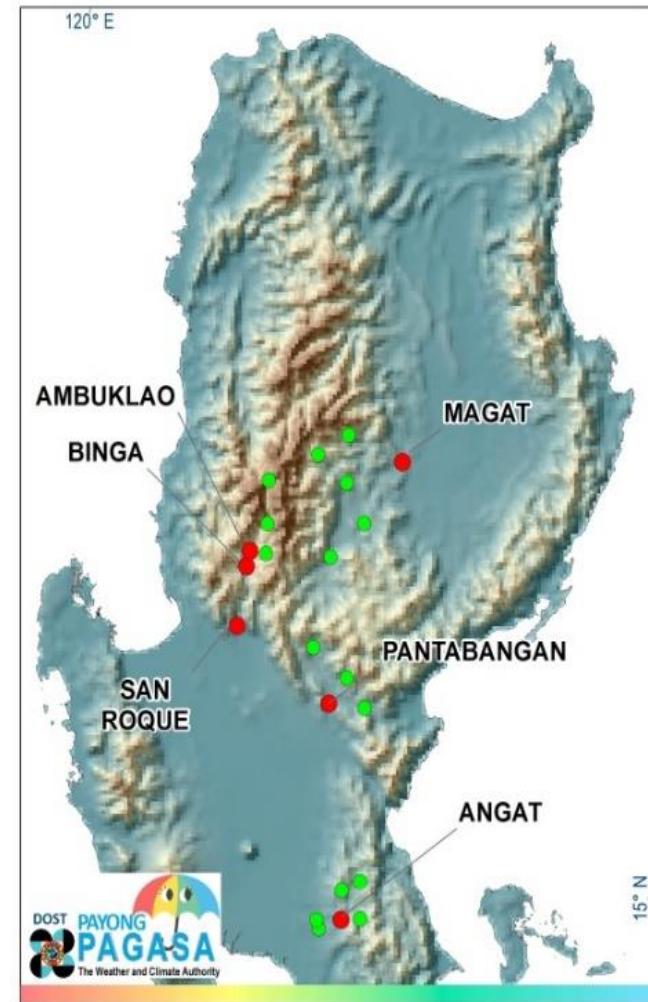
0 125 250 500 Kilometers



FORECAST RAINFALL OF RAIN STATIONS OVER SELECTED DAM AREAS

in (mm) and (%N) FOR JANUARY - JUNE 2022

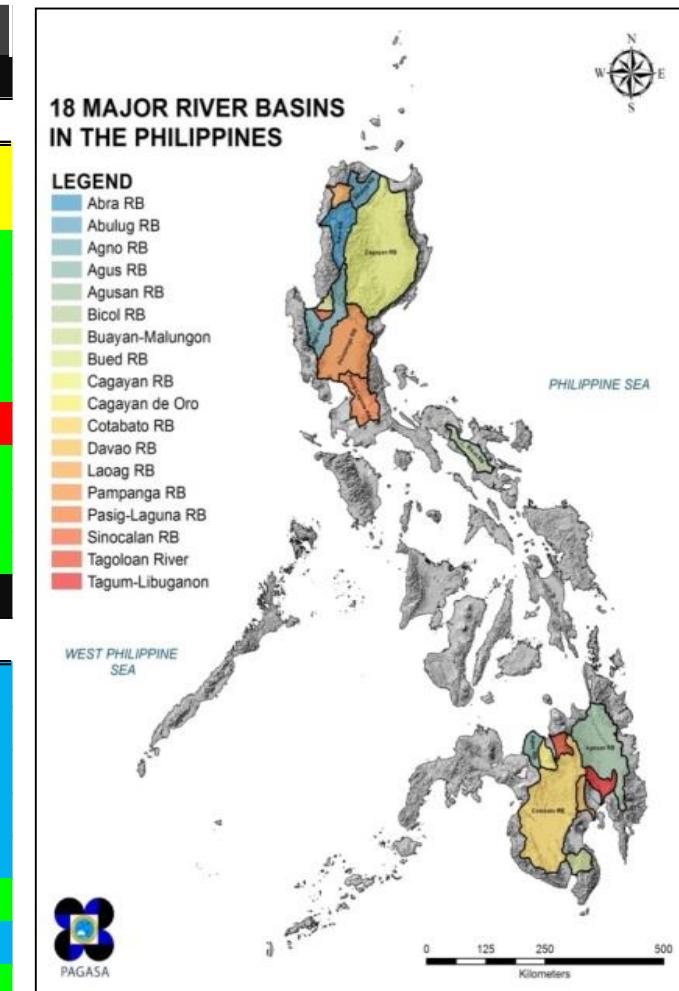
SITES	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	MM	%NORMAL	MM	%NORMAL	MM	%NORMAL	MM	%NORMAL	MM	%NORMAL	MM	%NORMAL
AMBUKLAODAM	24.5	87.8	24.7	79.2	56.5	94.6	86.9	85.3	302.8	99.2	364.2	103.5
ANGATDAM	43.8	97.8	19.4	90.2	40.6	126.6	33.9	83.8	224.0	107.2	295.8	102.0
APUNAN	27.7	86.9	26.2	76.3	53.1	83.9	74.4	74.2	287.8	99.3	351.5	101.7
BADAYAN	22.9	82.6	22.3	69.5	44.8	71.1	64.1	65.2	269.8	98.0	332.2	99.9
BINGADAM	23.4	87.6	24.7	83.4	58.4	106.4	91.5	92.2	301.3	98.9	368.1	104.6
BOBOK	29.8	87.9	28.7	81.2	58.9	97.4	86.8	86.3	296.6	99.9	349.4	102.7
BUNGA	63.5	82.7	51.0	82.6	73.0	116.7	78.4	91.5	264.0	102.9	284.7	102.2
BUYOC	43.1	89.7	37.4	89.7	54.7	89.0	61.4	73.5	255.6	101.6	251.2	98.8
DANTOR	32.7	86.9	28.6	83.7	43.2	81.8	61.5	73.0	237.6	99.9	231.2	99.5
DUMAYUP	63.6	92.3	53.9	97.0	71.5	98.4	66.1	79.4	264.6	103.8	242.9	98.3
HALONG	29.9	84.9	27.2	78.5	44.8	78.1	63.1	70.8	249.6	99.2	269.6	99.0
IPODAM	26.0	98.6	6.8	86.4	27.7	112.9	16.1	88.1	209.0	101.3	302.5	103.1
MAGATDAM	48.9	93.0	40.1	101.2	51.9	94.7	51.9	77.5	240.1	103.8	199.7	101.1
MAPUTI	118.8	83.9	135.6	110.8	124.5	118.4	84.5	83.3	238.6	110.2	285.2	100.3
MARIKIT	134.1	89.1	108.1	89.4	124.8	113.3	126.8	88.8	261.8	104.6	247.6	97.8
MATULID	96.2	98.6	80.0	120.6	47.3	91.3	56.6	81.7	242.4	112.4	290.9	101.0
NORZAGARAY	22.8	95.5	3.6	83.6	27.1	114.6	13.4	88.5	210.4	101.4	302.7	103.0
PADALIS	99.3	86.3	79.8	86.8	99.1	115.9	98.7	88.4	260.7	104.4	249.3	99.1
PANTABANGAN DAM	75.2	78.8	59.2	79.3	75.6	117.0	71.9	80.7	246.5	103.6	255.9	100.6
SANROQUEDAM	19.9	76.6	19.1	73.2	45.9	113.1	84.8	106.9	266.7	97.2	359.4	108.4
STODOMINGO	58.9	90.9	50.9	90.9	73.3	102.0	76.4	81.2	274.9	102.7	287.7	99.5
TALAGUIO	56.2	91.6	34.9	89.1	48.3	110.7	49.3	86.2	233.3	107.8	290.4	101.7
UMIRAY	173.5	100.5	155.5	121.5	115.7	101.1	89.0	80.7	240.0	110.6	282.1	98.9



FORECAST RAINFALL OVER SELECTED RIVER BASINS

in (mm) and (%N) FOR JAN - MAR 2022

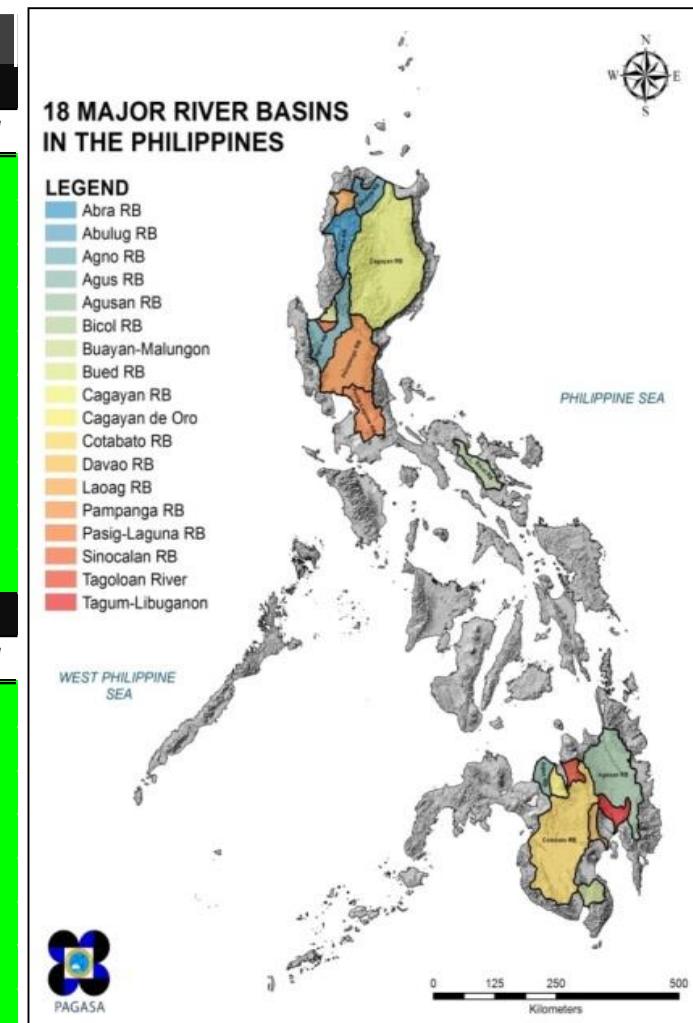
CATCHMENT	JANUARY 2022				FEBRUARY 2022				MARCH 2022			
	LUZON											
	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal
Abra RB	2.3	25.4	11.7	61.3	0.9	21.4	10.4	43.1	1.7	44.5	17.8	42.3
Abulug RB	23.3	104.5	56.9	85.8	14.6	57.1	32.4	59.5	13.3	34.7	23.5	66.9
Agno RB	0.0	41.9	12.0	62.5	0.0	37.6	12.5	66.5	13.3	65.7	31.3	99.4
Bicol RB	139.8	298.7	194.9	115.0	73.7	267.6	135.6	118.6	70.3	220.5	107.2	113.5
Bued RB	3.2	18.5	11.2	71.9	5.2	22.1	13.1	65.2	19.8	61.1	37.9	103.3
Cagayan RB	14.1	247.9	78.5	95.9	13.2	234.1	63.4	91.7	18.6	234.0	70.4	95.5
Laoag RB	4.3	42.7	18.4	55.8	0.2	24.3	9.2	26.1	1.2	17.8	8.0	33.5
Pampanga RB	0.1	185.0	43.9	72.6	0.0	157.3	35.2	75.3	11.4	158.9	47.5	107.0
Pasig-Laguna RB	1.3	238.3	87.0	117.0	0.0	195.3	64.8	111.9	15.6	150.1	54.7	97.6
Sinocalan RB	0.8	16.0	5.1	60.0	2.7	14.1	5.9	53.3	17.7	37.1	22.7	95.5
MINDANAO												
CATCHMENT	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal
Agus RB	111.6	155.4	123.2	99.5	103.7	126.4	109.7	131.4	68.7	114.4	89.5	124.6
Agusan RB	267.2	759.5	468.2	111.3	208.3	591.8	353.6	124.6	153.2	431.7	257.5	120.2
Buayan-Malungon	105.7	154.6	126.5	102.7	73.8	120.0	98.8	129.3	75.6	111.9	98.8	126.9
Cagayan de Oro	113.4	148.5	128.4	99.4	105.1	128.0	115.7	132.2	73.9	126.8	102.2	125.1
Cotabato RB	105.1	292.4	134.7	110.9	87.9	232.5	121.8	119.4	96.5	197.0	137.7	126.7
Davao RB	145.2	264.2	183.1	100.3	130.4	217.1	159.1	113.3	125.4	190.8	159.2	111.6
Tagoloan River	143.9	249.7	196.2	102.1	124.5	193.9	157.1	132.9	101.5	156.1	125.8	124.8
Tagum-Libuganon	189.8	509.5	323.3	104.9	163.7	394.0	258.8	120.9	161.0	297.3	214.7	115.2



FORECAST RAINFALL OVER SELECTED RIVER BASINS

in (mm) and (%N) FOR APR – JUN 2022

CATCHMENT	APRIL 2022				MAY 2022				JUNE 2022			
	LUZON											
	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal
Abra RB	8.1	64.5	39.8	65.5	150.8	275.3	188.5	90.9	203.6	348.6	264.2	100.4
Abulug RB	28.7	57.5	41.6	69.7	133.8	160.0	144.0	91.8	138.8	217.5	180.5	98.1
Agno RB	31.0	94.5	58.3	82.1	180.6	315.6	230.9	92.1	288.5	446.5	361.9	107.0
Bicol RB	0.0	108.7	42.1	72.7	154.2	174.5	161.0	98.9	162.3	203.1	180.8	96.7
Bued RB	64.6	93.2	80.3	101.3	217.8	310.8	256.6	93.8	353.8	414.3	387.5	110.1
Cagayan RB	29.6	170.9	66.0	80.5	131.6	291.0	217.7	101.4	135.0	340.5	197.5	102.3
Laoag RB	8.6	35.1	21.2	57.5	144.8	155.4	148.3	87.1	204.1	260.0	236.5	98.6
Pampanga RB	0.0	177.1	45.6	68.5	176.0	271.5	212.9	97.6	230.4	429.7	290.4	101.5
Pasig-Laguna RB	0.0	105.9	46.3	83.8	149.7	228.9	176.6	101.1	184.9	338.6	254.5	99.7
Sinocalan RB	52.4	71.2	60.8	93.7	210.7	248.8	222.8	90.8	340.6	422.7	376.3	111.5
MINDANAO												
CATCHMENT	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal
Agus RB	37.3	98.2	57.6	69.8	153.1	199.8	170.2	110.9	211.6	271.7	238.4	96.0
Agusan RB	106.8	297.6	150.2	98.7	147.8	252.3	210.8	109.3	177.9	255.8	218.0	94.2
Buayan-Malungon	55.7	134.5	89.7	101.0	113.6	172.4	145.8	105.1	126.3	168.3	145.7	91.9
Cagayan de Oro	37.5	108.5	70.8	74.4	160.3	214.7	191.3	108.1	226.4	276.3	257.6	94.5
Cotabato RB	76.8	177.5	120.5	93.2	135.6	226.8	204.1	104.6	134.9	286.1	244.5	92.3
Davao RB	100.4	191.2	126.1	83.8	222.4	226.8	225.8	102.8	202.6	262.8	243.1	90.9
Tagoloan River	59.4	110.6	89.7	81.9	164.8	219.4	193.8	108.2	224.8	268.5	244.7	95.8
Tagum-Libuganon	82.3	156.4	106.2	86.3	212.8	235.6	225.0	106.7	199.2	250.9	221.5	92.1



NORMAL (1981 - 2010)						
PROVINCE	JAN	FEB	MAR	APR	MAY	JUN
REGION VI (WESTERN VISAYAS)						
AKLAN	24	24	27	26	23	16
ANTIQUE	26	25	28	26	23	15
CAPIZ	23	23	26	26	23	16
GUIMARAS	26	25	26	25	21	13
ILOILO	25	24	26	25	23	15
NEGROS OCCIDENTAL	25	24	26	24	19	13
REGION VII (CENTRAL VISAYAS)						
NEGROS ORIENTAL	24	23	26	25	21	16
BOHOL	21	21	25	26	25	20
CEBU	22	22	25	25	23	17
SQUIJOR	21	22	26	26	24	19
REGION VIII (EASTERN VISAYAS)						
BILIRAN	20	19	21	24	23	17
EASTERN SAMAR	9	12	15	15	18	16
LEYTE	17	17	20	22	23	18
NORTHERN SAMAR	11	15	18	19	20	17
SAMAR (WESTERN SAMAR)	13	15	18	19	20	16
SOUTHERN LEYTE	14	16	19	21	23	20
REGION IX (ZAMBOANGA PENINSULA)						
ZAMBOANGA DEL NORTE	21	21	25	23	21	15
ZAMBOANGA DEL SUR	22	21	24	22	20	14
ZAMBOANGA SIBUGAY	22	22	24	22	20	15
REGION X (NORTHERN MINDANAO)						
BUKIDNON	20	19	22	21	16	12
CAMIGUIN	19	21	25	26	24	19
LANAO DEL NORTE	22	21	25	24	20	14
MISAMIS OCCIDENTAL	20	21	25	24	21	15
MISAMIS ORIENTAL	20	21	25	25	21	16
REGION XI (DAVAO REGION)						
COMPOSTELA VALLEY	18	16	20	20	19	17
DAVAO CITY	20	20	21	19	15	14
DAVAO DEL NORTE	19	19	21	20	17	14
DAVAO DEL SUR	22	21	23	21	17	16
DAVAO OCCIDENTAL	23	22	26	24	23	20
DAVAO ORIENTAL	17	16	20	19	20	19
REGION XII (SOCCSKSARGEN)						
SOUTH COTABATO	24	21	24	23	21	17
COTABATO	21	20	21	20	15	12
SARANGANI	24	22	26	25	23	20
SULTAN KUDARAT	23	21	23	21	18	14
REGION XIII- CARAGA						
AGUSAN DEL NORTE	13	15	18	20	20	17
AGUSAN DEL SUR	14	14	17	18	17	15
DINAGAT ISLANDS	8	10	13	16	21	18
SURIGAO DEL NORTE	7	9	12	16	20	18
SURIGAO DEL SUR	8	9	12	15	17	17
ARMM						
BASILAN	27	24	26	23	23	18
MAGUINDANAO	22	20	21	20	16	12
LANAO DEL SUR	22	21	23	23	18	13
SULU	28	25	26	24	24	20
TAWI-TAWI	28	25	26	23	25	21

FORECAST						
JAN	FEB	MAR	APR	MAY	JUN	
23	23	27	26	21	14	
25	25	27	27	21	13	
22	21	26	26	20	14	
24	22	25	26	19	11	
23	22	25	26	20	13	
25	20	26	25	17	11	
23	20	25	26	19	14	
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19	19	20	20	13	11	
23	19	25	25	22	19	
21	19	21	22	17	14	
11	12	17	18	20	16	
12	12	16	17	16	15	
7	7	13	16	22	17	
6	7	13	15	21	17	
7	7	12	13	17	17	

ANOMALY						
JAN	FEB	MAR	APR	MAY	JUN	
-2	-1	0	0	-3	-2	
-2	-1	-1	0	-2	-2	
-2	-2	0	0	-3	-2	
-2	-2	-1	1	-2	-3	
0	-3	0	1	-3	-2	
0	-3	-1	0	-2	-2	
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-1	-2	-1	0	-3	-2	
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-3	-2	-2	0	-2	-1	
-2	-2	-1	0	-2	-2	
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-2	-2	-1	0	-1	0	
-1	-2	-1	0	-1	0	
-1	-2	-1	0	-1	0	
-1	-2	-1	0	-1	0	
-2	-1	-1	0	-2	-1	
-1	-2	-1	0	-1	0	
-1	-2	-1	0	-1	0	
-2	-2	-1	0	-2	-1	
-1	-2	-1	0	-1	0	
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-2	-3	0	0	1	-1	
-1	-2	0	-1	1	-1	
-1	-2	0	-1	0	0	
-2	-2	-2	0	-1	0	
-2	-2	-2	0	-2	-1	
-1	-2	-1	0	-1	0	
-2	-3	-1	-2	-1	0	
-1	-3	0	0	1	-1	
-1	-2	0	-1	1	-1	
-1	-2	0	-1	0	0	
-2	-2	-2	1	0	1	
-3	-2	-2	0	-2	-1	
-2	-3	-1	0	-2	-2	
-2	-3	-1	0	-2	-2	
-2	-1	-2	1	1	1	

MONTHLY MEAN TEMPERATURE FORECAST (JANUARY - JUNE 2022)

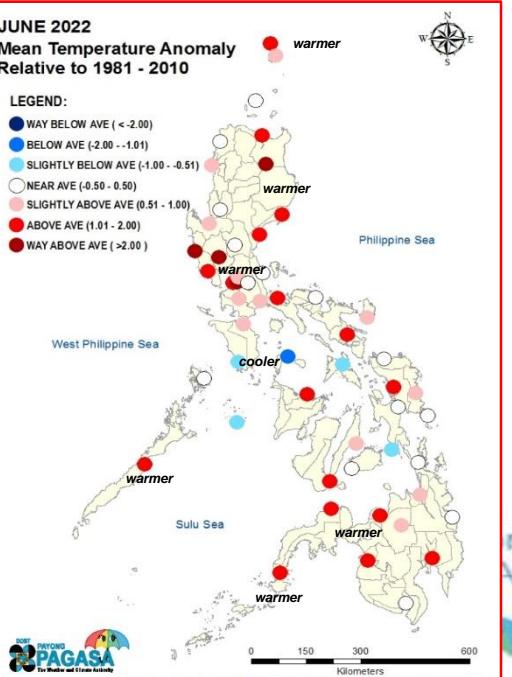
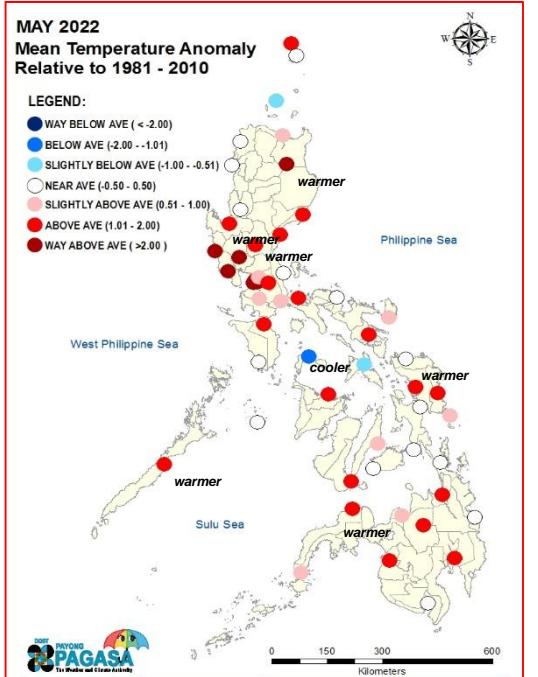
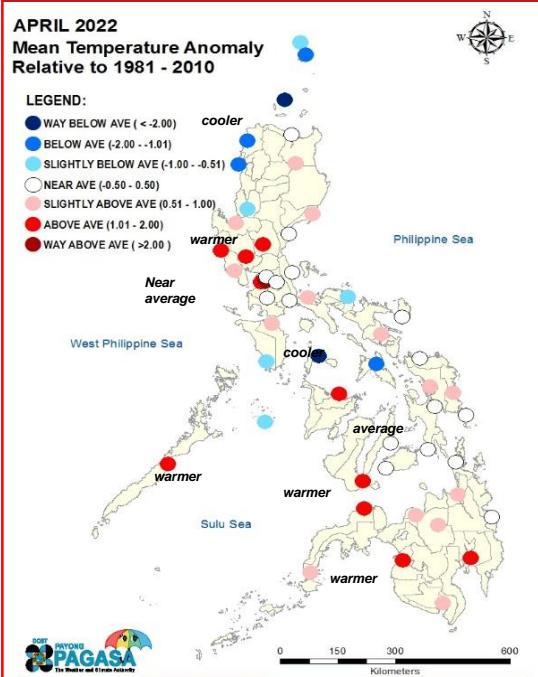
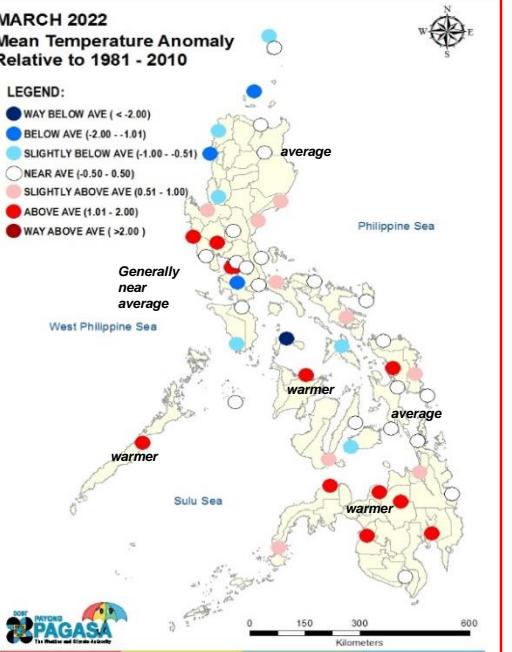
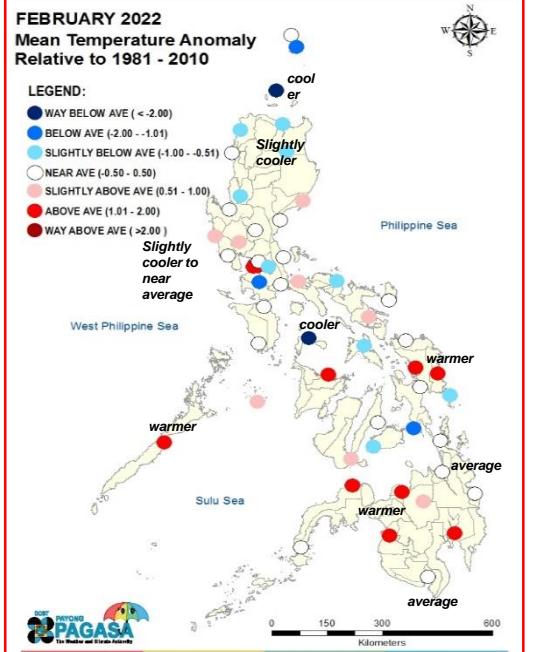
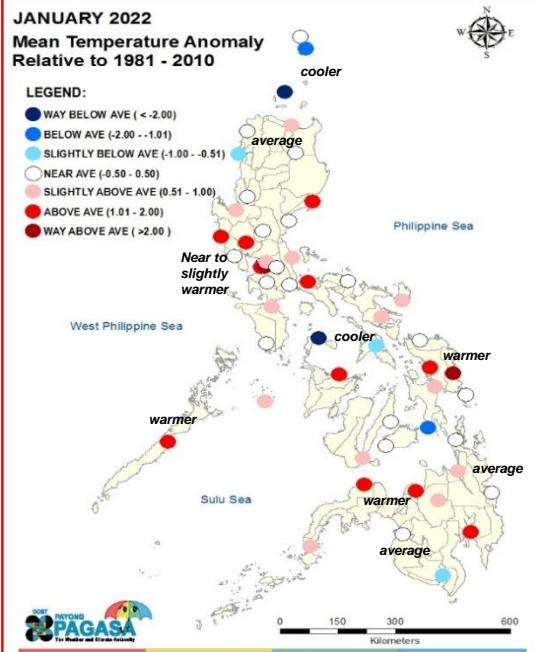
LEGEND

- 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)

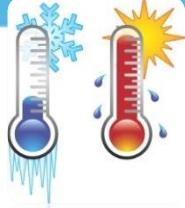


SCAN ME

For more details
and updates



FORECAST RANGES OF EXTREME TEMPERATURE



Updated : 22 December 2021

TMAX Summary	Jan-22		Feb-22		Mar-22		Apr-22		May-22		Jun-22	
	Tmax-Range											
Northern Luzon	26.3	35.3	28.1	36.1	29.4	38.0	30.5	39.3	31.0	39.6	31.0	38.5
Lowlands Luzon	26.8	35.9	27.0	36.5	28.8	37.8	30.0	39.5	29.8	39.3	29.1	38.0
Mountainous Luzon	24.8	27.7	25.3	27.2	26.2	28.0	26.2	28.1	26.1	28.0	25.2	28.0
Metro Manila	31.9	34.9	32.3	35.2	34.5	36.7	34.8	37.8	34.7	37.3	33.4	37.2
Lowlands Visayas	29.9	35.3	29.9	38.2	30.7	36.6	31.8	37.3	31.8	36.9	32.5	38.4
Lowlands Mindanao	31.2	36.7	31.6	37.1	32.1	38.1	32.8	38.7	32.8	37.2	32.5	38.4
Mountainous Mindanao	31.9	33.7	32.0	34.9	32.9	34.4	32.7	35.0	32.6	34.0	31.5	34.2

TMIN Summary	Jan-22		Feb-22		Mar-22		Apr-22		May-22		Jun-22	
	Tmin-Range											
Northern Luzon	12.0	20.6	14.1	22.8	14.0	23.1	16.5	23.8	20.2	24.2	17.8	24.3
Lowlands Luzon	14.5	25.4	15.2	24.6	17.0	25.2	18.4	26.0	17.2	26.5	17.9	26.6
Mountainous Luzon	7.9	11.6	10.0	12.1	10.0	13.7	13.4	16.1	15.0	16.2	14.8	15.7
Metro Manila	18.1	23.7	18.3	22.8	19.4	24.5	21.6	26.0	22.9	25.1	22.4	25.8
Lowlands Visayas	19.6	25.0	18.2	24.4	18.6	24.6	20.1	25.6	20.0	25.1	20.3	26.0
Lowlands Mindanao	19.0	23.0	18.2	23.2	18.2	23.8	19.1	24.5	19.7	26.5	18.6	24.5
Mountainous Mindanao	15.0	16.6	13.5	17.0	14.0	17.0	15.4	17.5	16.0	17.9	17.4	18.5

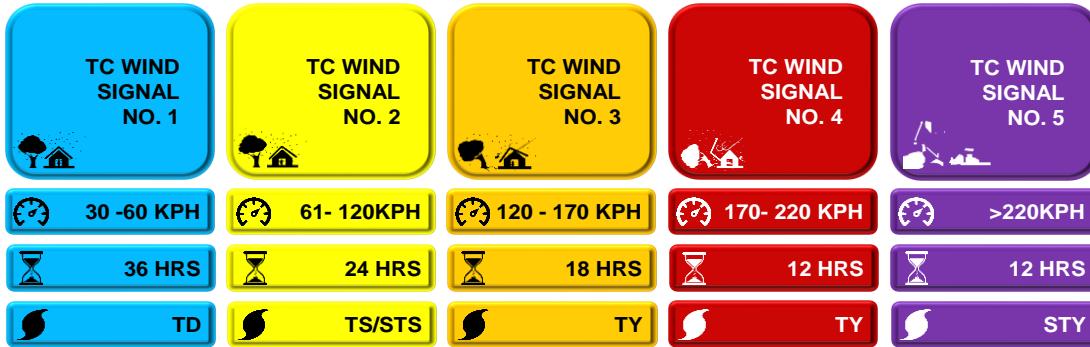


HOW MANY TROPICAL CYCLONES SHOULD YOU EXPECT?

JANUARY 2022	0 OR 1	APRIL 2022	0 or 1
FEBRUARY 2022	0 OR 1	MAY 2022	0 or 1
MARCH 2022	0 OR 1	JUNE 2022	1 OR 2

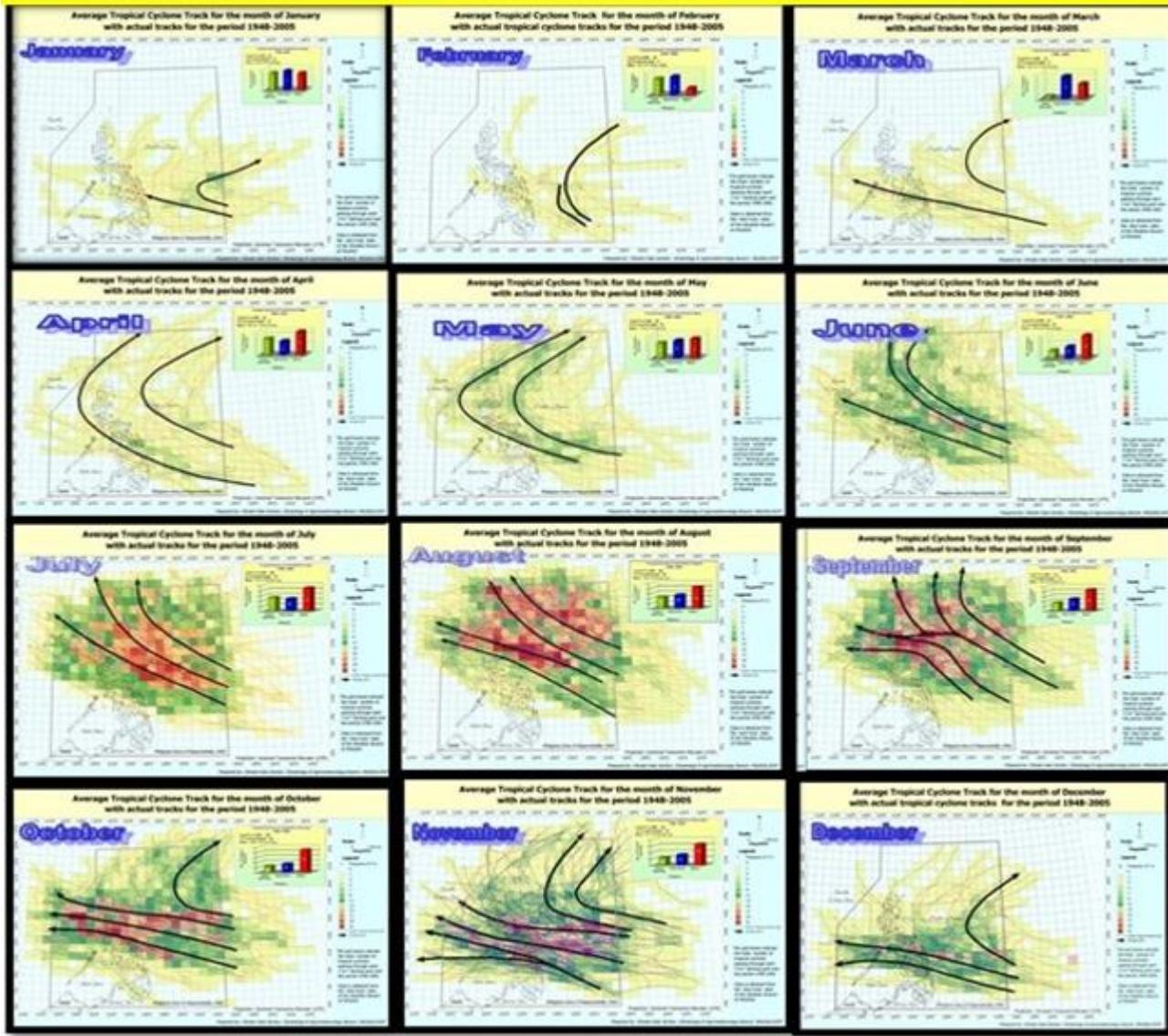
Tropical Cyclone Wind Signals

- Warning signals** are based on **wind speed**.



Introduced 2015

Tropical Cyclone Tracks Climatology with actual tracks from 1948-2015



SUMMARY

- ENSO Alert System Status: **LA NINA ADVISORY #3**
- La Niña persists and likely to continue until the Feb-Mar-Apr 2022 (~60% chance) and transition to ENSO-neutral conditions during April-June 2022 season.
- **Forecast Rainfall**
 - January 2022 –generally near to above normal over most parts of the country, except some below to near normal rainfall conditions over CAR, Regions I and III;
 - February 2022- Mostly below normal rainfall conditions are likely in Regions of CAR, I, II, and III, while rest of the country may receive near to above normal rainfall conditions;
 - March 2022- generally above normal rainfall conditions over most parts of the country, except for below to near normal rainfall conditions in CAR and Region I.
 - April 2022 – mostly below normal rainfall conditions in most areas of Luzon and Visayas, while near to above normal rainfall for the rest of the country;
 - May and June 2022 – generally near normal rainfall conditions are expected in the country with some areas in Central and Eastern Visayas that may receive above normal rainfall in May.

SUMMARY

■ Forecast Temperature

- Slightly cooler to near average in the northern areas of Luzon and the mountainous part, while average to warmer than average surface air temperatures are expected over rest of the country during the forecast period. Surges of cold temperature will be likely in DJF season.

■ Tropical Cyclone Forecast

- 1 – 4 tropical cyclones are expected to enter/develop in the PAR from January to June 2022.



Merry
Christmas and
Happy New
Year to All!!!

Stay safe



<http://www.bagong.pagasa.dost.gov.ph/>



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Schematic description of atmospheric circulation expected in the coming winter

