

Abangan ang susunod na kabanata:

CLIMATE OUTLOOK

MARCH – AUGUST 2024

Prepared by:

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OIC, CAD



“Building a More
Responsive and
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LIVE via Zoom

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DOST PAGASA Weather Report
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CONTENT



#BantayKlima



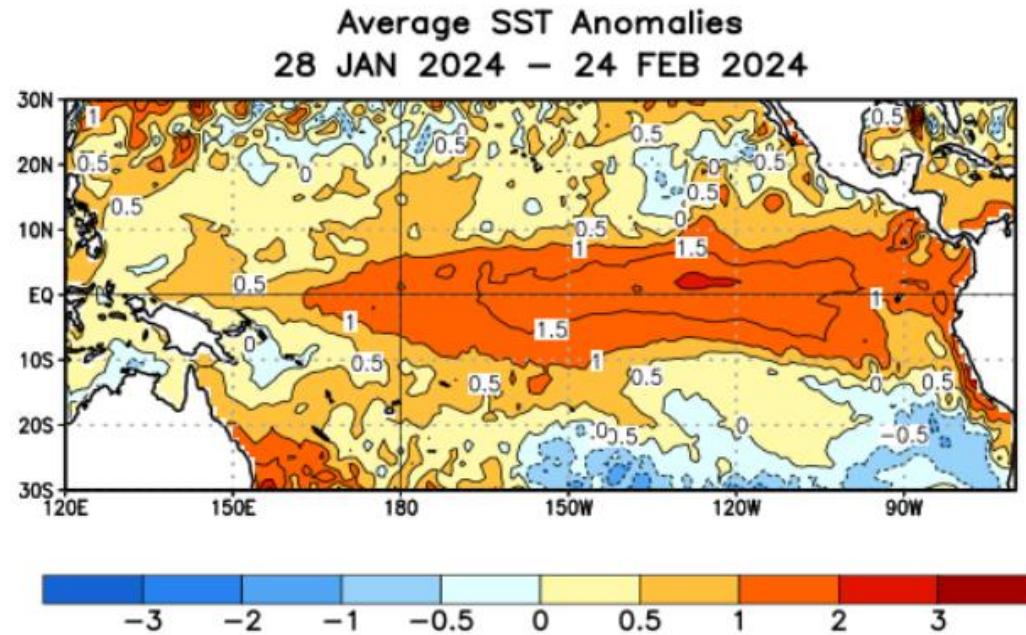
01 ► ENSO Update

02 ► Climate Outlook
(MARCH – AUGUST 2024)

03 ► Summary

Conditions in the Tropical Pacific

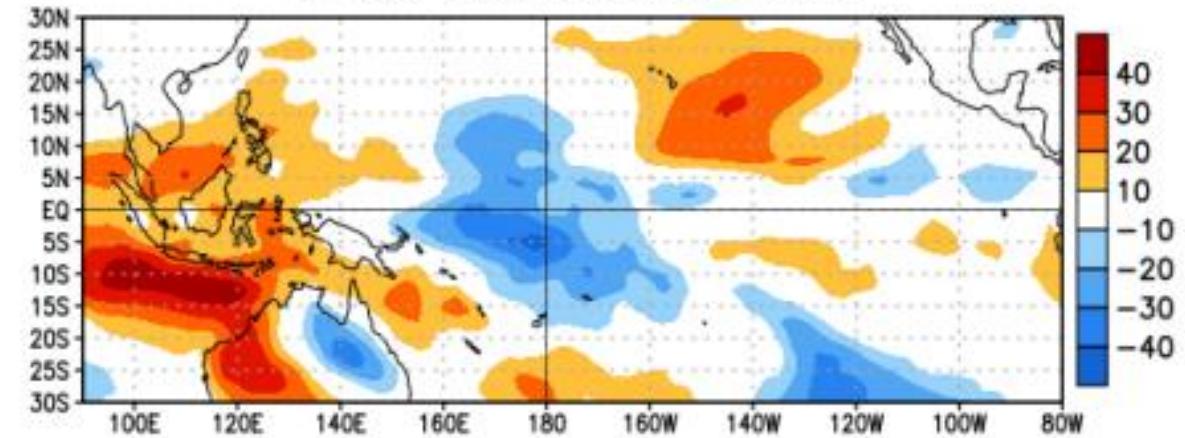
Oceanic Indicator



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

Atmospheric Indicator

OLR Anomalies
30 JAN 2024 to 24 FEB 2024



- Negative OLR anomalies (enhanced convection and precipitation) were observed near the Date Line, while positive OLR anomalies (suppressed convection and precipitation) were evident around Indonesia and the Philippines.

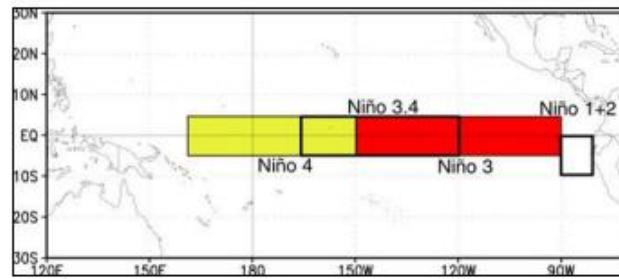
El Niño Update

as of 26 FEBRUARY 2024

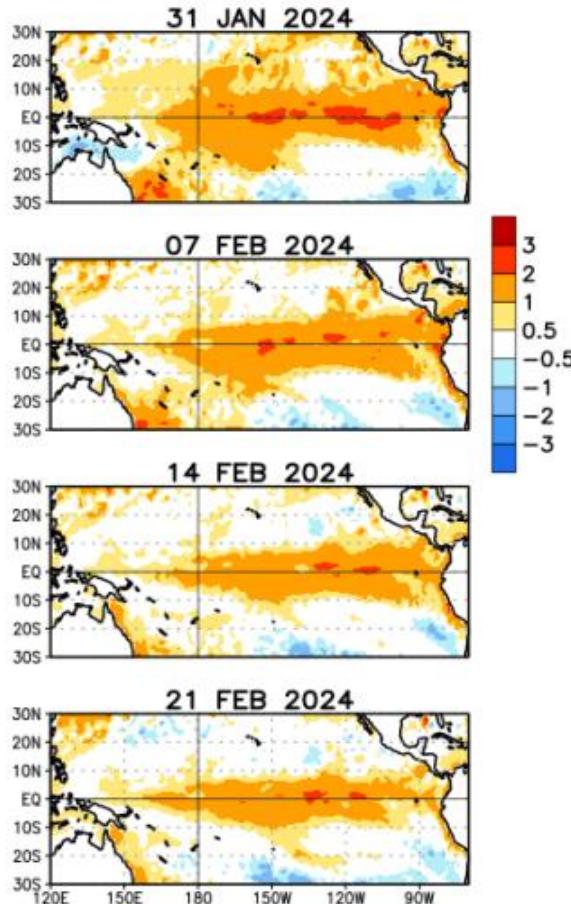
Niño Region SST Departures (°C) Recent Evolution

The latest weekly SST departures are:

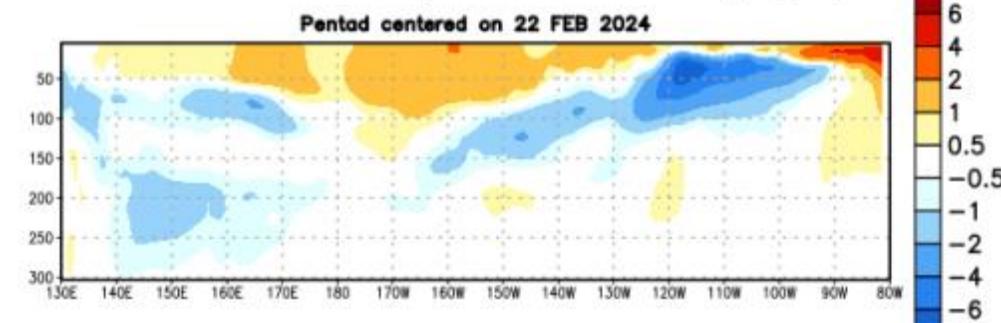
Niño 4	1.2°C
Niño 3.4	1.5°C
Niño 3	1.4°C
Niño 1+2	0.7°C



Weekly SST Anomalies (DEG C)



EQ. Subsurface Temperature Anomalies (deg C)



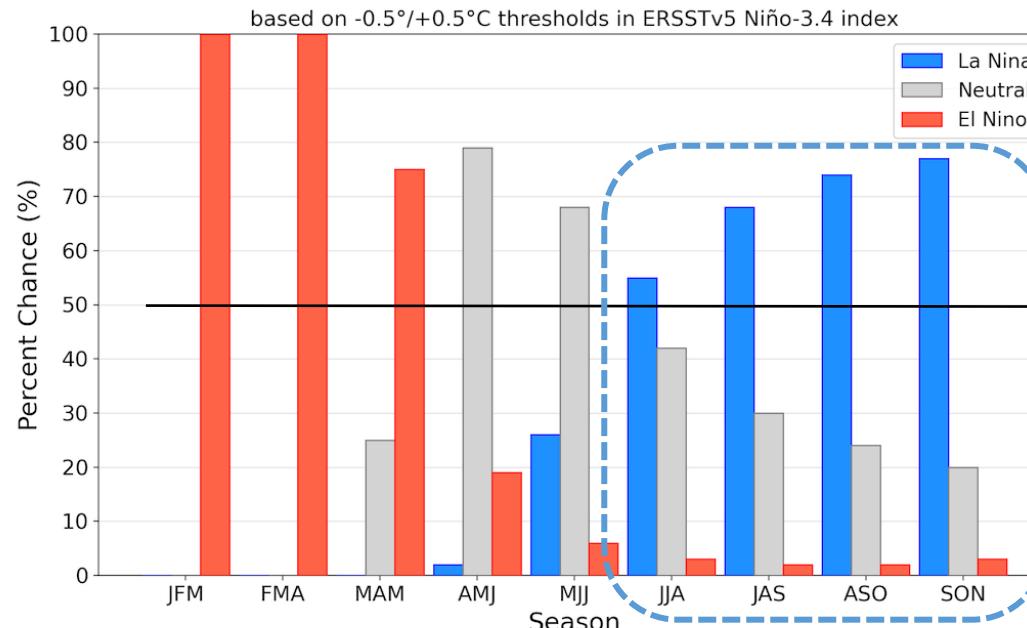
Most recent pentad analysis

- Positive subsurface temperature anomalies have weakened at depth, but persist in the upper 25-100 meters most of the equatorial Pacific.
- Negative subsurface temperature anomalies expanded across the equatorial Pacific. Recently, below-average temperatures have expanded close to the surface in the eastern Pacific Ocean (near 120° - 100°W).

- During the last 4 weeks, above-average SSTs weakened across most of the equatorial Pacific Ocean.

What are the chances?

Official NOAA CPC ENSO Probabilities (issued Feb. 2024)



Model output + Expert judgment
ENSO probability forecast

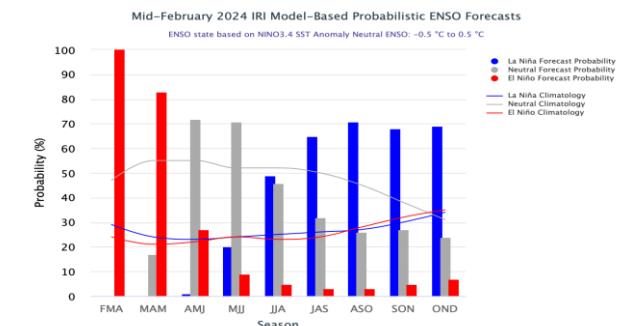
- El Niño (red bar) is expected to continue until MAM season
- A transition to ENSO-neutral is anticipated by April-June 2024 (79% chance).
- increasing odds of La Niña (blue bar) developing in June-August 2024 (55% chance)

ENSO STRENGTHS (08 Feb 2024)

Target	LA NIÑA				EL NIÑO			
	$\leq -2.0^{\circ}\text{C}$	$\leq -1.5^{\circ}\text{C}$	$\leq -1.0^{\circ}\text{C}$	$\leq -0.5^{\circ}\text{C}$	$\geq 0.5^{\circ}\text{C}$	$\geq 1.0^{\circ}\text{C}$	$\geq 1.5^{\circ}\text{C}$	$\geq 2.0^{\circ}\text{C}$
SEASON	VERY STRONG	STRONG	MODERATE	WEAK	WEAK	MODERATE	STRONG	VERY STRONG
JFM	~0	~0	~0	~0	~100	100	53	~0
FMA	~0	~0	~0	~0	100	72	1	~0
MAM	~0	~0	~0	~0	75	7	~0	~0
AMJ	~0	~0	~0	2	19	1	~0	~0
MJJ	~0	~0	3	26	6	~0	~0	~0
JJA	~0	3	20	55	3	~0	~0	~0
JAS	2	12	37	68	2	~0	~0	~0
ASO	6	21	47	74	2	~0	~0	~0
SON	11	28	53	77	3	~0	~0	~0

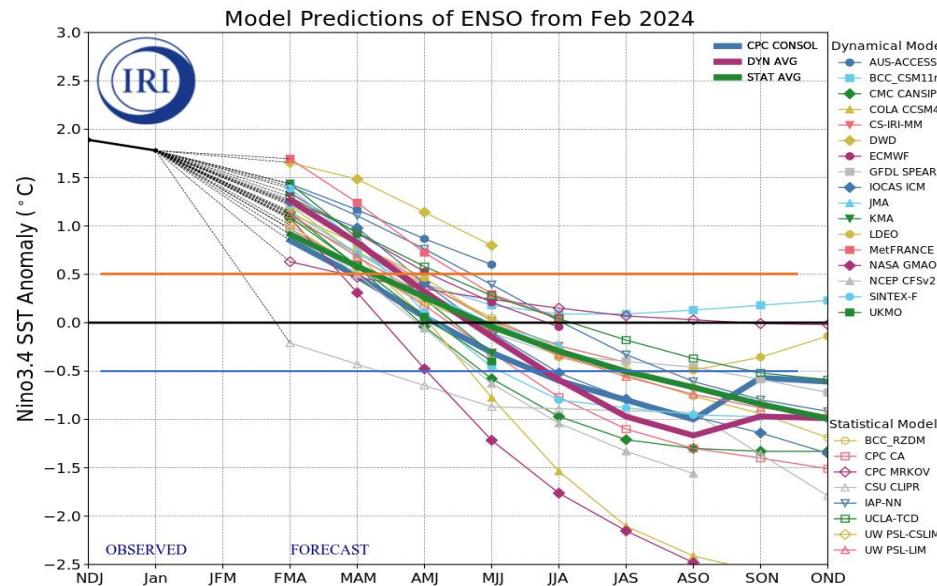
- Table showing the probabilities (%) for the strength of ENSO (El Niño or La Niña) in the coming seasons.
- 72% probability for a moderate El Niño in FMA season, decreasing towards weak strength in MAM season (75%)
- ENSO-neutral expected in AMJ season.

https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/enso_advisory/strengths/



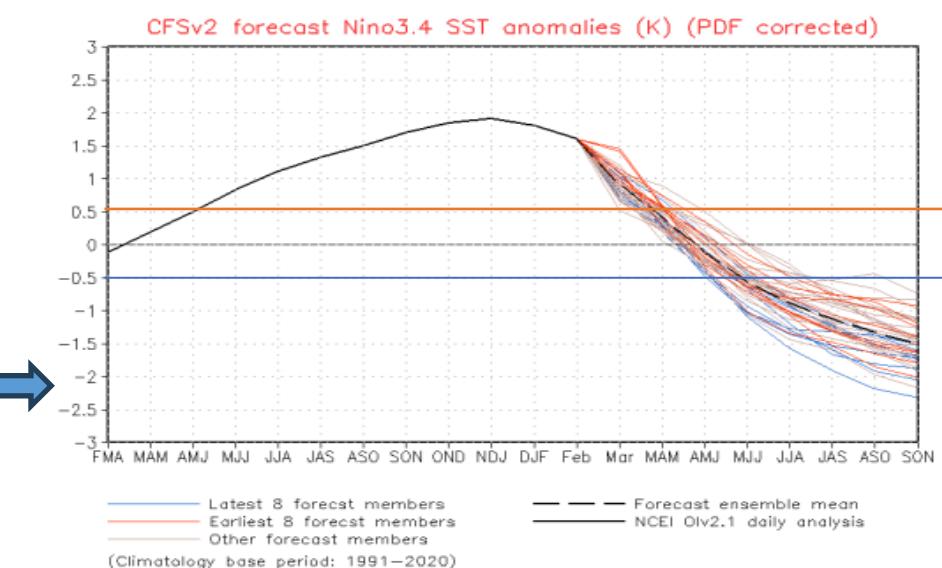
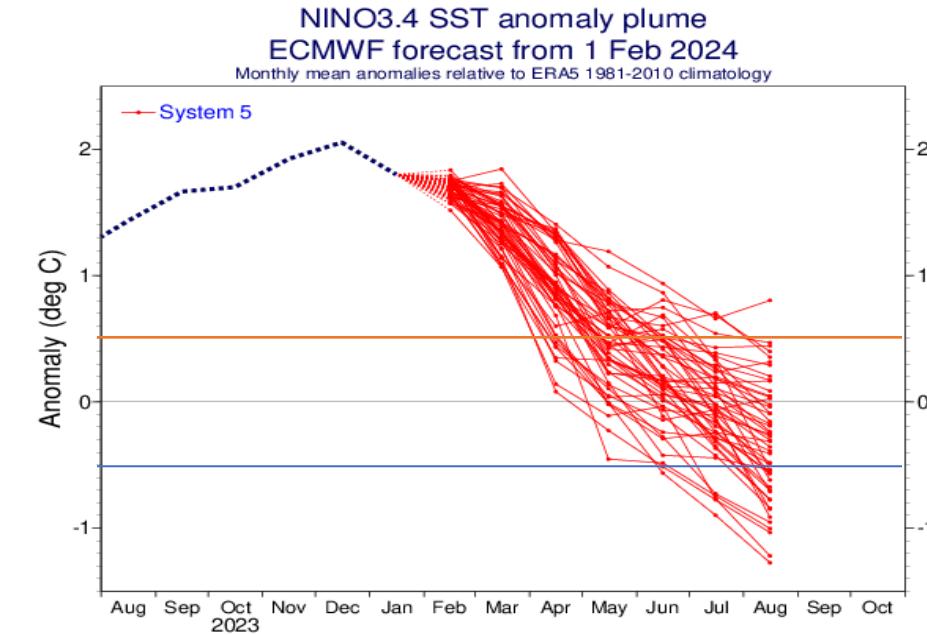
Model output (Purely objective)
ENSO probability forecast

What are the chances?



- The majority of models indicate El Niño will persist through March-May 2024 and then transition to ENSO-neutral during April-June 2024.
- After a brief period of ENSO-neutral conditions, most models indicate a transition to La Niña around June-August 2024.

The CFS.v2 ensemble mean (black dashed line) indicates El Niño may transition to ENSO-neutral in March-May 2024, followed by a transition to La Niña around May-July 2024.



ENSO Alert System Status:

EL NIÑO ADVISORY



- Mature El Niño is expected to continue and show signs of weakening;
- Majority of global climate models suggest that El Niño will likely persist until March-April-May 2024 season with a transition to ENSO-neutral in April-May-June 2024 season.

Updated: 27 February 2024

While stronger El Niño events increase the *likelihood* of El Niño-related climate anomalies, it does not necessarily equate to strong impacts or emerge in all locations.

➤ *El Niño Advisory No. 9/ La Niña Watch will be issued in March 2024*

Weather systems that may affect the country

March – August 2024



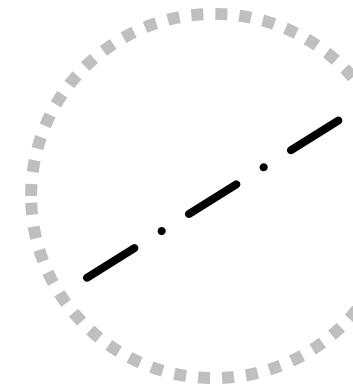
NORTHEAST
MONSOON



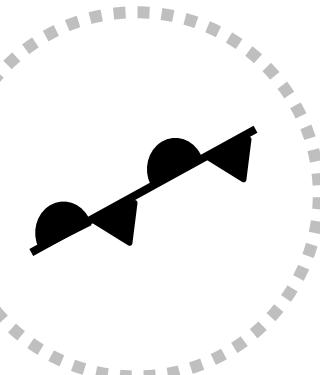
SOUTHWEST
MONSOON



LOCALIZED
THUNDERSTORMS



SHEAR LINE



FRONTAL
SYSTEM



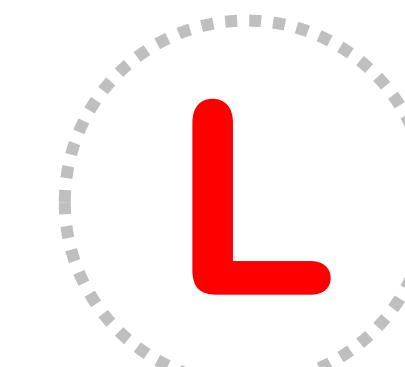
INTERTROPICAL
CONVERGENCE ZONE
(ITCZ)



EASTERLIES



RIDGE OF HIGH
PRESSURE AREA
(HPA)



LOW PRESSURE AREA
(LPA)



TROPICAL CYCLONES
(TCs)

Payong
PAGASA



RAINFALL OUTLOOK

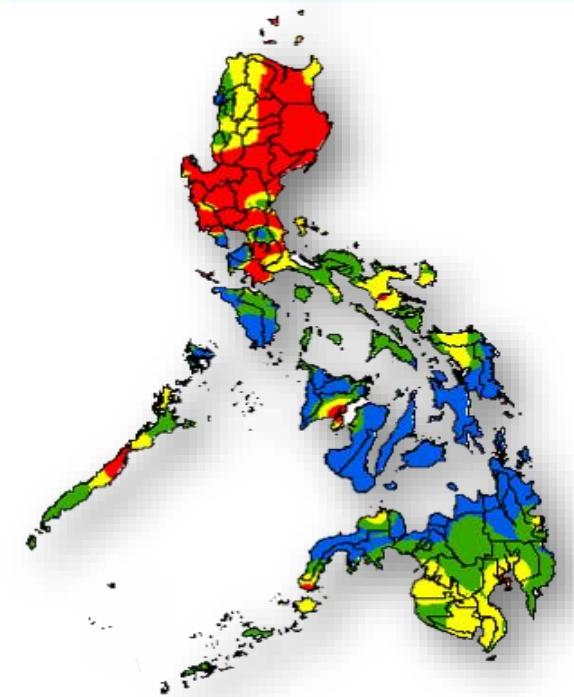
MARCH – AUGUST 2024

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



to



NEAR NORMAL

+20% or -20%
from the
normal

ABOVE NORMAL

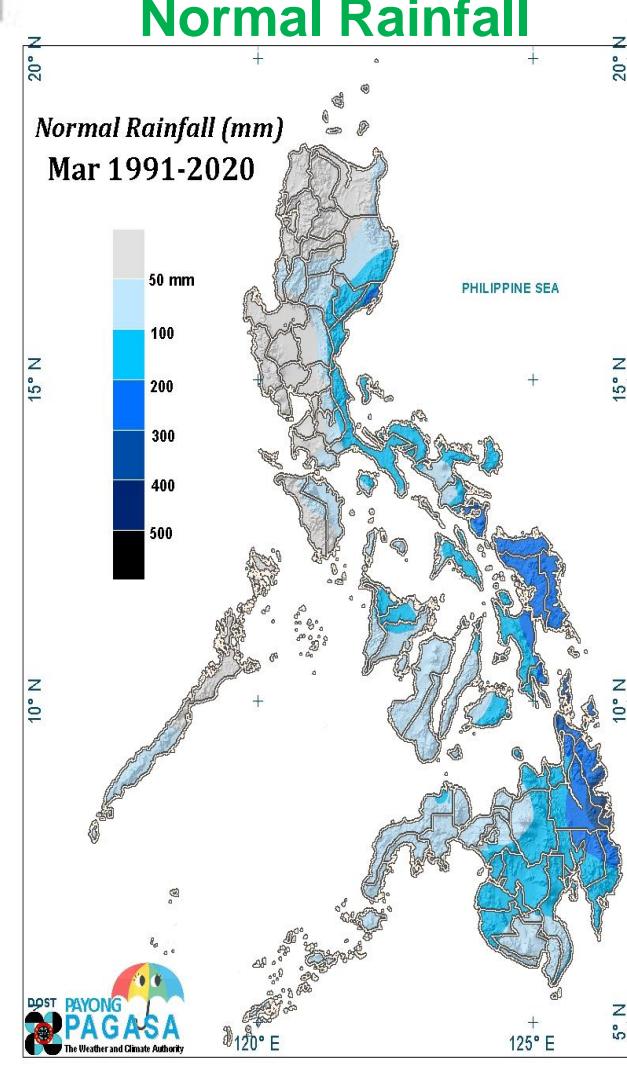
120%
greater
than the
normal

*Normal - Refers to 30-year average rainfall

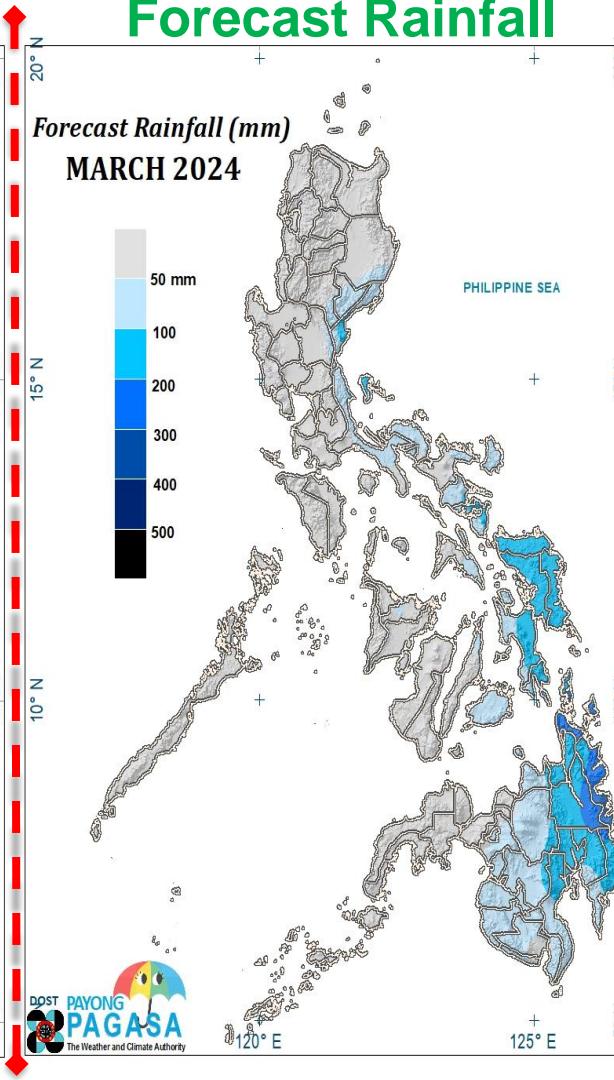
MONTHLY RAINFALL FORECAST

MARCH 2024

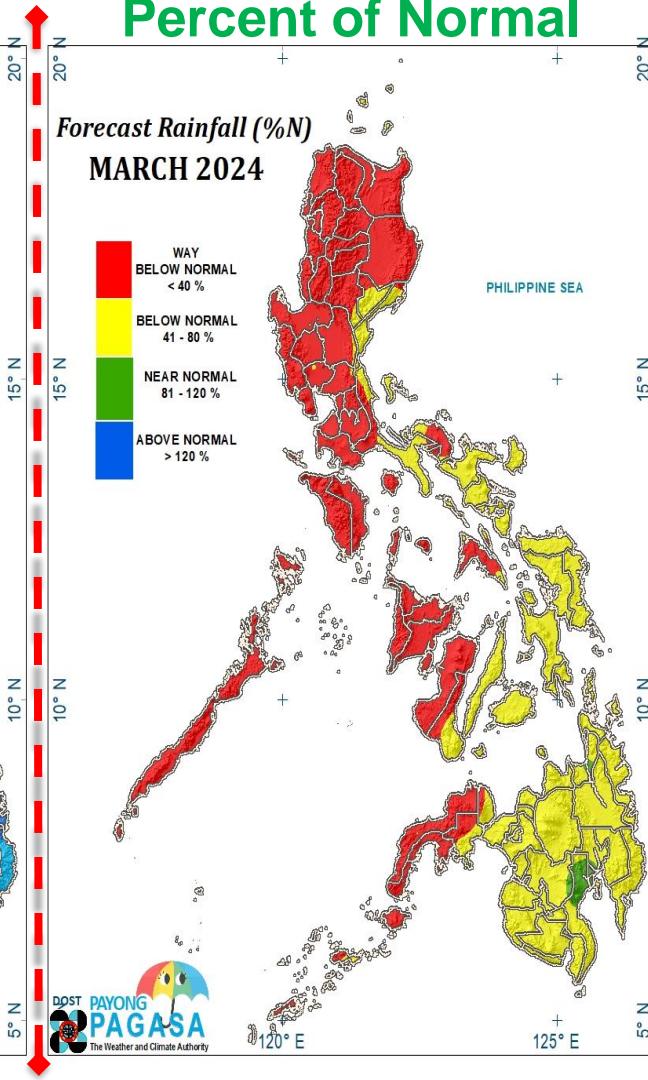
Normal Rainfall



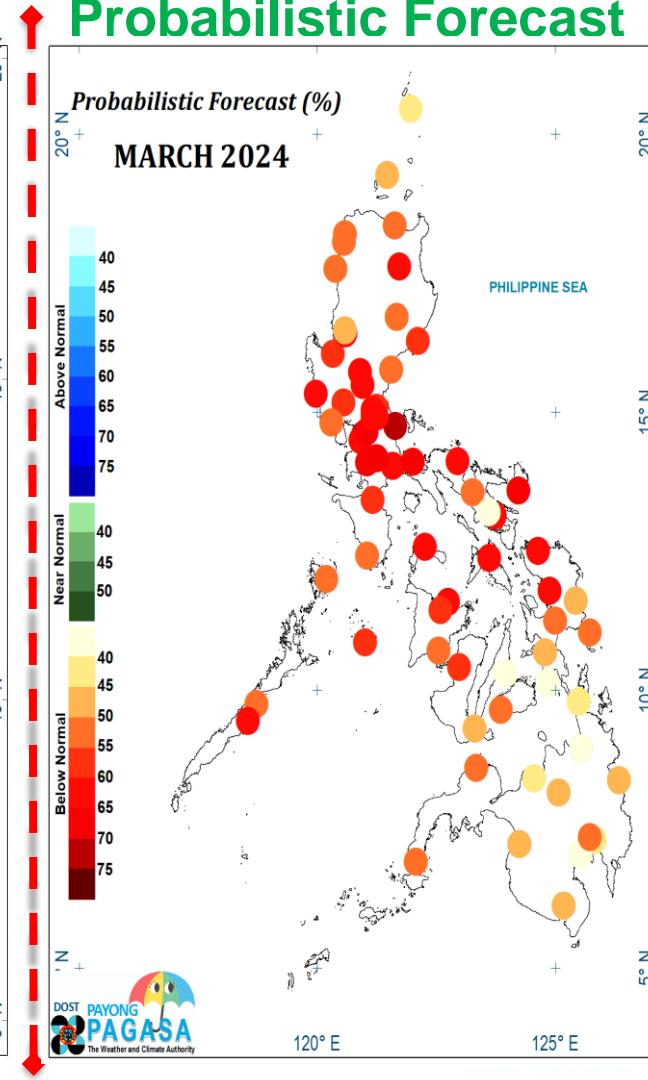
Forecast Rainfall



Percent of Normal



Probabilistic Forecast



way below normal

44

below normal

39

near normal

1

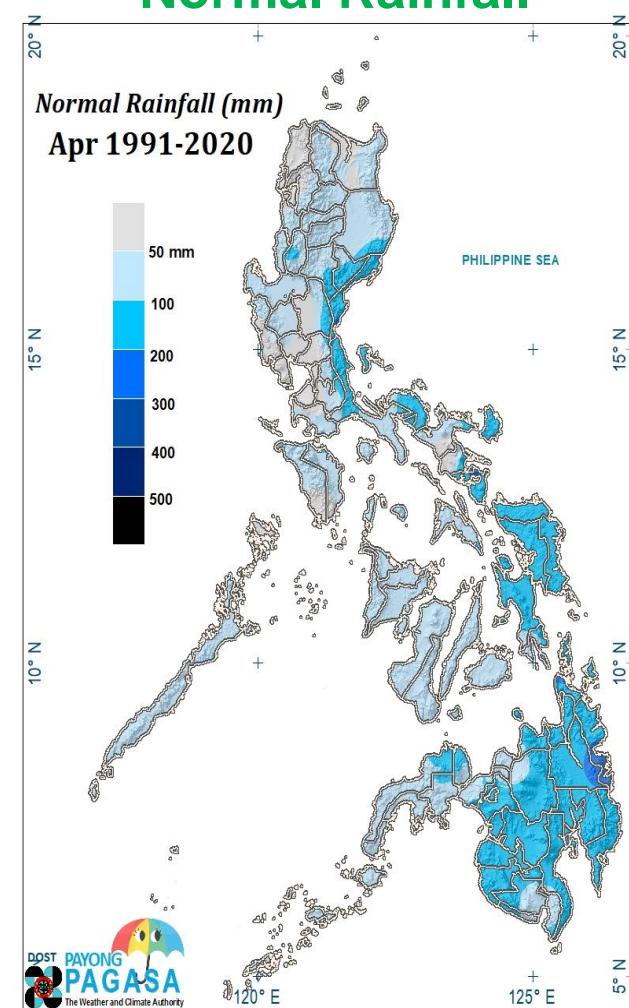
above normal

0

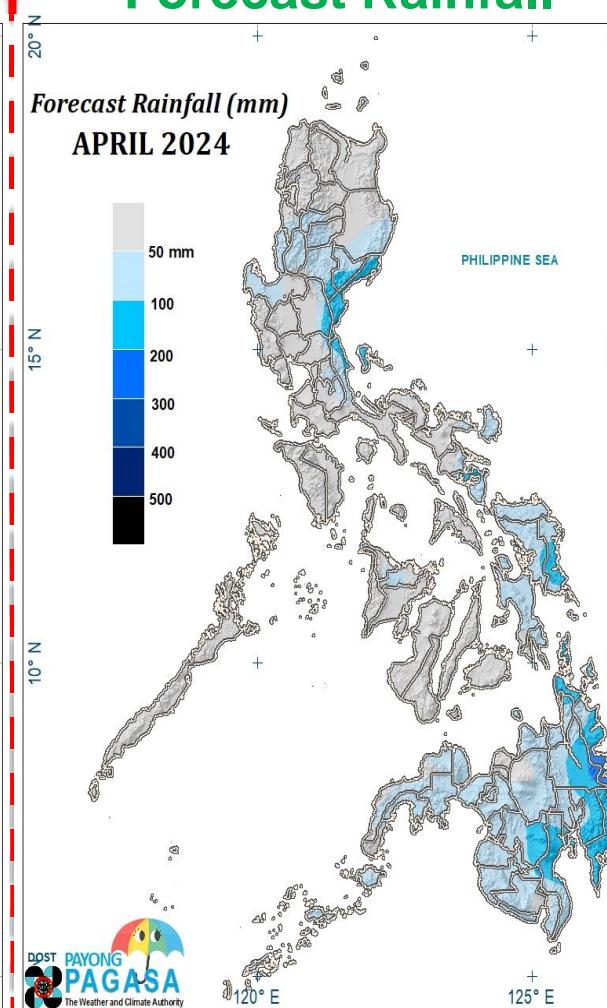
MONTHLY RAINFALL FORECAST

APRIL 2024

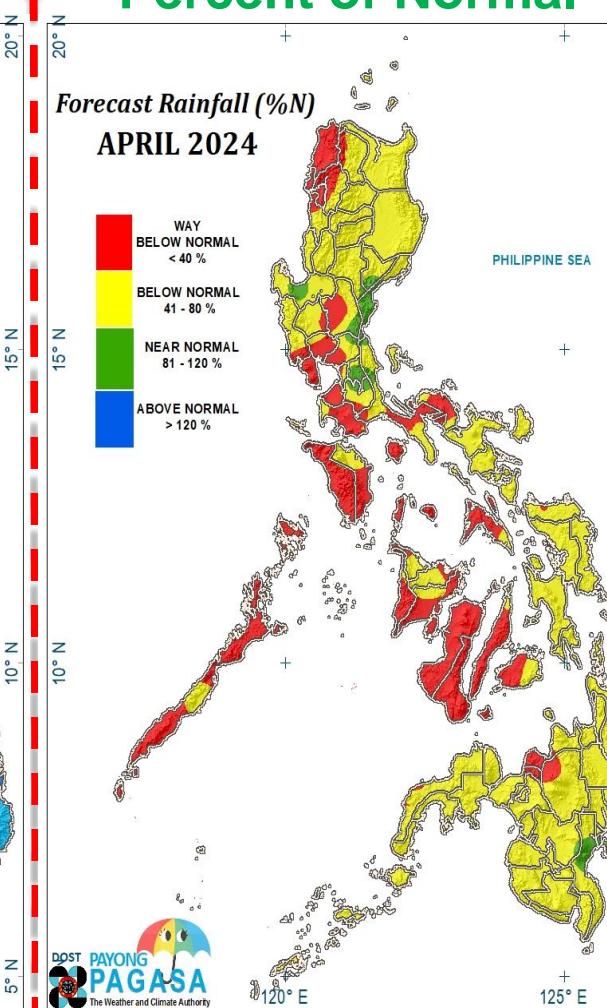
Normal Rainfall



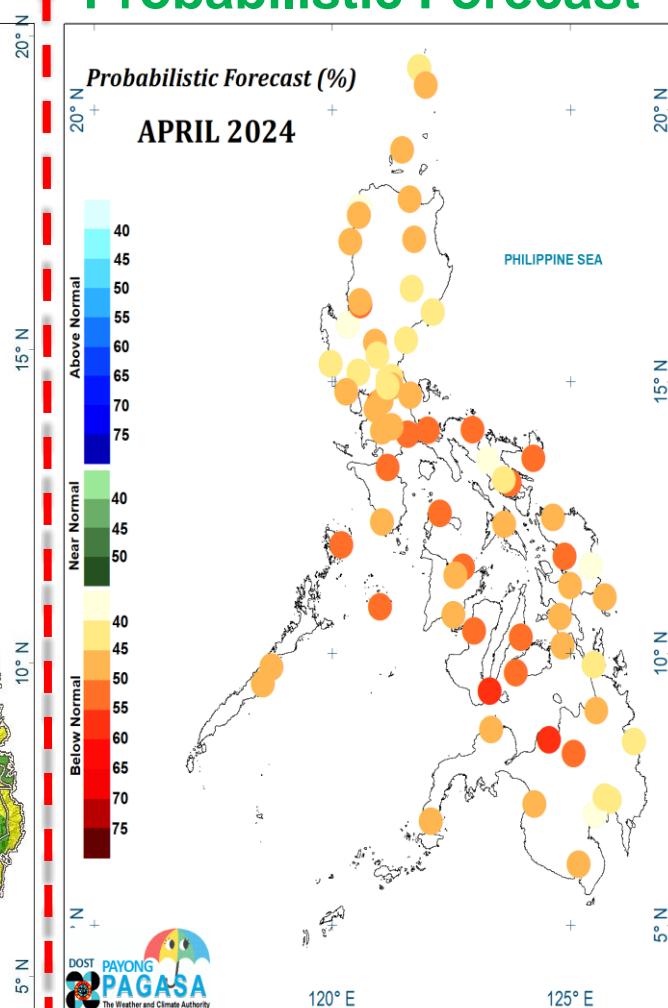
Forecast Rainfall



Percent of Normal



Probabilistic Forecast



way below normal

22

below normal

57

near normal

4

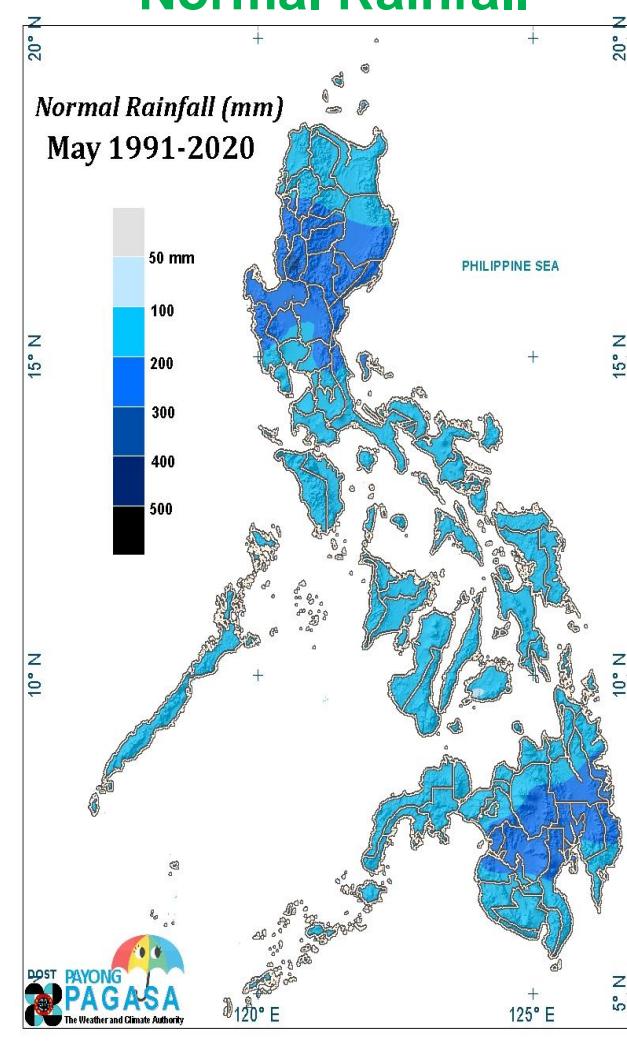
above normal

0

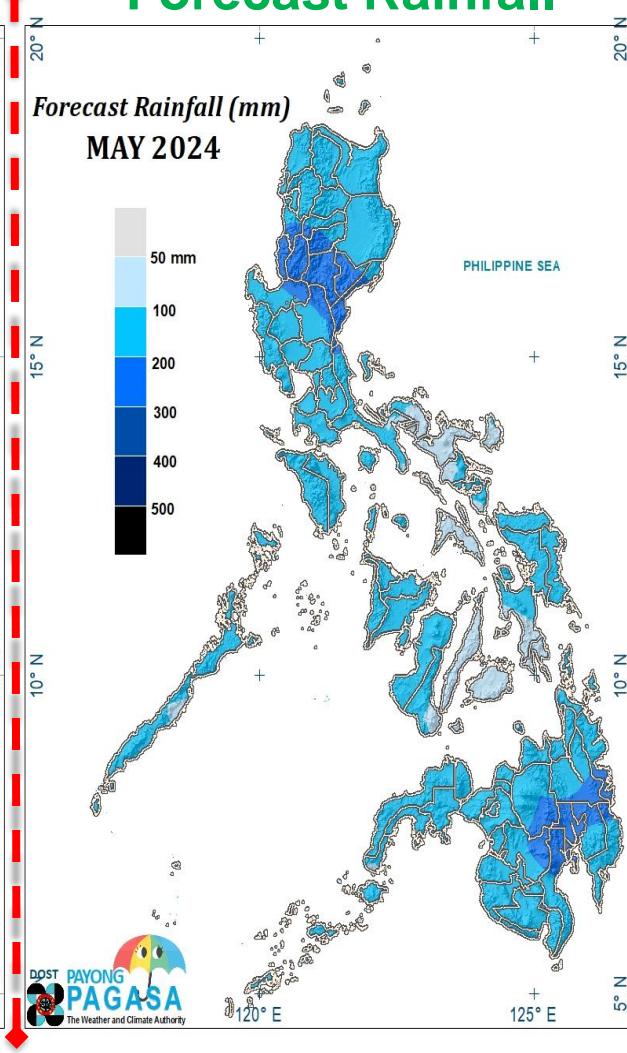
MONTHLY RAINFALL FORECAST

MAY 2024

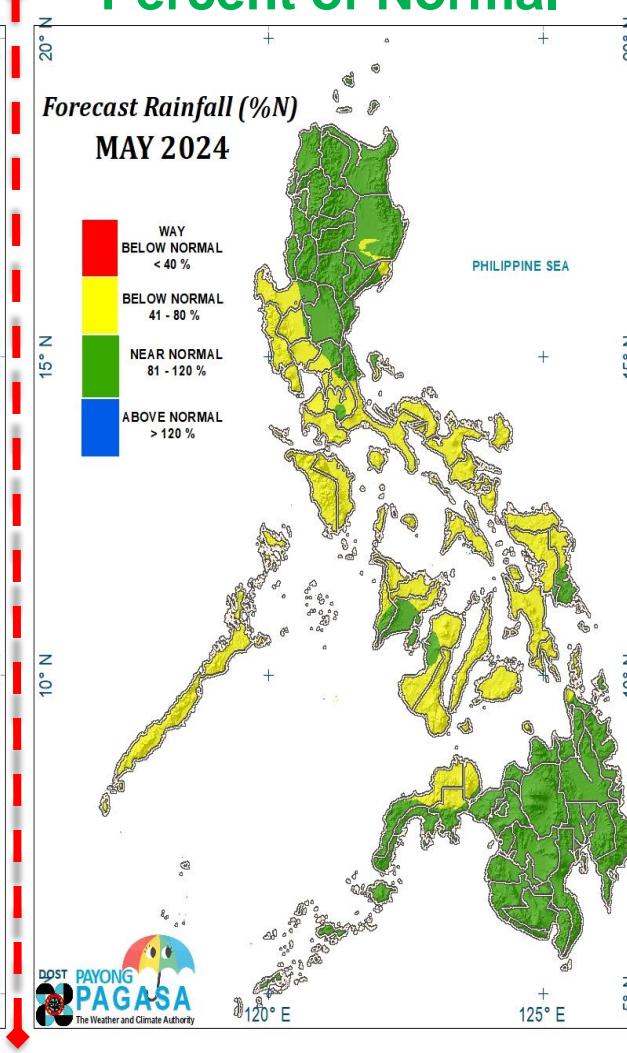
Normal Rainfall



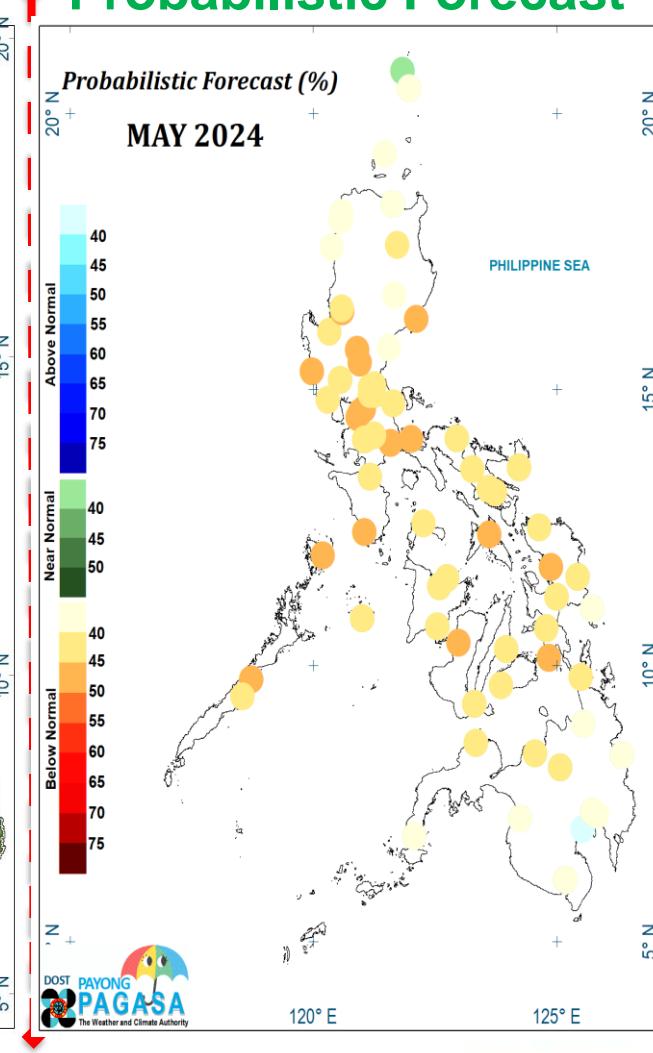
Forecast Rainfall



Percent of Normal



Probabilistic Forecast



way below normal

0

below normal

42

near normal

41

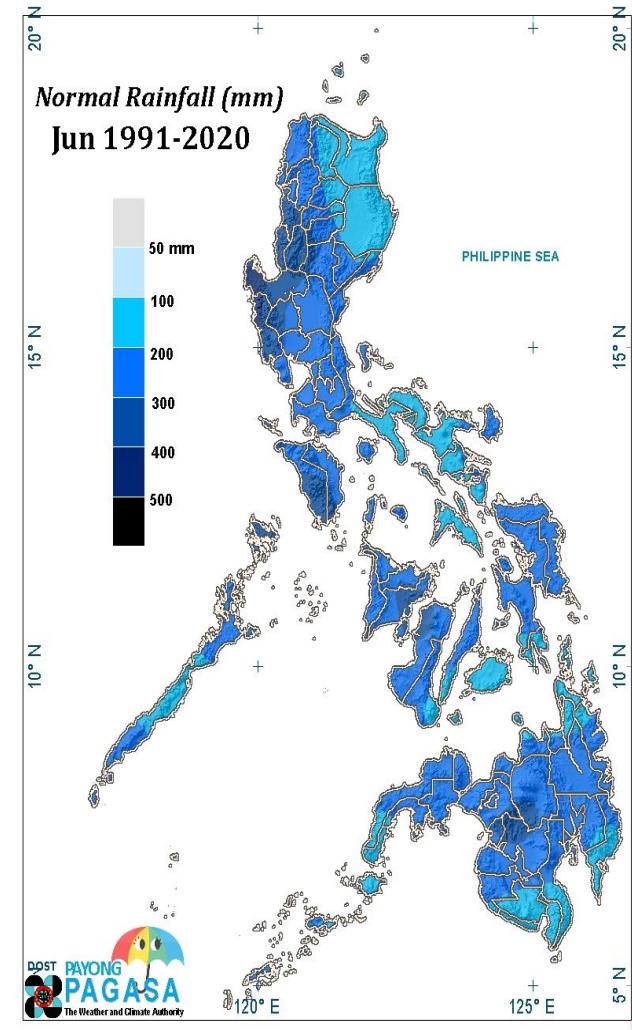
above normal

0

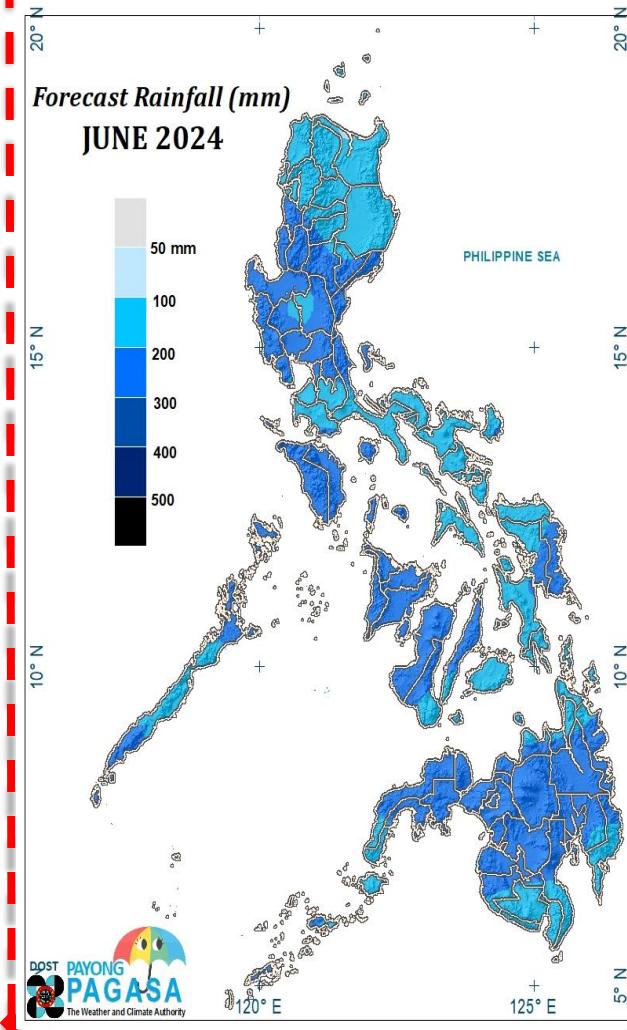
MONTHLY RAINFALL FORECAST

JUNE 2024

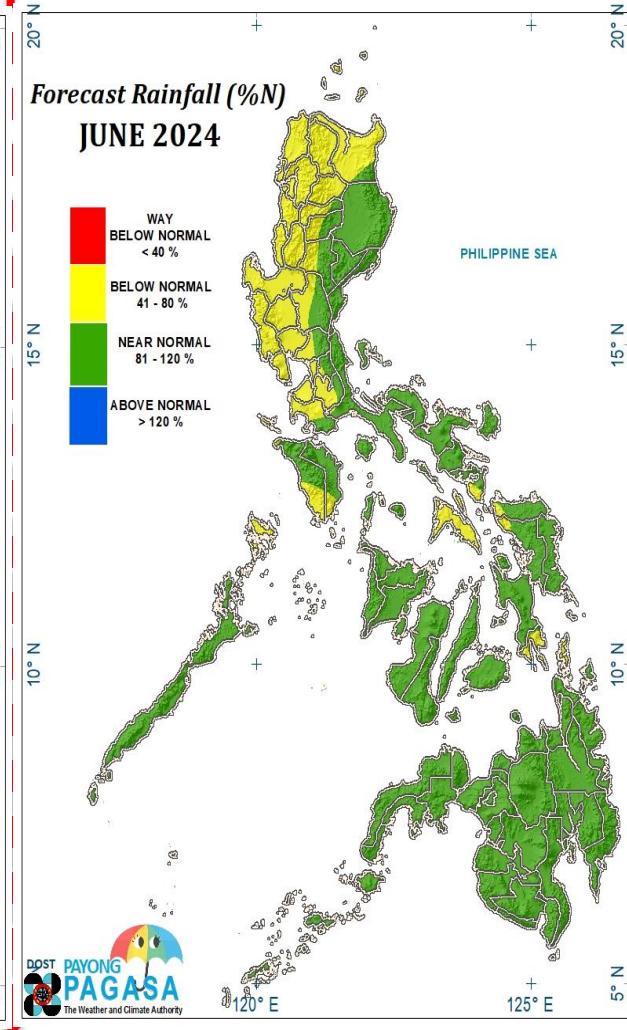
Normal Rainfall



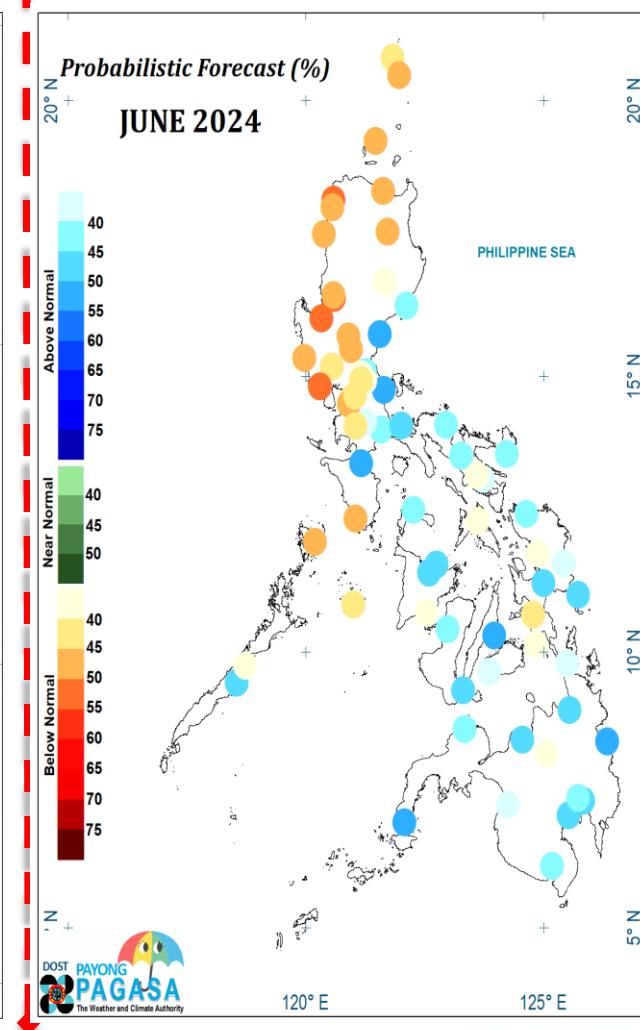
Forecast Rainfall



Percent of Normal



Probabilistic Forecast



way below normal

0

below normal

21

near normal

62

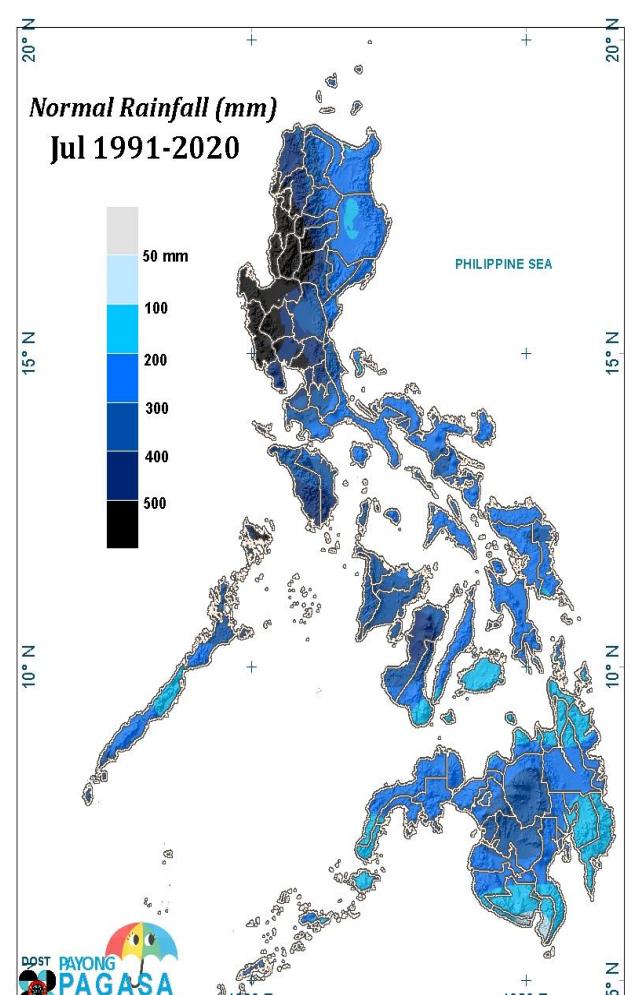
above normal

0

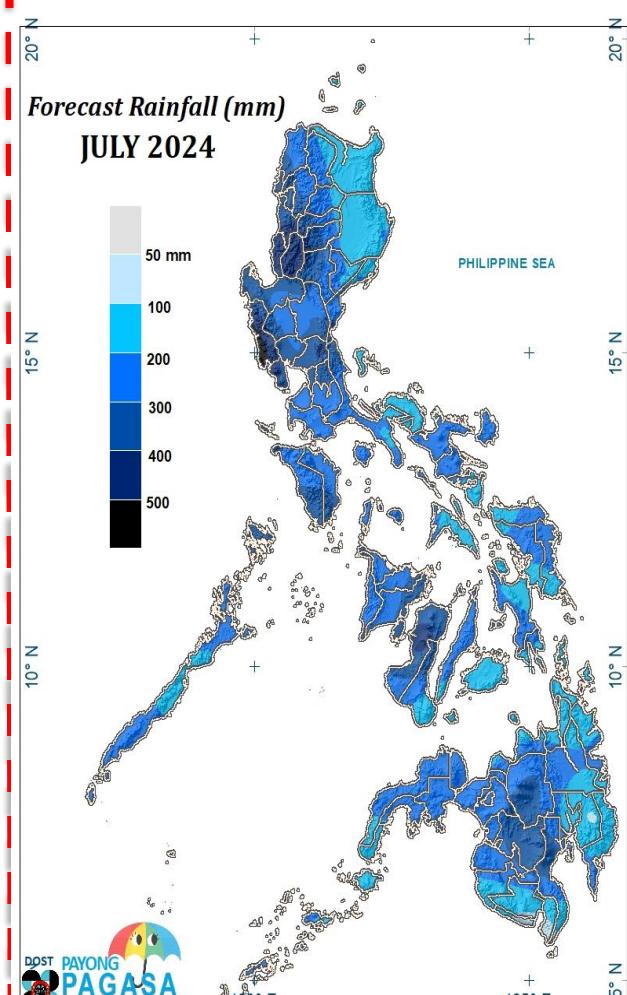
MONTHLY RAINFALL FORECAST

JULY 2024

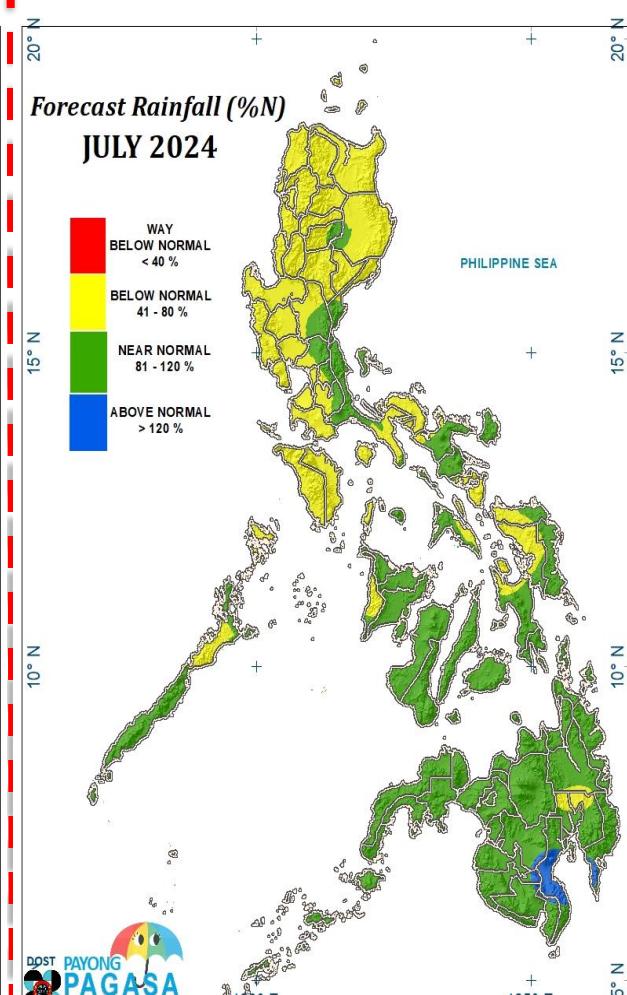
Normal Rainfall



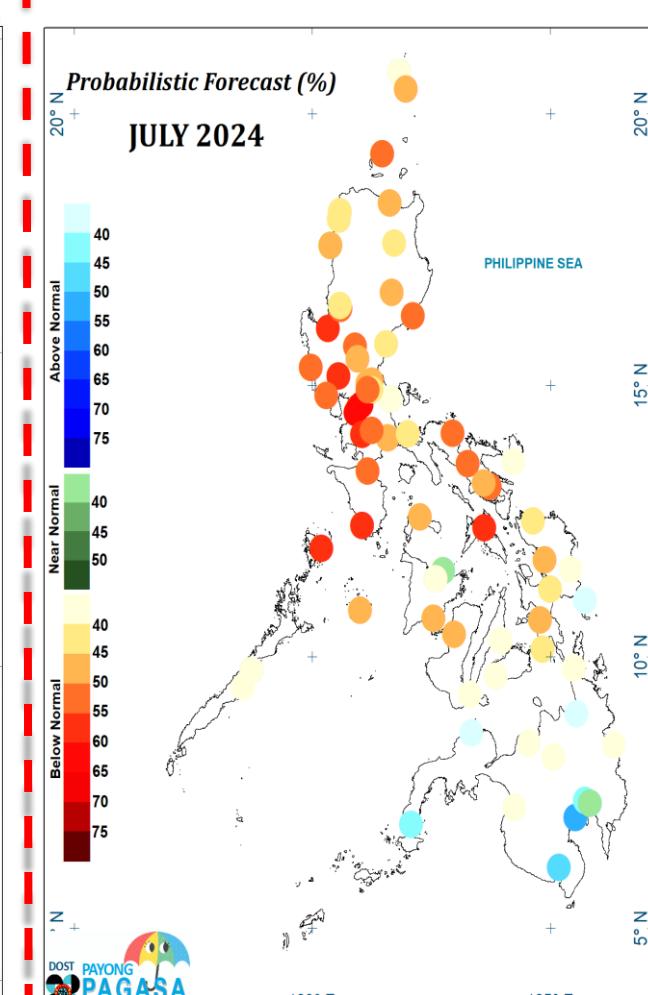
Forecast Rainfall



Percent of Normal



Probabilistic Forecast



way below normal

0

below normal

35

near normal

47

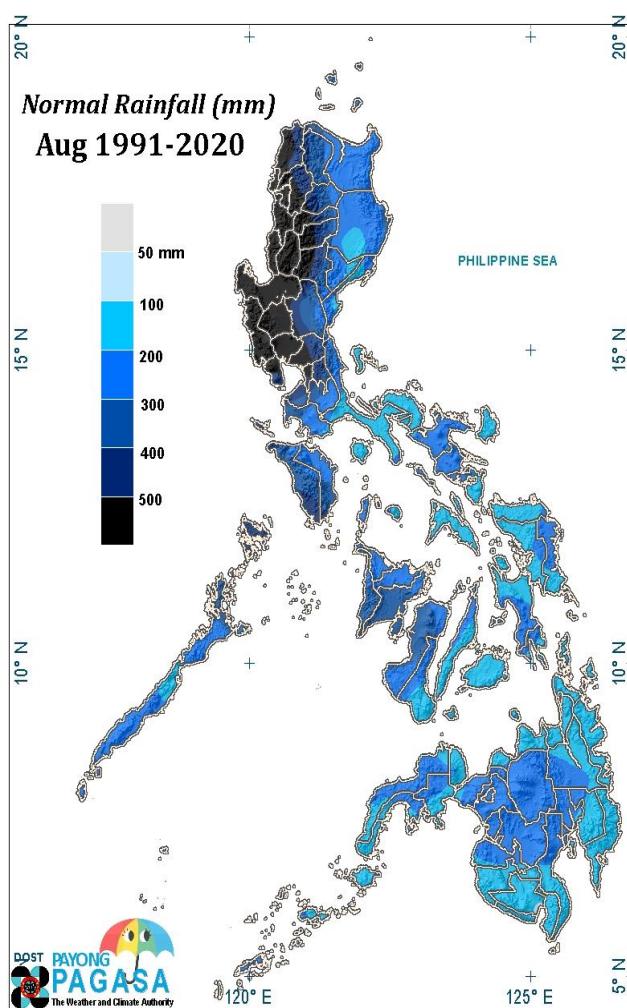
above normal

1

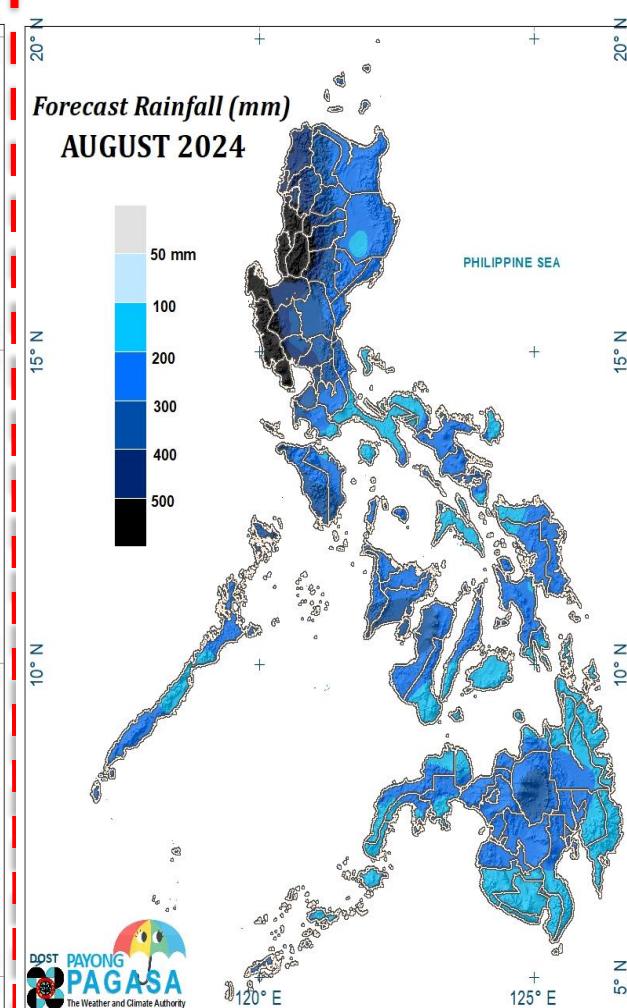
MONTHLY RAINFALL FORECAST

AUGUST 2024

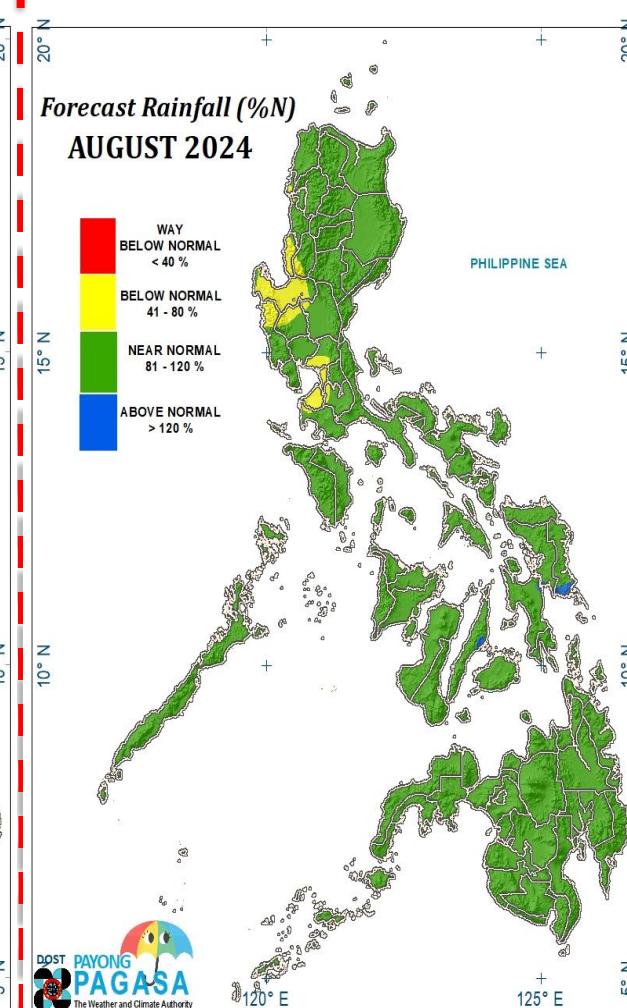
Normal Rainfall



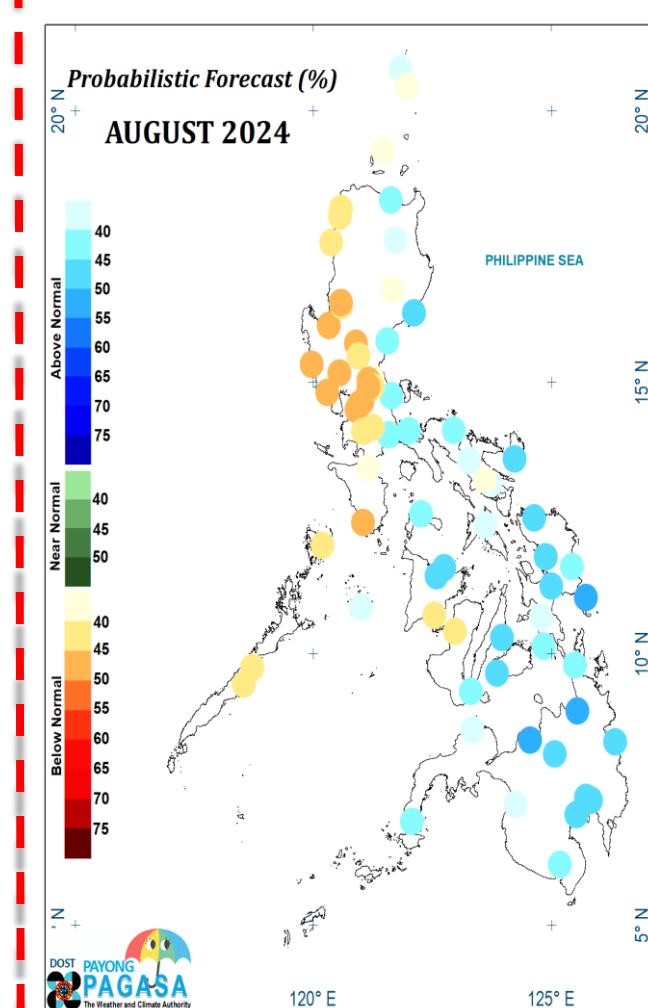
Forecast Rainfall



Percent of Normal



Probabilistic Forecast



way below normal

0

below normal

4

near normal

79

above normal

0

FORECAST RAINFALL in Percent of Normal (March 2024 - August 2024) as of February 22, 2024

PROVINCE	MAR	APR	MAY	JUN	JUL	AUG	PROVINCE	MAR	APR	MAY	JUN	JUL	AUG	PROVINCE	MAR	APR	MAY	JUN	JUL	AUG
CORDILLERA ADMINISTRATIVE REGION (CAR)							REGION IV-B (MIMAROPA)							REGION IX (ZAMBOANGA PENINSULA)						
ABRA	8.0	34.7	83.8	67.6	65.8	85.1	MARINDUQUE	36.9	37.5	68.3	94.6	77.5	99.6	ZAMBOANGA DEL NORTE	34.8	47.5	79.0	103.8	99.6	97.5
BENGUET	21.5	63.3	84.2	69.4	67.0	81.5	OCCIDENTAL MINDORO	16.3	26.4	69.2	80.7	71.5	87.1	ZAMBOANGA DEL SUR	38.8	53.8	82.5	104.9	100.0	99.2
IFUGAO	24.0	59.0	82.6	80.6	78.1	90.8	ORIENTAL MINDORO	22.9	33.1	71.4	86.8	73.1	89.8	ZAMBOANGA SIBUGAY	39.0	50.2	82.8	105.0	100.9	99.4
KALINGA	12.9	50.3	83.5	75.4	74.8	91.9	ROMBLON	33.1	30.8	65.2	92.4	82.8	101.9	REGION X (NORTHERN MINDANAO)						
APAYAO	18.5	45.7	88.4	66.6	68.9	89.2	PALAWAN	9.9	29.8	75.1	92.6	87.1	88.9	BUKIDNON	67.3	49.8	92.1	94.1	91.3	111.3
MOUNTAIN PROVINCE	18.3	54.3	82.9	76.6	74.9	89.2	SPRATLY ISLANDS	8.5	27.9	71.6	80.1	77.8	85.7	CAMIGUIN	65.9	51.1	79.6	93.9	100.3	110.0
REGION I							REGION V (BICOL)							LANAO DEL NORTE	53.2	50.1	84.6	98.5	92.8	108.4
ILOCOS NORTE	9.2	15.7	88.1	60.5	64.0	88.1	ALBAY	62.0	55.9	59.7	85.9	84.6	99.8	MISAMIS OCCIDENTAL	41.5	50.5	77.9	101.9	96.8	101.3
ILOCOS SUR	12.0	40.9	82.9	68.9	62.1	81.2	CAMARINES NORTE	38.9	34.4	61.9	95.1	70.9	110.0	MISAMIS ORIENTAL	69.7	44.2	87.2	97.2	100.8	116.9
LA UNION	19.9	73.3	82.4	66.1	62.3	78.7	CAMARINES SUR	45.7	56.9	60.4	91.7	80.6	104.3	REGION XI (DAVAO REGION)						
PANGASINAN	11.2	67.5	77.3	65.3	61.7	77.6	CATANDUANES	42.2	48.0	60.0	92.0	92.7	107.3	DAVAO DE ORO	65.5	81.8	95.3	98.2	88.8	106.4
REGION II							MASBATE	38.7	34.6	62.0	74.5	83.9	104.3	DAVAO CITY	84.6	76.3	95.8	96.3	107.8	104.7
BATANES	73.1	47.7	84.8	83.1	65.6	99.9	SORSOGON	46.7	51.3	61.7	81.1	73.8	101.7	DAVAO DEL NORTE	75.4	64.9	96.4	96.6	88.3	103.9
CAGAYAN	26.6	48.9	88.2	75.4	70.6	91.9	REGION VI (WESTERN VISAYAS)							DAVAO DEL SUR	77.8	81.1	93.1	96.2	128.8	107.0
ISABELA	26.3	58.1	81.4	91.4	75.3	101.1	AKLAN	28.4	46.1	73.8	92.2	85.7	102.0	DAVAO OCCIDENTAL	67.1	69.9	91.8	95.3	118.0	106.8
NUEVA VIZCAYA	31.2	62.7	85.0	81.9	74.9	91.9	ANTIQUE	26.1	30.3	77.9	87.5	80.0	93.0	DAVAO ORIENTAL	64.5	76.9	93.2	97.6	102.7	107.9
QUIRINO	43.1	74.3	83.8	97.3	75.8	104.6	CAPIZ	29.7	48.9	75.3	91.1	94.7	103.7	REGION XII (SOCCSKSARGEN)						
REGION III (CENTRAL LUZON)							GUIMARAS	28.7	23.9	83.5	89.9	86.8	85.3	SOUTH COTABATO	63.7	66.0	90.5	94.4	108.6	105.5
BATAAN	8.6	5.2	67.1	60.6	58.2	83.8	ILOILO	30.3	34.2	79.2	89.3	88.9	94.4	COTABATO	68.5	66.7	91.3	94.2	102.2	104.7
BULACAN	24.5	47.1	81.4	81.1	82.5	85.2	NEGROS OCCIDENTAL	30.9	35.8	77.9	95.9	92.5	97.1	SARANGANI	63.7	67.9	90.8	94.5	108.7	106.0
NUEVA ECUJA	24.7	52.0	86.6	80.8	79.8	90.8	REGION VII (CENTRAL VISAYAS)							SULTAN KUDARAT	60.1	63.8	89.3	95.1	101.5	104.3
PAMPANGA	28.5	28.1	76.1	70.6	69.6	83.0	NEGROS ORIENTAL	40.6	32.9	75.0	96.4	90.6	98.1	REGION XIII- CARAGA						
TARLAC	20.1	53.2	77.0	67.5	66.0	80.6	BOHOL	58.1	38.3	69.0	93.7	95.4	109.2	AGUSAN DEL NORTE	77.6	64.3	85.7	97.6	102.6	111.5
ZAMBALES	10.0	55.6	70.0	60.5	63.5	81.8	CEBU	50.4	35.2	68.7	98.7	91.7	112.9	AGUSAN DEL SUR	74.2	67.2	91.6	100.2	91.5	106.7
AURORA	49.9	84.5	86.2	100.6	78.2	109.3	SIQUIJOR	50.2	32.9	73.0	97.4	92.7	101.0	DINAGAT ISLANDS	65.2	64.8	78.4	78.7	83.9	103.2
NATIONAL CAPITAL REGION							REGION VIII (EASTERN VISAYAS)							SURIGAO DEL NORTE	73.0	68.1	81.5	87.4	89.1	101.1
METRO MANILA	10.3	46.4	71.7	73.5	68.5	77.7	BILIRAN	48.1	46.6	68.0	81.2	75.9	110.9	SURIGAO DEL SUR	76.2	71.3	89.3	100.6	95.2	103.2
REGION IV-A (CALABARZON)							EASTERN SAMAR	47.5	64.2	78.6	92.6	85.3	108.9	BARMM						
BATANGAS	15.5	31.6	76.6	77.1	68.6	84.1	LEYTE	53.8	49.8	70.7	86.3	82.6	107.6	BASILAN	37.0	56.4	89.5	110.0	107.5	96.8
CAVITE	6.4	30.6	69.2	66.6	58.1	77.5	NORTHERN SAMAR	46.0	44.8	66.8	83.9	78.6	95.4	MAGUINDANAO	55.9	65.3	88.2	94.3	93.1	103.9
LAGUNA	19.3	66.6	78.0	78.3	77.4	87.6	SAMAR (WESTERN SAMAR)	47.8	53.6	72.8	87.0	78.0	106.9	LANAO DEL SUR	57.3	56.1	87.6	95.1	89.5	109.2
RIZAL	20.2	92.9	79.3	83.3	81.3	85.5	SOUTHERN LEYTE	57.7	51.0	69.2	78.6	86.8	96.0	SULU	39.6	50.4	86.0	101.2	98.9	99.8
QUEZON	41.1	49.1	72.6	92.7	82.6	102.6							TAWI-TAWI	36.9	46.6	83.4	97.7	98.1	99.9	

FORECAST RAINFALL in Millimeter (March - August 2024) as of Feb. 22, 2024

PROVINCE	MARCH			APRIL			MAY			JUNE			JULY			AUGUST		
	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN	MIN	MAX	MEAN
CORDILLERA ADMINISTRATIVE REGION																		
ABRA	0.7	10.2	4.1	3.3	49.9	26.8	145.8	193.1	160.9	129.9	205.4	164.7	246.6	376.0	302.8	342.1	538.4	437.7
BENGUET	5.5	22.1	15.9	39.5	79.4	64.6	215.9	279.0	248.9	216.7	253.8	236.3	372.1	498.4	452.4	523.9	770.3	641.6
IFUGAO	11.7	24.8	17.0	44.7	65.9	53.6	170.7	239.2	201.8	137.4	228.1	181.4	181.1	442.8	307.7	234.3	576.0	394.5
KALINGA	3.6	10.1	6.4	23.7	50.9	42.3	139.5	181.6	158.2	112.4	178.1	134.6	159.2	327.1	227.3	221.8	462.7	319.8
APAYAO	3.6	17.4	8.2	19.9	48.1	33.7	130.5	150.7	140.7	100.7	136.1	117.2	151.5	271.9	211.9	237.7	395.8	318.9
MOUNTAIN PROVINCE	7.9	16.9	11.5	38.6	66.2	51.4	158.1	222.8	186.9	124.7	218.2	170.1	177.6	429.1	299.7	250.0	570.1	410.5
REGION I																		
ILOCOS NORTE	0.3	17.5	5.0	2.4	29.3	10.5	144.0	154.5	149.2	121.9	172.4	143.2	208.9	307.0	278.0	369.6	515.8	439.9
ILOCOS SUR	0.1	19.0	8.7	1.5	79.2	37.0	149.3	250.5	190.3	163.5	247.1	208.6	296.3	497.3	379.8	443.1	702.0	548.9
LA UNION	5.1	19.8	13.8	51.7	80.2	71.1	215.5	260.0	238.6	237.2	257.9	249.2	370.6	494.0	449.6	560.4	733.2	669.8
PANGASINAN	0.7	18.7	5.5	12.6	64.9	48.8	171.7	238.1	195.5	194.8	262.6	231.3	266.0	439.9	333.8	357.3	628.1	504.1
REGION II																		
BATANES	42.0	45.4	44.6	20.7	36.7	26.2	177.3	182.3	179.8	150.4	174.1	160.8	152.1	205.4	167.3	329.2	370.2	347.5
CAGAYAN	2.0	49.7	15.1	19.7	48.7	30.4	126.6	172.0	137.0	98.1	143.9	110.3	131.6	223.9	155.1	194.0	382.3	239.8
ISABELA	4.6	73.1	30.2	22.9	93.6	51.1	138.8	202.7	167.1	112.7	206.8	151.5	147.5	268.4	172.1	179.3	330.6	230.2
NUEVA VIZCAYA	12.4	98.5	37.6	36.7	157.4	70.2	200.1	249.9	228.4	177.2	229.9	210.0	230.2	443.3	324.4	233.2	582.2	394.5
QUIRINO	27.1	100.5	67.0	50.5	158.1	93.5	183.1	236.5	214.1	175.1	226.4	205.5	172.0	280.3	213.2	206.6	324.5	242.9
REGION III																		
BATAAN	0.6	4.3	1.6	0.1	11.9	0.9	127.3	171.9	153.5	184.4	237.3	214.8	324.1	524.4	410.2	490.1	763.1	618.8
BULACAN	0.1	54.0	13.1	11.2	152.0	27.3	137.8	202.6	170.4	211.9	260.7	234.1	309.3	407.5	379.0	330.2	511.2	397.3
NUEVA ECija	8.9	76.8	25.0	25.6	188.5	52.8	161.6	227.8	193.8	189.0	254.5	210.9	255.9	387.0	296.4	260.9	442.5	337.1
PAMPANGA	1.0	10.7	6.5	4.5	37.7	8.6	148.0	170.8	161.4	207.0	231.7	216.5	274.7	412.2	333.2	354.8	582.3	432.5
TARLAC	0.5	8.8	3.8	6.3	52.6	33.8	161.5	192.9	167.9	189.0	244.7	210.6	238.2	445.3	300.6	353.8	656.6	449.9
ZAMBALES	0.2	5.9	2.4	3.2	59.4	29.3	160.9	183.3	169.1	222.6	265.4	245.4	331.8	613.2	464.7	526.8	787.5	671.1
AURORA	46.7	132.7	92.8	89.8	206.2	144.7	181.8	247.3	213.1	199.2	263.5	231.6	178.2	393.5	238.5	201.5	353.3	241.4
NATIONAL CAPITAL REGION																		
METRO MANILA	0.6	9.2	3.9	1.9	36.5	17.6	111.9	155.8	133.6	170.6	229.9	203.7	243.2	370.0	311.6	318.4	444.9	395.1
REGION IV-A																		
BATANGAS	1.4	28.0	10.6	7.1	46.8	24.8	110.8	138.0	125.5	164.0	228.1	187.1	192.7	340.0	228.6	176.5	463.2	261.8
CAVITE	0.7	4.2	1.8	0.3	21.7	11.5	108.7	129.3	115.9	161.3	189.4	172.4	216.7	320.6	247.6	283.1	460.3	357.9
LAGUNA	1.5	61.3	23.3	8.2	87.6	42.3	112.1	149.2	126.0	163.9	219.4	178.2	221.3	306.1	252.5	190.5	371.8	247.9
RIZAL	6.0	57.3	25.6	18.3	83.8	50.7	122.8	183.1	151.6	172.4	253.5	220.5	258.3	386.6	328.2	243.7	419.1	344.5
QUEZON	12.9	132.7	59.6	18.2	189.6	58.7	90.9	208.1	127.6	152.0	274.6	197.7	111.2	391.8	227.5	146.3	365.8	198.3
REGION IV-B																		
MARINDUQUE	32.2	45.7	38.8	33.9	42.1	35.3	104.6	115.9	111.0	193.2	236.4	214.3	195.0	226.2	214.8	167.5	197.7	180.2
OCCIDENTAL MINDORO	1.3	19.1	10.4	2.3	41.3	20.4	105.0	149.8	124.1	207.8	258.0	240.2	203.4	437.3	299.3	236.4	512.5	327.0
ORIENTAL MINDORO	7.3	26.3	17.5	5.6	48.2	30.1	109.2	144.4	124.8	209.9	258.0	243.6	194.4	378.3	266.9	174.6	386.9	264.8
ROMBLON	23.7	33.6	28.9	19.6	33.8	23.2	100.7	117.6	106.9	210.2	254.7	234.8	230.4	306.0	264.0	206.9	281.8	240.1
PALAWAN	1.1	15.2	6.7	1.2	33.9	20.6	97.2	136.7	111.4	154.9	261.0	202.7	148.2	373.1	245.0	139.3	410.0	247.3
SPRATLY ISLANDS	3.1	3.6	3.6	14.9	15.4	15.3	125.0	125.5	125.3	219.4	220.3	220.2	322.2	330.1	323.5	371.2	381.3	372.9
REGION V																		
ALBAY	42.7	115.6	73.7	13.9	127.1	45.1	97.2	111.2	101.7	154.8	195.6	169.5	183.4	272.7	249.6	206.3	251.3	237.3
CAMARINES NORTE	48.0	71.1	64.7	26.0	47.5	37.7	92.7	107.6	99.3	166.7	187.4	174.9	138.6	191.3	163.6	151.8	207.5	180.2
CAMARINES SUR	27.8	68.9	47.5	1.9	59.5	40.0	94.8	99.9	97.9	163.8	193.4	170.9	164.3	270.5	222.1	174.0	240.2	215.0
CATANDUANES	67.3	79.7	72.6	54.0	73.8	61.6	97.0	100.8	98.7	191.8	202.2	198.1	214.1	234.2	227.5	191.8	208.9	197.5
MASBATE	21.2	76.1	48.7	8.0	53.4	28.0	86.4	105.1	94.2	126.7	231.5	140.4	146.5	276.1	192.0	175.1	226.9	191.2
SORSOGON	65.9	107.8	96.8	29.3	127.3	87.2	97.6	107.6	102.3	144.4	188.8	162.4	136.7	251.4	175.5	191.6	236.6	210.2

FORECAST RAINFALL in Millimeter (March - August 2024) as of Feb. 22, 2024

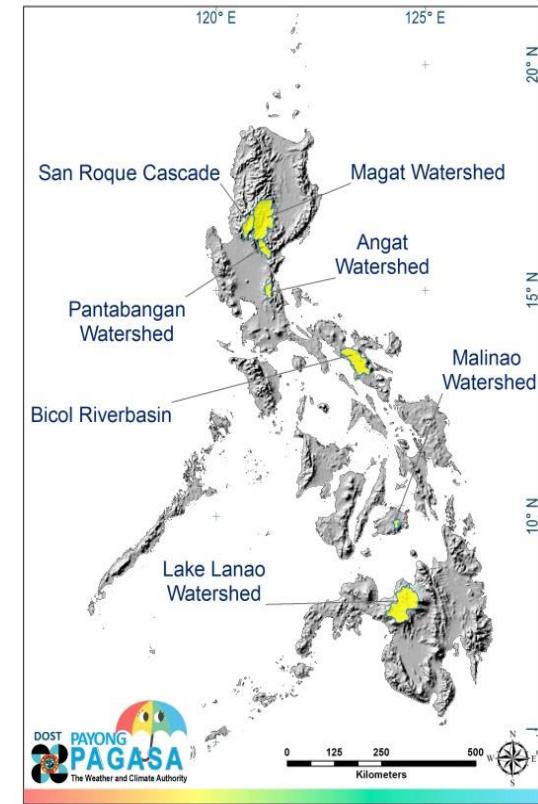
PROVINCE	MARCH			APRIL			MAY			JUNE			JULY			AUGUST			
	REGION VI	MIN	MAX	MEAN	MIN	MAX	MEAN												
AKLAN		23.9	50.0	36.2	22.3	58.4	40.9	118.5	138.8	129.8	250.8	275.6	271.2	259.7	313.7	284.6	237.7	292.5	258.5
ANTIQUE		10.2	36.6	26.2	13.4	42.8	23.2	114.0	140.3	134.8	213.4	272.6	249.2	237.8	375.0	259.7	260.1	377.6	296.9
CAPIZ		12.3	59.0	38.3	5.9	63.3	43.0	106.8	143.7	132.1	238.0	279.8	270.4	249.6	316.1	287.2	230.6	285.8	259.1
GUIMARAS		15.6	19.3	16.6	12.4	24.5	16.5	142.8	150.6	145.4	257.4	283.7	272.1	307.2	373.2	334.9	328.2	343.1	338.6
ILOILO		16.3	45.1	28.4	11.4	57.7	27.4	105.0	143.5	136.2	200.9	286.4	265.4	240.1	342.3	287.4	214.9	339.4	299.0
NEGROS OCCIDENTAL		13.4	39.4	24.0	25.4	37.9	31.5	110.6	161.8	132.5	211.6	299.8	267.2	233.9	417.3	355.2	210.5	344.8	286.9
REGION VII																			
NEGROS ORIENTAL		19.1	36.7	30.1	12.5	37.7	25.4	81.8	145.9	108.6	172.9	289.6	213.8	137.5	411.9	239.6	104.5	316.4	192.5
BOHOL		44.1	83.1	60.7	18.5	47.8	33.8	69.2	80.1	72.0	132.7	180.4	147.1	124.9	198.2	151.1	121.8	191.3	157.5
CEBU		32.8	89.6	44.0	13.8	60.7	29.8	69.6	109.5	91.5	169.0	247.5	211.0	140.5	298.9	235.2	117.6	250.6	204.2
SIQUIJOR		37.6	44.7	41.3	17.9	33.6	25.7	82.2	89.6	85.4	157.3	171.3	164.7	121.8	134.4	127.8	111.8	123.0	117.1
REGION VIII																			
BILIRAN		80.6	94.2	88.7	52.8	60.9	53.5	99.6	110.6	105.0	152.8	183.7	171.8	189.4	203.3	198.0	193.7	209.3	204.0
EASTERN SAMAR		108.7	142.2	120.8	61.2	139.0	98.9	115.4	156.2	135.1	168.7	213.1	204.5	174.4	252.1	216.5	189.2	224.6	214.3
LEYTE		74.2	120.7	101.0	32.7	73.1	57.7	69.3	123.6	100.2	143.1	204.4	186.3	169.7	229.2	201.3	192.6	227.6	210.5
NORTHERN SAMAR		81.7	145.1	123.6	41.1	66.3	60.8	97.9	126.1	111.5	136.7	200.6	180.6	136.6	248.1	196.7	185.7	213.3	199.0
SAMAR (WESTERN SAMAR)		83.9	125.7	112.1	51.8	123.2	72.9	99.5	145.3	123.4	139.0	210.0	190.8	162.0	242.6	205.7	186.3	220.1	208.3
SOUTHERN LEYTE		74.0	194.6	117.8	32.5	131.8	55.2	68.4	95.8	82.5	127.5	171.1	146.9	147.2	222.5	196.8	154.1	213.7	192.1
REGION IX																			
ZAMBOANGA DEL NORTE		23.7	37.5	30.8	33.8	56.4	49.6	100.9	129.0	116.5	176.2	263.4	233.2	170.9	262.7	233.6	143.2	228.0	198.1
ZAMBOANGA DEL SUR		21.4	43.1	34.5	45.4	62.4	55.5	95.7	139.9	123.3	172.8	266.7	232.7	167.1	262.7	218.4	125.4	215.6	187.1
ZAMBOANGA SIBUGAY		29.7	38.9	33.3	50.4	61.8	52.9	109.2	129.3	120.1	191.4	250.7	225.1	187.5	250.7	222.6	166.5	214.7	196.1
REGION X																			
BUKIDNON		43.5	122.0	77.5	14.6	104.3	65.3	136.1	209.8	185.9	220.5	288.1	261.8	233.6	344.9	296.2	232.0	344.7	298.1
CAMIGUIN		82.3	93.8	88.1	71.4	77.0	75.9	95.2	105.3	99.9	154.0	167.0	159.6	143.8	160.7	154.1	156.7	169.8	162.7
LANAO DEL NORTE		39.1	50.4	43.3	19.6	82.6	55.5	133.1	159.1	144.9	237.6	265.5	254.5	202.4	257.8	219.7	200.1	268.4	224.8
MISAMIS OCCIDENTAL		31.1	41.8	36.0	51.7	63.4	55.8	108.8	137.0	124.3	218.3	264.9	247.0	198.4	250.5	222.3	166.4	210.3	194.2
MISAMIS ORIENTAL		39.8	118.7	70.6	14.5	86.4	54.1	110.1	154.0	130.6	169.2	248.9	213.3	155.0	259.3	210.2	150.8	264.9	216.1
REGION XI																			
DAVAO DE ORO		61.9	227.2	136.7	71.0	168.0	109.6	186.6	210.6	198.0	189.4	244.8	212.9	97.7	208.1	128.9	177.1	243.0	196.4
DAVAO CITY		100.5	127.6	116.0	66.6	194.4	134.0	205.7	230.6	216.9	221.9	268.3	247.0	207.5	352.8	300.0	204.8	289.9	262.2
DAVAO DEL NORTE		88.1	168.4	129.1	60.6	185.3	85.0	195.2	219.5	206.5	206.2	268.5	235.9	111.5	298.1	200.4	192.1	294.5	237.4
DAVAO DEL SUR		61.7	111.3	84.9	71.7	194.6	133.9	141.1	220.1	179.7	168.9	241.0	209.1	219.0	352.4	309.0	150.0	255.2	203.3
DAVAO OCCIDENTAL		56.8	82.5	68.7	59.7	132.2	86.4	114.1	173.7	134.4	126.1	196.9	152.0	88.8	302.9	178.4	122.1	189.7	144.3
DAVAO ORIENTAL		82.8	242.7	132.3	101.1	183.5	116.6	153.9	211.6	187.2	181.0	234.6	197.2	101.8	244.4	157.2	173.5	196.2	181.3
REGION XII																			
SOUTH COTABATO		36.4	69.8	54.9	37.9	92.8	67.9	99.9	163.6	130.9	121.3	216.6	160.5	82.4	259.9	154.4	97.9	191.4	140.9
COTABATO		59.0	109.0	80.8	83.8	173.2	103.6	172.0	214.8	195.6	219.2	288.4	269.7	264.8	356.7	326.5	200.3	301.9	263.2
SARANGANI		41.0	70.2	55.9	39.0	92.7	65.5	104.3	145.9	118.3	118.1	176.1	136.4	73.7	232.1	119.1	103.3	156.5	122.9
SULTAN KUDARAT		59.1	82.0	63.9	79.3	123.8	88.6	134.0	178.8	155.3	170.2	248.1	208.3	142.0	319.1	210.0	149.9	221.7	181.9
REGION XIII																			
AGUSAN DEL NORTE		100.5	201.1	142.8	76.1	122.8	86.1	106.0	156.0	126.2	142.1	224.4	186.8	122.0	229.6	165.1	121.0	214.6	147.8
AGUSAN DEL SUR		97.4	327.2	180.3	72.7	290.1	124.5	125.0	224.9	184.4	171.8	257.7	237.9	134.8	279.2	207.0	126.4	291.3	209.0
DINAGAT ISLANDS		146.9	235.6	193.4	71.5	152.1	117.9	97.9	109.3	104.4	132.9	154.8	141.6	143.3	189.4	166.9	142.9	185.3	164.9
SURIGAO DEL NORTE		189.1	260.9	215.8	91.7	163.6	126.1	96.7	137.3	113.9	130.0	176.7	149.1	121.7	181.4	139.9	121.4	175.8	137.1
SURIGAO DEL SUR		181.2	348.5	235.6	86.2	294.5	155.2	121.3	230.3	173.8	162.4	259.8	221.9	131.0	219.4	181.8	123.3	195.8	165.1
BARM																			
BASILAN		24.8	32.2	28.3	38.1	56.8	51.9	101.0	112.9	106.5	174.8	187.3	178.7	168.8	193.7	175.7	135.8	167.9	149.2
MAGUINDANAO		50.6	78.8	62.0	68.4	96.6	90.3	156.6	194.2	178.7	211.3	285.3	256.1	207.0	333.6	257.1	188.2	273.9	228.3
LANAO DEL SUR		43.8	73.9	53.3	39.4	90.6	74.6	142.9	195.7	168.7	247.1	287.4	271.1	217.7	331.6	257.1	211.4	302.5	259.1
SULU		22.9	39.8	33.7	32.6	57.8	50.8	104.4	118.9	112.0	179.0	214.4	194.0	177.1	235.8	200.4	167.5	214.6	187.0
TAWI-TAWI		16.2	40.7	32.0	24.7	53.8	48.4	106.2	121.3	118.7	186.3	230.3	204.7	180.4	270.5	223.6	176.8	256.7	207.6

FORECAST WATERSHED RAINFALL for selected Dams and Lakes

in (mm) and (%N) FOR MARCH 2024 - AUGUST 2024

FORECAST WATERSHED RAINFALL (MAR 2024 - AUG 2024)

NAME	Angat WS	La Mesa WS	Lake Buhi	Lake Lanao	Magat WS	Malinao WS	Pantabangan WS	San Roque Cascade WS
MARCH	MIN	4.5	3.8	27.8	39.8	12.7	59.3	26.9
	MAX	56.0	6.6	90.0	62.3	46.1	69.2	76.6
	MEAN	29.7	5.2	45.1	50.9	24.4	64.5	47.5
	%NORMAL	34.1	11.9	56.1	62.3	26.5	58.7	33.2
APRIL	MIN	17.8	14.5	7.9	14.5	40.4	33.4	42.6
	MAX	149.1	22.3	64.1	87.6	77.3	43.2	131.9
	MEAN	65.9	18.3	25.9	54.8	58.2	40.0	78.6
	%NORMAL	71.6	53.4	64.1	44.7	58.8	41.2	60.3
MAY	MIN	170.3	149.9	96.5	127.2	184.6	69.8	209.4
	MAX	203.2	158.6	104.9	185.2	248.0	74.5	228.1
	MEAN	190.1	153.3	98.7	160.7	220.3	71.6	221.2
	%NORMAL	88.4	77.0	59.8	88.9	83.7	68.6	87.6
JUNE	MIN	239.9	220.2	159.6	229.0	156.9	137.1	204.4
	MAX	259.3	232.7	175.2	284.0	229.3	147.3	226.0
	MEAN	250.0	227.2	167.5	260.8	202.1	141.4	210.3
	%NORMAL	88.7	79.8	89.2	95.2	79.4	92.2	83.2
JULY	MIN	377.2	342.1	202.7	207.0	223.2	142.8	241.1
	MAX	407.5	374.7	272.0	314.4	446.3	158.6	318.9
	MEAN	398.3	364.0	250.5	256.4	344.1	150.8	278.6
	%NORMAL	92.5	77.0	84.5	92.1	75.6	96.2	76.5
AUGUST	MIN	331.2	404.1	208.0	225.5	279.0	149.9	258.4
	MAX	409.3	425.3	251.3	312.4	582.6	166.8	410.3
	MEAN	374.8	415.9	230.2	264.2	431.8	159.5	321.8
	%NORMAL	92.6	79.3	99.9	112.8	89.6	108.7	93.5

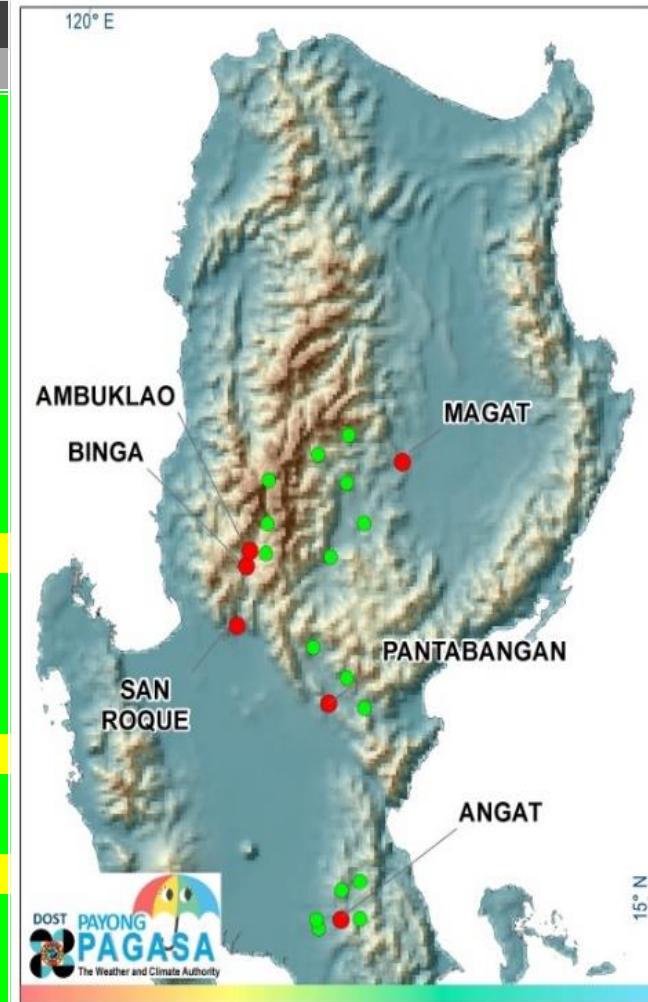


Probabilistic RAINFALL Forecast (%)			
Forecast Issuance date: 21 FEBRUARY 2024		Probabilistic Forecast for ANGAT	
		% PROBABILITY OF HAVING:	
Forecast Months		Below Normal	Near Normal
MARCH		63	31
APRIL		44	34
MAY		43	32
JUNE		42	31
JULY		52	30
AUGUST		47	28
Forecast Months		Above Normal	
MARCH		5	
APRIL		21	
MAY		25	
JUNE		27	
JULY		19	
AUGUST		25	

FORECAST RAINFALL OF RAIN STATIONS OVER SELECTED DAM AREAS

in (mm) and (%N) FOR MARCH 2024 – AUGUST 2024

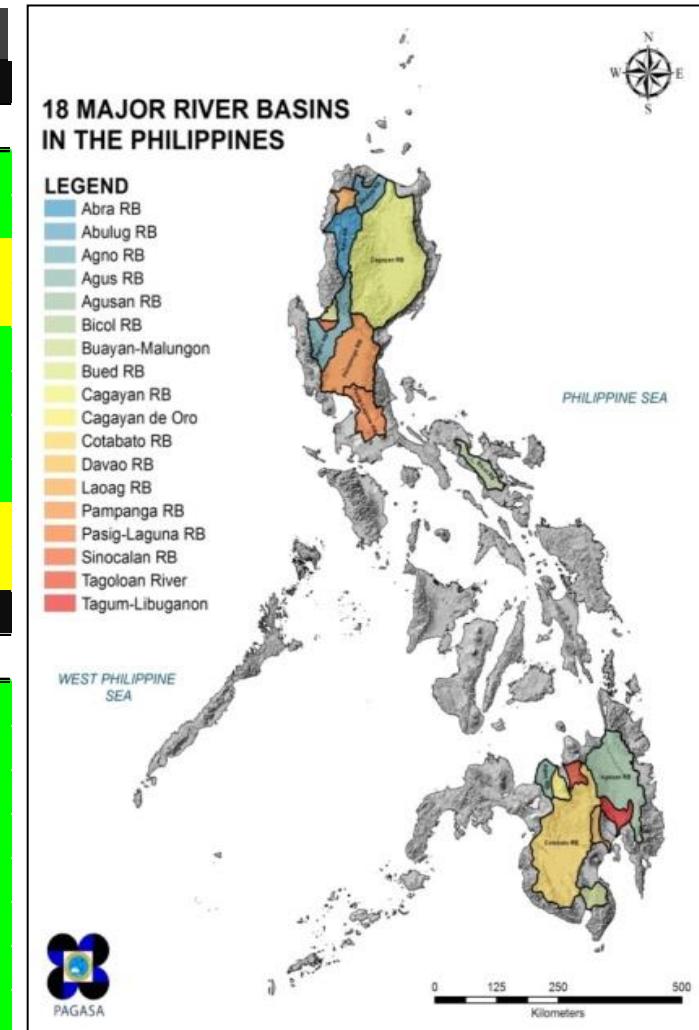
SITES	MARCH		APRIL		MAY		JUNE		JULY		AUGUST	
	MM	%NORMAL	MM	%NORMAL								
AMBUKLAODAM	17.1	22.3	62.9	59.8	261.5	84.9	236.8	69.5	465.5	67.6	654.8	81.8
ANGATDAM	4.1	12.8	18.1	49.6	169.8	81.3	242.7	84.5	400.8	86.7	368.1	80.3
APUNAN	19.6	24.7	66.0	61.7	247.4	84.7	235.0	71.6	459.8	70.2	621.2	83.4
BADAYAN	18.1	23.8	69.5	64.7	232.4	84.1	226.7	72.1	447.4	71.1	590.9	83.6
BINGADAM	13.6	18.5	56.7	55.6	260.3	84.7	236.1	68.9	449.4	66.6	644.0	81.1
BOBOK	18.7	22.8	60.3	57.3	254.3	84.8	231.7	71.0	455.6	69.0	606.2	83.0
BUNGA	31.6	26.1	54.0	53.5	222.8	85.9	208.5	78.0	302.2	72.1	381.9	88.2
BUYOC	20.5	26.2	54.0	57.8	210.0	82.9	191.6	81.5	325.8	78.9	402.3	90.6
DANTOR	14.7	22.0	53.6	56.0	196.3	82.4	172.3	79.6	297.7	78.6	388.1	90.3
DUMAYUP	29.2	30.5	57.2	64.3	214.3	83.0	194.7	85.0	303.1	78.6	362.3	93.5
HALONG	16.5	22.8	57.8	56.6	209.8	83.1	194.7	76.9	362.0	76.3	462.6	87.6
IPODAM	1.7	14.4	0.5	33.8	161.5	78.1	233.9	80.1	379.4	79.7	401.6	78.9
MAGATDAM	17.1	27.0	46.7	65.5	188.4	81.3	163.4	87.3	224.0	81.2	282.0	95.5
MAPUTI	43.2	41.1	83.3	81.6	199.6	92.5	251.4	89.5	402.5	94.5	361.6	101.3
MARIKIT	71.2	42.8	119.2	72.3	225.7	89.4	224.0	88.6	266.5	80.3	282.2	99.4
MATULID	14.7	28.2	38.9	54.7	186.9	86.9	249.4	88.1	397.2	90.5	409.3	84.5
NORZAGARAY	2.0	16.7	0.2	34.5	163.4	78.6	234.5	80.1	384.3	80.7	399.5	79.4
PADALIS	52.5	35.3	86.3	63.6	221.0	87.6	207.7	84.3	276.2	78.4	303.3	94.8
PANTABANGAN DAM	38.2	28.7	59.5	49.0	211.0	87.9	206.5	82.2	273.4	77.7	310.0	92.0
SANROQUEDAM	8.0	13.2	37.6	51.8	229.0	82.7	222.2	68.2	356.8	62.9	515.0	79.3
STODOMINGO	30.0	28.6	59.5	58.2	228.8	84.4	213.5	79.7	357.8	74.9	438.1	89.9
TALAGUIO	15.3	34.8	40.5	68.0	182.4	84.7	242.7	85.4	407.2	91.0	394.5	86.1
UMIRAY	44.6	36.9	70.8	56.0	192.1	88.7	259.7	93.4	381.3	93.8	354.7	94.7



FORECAST RAINFALL OVER SELECTED RIVER BASINS

in (mm) and (%N) FOR MARCH 2024 – AUGUST 2024

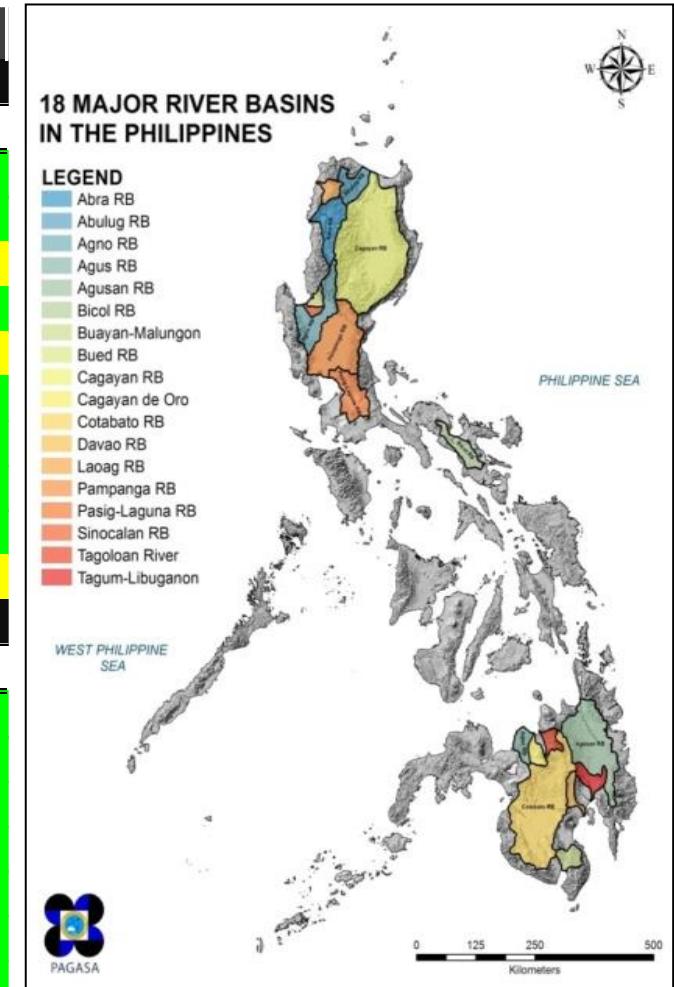
CATCHMENT	MARCH 2024				APRIL 2024				MAY 2024			
	LUZON											
	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal
Abra RB	0.4	18.4	6.0	10.1	2.2	73.9	33.2	39.2	145.8	238.6	171.2	83.7
Abulug RB	3.9	17.2	8.9	20.4	19.3	46.9	31.1	45.1	129.5	148.2	139.2	89.1
Agno RB	2.1	21.7	7.3	16.3	16.3	73.5	45.2	60.6	161.5	275.7	199.4	79.2
Bicol RB	27.8	87.4	45.7	52.6	13.6	61.3	29.4	60.4	94.4	104.2	98.1	59.9
Bued RB	1.7	7.7	4.6	10.8	34.1	62.0	48.0	64.9	186.9	271.2	221.3	80.3
Cagayan RB	2.0	102.8	25.7	25.0	19.7	161.9	53.3	58.1	126.6	248.0	177.5	83.5
Laoag RB	0.5	7.2	2.7	6.2	2.4	24.8	11.5	17.1	142.7	154.3	147.9	87.2
Pampanga RB	9.9	91.4	18.8	26.4	16.7	192.8	39.4	47.1	144.0	229.1	181.7	83.0
Pasig-Laguna RB	0.1	57.6	14.2	15.6	14.6	85.7	30.7	60.1	111.0	177.3	134.7	76.8
Sinocalan RB	0.3	5.8	1.8	9.9	32.5	62.3	48.3	73.6	181.2	213.0	191.4	77.7
MINDANAO												
CATCHMENT	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal
Agus RB	39.8	54.5	45.2	65.5	14.5	65.7	32.9	33.6	118.8	171.0	138.7	88.2
Agusan RB	89.9	284.8	164.7	73.3	72.4	254.9	111.8	67.5	115.6	216.4	181.2	91.7
Buayan-Malungon	36.4	76.2	59.5	68.9	37.9	111.0	67.6	70.8	99.9	162.7	133.4	92.0
Cagayan de Oro	41.8	66.2	52.9	66.3	14.5	68.9	38.9	36.8	131.6	190.7	164.5	91.0
Cotabato RB	49.1	123.7	73.9	64.7	44.6	160.0	87.7	62.2	117.6	216.0	182.0	90.9
Davao RB	106.3	123.7	116.0	79.8	72.0	184.6	103.2	63.9	206.0	223.7	213.2	95.7
Tagoloan River	57.3	86.6	68.3	67.1	31.5	71.8	49.8	43.1	135.3	194.3	167.0	90.8
Tagum-Libuganon	110.6	191.5	140.3	72.0	60.7	124.2	79.6	62.8	198.9	208.4	204.5	96.0



FORECAST RAINFALL OVER SELECTED RIVER BASINS

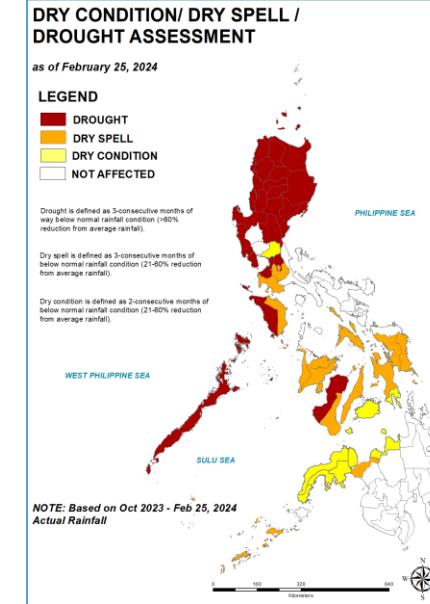
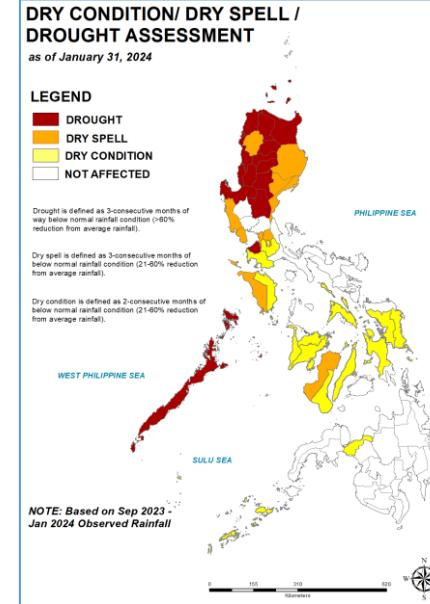
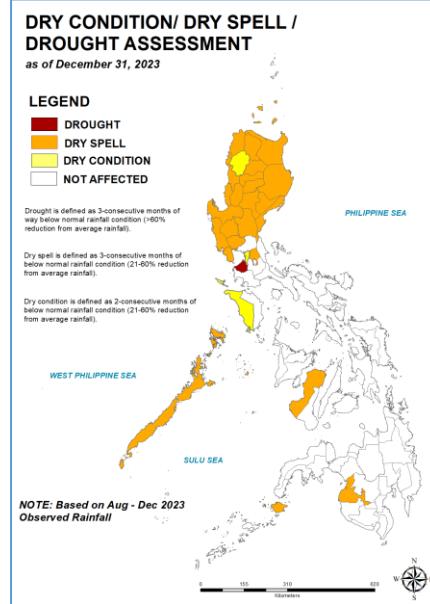
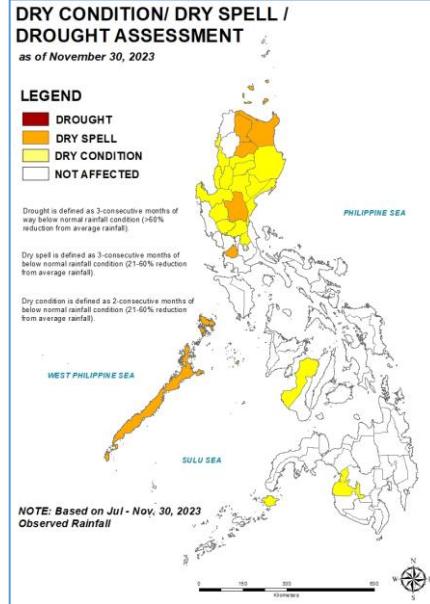
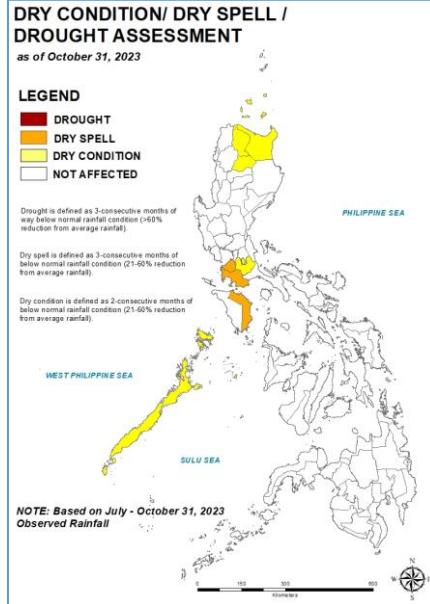
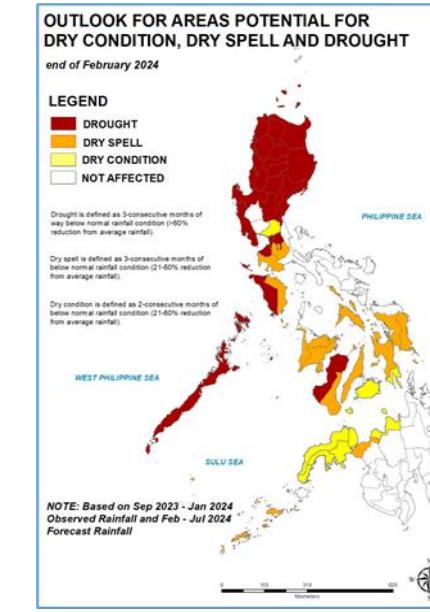
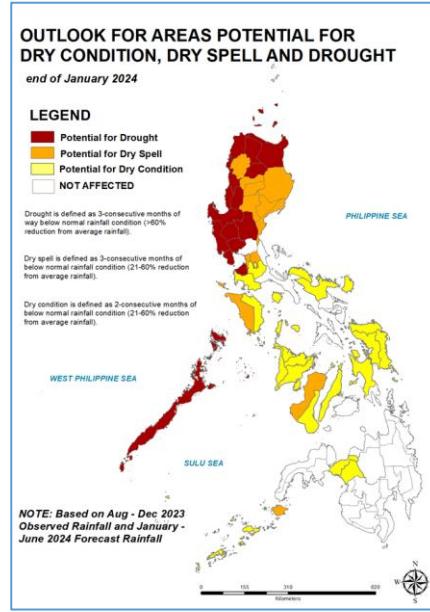
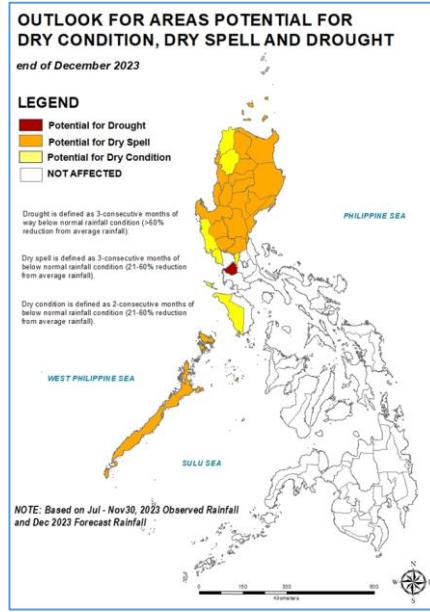
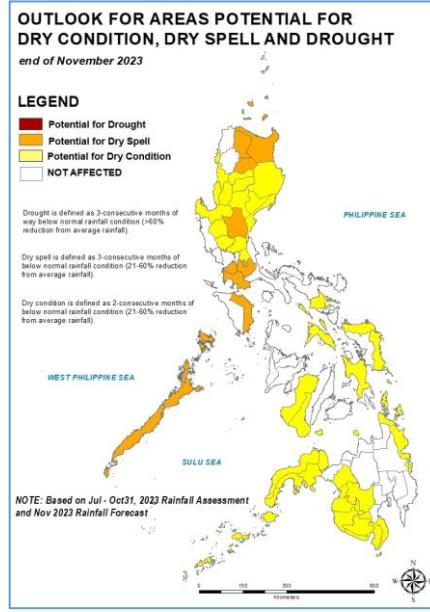
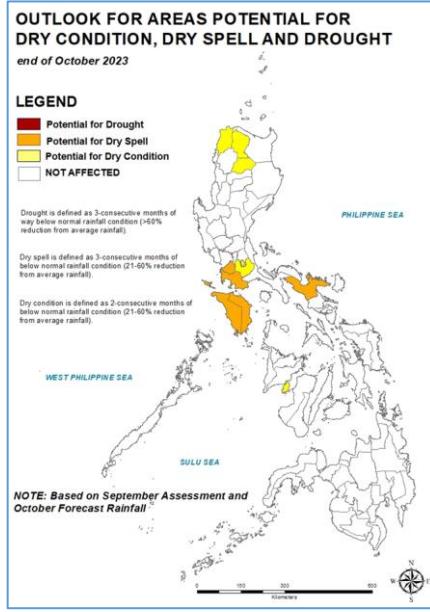
in (mm) and (%N) FOR MARCH 2024 – AUGUST 2024

CATCHMENT	JUNE 2024				JULY 2024				AUGUST 2024			
	LUZON											
	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal
Abra RB	132.1	234.0	175.6	68.4	249.9	463.5	326.1	66.2	346.9	627.3	465.0	84.5
Abulug RB	98.3	134.6	115.1	66.2	138.4	266.8	206.4	68.4	215.1	402.7	314.4	88.7
Agno RB	193.1	245.6	219.2	67.4	239.4	490.2	342.1	64.7	370.9	743.1	500.9	79.6
Bicol RB	161.7	173.4	167.4	90.1	165.3	271.8	237.0	82.0	190.2	251.3	224.3	101.4
Bued RB	214.4	244.1	229.7	65.5	306.8	451.9	356.7	61.1	451.2	711.4	531.7	76.8
Cagayan RB	98.1	229.6	158.3	84.3	132.7	446.1	218.5	75.2	179.3	582.2	285.9	96.3
Laoag RB	124.1	163.1	143.0	61.3	241.5	305.9	285.2	65.4	370.3	515.8	429.0	88.1
Pampanga RB	189.0	259.3	216.6	78.1	238.2	460.6	321.0	77.7	251.1	712.8	375.8	88.2
Pasig-Laguna RB	162.6	250.1	194.9	77.1	219.6	396.1	290.6	74.9	196.1	470.4	318.1	83.2
Sinocalan RB	206.0	235.5	217.0	65.1	276.8	323.0	297.2	60.4	426.1	478.4	448.1	75.6
MINDANAO												
CATCHMENT	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal	MIN	MAX	MEAN	%Normal
Agus RB	213.2	271.7	240.6	96.9	185.6	282.3	223.0	95.3	206.3	283.6	239.2	115.7
Agusan RB	173.2	258.3	231.0	99.7	97.7	280.1	191.8	91.6	126.7	293.1	204.9	107.5
Buayan-Malungon	130.7	187.0	157.4	95.0	115.1	279.7	196.3	122.5	97.9	175.6	139.9	107.3
Cagayan de Oro	226.3	274.4	256.5	94.4	223.5	320.5	277.4	93.4	235.1	322.6	283.0	115.2
Cotabato RB	137.5	288.4	249.6	94.1	108.7	356.7	279.3	97.6	121.3	344.7	248.8	105.9
Davao RB	223.7	268.1	254.9	95.4	233.8	334.7	283.0	96.0	236.1	296.5	272.4	104.1
Tagoloan River	222.5	266.0	242.5	95.5	228.2	311.3	278.3	97.2	238.2	330.3	285.7	116.4
Tagum-Libunganon	212.7	255.1	232.6	97.0	104.0	247.8	162.2	81.2	195.2	280.3	229.4	103.6



ASSESSMENT

OUTLOOK



Outlook for Areas Potential for Dry Cond-Dry Spell-Drought

Actual Areas Affected by Dry Cond-Dry Spell-Drought

OUTLOOK FOR AREAS POTENTIAL FOR DRY CONDITION, DRY SPELL AND DROUGHT

end of February 2024

LEGEND

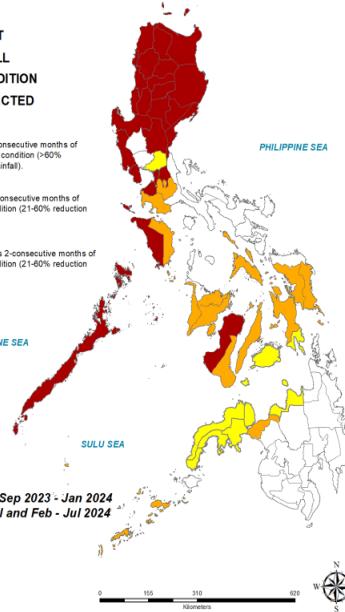
- DROUGHT
- DRY SPELL
- DRY CONDITION
- NOT AFFECTED

Drought is defined as 3-consecutive months of way below normal rainfall condition (>60% reduction from average rainfall).

Dry spell is defined as 3-consecutive months of below normal rainfall condition (21-60% reduction from average rainfall).

Dry condition is defined as 2-consecutive months of below normal rainfall condition (21-60% reduction from average rainfall).

NOTE: Based on Sep 2023 - Jan 2024
Observed Rainfall and Feb - Jul 2024
Forecast Rainfall



Issued: 05 February 2024



OUTLOOK OVER DIFFERENT PROVINCES by end of Feb 2024

AREA	DRY CONDITION	DRY SPELL	DROUGHT
LUZON	1	4	23
	Bulacan	Batangas, Laguna, Masbate, Oriental Mindoro	Abra, Apayao, Aurora, Bataan, Benguet, Cagayan, Cavite, Ifugao, Ilocos Norte, Ilocos Sur, Isabela, Kalinga, La Union, Metropolitan Manila, Mountain Province, Nueva Ecija, Nueva Vizcaya, Occidental Mindoro, Palawan, Pangasinan, Quirino, Rizal, Zambales
VISAYAS	3	10	1
	Bohol, Siquijor, Southern Leyte	Antique, Biliran, Capiz, Cebu, Eastern Samar, Guimaras, Iloilo, Leyte, Negros Oriental, Samar	Negros Occidental
MINDANAO	6	3	0
	Camiguin, Misamis Occidental, Misamis Oriental, Zamboanga del Norte, Zamboanga del Sur, Zamboanga Sibugay	Lanao del Norte, Sulu, Tawi-Tawi	None
TOTAL	10	17	24

The assessment and forecasts provided are scheduled to be updated every first week of the month.

DRY CONDITION/ DRY SPELL / DROUGHT ASSESSMENT

as of February 25, 2024

LEGEND

- DROUGHT
- DRY SPELL
- DRY CONDITION
- NOT AFFECTED

Drought is defined as 3-consecutive months of way below normal rainfall condition (>60% reduction from average rainfall).

Dry spell is defined as 3-consecutive months of below normal rainfall condition (21-60% reduction from average rainfall).

Dry condition is defined as 2-consecutive months of below normal rainfall condition (21-60% reduction from average rainfall).

NOTE: Based on Oct 2023 - Feb 25, 2024
Actual Rainfall



Issuance: 2024-02-26

OVER DIFFERENT PROVINCES As of Feb 25, 2024 (ACTUAL)

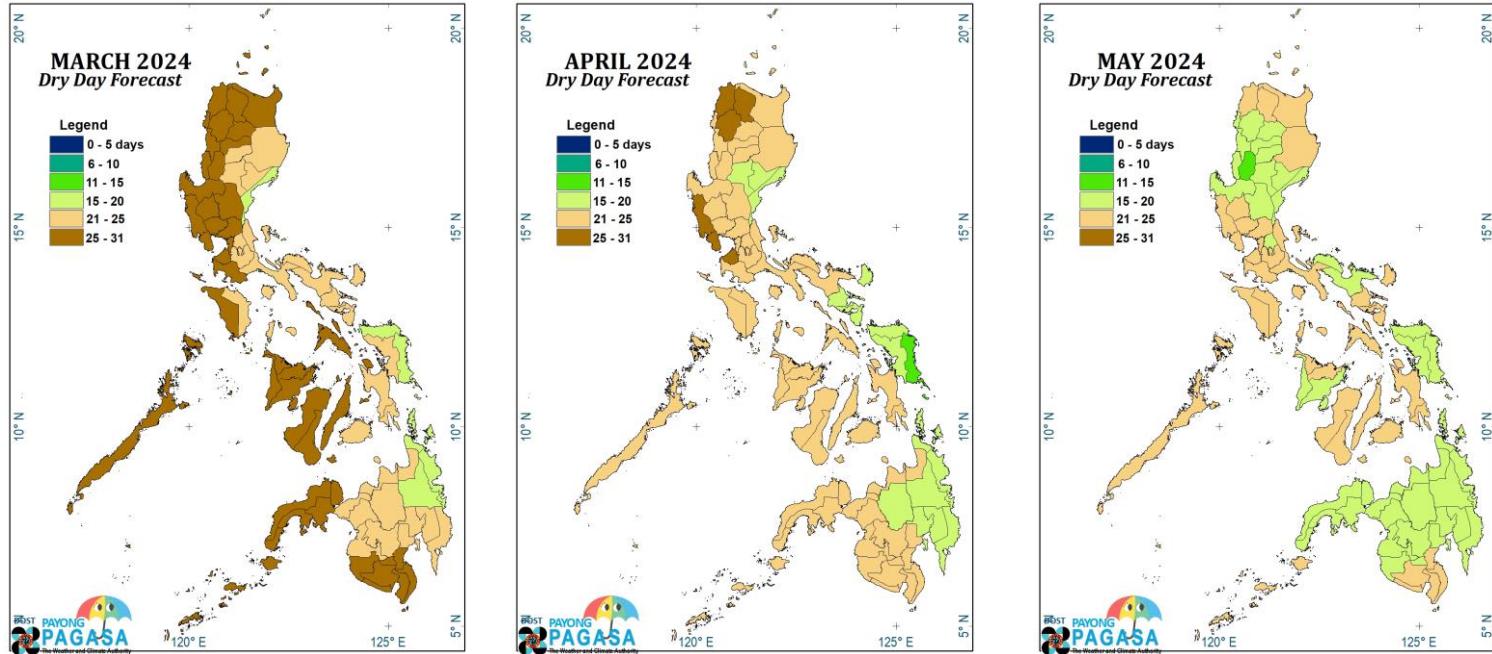
AREA	DRY CONDITION	DRY SPELL	DROUGHT
LUZON	1	4	23
	Bulacan	Batangas, Laguna, Masbate, Oriental Mindoro	Abra, Apayao, Aurora, Bataan, Benguet, Cagayan, Cavite, Ifugao, Ilocos Norte, Ilocos Sur, Isabela, Kalinga, La Union, Metropolitan Manila, Mountain Province, Nueva Ecija, Nueva Vizcaya, Occidental Mindoro, Palawan, Pangasinan, Quirino, Rizal, Zambales
VISAYAS	3	10	1
	Bohol, Siquijor, Southern Leyte	Antique, Biliran, Capiz, Cebu, Eastern Samar, Guimaras, Iloilo, Leyte, Negros Oriental, Samar	Negros Occidental
MINDANAO	6	3	0
	Camiguin, Misamis Occidental, Misamis Oriental, Zamboanga del Norte, Zamboanga del Sur, Zamboanga Sibugay	Lanao del Norte, Sulu, Tawi-Tawi	None
TOTAL	10	17	24

Payong
PAGASA

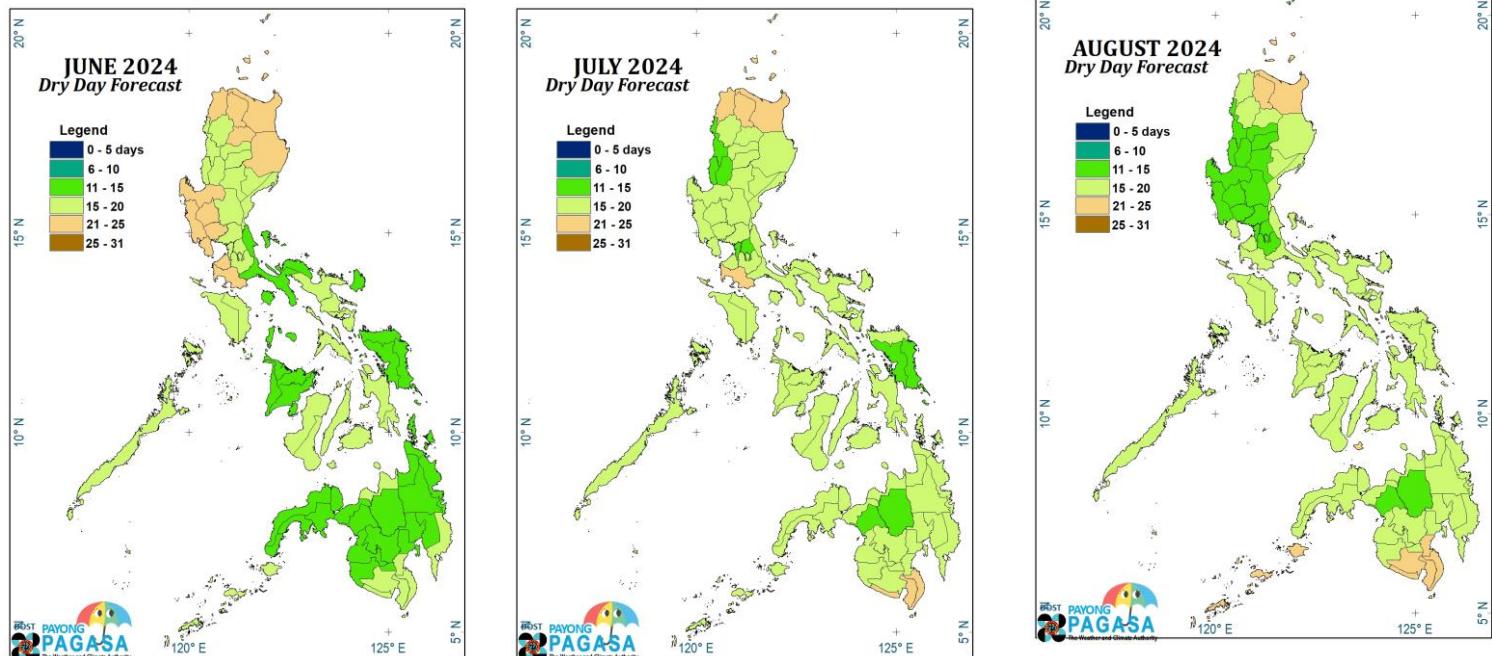


DRY DAY FORECAST

MARCH – AUGUST 2024



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



DRY DAY* FORECAST

MARCH – AUGUST 2024

DRY DAY FORECAST ANOMALY

Red shade – increased number of dry days

Blue shade – less than the usual number of dry days, i.e., more days with rain

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

NORMAL (1991 - 2020)							FORECAST					ANOMALY						
PROVINCE	MAR	APR	MAY	JUN	JUL	AUG	MAR	APR	MAY	JUN	JUL	AUG	MAR	APR	MAY	JUN	JUL	AUG
CORDILLERA ADMINISTRATIVE REGION (CAR)																		
ABRA	24	22	19	16	15	15	28	25	19	18	17	16	4	3	0	2	2	1
BENGUET	23	19	14	13	11	10	26	22	15	16	13	11	3	3	1	3	2	1
IFUGAO	22	19	16	15	13	14	25	21	17	17	15	14	3	2	1	2	2	0
KALINGA	24	22	19	18	16	17	27	24	20	20	18	18	3	2	1	2	2	1
APAYAO	26	24	21	21	19	19	27	25	20	23	22	20	1	1	-1	2	3	1
MOUNTAIN PROVINCE	23	20	17	16	14	14	26	22	18	17	15	15	3	2	1	1	1	1
REGION I																		
ILOCOS NORTE	27	25	21	20	18	18	28	27	21	23	21	19	1	2	0	3	3	1
ILOCOS SUR	23	21	17	13	12	12	27	24	18	15	14	13	4	3	1	2	2	1
LA UNION	23	20	15	13	11	11	27	23	16	16	13	11	4	3	1	3	2	0
PANGASINAN	25	23	18	16	14	14	27	24	20	20	16	14	2	1	2	4	2	0
REGION II																		
BATANES	21	21	18	19	17	14	23	22	18	22	18	15	2	1	0	3	1	1
CAGAYAN	24	23	21	21	20	20	26	24	21	24	22	21	2	1	0	3	2	1
ISABELA	21	20	19	19	17	18	23	21	21	20	19	19	2	1	2	1	2	1
NUEVA VIZCAYA	21	17	15	14	13	13	23	20	16	16	15	13	2	3	1	2	2	0
QUIRINO	18	16	16	15	14	15	20	18	18	16	17	16	2	2	2	1	3	1
REGION III (CENTRAL LUZON)																		
BATAAN	26	24	20	17	14	14	28	27	24	24	19	15	2	3	4	7	5	1
BULACAN	22	22	17	15	13	14	25	23	20	19	16	15	3	1	3	4	3	1
NUEVA ECIJA	24	21	18	16	14	14	25	23	18	19	17	15	1	2	0	3	3	1
PAMPANGA	24	22	18	16	13	14	27	24	21	22	17	14	3	2	3	6	4	0
TARLAC	25	23	18	16	13	14	27	23	21	21	17	14	2	0	3	5	4	0
ZAMBALES	25	23	19	15	13	13	27	25	23	21	17	14	2	2	4	6	4	1
AURORA	17	15	16	15	15	16	19	17	19	15	18	17	2	2	3	0	3	1
NATIONAL CAPITAL REGION																		
METRO MANILA	24	22	19	15	12	13	26	23	20	18	15	14	2	1	1	3	3	1
REGION IV-A (CALABARZON)																		
BATANGAS	24	22	21	18	16	17	27	25	23	20	20	18	3	3	2	2	4	1
CAVITE	26	24	22	19	15	15	29	26	23	22	19	17	3	2	1	3	4	2
LAGUNA	22	21	18	15	13	14	24	22	20	17	16	14	2	1	2	2	3	0
RIZAL	21	21	17	13	12	12	24	21	20	16	14	12	3	0	3	3	2	0
QUEZON	18	19	17	14	15	16	22	21	20	14	18	17	4	2	3	0	3	1
REGION IV-B (MIMAROPA)																		
MARINDUQUE	19	19	18	15	15	17	23	22	21	14	19	19	4	3	3	-1	4	2
OCCIDENTAL MINDORO	24	23	21	16	15	16	26	25	23	19	18	18	2	2	2	3	3	2
ORIENTAL MINDORO	22	21	20	16	15	17	24	23	23	16	18	19	2	2	3	0	3	2
ROMBLON	21	21	19	14	15	17	25	23	21	14	19	18	4	2	2	0	4	1
PALAWAN	25	22	21	16	17	18	27	25	22	18	19	19	2	3	1	2	2	1
REGION V (BICOL)																		
ALBAY	16	16	17	14	13	14	21	18	20	16	16	16	5	2	3	2	3	2
CAMARINES NORTE	17	20	18	15	16	17	22	22	20	15	18	18	5	2	2	0	2	1
CAMARINES SUR	17	18	18	15	15	16	22	20	20	15	17	16	5	2	2	0	2	0
CATANDUANES	17	16	18	15	15	17	22	18	21	14	15	16	5	2	3	-1	0	-1
MASBATE	21	22	21	17	16	17	25	24	23	18	18	18	4	2	2	1	2	1
SORSOGON	16	17	18	15	14	15	21	19	21	16	17	17	5	2	3	1	3	2

DRY DAY* FORECAST

MARCH – AUGUST 2024

DRY DAY FORECAST ANOMALY

Red shade – increased number of dry days

Blue shade – less than the usual number of dry days, i.e., more days with rain

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

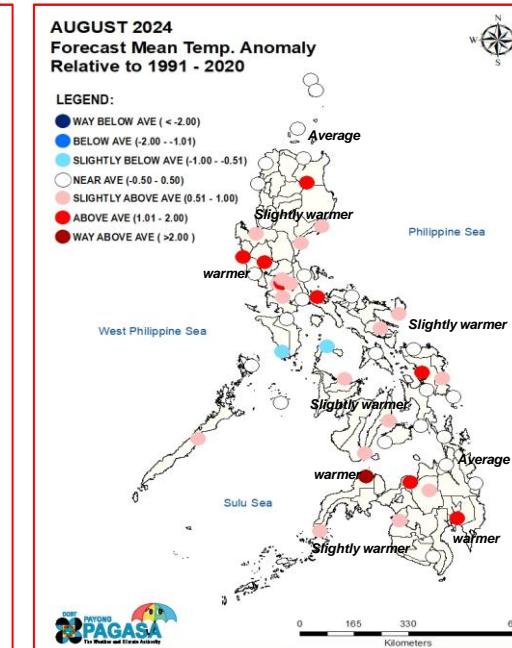
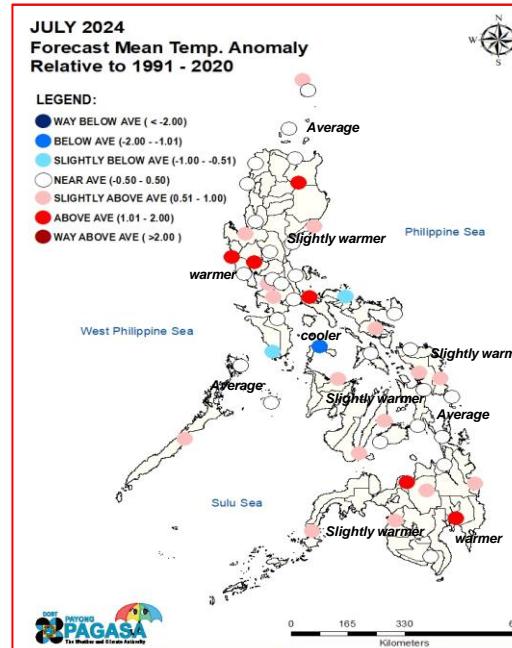
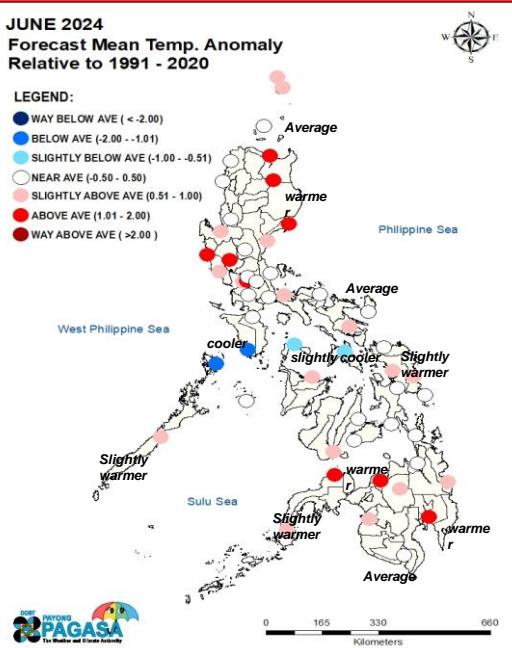
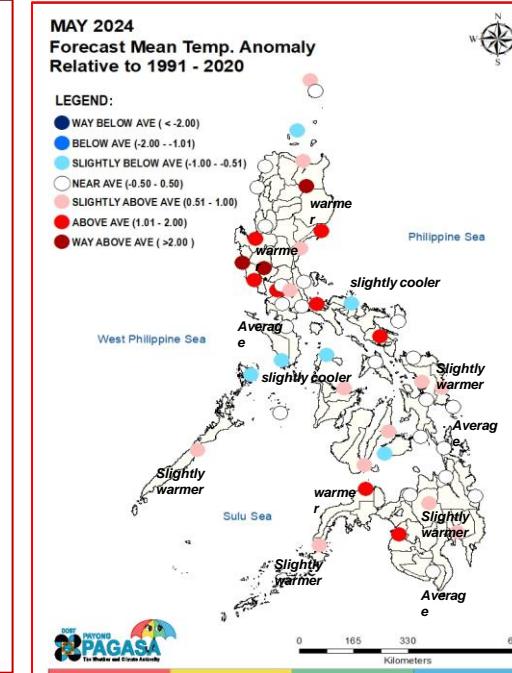
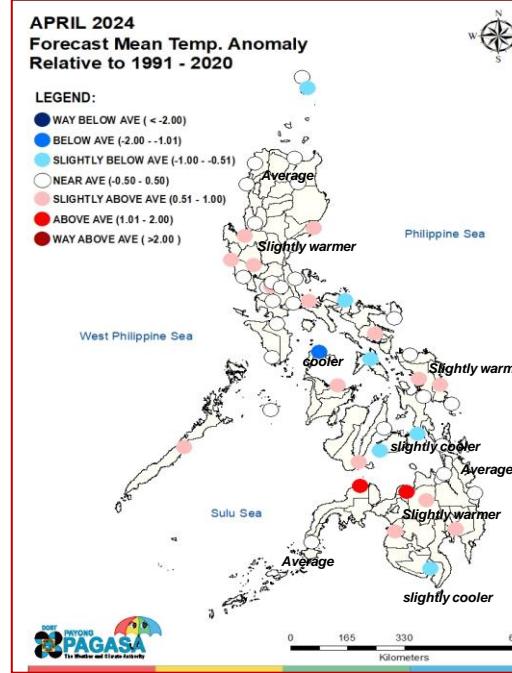
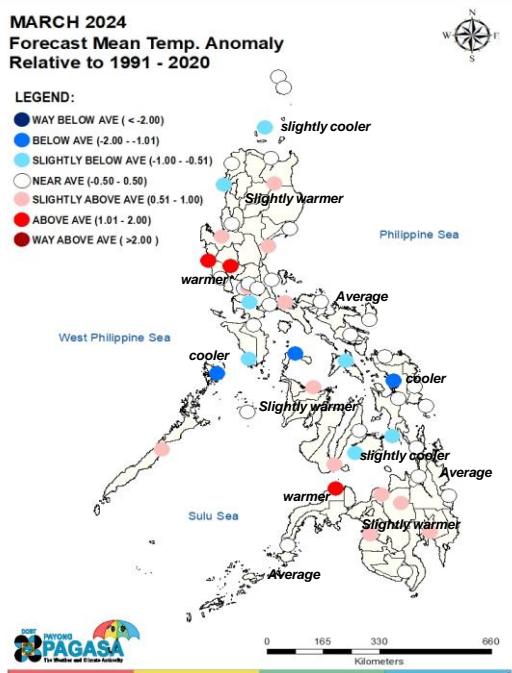
NORMAL (1991 - 2020)							FORECAST						ANOMALY					
PROVINCE	MAR	APR	MAY	JUN	JUL	AUG	MAR	APR	MAY	JUN	JUL	AUG	MAR	APR	MAY	JUN	JUL	AUG
REGION VI (WESTERN VISAYAS)																		
AKLAN	22	21	19	14	15	17	26	24	20	14	17	17	4	3	1	0	2	0
ANTIQUE	23	22	18	14	14	16	26	24	19	14	16	16	3	2	1	0	2	0
CAPIZ	22	21	19	15	16	17	26	24	20	15	17	18	4	3	1	0	1	1
GUIMARAS	23	22	19	14	15	16	25	24	18	14	15	16	2	2	-1	0	0	0
ILOILO	23	22	19	14	15	17	26	24	19	14	16	17	3	2	0	0	1	0
NEGROS OCCIDENTAL	23	23	21	16	17	18	26	25	21	15	17	18	3	2	0	-1	0	0
NEGROS ORIENTAL	23	23	22	17	18	19	27	25	22	15	18	20	4	2	0	-2	0	1
BOHOL	21	20	20	17	17	18	24	22	22	18	19	20	3	2	2	1	2	2
CEBU	22	22	21	17	17	18	26	24	23	16	18	19	4	2	2	-1	1	1
SIQUIJOR	21	21	21	16	17	19	26	22	22	16	19	21	5	1	1	0	2	2
REGION VIII (EASTERN VISAYAS)																		
BILIRAN	19	19	20	15	16	18	25	22	21	15	16	18	6	3	1	0	0	0
EASTERN SAMAR	14	13	15	12	14	17	18	14	17	11	14	17	4	1	2	-1	0	0
LEYTE	19	18	20	15	16	17	24	21	21	16	16	18	5	3	1	1	0	1
NORTHERN SAMAR	15	16	17	14	15	18	19	17	19	12	16	18	4	1	2	-2	1	0
SAMAR (WESTERN SAMAR)	16	15	17	13	14	17	20	17	19	12	15	18	4	2	2	-1	1	1
SOUTHERN LEYTE	18	19	20	16	16	17	22	20	22	17	18	18	4	1	2	1	2	1
REGION IX (ZAMBOANGA PENINSULA)																		
ZAMBOANGA DEL NORTE	21	20	19	15	17	18	26	23	20	13	18	19	5	3	1	-2	1	1
ZAMBOANGA DEL SUR	20	19	18	14	16	17	25	22	18	13	17	18	5	3	0	-1	1	1
ZAMBOANGA SIBUGAY	21	20	19	15	17	18	26	23	19	13	17	19	5	3	0	-2	0	1
REGION X (NORTHERN MINDANAO)																		
BUKIDNON	19	18	14	12	13	14	24	20	15	12	14	14	5	2	1	0	1	0
CAMIGUIN	21	21	20	17	17	18	24	22	21	18	18	19	3	1	1	1	1	1
LANAO DEL NORTE	20	19	17	13	15	16	25	22	17	14	16	16	5	3	0	1	1	0
MISAMIS OCCIDENTAL	20	19	17	14	15	17	25	22	18	13	17	17	5	3	1	-1	2	0
MISAMIS ORIENTAL	21	20	18	15	16	17	24	22	19	15	17	17	3	2	1	0	1	0
REGION XI (DAVAO REGION)																		
DAVAO DE ORO	18	17	16	16	17	17	21	19	17	15	17	18	3	2	1	-1	0	1
DAVAO CITY	21	19	17	15	16	16	25	21	18	15	17	17	4	2	1	0	1	1
DAVAO DEL NORTE	19	18	16	15	16	16	23	20	17	14	16	17	4	2	1	-1	0	1
DAVAO DEL SUR	23	20	19	17	18	19	27	22	20	16	18	20	4	2	1	-1	0	1
DAVAO OCCIDENTAL	24	22	22	20	21	21	28	23	23	19	21	24	4	1	1	-1	0	3
DAVAO ORIENTAL	18	17	18	17	18	18	21	18	18	16	18	20	3	1	0	-1	0	2
REGION XII (SOCCSKARGEN)																		
SOUTH COTABATO	23	21	20	17	18	20	27	22	21	16	19	21	4	1	1	-1	1	1
COTABATO	20	18	16	13	15	16	25	20	17	13	15	16	5	2	1	0	0	0
SARANGANI	24	22	22	19	20	21	28	23	23	18	20	23	4	1	1	-1	0	2
SULTAN KUDARAT	21	19	18	15	17	18	26	21	19	14	17	19	5	2	1	-1	0	1
REGION XIII - CARAGA																		
AGUSAN DEL NORTE	17	18	19	15	18	19	21	20	20	13	18	19	4	2	1	-2	0	0
AGUSAN DEL SUR	16	16	15	13	15	16	20	18	16	12	16	16	4	2	1	-1	1	0
DINAGAT ISLANDS	13	14	19	14	17	18	17	16	19	13	17	20	4	2	0	-1	0	2
SURIGAO DEL NORTE	13	14	19	14	17	18	16	16	19	12	18	20	3	2	0	-2	1	2
SURIGAO DEL SUR	12	14	16	13	16	17	16	15	15	11	17	18	4	1	-1	-2	1	1
ARMIM																		
BASILAN	23	21	21	18	19	20	26	24	21	16	17	21	3	3	0	-2	-2	1
MAGUINDANAO	20	18	16	13	15	17	25	20	17	13	15	16	5	2	1	0	0	-1
LANAO DEL SUR	20	18	15	13	14	15	25	21	16	13	15	15	5	3	1	0	1	0
SULU	24	21	22	19	20	21	26	24	22	18	17	22	2	3	0	-1	-3	1



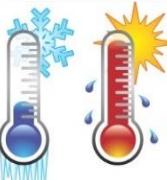
MONTHLY MEAN TEMPERATURE FORECAST (MARCH – AUGUST 2024)

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 : 27 February 2024

TMAX Summary	Mar-24		Apr-24		May-24		Jun-24		Jul-24		Aug-24	
	Tmax-Range											
Northern Luzon	28.9	38.0	30.4	39.7	31.5	40.7	31.9	40.8	31.6	38.8	31.0	37.5
Lowlands Luzon	28.5	37.3	31.0	39.4	31.7	39.7	30.8	39.6	29.7	39.9	28.5	38.3
Mountainous Luzon	26.5	28.1	27.4	29.8	26.4	29.0	26.8	28.7	25.6	27.4	25.2	27.0
Metro Manila	34.5	36.2	36.0	38.0	36.5	38.3	35.4	37.4	35.0	37.0	33.3	36.9
Lowlands Visayas	30.5	36.7	32.0	37.6	32.5	37.5	33.0	38.8	32.1	36.6	31.8	36.1
Lowlands Mindanao	31.1	37.9	32.6	39.4	33.5	38.8	33.8	37.9	33.3	36.9	33.7	37.1
Mountainous Mindanao	33.0	35.1	34.5	36.3	34.0	36.2	32.5	34.5	32.0	33.0	32.0	33.5

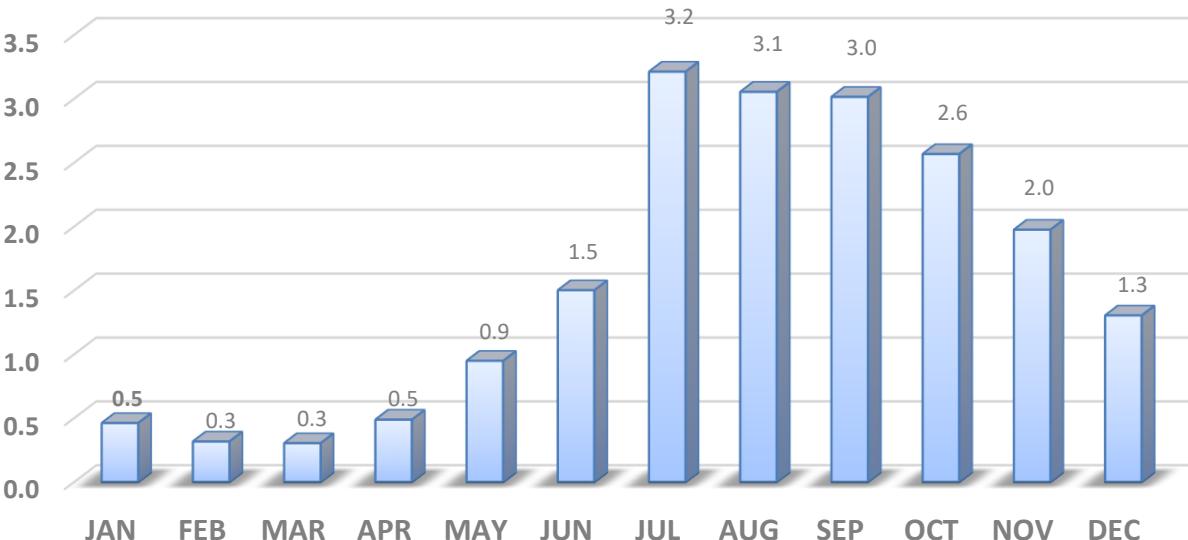
TMIN Summary	Mar-24		Apr-24		May-24		Jun-24		Jul-24		Aug-24	
	Tmin-Range											
Northern Luzon	14.5	22.5	15.3	24.4	20.7	25.0	21.8	25.3	16.2	24.9	18.9	24.6
Lowlands Luzon	17.0	26.1	18.6	29.0	19.3	27.7	19.2	26.0	17.0	25.0	17.0	25.0
Mountainous Luzon	12.1	14.9	12.4	15.2	15.2	16.2	15.2	16.2	14.2	15.4	14.2	15.3
Metro Manila	20.1	24.5	20.3	25.9	23.0	26.0	23.5	25.2	22.5	24.5	22.1	24.0
Lowlands Visayas	20.0	25.4	20.2	26.1	21.5	25.8	21.7	28.5	20.2	25.0	21.1	25.0
Lowlands Mindanao	18.3	23.9	20.5	24.9	21.4	25.2	21.1	24.3	20.8	24.2	20.8	24.5
Mountainous Mindanao	14.0	17.0	15.0	17.1	16.1	19.1	17.1	19.3	16.0	18.3	15.0	18.0



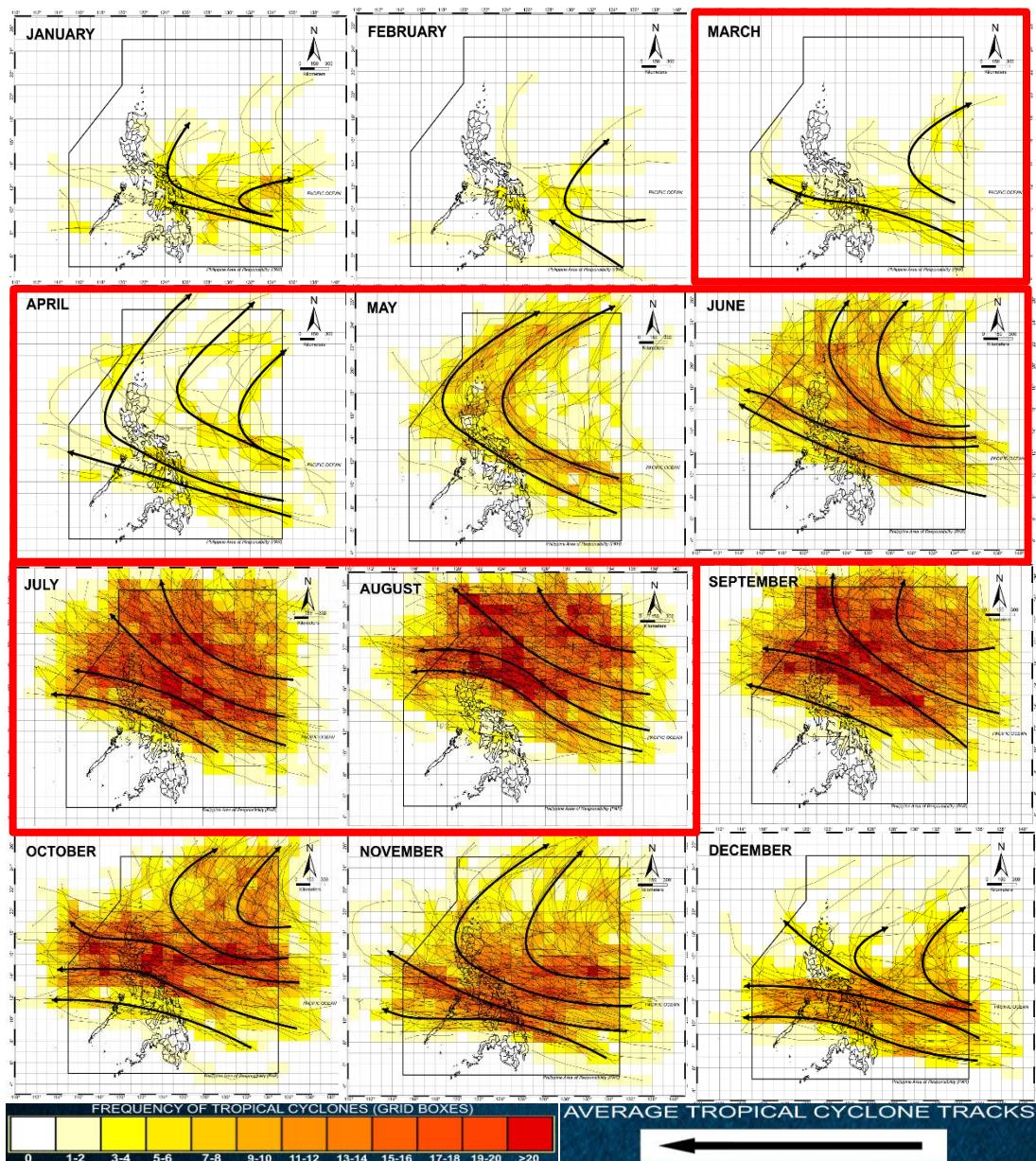
HOW MANY TROPICAL CYCLONES SHOULD YOU EXPECT?

MARCH 2024	0 or 1	JUNE 2024	1 or 2
APRIL 2024	0 or 1	JULY 2024	2 or 3
MAY 2024	1 or 2	AUGUST 2024	2 or 3
6-9 TCs expected			

Average Tropical Cyclone Frequency (1948-2023)



Tropical Cyclone Tracks Climatology with actual tracks from 1948-2015



SUMMARY

ENSO Alert System Status	El Niño Advisory #8
	<ul style="list-style-type: none">➤ Mature El Niño is expected to continue and show signs of weakening;➤ Majority of global climate models suggest that El Niño will likely persist until March-April-May 2024 season with a transition to ENSO-neutral in April-May-June 2024 season.
Forecast Rainfall Conditions:	
MARCH – APRIL 2024	<ul style="list-style-type: none">➤ generally <i>way below to below normal rainfall conditions will be likely over most parts of the country</i>;➤ high probability for <i>below normal</i> over most parts of the country.
MAY – AUGUST 2024	<ul style="list-style-type: none">➤ generally <i>below to near normal</i> rainfall conditions in most parts of the country;➤ Luzon: higher probability for <i>below normal</i> May-August;➤ Visayas: higher probability for <i>above normal</i> in June and August except July where <i>below normal</i> has higher probability;➤ Mindanao: higher probability for <i>above normal</i> in June – August except May where <i>below normal</i> has higher probability.
Forecast Temperature:	<ul style="list-style-type: none">➤ <i>Below average to warmer than average</i> surface air temperatures are expected throughout the country during the forecast period.
Tropical Cyclone Forecast:	<ul style="list-style-type: none">➤ 6 – 9 tropical cyclones are expected to enter/develop in the Philippine Area of Responsibility (PAR) from March to August 2024.

PAGASA will continue to closely monitor the ongoing El Niño and updates/advisories shall be issued as appropriate.

Tentative schedule of
170th CF:
20 MARCH 2024





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MEDIA: 4865



*Thank you for
listening!*