



Republic of the Philippines

DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT

DILG-NAPOLCOM Center, EDSA corner Quezon Avenue, West Triangle, Quezon City

<http://www.dilg.gov.ph>



LA NIÑA ADVISORY UPDATE

Memorandum Circular No. 2016-114
August 31, 2016

1.0 Background

- 1.1. The Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAG-ASA) is currently closely monitoring the development of La Niña as the tropical Pacific continues to exhibit cooler than average sea surface temperatures.
- 1.2. According to PAG-ASA, weather systems that will likely affect the country from July to December 2016 include the Southwest Monsoon (Habagat) from June to September, the Northeast Monsoon (Amihan) towards October, the Inter-tropical Convergence Zones (ITCZs), Low Pressure Areas (LPAs) and the occurrence of **nine (9) to fifteen (15) tropical cyclones to develop or enter the Philippine Area of Responsibility (PAR)**.
- 1.3. Analysis of rainfall distribution shows that below normal rainfall will be observed in most parts of Luzon during July and August, while near to above normal rainfall conditions will likely be expected in Visayas and Mindanao. Further, near to above normal rainfall conditions will likely be observed in most parts of the country from September to December, except in November, where patches of way below normal to below normal rainfall conditions will be expected in the western parts of Luzon and Central Mindanao. Probable heavy rains can also be expected, which may cause severe flooding and rain-induced landslides.

2.0 Purpose

The purpose of the policy is to provide updates on the developing La Niña currently being experienced by the country; and to advise all concerned of additional actions necessary in preparation for La Niña.

3.0 Scope/Coverage

All Provincial Governors, City and Municipal Mayors, DILG Regional Directors, ARMM Regional Governor, and all others concerned

4.0 Policy Content and Guidelines

- 4.1. In view of the above-mentioned occurrences, the Department enjoins all concerned to perform the following preparatory actions in preparation for La Niña 2016, in addition to other precautionary

measures identified in DILG Memorandum Circular No. 2016-74, dated May 31, 2016, titled "La Niña Advisory":

- 4.1.1. Local government units:
 - 4.1.1.1. Convene their respective Local Disaster Risk Reduction Management Councils and conduct Pre-Disaster Risk Assessments (PDRA), especially in flood and landslide high-risk areas, aided with the new 1:10,000 scale geo-hazard maps of DENR-MGB;
 - 4.1.1.2. Review their current La Niña Action Plans or Oplan Tag-ulan Plans submitted to the DILG Field Offices and evaluate if local preparedness measures are adequate based on the La Niña forecast of PAG-ASA; and
 - 4.1.1.3. Establish early preparedness actions for La Niña, with reference to DILG MC No. 2015-76, dated July 21, 2015, titled "Early Preparedness Actions to Reduce Disaster Risks", and **prioritize prepositioning of equipment and supplies for response assets.**
- 4.1.2. DILG Regional Offices:
 - 4.1.2.1. Recommend to the Regional Disaster Risk reduction Management Councils the conduct of PDRA for La Niña and evaluate the current La Niña Regional Action Plan; and
 - 4.1.2.2. Coordinate closely with PAG-ASA for the Regional and Provincial Rainfall Forecast, and with the DENR-MGB for LGUs with high to very high susceptibility to floods and landslides within their respective areas of responsibility.
- 4.2. A copy of the Regional/Provincial Outlook is available for downloading at the official website of PAG-ASA, through the following link: <http://bit.ly/2bk3kAH>.

5.0 References

- 5.1. PAG-ASA rainfall forecasts (July to December 2016)
- 5.2. DILG Memorandum Circular No. 2016-74, dated May 31, 2016, titled "La Niña Advisory"
- 5.3. DILG Memorandum Circular No. 2015-76, dated July 21, 2015, titled "Early Preparedness Actions to Reduce Disaster Risks"

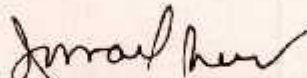
6.0 Annexes

- 6.1. Annex "A": Rainfall Forecast per Province in % of Normal (July-December 2016)
- 6.2. Annex "B": Monthly Rainfall Forecast (July-December 2016)
- 6.3. Annex "C": Tropical Cyclone Forecast (July-December 2016)

7.0 Effectivity

This Memorandum Circular shall take effect immediately.

8.0 Approving Authority


ISMAEL D. SUENO
Secretary



9.0 Feedback

For related queries, kindly contact the Central Office Disaster Information Coordinating Center (CODIX) at Tel Nos. (02) 928 7281 or at email address at dilgcodix@gmail.com.

BLES:PCMD
MRF:CAV

RAINFALL FORECAST PER PROVINCE IN % OF NORMAL (JULY- DECEMBER 2016)



Payong
PAGASA



FORECAST RAINFALL in Percent of Normal (JULY-DECEMBER 2016) as of June 30, 2016

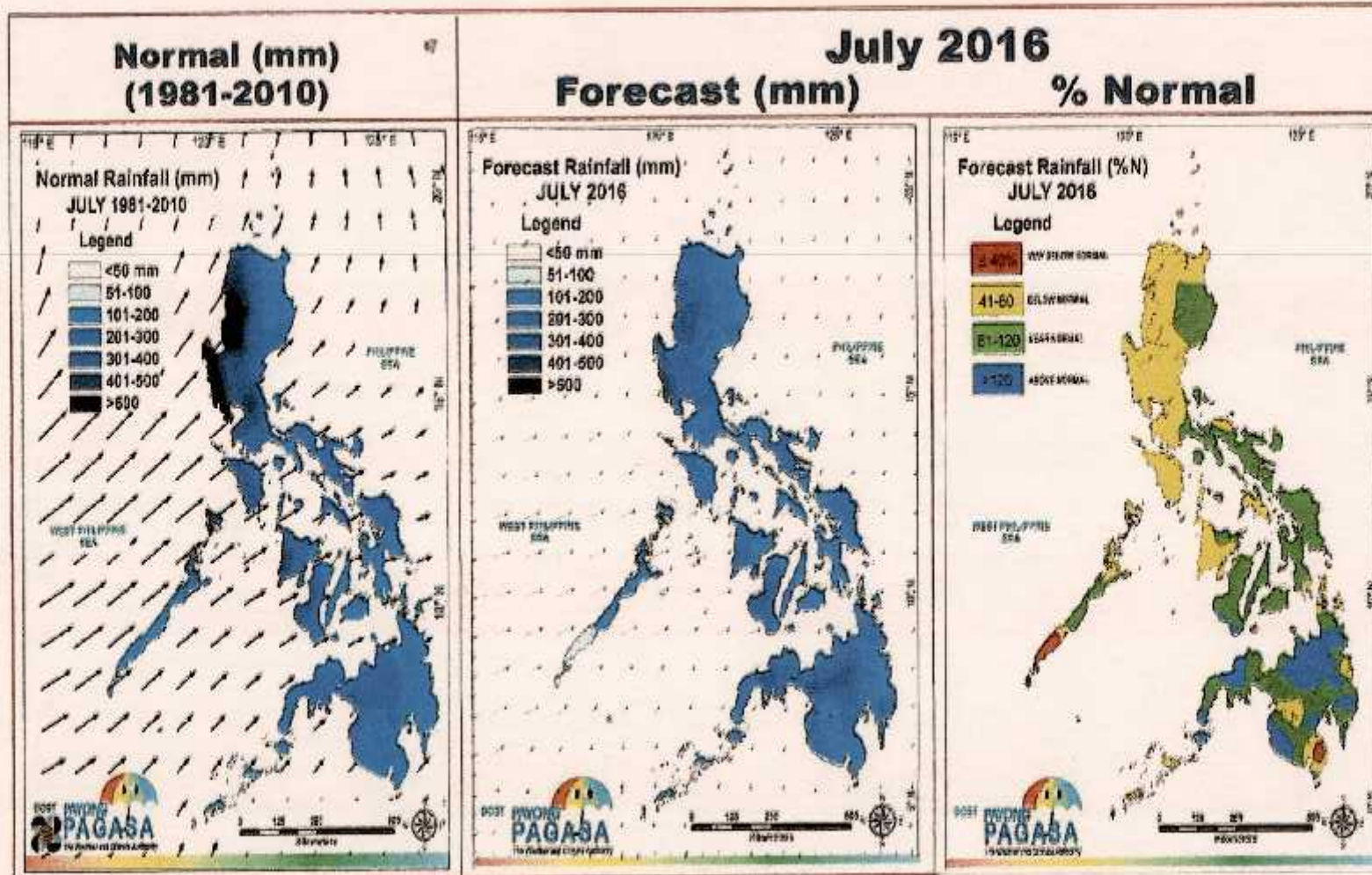
PROVINCE	JUL	AUG	SEP	OCT	NOV	DEC
CORDILLERA ADMINISTRATIVE REGION (CAR)						
ABRA	66.0	40.9	76.6	66.8	24.7	105.9
BENGUET	57.9	46.3	71.6	92.0	22.9	52.2
IFUGAO	76.4	54.0	88.8	111.5	67.3	145.1
KALINGA	73.5	54.5	87.4	102.9	82.9	206.1
APAYAO	67.3	50.6	89.3	101.8	99.8	283.6
MOUNTAIN PROVINCE	68.1	51.2	81.3	100.1	58.8	131.2
REGION I						
ILOCOS NORTE	52.8	40.2	69.0	62.6	37.0	112.6
ILOCOS SUR	56.2	41.2	76.6	70.8	17.7	84.0
LA UNION	59.1	43.5	77.5	100.0	26.0	105.4
PANGASINAN	66.9	52.6	82.4	123.0	29.0	102.2
REGION II						
BATANES	67.1	44.4	96.4	113.1	95.7	106.0
GAGAYAN	71.9	66.7	81.8	108.4	119.3	171.6
ISABELA	66.0	73.4	104.4	127.2	113.6	163.9
NUOVA VIZCAYA	67.0	60.9	92.8	119.6	47.7	60.7
QUIRINO	61.5	83.4	107.4	136.3	93.1	147.7
REGION III (CENTRAL LUZON)						
BATAAN	66.9	46.0	97.9	166.9	46.1	189.3
BULACAN	60.4	58.1	104.0	143.9	56.6	66.0
NUOVA ECIIA	64.9	79.6	107.4	162.0	46.4	83.3
PAMPANGA	59.6	57.1	99.5	160.7	51.5	179.9
TARLAC	63.0	68.8	96.7	184.9	26.4	104.1
ZAMBALES	61.8	48.1	92.2	166.2	27.2	176.6
AURORA	76.7	102.3	109.6	143.7	89.9	110.4
NATIONAL CAPITAL REGION						
METRO MANILA	53.6	50.4	111.3	146.2	63.8	116.7
REGION IV-A (CALABARZON)						
BATANGAS	64.9	57.5	103.7	153.5	94.6	88.4
CAVITE	54.4	42.9	111.2	151.7	71.2	124.8
LAGUNA	66.6	67.2	104.1	142.2	81.2	104.6
RIZAL	56.9	54.2	100.9	141.9	71.0	74.4
QUEZON	66.1	91.1	106.7	141.0	110.0	119.8
REGION IV-B (MIMAROPA)						
MARINDUQUE	91.3	106.7	126.9	134.3	113.3	116.4
OCIDENTAL MINDORO	60.7	75.6	116.8	159.6	76.2	130.6
ORIENTAL MINDORO	69.8	84.7	116.6	147.8	89.0	143.1
ROMBLON	78.5	106.1	116.4	160.2	100.5	136.4
PALAWAN	66.0	97.4	116.1	126.8	104.3	129.1
REGION V (BIGOL)						
ALBAY	91.7	113.9	106.3	145.0	136.9	181.8
CAMARINES NORTE	80.7	126.0	116.7	139.3	126.4	144.1
CAMARINES SUR	96.6	112.9	113.8	147.3	123.0	179.3
CATANQUANES	86.1	147.2	108.5	129.9	140.2	148.6
MASBATE	78.8	112.1	106.7	167.6	126.6	126.3
SORSOGON	88.5	120.0	103.5	137.9	166.6	128.7

FORECAST RAINFALL in Percent of Normal (JULY-DECEMBER 2016) as of June 30, 2016

PROVINCE	JUL	AUG	SEP	OCT	NOV	DEC
REGION VI (WESTERN VISAYAS)						
AKLAN	76.7	101.7	111.5	136.0	110.6	196.0
ANTIQUE	71.0	76.0	118.7	134.8	86.4	187.0
CAPIZ	81.6	102.3	110.9	136.2	112.2	143.6
GLIMARAS	76.5	76.8	102.4	133.4	84.9	164.0
ILOILO	76.6	93.3	108.2	138.1	86.6	138.6
NEGROS ISLAND REGION						
NEGROS OCCIDENTAL	54.0	67.0	103.0	123.4	106.2	206.6
NEGROS ORIENTAL	112.4	113.6	113.6	127.2	102.8	234.6
REGION VII (CENTRAL VISAYAS)						
BOHOL	93.4	113.6	110.8	122.2	113.0	152.6
CEBU	102.6	113.2	108.4	120.5	103.9	166.6
SQUIJOR	30.9	109.7	110.0	123.8	118.7	143.8
REGION VIII (EASTERN VISAYAS)						
BILIRAN	91.6	96.8	113.0	138.4	118.8	106.7
EASTERN SAMAR	101.7	132.6	113.7	123.3	160.5	116.1
LEYTE	92.8	114.2	113.7	131.0	132.4	119.3
NORTHERN SAMAR	96.0	106.5	116.7	141.3	164.2	120.4
SAMAR (WESTERN SAMAR)	93.9	113.8	113.6	129.3	144.3	108.9
SOUTHERN LEYTE	41.0	111.7	112.7	129.4	143.4	126.6
REGION IX (ZAMBOANGA PENINSULA)						
ZAMBOANGA DEL NORTE	126.4	95.1	118.9	132.6	104.1	167.9
ZAMBOANGA DEL SUR	121.4	100.2	114.5	131.8	101.3	160.3
ZAMBOANGA SIBUGAY	108.0	96.6	116.6	131.0	82.9	164.4
REGION X (NORTHERN MINDANAO)						
BUKIONON	160.0	88.7	107.9	130.3	76.3	172.9
CAMIGUIN	107.6	109.6	103.7	116.0	96.3	128.6
LANAO DEL NORTE	104.4	113.4	107.2	112.9	101.3	183.3
MISAMIS OCCIDENTAL	92.3	106.1	108.6	127.9	129.6	155.1
MISAMIS ORIENTAL	141.6	107.0	110.7	114.3	98.8	134.7
REGION XI (DAVAO REGION)						
COMPOSTELA VALLEY	122.7	94.6	109.1	105.8	94.2	85.6
DAVAO	107.3	86.6	102.1	105.9	82.1	109.7
DAVAO DEL SUR	84.2	95.4	98.3	111.4	89.7	136.7
DAVAO ORIENTAL	108.4	87.6	110.1	110.5	101.9	95.3
REGION XII (SOCCSKSARGEN)						
SOUTH COTABATO	103.5	103.6	101.7	128.6	83.0	127.3
COTABATO	82.2	127.2	103.1	118.3	78.9	133.4
SARANGANI	71.4	91.4	97.2	116.7	95.3	140.8
SULTAN KUDARAT	136.5	130.9	105.6	120.4	74.4	116.6
REGION XIII (SARAGA)						
AGUSAN DEL NORTE	142.7	146.1	108.9	117.9	127.3	130.6
AGUSAN DEL SUR	130.6	121.1	107.2	117.9	109.9	106.6
SURIGAO DEL NORTE	76.9	150.7	108.4	129.4	172.0	160.0
SURIGAO DEL SUR	111.7	185.1	108.4	124.2	170.8	152.1
ARMM						
BASILAN	126.9	94.6	123.1	130.2	83.6	188.6
MAGUNDAO	97.7	142.9	103.9	114.9	78.9	117.2
LANAO DEL SUR	112.6	113.4	103.9	103.7	88.6	216.6
SULU	71.7	88.4	120.9	126.2	86.0	141.4

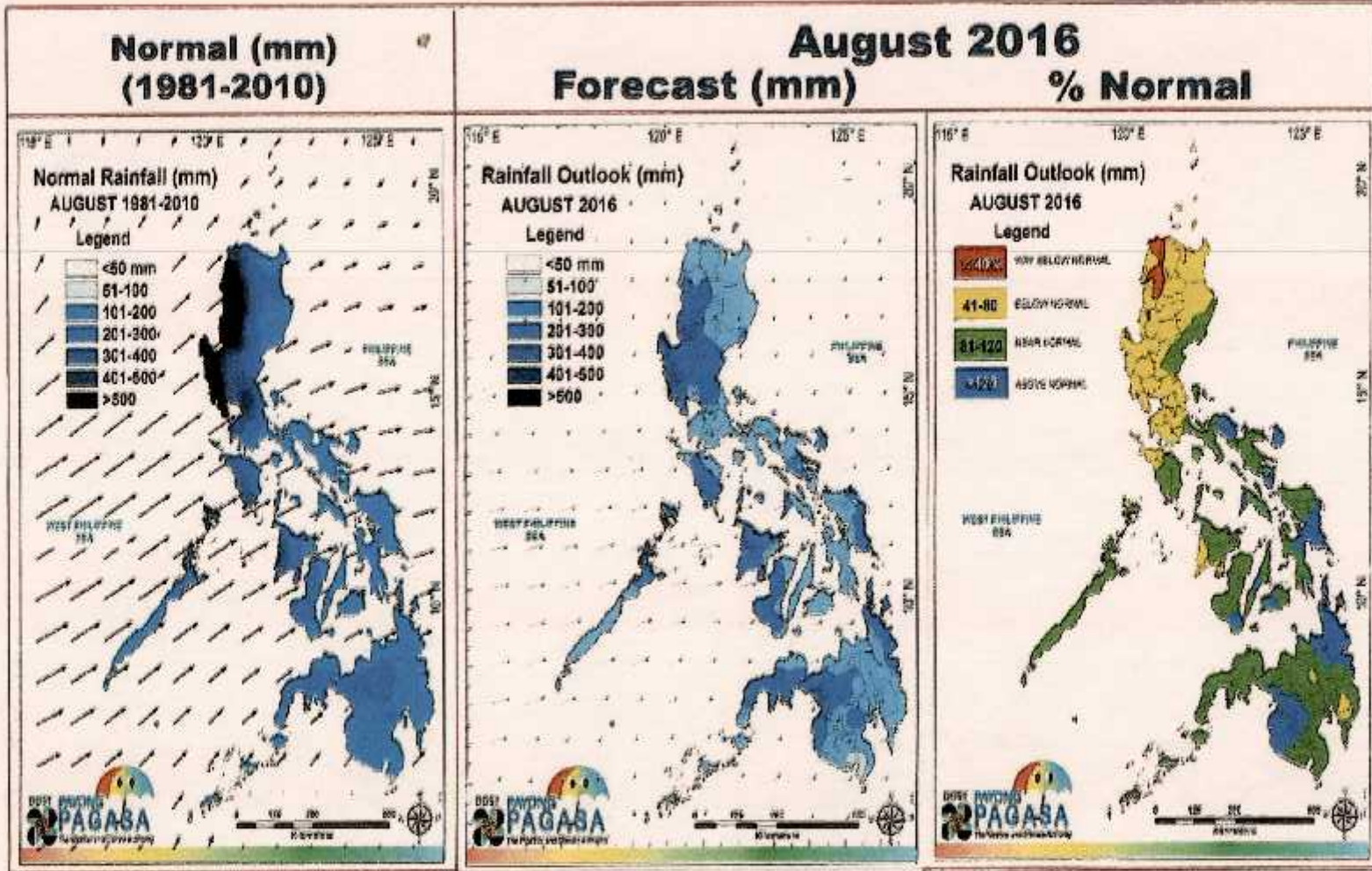


Monthly Rainfall Forecast



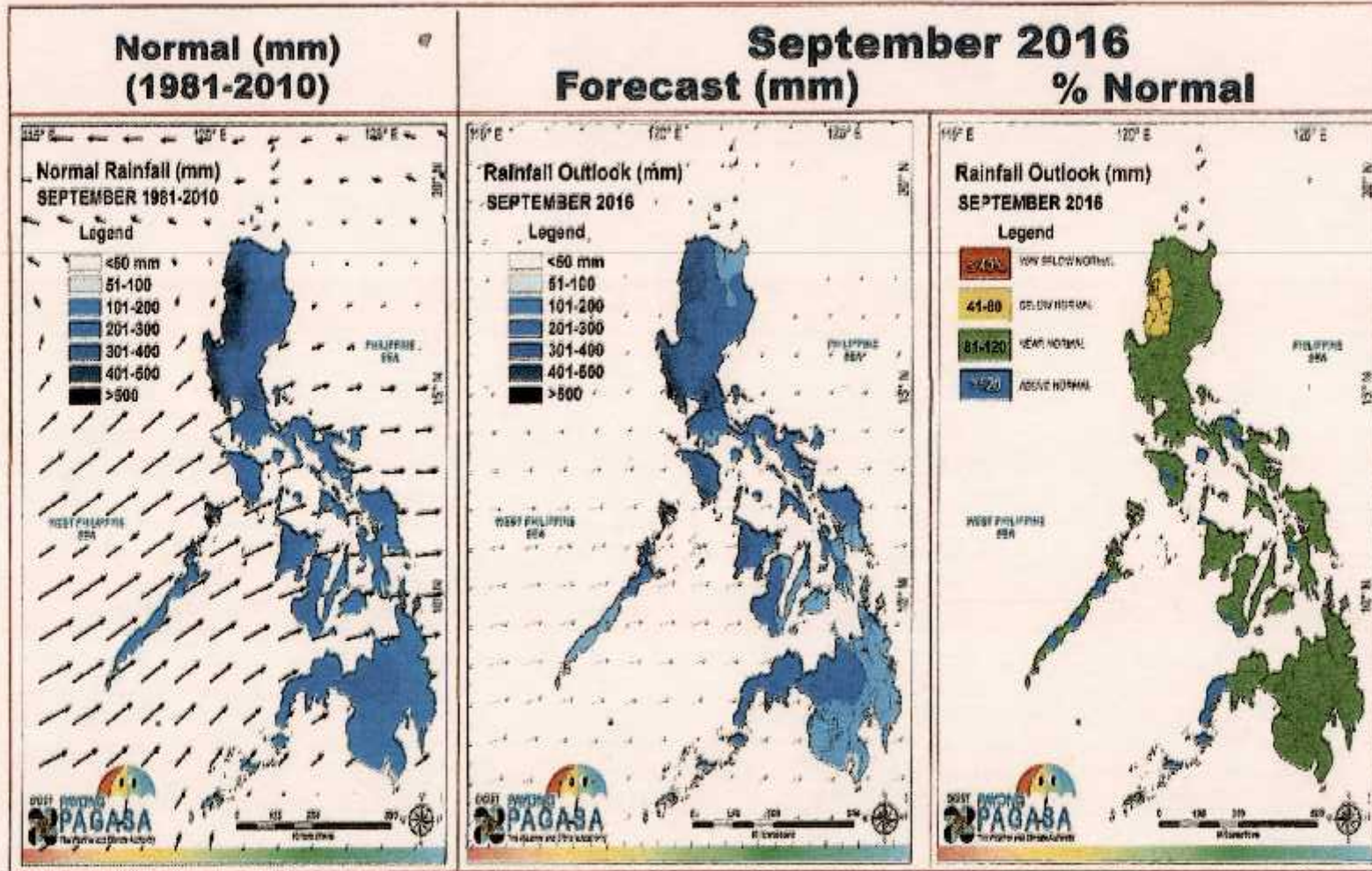
- LUZON – generally below normal rainfall conditions
- VISAYAS AND MINDANAO – near to above normal rainfall

Monthly Rainfall Forecast



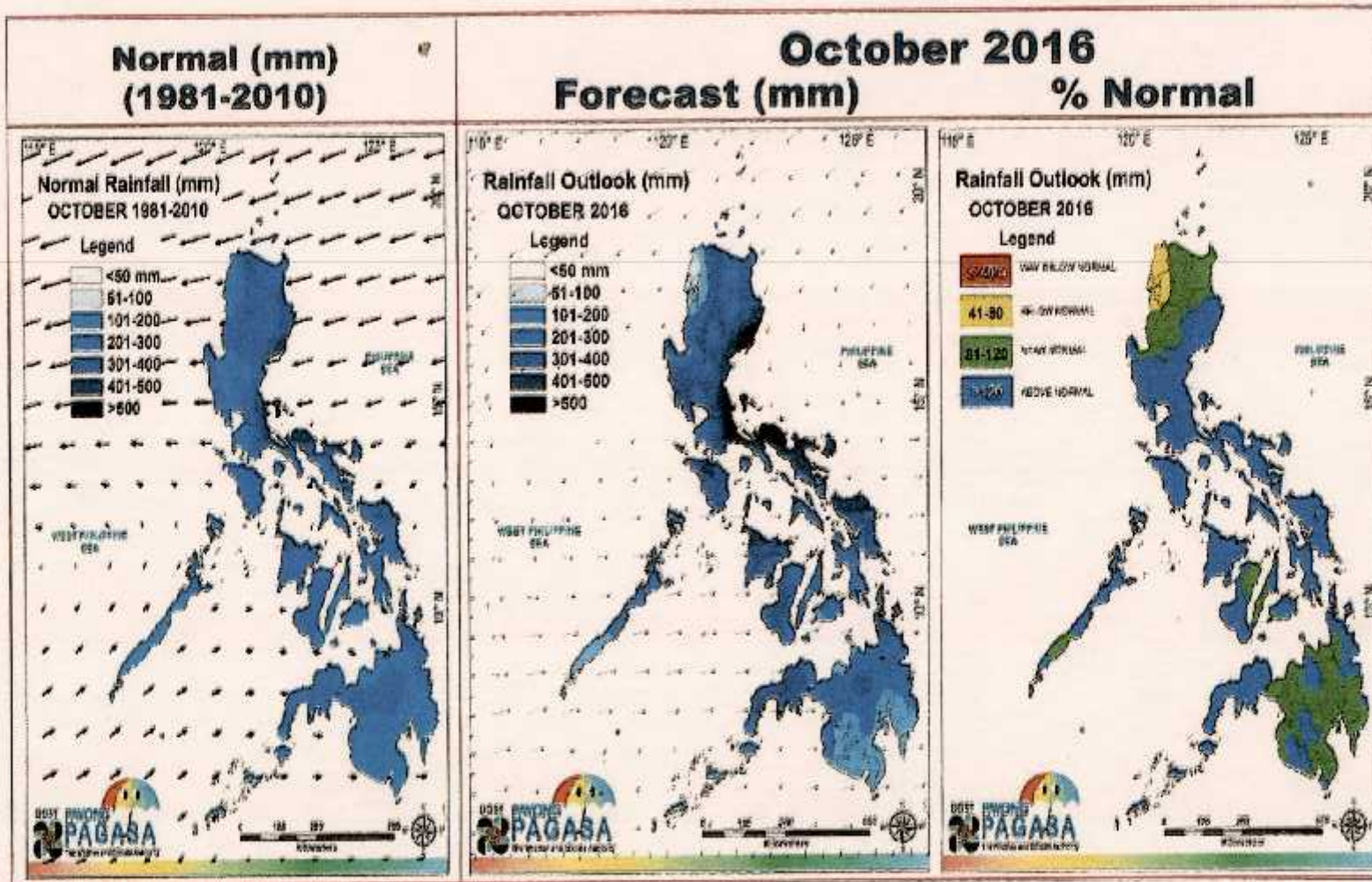
- LUZON – generally below to near normal rainfall conditions
- VISAYAS AND MINDANAO – near to above normal rainfall

Monthly Rainfall Forecast



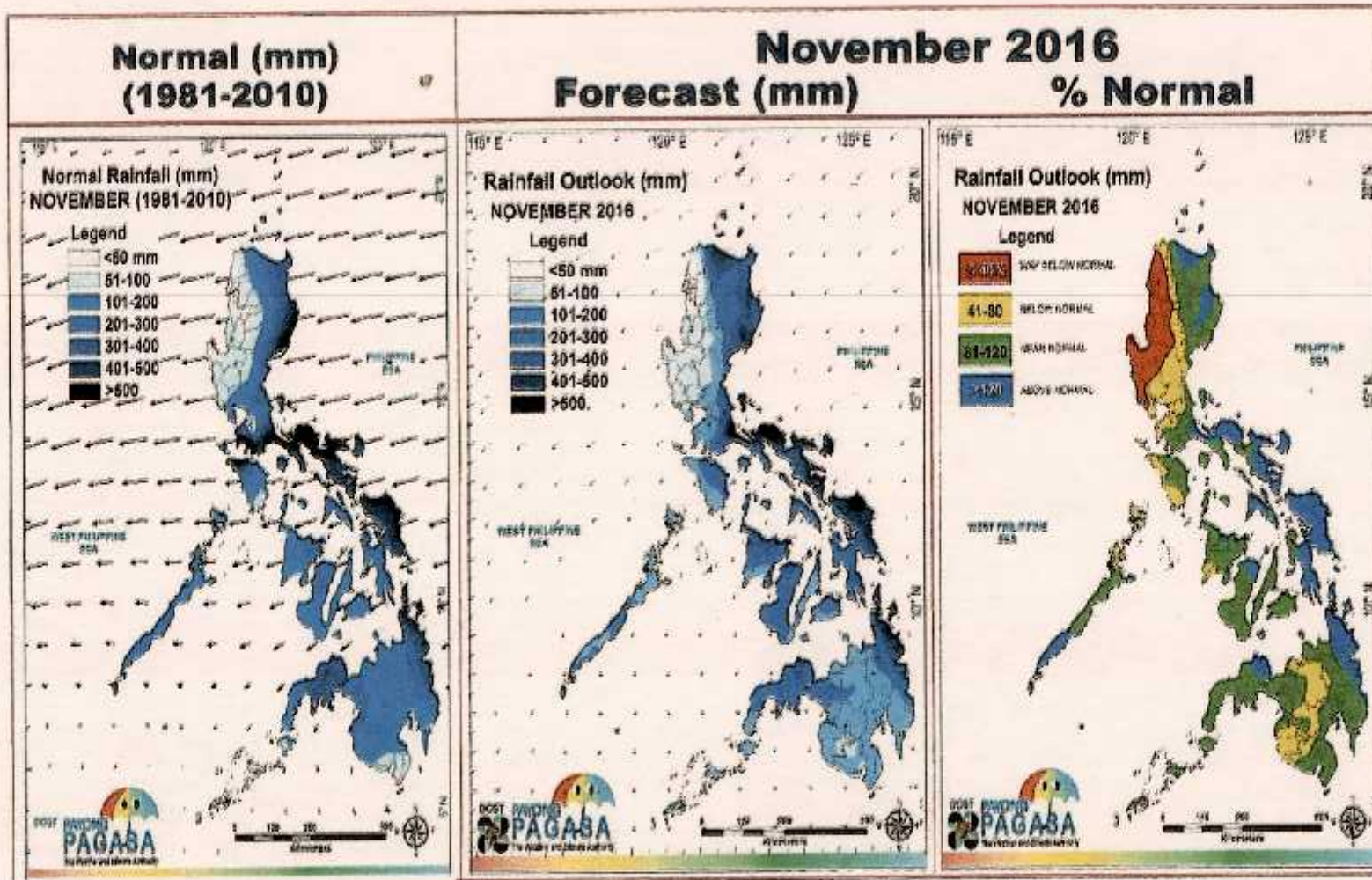
- LUZON – generally near normal rainfall conditions
- VISAYAS AND MINDANAO – near normal rainfall

Monthly Rainfall Forecast



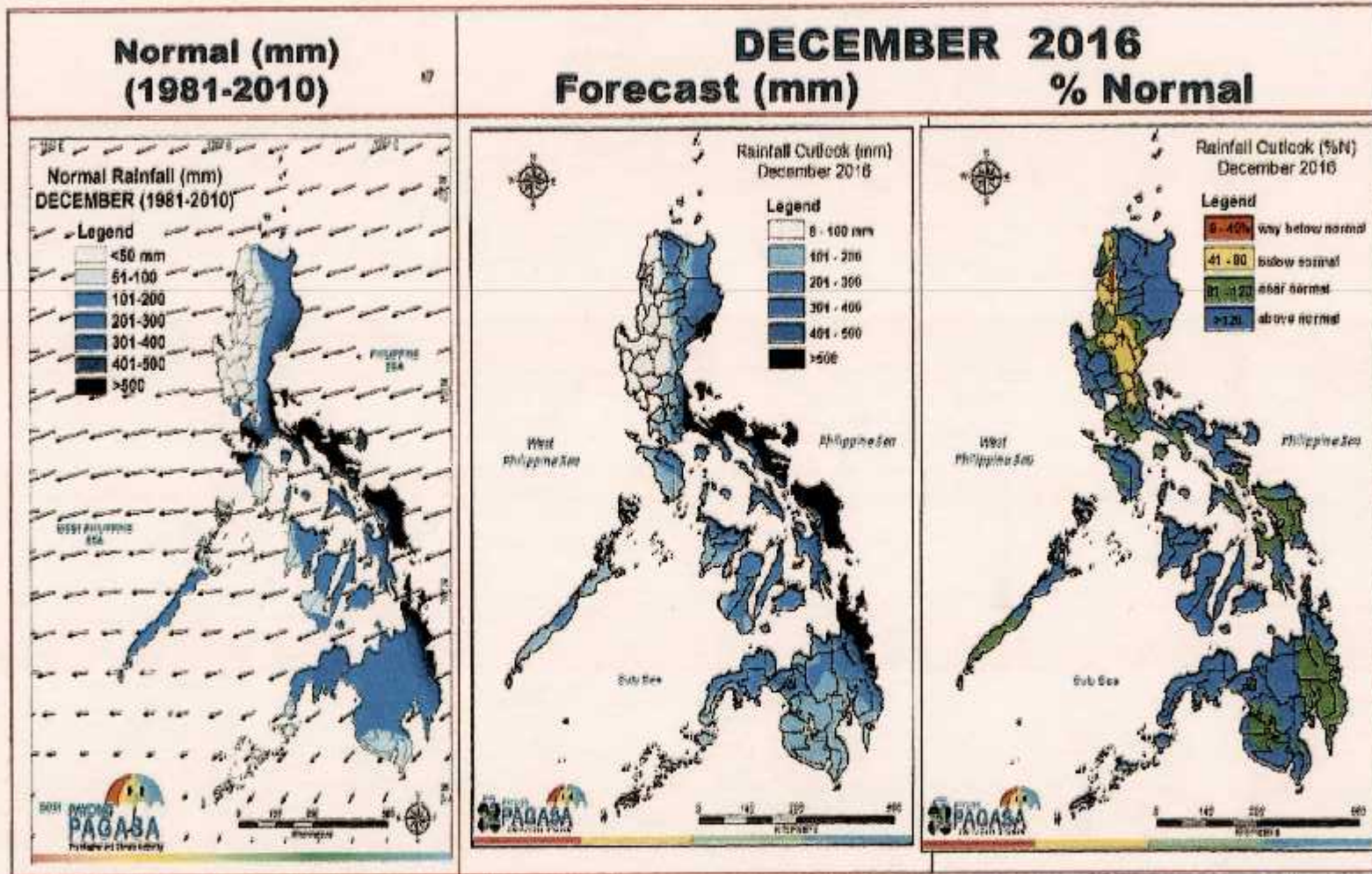
- Whole country – generally near to above normal rainfall conditions

Monthly Rainfall Forecast



- LUZON – generally way below to below normal rainfall conditions
- VISAYAS– near to above normal rainfall conditions
- MINDANAO –below normal rainfall in some parts of
- SOCCSKARGEN: near normal to above normal rainfall conditions in most parts of Mindanao

Monthly Rainfall Forecast



- **WHOLE COUNTRY** – will likely experience near to above normal rainfall conditions, indicative of likely impacts of La Nina



Tropical Cyclone Forecast

MONTH	Number of TC
JULY 2016	1 to 3
AUGUST 2016	2 to 4
SEPTEMBER 2016	2 to 4
OCTOBER 2016	2 to 4
NOVEMBER 2016	1 to 3
DECEMBER 2016	1 to 2