

## *Agrometeorological Bulletin No.20, Dekad 2, July (11-20) 2017*

*GMET/AGROMET/110717*

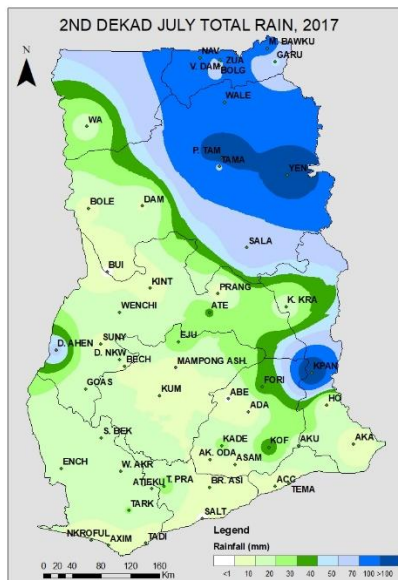
*FORM 910*

### **SUMMARY:**

The agrometeorological bulletin for the second dekad of July, 2017 is presented in this edition. Rainfall values continues to increase over the entire country with the highest rainfall total value of 152.6 mm recorded at Pong Tamale. There is an interesting shift of the dominant rainfall region from the South Western side during the past dekad to the North Eastern side of the country in the present dekad. The rainfall distribution across the country in this dekad remains generally very good and suitable for agricultural activity. Almost every part of the country received rainfall. Surplus rainfall was recorded at the North Eastern side of the country while most regions around the middle and south western side had a deficit. The entire country generally had fair temperatures. The region with the highest mean maximum temperature remained at Navrongo with a value of 32.4 °C while the region with the mean minimum temperature also remained at Abetifi with the value of 20.19 °C.

### **1.0 RAINFALL TRENDS**

#### **1.1 Rainfall Amount**

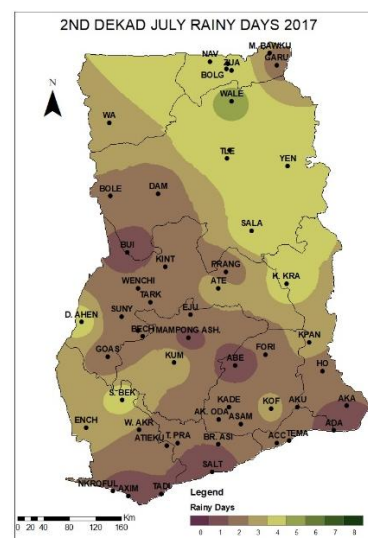


**Fig 1: Rainfall Amount**

**Fig 1** High rainfall values varying between 1.6 and 152.6 mm were recorded over the entire country. The highest amount of rainfall was recorded at Pong Tamale with

a rainfall amount of 152.6 mm. This was followed by Kpando (139.4 mm) and Yendi (120.9 mm). A lowest value of 0.1 mm was recorded at Saltpond. Unlike the previous dekad, the North Eastern side of the country recorded the highest rainfall amount within this dekad.

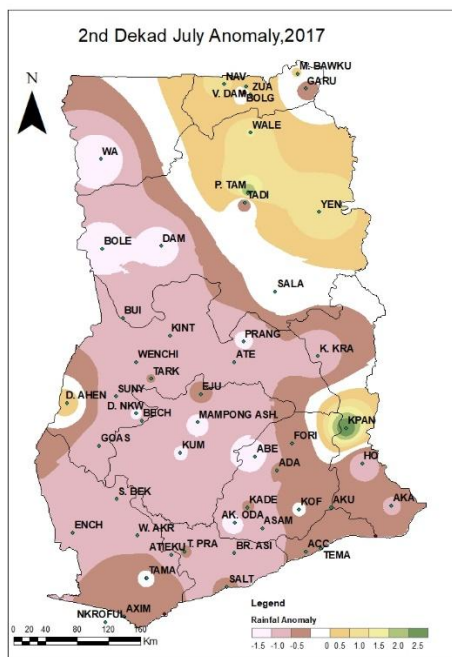
#### **1.2 Number of Rainy Days**



**Fig 2: Rainy Days**

**Fig 2** shows the distribution of rainfall across the country. The highest number of rainy days was 5 and this was seen in Wale, followed by Yendi, Zuarungu, Salaga, Pong Tamale, Dormaa Ahenkro, Ve a Dam and Sefwi-Bekwai all having a number of 4 rainy days. Places such as Akim Oda, Forifori, Garu, Goaso and Ho had the minimum of 1 day each. This rainfall distribution is generally suitable for crops especially rain-fed agricultural crops.

### 1.3 Rainfall Anomaly



**Fig 3:** Rainfall Anomaly

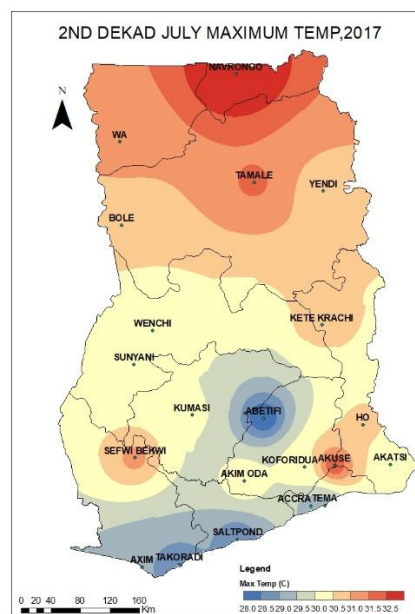
The rainfall anomaly during the 2<sup>nd</sup> dekad indicates a surplus in the North Eastern parts of the country while most parts of the South Western and middle regions of the country had a deficit. Stations such as Pong Tamale, Tamale, and Kpando recorded a surplus while the stations at Wa, Damango, Bole Prang and Mampong recorded a deficit.

## 2.0 TEMPERATURE TRENDS

### 2.1 Mean Maximum Temperature

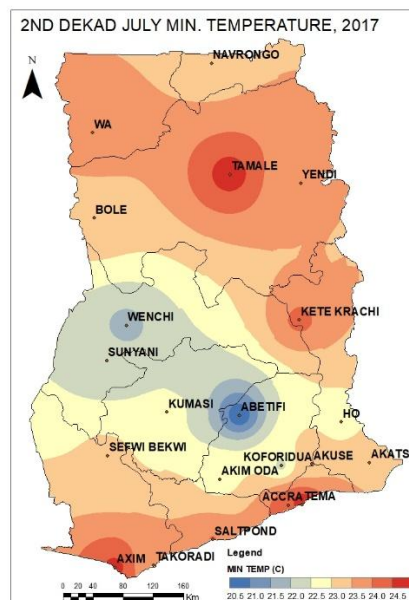
**Fig 4** shows the mean maximum temperatures over the country for the period. The highest mean maximum

temperature over the country was 32.4 °C recorded at Navrongo in the north. While Abetifi recorded the lowest of 27.5 °C which is however 0.5 °C higher than the previous dekad. The value over Axim also increased from 27.6 °C in the past dekad to 28.5 °C. Temperatures over the entire country therefore appears to have increased from the previous dekad.



**Fig 4:** Maximum Temperature

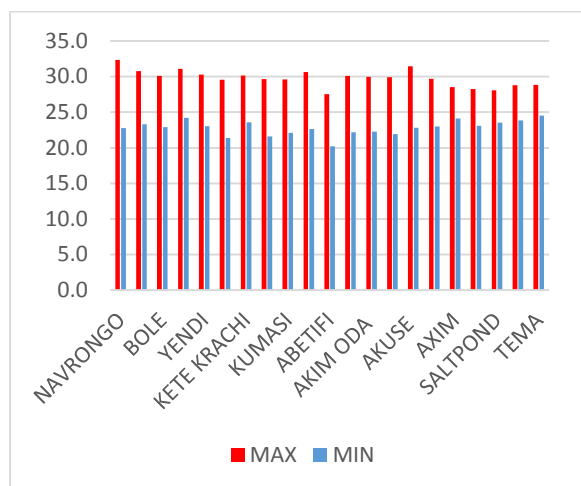
### 2.2 Mean Minimum Temperature



**Fig 5:** Minimum Temperature

**Fig 5** The highest mean minimum temperatures over the country for the 2<sup>nd</sup> dekad of July were recorded at Tema, Tamale and Axim with values of 24.5 °C, 24.2 °C and 24.11 °C. Abetifi remains the station with the lowest mean minimum temperature with a value of 20.19 °C.

### 2.3 Temperature Distribution



### TABLE OF STATIONS

.	STATION
A. FOSU	Assin Fosu
A. ODA	Akim Oda
A. SWE	Agona Swedru
ABET	Abetifi
ACC	Accra
ADA	Ada
AKATSI	Akatsi
AS. BEK	Ashanti Bekwai
ASAM	Asamankese
ASANKRA	Asankragua
ATEB	Atebubu
AXIM	Axim
BECH	Bechem
BIBIA	Bibiani
BOLE	Bole
BOLG	Bolgatanga
BUI	Bui
D. AHEN	Dormaa Ahenkro

DAM	Damango
DUNK	Dunkwa
EJURA	Ejura
ELUB	Elubo
GARU	Garu
GOA	Goaso
HO	Ho
K. DANSO	Kwame Danso
K. KRA	Kete-Krachi
KADE	Kade
KDUA	Koforidua
KINT	Kintampo
KPAN	Kpando
KSI	Kumasi
M. ASH	Mampong Ashanti
M. BAW	Manga Bawku
MIM	Mim
NAV	Navrongo
NKORA	Nkoranza

P. TAM	Pong Tamale
PRANG	Prang
S. BEK	Sefwi Bekwai
S. WIA	Sefwi Wiawso
SAL	Saltpond
SALG	Salaga
SUN	Sunyani
T. PRASO	Twifo Praso
TAM	Tamale
TAR	Tarkwa
TDI	Takoradi
TEMA	Tema
VEA	Veve Dam
WA	Wa
WALE	Wale Wale
WEN	Wenchi
YEN	Yendi
ZUA	Zuarungu

### Fig 6: Temperature Distribution

**Fig 6** shows the temperature distribution across the country and reveals the highest temperature recorded at Navrongo and the lowest at Abetifi.

### 3.0 Weather/ Agricultural Outlook for 3<sup>rd</sup> dekad (21-30), June 2017.

#### 3.1 Weather Outlook

The Inter-Tropical Boundary (ITB) is expected to range between 17.0°N to

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