

Agrometeorological Bulletin No.19, Dekad 1, July (1-10) 2017

GMET/AGROMET/010717

FORM 910

SUMMARY:

The agrometeorological bulletin for the first dekad of July, 2017 is presented in this edition. Most parts of the country recorded significant rainfall amounts. The highest rainfall amount recorded in the 1st dekad was at Elubo in the South Western part of the country with a value of 198.6 mm. The rainfall distribution across the country in this dekad was generally very good and suitable for agricultural activity. Almost every part of the country received rainfall. Most regions in the southern half of the country experienced above normal rainfall anomaly about a 30 year mean in this dekad. On the other hand, rainfall deficits were recorded in most areas of the Northern half of the country. The entire country generally had fair temperatures with the highest maximum temperature observed at Navrongo (31.7 °C) while the mean minimum temperature recorded at Abetifi (20.8°C).

1.0 RAINFALL TRENDS

1.1 Rainfall Amount

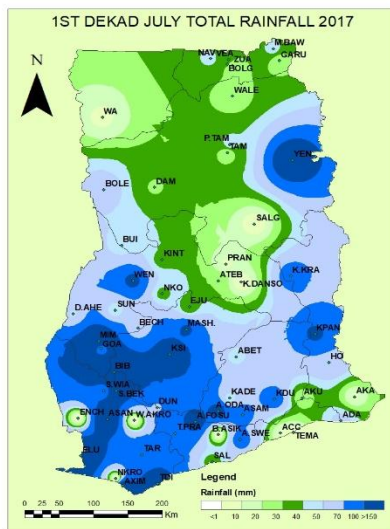


Fig 1: Rainfall Amount

Fig 1 reveals the rainfall received across the country and shows that most parts of the country recorded very high rainfall values. The rainfall values vary between 2.6 mm and 198 mm. The highest amount of rainfall was recorded at Elubo with a value of 198.6

mm. The lowest value of 2.6 mm was recorded at Salaga. The highest mean rainfall value over the entire country in this dekad was recorded at Salaga.

1.2 Number of Rainy Days

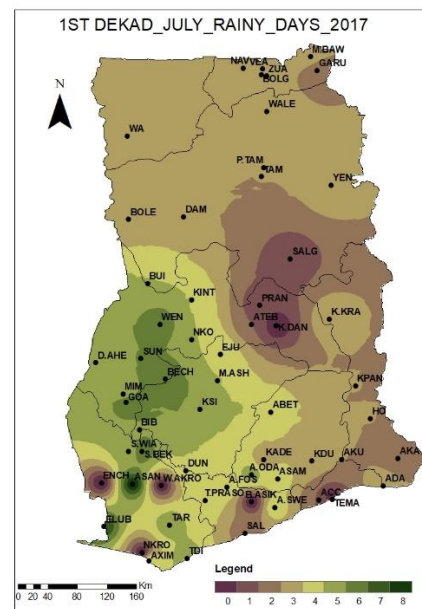


Fig 2: Rainy Days

Fig 2 shows the number of rainy days recorded in this dekad across the country. Asankragua and Elubo had the highest number of rainy days which were 9 and 8 days respectively. Prang and Salaga had only 1 day of rain. This rainfall distribution is generally suitable for crops especially rain-fed agricultural crops.

1.3 Rainfall Anomaly

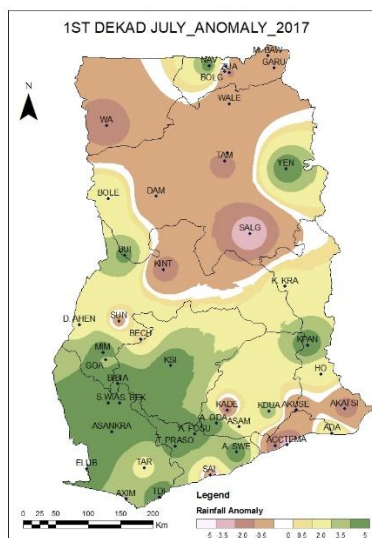


Fig 3: Rainfall Anomaly

The rainfall anomaly during the 1st dekad indicates a surplus in most of the southern half of the country especially the South Western parts. Stations such as Elubo, Asankragua, Twifo-Praso, Sehwi-Bekwai and Kumasi recorded the highest anomaly values for the first dekad of July about the 30 year mean. On the other hand Salaga, Tamale, Wa and Kintampo in the northern half had deficits.

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 (31.7 °C) was recorded at Navorongo in the north. While Axim and Abetifi in the southern half recorded the lowest values of 27.6 °C and 27.0 °C respectively. The northern part of

the country generally records the highest temperatures while the south western part of the country records the lowest.

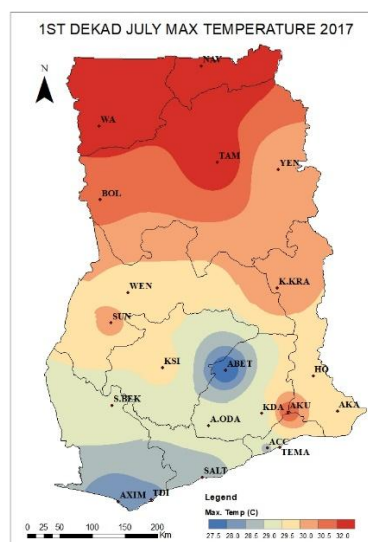


Fig 4: Maximum Temperature

2.2 Mean Minimum Temperature

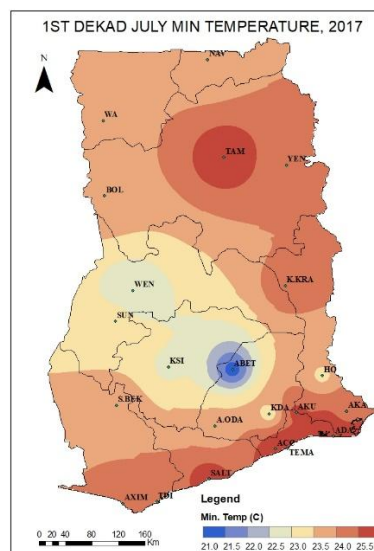


Fig 5: Minimum Temperature

Fig 5 The highest mean minimum temperatures over the country for the 1st dekad of July were recorded at Ada (25.4 °C) and Tema (24.8 °C) at the east coast of the country followed by Tamale (24.5 °C) in the North. The lowest mean minimum temperatures are however recorded in the middle portions of the country with Abetifi recording the lowest of 20.8 °C.

2.3 Temperature Distribution

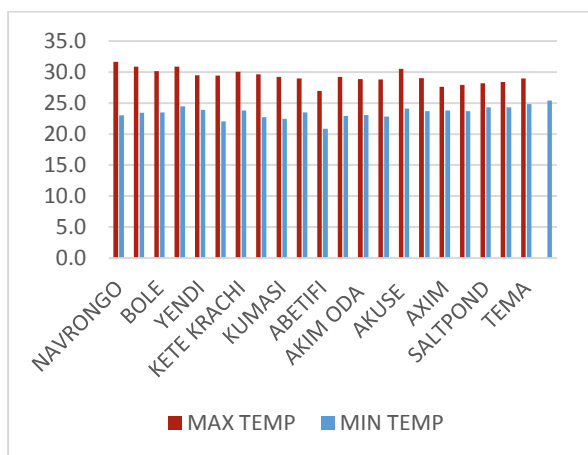


Fig 6: Temperature Distribution

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

TABLE OF STATIONS

ABBREVIATION	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	Vea Dam
WA	Wa
WALE	Wale Wale
WEN	Wenchi
YEN	Yendi
ZUA	Zuarungu

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