



1.0 Station history of The Gambia Meteorological Network & rainfall stations

The Gambia Meteorological Services used to operate fifteen (15) Weather Observing stations covering all the regions in the country, but these were reduced to ten (10) in 2008. As of now, the department operates ten (10) Synoptic weather stations, one (1) Marine Automatic Weather Station and 25 rainfall measuring stations.

1.1 Part 1: Recorded Rainfall in millimetres (mm) for APRIL-MAY-JUNE 2016.

Station	R_tot	Normal 1981-2010	R_Max	R_Max_date	R_Min	R_Min_date
anjul	15.2	55.9	15.2		TR	
ndum rport	9.8	75.4	9.8	27th-June	TR	27th-May
erewan	33.9	70.1	22.1	27th-June	0.4	31th-May
anor	49.6	73.3	29.8	30th-June	TR	27th-May
ur	42.4	70.8	27.9	27th-June	0.2	27th-May
noi	82.3	80.7	72.5	27th-June	TR	26th-May
pu		106.6				
njanbureh	47.3	94.8	15.5	27th-May	1.1	31th-May
sse	88.3	39.2	31.5	27th-June	TR	19th-May
toto	39.1	112.9	12.9	26th-June	1.4	27th-May
kendik		48.6				
untair		53.5				
gain-Sanjal		73.8				
untaur		100.1				
mbanjelly		52.6				
rang		58.9				
rantaba		74.0				
winella		87.4				
illa		69.4				
jau		75.5				
nkunku		71.5				
banak		65.0				
nkunda		92.3				
nsang		36.0				
resofi		112.5				
ankamang	38.1	92.5	15.2	25 th -june	2.5	30 th -may
robakunda		100.9				
i		45.8				

anjibat		107.6				
rrekunda		49.3				
tukoba		83.4				
ude		97.6				

Figure 1.2: Rainfall distribution

Figure 1 indicates highest rainfall amount of 88.3 millimetres (mm) for April-May-June at Basse . The highest rainfall observed in a day was 72.5 mm and recorded at Jenoi at the Lower River Region, whilst the lowest value recorded in a day is 1.1mm and prevailed at Janjanbureh .From the table 1.2 the lowest value of 9.8 mm for the 3 months was experienced over Yundum. The country average seasonal rainfall during April-may-June stood at 40.7mm 53% above the long term mean (26.6) of 1981-2010 and a surplus of 14.1mm.

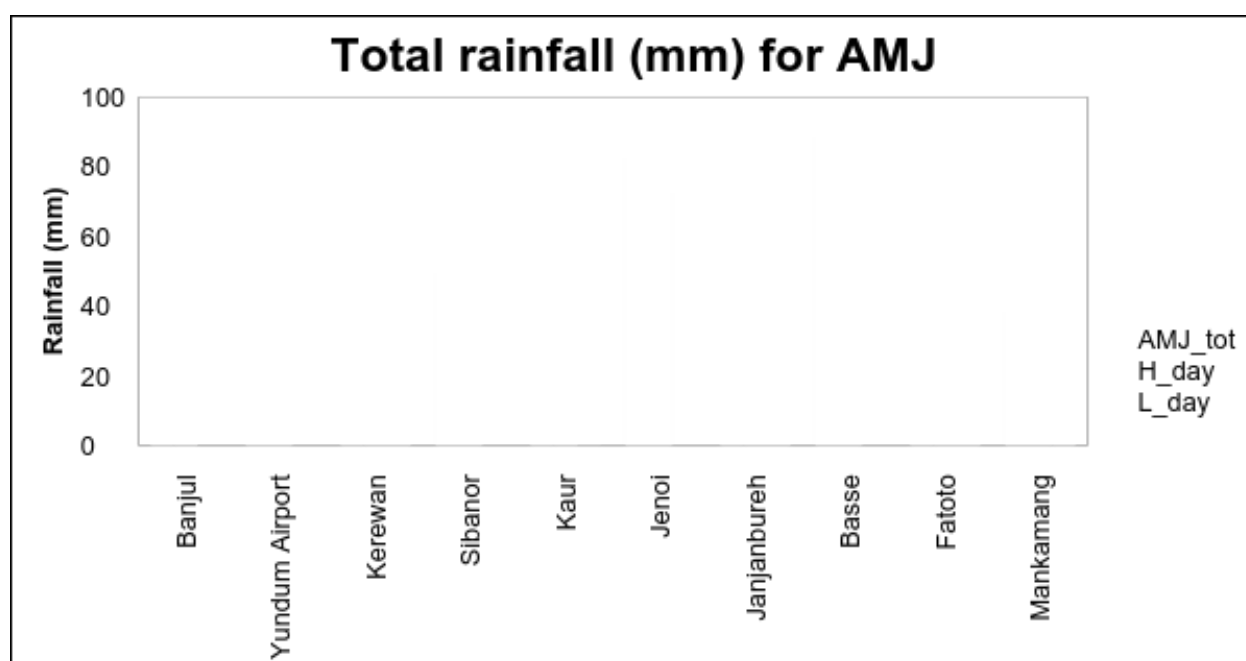


Figure 1: Rainfall(mm) for AMJ 2016

1.3 Part II : Temperature in degrees Celsius (°C) for April, May, June 2016

Station_codes			MeanT-2016	Normal 1981-2010	MeanTmax-2016	Normal Tmax	MeanTmin-2016	Normal Tmin	Ab Tmax-2016	Normal Ab max T	Ab T min-2016	Normal Ab T min
WMO	National	Name										
61711	15003000	Banjul Halfdie/Marina	25.8	28.0	32.6	31.1	18.9	22.0	39.9	31.6	21.5	20.7
61731	15001200	Basse	32.2	27.1	39.8	39.4	25.5	24.9	43.8	41.0	27.4	23.9
61733	15006600	Fatoto disp./met.	32.4	27.2	41.4	39.8	23.2	24.3	44.0	41.4	25.3	23.3
61721	15003900	Georgetown	31.4	27.1	39.9	39.2	22.7	23.7	42.7	40.5	25.7	22.1
61707	15004900	Jenoi	29.8	26.8	38.6	38.6	20.5	22.4	43.2	39.9	23.7	22.1
61717	15000600	Kaur	31.1	27.6	39.5	39.1	22.7	23.0	42.7	40.3	25.4	20.8
61712	15003300	Kerewan	27.5	27.3	38.0	37.6	17.0	21.7	43.9	38.5	20.0	20.0
61722	15006200	Sapu	30.8	26.6	38.7	39.1	23.0	23.4	43.7	40.1	25.5	21.7
61705	15005900	Sibanor	27.8	26.6	36.8	37.2	18.7	21.6	40.1	38.9	22.5	19.6
61701	15005400	Yundum Airport	26.7	26.7	33.2	33.0	20.2	21.5	39.7	33.4	23.7	19.7

1.4 Part III: Relative Humidity in percentage (%) and Wind in metres per second (m/s) for April, May, June 2016.

Station Codes		Name	Relative Humidity (%)				Windspeed (m/s) 2016	
WMO	National		MeanRH 2016	1981-2010	MaxRH 2016	MinRH 2016	Mean	Highest
61711	15003000	Banjul Halfdie/Marina	71	63	88	27	7.2	10
61731	15001200	Basse	58	64	89	13	4.6	16
61733	15006600	Fatoto disp./met.	45	57	81	16	6.9	15
61721	15003900	Georgetown	54	60	89	13	3.5	23
61707	15004900	Jenoi	70	57	92	20	5.3	12
61717	15000600	Kaur	51	52	86	12	7.0	16
61712	15003300	Kerewan	63	59	90	16	7.0	12
61722	15006200	Sapu	47	58	85	8	6.0	17
61705	15005900	Sibanor	61	63	97	22	6.5	15
61701	15005400	Yundum Airport	77	70	93	24	7.3	16

1.5 Part IV: Sunshine (hours) and Evaporation (mm) for April, May, June 2016.

Station codes		Name	Sunshine 2016				Evaporation Class A (mm) 2016	
WMO	National		Total	Normal 1981-2010	Max	Min	Total	Mean
61711	15003000	Banjul Halfdie/Marina	*	*	*	*	*	*
61731	15001200	Basse	284.2	192.2	11.0	4.5	261.2	8.6
61733	16006600	Fatoto disp./met.	252.7	86.7	11.0	5.6	261.9	8.6
61721	15003900	Georgetown	285.4	147.1	12.0	5.9	208.4	6.8
61707	15004900	Jenoi	210.5	181.5	11.0	4.3	246.8	8.1
61717	15000600	Kaur	241.2	99.7	11.0	4.5	276.1	9.1
61712	15003300	Kerewan	262.8	201.8	11.0	4.6	*	*
61722	16006200	Sapu	242.2	125.9	11.0	7.3	256.9	8.4
61705	15005900	Sibanor	247.8	116.5	11.0	1.8	147.8	4.9
61701	15005400	Yundum Airport	274.8	218.5	11.0	4.5	171.0	6.2

2.0 Part V: Climate Report explanations

PREFACE

Selected climatological data of general importance from weather stations in The Gambia has been compiled in this report. Blank spaces indicate either missing or delayed records. If data are missing for one day or several days for one station within the selected period, the station concern it is marked with an asterix (*). Observed values (OBS) and the normals (NORM) of these data values from the long period averages are given for the following elements:

- Average air temperature
- Rainfall
- Relative Humidity
- Sunshine
- Interpolated map for rainfall is included.

EXPLANATION OF TABLES

- Rainfall (mm) amount is measured every six hours using a standard rain gauge placed 80cm above ground level. The Total rainfall amount for any given day is the cumulative or accumulated six hourly rainfall amounts. A Rainy day is defined as a day with a total rainfall amount equal or more than 1mm.
- Air Temperature (°C) observations are made from thermometers exposed in Stevenson Screens, 1.25 metres above the ground. The Maximum and Minimum Temperature (°C) observed/obtained, indicates the highest and lowest temperatures during the specified period.
- Relative Humidity is derived from the readings of the dry and wet bulb thermometers and expressed in Percentage (%).
- Sunshine Duration is measured using a Campbell-Stokes Tropical Sunshine Recorder and is recorded in hours.
- Actual Evaporation is determined from a Class A Pan and measured in millimetres (mm).
- Wind speed is read from a Cup Counter Anemometer mounted 10 metres above the ground and read in knots. It can also be converted to metres per second (m/s) or kilometre per hour (km/h).

Abbreviations:

- MeanT : Mean Temperature
- Mean Tmax : Mean Maximum Temperature
- Mean Tmin : Mean Minimum Temperature
- Highest M T: Highest Maximum Temperature
- Lowest M T: Lowest Minimum Temperature
- AMJ_tot: Total for April-May-June
- H_day: Highest observed in a day
- L_day: Highest observed in a day

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Department of Water Resources

7 Marina Parade

Banjul, The Gambia

Telephone: 00 (220) 422-7631/4222-872/422-4122

Fax: 00 (220) 422-5009

<http://www.mofwrnam.gov.gm>

E-mail: info@mofwrnam.gov.gm; infoclimate@gmail.com