

**Data Set Number 195: Katanga AWS weather data 2001 Daily Output (Fakara, Niger)**

Identification\_Information:

Citation:

Citation\_Information:

Originator: ICRISAT

Publication\_Date: 20020101

Title: Katanga AWS weather data 2001 Daily Output (Fakara, Niger)

Edition: 1

Geospatial\_Data\_Presentation\_Form: tabular digital data

Online\_Linkage: \\Isc-

svr01\GeoNetwork\fakaradatabase\d.fatondji\2001\katanga aws weather data 2001 daily output\Katanga AWS weather data 2001 Daily Output.dbf

Description:

Abstract:

The Kantaga weather station was installed for the first in 2000 when ICRISAT activities started in the Fakara in the form of demonstration of the strategic placement of mineral fertilizer - microdose. The station collect the following information:

1. Total rainfall (mm)
2. Rainfall intensity (mm/s) to be checked
3. Total solar radiation (mj/m2)
4. Air temperature (mini, maxi, average)
5. Air relative humidity (%)
6. Wind direction
7. Wind speed

Purpose: Make available for scientific purpose, relevant weather data to scientist.

Time\_Period\_of\_Content:

Time\_Period\_Information:

Range\_of\_Dates/Times:

Beginning\_Date: 20010101

Ending\_Date: 20011231

Currentness\_Reference: ground condition

Status:

Progress: Complete

Maintenance\_and\_Update\_Frequency: As needed

Spatial\_Domain:

Bounding\_Coordinates:

West\_Bounding\_Coordinate: 2.583333

East\_Bounding\_Coordinate: 2.866667

North\_Bounding\_Coordinate: 13.583333

South\_Bounding\_Coordinate: 13.333333

Data\_Set\_G-Polygon:

Data\_Set\_G-Polygon\_Outer\_G-Ring:

G-Ring\_Point:

G-Ring\_Latitude: 13.53656

G-Ring\_Longitude: 2.81533

Keywords:

Theme:

Theme\_Keyword\_Thesaurus: None

Theme\_Keyword: Weather

Theme\_Keyword: air temperature

Theme\_Keyword: climate

Theme\_Keyword: rain

Place:  
 Place\_Keyword\_Thesaurus: None  
 Place\_Keyword: West Africa  
 Place\_Keyword: Niger  
 Place\_Keyword: Fakara  
 Place\_Keyword: Katanga

Stratum:  
 Stratum\_Keyword\_Thesaurus: none  
 Stratum\_Keyword: 2001

Access\_Constraints: Public domain  
 Use\_Constraints: None  
 Point\_of\_Contact:  
 Contact\_Information:  
 Contact\_Organization\_Primary:  
 Contact\_Organization: ICRISAT  
 Contact\_Person: DOUGBEDJI FATONDJI  
 Contact\_Position: Senior Scientific Officer  
 Contact\_Address:  
 Address\_Type: mailing and physical  
 Address: BP: 12404 Niamey  
 City: NIAMEY  
 Country: NIGER  
 Contact\_Voice\_Telephone: 00227 20722529  
 Contact\_Facsimile\_Telephone: 0022720734329  
 Contact\_Electronic\_Mail\_Address: d.Fatondji@cgiar.org  
 Contact\_Electronic\_Mail\_Address: d\_fatondji@yahoo.com  
 Hours\_of\_Service: Monday to Friday, From 8H am to 16H pm z+1  
 Contact\_Instructions: Prefer contact by email address

Data\_Set\_Credit: Bruno Gerard ICRISAT Sahelian Center, PO BOX 12404  
 Native\_Data\_Set\_Environment: Microsoft Excel; dBASE; Text; ESRI  
 ArcCatalog 9.0.0.535

Data\_Quality\_Information:  
 Attribute\_Accuracy:  
 Attribute\_Accuracy\_Report: Automatic data collection with Campbell Scientific weather station  
 Quantitative\_Attribute\_Accuracy\_Assessment:  
 Attribute\_Accuracy\_Explanation: The data are collected with sensors that are mounted on the station. They generate signals that are converted into numbers through a Campbell Scientific data logger  
 Lineage:  
 Process\_Step:  
 Process\_Description: Every three months, Data are loaded from weather station to computer which has Datalogger program. Data are stored in tables such as listed in Dataset Overview. The data files are compatible to both txt and excel extentions

Spatial\_Data\_Organization\_Information:  
 Direct\_Spatial\_Reference\_Method: Point  
 Point\_and\_Vector\_Object\_Information:  
 SDTS\_Terms\_Description:  
 SDTS\_Point\_and\_Vector\_Object\_Type: Point

Entity\_and\_Attribute\_Information:  
 Detailed\_Description:  
 Entity\_Type:  
 Entity\_Type\_Label: Katanga AWS weather data 2001 Daily Output  
 Attribute:  
 Attribute\_Label: OID  
 Attribute\_Definition: Internal feature number.

Attribute\_Definition\_Source: ESRI  
 Attribute\_Domain\_Values:  
 Attribute:  
   Attribute\_Label: Code  
   Attribute\_Definition: Array Id 139  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: Year  
   Attribute\_Definition: Year  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: Jday  
   Attribute\_Definition: Day of Year  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: H  
   Attribute\_Definition: Hour Minute  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: Tavg  
   Attribute\_Definition: Average Air Temperature C  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: TMAX  
   Attribute\_Definition: Max Air Temperature C  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: TMIN  
   Attribute\_Definition: Min Air Temperature C  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: VPAVG  
   Attribute\_Definition: Average Vapor Pressure (kPa)  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: VPMAX  
   Attribute\_Definition: Max Vapor Pressure (kPa)  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: VPMIN  
   Attribute\_Definition: Min Vapor Pressure (kPa)  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: RA  
   Attribute\_Definition: Total Solar (MJ/m2)  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: ET  
   Attribute\_Definition: ETo - (mm/day)  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: WSMAX  
   Attribute\_Definition: Max Wind Speed m/s  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: WSAVG  
   Attribute\_Definition: Average Wind Speed m/s

Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: RAIN  
   Attribute\_Definition: Total Rain Fall mm  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: MAXBAT  
   Attribute\_Definition: Max Battery Voltage  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: MINBAT  
   Attribute\_Definition: Min Battery Voltage  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: MAXCRT  
   Attribute\_Definition: Max CR10 Temp C  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: MINCRT  
   Attribute\_Definition: Min CR10 Temp C  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Attribute:  
   Attribute\_Label: PROGSIGN  
   Attribute\_Definition: CR10 Program Signature  
   Attribute\_Definition\_Source: DOUGBEDJI FATONDJI  
 Overview\_Description:  
   Entity\_and\_Attribute\_Overview:  
     The dataset is known and identified by: ''1440 Minute Output  
 (Code 139)'' and contains the following attributes:  
   Code: Array Id 139  
   Year: Year  
   Jday: Day of Year  
   H: Hour Minute  
   Tavg: Average Air Temperature C  
   Tmax: Max Air Temperature C  
   Tmin: Min Air Temperature C  
   Vpavg: Average Vapor Pressure (kPa)  
   Vpmax: Max Vapor Pressure (kPa)  
   Vpmin: Min Vapor Pressure (kPa)  
   Ra: Total Solar (MJ/m2)  
   ET: ETo - (mm/day)  
   Wsmax: Max Wind Speed m/s  
   Wsaveg: Average Wind Speed m/s  
   Rain: Total Rain Fall ? mm  
   MaxBat: Max Battery Voltage  
   MinBat: Min Battery Voltage  
   MaxCRT: Max CR10 Temp C  
   MinCRT: Min CR10 Temp C  
   Prosign: CR10 Program Signature  
 Distribution\_Information:  
   Distributor:  
     Contact\_Information:  
       Contact\_Position: ICRISAT SAHELIAN CENTER  
       Contact\_Address:  
         Address\_Type: mailing and physical  
         City: NIAMEY  
         Country: NIGER

Contact\_Voice\_Telephone: 0022720722529  
 Contact\_Voice\_Telephone: 0022720722626  
 Contact\_Facsimile\_Telephone: 0022720734329  
 Contact\_Electronic\_Mail\_Address: icrisatsc@cgiar.org  
 Contact\_Electronic\_Mail\_Address: d.fatondji@cgiar.org  
 Contact\_Electronic\_Mail\_Address: b.gerard@cgiar.org  
 Hours\_of\_Service: 8h00am - 16h00pm z+1  
 Contact\_Instructions: Prefer Email contact  
 Resource\_Description: 1440 Minute Output (Code 139)  
 Distribution\_Liability: Data are public domain. However, Users who  
 need the data should contact ICRISAT via his physical or mailing  
 address.  
 Standard\_Order\_Process:  
   Digital\_Form:  
     Digital\_Transfer\_Information:  
       Format\_Name: dbf  
       Format\_Version\_Number: 4  
       Transfer\_Size: 0.048  
 Metadata\_Reference\_Information:  
   Metadata\_Date: 20070205  
   Metadata\_Contact:  
     Contact\_Information:  
       Contact\_Organization\_Primary:  
         Contact\_Organization: ICRISATSC  
         Contact\_Person: AMADOU M. Laouali  
       Contact\_Position: Consultant  
       Contact\_Address:  
         Address\_Type: mailing and physical address  
         Address: BP: 12404  
         City: NIAMEY  
         Country: NIGER  
       Contact\_Voice\_Telephone: 0022720722529  
       Contact\_Facsimile\_Telephone: 0022720734329  
       Contact\_Electronic\_Mail\_Address: a.m.laouali@cgiar.org  
       Hours\_of\_Service: 8h00am - 16hpm z+1  
       Contact\_Instructions: Email contact  
   Metadata\_Standard\_Name: FGDC Content Standards for Digital Geospatial  
 Metadata  
   Metadata\_Standard\_Version: FGDC-STD-001-1998  
   Metadata\_Time\_Convention: local time  
   Metadata\_Access\_Constraints: Restricted  
   Metadata\_Security\_Information:  
     Metadata\_Security\_Classification: Unclassified  
   Metadata\_Extensions:  
     Online\_Linkage: <http://www.esri.com/metadata/esriprof80.html>  
     Profile\_Name: ESRI Metadata Profile