

AS.ATR42-Base-V2 - Airborne core data version 2

General information

Dataset name: AS.ATR42-Base-V2 - Airborne core data version 2
Created on: 2015-10-30

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

Project(s)

AMMA > AMMA-SOP

Data description

Abstract

Mesures aéroportées pendant la période de mousson.

Observing strategy

Liste des instruments à bord en configuration AVIRAD:

- 2 Pitots scientifiques = Pression dynamique et statique
- FIL FIN Meteo France = Température Rapide (Résistance de platine)
- FILM CHAUD = Eau liquide (Film)
- LYMAN ALPHA AIR = Humidité absolue (Hygromètre)
- ROSEMOUNT 102 E2AL - non dégivrée = Température (Résistance de platine)
- KING PROBE = Eau liquide (Fil chaud)
- JOHNSON-WILLIAMS LWH = Eau liquide (Fil chaud)
- Ucap CORECI = Humidité capacitive (Hygromètre)
- CLIMAT-CIMEL (tête) - S/N 0105-999 = Température de Surface (Thermo-radiatif)
- TEMPERATURE NCAR TYPE = Température Reverse Flow (Résistance de platine)
- ROSEMOUNT 102 BW - dégivrée = Température dégivrée (Résistance de platine)
- VEINE COMMUNAUTAIRE = Aérosols (Veine de Prélèvement)
- GERBER PMV100 S/N 11 = Eau liquide/concentration (Laser)
- OAP230Y

- PMS FSSP 100 = Granulométrie (Spectromètre Laser)
- PMS FAST FSSP 100 = Granulométrie (Spectromètre Laser)

- GENERAL EASTERN 1011B - TD Haut = Point de rosée (Hygromètre)
- GENERAL EASTERN 1011B - TD Bas = Point de rosée (Hygromètre)
- E/R Radio-alti scientifique = Hauteur (Antenne)

- 1 capteur pression UMP40 (étagère gauche) pression totale radome
- 2 capteurs Rosemount 1221 (étagère droite) pressions dynamiques
- 1 capteur Rosemount 1221 (étagère gauche) pression incidence radome
- 1 capteur Rosemount 1221 (étagère gauche) pression dérapage radome

BAIE CHIMIE MOYENNE Masse totale=98,5 kg

- Analyseur CO (TEI41CTI)
- Analyseur O3 (TEI49)

Instrument information

Sensor

Manufacturer: Sextant

Geographic information

ATR42

Location name: ATR42
 Plateform type: AIRCRAFT

Measured parameters

Air Temperature

Parameter name: Air Temperature
 Parameter keyword: Atmosphere > Atmospheric Temperature > Surface Temperature > Air Temperature
 Unit: Degrees Celsius - °C
 Date begin (yyyy-mm-jj): 2006-06-01
 Date end (yyyy-mm-jj): 2006-08-21

Outgoing Longwave Radiation

Parameter name: Outgoing Longwave Radiation
 Parameter keyword: Atmosphere > Atmospheric Radiation > Outgoing Longwave Radiation
 Unit: Watt per square meter - W.m-2

Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

CO concentration

Parameter name: CO concentration
Unit: Not communicated - N.C
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

Ozone concentration

Parameter name: Ozone concentration
Parameter keyword: Atmosphere > Atmospheric Chemistry
Unit: part per million - ppm
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

Incoming Shortwave Radiation

Parameter name: Incoming Shortwave Radiation
Parameter keyword: Atmosphere > Atmospheric Radiation
Unit: Watt per square meter - W.m-2
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

Wind Direction

Parameter name: Wind Direction
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Direction
Unit: degrees - degrees
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

Incoming Longwave Radiation

Parameter name: Incoming Longwave Radiation
Parameter keyword: Atmosphere > Atmospheric Radiation
Unit: Watt per square meter - W.m-2
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

Outgoing Shortwave Radiation

Parameter name: Outgoing Shortwave Radiation
Parameter keyword: Atmosphere > Atmospheric Radiation
Unit: Watt per square meter - W.m-2
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

U wind component

Parameter name: U wind component
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Direction
Unit: meter per second - m/s
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

Liquid Water Content

Parameter name: Liquid Water Content
Parameter keyword: Atmosphere > Precipitation
Unit: kilogramms per cubic meter - kg/m3
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

V wind component

Parameter name: V wind component
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Direction
Unit: meter per second - m/s
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

Air Pressure

Parameter name: Air Pressure
Parameter keyword: Atmosphere > Atmospheric Pressure
Unit: hecto Pascal - hPa
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

Relative humidity

Parameter name: Relative humidity
Parameter keyword: Atmosphere > Atmospheric Water Vapor
Unit: percent - %
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

Wind Speed

Parameter name: Wind Speed
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Speed
Unit: meter per second - m/s
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

W wind component

Parameter name: W wind component
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Direction
Unit: meter per second - m/s
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

Dew Point Temperature

Parameter name: Dew Point Temperature
Parameter keyword: Atmosphere > Atmospheric Temperature > Surface Temperature > Maximum/Minimum Temperature
Unit: Degrees Celsius - °C
Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-21

Data use information

Use constraints: AMMA data policy
Data policy: AMMA data policy
Database: AMMA database
Original data format(s): NASA Ames 1001