

AEROCLO-sA F20 Core Instruments

General information

Dataset name: AEROCLO-sA F20 Core Instruments
Dataset DOI: 10.6096/AEROCLO.1754
Created on: 2018-03-26

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2017-09-05
Date end (yyyy-mm-jj): 2017-09-12

Project(s)

AEROCLO

Geographic information

Falcon 20 Safire

Location name: Falcon 20 Safire
Platform type: F-FALCON 20

Measured parameters

Wind Speed

Parameter keyword: Atmosphere > Atmospheric Winds > Wind Speed
Unit: meters per second - m/s
Date begin (yyyy-mm-jj): 2017-09-05
Date end (yyyy-mm-jj): 2017-09-12

Wind Direction

Parameter keyword: Atmosphere > Atmospheric Winds > Wind Direction
Unit: degrees - degrees
Date begin (yyyy-mm-jj): 2017-09-05
Date end (yyyy-mm-jj): 2017-09-12

Air Temperature

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|--------------------------|--|
| Parameter keyword: | Atmosphere > Atmospheric Temperature > Surface Temperature > Air Temperature |
| Unit: | Degrees Celsius - °C |
| Date begin (yyyy-mm-jj): | 2017-09-05 |
| Date end (yyyy-mm-jj): | 2017-09-12 |

Humidity

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|--------------------------|--|
| Parameter keyword: | Atmosphere > Atmospheric Water Vapor > Water Vapor Indicators > Humidity |
| Unit: | percent - % |
| Date begin (yyyy-mm-jj): | 2017-09-05 |
| Date end (yyyy-mm-jj): | 2017-09-12 |

Atmospheric Pressure Measurements

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|--------------------------|---|
| Parameter keyword: | Atmosphere > Atmospheric Pressure > Atmospheric Pressure Measurements |
| Unit: | hecto Pascal - hPa |
| Date begin (yyyy-mm-jj): | 2017-09-05 |
| Date end (yyyy-mm-jj): | 2017-09-12 |

Data use information

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|------------------|---|
| Use constraints: | This work was supported by the French National Research Agency under grant agreement n° ANR-15-CE01-0014-01, the French national programme LEFE/INSU, the Programme national de Télédétection Spatiale (PNTS, http://www.insu.cnrs.fr/pnts), grants n° PNTS-2016-02 and PNTS-2016-14, the French National Agency for Space Studies (CNES), and the South African National Research Foundation (NRF) under grant UID 105958. The research leading to these results has received funding from the European Union's 7th Framework Programme (FP7/2014-2018) under EUFAR2 contract n°312609". Airborne data was obtained using the F20 Atmospheric Research Aircraft managed by Safire, which is a joint facility of the CNRS, Météo-France and the CNES. |
| Data policy: | AEROCLO data policy |