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# Updating information for Trappes and Reunion

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**GRUAN ICM12**  
**16 november 2020**

# French GRUAN RS

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- Trappes station (West of Paris)
- Trappes is an historic RS station since 1929 (since 1898 for the first sounding balloon)
- GRUAN procedure has started from the beginning of 2018
- All radiosoundings (twice a day : 00/12 UTC)

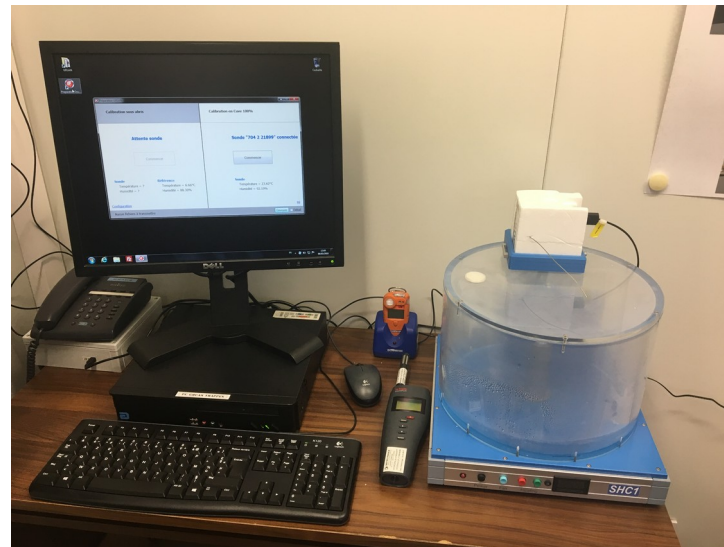
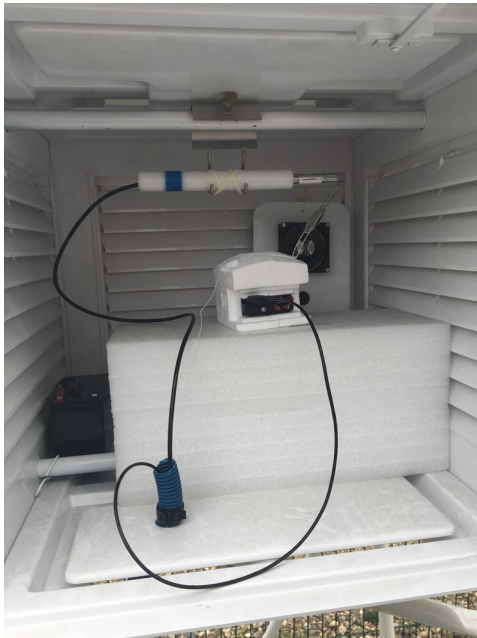


# French GRUAN RS

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## Calibration of 100% humidity

- use of a humidity chamber to produce a saturated humid atmosphere
- data acquisition with an M10 radiosonde for 5 minutes
- sending the acquisition file to the IPSL server with the serial number of the radiosonde



## Calibration with T/U reference sensors

- use of a small ventilated shelter (Stevenson) for the sensors.
- data acquisition from the M10 radiosonde and the HMP110 sensor (Vaisala) for 5 minutes
- sending the acquisition file to the IPSL server with the serial number of the probe





- After the radiosonde is loaded into the robotsonde according to the standard procedure (including the standard groundcheck) while waiting for the radiosounding (sometimes several days later).
- At the end of the radiosounding and after the transmission of the operational RS messages, a raw data and metadata file are sent to the IPSL server.



# French GRUAN RS in Indian Ocean

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- Réunion Island : Automatised RS station since april 2018.
- GRUAN procédures have be installed since october 2019
- Operationnal radiosounding twice a day during cyclonic season and once a day remaining of year

