

Managing the change to the Vaisala RS-41 within GRUAN

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Two change events

- New receiving system: MW41
 - Can be used for RS92 and RS41
 - New file formats
 - Meta data completeness
 - Processing center requires new read routines

- New radiosonde hardware: RS41

- Assure that the data record between RS41 and RS92 remains consistent and homogeneous
- Assure that all meta data and raw data are being collected to be able reprocess the entire data set later

Note: “Better” observations that are inconsistent with the previous record are not better!

- Assure that the data record between RS41 and RS92 remains homogeneous
- Assure that all meta data and raw data are being collected to be able reprocess the entire data set later

Note: Change management is mandatory within GRUAN

Form a task team to:

- Manage this (large scale) change event
- Guarantee that this change does not impact the long term trends

Form a task team to:

- Provide information about the status of the RS41 developments
- Provide guidelines about when to start implementing the change
- Define the proper setup of the new MW41
- Coordinate the set up of the new system to be consistent at all sites
- Coordinate dual launches between RS92 and RS41 at different sites
- Make sure all dual launches are appropriately transmitted and stored in the GRUAN Meta Data Base
- Develop the GRUAN data product for the RS41
- Evaluate impact on the long term time series
- Include all sites that consider switching to RS41 in this task team
- Coordinate activities with the RS92 processing center (Lead Center)