

Provision of site-based ancillary measurements
to the RS92/41 colocation database:
update on Technical Note for guidance to sites

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Purpose of TN

- To guide sites on the ground-based ancillary data that may be submitted alongside Vaisala RS92-RS41 parallel soundings.

- The measurements to be shared should be prepared for a window between 30 minutes before to 2 hours after the time of launch of each radiosonde pair.

- Ancillary measurement instruments for GRUAN Data Products that may be relevant:
 - GNSS
 - MWR
 - FTIR
 - Certain LIDAR measurements
 - Other instruments on the same payload (for example, ozonesonde, CFH/FPH, other manufacturer models)

Data preparation and submission

- Ancillary data preparation for which a GRUAN data stream is already in place (e.g. GNSS-PW), and which is already entered into the GRUAN database and can therefore be queried and extracted, is not necessary.
- For measurement data from systems without a GRUAN data stream or product (e.g. MWR), an ftp channel through which data can be uploaded to the Lead Centre could be provided.
- Sites could list the relevant data sources / links (publicly or GRUAN internally accessible). E.g. BSRN.

Data preparation and submission

- ❑ If ancillary data are not available or distributed on public or GRUAN accessible links, it is proposed that sites should prepare a folder per-launch tagged with the date and time of the launch for as many of the RS92-RS41 parallel launches as possible that they undertook.

➤ **Format:** <site-name>-<date>-<time>)

- ❑ Sites should also create a single readme file and metadata folder that describes what data is made available from the site as a whole and in what format and, if possible, any read routines that may aid usability.

Discussion

- Should this be restricted to the RS92-RS41 parallel soundings?
- Once these data are available as GRUAN data products (for non-GRUAN products), will there be two versions of those data – the site's own version and the GRUAN data?
- How to submit (if not already a GRUAN product)?

Thank you