

Status of Radiosonde fundamental technical document

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Radiosonde fundamental document: status



1 Introduction	7 4 (?) Chapter on main sources impacting the data quality of radiosound- sonde Intention of the document: 63 8.7 Specific data policy related to radiosonde data Data distribution to user community Specific software related to radiosonde data management Cross-dependencies with other instruments – Additional data as input for GRUAN
1.3.3 Documentation	Relevant non-types specific informations of the operation of readings of the operation of t
1.5.5 Pressure	of the data of recent Radiosondes Types A Overview of Basic Specific ons of recent Radiosonde Types A Coverview of Basic Specific ons of recent Radiosonde Types 71 72 7.2 Laboratory work and field experiments 71 72 7.3 Corrections 71
2.2 Global radiosonde network .2.3 Coaction of radiosondes and	28 7.4 Steps and modules of radiosonde data processing creation of a GDP 71 satellite based observations 30 8 Data management 72 trin GCUrrent contributions Supplies the part and interface 75 trin Gradiosondes 34 8 Data management 72 trin Gradiosondes 75 Tujiwara, J. Wang
3 Radiosounding and functions	ts for all principles of radiosondes. 42 43 442 45 46 47 48 48 48 48 48 48 48 48 48
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3.4 Combination of radiosondes	S.5.1 GMDB at LC





- There is extensive existing documentation that will be used as basis for completion of the fundamental document
- Extraction/use of universal (not type-specific) contents about radiosondes
 - RS41 TD (for data product-related contents), also TD for Meisei RS-11G and iMS-100
 - Description of laboratory experiments (AMT paper on radiation error)
 - Further GRUAN documentation





- From the upcoming RS41-TD:
 - Data management (data collection, file formats, processing centres, processing, archiving, data distribution)
 - Concepts/description of basic experiments for sensor characterisation (humidity time-lag, temperature radiation error)
 - Pre-launch procedures including design and evaluation of manufacturerindependent ground checks





• Rigging:

GRUAN-TD-7, v1.0 (2019-01-25):
 "Multiple-payload Radiosonde Sounding Configurations for Determining Best-Practice Guidance for GRUAN Sites"
 Rigging configurations for multiple-payload radiosonde soundings in GRUAN or used during recent international radiosonde inter-comparison campaigns

GRUAN-TN-7, v1.0 (2016-08-12):
 "Rigging Recommendations For Dual Radiosonde Soundings"

Recommendations for the payload configuration for performing dual soundings with two radiosondes

 Lindenberg currently gaining experience with test flights for the WMO intercomparison campaign (rigs with 10 radiosondes)





- Contributions/ideas very welcome
- Contributions from additional authors to distribute the work-load are even more welcome

