

Site metadata

More than site photos



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- Get initial meta-data of sites (GRUAN-TN-3)
- Update of sounding systems in case of changes (radiosonde switch)
- New sounding systems (e.g. automatic launcher)
- Regular information about changes, e.g. operators (few sites)
- Regular site photos → **Example MTS-GN-01 (2023-08-28)**



South



West



North



East

Collected site photos – update



Site	2023	2022	2021	2020	2019	2018	2017
ALC							
BAR							
BEL							
BOU	X		X	X			
CAB							
DAR							
DLG							
DVS							
GRA	X		X				
GVN							
HKO	X	X					
LAU	X	X	X		X		
LIN	X	X	X			X	
MAQ							
MTS	X	X	X	X		X	
NYA	X						
PAY		X					
PMO							
POT	X		X	X			
REU				X			
SGP	X		X	X			
SNG	X		X	X			
SOD						X	
SYO	X	X	X	X	X	X	
TAT	X						
TEN	X	X	X	X			
TRP				X			
XIL							

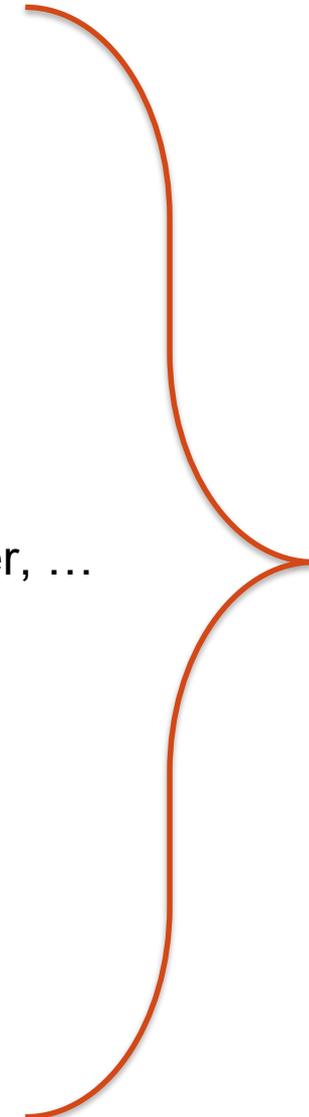


- We have a lot of meaningful meta-data
 - Used setup (with related equipment)
 - Ground checks with results
 - Often: balloon gas, filling weight, integrated parachute, operator, etc.

- But also unknown details (which would be helpful), e.g.
 - Calibration of reference T-sensor
 - Uncertainty of surface/station barometer
 - How regularly is the SHC maintained?
 - Software updates of a soundings system

Required/helpful but often missing

- Station barometer
 - Altitude, calibration, SN, model, replacement, ...
- Reference & ground check equipment
 - Calibration, re-calibration of reference sensors
- Permanent changes of, e.g.
 - Altitude of launch site, ground check tools, station barometer, ...
 - General switch to another equipment (incl. consumables)
- Updates of related software
- Maintenance of related equipment
 - Breaks & repairs
 - E.g. exchange of water (of SHC)



Gap in the meta-data

- Definition of relevant information, what is still missing
 - Goal → detailed documentation as Technical Note (TN)

- Should be so specific as useful
 - Measurement systems, e.g. radiosonde launch site
 - Radiosonde models, incl. sounding systems
 - Ground check equipment
 - Operating procedures, e.g. ground check using SHC

- Way to communicate with LC
 - Proper tool available → Site diary at GRUAN website
 - ➔ <https://www.gruan.org/data/site-diary/sites>
 - ➔ See my presentation from ICM-13 (“Site diary”)

- All sites should take site photos regularly and make them available.
- Gap of meta-data detected
- Extension of meta-data collection required

Thank you for your attention.