GRUAN

Site diary

site photos and further meta-data

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What are site photos?



➢ Goal & task & description → GRUAN-TN-9

This Technical Note outlines the generic steps required to ensure that a long term site photographic record is maintained in support of the documented reference-quality data. The aim is to **establish a long-term visual record** against which any unaccounted for variability in data measurement can be assessed.

- ➤ Current way → gruan.info (FTP)
- ➤ Example → NYA (2021-09-08)









South West North East



Available site photos



Site	2021	2020	2019	2018	2017
BOU	X	X			
LAU	X		X		
LIN	X			X	
MTS	X	X		X	
NYA	X	X	X	X	X
POT		X			
REU		X			
SGP		X			
SNG		X			
SOD				X	
SYO	X	X	X	X	
TAT	X	X	X	X	X
TEN		X			
TRP		X			



Situation & requests

- Why where so few site photos uploaded?
 - Reminder from LC was missing
 - Upload using FTP not user-friendly enough?
- ➤ All site photos available at LC → better access required
- Sometimes a bit more information would be helpful
 - Providing of other material, e.g. documents, other photos, meta-data
 - Documentation of changes

→ An extended and more user-friendly solution is needed.





Site diary – Concept

- ➤ Web-based viewer & editor → as part of GRUAN website
 - All information can immediately be downloaded
- Collecting information related to sites & measurement systems
- Site description → time changeable (meta-data & documents & photos)
 - → Systems
- System description > time changeable (meta-data & documents & photos)
 - → Instrument views & changes
- ➤ Instrument view → as diary entry (meta-data & documents & photos)
- ➤ Instrument change → as diary entry (meta-data & documents & photos)

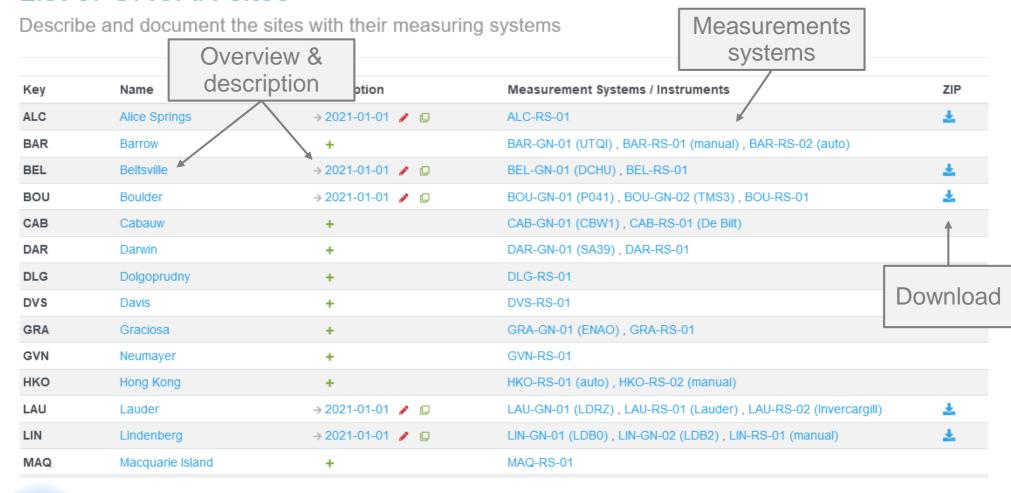


Site diary – List of sites

Wetter und Klima aus einer Hand

Sites Systems Views & Descriptions

List of GRUAN sites







Site diary -List of measurement systems

Views & Descriptions Systems

List of measurement systems in GRUAN

Describe the measuring systems and document views and changes

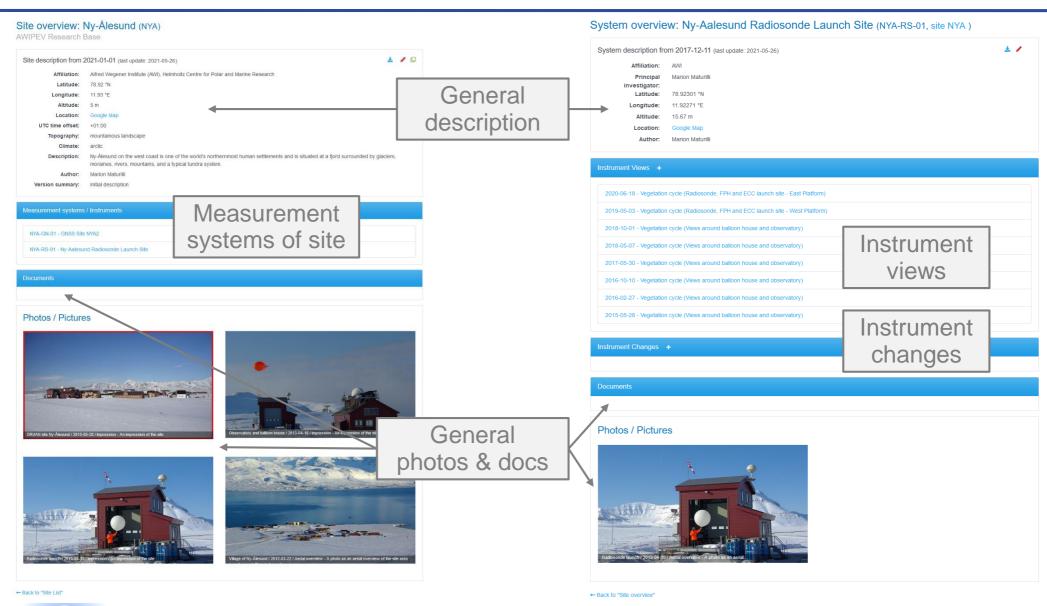
1 2 3	Overvie descrip		View 8	change	
Key	Name	Description	Instrument View	Instrument Change	ZIP
ALC-RS-01	Alice Springs radiosonde launch site	→ 2021-01-01 / □	+	+	±.
BAR-GN-01	GNSS Site UTQI	→ 2021-01-01 🧪 📮	+	+	±.
BAR-RS-01	Barrow radiosonde launch site	→ 2021-01-01 / □	+	+	±.
BAR-RS-02	Barrow autolauncher system	→ 2021-01-01 / □	+	+	±.
BEL-GN-01	GNSS Site DCHU	+	+	+	†
BEL-RS-01	Beltsville Radiosonde Launch Site	+	+	+	
BOU-GN-01	GNSS Site P041	+	+	+	
BOU-GN-02	GNSS site TMS3	+	+	+	Download
BOU-RS-01	Marshall Radiosonde Launch Site	+	+	+	
CAB-GN-01	GNSS Site CBW1	+	+	+	
CAB-RS-01	De Bilt Radiosonde Launch Site	+	+	+	
DAR-GN-01	GNSS Site SA39	+	+	+	



Site diary – Site & system overview

Deutscher WetterdienstWetter und Klima aus einer Hand





Site diary – Instrument view & change

Deutscher Wetterdienst Wetter und Klima aus einer Hand

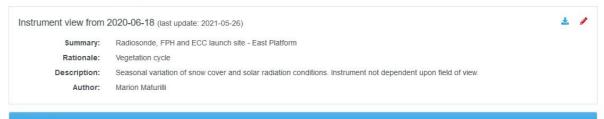
DWD

General description

Documents

Photos (with comments)

Instrument view (system NYA-RS-01)



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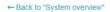
Photos / Pictures













- More consequent documentation of GRUAN sites required
- New site diary available as beta version
- Documentation of site diary is not available yet
- Two to three GRUAN sites as beta user wanted

Please contact us to be a beta user of GRUAN site diary!

→ gruan.lc@dwd.de

