21/03/2022

https://www.baqunin.eu/

Instruments checks

Each morning, before 11:00 LT, checks are planned to verify the right functioning of the instrumentation, automatic process (devoted to production and dissemination of products files), database and website uploads.

The results of daily checks for the whole suite are recorded in the **Instrument Daily file**. This is a Google file document (available here), where it must be collected notes on the status and maintenance of the instruments.

In Table1 the list of BAQUNIN instruments for which are planned daily and weekly checks are shown, in Table2 are listed the team members involved in these activities.

The **daily checks** detailed procedures are shared within the team, and consider the guidelines suggested by instrument manufacturers/networks. All activities can be summarised in three main groups:

- Data/plot availability on the network website if the instrument is part of a network or BAQ website
- Operative software up and running
- Automatic software for conversion or pushing data

In addition, cleaning and visual check of the instrument will be performed on **weekly** basis or more frequently in case of malfunctioning of the instrument/software requiring a special attention.

In the case of malfunctioning of an instrument, the operator engaged to daily checks will communicate the issue to the PI responsible of the instrument.

Table 1: Instruments checks

Instrument	Daily check performed				Weekly check
	Network	**BAQ website**	**Operative software**	**Pushing software**	
Pan115	Y		Y	Y	Y
Pan117	Y		Y	Y	Y
Pan138	Y		Y	Y	Y
Cimel	Y		Y	Y	Y
Prede POM solar/sky		Y	Y		Y
Prede POM lunar version			Y		Y
Brewer	Y		If required by PI	If required by PI	If required by PI
Pyranometer		Y	Y	Y	Y
Microbarometer		Y	Y		
All Sky Camera		Y	Y	Y	Y
Skycam NASA		Y		Y	Y
Webcam		Y	Y		Y
Meteo Station (SCO)		Y			Y
WRF		Y		Y	
Lidar	Visual check (*)				
Ceilometer RAP		Y			
Ceilometer IIA					
Sodar		Y	Y	Y	Y
Dataflow		Y		Y	
Database			Y		Y
Autoprocess		Y			
Tropex			Y	Y	Y

(*) For the LIDAR system, daily check regards the status of the Laser

Table 2: BAQUNIN operators

Priority	People engaged to daily checks	
1	Umberto Furia	UF
2	Gabriele Mevi	GM
3	Anna Maria Iannarelli	AMI
4	Annalisa Di Bernardino	ADB
5	Monica Campanelli	MoC
6	Stefano Casadio	SC