



Silent sites (C8)

Ruud Dirksen
GRUAN Lead Centre, DWD

14th GRUAN Implementation and Coordination Meeting (ICM-14)
Saint Denis, La Reunion
28 Nov- 2 Dec 2022

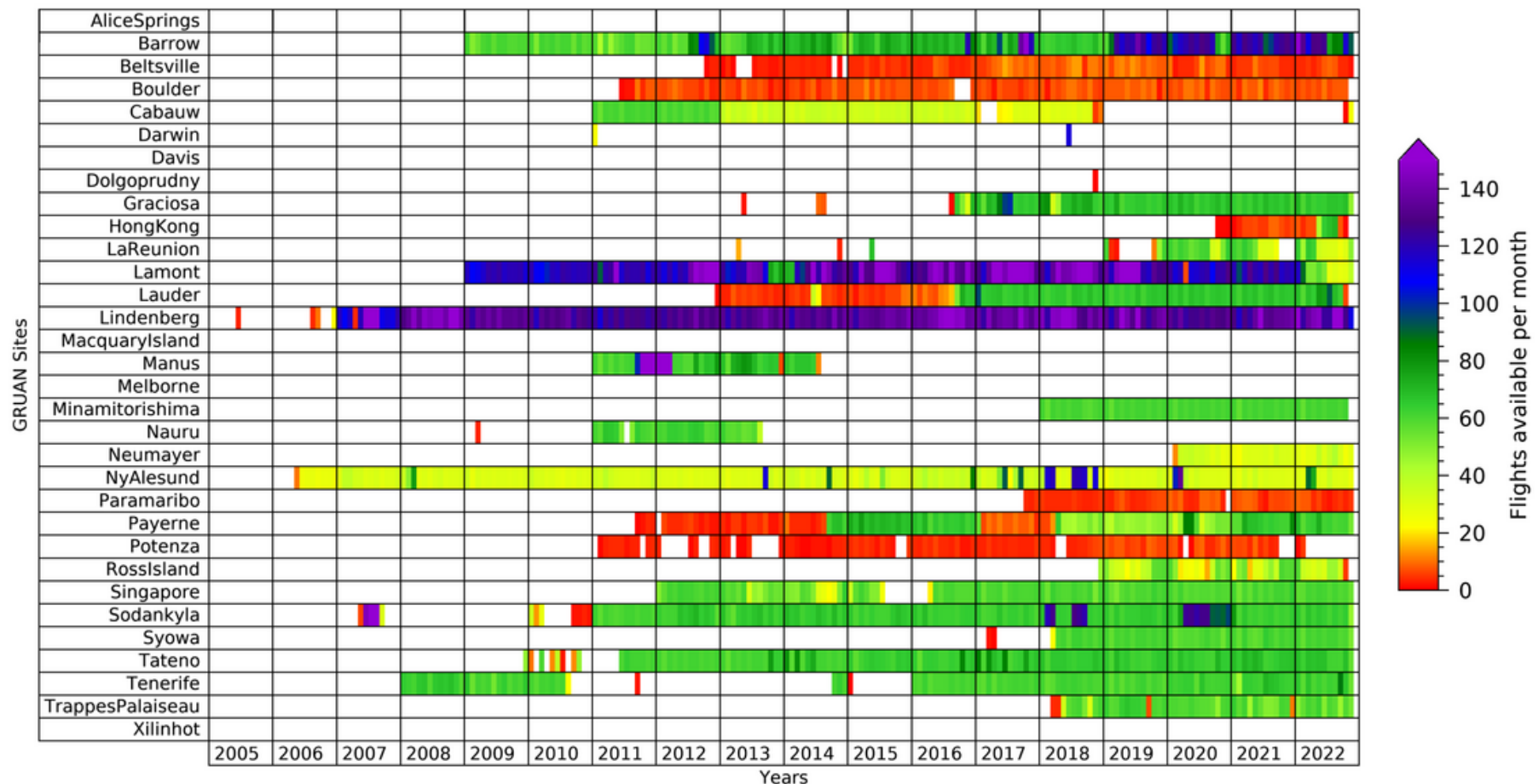
- Not all sites perform up to par, some have been on the map for several years without actually submitting data.
- This gives a distorted view of reality, and incorrectly makes the network seem larger than it effectively is
- Unfair towards well-performing sites
- Old policy (gentle “naming and shaming”) appears not effective

GCOS Reference Upper-Air Network



- For several sites no data-stream established

GRUAN Radiosonde Launches (total: 144875 at 2022-11-27)



2.3. Minimum requirements for a GRUAN site include:

- i) Weekly radiosonde measurements of temperature and pressure to 30 km and humidity in the troposphere; and
- ii) Monthly water vapour profile measurements to ~30 km. Where several GRUAN sites are located sufficiently close to each other, where the sufficiency shall be guided by scientific studies, individual site flight schedules should be coordinated to share the burden of making these measurements.
- iii) At least twice daily observations of integrated precipitable water vapour.

GRUAN Manual (GCOS-170)

- Traffic light to indicate a site's involvement

Site	Data			Site reports		Network Status			GRUAN communitiy			
	Radiosonde	GNSS-PW	CFH/FPH	2019	2020	candidate	cert'ion	recert.	TT	WG	GDP	develop.
#1	0	0		1	1	2009						
#2	1	1		1	1	2010						
#3	1	1	1	1	1	2010	2016	2020	1			
#4	1	1	1	1	1	2010	2014	2018		1		1
#5	0	1		1	0	2014	2018		1			
#6	1	1		1	1	2017						
#7	1	0	1	1	1	2014	2014	2019	1	1		
#8	1	0	1	1	1	2008	2013	2018	1	1		1

- In case of data stream failure

Step	Time silent	action
1	1 month	Email(s) to Site manager (repeat until resolved or until next step)
2	6 months	Formal letter to Site manager
3	10 months	Letter to the supervisor of the site manager (cc site manager)
4	12 months	Revoke site certification
5	18 months	Email/Letter to Permanent Representative
6	24 months	Revoke status of being a GRUAN site (+ letter to PR)

- In case of data stream failure

Step	Time	silent action
1	1 month	Email(s) to Site manager (repeat until resolved or until next step)
2	6 months	Formal letter to Site manager
3	12 months	Letter to the supervisor of the site manager (cc site manager)
4	18 months	Email/Letter to Permanent Representative
5	24 months	Revoke status of being a GRUAN site (+ letter to PR)

- Regular communication with LC about setting up data stream. Data stream should be active and completed within 12 months

Step	Time without progress	action
1	12 month	Email(s) to Site manager (repeat each month until resolved or until next step)
2	18 months	Formal letter to Site manager
3	24 months	Letter to the supervisor of the site manager (cc site manager)
4	26 months	Revoke status of being a candidate GRUAN site (+ letter to PR)

- Involve co-chair TT-sites in the process
- Required: contact details of site manager and chain of command
- Policy will be described in TN
 - Policy becomes active after adoption, not applied retro-actively