



Overview of network status

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12th GRUAN Implementation and Coordination Meeting (ICM-12)
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➤ New sites: Dakar, Hong Kong (HKO), Neumayer (GVN), Ross Island (ROS)

- Paramaribo

➤ Re-certified: Payerne (PAY), Potenza (POT), Sodankyla (SOD)

➤ Under review:

- Tenerife, Ross Island (certification)

- Cabauw, Beltsville (re-certification)

➤ In total

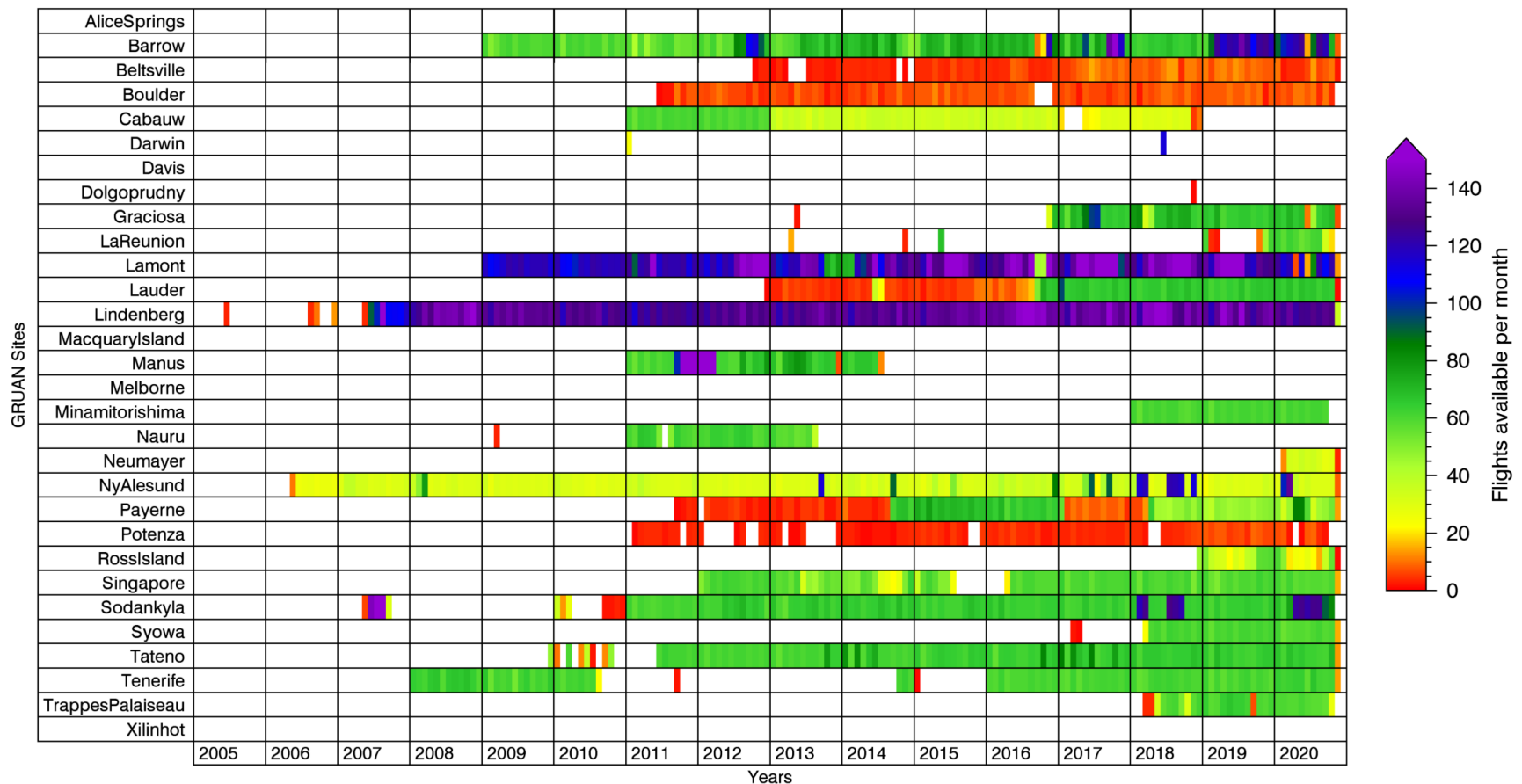
- 30 sites

- 12 GRUAN-certified sites

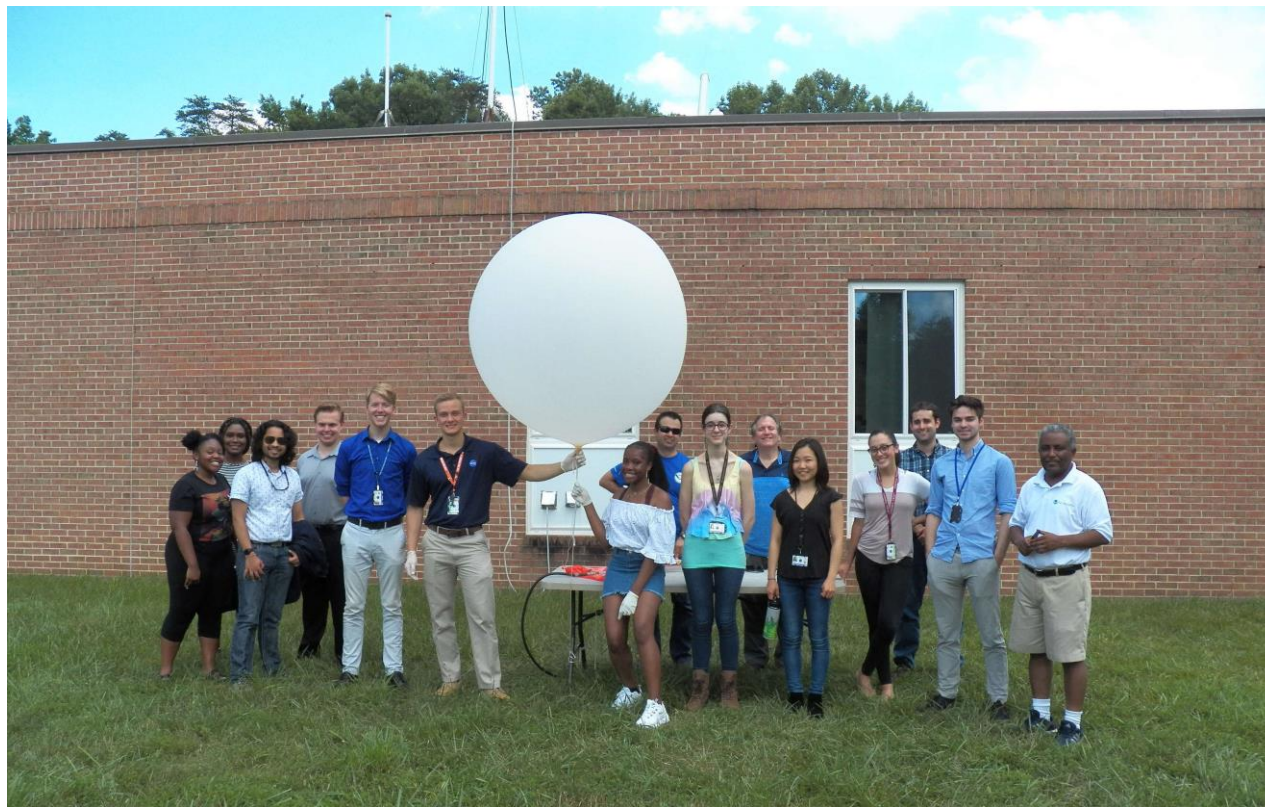


Presentation M. Sommer

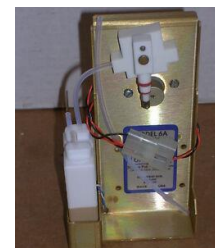
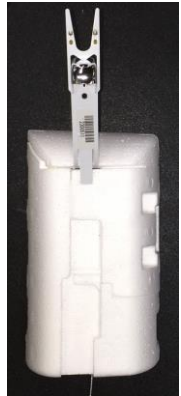
GRUAN Radiosonde Launches (total: 113982 at 2020-11-08)



100k Radiosounding (12/2019) Beltsville



- Vaisala RS92 (2014)
- Meisei RS-11G (2019)
- GNSS (GFZ & TT)*
- Under development (Tuesday & Friday sessions)
 - Vaisala RS41 (LC)
 - Modem Radiosonde (J-C Dupont)
 - Meisei iMS-100 (Shunsuke Hoshino)
 - Lidar (Thierry Leblanc)
 - MWR (Nico Cimini)
 - Ozone (Richard Querel)
 - Graw (LC)
 - CFH (Dale Hurst & LC)



- GRUAN TD-6 *Global Navigation Satellite System (GNSS) - Precipitable Water (PW) Omnibus.*
- GRUAN TN-6 *Brief Description of GruanToolRsLaunch (gtRsl)*
- GRUAN TN-9 *GRUAN Site Photographs Guide*
- GRUAN TN-11 *Brief Description of GruanToolRs92 (gt92)*
- Autolauncher (Madonna et al. 10.5194/amt-13-3621-2020)
- RS92-RS41 community paper (Dirksen et al. 10.5194/gi-9-337-2020)
 - Many other GRUAN-related publications, see www.gruan.org

- Limited data flow from some sites
- Continuity of stratospheric WV measurement program (Wednesday session)
- Evaluation of RS92-RS41 transition

- 30 sites and growing, 12 sites certified
- Data product development ongoing
 - 2 certified radiosonde products, GNSS PW under review
- Steady dataflow (>110k radiosoundings)
- Various GRUAN Documents and publications
- Stratospheric Water vapor measurements
- RS92-RS41 transition

Special Issue Atmosphere (MDPI)

<https://www.gruan.org/community/news/article/special-issue-of-mdpi-atmosphere-on-gruan>



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The Global Climate Observing System (GCOS) Reference Upper - Air Network (GRUAN) and its Applications

Guest Editors

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Co-Guest Editors

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Invitation to submit

