

Summary of GRUAN Site Questionnaire

- R23 for CFH launches
- Helium
- Cloud observations
- Strategies on attaining burst altitude $<10\text{hPa}$
- Safety concerns on payload weight
- Parallel sounding data submission
- Descent data

Summary of GRUAN Site Questionnaire

- R23 for CFH launches



session “R23 replacement”
Wednesday 19-21 UTC

- Helium

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“Understanding the quality of radiosonde descent data”
Bruce Ingleby
in session “New Science”
Thursday 14-16

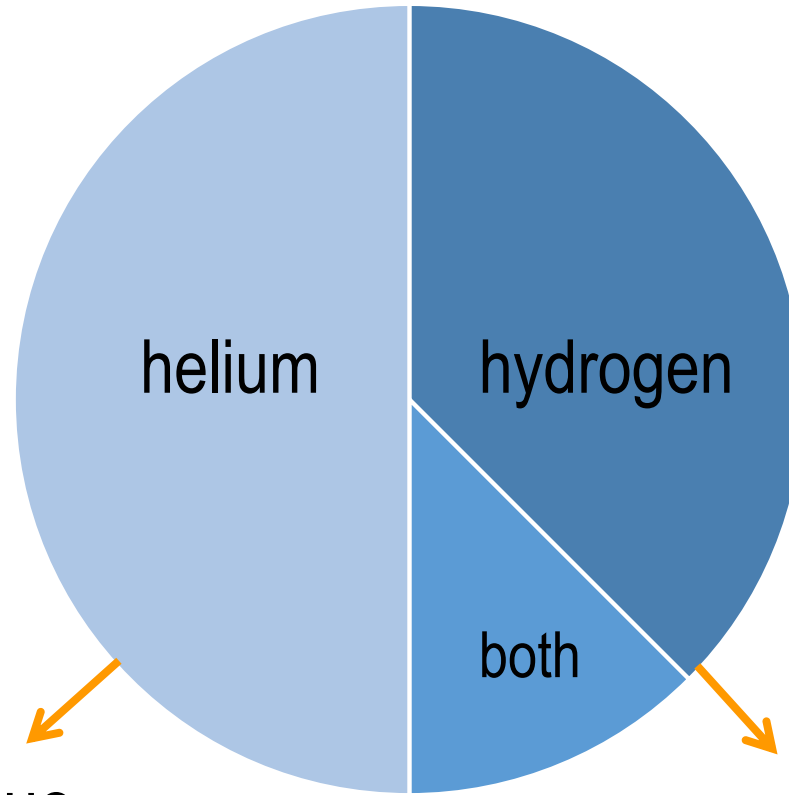
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16 responses:

<i>Australia</i>	Payerne
Beltsville	Potenza
Boulder	Réunion
Lauder	Singapore
Lindenberg	Sodankylä
Minamitorishima	Syowa
Ny-Ålesund	Tateno
Paris	Tenerife

Use of helium / hydrogen?

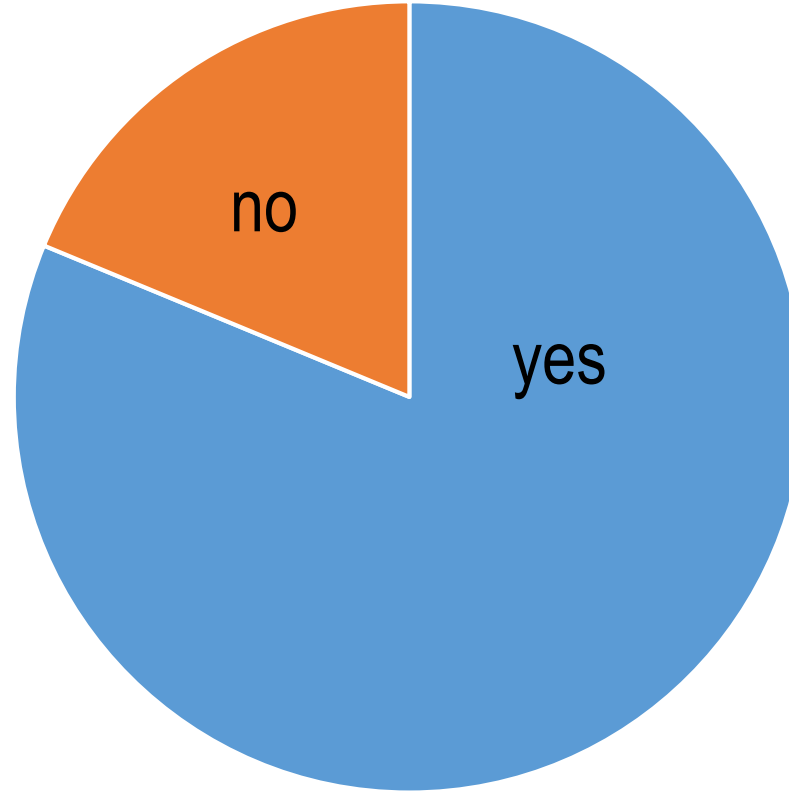


Rising prices are an issue,
not yet mission-critical.

mostly compressed gas bottles
(only Australia generates on site)

*If you (a “helium-site”) are interested in experiences of a “hydrogen site” –
please contact TT Sites Chairs to establish contact.*

Cloud Observations



methodologies

visual observation

sky imager

ceilometer

cloud radar

reporting

WMO code for cloud type
and cloud fraction

Present weather
description

**Standardized network-wide
cloud treatment**

→ *projected GRUAN action item (C13)*

Strategies on attaining burst altitude <10hPa

General Solution:

[e.g. Melbourne, Payerne, Potenza]

Use of larger balloons

Polar regions / low temperature:

[e.g. Syowa, Davis, Ny-Ålesund]

Dipping of balloons in kerosene-based mixture

Other approach needed:

[e.g. Singapore, Tatenō]

Require balloon manufacturers to improve

Justification of high ascent
attainment

→ *projected GRUAN action item (C16)*

TT Sites Action Item

Email —→ Request to upload sites photos according to TN-9
+



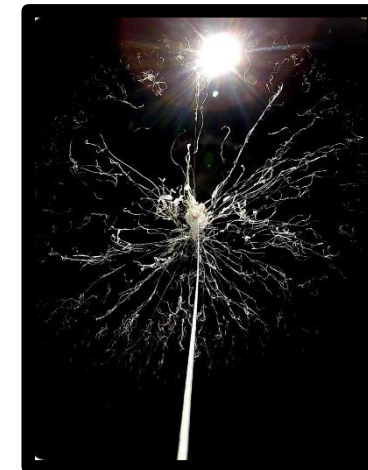
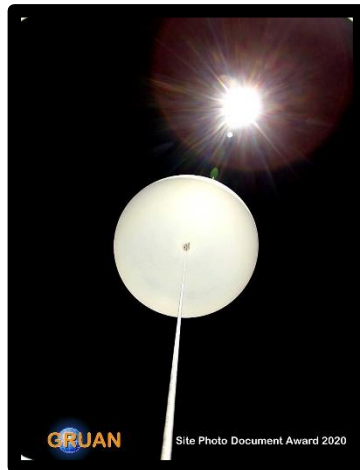
promised to the first site to upload the photos

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Email —————> Request to upload sites photos according to TN-9
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promised to the first site to upload the photos: **SINGAPORE**



Framed GRUAN photo artwork has been sent to Shwei Lin. *Congratulations !*

TT Sites Action Item

So far, only 9 stations have submitted their photos.

A photographic record of the site provides valuable metadata to both present and future users of GRUAN data

How can the sites be supported in this ?

- *regular email reminders ?*
- *include upload status to site report ?*

Sites Related Topics

- helium / hydrogen
- cloud observation report
- high ascent attainment
- sites photos