

GRUAN TT Sites

Co-Chairs:

Marion Maturilli & Dale Hurst

Dale has retired since 1 November.



Boulder, USA
Ny-Ålesund, Norway
Beltsville, USA
Cabauw, Netherlands
Lauder, New Zealand
Sodankylä, Finland
Potenza, Italy
Payerne, Switzerland
Tateno, Japan
ARM Sites, USA
Xilinhot, China
Lindenberg, Germany
Australian sites
Réunion Island, France
Singapore
Dolgoprudny, Russia
Trappes Palaiseau, France
Tenerife, Spain
Syowa, Japan
Minamitorishima, Japan
Neumayer, Antarctica (DE)
Ross Island, Antarctica (NZ, US)
Hong Kong, China
Dakar, Senegal
Paramaribo, Suriname

The logo features the word "GRUAN" in orange, with a blue globe icon behind the letter "U". To the right of "GRUAN" is the text "TT Sites" in black.

GRUAN TT Sites

- 1) Big thanks to Dale for his engagement and efforts in co-chairing TT Sites !!!
- 2) Announcement of new Co-Chair

Boulder, USA

Ny-Ålesund, Norway

Beltsville, USA

Cabauw, Netherlands

Lauder, New Zealand

Sodankylä, Finland

Potenza, Italy

Payerne, Switzerland

Tateno, Japan

ARM Sites, USA

Xilinhot, China

Lindenberg, Germany

Australian sites

Réunion Island, France

Singapore

Dolgoprudny, Russia

Trappes Palaiseau, France

Tenerife, Spain

Syowa, Japan

Minamitorishima, Japan

Neumayer, Antarctica (DE)

Ross Island, Antarctica
(NZ, US)

Hong Kong, China

Dakar, Senegal

Paramaribo, Suriname

What has happened since ICM-13 ?

- Survey on the use of R23
(among the sites that operate frostpoint hygrometers)
→ Update was given in Session 3.1 on monday

Boulder, USA

Ny-Ålesund, Norway

Beltsville, USA

Cabauw, Netherlands

Lauder, New Zealand

Sodankylä, Finland

Potenza, Italy

Payerne, Switzerland

Tateno, Japan

ARM Sites, USA

Xilinhot, China

Lindenberg, Germany

Australian sites

Réunion Island, France

Singapore

Dolgoprudny, Russia

Trappes Palaiseau, France

Tenerife, Spain

Syowa, Japan

Minamitorishima, Japan

Neumayer, Antarctica (DE)

Ross Island, Antarctica
(NZ, US)

Hong Kong, China

Dakar, Senegal

Paramaribo, Suriname

What has happened since ICM-13 ?

- Survey on the use of R23
(among the sites that operate frostpoint hygrometers)
 - Update was given in Session 3.1 on monday
- Survey on cloud observations
 - See GRUAN Report No.5
 - Presentation by Masatomo Fujiwara
Session 10.1 on Friday
“Standardizing cloud observations / reporting“

Boulder, USA

Ny-Ålesund, Norway

Beltsville, USA

Cabauw, Netherlands

Lauder, New Zealand

Sodankylä, Finland

Potenza, Italy

Payerne, Switzerland

Tateno, Japan

ARM Sites, USA

Xilinhot, China

Lindenberg, Germany

Australian sites

Réunion Island, France

Singapore

Dolgoprudny, Russia

Trappes Palaiseau, France

Tenerife, Spain

Syowa, Japan

Minamitorishima, Japan

Neumayer, Antarctica (DE)

Ross Island, Antarctica
(NZ, US)

Hong Kong, China

Dakar, Senegal

Paramaribo, Suriname

What has happened since ICM-13 ?

- Survey on the use of R23
(among the sites that operate frostpoint hygrometers)
 - Update was given in Session 3.1 on monday
- Survey on cloud observations
 - See GRUAN Report No.5
 - Presentation by Masatomo Fujiwara
Session 10.1 on Friday
“Standardizing cloud observations / reporting“

Several recommendations given on the future reporting of cloud observations by the sites

→ GRUAN LC and sites need to follow up

Activity for TT Ground-based

Boulder, USA
Ny-Ålesund, Norway
Beltsville, USA
Cabauw, Netherlands
Lauder, New Zealand
Sodankylä, Finland
Potenza, Italy
Payerne, Switzerland
Tateno, Japan
ARM Sites, USA
Xilinhot, China
Lindenberg, Germany
Australian sites

What has happened since ICM-13 ?

- Draft on
“Parallel soundings database augmentation with ancillary data”
has been sent around for comments

Very little feedback was received.
(in total only 5 site representatives responded)

Finalization had been put on hold to get additional feedback at ICM-14.

[Presentation by Dave Smith given on Monday.]

The sites will actively have to set up additional data/metadata collection.

Take your chance to comment !

Boulder, USA

Ny-Ålesund, Norway

Beltsville, USA

Cabauw, Netherlands

Lauder, New Zealand

Sodankylä, Finland

Potenza, Italy

Payerne, Switzerland

Tateno, Japan

ARM Sites, USA

Xilinhot, China

Lindenberg, Germany

Australian sites

Réunion Island, France

Singapore

Dolgoprudny, Russia

Trappes Palaiseau, France

Tenerife, Spain

Syowa, Japan

Minamitorishima, Japan

Neumayer, Antarctica (DE)

Ross Island, Antarctica
(NZ, US)

Hong Kong, China

Dakar, Senegal

Paramaribo, Suriname

What has happened since ICM-13 ?

- Draft on “Parallel soundings database augmentation with ancillary data” has been sent around for comments

some comments:

Some sites may have data that are already publicly available (e.g. radiation data via BSRN database, lidar via MPLnet, ...)

In this case, the sites could

- provide the metadata where/how to access the data
- not be required to submit time slices of these data again to GRUAN

Those sites that don't have ancillary data publicly available yet will have a considerable amount of work.

Boulder, USA

Ny-Ålesund, Norway

Beltsville, USA

Cabauw, Netherlands

Lauder, New Zealand

Sodankylä, Finland

Potenza, Italy

Payerne, Switzerland

Tateno, Japan

ARM Sites, USA

Xilinhot, China

Lindenberg, Germany

Australian sites

Réunion Island, France

Singapore

Dolgoprudny, Russia

Trappes Palaiseau, France

Tenerife, Spain

Syowa, Japan

Minamitorishima, Japan

Neumayer, Antarctica (DE)

Ross Island, Antarctica
(NZ, US)

Hong Kong, China

Dakar, Senegal

Paramaribo, Suriname

What has happened since ICM-13 ?

- Draft on
“Parallel soundings database augmentation with ancillary data”
has been sent around for comments

some questions:

- Are these ancillary data time critical?
(submission needed within 1 month after sounding? 6 months? 3 years?)
- Are these ancillary data requested...
 - ... for parallel radiosoundings? (e.g. RS92-Rs41)
 - ... for satellite collocation events?
 - ... for each sounding ?

Boulder, USA

Ny-Ålesund, Norway

Beltsville, USA

Cabauw, Netherlands

Lauder, New Zealand

Sodankylä, Finland

Potenza, Italy

Payerne, Switzerland

Tateno, Japan

ARM Sites, USA

Xilinhot, China

Lindenberg, Germany

Australian sites

Réunion Island, France

Singapore

Dolgoprudny, Russia

Trappes Palaiseau, France

Tenerife, Spain

Syowa, Japan

Minamitorishima, Japan

Neumayer, Antarctica (DE)

Ross Island, Antarctica
(NZ, US)

Hong Kong, China

Dakar, Senegal

Paramaribo, Suriname

Break-Out session on Thursday Morning

- *Exchange on technical issues at the sites* -

Helium ↔ Hydrogen

Other topics that sites would like to discuss

e.g. EUMETSAT validation option proposed by Axel this morning?