

How to create a new station in OSCAR/Surface?



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

Learning topics

1. How to create a new station?
2. When to create a new station and when to update an existing one
3. Access control



How to create a new station?

Management
console



Login

Quick access

Generate station report by:

Station name

WMO ID

Generate station lists by:

Country

Type

Find people by:

Contact name

Filter map

By program / network:

☒ WIGOS components

☒ GOS

☒ GAW

☒ WHOS

☒ GCW

☒ Co-sponsored components

☒ GCOS

☒ GOOS

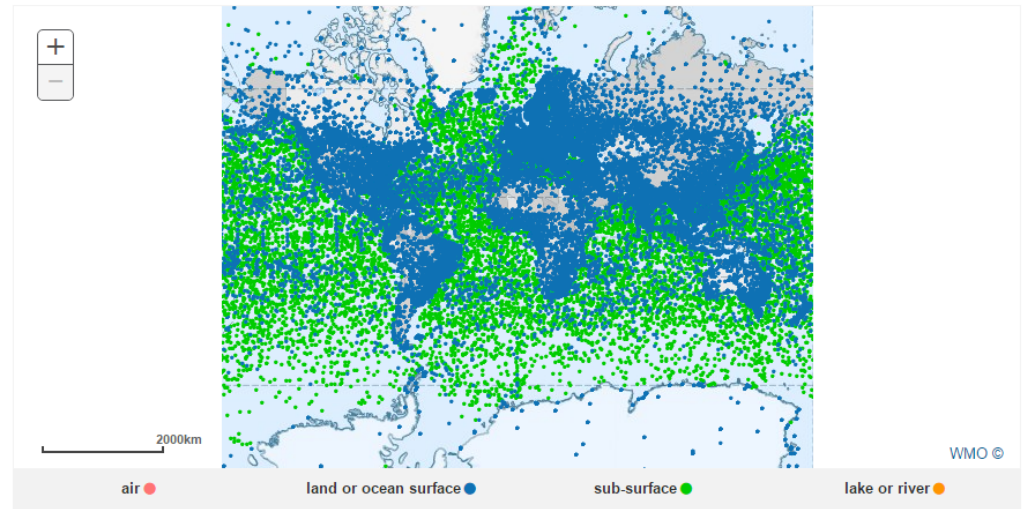
☒ GTOS

☒ Other components

☒ Non affiliated

Welcome to OSCAR/Surface

OSCAR/Surface is the World Meteorological Organization's official repository of WIGOS metadata for all surface-based observations. For more details on OSCAR, please visit the About section. For additional information about WIGOS, visit the WIGOS Homepage.



Latest news

2016-11-30

Scheduled maintenance, 13 December 2016

Both GAWSIS and OSCAR will be temporary unavailable on 13 December 2016 between 14.00 and 15.00 UTC due to scheduled maintenance. We apologise for any inconvenience.

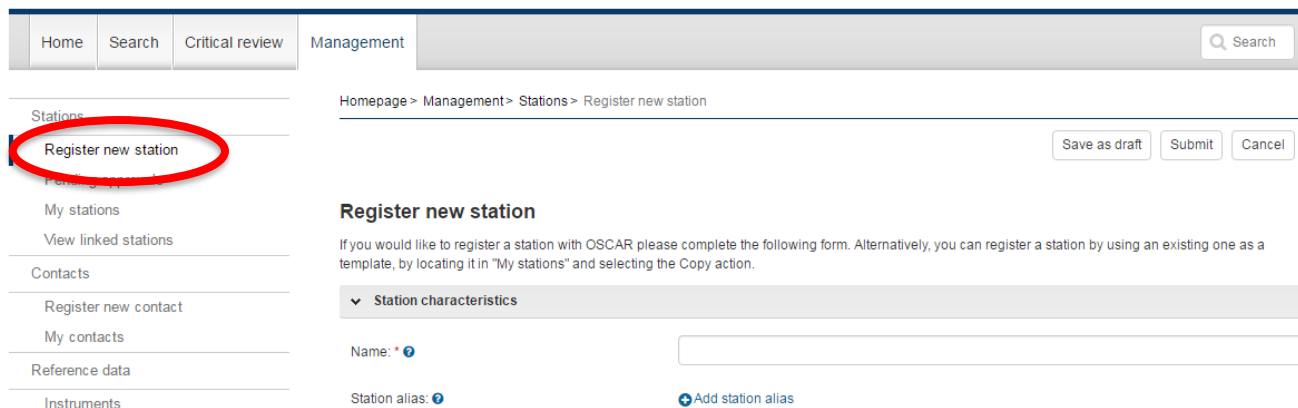
2016-10-31

GAWSIS-OSCAR has been updated and new features are now available

Station photos can now be downloaded in original resolution
It is now possible to add more than one instrument with unknown specification per station

Create a new station (from scratch)

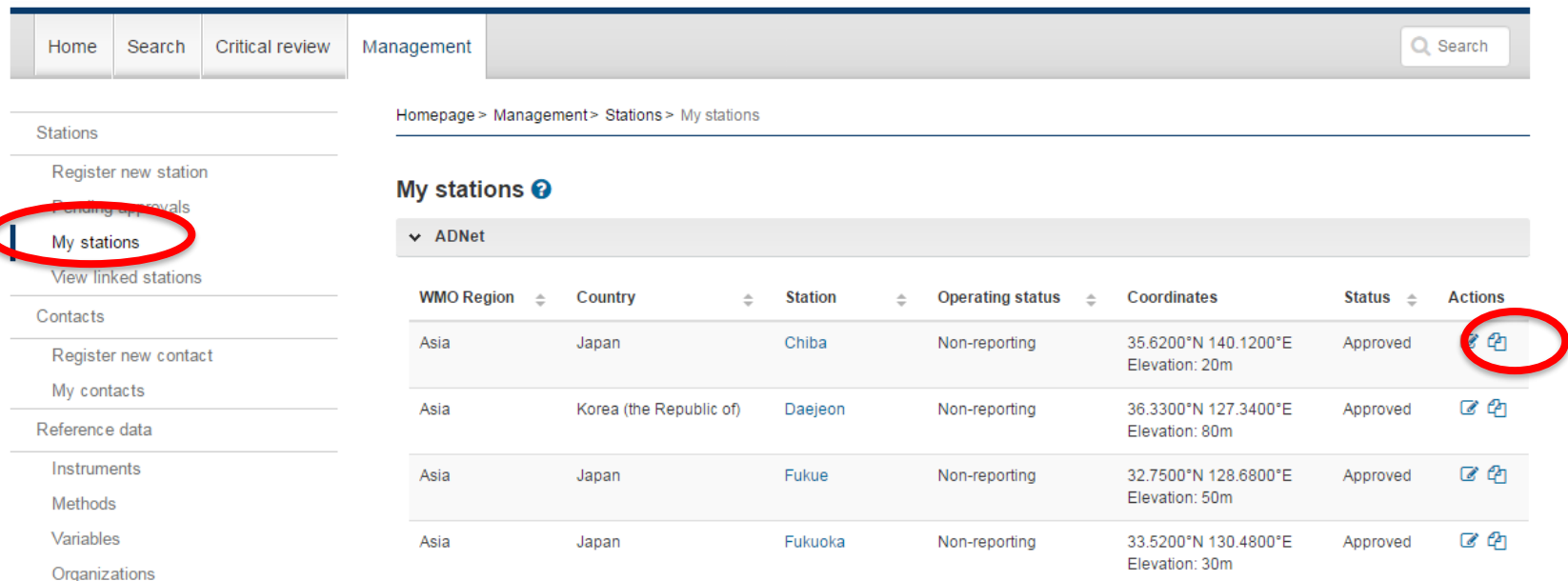
To create a completely new station, use the «Register new station» form in the management menu



The screenshot displays the WMO OMM Management interface. At the top, a navigation bar includes links for Home, Search, Critical review, and Management, along with a search box. The left sidebar lists various management options: Stations, Register new station (highlighted with a red circle), My stations, View linked stations, Contacts, Register new contact, My contacts, Reference data, and Instruments. The main content area shows the breadcrumb path: Homepage > Management > Stations > Register new station. Below this, there are buttons for 'Save as draft', 'Submit', and 'Cancel'. The section is titled 'Register new station' and includes a brief instruction: 'If you would like to register a station with OSCAR please complete the following form. Alternatively, you can register a station by using an existing one as a template, by locating it in "My stations" and selecting the Copy action.' A dropdown menu labeled 'Station characteristics' is visible. Below it, there is a 'Name: *' field with an information icon and a 'Station alias: ?' field with an 'Add station alias' link.

Create a new station (with a template)

To use an existing station as template, go to «my station» in the management menu, and click on «copy».



The screenshot shows the WMO OMM Management interface. The top navigation bar includes 'Home', 'Search', 'Critical review', and 'Management'. The left sidebar menu has 'Stations' selected, with 'My stations' circled in red. The main content area shows the 'My stations' page with a table of stations. The 'Actions' column for the first station (Chiba) has a 'copy' icon circled in red.

Home Search Critical review Management Search

Stations

- Register new station
- Pending approvals
- My stations**
- View linked stations

Contacts

- Register new contact
- My contacts





Reference data

- Instruments
- Methods
- Variables
- Organizations

Homepage > Management > Stations > My stations

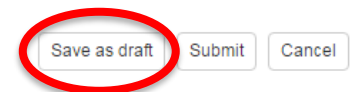
My stations ?

▼ ADNet

| WMO Region | Country | Station | Operating status | Coordinates | Status | Actions |
|------------|-------------------------|---------|------------------|--|----------|---|
| Asia | Japan | Chiba | Non-reporting | 35.6200°N 140.1200°E Elevation: 20m | Approved |  |
| Asia | Korea (the Republic of) | Daejeon | Non-reporting | 36.3300°N 127.3400°E Elevation: 80m | Approved |  |
| Asia | Japan | Fukue | Non-reporting | 32.7500°N 128.6800°E Elevation: 50m | Approved |  |
| Asia | Japan | Fukuoka | Non-reporting | 33.5200°N 130.4800°E Elevation: 30m | Approved |  |

Station registration form

- The form consists of several **expandable** sections, grouping the fields thematically
- Some fields are mandatory (*)
- An unpublished station can be saved as «draft»



Save as draft Submit Cancel

Register new station

If you would like to register a station with OSCAR please complete the following form. Alternatively, you can register a station by using an existing one as a template, by locating it in "My stations" and selecting the Copy action.


> Station characteristics

> Observations / measurements

> Station contacts

> Bibliographic references

> Documents



Save as draft Submit Cancel

Previously saved draft stations can be found in «my stations»

Station registration form, cont.

- The section «observations» is central
- All present and past observations taken at the station are documented here, together with supporting attributes (e.g schedule, unit)

Observations / measurements

+ Add data series ?

- > Air temperature (at specified distance from reference surface) - [Method: (unknown / unspecified)]
- > Cloud amount - [Method: (unknown / unspecified)]
- > Height of cloud base - [Method: (unknown / unspecified)]
- > Humidity (at specified distance from reference surface) - [Method: (unknown / unspecified)]
- > Past weather - [Method: (unknown / unspecified)]
- > Present weather - [Method: (unknown / unspecified)]
- > Type of cloud - [Method: (unknown / unspecified)]
- > Visibility - [Method: (unknown / unspecified)]
- > Wind (surface wind direction and speed, horizontal) - [Method: (unknown / unspecified)]

From unspecified

[Edit segment information](#) [Delete segment information](#)

Schedule

+ Add schedule ?

- > Monday to Sunday , 06:00 to 06:00 , every 3 hour (h)
- > Monday to Sunday , 12:00 to 12:00 , every 3 hour (h)
- > Monday to Sunday , 18:00 to 18:00 , every 3 hour (h)

Instruments

+ Specify instrument used to make observation ?

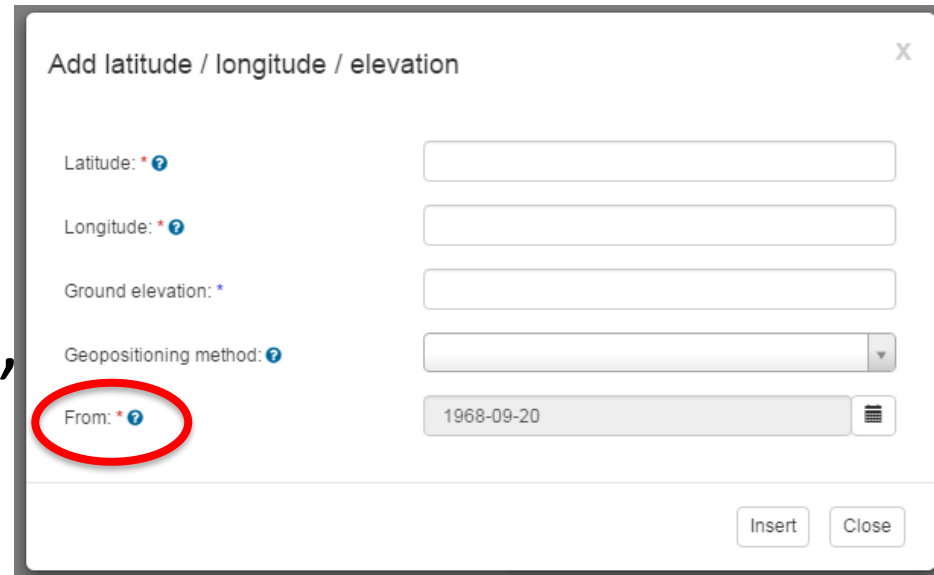
- > (unknown / unspecified) (unknown)

Photo

+ Add photo ?

The station and it's history

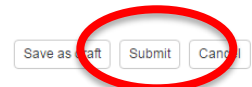
- The purpose of OSCAR/Surface is to store historic information, as well as current one
- Many fields are «historized» (an associated date field «from» allows to indicate **the period when** the station had this property)
- Thus: Stations, observations and other attributes are usually **never deleted**, only updated



The screenshot shows a web form titled "Add latitude / longitude / elevation". It contains several input fields: "Latitude: * ?" with a text box, "Longitude: * ?" with a text box, "Ground elevation: *" with a text box, "Geopositioning method: ?" with a dropdown menu, and "From: * ?" with a date field containing "1968-09-20". The "From:" field is circled in red. At the bottom right, there are "Insert" and "Close" buttons.

Publishing a station

- Press «Submit» to publish the station
- In case mandatory fields are not supplied, the section and fields will be indicated in red



Register new station

If you would like to register a station with OSCAR please complete the following form. Alternatively, you can register a station by using an existing one as a template, by locating it in "My stations" and selecting the Copy action.

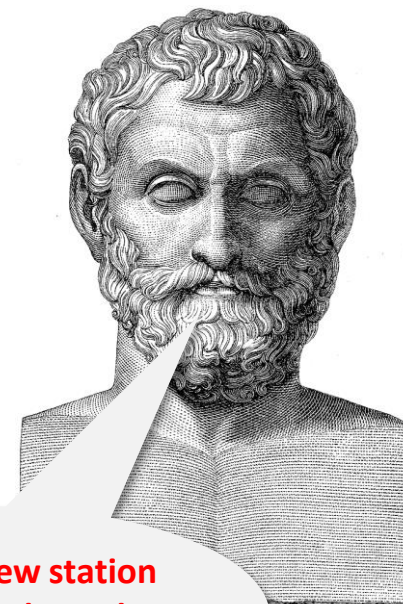
▼ Station characteristics

| | | |
|------------------------|--|---|
| Name: * | <input type="text"/> | ⚠ |
| Station alias: | Add station alias | |
| Date established: * | <input type="text"/> | ⚠ |
| Station type: * | Land (fixed) (Observing facility on solid terrain, at fixed position) | ⚠ |
| Station class(es): | Add class | |
| WMO index No: * | <input type="text"/> | ⚠ |
| WMO region: * | <input type="text"/> | ⚠ |
| Country / territory: * | Add country / territory | ⚠ |
| Coordinates: * | Add latitude / longitude / elevation / geopositioning method | ⚠ |
| Time zone: * | Add time zone | ⚠ |
| Climate zone: | Add climate zone | |
| URL: * | <input type="text"/> | |
| (URL): * | <input type="text"/> | |

No idea what the field is for? Use the blue «help» sign next to the field for help

New station or updating an existing?

- OSCAR/Surface is «observation centric»
- This means several (unrelated) observations taken in the same area can be part of the same station
- Local conditions, such as administrative or access control, can justify creating a new station
- Decision best made locally



Creating a new station
or not depends on the
point of view

Thank you Merci



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