

The use of OSCAR/Surface to designate GBON stations and The GBON Web tool

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WMO OMM

World Meteorological Organization

Organisation météorologique mondiale

How to designate a GBON station

This is the same as affiliating a station already existing in OSCAR/Surface to the GBON “programme/network”, following these steps:

1. Login to OSCAR/Surface and identify the intended station
2. Open the station and go into Edit mode
3. Click on Add program/network affiliation, to open a dialogue box
4. On the field “Program/network affiliation”, open the “affiliations tree” and select GBON which is under WIGOS/GOS/GOS Surface Networks/, then click “Add”
5. Select one or more variables to be affiliated to GBON and then click “Insert”
6. The preliminary results will be shown on the Station page (“*Station report*”)
7. Finally, select “Save” at the bottom to make the changes go into effect

Steps 1, 2

OSCAR Observing Systems Capability Analysis and Review Tool

Home Search Critical review

World Meteorological Organization

Swiss Confederation

Federal Department of Home Affairs FDMA
Federal Office of Meteorology and Climatology MeteoSuisse

OSCAR Observing Systems Capability Analysis and Review Tool

Home Search Critical review Management

World Meteorological Organization

Swiss Confederation

Federal Department of Home Affairs FDMA
Federal Office of Meteorology and Climatology MeteoSuisse

Quick access

Generate station report by:

Generate station lists by:

Find people by:

Filter map

By program / network:

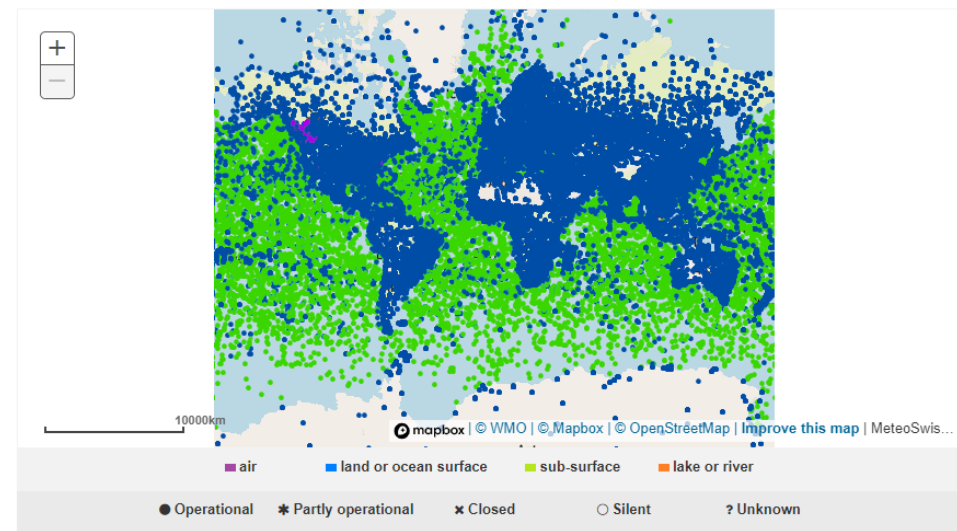
By reporting status:

 Declared Assessed

By station type:

Welcome to OSCAR/Surface

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



Latest news

- 2022-09-29 [Maintenance on 05.10.2022](#)
Due to maintenance works the application will not be available on 05.10.2022 from 16:00 UTC to 16:30 UTC. We apologize for any inconvenience.
- 2022-09-27 [Update: Issue with the contact form solved](#)
Dear user
The support and feedback forms are available...
- 2022-09-23 [Maintenance on 23.09.2022](#)
Due to the installation of a patch release the application will not be available on Friday 23.09.2022 from 13:00 UTC for around 10 minutes. Please make sure you are logged out and your edits are saved before the installation...

- Stations
 - Register new station
 - Generic form
 - SYNOP template
 - AWS template
 - Pilot station template
 - Radioonde template
 - Pending approvals
 - My stations
 - View linked stations
 - Add program / network affiliation
- Contacts
 - Register new contact
 - My contacts
 - Manage machine access
- Reference data
 - Instruments
 - Methods
 - Variables
 - Organizations
 - Programs
- Administration
 - User management
 - Audit logs
 - Template management
- WMDR
 - XML submission

Homepage > Management > Stations > Station report details

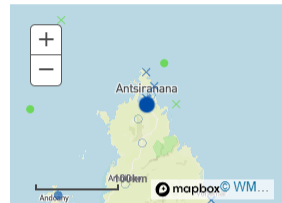
ANTSIRANANA (Madagascar)

in WMO Region I - Africa

Last updated: 2022-02-08 by Ralainiroro Herinjanahary

Station characteristics

Name:	ANTSIRANANA				
Station alias:					
Date established:	1901-01-01				
Date closed:					
Regional WIGOS Center:	Southern Africa				
Declared reporting status:	Operational				
Assessed reporting status:	Partly operational				
Station type:	Land (fixed)				
WIGOS Station Identifier(s):	<table><thead><tr><th>WIGOS Station Identifier</th><th>Primary</th></tr></thead><tbody><tr><td>0-20000-0-67009</td><td><input checked="" type="checkbox"/></td></tr></tbody></table>	WIGOS Station Identifier	Primary	0-20000-0-67009	<input checked="" type="checkbox"/>
WIGOS Station Identifier	Primary				
0-20000-0-67009	<input checked="" type="checkbox"/>				



WMO region:	I - Africa
Country / Territory:	> Madagascar
Coordinates:	> 12.3500°S, 49.3000°E, 114m
Time zone:	
Supervising organization:	> Direction Générale de la Météorologie [Madagascar]
Station URL:	
Other link (URL):	
Site description:	> The station was originally registered based on WMO Pub 9 Vol A information containing these observation remarks: A:CLIMAT(C);EVAP;GSN;METAR;RBCN;RBSN(S);SOILTEMP;SPECI;SUNDUR;WT (see code table A for explanations). These remarks imply the following additional observations that could not be registered automatically: none.
Climate zone:	
Predominant surface cover:	
Surface roughness:	
Topography or bathymetry:	
Population in 10km / 50km (in thousands):	
Station / platform event logbook:	

Photo gallery

There are no photos available for this station.

Programs / network affiliations

Note: OSCAR/Surface regularly receives from external systems the assessed status of certain programs. The validity of received assessment is shown in the expanded view. If a new assessment is not available after a certain time OSCAR/Surface shows the status "unknown". For programs that are not assessed OSCAR/Surface displays the status "unknown".

Program / network affiliation	Program specific ID	Affiliation status	Declared status	Assessed status
> CLIMAT(C) - to be deprecated		Approved	Closed	Unknown

(*) = Mandatory field in OSCAR/Surface to save the station
 (**) = Mandatory field according to the WIGOS Metadata Standard

Station characteristics

Basic view Advanced view

Name: *

Date established: *

Date closed:

Station type: *

Regional WIGOS Center:

Declared reporting status:

Assessed reporting status:

Country / territory: * [+ Add country / territory](#)

Country / Territory	From	Actions
Madagascar	2016-04-28	✎ ✕

WIGOS Station Identifier(s): * [+ Add WIGOS Station Identifier](#)

WIGOS Station Identifier	Primary	Actions
0-20000-0-67009	<input checked="" type="checkbox"/>	✎ ✕

Coordinates: * [+ Add latitude / longitude / elevation / geopositioning method](#)

Latitude	Longitude	Station elevation	Geopositioning method	From	Actions
12.3500°S	49.3000°E	114		2016-04-28	✎ ✕

WMO region: *

Time zone: ** [+ Add time zone](#)

Supervising organization: ** [+ Add supervising organization](#)

Name	From	Actions
Direction Générale de la Météorologie [Madagascar]	2016-04-28	✎ ✕

Climate zone: [+ Add climate zone](#)

Predominant surface cover: [+ Add predominant surface cover](#)

Topography or bathymetry: [+ Add topography or bathymetry](#)

Population in 10km / 50km (in thousands): [+ Add population](#)

Programs / network affiliations

[+ Add program / network affiliation *](#)

Program / network affiliation Program specific ID Affiliation status Declared status From To Actions

Steps 3, 4

Add program / network affiliation

Program / network affiliation: *

Program specific ID:

Declared status: ** [+ Add status](#)

Observations / Measurement programs:

Affiliated	Variable	Geometry
<input type="checkbox"/>	Air temperature (at specified distance from reference surface)	Point
<input checked="" type="checkbox"/>	Atmospheric pressure	Point
<input type="checkbox"/>	Cloud amount	Point
<input type="checkbox"/>	Evaporation	Point
<input type="checkbox"/>	Height of cloud base	Point
<input type="checkbox"/>	Horizontal wind direction at specified distance from reference surface	Point
<input type="checkbox"/>	Horizontal wind speed at specified distance from reference surface	Point
<input type="checkbox"/>	Humidity (at specified distance from reference surface)	Point
<input type="checkbox"/>	Past weather	Point
<input type="checkbox"/>	Present weather	Point
<input type="checkbox"/>	Soil temperature	(unknown)
<input type="checkbox"/>	Sunshine duration	Point
<input type="checkbox"/>	Type of cloud	Point
<input type="checkbox"/>	Visibility	Point



Steps 5, 6, 7

Select program / network affiliation

Search

- Centennial Observing Stations
 - Co-sponsored
 - Non-affiliated
 - WIGOS
 - GAW
 - GCW
 - GOS
 - GOS Contributing networks
 - GOS Other elements
 - GOS Surface networks
 - ANTON
 - GBON**
 - GOS General
 - RBCN
 - RBON
 - RBSN
 - WHOS

Add Close

Add program / network affiliation

Program / network affiliation:* GBON

Program specific ID:

Declared status:** Add status

Observations / Measurement programs:

Affiliated	Variable	Geometry
<input type="checkbox"/>	Air temperature (at specified distance from reference surface)	Point
<input checked="" type="checkbox"/>	Atmospheric pressure	Point
<input type="checkbox"/>	Cloud amount	Point
<input type="checkbox"/>	Evaporation	Point
<input type="checkbox"/>	Height of cloud base	Point
<input type="checkbox"/>	Horizontal wind direction at specified distance from reference surface	Point
<input type="checkbox"/>	Horizontal wind speed at specified distance from reference surface	Point
<input type="checkbox"/>	Humidity (at specified distance from reference surface)	Point
<input type="checkbox"/>	Past weather	Point
<input type="checkbox"/>	Present weather	Point
<input type="checkbox"/>	Soil temperature	(unknown)
<input type="checkbox"/>	Sunshine duration	Point
<input type="checkbox"/>	Type of cloud	Point
<input type="checkbox"/>	Visibility	Point

Insert Close

Programs / network affiliations

Add program / network affiliation *

Program / network affiliation	Program specific ID	Affiliation status	Declared status	From	To	Actions
> CLIMAT(C) - to be deprecated		Approved	Closed	2022-06-07		
> RBCN - deprecated		Approved	Closed	2022-06-07		
> RBSN(S) - deprecated		Approved	Closed	2022-06-07		
RBON		Approved	Operational	2022-06-07		
GOS General		Approved	Operational	1901-01-01		
GSN		Approved	Operational	1901-01-01		
GBON						

Observations / measurements

Add measurement program *

- > Air temperature (at specified distance from reference surface) - [Geometry: Point]
- > Atmospheric pressure - [Geometry: Point]
 - Edit data series information
 - Delete data series information

Variable: Atmospheric pressure
Geometry: Point
Programs / network affiliation: GSN, RBSN(S) - deprecated, **RBON**, **GBON**

Last updated: On 2016-05-31

- > Deployments
- > Cloud amount - [Geometry: Point]
- > Evaporation - [Geometry: Point]
- > Height of cloud base - [Geometry: Point]
- > Horizontal wind direction at specified distance from reference surface - [Geometry: Point]
- > Horizontal wind speed at specified distance from reference surface - [Geometry: Point]
- > Humidity (at specified distance from reference surface) - [Geometry: Point]
- > Past weather - [Geometry: Point]
- > Present weather - [Geometry: Point]
- > Soil temperature - [Geometry: (unknown)]
- > Sunshine duration - [Geometry: Point]
- > Type of cloud - [Geometry: Point]
- > Visibility - [Geometry: Point]

Station contacts

Bibliographic references

Documents

Save Cancel

How to remove (un-assign) a station from GBON

- This is the same as removing the affiliation of a station already pre-assigned to the GBON “programme/network”, in OSCAR/Surface:
 1. Login to OSCAR/Surface and identify the intended station
 2. Open the station and go into Edit mode
 3. Under the list of “Program/network affiliations”:
 - Click on Delete GBON program/network affiliation, on the respective line (under “Actions”)
 4. Or, select one or more variables that are affiliated to GBON and click “Delete”
 5. On each case, a dialogue box will pop up asking for confirmation
 6. Finally, select “Save” at the bottom to make the changes go into effect

Removing GBON affiliation

Assessed reporting status: Operational

Country / territory: Add country / territory

Country / Territory	From	Actions
Madagascar	2016-04-28	

WIGOS Station Identifier(s): Add WIGOS Station Identifier

WIGOS Station Identifier	Primary	Actions
0-20000-0-67083	<input checked="" type="checkbox"/>	

Coordinates: Add latitude / longitude / elevation / geopositioning method

Latitude	Longitude	Station elevation	Geopositioning method	From	Actions
18.8000°S	47.4833333333°E	1279		2016-04-28	

WMO region: I - Africa

Time zone: Add time zone

Supervising organization: Add supervising organization

Name	From	Actions
Direction Générale de la Météorologie [Madagascar]	2016-04-28	

Climate zone: Add climate zone

Predominant surface cover: Add predominant surface cover

Topography or bathymetry: Add topography or bathymetry

Population in 10km / 50km (in thousands): Add population

Programs / network affiliations Add program / network affiliation

Program / network affiliation	Program specific ID	Affiliation status	Declared status	From	To	Actions
GBON		Pending	Operational	2022-09-08		
CLIMAT(C) - to be deprecated		Approved	Closed	2022-06-07		
RBCN - deprecated		Approved	Closed	2022-06-07		
RBSN(ST) - deprecated		Approved	Closed	2022-06-07		
RBON		Approved	Operational	2022-06-07		
GOS General		Approved	Operational	1941-01-01		
GSN		Approved	Operational	1941-01-01		
GUAN		Approved	Operational	1941-01-01		

Observations / measurements

Add measurement program

- Air temperature (at specified distance from reference surface) - [Geometry: Point]
- Atmospheric pressure - [Geometry: Point]
 - Edit data series information Delete data series information
 - Variable: Atmospheric pressure
 - Geometry: Point
 - Programs / network affiliation:
 - GSN
 - RBSN(ST) - deprecated
 - RBON
 - GBON
 - Last updated: On 2016-05-31
- Deployments
- Atmospheric pressure profile - [Geometry: Vertical profile]
- Cloud amount - [Geometry: Point]
- Evaporation - [Geometry: Point]
- Height of cloud base - [Geometry: Point]
- Horizontal wind direction at specified distance from reference surface - [Geometry: Point]
- Horizontal wind speed at specified distance from reference surface - [Geometry: Point]
- Humidity (at specified distance from reference surface) - [Geometry: Point]
- Past weather - [Geometry: Point]
- Present weather - [Geometry: Point]
- Soil temperature - [Geometry: (unknown)]
- Temperature profile - [Geometry: Vertical profile]
- Type of cloud - [Geometry: Point]
- Upper wind (X, Y components, horizontal) - [Geometry: Vertical profile]
- Visibility - [Geometry: Point]
- Watervapor profile - [Geometry: Vertical profile]

Correct data series

Please use this screen only to correct input errors.

Variable: Atmospheric pressure

Geometry: Point (a zero-dimensional feature)

Programs / network affiliations: Add program / network affiliation

Name	Actions
GSN	
RBSN(ST) - deprecated	
RBON	
GBON	

Update Close

Delete program / network affiliation

You are about to permanently delete metadata information that cannot be restored. Are you sure you wish to delete this program / network affiliation?

Yes No



Remarks

- The role of NFPs WIGOS and NFPs OSCAR/Surface is critical
- OSCAR/Surface allows affiliating/un-affiliating stations to GBON
- This presentation covers only a small portion of how to manage metadata in OSCAR/Surface
 - Users manual and learning material are available
 - Webinars/online courses are organized
- The “GBON Station Designation Webtool” (GBON Webtool) is a visualization only tool
 - Allows identifying which stations are GBON approved vs pending, reflecting what is actually in OSCAR/Surface
 - Doesn’t allow changing any affiliations

GBON Webtool

<https://wmo.maps.arcgis.com/apps/webappviewer/index.html?id=795bbc05ca8a4da7a5f5f0aebb210aa8&locale=en>

GBON Station Designation Web Tool use the options in the table to export the station list

The designations employed on this map are in conformity with United Nations practice. The ...

GBON stations

Options Filter by map extent Zoom to Clear selection Refresh

member_territory	station-name	WIGOS-ID	station-class	program	station approval status	station e
Algeria	ADRAR	0-20000-0-60620	SYNOP	GBON	Pending approval	
Algeria	ALGER-PORT	0-20000-0-60369	SYNOP	GBON	Pending approval	
Algeria	ANNABA	0-20000-0-60360	SYNOP	GBON	Pending approval	
Algeria	ARZEW	0-20000-0-60452	SYNOP	GBON	Pending approval	
Algeria	BATNA	0-20000-0-60468	SYNOP	GBON	Pending approval	
Algeria	BECHAR	0-20000-0-60571	SYNOP and Upper-Air	GBON	Pending approval	
Algeria	BEJAIA-AEROPORT	0-20000-0-60402	SYNOP	GBON	Pending approval	
Algeria	BISKRA	0-20000-0-60525	SYNOP	GBON	Pending approval	
Algeria	CHLEF	0-20000-0-60425	SYNOP	GBON	Pending approval	
Algeria	CONSTANTINE	0-20000-0-60419	SYNOP	GBON	Pending approval	

7509 features 0 selected



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Thank You