



New User Interface for FMLIST & MWLIST

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In cooperation with Günter Lorenz

21.10.2022



A better way to search, filter and analyze logs

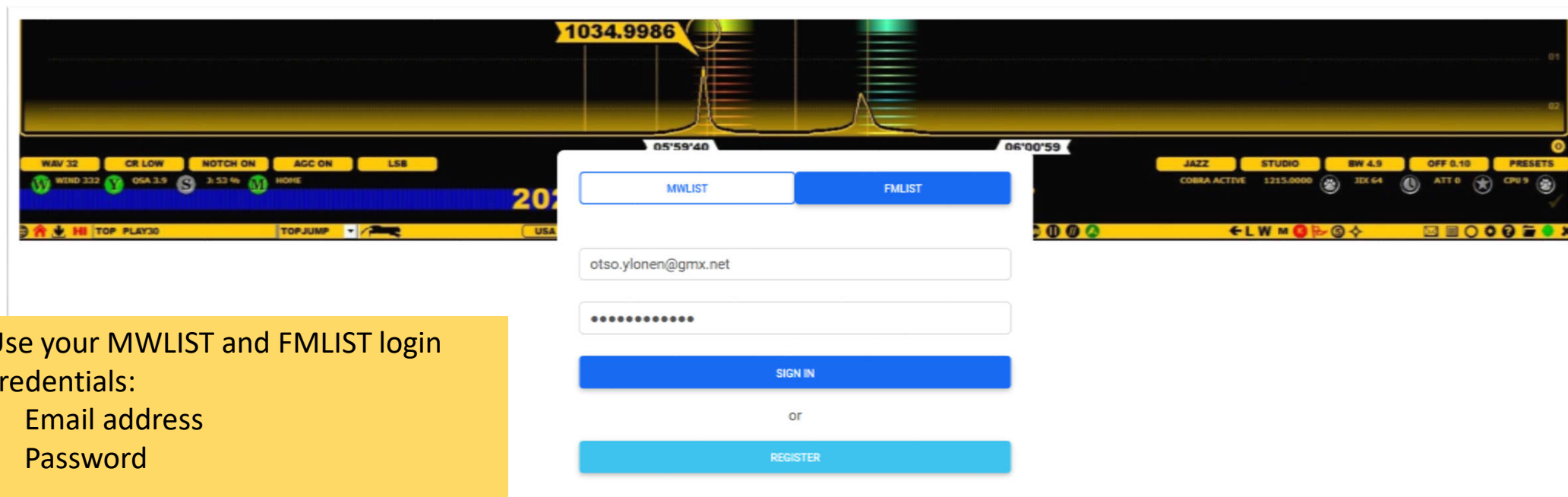
- A modern user interface to logs entered via FMLIST and MWLIST
- Versatile search filters and tools
- User credits (esim. SDXL- ja peditionnimimerkit)
- Displaying selected logs and transmitter sites on map
- Responsive design: works well with mobile devices, too
- Possibility to export to Excel or a text file for further processing

- New features in the pipeline

21.10.2022



Login Screen <https://www.dxing.fi/log>



1034.9986

05:59:40 06:00:59

WAV 32 CR LOW NOTCH ON AGC ON LSB

WIND 332 Y QSA 3.9 S 3.53 Hz HOME 20

JAZZ STUDIO BW 4.9 OFF 0.10 PRESETS

COBRA ACTIVE 1215.0000 JDX 64 ATT 0 CPU 9

← LW M

MWLIST FMLIST

otso.ylonen@gmx.net

.....

SIGN IN

or

REGISTER

Use your MWLIST and FMLIST login credentials:

- Email address
- Password

Click **REGISTER** here, to go to **MWLIST/FMLIST** to create credentials.

Search for AM Logs

DX-Log 3.0 AM [HOME](#) [ADD](#) [SEARCH](#) [FAVORITES -](#) [LOGOUT](#)

AM Search

Band: Range × ▼

DX Target Areas: Area ▼

Territory: Country ▼

Region: Region ▼

Frequency, kHz: Min Max

Station: Name TX site

Logging Date: Start End

Listening Date: Start End

Time, UTC: Start End

Logs since: Last login/hrs/days/ × ▼

Month: Start × ▼ End × ▼

Distance, km: Min Max

Bearing, °: Start End

Power, kW: Min Max

Logger: Credit Logger Country ▼

Extra: ☐ Plus ☐ Underline ☐ Tentative ☐ Pinned

[SEARCH](#) [CLEAR](#) [MAP](#) [STATS](#)

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Search for FM Logs

DX-Log 3.0 FM

HOME

ADD

SEARCH

FAVORITES -

LOGOUT

FM Search

Band

Range

×

DX Target Areas

Area

▼

Territory

Country

▼

Region

Region

▼

Frequency, MHz

Min

▼

Max

▼

Station

Name

TX site

Logging Date

Start

▼

End

▼

Listening Date

Start

▼

End

▼

Time, UTC

Start

▼

End

▼

Logs since

Last login/hrs/days/

×

▼

Month

Start

×

▼

End

×

▼

Distance, km

Min

▼

Max

▼

Bearing, °

Start

▼

End

▼

Power, kW

Min

▼

Max

▼

RDS

PI

PS

Logger

Credit

Logger Country

▼

Extra

☐ Plus

☐ Underline

☐ Tentative

☐ Pinned

Propagation

Mode

▼

SEARCH

CLEAR

MAP

STATS

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Field-by-field deep dive

DX-Log 3.0 FM

HOME ADD SEARCH FAVORITES - LOGOUT

Band
Range

Frequency, MHz
Min Max

Listening Date
Start End

Distance, km
Min Max

Logger
Credit

Q SEARCH CLEAR

AM

- LW
- MW
- SW
- All

FM

Date

- Personal achievements
- Rarities
- Tentative logs
- Logs to be "p"
- Logs to be "p"

Station

- To get an international type e.g. "1900"
- Same date in both field gives just one day

Logger Credit

- SDXL-n
- Wildca
- To get an international type e.g. "1900"
- Same date in both field gives just one day

Instructions to edit

If empty, and no Logger Credit is defined, your own logs are shown.

Specific list of

Time name as defined in

Country

Countries with an ITU Code

Name of the TX site

- This is not the studio location. It

g when stations

ny hours/days ago

Loggings

logs were entered to

TX power in kW

- Same value in both

I fields gives just that


power level.

RDS (FM only, work in progress)

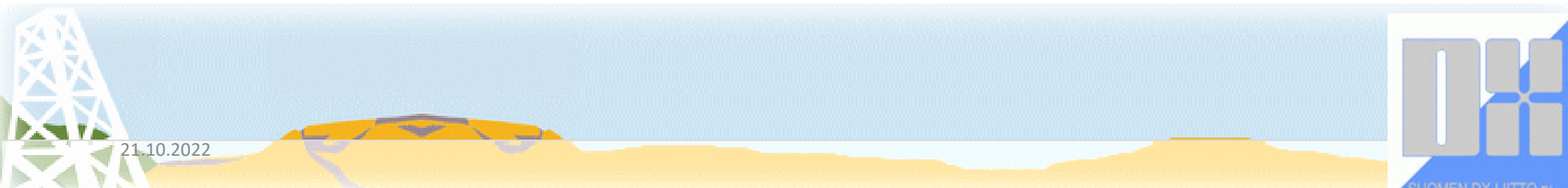
- To search logged RDS codes

QTH resides

selection

What happens if I just press **Enter** or click  ?

- If you do not fill in anything on the Search screen, you will be presented with your own loggings from the past one year.
- Logs made from all your MWLIST or FMLIST QTHs will be shown.



Search results – frequency

ALL: 1 165 logs, 424 stations / 2 loggers.

Q SEARCH CLEAR MAP STATS 1 165 of 1 165 logs: 424 stn /

ALL EU BI IB ME AF AS OC

Loggers

Loggers

OSY/Salo-LK

2021-10-22: 43 log | 43 st | 14 itu | 1 om
2021-11-20: 33 log | 33 st | 6 itu | 1 om
2021-11-21: 18 log | 18 st | 8 itu | 1 om
2021-11-22: 21 log | 21 st | 9 itu | 1 om
2021-11-23: 42 log | 38 st | 8 itu | 1 om
2021-11-24: 14 log | 14 st | 6 itu | 1 om
2021-11-25: 61 log | 61 st | 13 itu | 1 om
2021-12-12: 30 log | 29 st | 8 itu | 1 om
2021-12-14: 22 log | 22 st | 7 itu | 1 om
2021-12-16: 8 log | 8 st | 3 itu | 1 om
2021-12-17: 27 log | 27 st | 8 itu | 1 om
2021-12-18: 32 log | 32 st | 5 itu | 1 om
2021-12-19: 83 log | 83 st | 9 itu | 1 om
2021-12-30: 38 log | 37 st | 6 itu | 1 om
2021-12-31: 64 log | 64 st | 8 itu | 1 om
2022-01-06: 24 log | 24 st | 5 itu | 1 om

Dropdown menu which allows selection of different Credits to show only loggings made by one listener (=one Credit, i.e. QTH)

Number of displayed and found loggings
Number of stations
Number of countries
Number of listeners (Credits, i.e. different QTHs)

The MAP button result on a map area.

No new search is displayed
All logs can be seen

Below the search result, you can save it either as an Excel file or a text file.

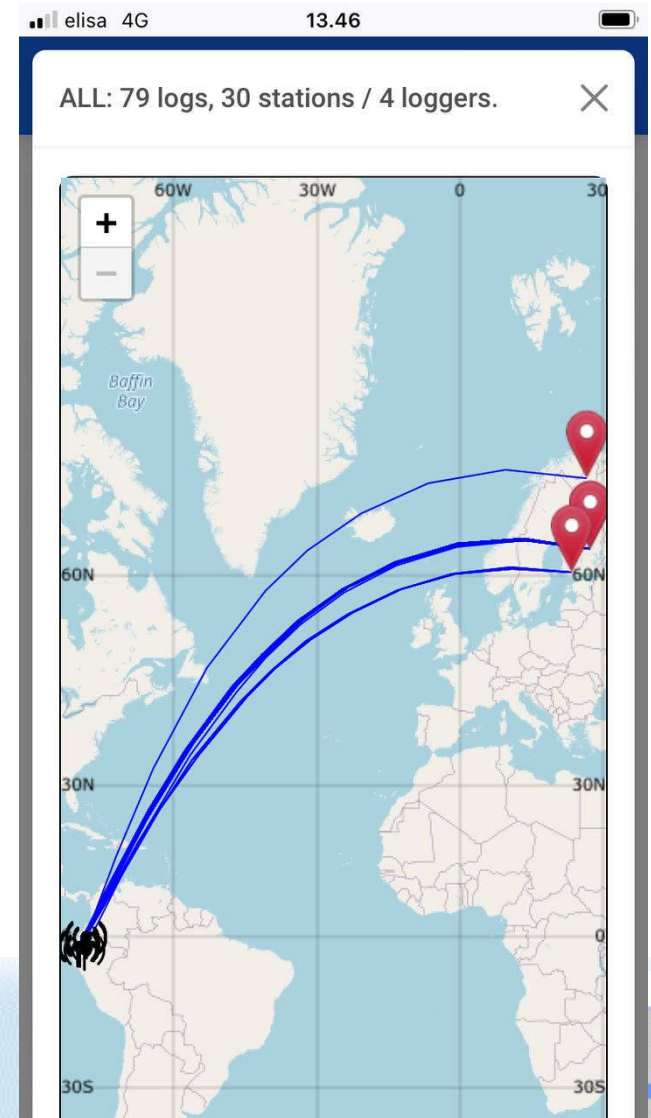
SAVE AS EXCEL SAVE AS TEXT

| | | | |
|------|------------|-------|-------------------------------|
| 1670 | 25.11.2021 | 0110- | MEX: tent. XEFCR, Reynosa TAM |
| 1670 | 20.09.2021 | 0107- | USA: WOZN, Madison WI. CBS S |
| 1670 | 17.09.2021 | 0255- | USA: KHPY - ESNE Radio, Morer |
| 1690 | 22.10.2021 | 0451- | USA: WMLB - Freedom 1690, Av |

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Does it work on my phone?

All functionality is available also on mobile devices, like your smartphone.



More on Logger fields

You can search for

- your own logs made from any QTH by leaving both Logger fields empty.
- loggings by a certain listener by using his/her **Credit** (=nimimerkki)
- loggings from a country or group of countries (e.g. FIN, SWE, NOR)

Credit field accepts % as a wildcard.

Logger

Credit

Logger Country ▼

3 items set X ▼

nor

☐ MKD North Macedonia

☐ MRA Northern Mariana Is

☐ NFK Norfolk Island (AUS)

☒ NOR Norway

Logger

JJJ

Logger

%Utö%

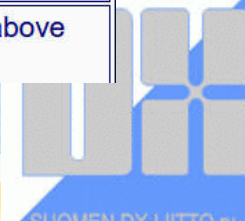
The new Credit field
in MWLIST & FMLIST

Credit *

OSY/Suonenjoki
field

If you are not sure what this is, make it identical to the above

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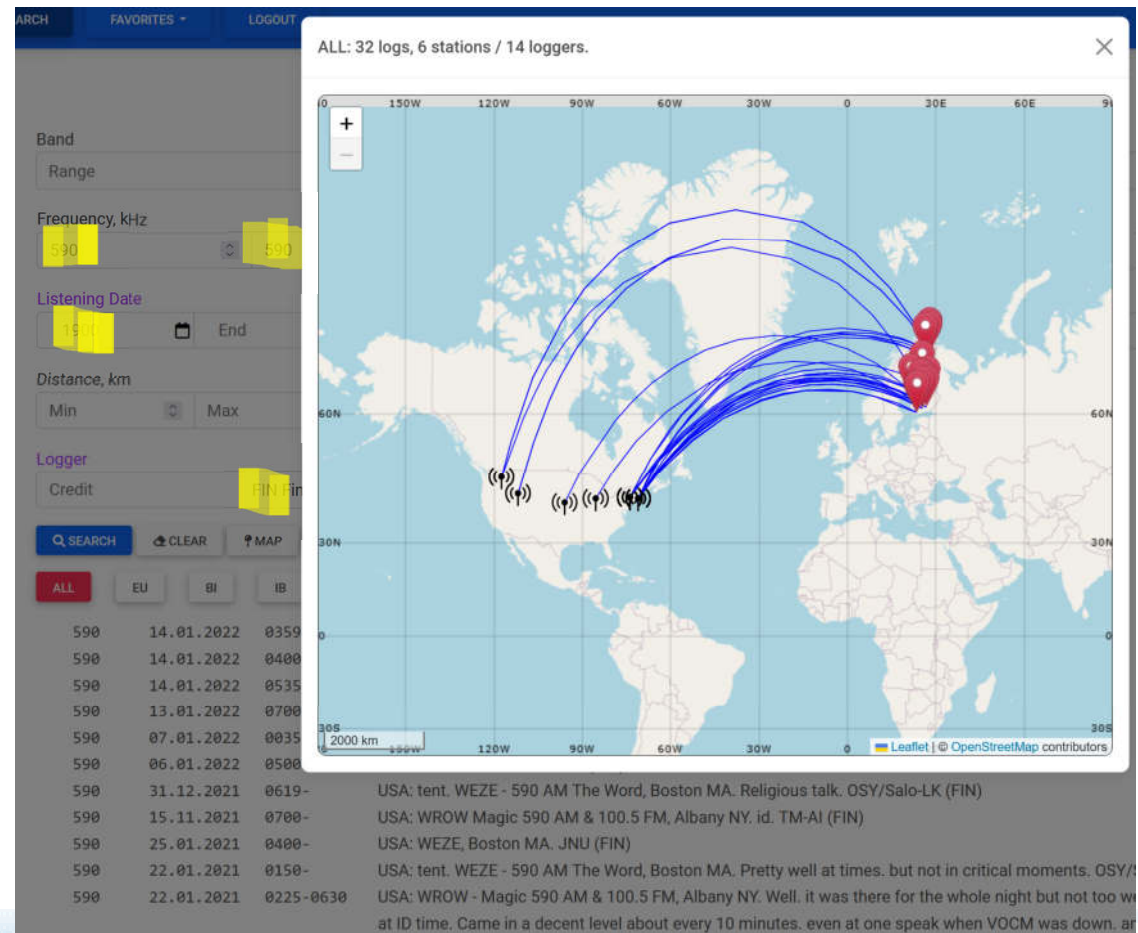


Filter: Frequency

You can enter min, max or both.

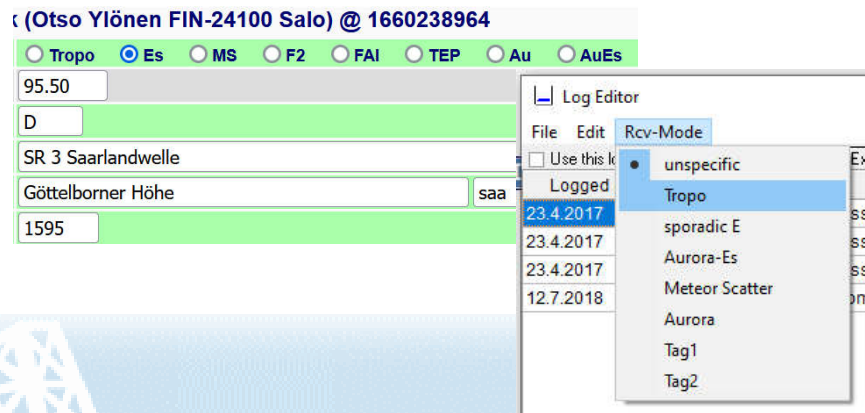
To search loggings from a certain frequency, enter the same value to both fields.

Example: US stations on 590 kHz logged in Finland

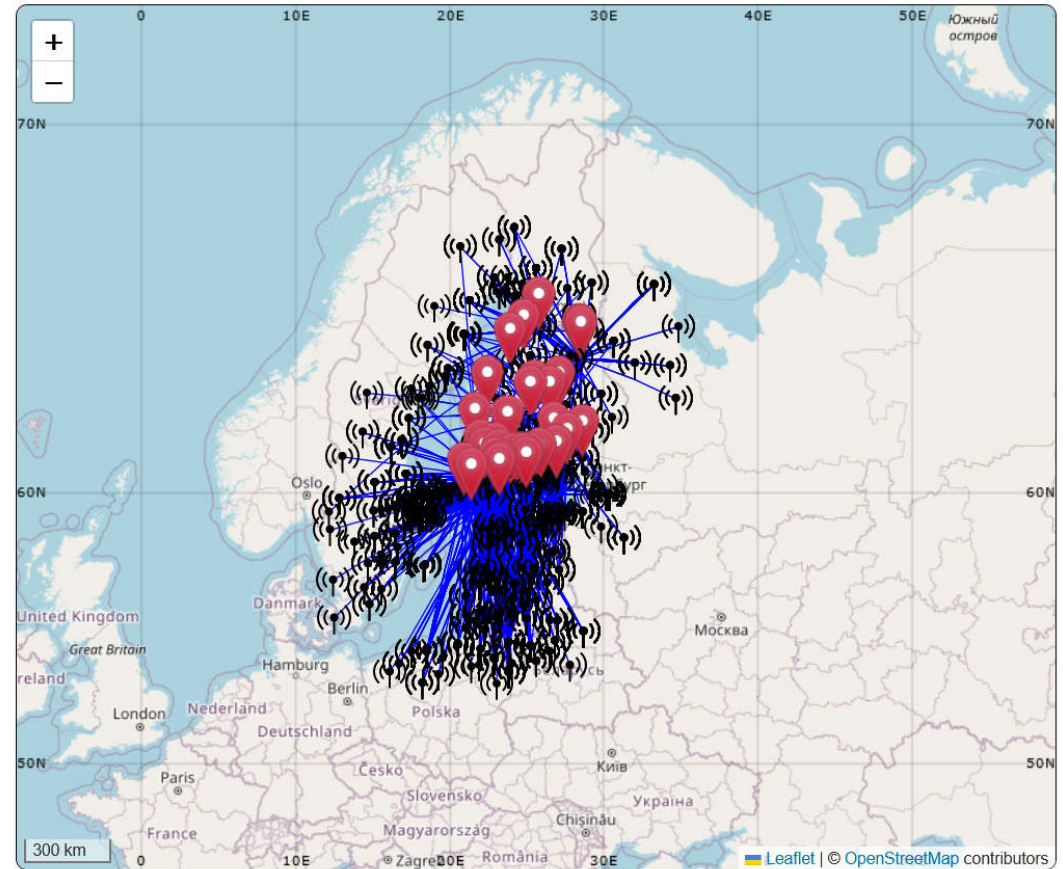


Filter: Propagation

FM Loggings can be filtered by using the propagation selected by the listener when creating the log with FMLIST or StationList.



ALL: 1 329 logs, 519 stations / 34 loggers.



Tropo logs from 2022

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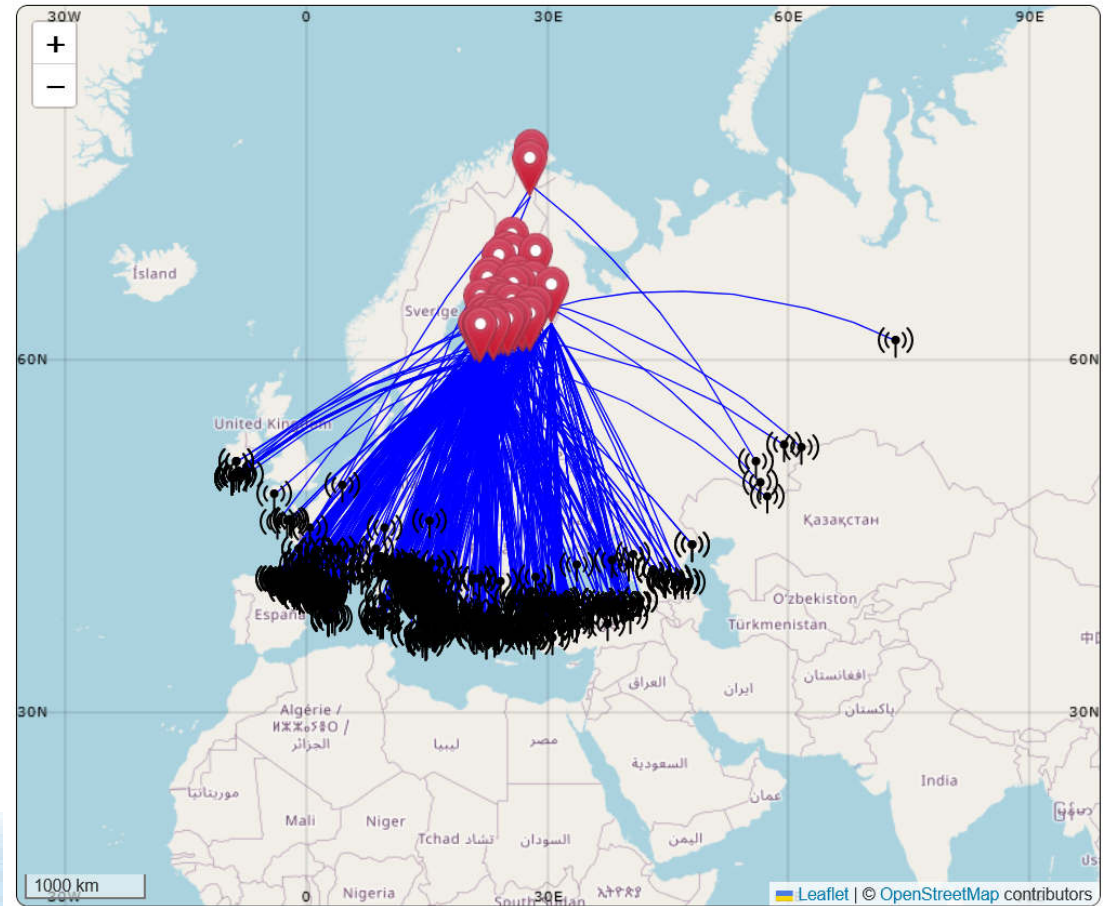


Filter: Distance

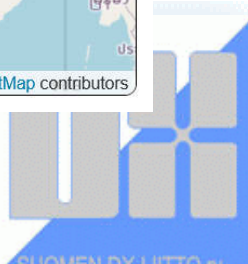
Minimum and maximum distance can be specified

Example: Es stations in the distance of 2300 to 2600 km logged in Finland during the past year

ALL: 867 logs, 596 stations / 50 loggers.



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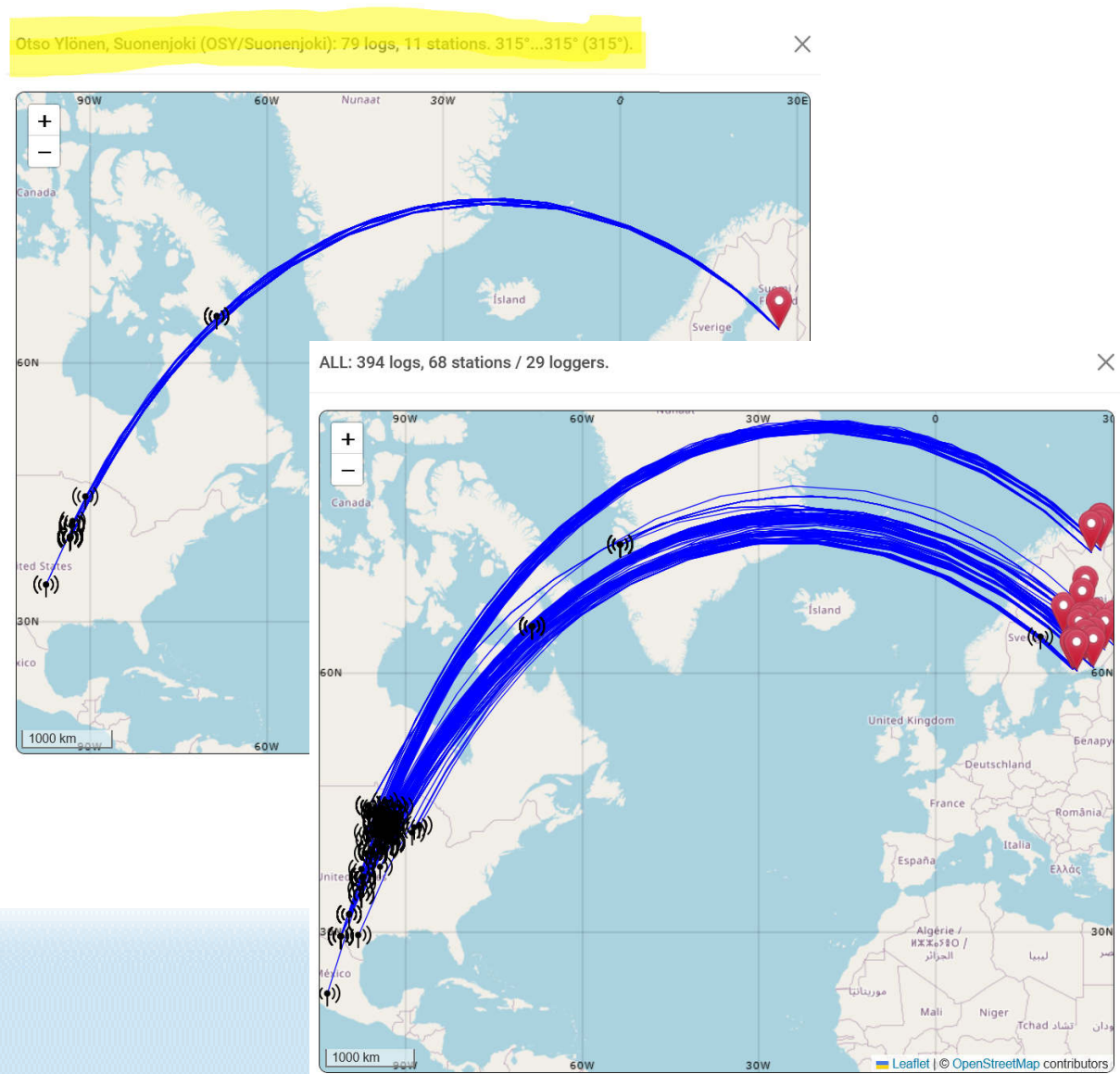


Filter: Bearing

Minimum and maximum azimuth can be specified

Example: AM stations logged from the direction of 315 degrees in Finland.

One QTH vs. all Finnish listeners



Filter: Power

Minimum and maximum ERP power can be specified

Example: UK FM stations with max 50 W logged from anywhere during last year

Band: FM CCIR (87-108 MHz) X

DX Target Areas: Area

Territory: G United Kingdom X

Frequency, MHz: Min Max

Station: Name TX site

Logging Date: Start

Listening Date: Start End

Time, UTC: Start End

Logs since: Last login/hrs/days/ X

Distance, km: Min Max

Bearing, °: Start End

Power, kW: Min 0.05

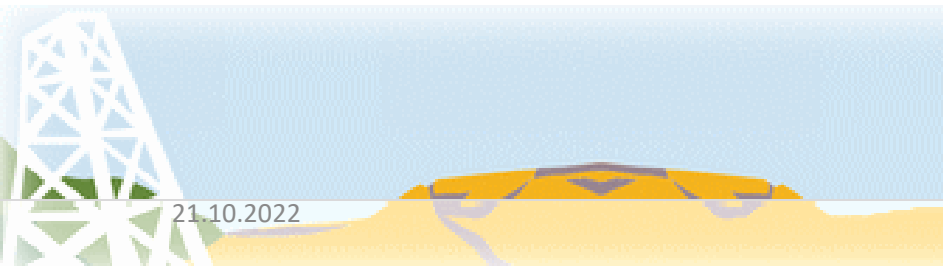
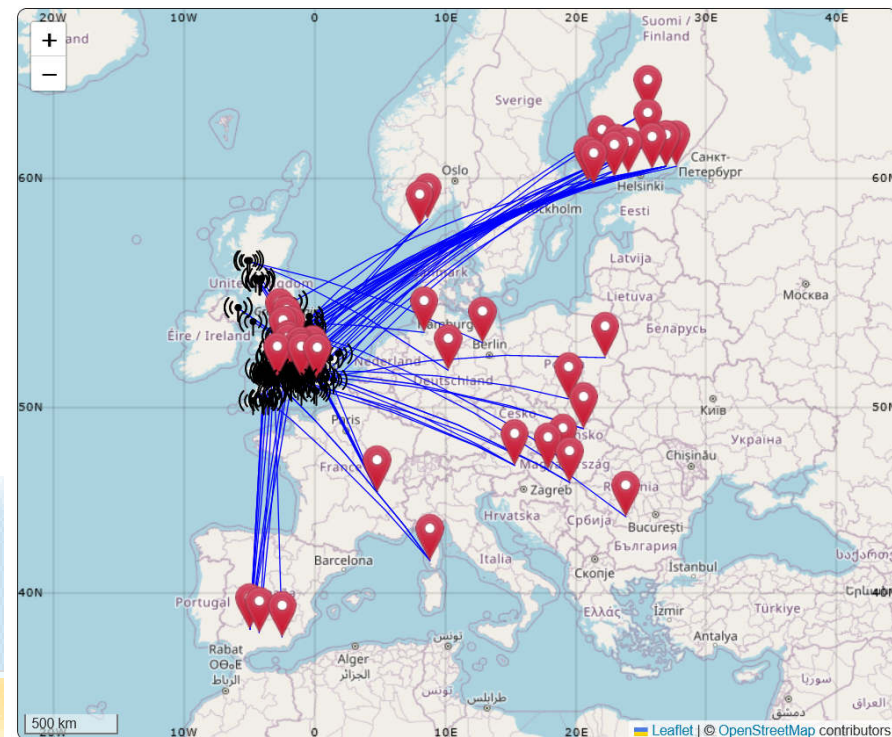
Logger: %

Logger Country:

Extra: ☐ Plus ☐ Underline ☐ Tentative ☐ Pinned

Propagation: Mode

ALL: 141 logs, 99 stations / 44 loggers.



Filter: Month-range

Stations logged in certain months over a given range of years

Example: MW Oceanians logged in Finland in June-August over the years

AM Search

Band: Range X ▼ DX Target Areas: Oceania X ▼ Territory: Country ▼ Region: Region ▼

Frequency, kHz: Min Max Station: Name TX site Logging Date: Start End

Listening Date: 1900 End Time, UTC: Start End Logs since: Last login/hrs/days/ X ▼ Month: June X ▼ August X ▼

Distance, km: Min Max Bearing, °: Start End Power, kW: Min Max

Logger: FIN Finland Extra: ☐ Plus ☐ Underline ☐ Tentative ☐ Pinned

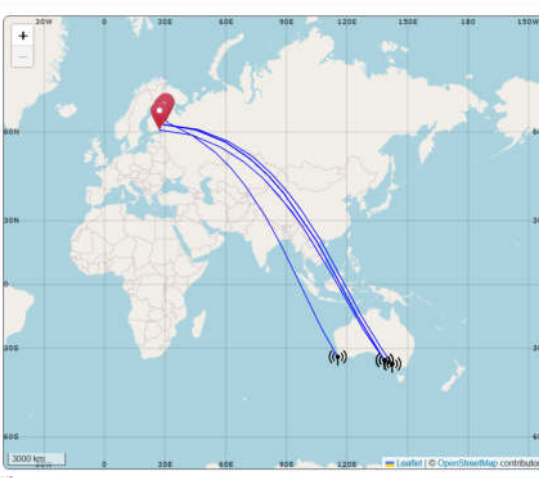
SEARCH CLEAR MAP STATS 30 of 30 logs: 6 stn / 1 itu / 4 loggers. Loggers

ALL EU BI IB ME AF AS OC NA CA SA AN

| | | | |
|------|------------|-------|--|
| 594 | 18.08.2021 | 1959- | AUS: 3WV ABC Western Victoria, Horsham/Dooen VIC. V |
| 594 | 17.08.2021 | 2000- | AUS: 3WV ABC Western Victoria, Horsham/Dooen VIC. V |
| 594 | 29.07.2021 | 2000- | AUS: 3WV ABC Western Victoria, Horsham/Dooen VIC. V |
| 729 | 31.08.2021 | 1729- | AUS: SRN ABC Radio National, Adelaide/Reynella SA. VH |
| 729 | 29.08.2021 | 1730- | AUS: SRN ABC Radio National, Adelaide/Reynella SA. VH |
| 729 | 26.08.2021 | 1830- | AUS: SRN ABC Radio National, Adelaide/Reynella SA. VH |
| 729 | 26.08.2021 | 1838- | AUS: SRN ABC Radio National, Adelaide/Reynella SA. PS |
| 729 | 15.08.2021 | 1830- | AUS: SRN ABC Radio National, Adelaide/Reynella SA. VH |
| 729 | 09.08.2021 | 1930- | AUS: SRN ABC Radio National, Adelaide/Reynella SA. VH |
| 891 | 31.07.2022 | 1930- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 31.08.2021 | 1729- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 30.08.2021 | 1730- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 28.08.2021 | 1730- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 26.08.2021 | 1805- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. PSO Kotl |
| 891 | 26.08.2021 | 1830- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 26.08.2021 | 1937- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. PSO Kotl |
| 891 | 23.08.2021 | 1930- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 21.08.2021 | 1759- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 17.08.2021 | 2000- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 15.08.2021 | 1830- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 12.08.2021 | 2000- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 09.08.2021 | 1930- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 08.08.2021 | 1930- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 03.08.2021 | 2000- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 29.07.2021 | 2000- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 891 | 27.07.2021 | 2030- | AUS: SAN ABC Adelaide, Adelaide/Reynella SA. VHI/M (F |
| 1152 | 22.06.2021 | 0816- | AUS: 6PB ABC Newsradio, Busseton/Kealy WA. 21.06.2021 2100 after Romania c/d. Seems to be rather common in midsummer. MR (FIN) |
| 1152 | 22.07.2020 | 1959- | AUS: 6PB ABC Newsradio, Busseton/Kealy WA. Best at 2000. on 1151.995 kHz. MR (FIN) |
| 2325 | 23.08.2010 | 1728- | AUS: VL8T ABC Darwin, Tennant Creek NT. Tel-talk. MNJOE (FIN) |
| 2485 | 23.08.2010 | 1734- | AUS: VL8K ABC Darwin, Katherine NT. nx. ID. MNJOE (FIN) |

SAVE AS EXCEL SAVE AS TEXT

ALL: 28 logs, 4 stations / 3 loggers.



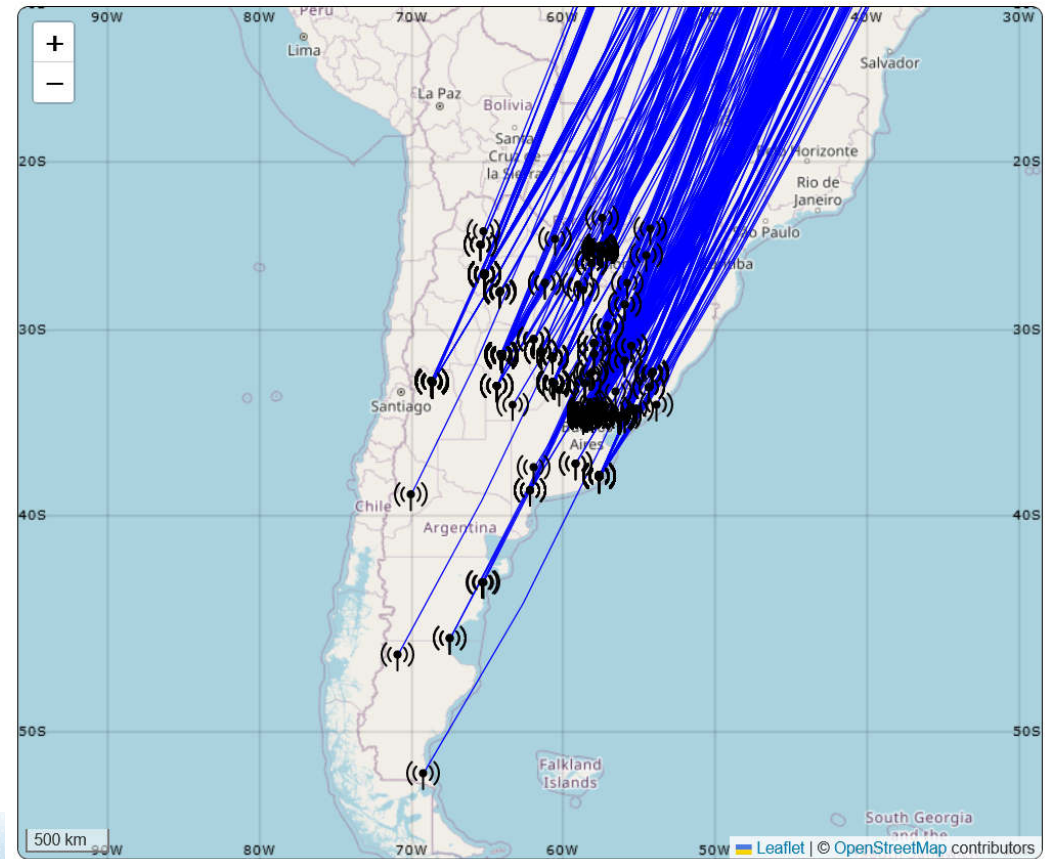
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Group of Countries

Target countries can be combined together

Example: stations from Argentina, Paraguay and Uruguay

ALL: 765 logs, 111 stations / 29 loggers.



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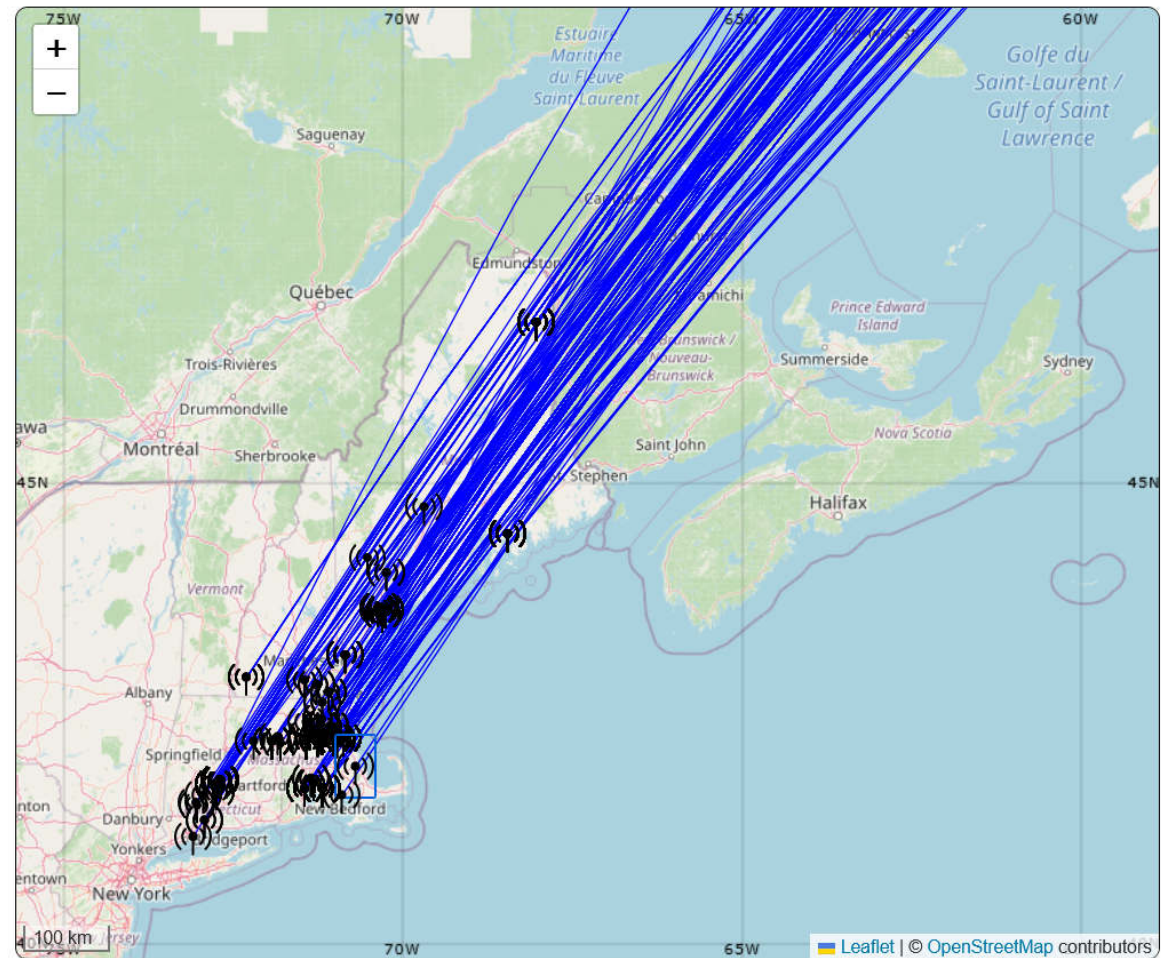


Filter: Region

*"What have I
logged from New
England?"*

USA selected as
Territory and then
ME, VT, NH, MA,
RI & CT from the
Region dropdown

ALL: 363 logs, 49 stations / 6 loggers.



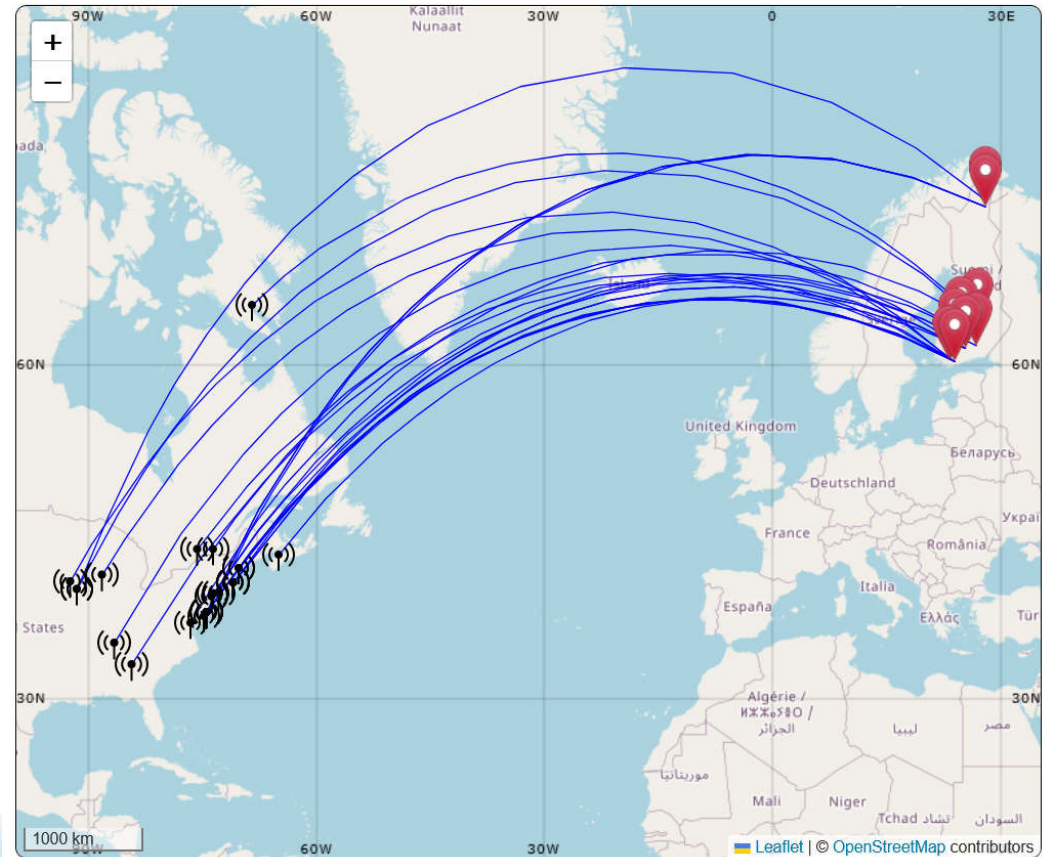
Result from six different QTHs

Combining filters 1

Search filters can be freely combined...

North American MW stations with max 1 kW logged in Finland in October evenings before midnight UTC across years

ALL: 24 logs, 19 stations / 10 loggers.



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Combining filters 2: Hungary heard in Finland vs. Finland heard in Hungary with Es on May 25, 2022

Band
Range × ▼

DX Target Areas
Area ▼

Territory
2 items set

Region
Region ▼

Frequency, MHz
Min Max

Listening Date
2022-05-25 2022-05-25

Distance, km
Min Max

Logger
Credit 2 items set

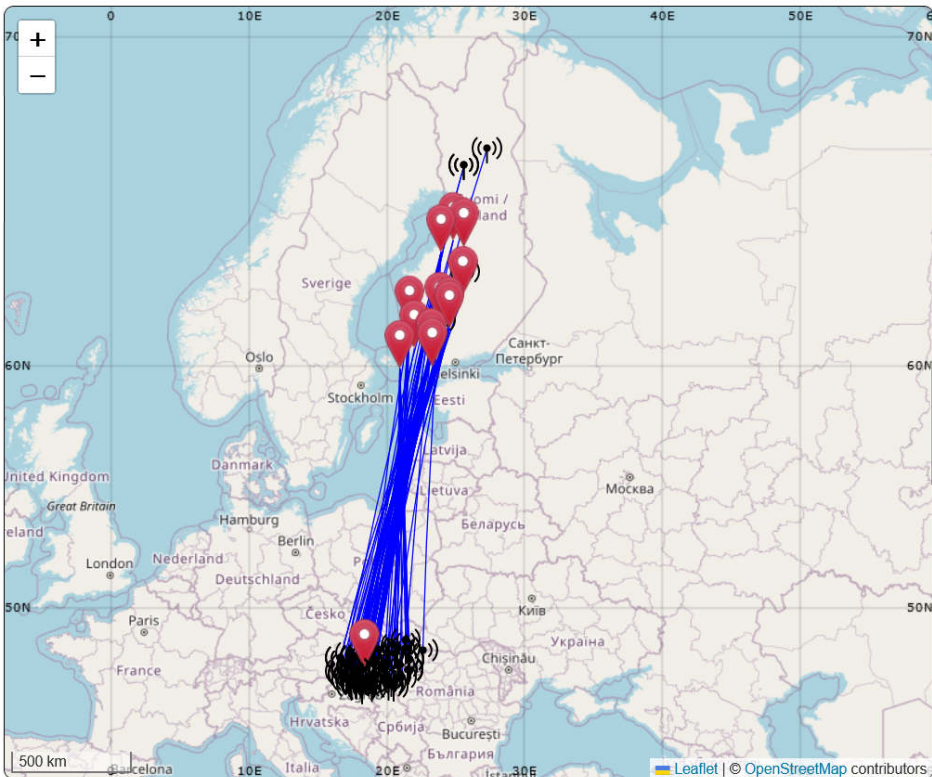
ALL: 108 logs, 80 stations / 14 loggers.

Logging Date
Start End

Month
Start End

RDS
PI PS

Propagation
Es



The map displays Europe with a focus on the Baltic region. Red location pins are placed in Finland and Hungary. Blue lines represent radio signal paths originating from the pins in Finland and converging on a pin in Hungary. A scale bar at the bottom left indicates 500 km. The map is powered by Leaflet and OpenStreetMap contributors.

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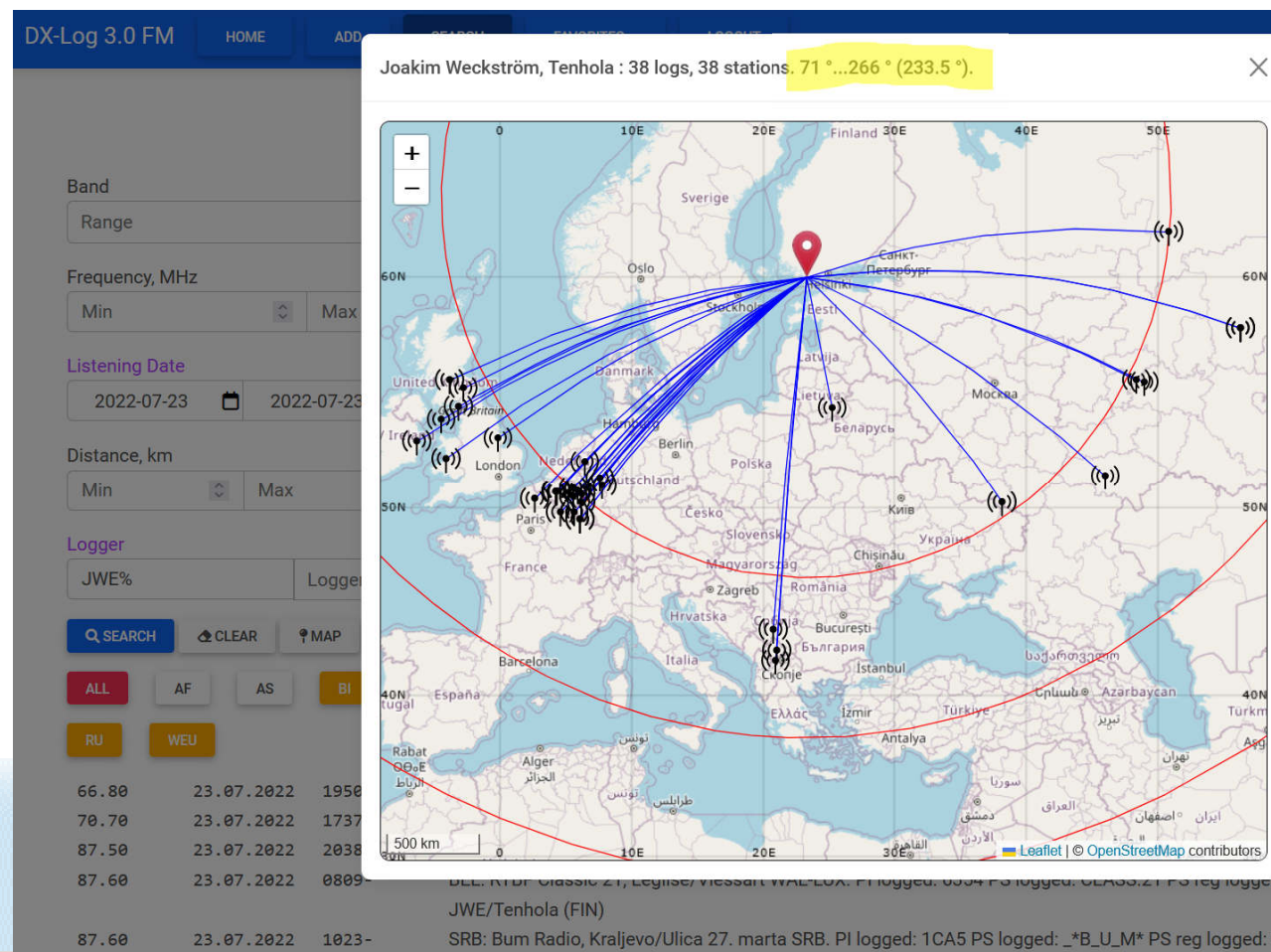
Leaflet | © OpenStreetMap contributors

SUOMEN RY-LITTO

Combining filters 3

Stations logged by a certain listener (1 QTH) on a given date.

The red circles on the map are drawn at distances of 1500, 2500 and 3500 km (FM).



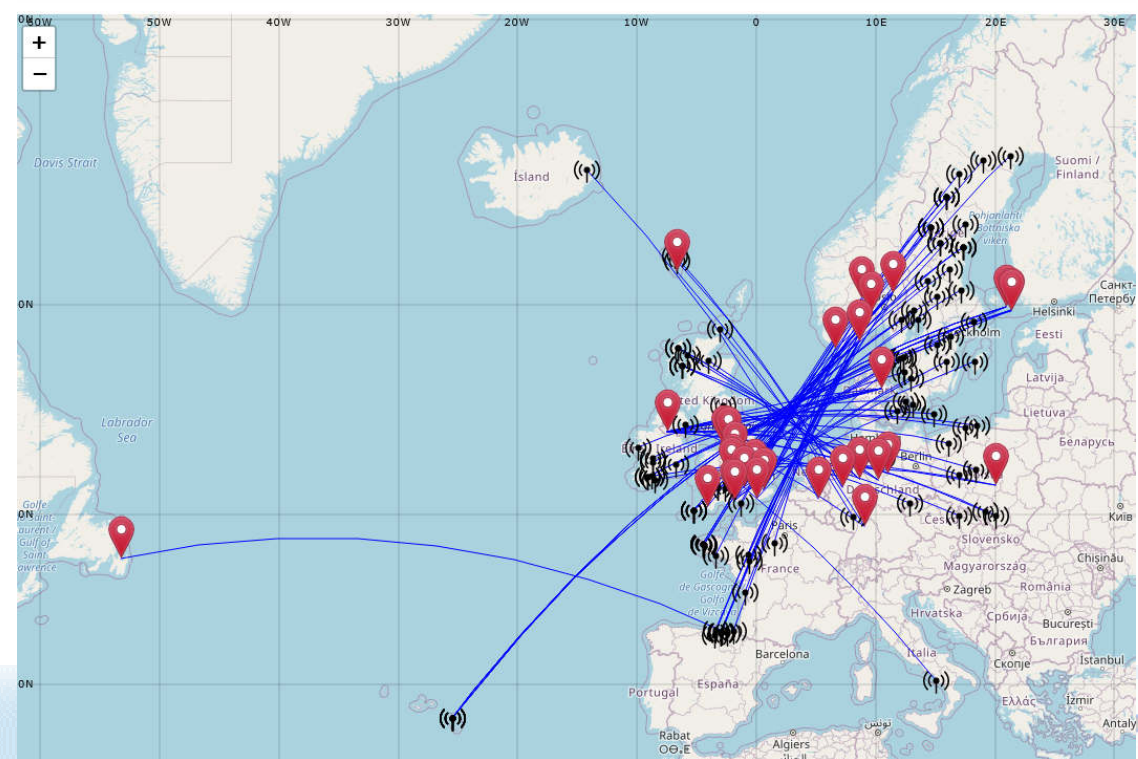
21.10.2022

Narrowing down to a special moment

"I logged RFM from Azores on June 12, at 1216..."

What was heard at the same time?"

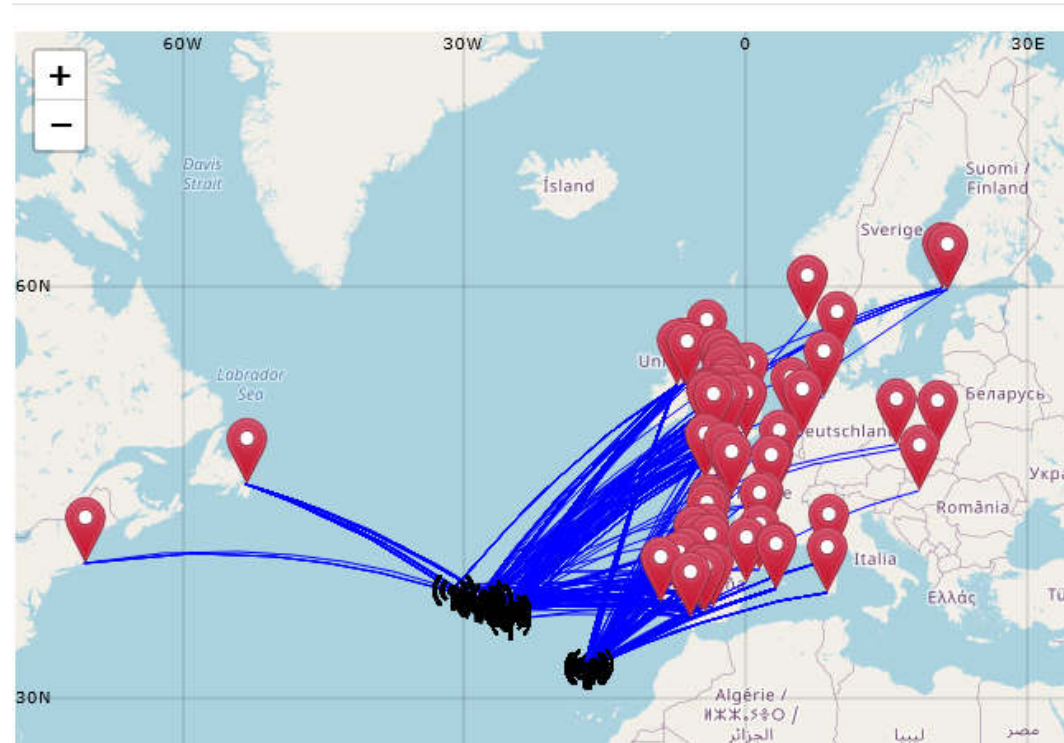
ALL: 103 logs, 94 stations / 32 loggers.



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Where in
Europe and
North America
have Azores
and Madeira
been heard?

ALL: 1 947 logs, 101 stations / 75 loggers.

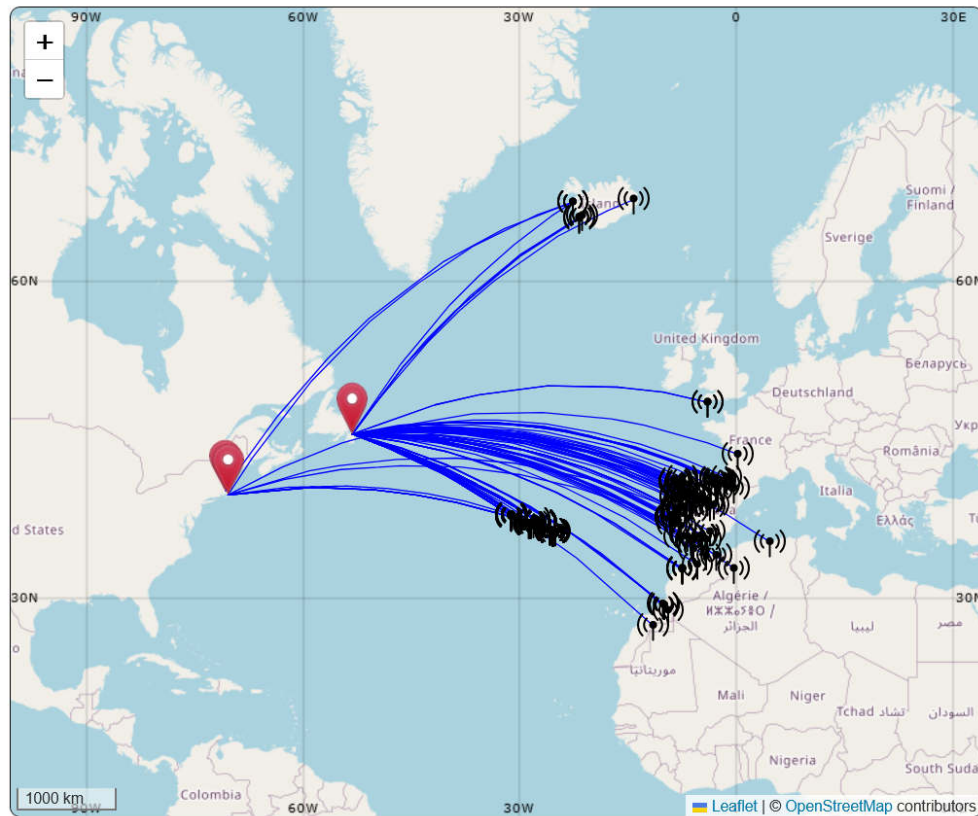


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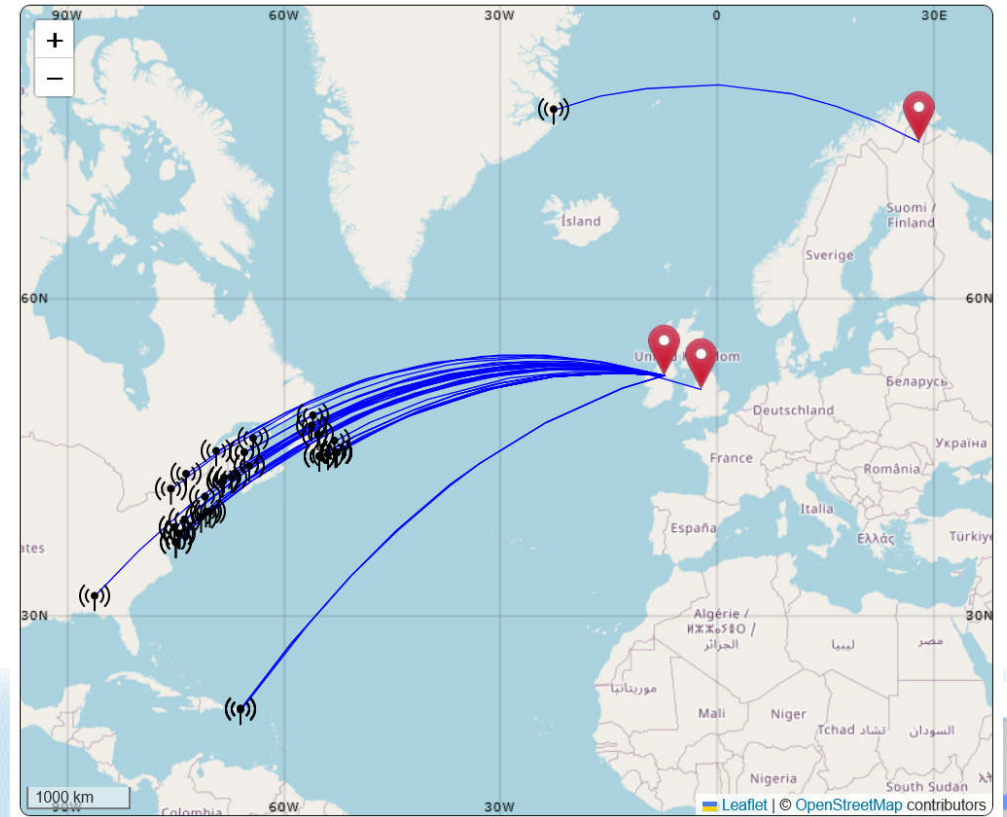


All-time Trans-Atlantic FM Logs

ALL: 235 logs, 103 stations / 3 loggers.



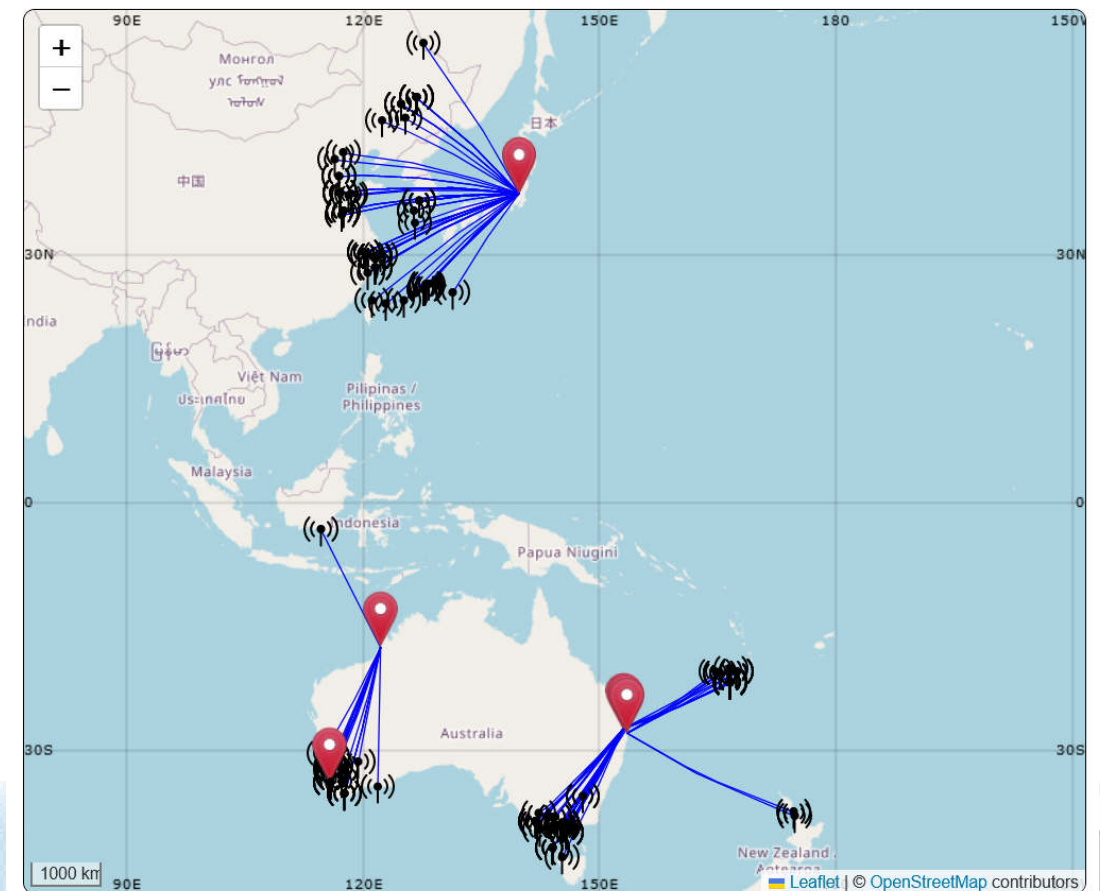
ALL: 47 logs, 42 stations / 3 loggers.



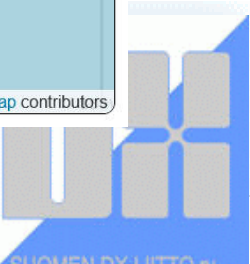
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What is being
heard in Far-East,
Australia and
New Zealand

ALL: 157 logs, 123 stations / 9 loggers.

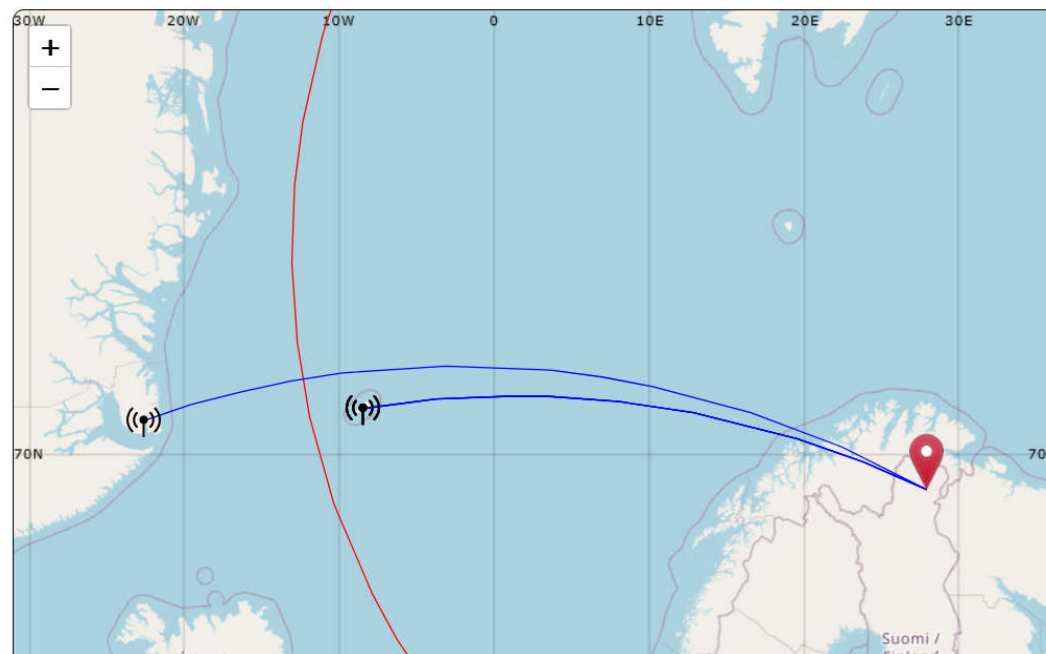


21.10.2022



Greenland & Jan Mayen!

Vesa-Jussi Rinkinen, Aihkiniemi : 4 logs, 4 stations. 294 °...299 ° (295 °).



| | | |
|--------|------------|-------|
| 90.00 | 09.07.2022 | 2100- |
| 92.40 | 09.07.2022 | 2100- |
| 95.00 | 09.07.2022 | 2000- |
| 102.40 | 09.07.2022 | 2100- |

NOR: NRK P3, Jan Mayen JM. AIHFM (FIN)

NOR: Radio P4, Jan Mayen [JMN] JM. AIHFM (FIN)

GRL: KNR - Kalaallit Nunaata Radio-a, Nerlerit Inaat SMS-ITT. AIHFM (FIN)

NOR: NRK P1, Jan Mayen [JMN] JM. AIHFM (FIN)

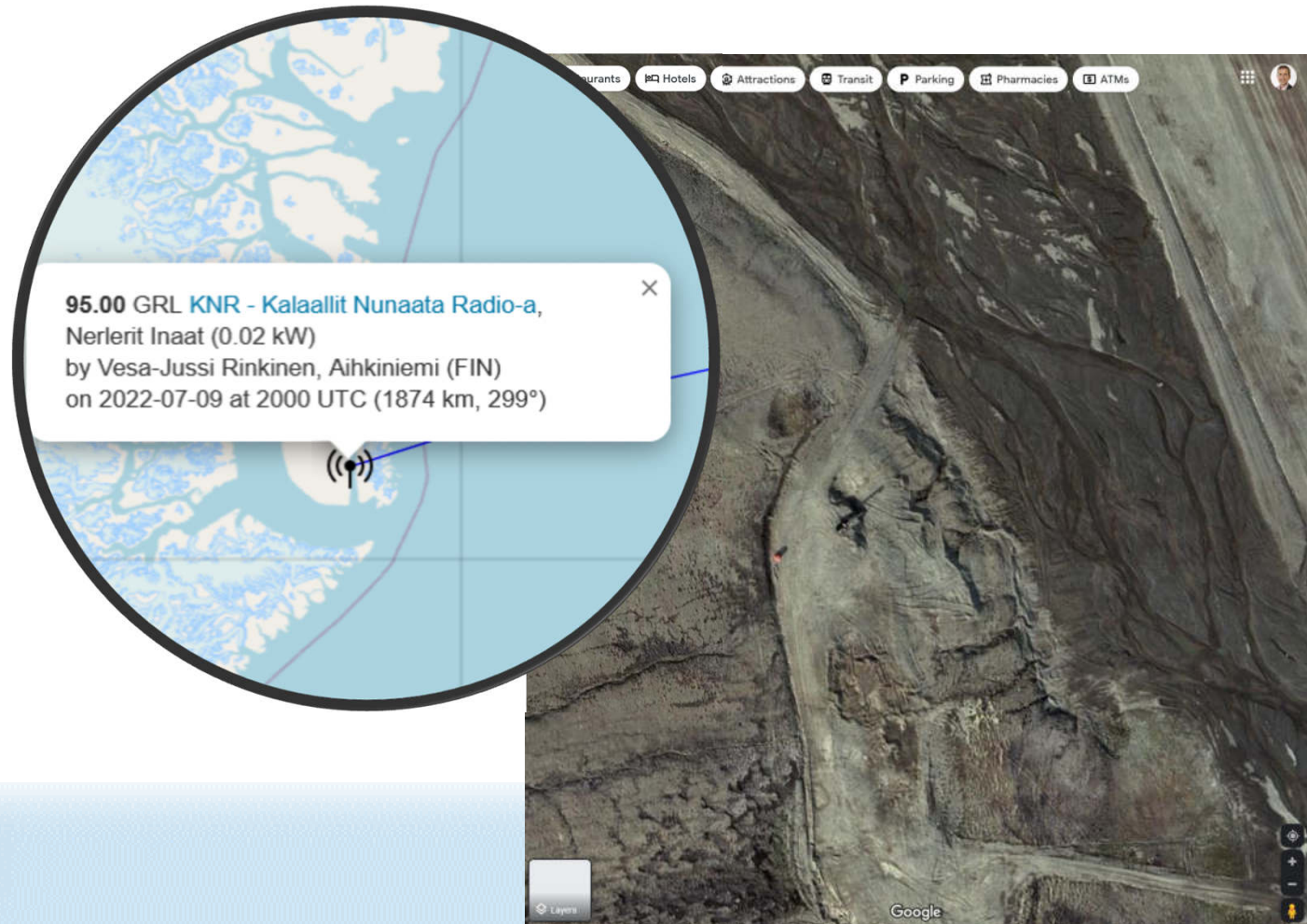
21.10.2022



Transmitter location

Details about the log shown on the map.

Google Maps integration makes it possible to see each logged tx site.



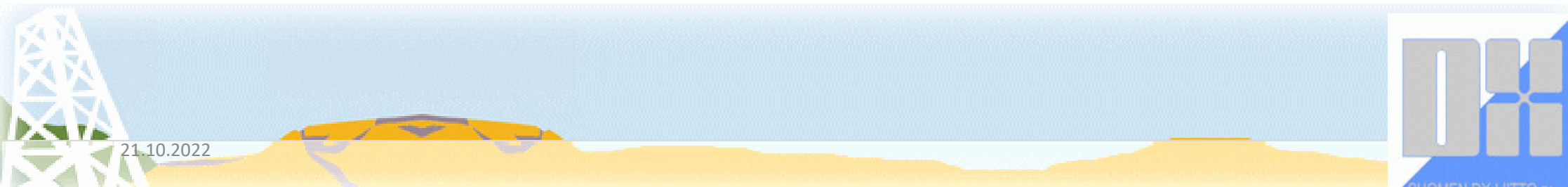
21.10.2022

Duplicates highlighted

Loggings of the same station during the same day are shown in red font. Perhaps you want to edit or delete some of these?

| | | | |
|-----|------------|-------|--|
| 750 | 23.11.2021 | 0012- | CAN: CBGY - CBC Radio 1, Bonavista Bay NL. OSY/Suonenjoki (FIN) |
| 750 | 23.11.2021 | 0303- | CAN: CBGY - CBC Radio 1 Newfoundland, Bonavista Bay NL. Regional weather |
| 750 | 23.11.2021 | 2212- | CAN: CBGY - CBC Radio 1, Bonavista Bay NL. OSY/Suonenjoki (FIN) |
| 750 | 16.10.2021 | 0516- | ARG: Radio Nacional, Córdoba CB. OSY/Suonenjoki (FIN) |
| 750 | 18.09.2021 | 0105- | B: Jovem Pan News, Brasília DF. OSY/Suonenjoki (FIN) |

Deletion and editing of logs will be introduced later.



Coming next

- The remaining search related requirements to MWLIST/FMLIST are now being implemented by Günter Lorenz. After this the whole search functionality will be tested with the new user interface.
- The second phase of the project will involve editing logs and entering new ones with help of the station databases.

21.10.2022



Thank you!

Hard testing is appreciated at <https://www.dxing.fi/log/>

21.10.2022

