

Resolving ambiguous direction of arrival of weak meteor radar trail echoes

SND-ID: 2020-94-1. **Version:** 1. **DOI:** <https://doi.org/10.5878/vnhd-na43>

Download data

ANALYSIS.zip (4.8 MB)

ME20181213_0010.zip (12.1 MB)

mp20181213_sodankyla.mpd (36.23 KB)

README.txt (3.87 KB)

SKiYMET_DataFormat.pdf (93.1 KB)

Download all files

2020-94-1-1.zip (~17.03 MB)

Citation

Kozlovsky, A., & Lester, M. (2020) Resolving ambiguous direction of arrival of weak meteor radar trail echoes (Version 1) [Data set]. Swedish Institute of Space Physics. Available at: <https://doi.org/10.5878/vnhd-na43>

Creator/Principal investigator(s)

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Research principal

[Swedish Institute of Space Physics](#) - Solar terrestrial and atmospheric research programme

Description

A short segment of data from the SGO SKiYMET system (meteor trail radar) that has previously been collected during a meteor shower, but not made public, was chosen as a basis for the study of ambiguous echo direction of arrival.

This data set includes measurement data of meteor trail echoes from the Sodankylä Geophysical Observatory SKiYMET radar. "ME20181213_0010.zip" File contains the raw data from confirmed trail echoes and each belong to a specific row of the summary output "mp20181213_sodankyla.mpd" file. The zip file also contains a PDF that describes the data. The analys results are also available in "ANALYSIS.zip". In this file there is a "README.txt" file that describes the data.

Data contains personal data

No

Language

[English](#)

Time period(s) investigated

2018-12-13 - 2018-12-13

Data format / data structure

[Numeric](#)

[Text](#)

Geographic spread

Geographic location: [Finland](#)

Geographic description: Sodankylä: Latitude +67.4, Longitude +26.6

Responsible department/unit

Solar terrestrial and atmospheric research programme

Research area

[Meteorology and atmospheric sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

Keywords

[Radar](#)

Accessibility level

Access to data through SND

Data are freely accessible

Use of data

[Things to consider when using data shared through SND](#)

License

[CC BY-NC-SA 4.0](#)

Versions

Version 1. 2020-09-24

Contacts for questions about the data

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Download metadata

[DataCite](#)

[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

[JSON-LD](#)

[PDF](#)

[Citation \(CLS\)](#)

[File overview \(CSV\)](#)

Published: 2020-09-24