



IUGONETメタデータ・データベースの公開

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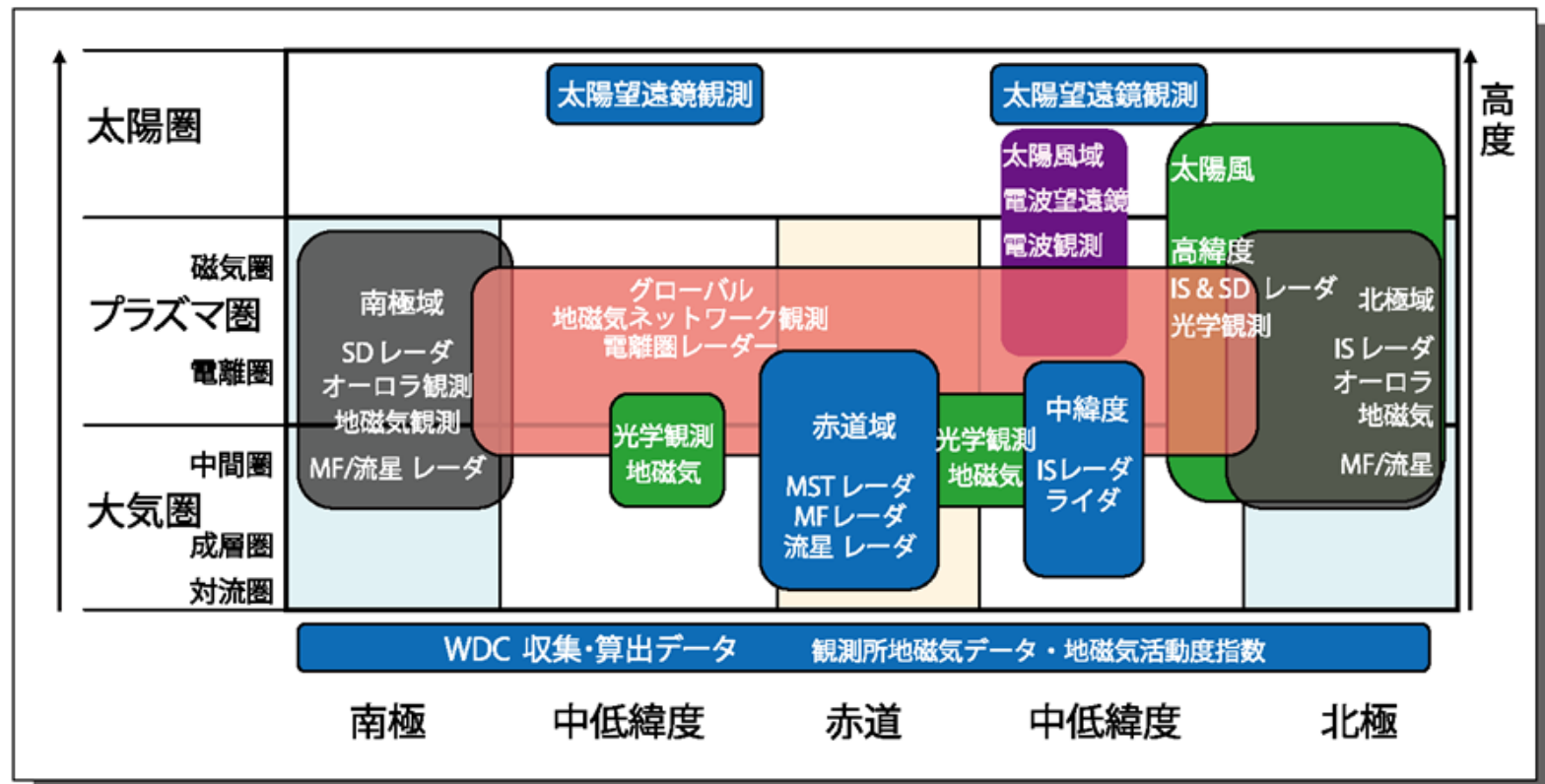
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「超高層大気の地上観測データ」のメタデータDB。



● 東北大 ● 極地研 ● 名古屋大 ● 京都大 ● 九州大

- メタデータ ... 観測データそのものではなく、
観測データに付帯した情報。
e.g. 観測開始終了時刻、観測場所、
観測データの所在情報。
→ メタデータを介して
観測データへアクセス。
- メタデータDB ... これらのメタデータを集めて
検索可能にしたもの。

様々な研究機関にある観測データのメタデータを、
1クエリーで検索可能！

(いつ、どこで、どの物理量が同時観測されたのか？)

- 学術機関リポジトリで使用されているフリーのDspaceをカスタマイズ。
- 学術機関リポジトリの詳細に関しては、8/4(木)の東出様(京大図書館)のプレゼンがあります。

2011年度初頭にβバージョンの公開を開始。
(サーバーは名古屋大学)

<http://search.iugonet.org/iugonet/>



The screenshot shows the IUGONET Metadata DB Home page in a web browser. The browser's address bar displays the URL <http://search.iugonet.org/iugonet/>. The page features a navigation menu on the left with links to Home, IUGONET MDB, Search Help, Browse Data, and Browse Service. The main content area includes the IUGONET logo and a search form with the following sections:

- Free Word:** A text input field with a placeholder "Free Word" and a help icon. Below it, an example "(e.g. meteor radar, MF radar, SuperDARN, EISCAT.....)" is provided.
- Time:** A section with a "Time:" label and a "from" to "to" range selector. The format is "YYYY-MM-DDThh:mm:ssZ" and the time zone is set to "UTC".
- Spatial Coverage/Map:** A section with a "Spatial Coverage/Map:" label and input fields for Latitude (Southernmost, Northernmost) and Longitude (Westernmost, Easternmost). The units are in degrees.
- Data Types:** A section with a "Data Types:" label and checkboxes for "Data Set", "Numerical", "Plot / Movie", "Data File / Plot", "Instrument", and "Observatory".

A "Search" button is located at the bottom of the search form. On the right side of the page, there are links for "RSS Feeds" and "Search/Retrieve URL Service". The page also includes a "Latest Update" section showing the date "Jul 22 10:15:23 JST 2011" and a "more..." link.

- Look & Feelなどに関する要望(e.g. 「磁気緯度検索は実装しないのですか?)は下記からどうぞ。


 This DB is now in beta testing. We appreciate your [feedback](#) .

or

Copyright © 2010 IUGONET - [Feedback](#)
 Powered by [DSpace Software](#).

クリック

Feedback Form

Thanks for taking the time to share your feedback about the IUGONET Metadata DB system. Your comments are appreciated!

Your Email Address:

Your Comments:

Send

「SuperDARN」
を入力

☒ Free Word:

SuperDARN



(e.g. ionosphere, troposphere, magnetosphere, helioshpere.....)

- “SuperDARN”を入力後、“Search”ボタンを押してください。

- “Hokkaido”, “King Salmon”など
4件ヒット。

Item hits:

Resource Name

Resource Type

Description

Association

[The common time fitacf CDF data of SuperDARN Hokkaido HF radar distributed by ERG-SC](#)

Data Set

Common mode data obtained by SuperDARN Hokkaido HF radar. Data files are distributed in the CDF format through the ERG-SC repository

Start Date: 2006-12-02T00:00:00

Relative Stop Date: 14 days ago (-P14D)

<http://gemsissc.stelab.nagoya-u.ac.jp/erg/>

Repository: [spase://IUGONET/Repository/STEL/ERG-SC](#)

Instrument: [spase://IUGONET/Instrument/STEL/SuperDARN/HOK/HFradar](#)

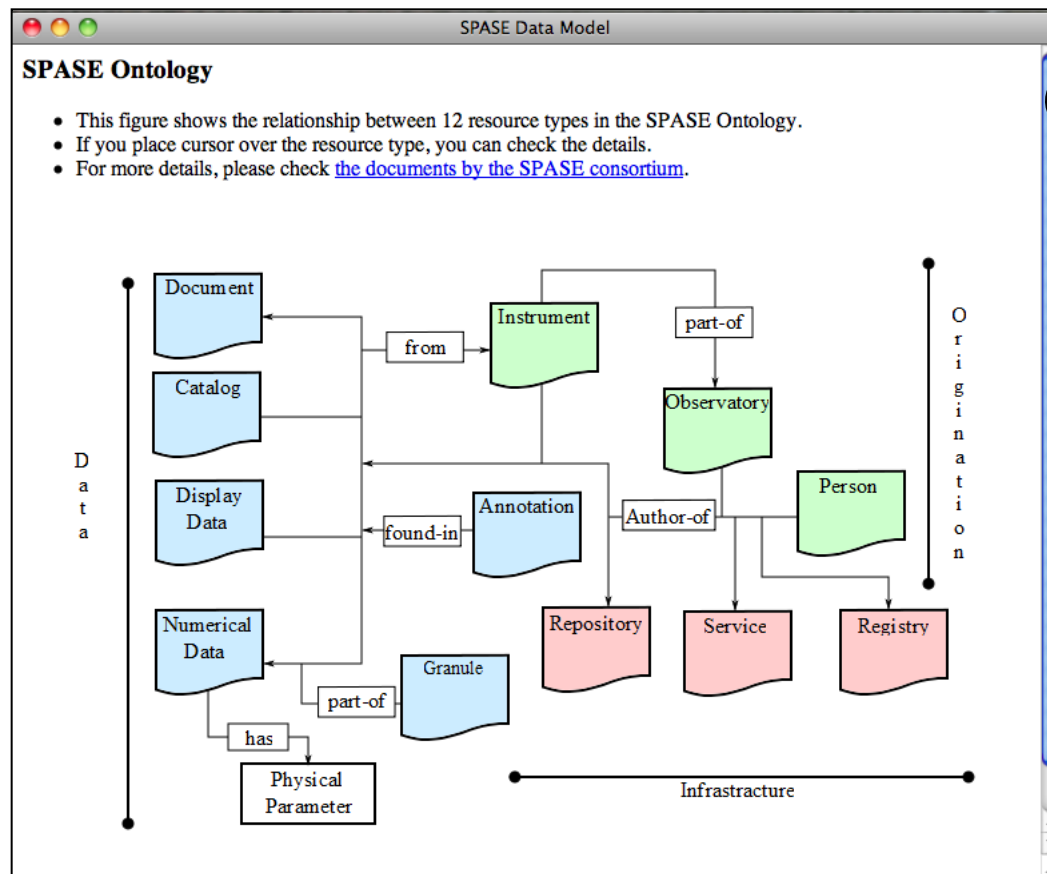
[The common time fitacf data of SENSU SuperDARN Syowa East HF radar distributed by ERG-SC](#)

Data Set

12 ResourceTypes

☒ Data Types:

Data Set (☒ Numerical ☒ Plot / Movie) ☐ Data File / Plot ☐
☐ Instrument ☐ Observatory ☐ ?



クリック

☒ [Time:](#) from to [UTC] [?](#)

- 2003-10-29 から 2003-10-31 の間に行われている観測データセットを検索する。

- 地理緯度・経度で検索。

☒ [Spatial Coverage/Map:](#)

Latitude: Southernmost , Northernmost [degree]

Longitude: Westernmost , Easternmost [degree]

or [\[view map\]](#)

☒ Spatial Coverage/Map:

Latitude: Southernmost , Northernmost [degree]

Longitude: Westernmost , Easternmost [degree]

or [\[view map\]](#)

クリック

☒ Spatial Coverage/Map:

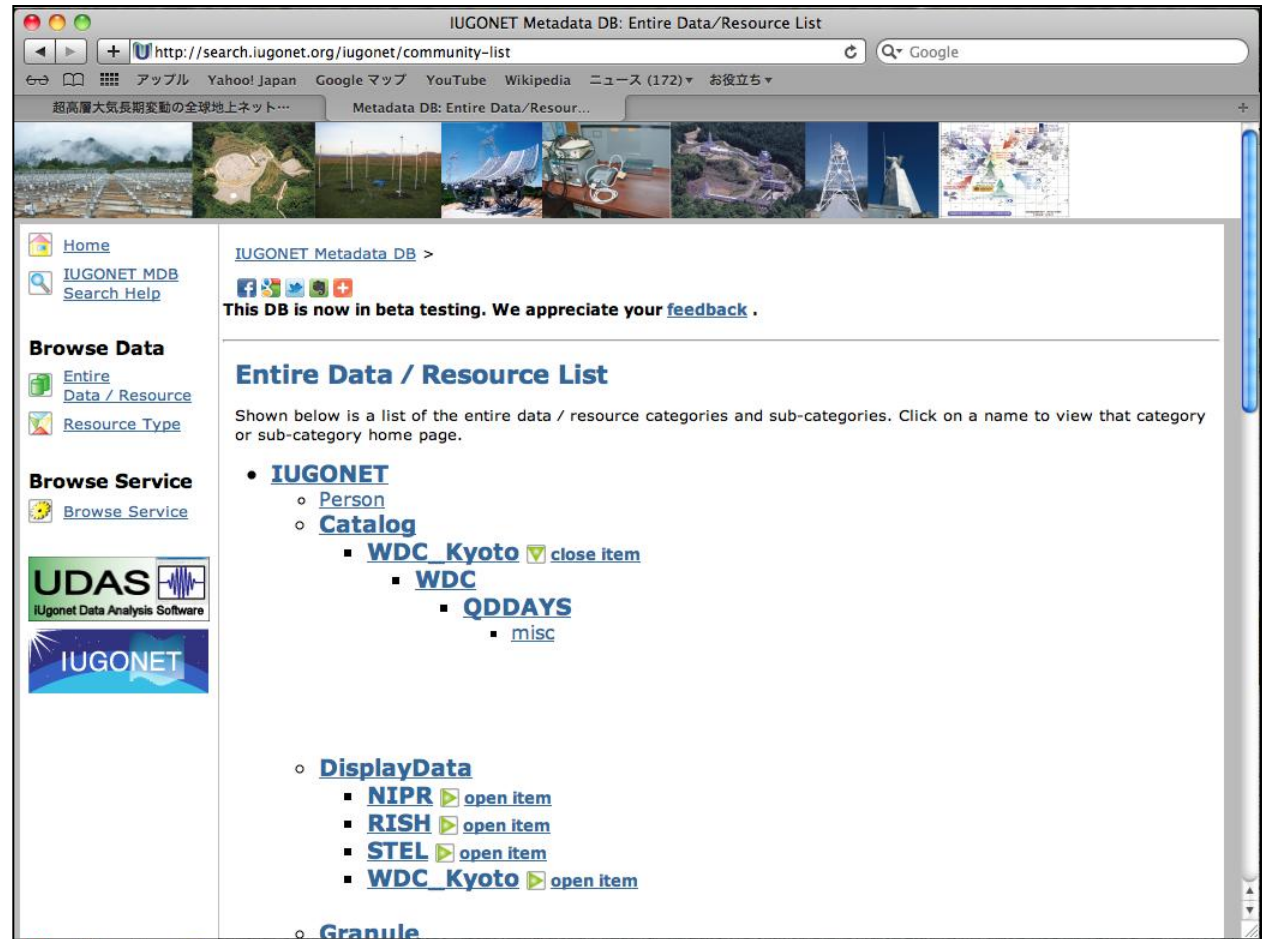
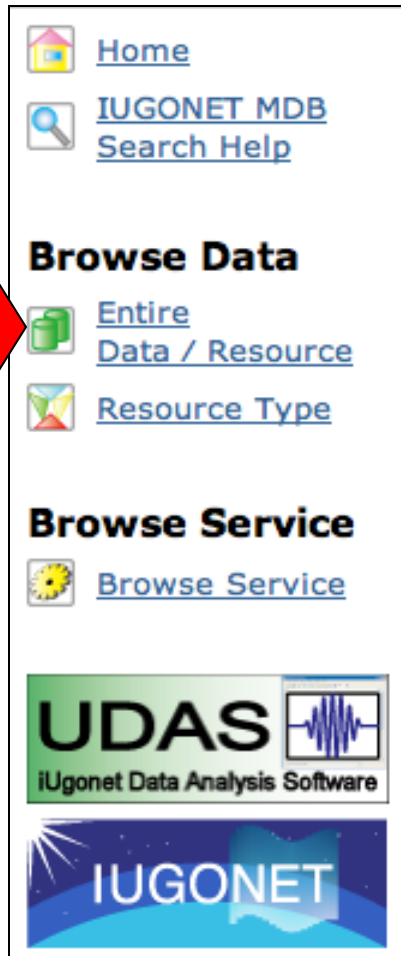
Latitude: Southernmost , Northernmost [degree]

Longitude: Westernmost , Easternmost [degree]

or [\[close map\]](#)



四隅が検索範囲



メタデータDBを概観したい場合に有効。



[Home](#)



[IUGONET MDB](#)
[Search Help](#)

Browse Data



[Entire](#)
[Data / Resource](#)



[Resource Type](#)

Browse Service



[Browse Service](#)



Resource Name

Resource Type

Description

Association

Transformation of Coordinates

Service

This is a web service for magnetic field and geomagnetic coordinate transformation.

Height Integrated Ionospheric Conductivity Model

Service

This is a web service for calculating the height integrated ionospheric conductivity. This web service use IRI2007 model for ionized atmosphere, NRLMSI SE-00 model for neutral atmosphere, collision frequency by "Banks and Kockarts, Aeronomy: part A, Chapter 9, Academic Press, 1973" and equation of the conductivity in the ionosphere by "Maeda, K., Conductivity and drift in the ionosphere, J. Atmos. Terr. Phys., Vol.39, 1041-1053, 1977."

[On the ionospheric conductivity](#)

[Format of the output list](#)

[Ionospheric conductivity model \(height profile\)](#)

NOTICE

IRI model was updated to the version of Feb., 2010 (Feb. 19, 2010)

Be patient because it may take a few minutes.

Do not submit new calculation before you receive your old results.

It may be timeout when our system is busy.

Geographic Latitude: 80N-80S, 10°step.

Geographic Longitude: 0-345E, 15°step.

Time

Year (1958-2012): +

Month: Day: + Hour (UT):

Height

Bottom : km Top : km

Your e-mail address (Necessary/Used for data service only):




[Home](#)


[IUGONET MDB Search Help](#)

Browse Data


[Entire Data / Resource](#)


[Resource Type](#)

Browse Service


[Browse Service](#)





<http://search.iugonet.org/iugonet/iugonet/help.html>



Help

Search Menu

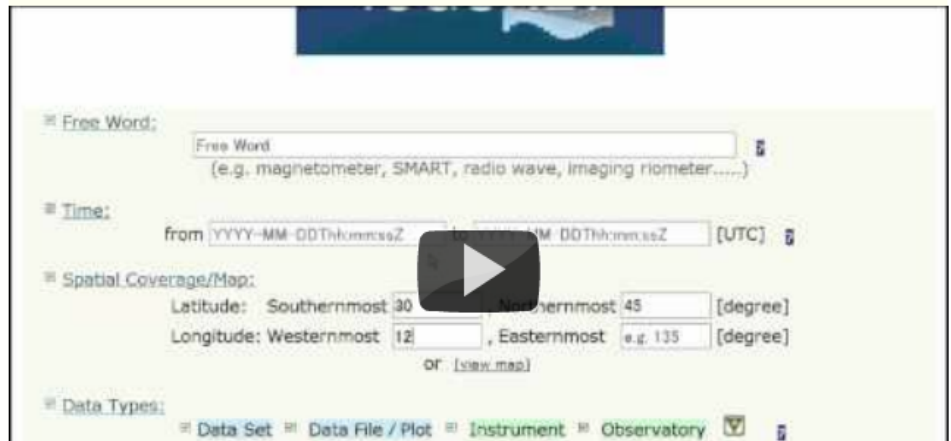
Free Word Search

[\[more...\]](#)

Spatial Coverage Search

[\[more...\]](#)

- Search target of the Spatial Coverage Search is NumericalData, Granule, DisplayData and Observatory.
- You can specify Latitude & Longitude
- You can specify Latitude/Longitude only. In this case, you have to specify Northernmost/Easternmost and Southernmost/Westernmost.



<http://www.youtube.com/user/iugonet>



データベースの操作方を動画配信！

- Look & Feel のカスタマイズ
- OpenSearchを用いた、解析ソフトウェア、外部データベースとの連携
- メタデータDB利用促進活動(講習会、YouTube)
- 冗長化、分散化に向けた準備

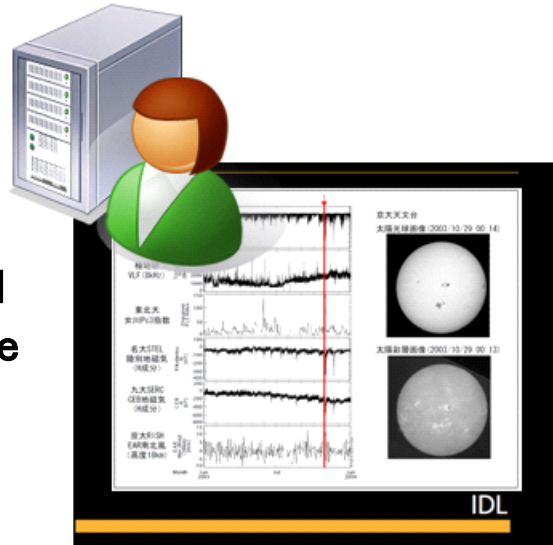
クライアント側

IUGONET メタデータ DB

(3) DOM

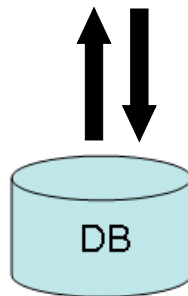
(4a) Load
procedure

(6) Plot



(IDLVM+TDAS)

(5) Observational
Data



(4b) Wget
(Internal call)

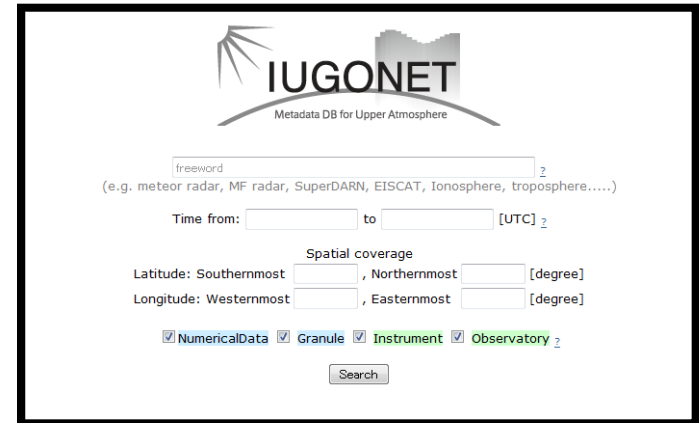
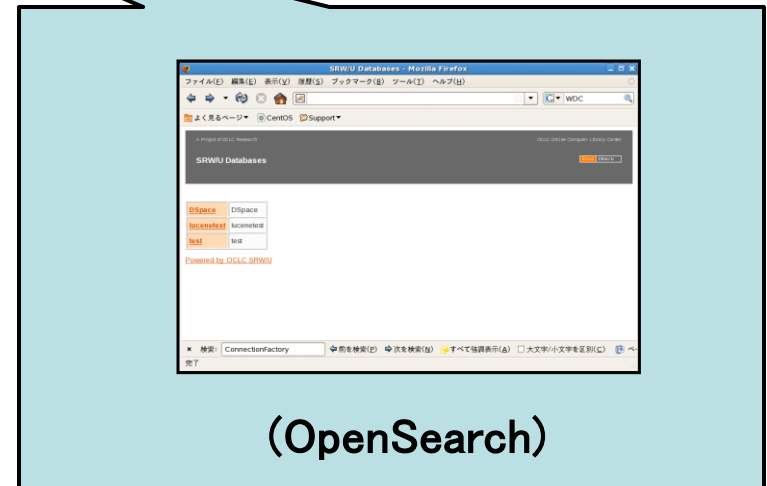


XML

(2) Metadata



(1) Query

(OpenSearch)

将来的に、UDAS-メタデータDBは連携する。