Homogenized access to ESPAS main data repositories

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National Observatory of Athens

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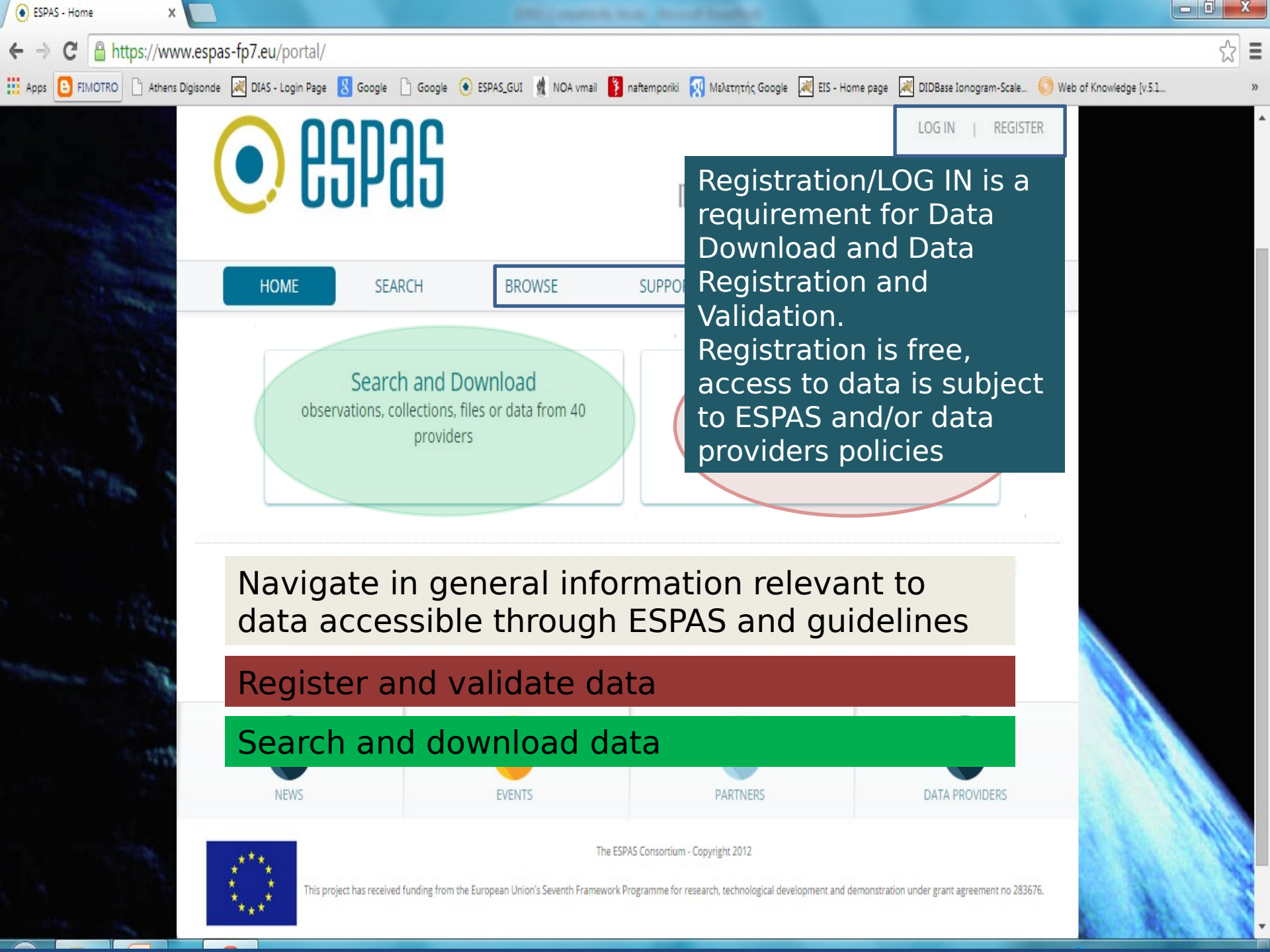
ESPAS: Near Earth Space Data Infrastructure for e-Science

Homogenized access to the main ESPAS data repositories: The fundamental use case of ESPAS system refined in accordance to the users' requirements (ESPAS D2.2)

Data product search. The END_USER queries the ESPAS system for near-earth space data products using any combination of the following search fields: domain name, organisation, observatory, characteristics, instruments, temporal and spatial constraints. The END_USER views the metadata information and downloads the resulting data products. A zip utility facilitates the download of multiple files.

Characteristics search. The END_USER queries the ESPAS system for near-earth space characteristics data using any combination of the following search fields: organisation, observatory, characteristics, instruments, temporal and spatial constraints, observed vs generated data. The END_USER can view the results, download them in common formats or plot them (where applicable). A zip utility facilitates the download of multiple results files.

Access to ESPAS portal at https://www.espas-fp7.eu/portal/ or through www.espas-fp7.eu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observations, collections, files or data from 40 providers
Registration/LOG IN is a requirement for Data Download and Data Registration and Validation.
Registration is free, access to data is subject to ESPAS and/or data providers policies
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Search and download data
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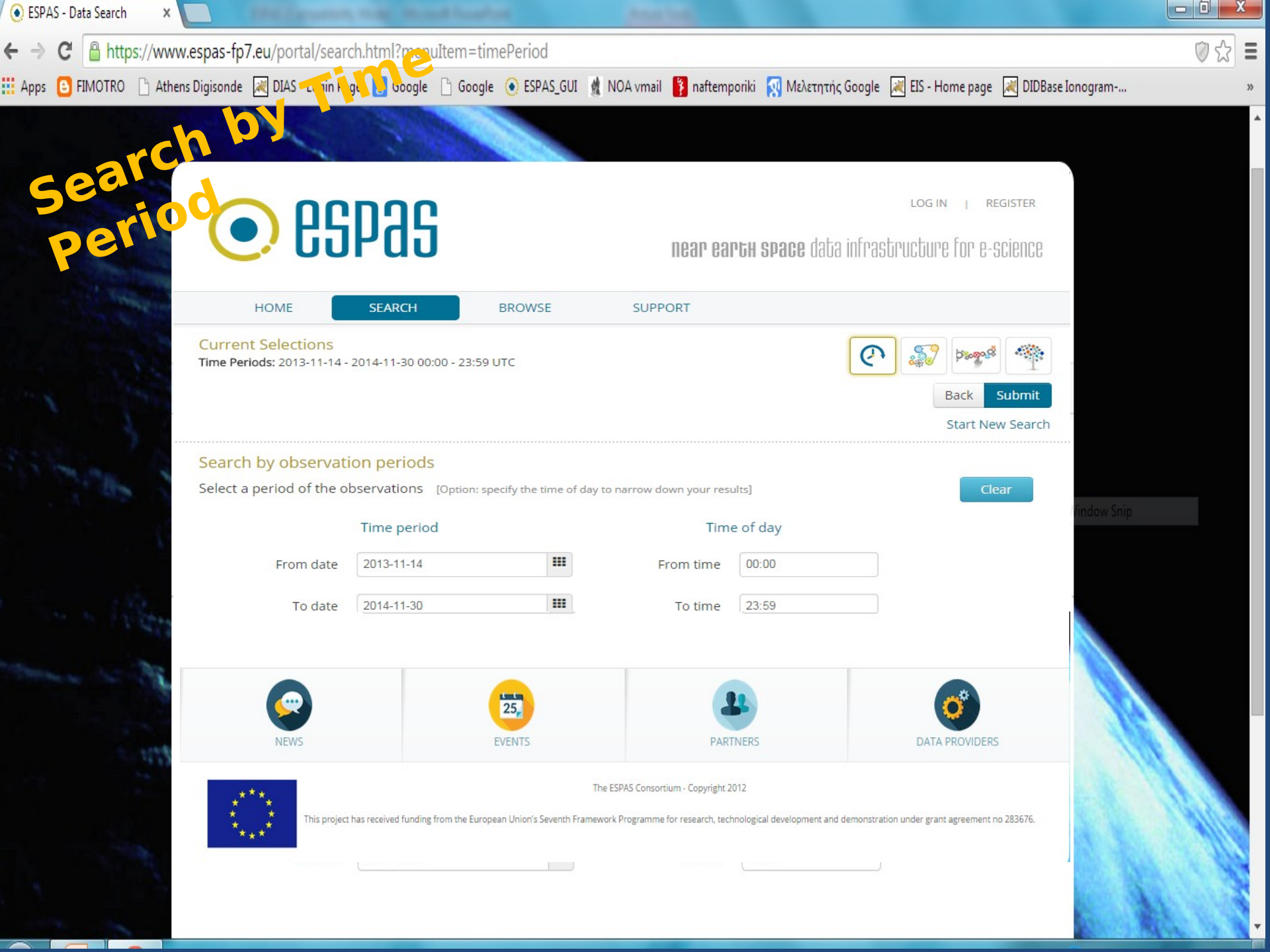
Search queries are build on dynamic workflows. The user is able to:

- start a data search query by any of these criteria
- complete the query through any combination of these criteria (1 up to 4 criteria in each data request), while each filters the previous one helping the user to conclude on the desirable set of data.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Search by Time Period
LOG IN | REGISTER
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HOME
SEARCH
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Current Selections
Time Periods: 2013-11-14 - 2014-11-30 00:00 - 23:59 UTC
Back
Submit
Start New Search
Search by observation periods
Select a period of the observations
[Option: specify the time of day to narrow down your results]
Clear
Time period
Time of day
From date
2013-11-14
From time
00:00
To date
2014-11-30
To time
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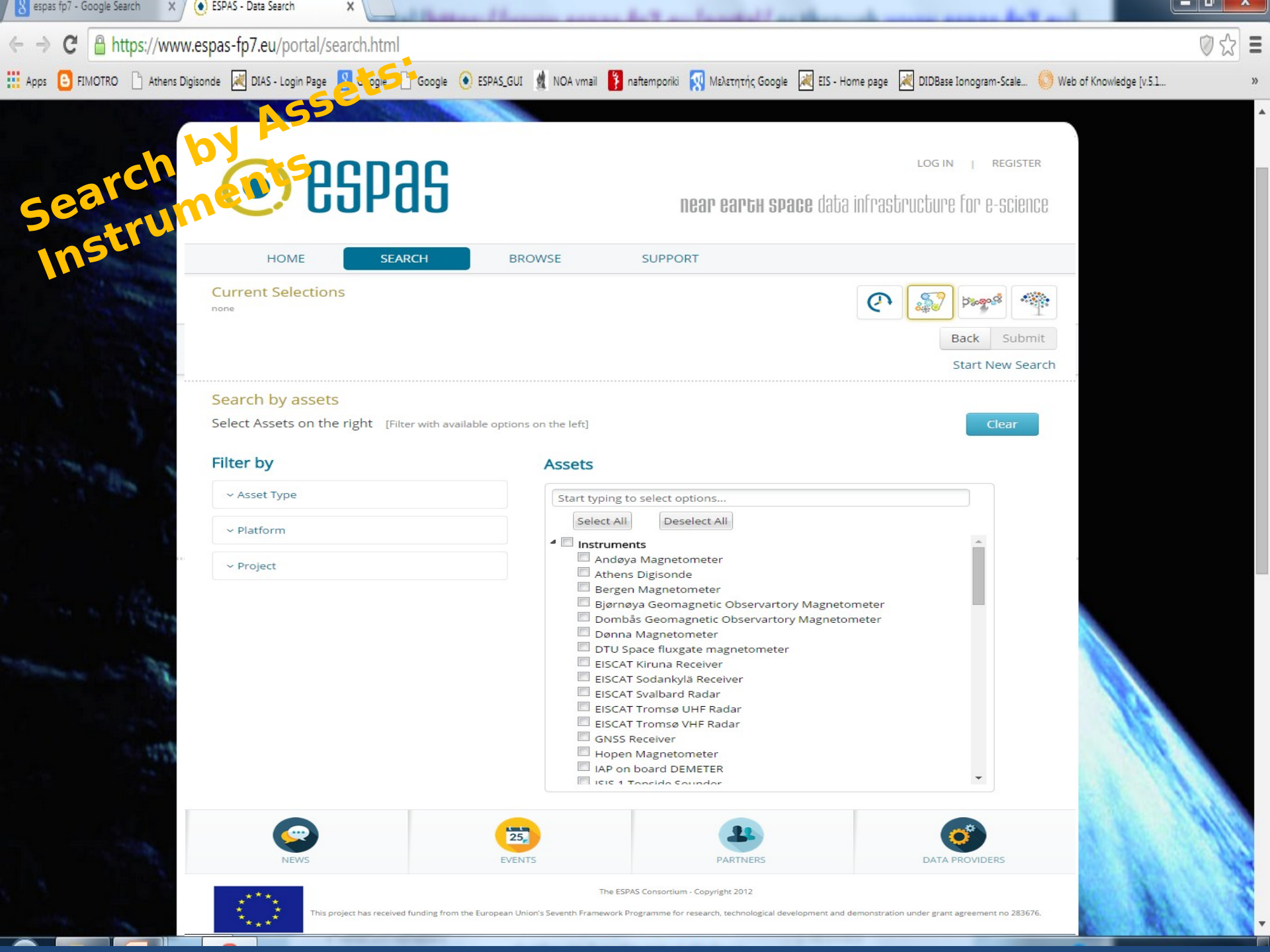
Search by Assets: Instruments
espas fp7 - Google Search
ESPAS - Data Search
https://www.espas-fp7.eu/portal/search.html
Apps
FIMOTRO
Athens Digisonde
DIAS - Login Page
Google
ESPAS_GUI
NOA vmail
naftemporiki
Μελετητής Google
EIS - Home page
DIDBase Ionogram-Scale...
Web of Knowledge [v.5.1...
espas
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HOME
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none
Back
Submit
Start New Search
Search by assets
Select Assets on the right
[Filter with available options on the left]
Clear
Filter by
Asset Type
Platform
Project
Assets
Start typing to select options...
Select All
Deselect All
Instruments
Andøya Magnetometer
Athens Digisonde
Bergen Magnetometer
Bjørnøya Geomagnetic Observartory Magnetometer
Dombås Geomagnetic Observartory Magnetometer
Dønna Magnetometer
DTU Space fluxgate magnetometer
EISCAT Kiruna Receiver
EISCAT Sodankylä Receiver
EISCAT Svalbard Radar
EISCAT Tromsø UHF Radar
EISCAT Tromsø VHF Radar
GNSS Receiver
Hopen Magnetometer
IAP on board DEMETER
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Start New Search
Search by assets
Select Assets on the right
[Filter with available options on the left]
Clear
Filter by
Asset Type
Platform
Project
Assets
Start typing to select options...
Select All
Deselect All
WHISPER Instrument Onboard Cluster3
WHISPER Instrument Onboard Cluster4
Models
ARTIST
CCIR F peak model
DIAS Ne3D
GUISDAP
Interpre
ionobrowse
IRI (International Reference Ionosphere)
Lockwood Formula
SIRM
SIRMUP
SuperDARN Map potential model
TaD (Topside Sounders Model assisted by Digisonde)
TEC Map Processor
URSI F peak model
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Search by Observed Property
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SUPPORT
Current Selections
none
Back
Submit
Start New Search
Search by observed properties
Select Observed Properties on the right [Filter with available options on the left]
Clear
Filter by
Measurand
Phenomenon
Qualifier
Observed Properties
Start typing to select options...
Select All
Deselect All
Electron Density (Ne)
Total Electron Content (I)
Magnetic Field (B)
Magnetic Field NED Eastward Component (Y)
Magnetic Field NED Northward Component (X)
Magnetic Field Vertical Component (Z)
Minimum frequency of Reflections from Plasma Layer (fmin)
Minimum frequency of ionospheric reflections in E region (fminE)
Minimum frequency of ionospheric reflections in Es layer (fminEs)
Minimum frequency of ionospheric reflections in F region (fminF)
Auroral (particle) E-layer Critical Frequency (foEa)
Chapman-approximation scale height of F2 layer (qc)
Density Profile Shape B1 (B1)
Density Profile Shape D1 (D1)
Density Profile Thickness B0 (B0)
E-layer Critical Frequency (foE)
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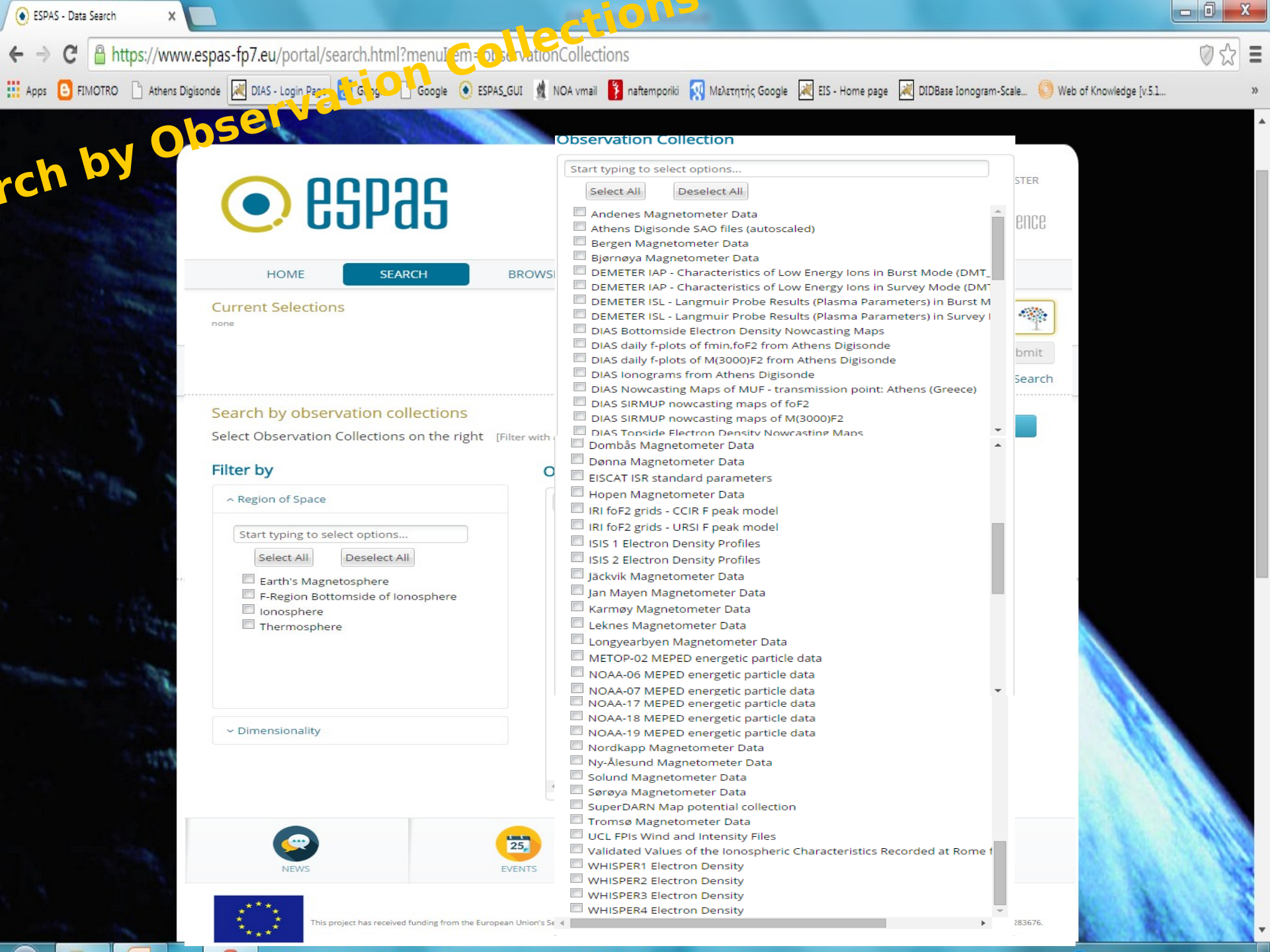
rch by Observation Collections
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espas
HOME
SEARCH
Current Selections
none
Search by observation collections
Select Observation Collections on the right
Filter by
Region of Space
Start typing to select options...
Select All
Deselect All
Earth's Magnetosphere
F-Region Bottomside of Ionosphere
Ionosphere
Thermosphere
Dimensionality
NEWS
EVENTS
Observation Collection
Start typing to select options...
Select All
Deselect All
Andenes Magnetometer Data
Athens Digisonde SAO files (autoscaled)
Bergen Magnetometer Data
Bjørnøya Magnetometer Data
DEMETER IAP - Characteristics of Low Energy Ions in Burst Mode (DMT
DEMETER IAP - Characteristics of Low Energy Ions in Survey Mode (DM
DEMETER ISL - Langmuir Probe Results (Plasma Parameters) in Burst M
DEMETER ISL - Langmuir Probe Results (Plasma Parameters) in Survey
DIAS Bottomside Electron Density Nowcasting Maps
DIAS daily f-plots of fmin,foF2 from Athens Digisonde
DIAS daily f-plots of M(3000)F2 from Athens Digisonde
DIAS Ionograms from Athens Digisonde
DIAS Nowcasting Maps of MUF - transmission point: Athens (Greece)
DIAS SIRMUP nowcasting maps of foF2
DIAS SIRMUP nowcasting maps of M(3000)F2
DIAS Topside Electron Density Nowcasting Maps
Dombås Magnetometer Data
Dønna Magnetometer Data
EISCAT ISR standard parameters
Hopen Magnetometer Data
IRI foF2 grids - CCIR F peak model
IRI foF2 grids - URSI F peak model
ISIS 1 Electron Density Profiles
ISIS 2 Electron Density Profiles
Jäckvik Magnetometer Data
Jan Mayen Magnetometer Data
Karmøy Magnetometer Data
Leknes Magnetometer Data
Longyearbyen Magnetometer Data
METOP-02 MEPED energetic particle data
NOAA-06 MEPED energetic particle data
NOAA-07 MEPED energetic particle data
NOAA-17 MEPED energetic particle data
NOAA-18 MEPED energetic particle data
NOAA-19 MEPED energetic particle data
Nordkapp Magnetometer Data
Ny-Ålesund Magnetometer Data
Solund Magnetometer Data
Sørøya Magnetometer Data
SuperDARN Map potential collection
Tromsø Magnetometer Data
UCL FPIs Wind and Intensity Files
Validated Values of the Ionospheric Characteristics Recorded at Rome
WHISPER1 Electron Density
WHISPER2 Electron Density
WHISPER3 Electron Density
WHISPER4 Electron Density
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Example 1: **Data product search**

Study of the near-Earth space response to storm event occurred between 21 – 23 January 2005

Suggested route:
Time period Observed property Assets Observation Collections Submit

ESPAS - Data Search
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Hello, Ioanna Tsagouri | Sign Out
near earth space data infrastructure for e-science
HOME
SEARCH
BROWSE
SUPPORT
MY ACCOUNT
Current Selections
Time Periods: 2005-01-21 - 2005-01-23 00:00 - 23:59 UTC
Back
Submit
Start New Search
Search by observation periods
Select a period of the observations
[Option: specify the time of day to narrow down your results]
Clear
Time period
Time of day
From date
2005-01-21
From time
00:00
To date
2005-01-23
To time
23:59
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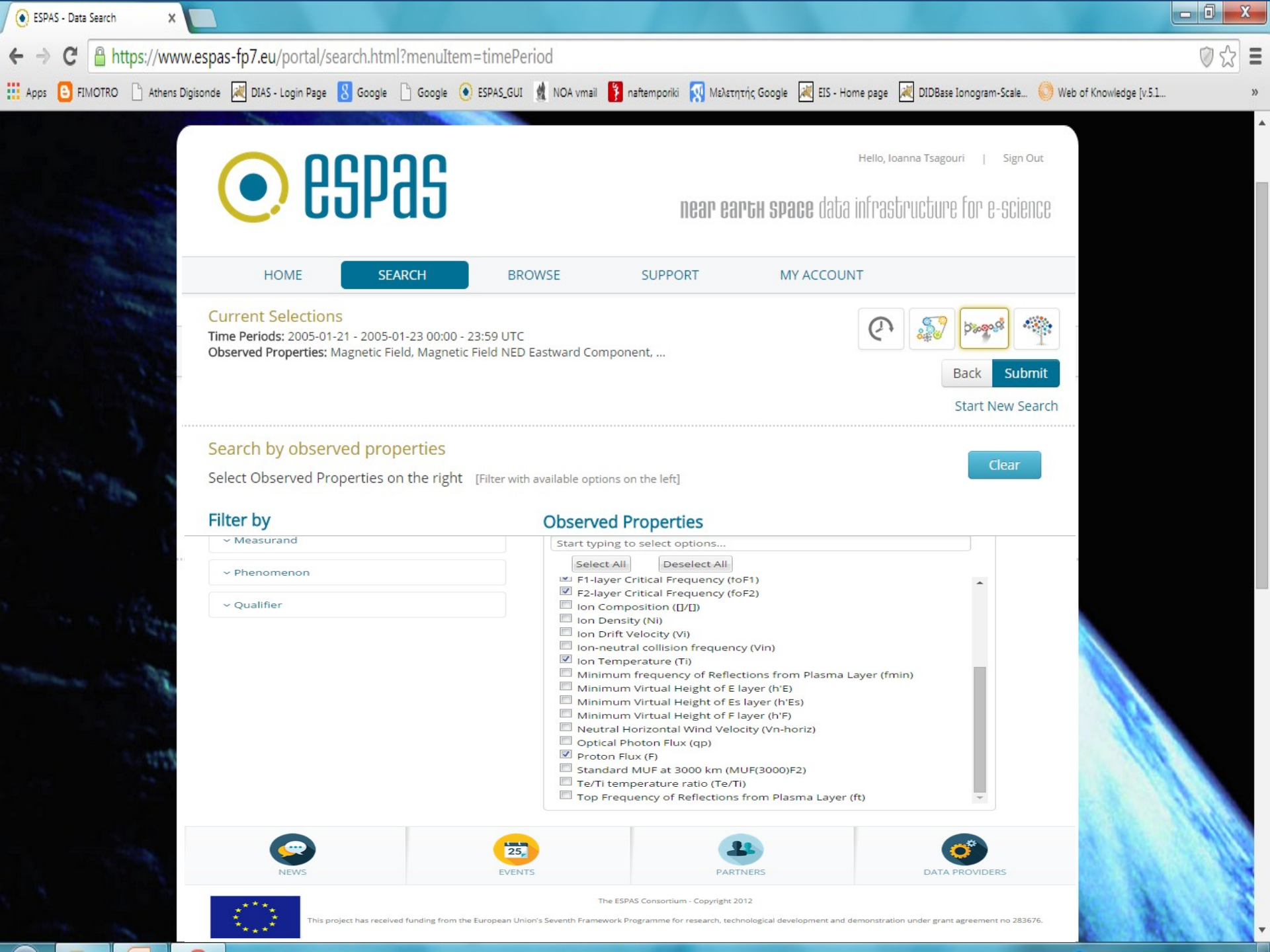
ESPAS - Data Search
https://www.espas-fp7.eu/portal/search.html?menuItem=timePeriod
Apps
FIMOTRO
Athens Digisonde
DIAS - Login Page
Google
Google
ESPAS_GUI
NOA vmail
naftemporiki
Μελετητής Google
EIS - Home page
DIDBase Ionogram-Scale...
Web of Knowledge [v.5.1...
espas
Hello, Ioanna Tsagouri | Sign Out
near earth space data infrastructure for e-science
HOME
SEARCH
BROWSE
SUPPORT
MY ACCOUNT
Current Selections
Time Periods: 2005-01-21 - 2005-01-23 00:00 - 23:59 UTC
Observed Properties: Magnetic Field, Magnetic Field NED Eastward Component, ...
Back
Submit
Start New Search
Search by observed properties
Select Observed Properties on the right [Filter with available options on the left]
Clear
Filter by
Measurand
Phenomenon
Qualifier
Observed Properties
Start typing to select options...
Select All
Deselect All
F1-layer Critical Frequency (foF1)
F2-layer Critical Frequency (foF2)
Ion Composition ([]/[])
Ion Density (Ni)
Ion Drift Velocity (Vi)
Ion-neutral collision frequency (Vin)
Ion Temperature (Ti)
Minimum frequency of Reflections from Plasma Layer (fmin)
Minimum Virtual Height of E layer (h'E)
Minimum Virtual Height of Es layer (h'Es)
Minimum Virtual Height of F layer (h'F)
Neutral Horizontal Wind Velocity (Vn-horiz)
Optical Photon Flux (qp)
Proton Flux (F)
Standard MUF at 3000 km (MUF(3000)F2)
Te/Ti temperature ratio (Te/Ti)
Top Frequency of Reflections from Plasma Layer (ft)
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HOME SEARCH BROWSE SUPPORT MY ACCOUNT
Current Selections
Time Periods: 2005-01-21 - 2005-01-23 00:00 - 23:59 UTC
Observed Properties: Magnetic Field, Magnetic Field NED Eastward Component, ...
Assets: DTU Space fluxgate magnetometer, EISCAT Kiruna Receiver, ...
Back Submit
Start New Search
Search by assets
Select Assets on the right [Filter with available options on the left]
Clear
Filter by
Asset Type
Start typing to select options...
Select All Deselect All
Instrument types
Energetic Particle Detector
Incoherent Scatter Radar
Ionosonde
Langmuir Probe
Magnetometer
Resonance Relaxation Sounder
Retarding Potential Analyser
Platform
Project
Assets
Start typing to select options...
Select All Deselect All
ISL (Langmuir probe) on board DEMETER
Karmøy Magnetometer
Leknes Magnetometer
Longyearbyen Magnetometer
MEPED energetic particle instrument onboard NOAA-15
MEPED energetic particle instrument onboard NOAA-16
MEPED energetic particle instrument onboard NOAA-17
Ny-Ålesund Magnetometer
Sodankyl�� Ionosonde (SO166)
Solund Magnetometer
Sørøya Magnetometer
Tromsø Geomagnetic Observartory Magnetometer
WHISPER Instrument Onboard Cluster1
WHISPER Instrument Onboard Cluster2
WHISPER Instrument Onboard Cluster3
WHISPER Instrument Onboard Cluster4
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Current Selections
Time Periods: 2005-01-21 - 2005-01-23 00:00 - 23:59 UTC
Observed Properties: Magnetic Field, Magnetic Field NED Eastward Component, ...
Assets: DTU Space fluxgate magnetometer, EISCAT Kiruna Receiver, ...
Observation Collections: DEMETER IAP - Characteristics of Low Energy Ions in Burst Mode (DMT_N1_1139), DEMETER IAP - Characteristics of Low Energy Ions in Survey Mode (DMT_N1_1140), ...
Back Submit
Start New Search
Search by observation collections
Select Observation Collections on the right [Filter with available options on the left]
Clear
Filter by
Region of Space
Start typing to select options...
Select All Deselect All
Earth's Magnetosphere
Ionosphere
Dimensionality
Observation Collection
Start typing to select options...
Select All Deselect All
DEMETER IAP - Characteristics of Low Energy Ions in Burst Mode (DMT_N1
DEMETER IAP - Characteristics of Low Energy Ions in Survey Mode (DMT_N
EISCAT ISR standard parameters
NOAA-15 MEPED energetic particle data
NOAA-16 MEPED energetic particle data
NOAA-17 MEPED energetic particle data
Tromsø Magnetometer Data
WHISPER1 Electron Density
WHISPER2 Electron Density
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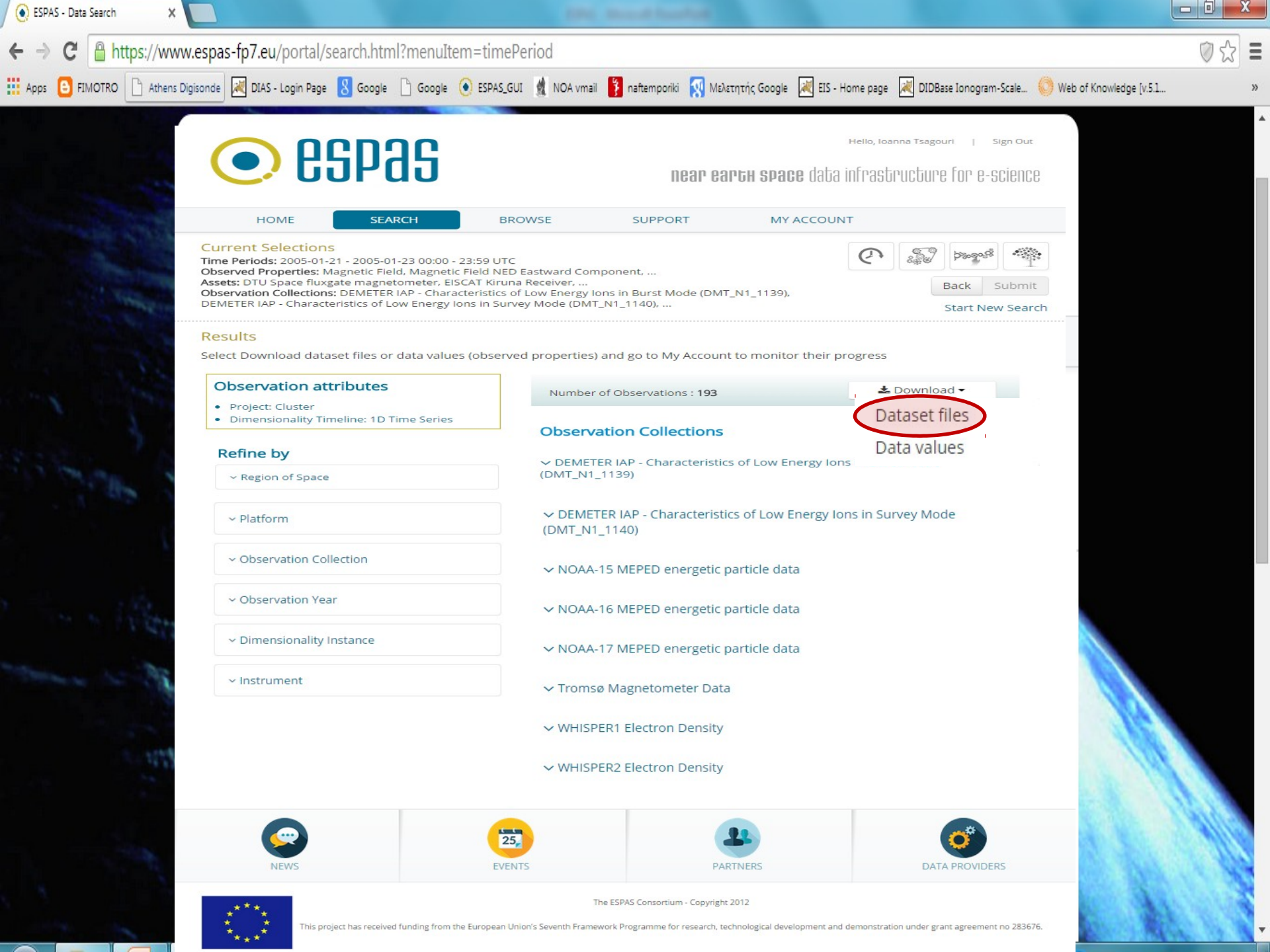
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Current Selections
Time Periods: 2005-01-21 - 2005-01-23 00:00 - 23:59 UTC
Observed Properties: Magnetic Field, Magnetic Field NED Eastward Component, ...
Assets: DTU Space fluxgate magnetometer, EISCAT Kiruna Receiver, ...
Observation Collections: DEMETER IAP - Characteristics of Low Energy Ions in Burst Mode (DMT_N1_1139), DEMETER IAP - Characteristics of Low Energy Ions in Survey Mode (DMT_N1_1140), ...
Back
Submit
Start New Search
Results
Select Download dataset files or data values (observed properties) and go to My Account to monitor their progress
Observation attributes
Project: Cluster
Dimensionality Timeline: 1D Time Series
Refine by
Region of Space
Platform
Observation Collection
Observation Year
Dimensionality Instance
Instrument
Number of Observations : 193
Download
Dataset files
Data values
Observation Collections
DEMETER IAP - Characteristics of Low Energy Ions (DMT_N1_1139)
DEMETER IAP - Characteristics of Low Energy Ions in Survey Mode (DMT_N1_1140)
NOAA-15 MEPED energetic particle data
NOAA-16 MEPED energetic particle data
NOAA-17 MEPED energetic particle data
Tromsø Magnetometer Data
WHISPER1 Electron Density
WHISPER2 Electron Density
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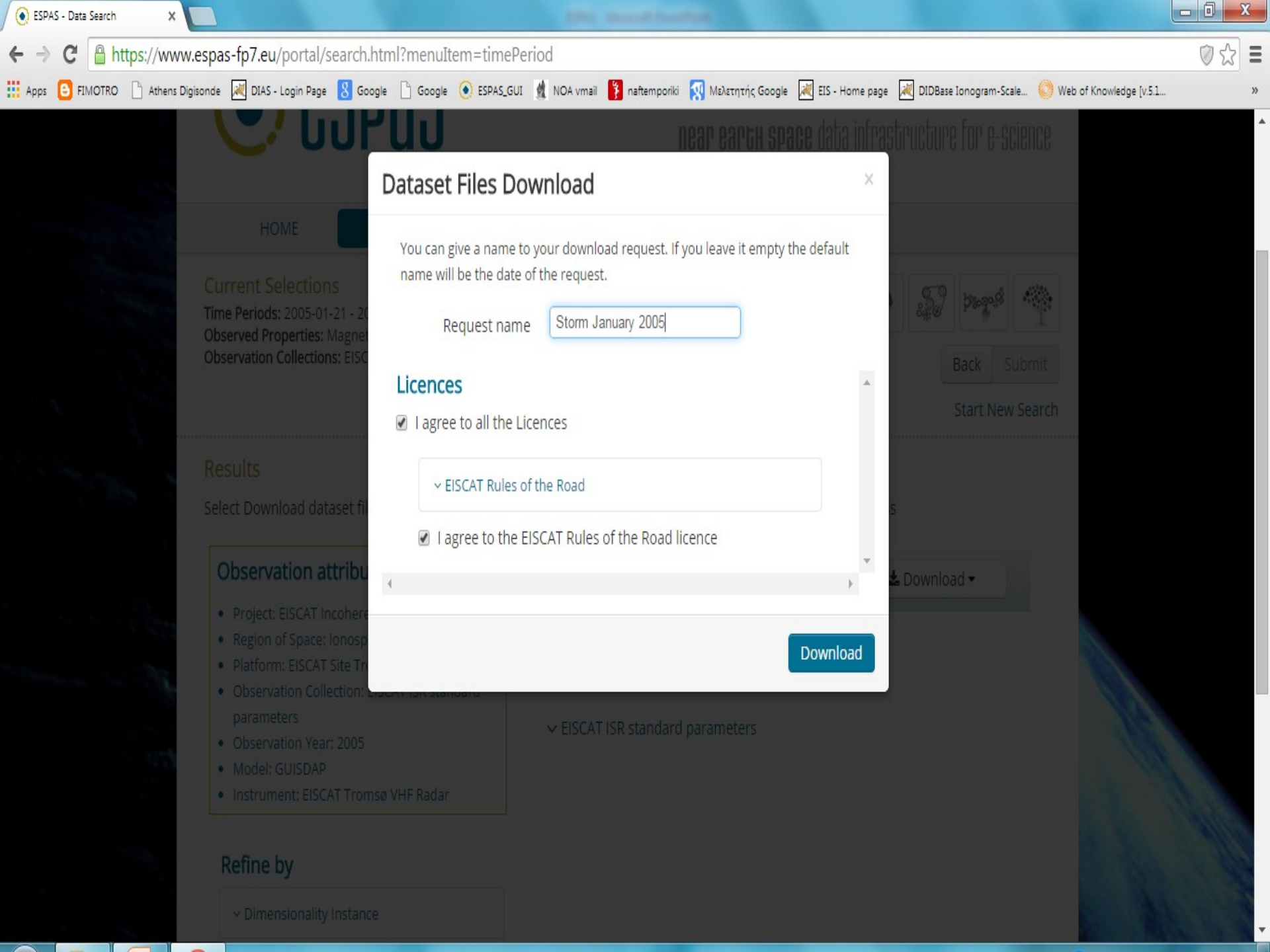
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Current Selections
Time Periods: 2005-01-21 - 2
Observed Properties: Magne
Observation Collections: EISC
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Results
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Observation attribu
Project: EISCAT Incohere
Region of Space: Ionosp
Platform: EISCAT Site Tr
Observation Collection:
parameters
Observation Year: 2005
Model: GUISDAP
Instrument: EISCAT Tromsø VHF Radar
EISCAT ISR standard parameters
Download
Refine by
Dimensionality Instance
Dataset Files Download
You can give a name to your download request. If you leave it empty the default name will be the date of the request.
Request name
Storm January 2005
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EISCAT Rules of the Road
I agree to the EISCAT Rules of the Road licence
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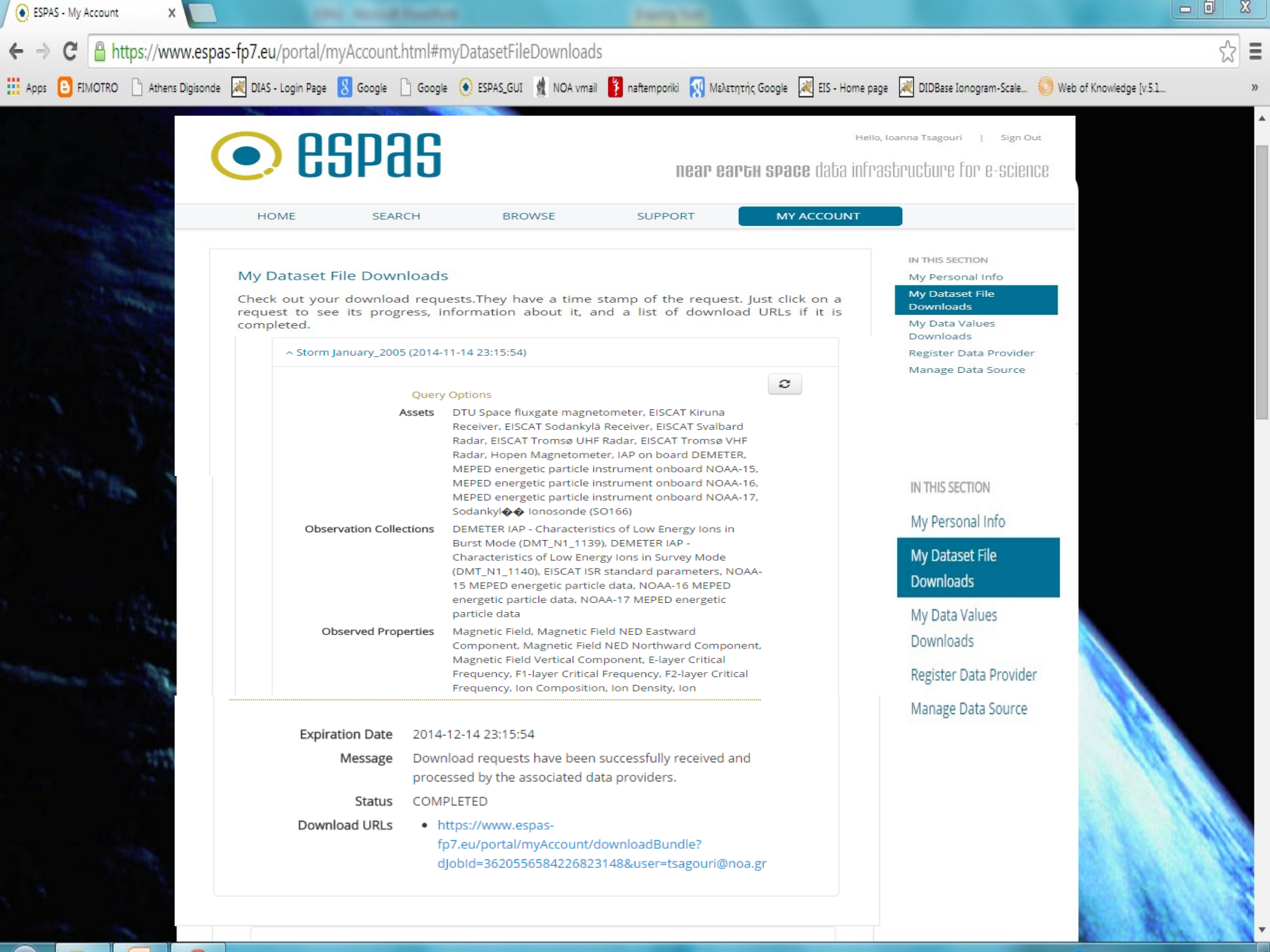
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Google
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Μελετητής Google
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Web of Knowledge [v.5.1...
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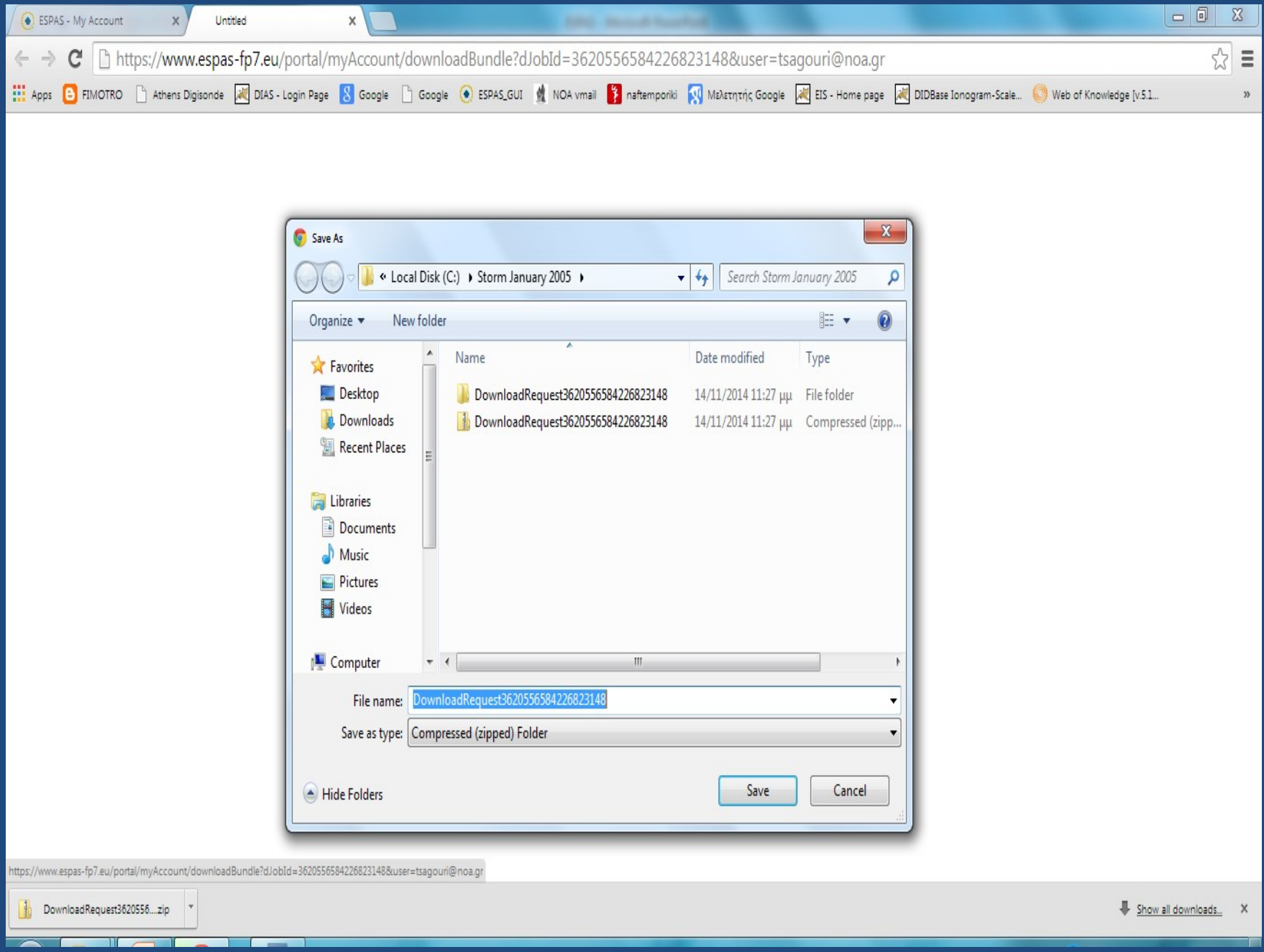
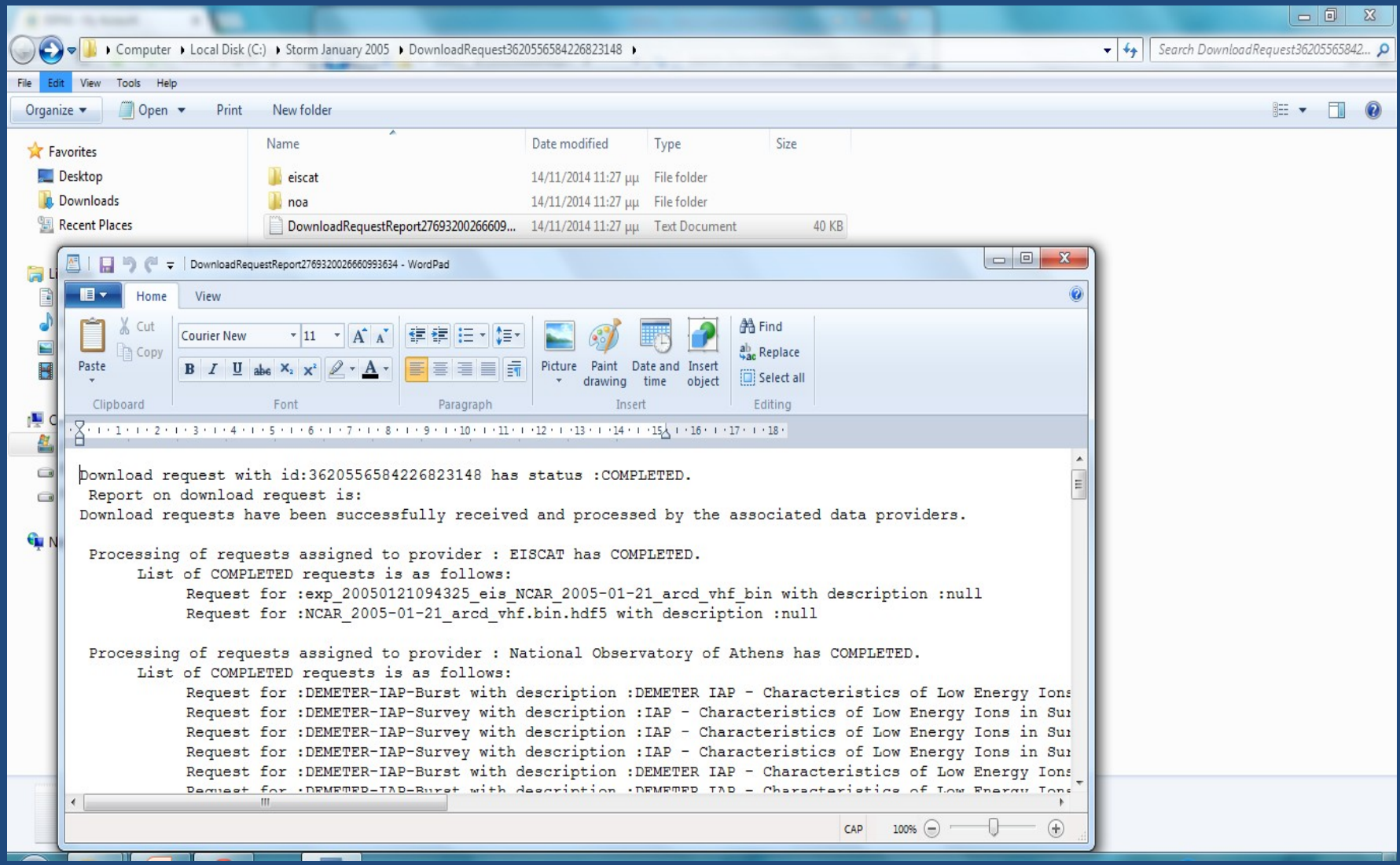
My Dataset File Downloads
Check out your download requests.They have a time stamp of the request. Just click on a request to see its progress, information about it, and a list of download URLs if it is completed.
Storm January_2005 (2014-11-14 23:15:54)
Query Options
Assets
DTU Space fluxgate magnetometer, EISCAT Kiruna Receiver, EISCAT Sodankylä Receiver, EISCAT Svalbard Radar, EISCAT Tromsø UHF Radar, EISCAT Tromsø VHF Radar, Hopen Magnetometer, IAP on board DEMETER, MEPED energetic particle instrument onboard NOAA-15, MEPED energetic particle instrument onboard NOAA-16, MEPED energetic particle instrument onboard NOAA-17, Sodankyl�� Ionosonde (SO166)
Observation Collections
DEMETER IAP - Characteristics of Low Energy Ions in Burst Mode (DMT_N1_1139), DEMETER IAP - Characteristics of Low Energy Ions in Survey Mode (DMT_N1_1140), EISCAT ISR standard parameters, NOAA-15 MEPED energetic particle data, NOAA-16 MEPED energetic particle data, NOAA-17 MEPED energetic particle data
Observed Properties
Magnetic Field, Magnetic Field NED Eastward Component, Magnetic Field NED Northward Component, Magnetic Field Vertical Component, E-layer Critical Frequency, F1-layer Critical Frequency, F2-layer Critical Frequency, Ion Composition, Ion Density, Ion
Expiration Date
2014-12-14 23:15:54
Message
Download requests have been successfully received and processed by the associated data providers.
Status
COMPLETED
Download URLs
https://www.espas-fp7.eu/portal/myAccount/downloadBundle?dJobId=3620556584226823148&user=tsagouri@noa.gr
IN THIS SECTION
My Personal Info
My Dataset File Downloads
My Data Values Downloads
Register Data Provider
Manage Data Source
IN THIS SECTION
My Personal Info
My Dataset File Downloads
My Data Values Downloads
Register Data Provider
Manage Data Source


ESPAS - My Account
Untitled
https://www.espas-fp7.eu/portal/myAccount/downloadBundle?dJobId=3620556584226823148&user=tsagouri@noa.gr
Apps
FIMOTRO
Athens Digisonde
DIAS - Login Page
Google
Google
ESPAS_GUI
NOA vmail
naftemporiki
Μελετητής Google
EIS - Home page
DIDBase Ionogram-Scale...
Web of Knowledge [v.5.1...
Save As
« Local Disk (C:) ▸ Storm January 2005 ▸
Search Storm January 2005
Organize
New folder
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Computer
Name
Date modified
Type
DownloadRequest3620556584226823148
14/11/2014 11:27 μμ
File folder
DownloadRequest3620556584226823148
14/11/2014 11:27 μμ
Compressed (zipp...
File name:
DownloadRequest3620556584226823148
Save as type:
Compressed (zipped) Folder
Hide Folders
Save
Cancel
https://www.espas-fp7.eu/portal/myAccount/downloadBundle?dJobId=3620556584226823148&user=tsagouri@noa.gr
DownloadRequest3620556....zip
Show all downloads...


Computer ▸ Local Disk (C:) ▸ Storm January 2005 ▸ DownloadRequest3620556584226823148 ▸
Search DownloadRequest36205565842...
File Edit View Tools Help
Organize Open Print New folder
Favorites
Desktop
Downloads
Recent Places
Name
Date modified
Type
Size
eiscat 14/11/2014 11:27 μμ File folder
noa 14/11/2014 11:27 μμ File folder
DownloadRequestReport27693200266609... 14/11/2014 11:27 μμ Text Document 40 KB
DownloadRequestReport2769320026660993634 - WordPad
Home View
Cut Copy Paste
Courier New 11
Clipboard Font Paragraph
Picture Paint drawing Date and time Insert object
Find Replace Select all
Insert Editing
Download request with id:3620556584226823148 has status :COMPLETED.
Report on download request is:
Download requests have been successfully received and processed by the associated data providers.
Processing of requests assigned to provider : EISCAT has COMPLETED.
List of COMPLETED requests is as follows:
Request for :exp_20050121094325_eis_NCAR_2005-01-21_arcd_vhf_bin with description :null
Request for :NCAR_2005-01-21_arcd_vhf.bin.hdf5 with description :null
Processing of requests assigned to provider : National Observatory of Athens has COMPLETED.
List of COMPLETED requests is as follows:
Request for :DEMETER-IAP-Burst with description :DEMETER IAP - Characteristics of Low Energy Ions
Request for :DEMETER-IAP-Survey with description :IAP - Characteristics of Low Energy Ions in Sur
Request for :DEMETER-IAP-Survey with description :IAP - Characteristics of Low Energy Ions in Sur
Request for :DEMETER-IAP-Survey with description :IAP - Characteristics of Low Energy Ions in Sur
Request for :DEMETER-IAP-Burst with description :DEMETER IAP - Characteristics of Low Energy Ions
CAP 100%

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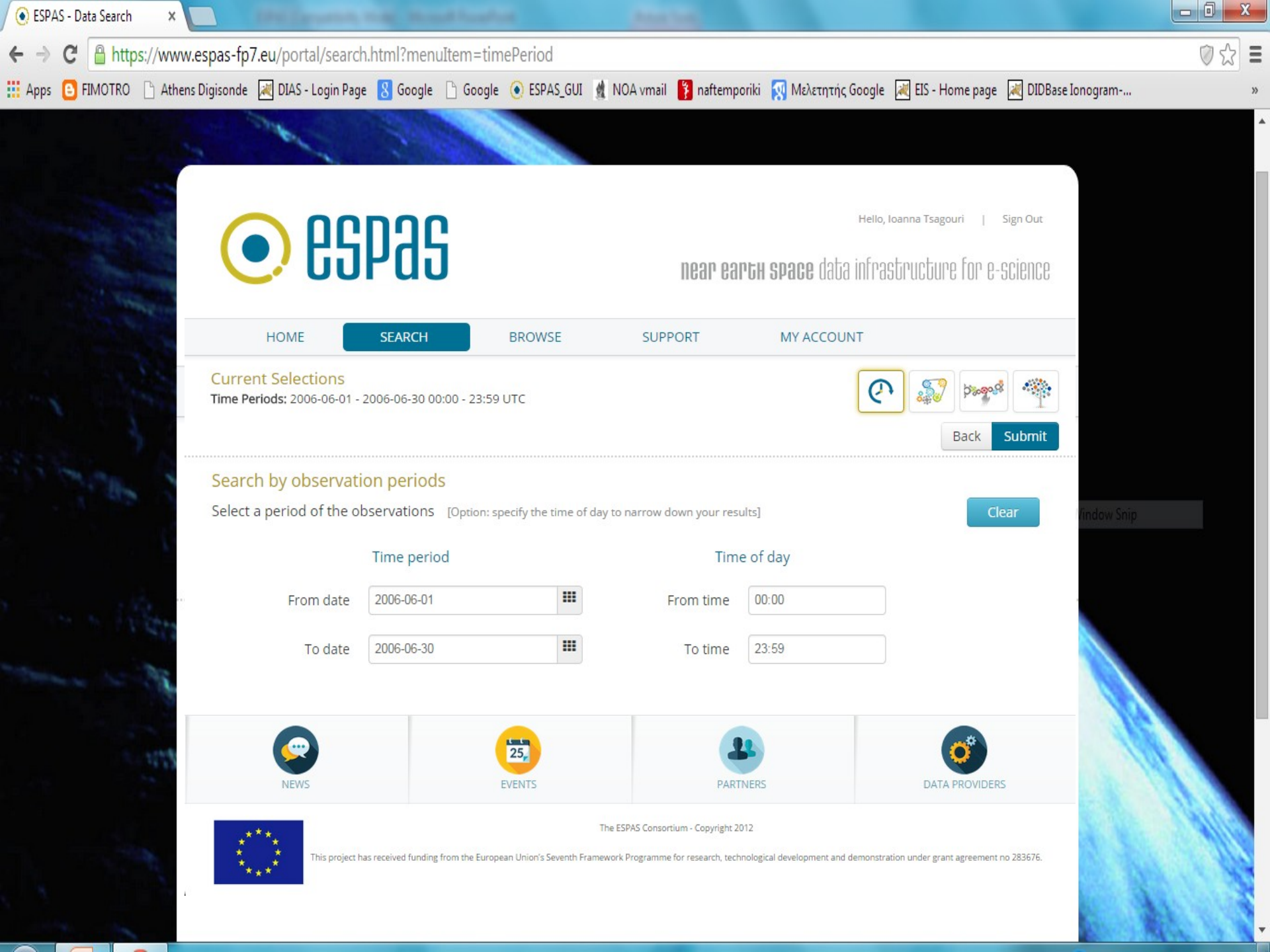
Example 2: **Characteristics search**

Study of the ionospheric variation (critical frequencies) in June 2006 in
in European middle latitudes

Suggested route:
Time period Observed property Assets Observation Collections Submit


ESPAS - Data Search
https://www.espas-fp7.eu/portal/search.html?menuItem=timePeriod
Apps
FIMOTRO
Athens Digisonde
DIAS - Login Page
Google
Google
ESPAS_GUI
NOA vmail
naftemporiki
Μελετητής Google
EIS - Home page
DIDBase Ionogram-...
Hello, Ioanna Tsagouri | Sign Out
near earth space data infrastructure for e-science
HOME
SEARCH
BROWSE
SUPPORT
MY ACCOUNT
Current Selections
Time Periods: 2006-06-01 - 2006-06-30 00:00 - 23:59 UTC
Back
Submit
Search by observation periods
Select a period of the observations
[Option: specify the time of day to narrow down your results]
Clear
Time period
Time of day
From date
2006-06-01
From time
00:00
To date
2006-06-30
To time
23:59
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Athens Digisonde
DIAS - Login Page
Google
Google
ESPAS_GUI
NOA vmail
naftemporiki
Μελετητής Google
EIS - Home page
DIDBase Ionogram-Scale...
Web of Knowledge [v.5.1...
espas
Hello, Ioanna Tsagouri | Sign Out
near earth space data infrastructure for e-science
HOME
SEARCH
BROWSE
SUPPORT
MY ACCOUNT
Current Selections
Time Periods: 2006-06-01 - 2006-06-30 00:00 - 23:59 UTC
Observed Properties: E-layer Critical Frequency, F1-layer Critical Frequency, ...
Back
Submit
Start New Search
Search by observed properties
Select Observed Properties on the right
[Filter with available options on the left]
Clear
Filter by
Measurand
Phenomenon
Qualifier
Observed Properties
Start typing to select options...
Select All
Deselect All
Minimum frequency of ionospheric reflections in F region (fminF)
Auroral (particle) E-layer Critical Frequency (foEa)
Chapman-approximation scale height of F2 layer (qc)
Density Profile Shape B1 (B1)
Density Profile Shape D1 (D1)
E-layer Critical Frequency (foE)
Electron Flux (Fe)
Electron Temperature (Te)
Es-layer Blanketing Frequency (fbEs)
Es-layer Critical Frequency (foEs)
F1-layer Critical Frequency (foF1)
F2-layer Critical Frequency (foF2)
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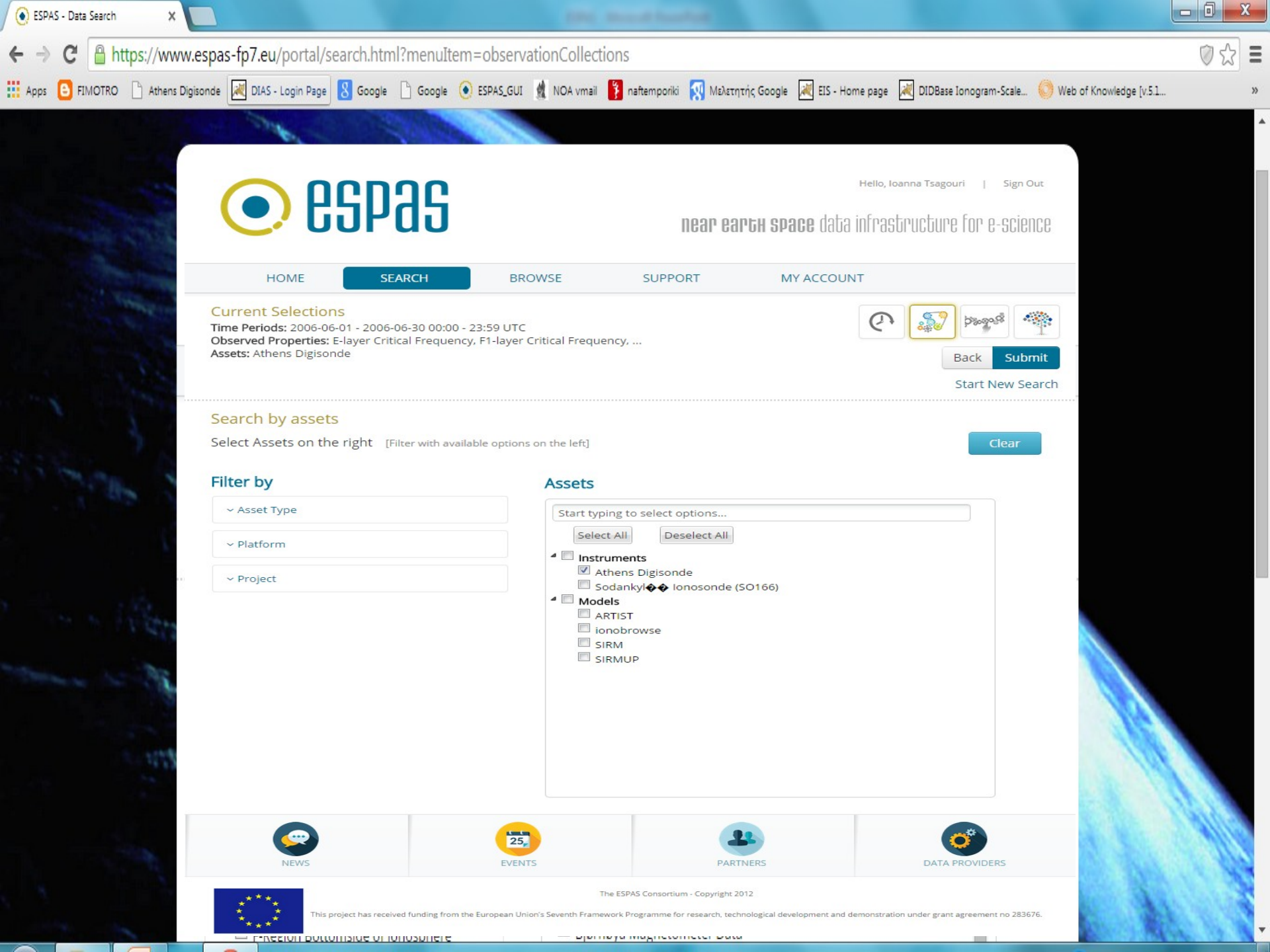
ESPAS - Data Search
https://www.espas-fp7.eu/portal/search.html?menuItem=observationCollections
Apps
FIMOTRO
Athens Digisonde
DIAS - Login Page
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Google
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NOA vmail
naftemporiki
Μελετητής Google
EIS - Home page
DIDBase Ionogram-Scale...
Web of Knowledge [v.5.1...
espas
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near earth space data infrastructure for e-science
HOME
SEARCH
BROWSE
SUPPORT
MY ACCOUNT
Current Selections
Time Periods: 2006-06-01 - 2006-06-30 00:00 - 23:59 UTC
Observed Properties: E-layer Critical Frequency, F1-layer Critical Frequency, ...
Assets: Athens Digisonde
Back
Submit
Start New Search
Search by assets
Select Assets on the right
[Filter with available options on the left]
Clear
Filter by
Asset Type
Platform
Project
Assets
Start typing to select options...
Select All
Deselect All
Instruments
Athens Digisonde
Sodankyl�� Ionosonde (SO166)
Models
ARTIST
ionobrowse
SIRM
SIRMUP
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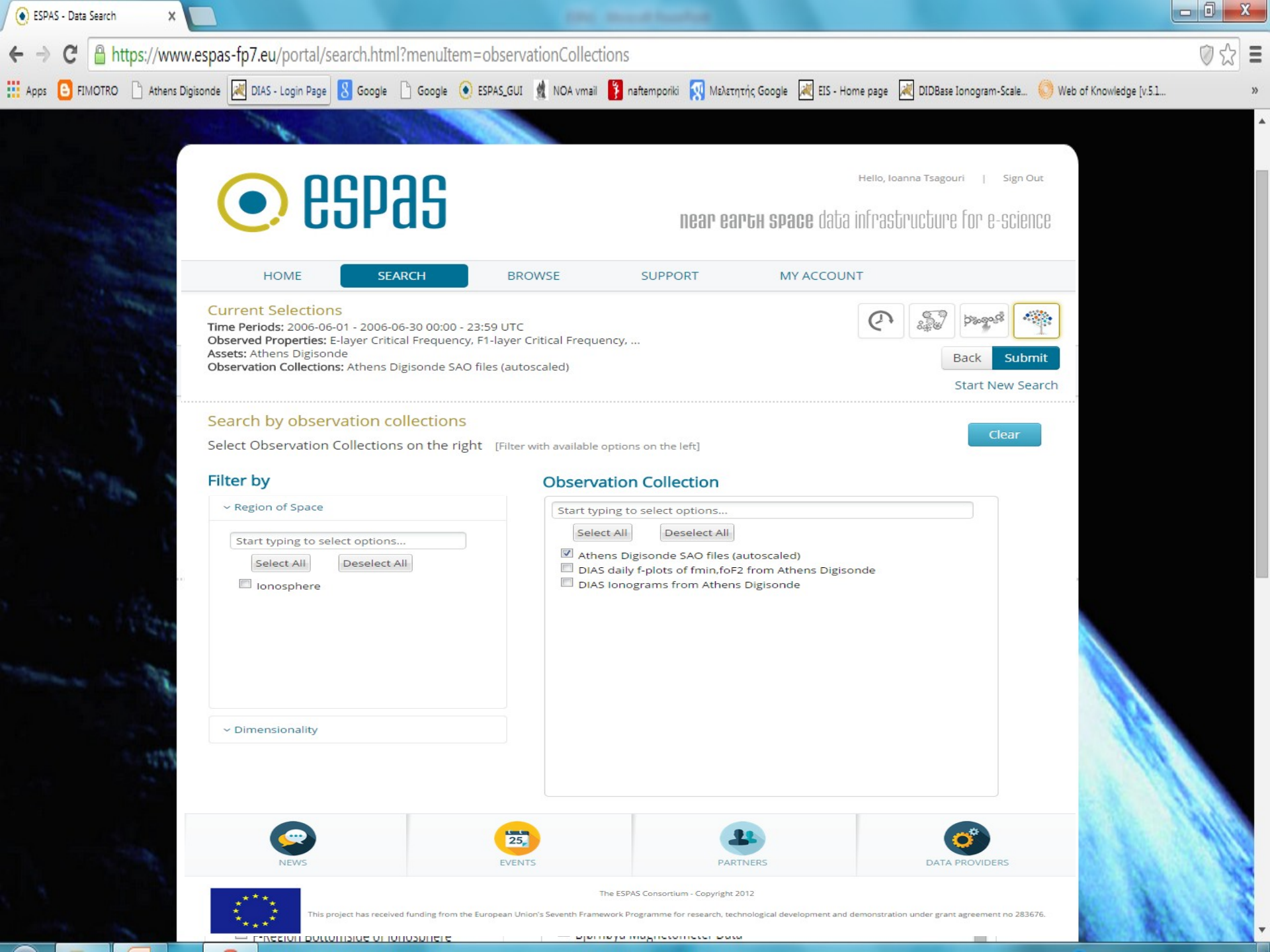
ESPAS - Data Search
https://www.espas-fp7.eu/portal/search.html?menuItem=observationCollections
Apps
FIMOTRO
Athens Digisonde
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Google
Google
ESPAS_GUI
NOA vmail
naftemporiki
Μελετητής Google
EIS - Home page
DIDBase Ionogram-Scale...
Web of Knowledge [v.5.1...
espas
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HOME
SEARCH
BROWSE
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MY ACCOUNT
Current Selections
Time Periods: 2006-06-01 - 2006-06-30 00:00 - 23:59 UTC
Observed Properties: E-layer Critical Frequency, F1-layer Critical Frequency, ...
Assets: Athens Digisonde
Observation Collections: Athens Digisonde SAO files (autoscaled)
Back
Submit
Start New Search
Search by observation collections
Select Observation Collections on the right
[Filter with available options on the left]
Clear
Filter by
Region of Space
Start typing to select options...
Select All
Deselect All
Ionosphere
Dimensionality
Observation Collection
Start typing to select options...
Select All
Deselect All
Athens Digisonde SAO files (autoscaled)
DIAS daily f-plots of fmin,foF2 from Athens Digisonde
DIAS Ionograms from Athens Digisonde
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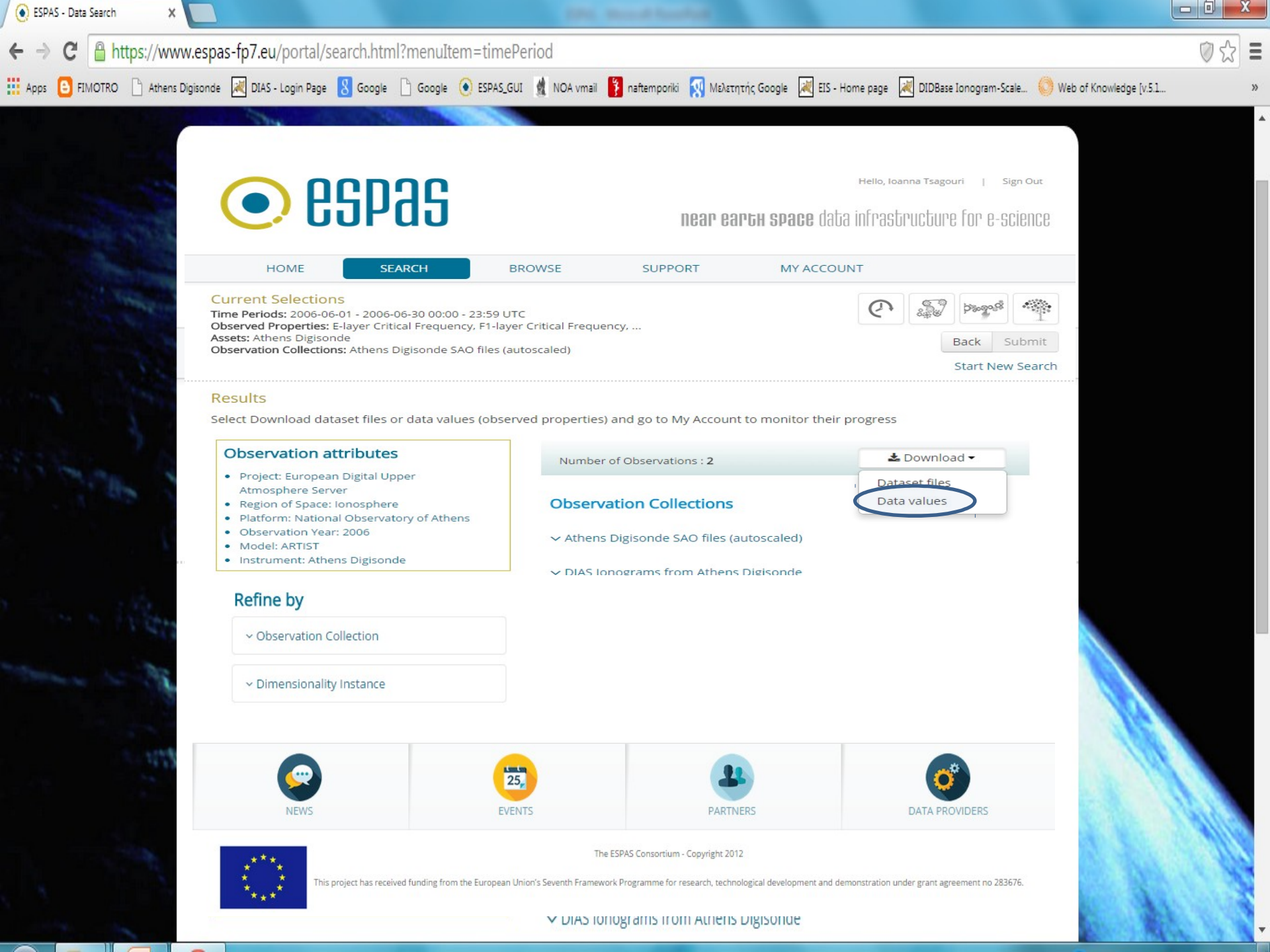
ESPAS - Data Search
https://www.espas-fp7.eu/portal/search.html?menuItem=timePeriod
Apps FIMOTRO Athens Digisonde DIAS - Login Page Google Google ESPAS_GUI NOA vmail naftemporiki Μελετητής Google EIS - Home page DIDBase Ionogram-Scale... Web of Knowledge [v.5.1...
espas
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HOME SEARCH BROWSE SUPPORT MY ACCOUNT
Current Selections
Time Periods: 2006-06-01 - 2006-06-30 00:00 - 23:59 UTC
Observed Properties: E-layer Critical Frequency, F1-layer Critical Frequency, ...
Assets: Athens Digisonde
Observation Collections: Athens Digisonde SAO files (autoscaled)
Back Submit
Start New Search
Results
Select Download dataset files or data values (observed properties) and go to My Account to monitor their progress
Observation attributes
Project: European Digital Upper Atmosphere Server
Region of Space: Ionosphere
Platform: National Observatory of Athens
Observation Year: 2006
Model: ARTIST
Instrument: Athens Digisonde
Number of Observations : 2
Download
Dataset files
Data values
Observation Collections
Athens Digisonde SAO files (autoscaled)
DIAS Ionograms from Athens Digisonde
Refine by
Observation Collection
Dimensionality Instance
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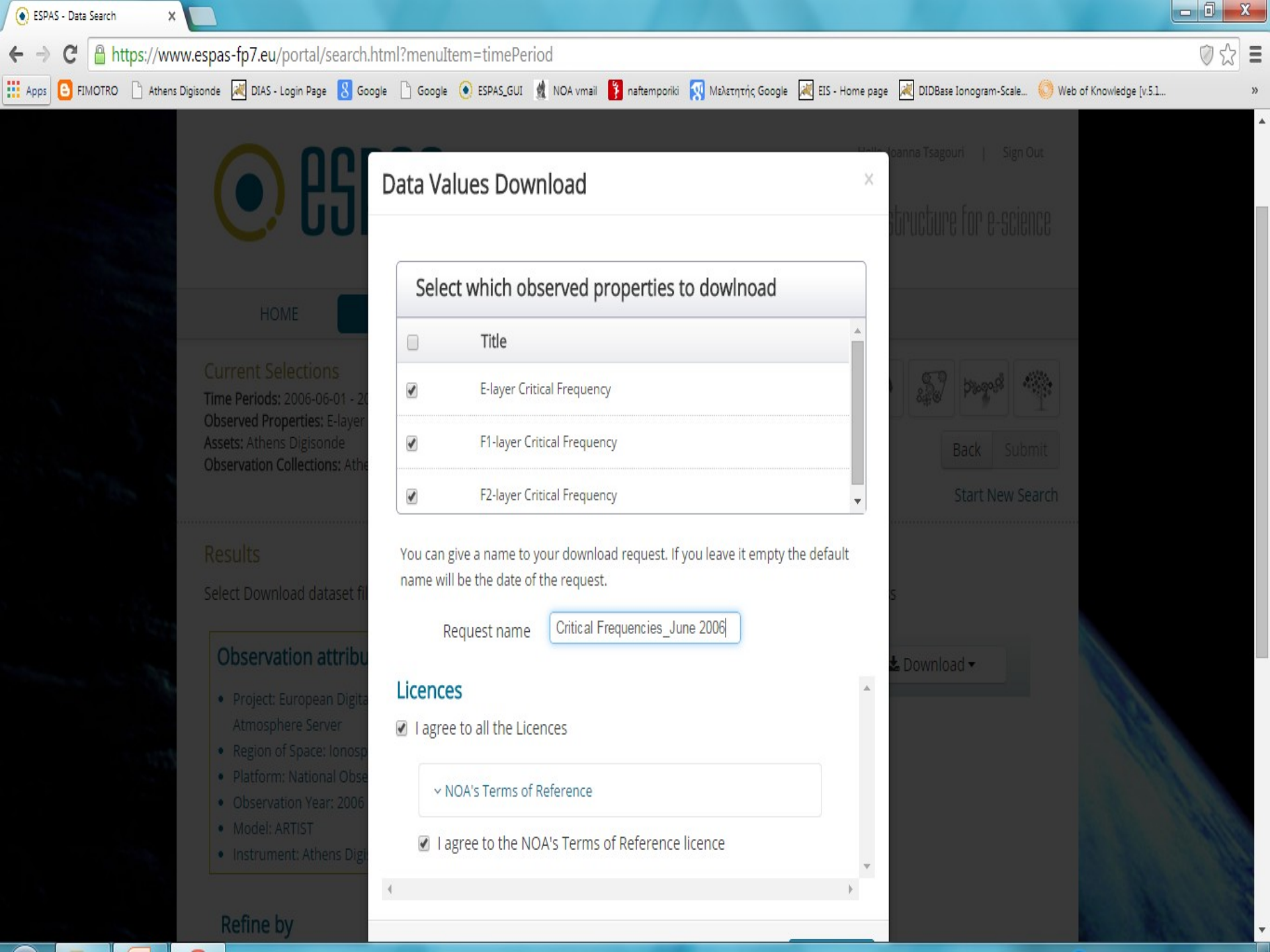
DIAS Ionograms from Athens Digisonde


ESPAS - Data Search
https://www.espas-fp7.eu/portal/search.html?menuItem=timePeriod
Data Values Download
Select which observed properties to dowlnoad
Title
E-layer Critical Frequency
F1-layer Critical Frequency
F2-layer Critical Frequency
You can give a name to your download request. If you leave it empty the default name will be the date of the request.
Request name
Critical Frequencies_June 2006
Licences
I agree to all the Licences
NOA's Terms of Reference
I agree to the NOA's Terms of Reference licence
HOME
Current Selections
Results
Back
Submit
Start New Search
Download
Refine by

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https://www.espas-fp7.eu/portal/myAccount.html#myDataValueDownloads
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Google
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naftemporiki
Μελετητής Google
EIS - Home page
DIDBase Ionogram-Scale...
Web of Knowledge [v.5.1...
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MY ACCOUNT
Critical Frequencies_June 2006 (2014-11-14 17:20:11)
Query Options
Assets
Athens Digisonde
Observation Collections
Athens Digisonde SAO files (autoscaled)
Observed Properties
E-layer Critical Frequency, F1-layer Critical Frequency, F2-layer Critical Frequency
Time Periods
2006-06-01 - 2006-07-02 00:00 - 23:59 UTC
Expiration Date
2014-12-14 17:20:11
Message
Processing of sos request has completed
Status
COMPLETED
Get Data as
Get Plot Data as
IN THIS SECTION
My Personal Info
My Dataset File Downloads
My Data Values Downloads
Register Data Provider
Manage Data Source
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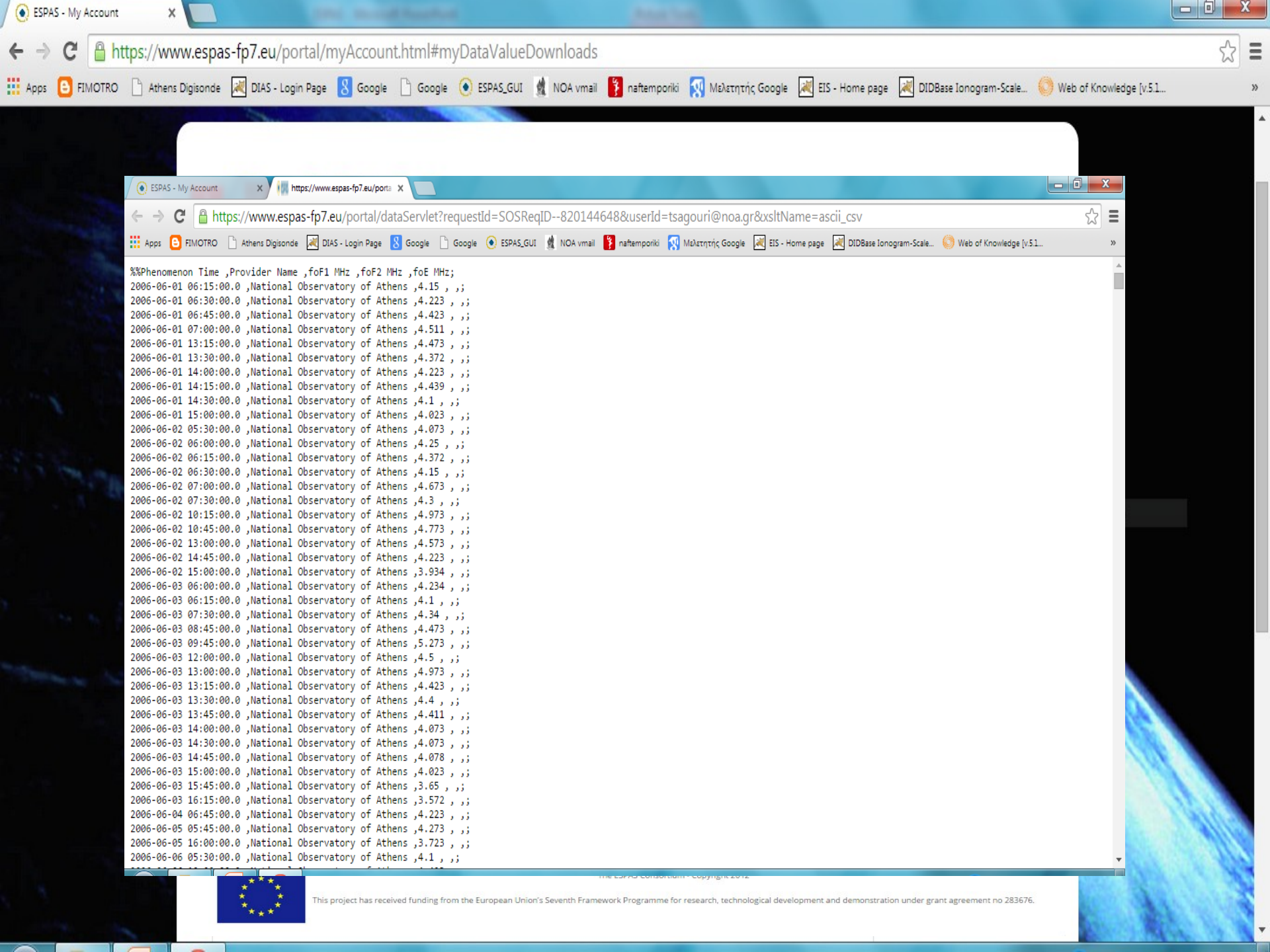
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https://www.espas-fp7.eu/portal/myAccount.html#myDataValueDownloads
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https://www.espas-fp7.eu/portal/dataServlet?requestId=SOSReqID--820144648&userId=tsagouri@noa.gr&xsltName=ascii_csv
%%Phenomenon Time ,Provider Name ,foF1 MHz ,foF2 MHz ,foE MHz;
2006-06-01 06:15:00.0 ,National Observatory of Athens ,4.15 , ,;
2006-06-01 06:30:00.0 ,National Observatory of Athens ,4.223 , ,;
2006-06-01 06:45:00.0 ,National Observatory of Athens ,4.423 , ,;
2006-06-01 07:00:00.0 ,National Observatory of Athens ,4.511 , ,;
2006-06-01 13:15:00.0 ,National Observatory of Athens ,4.473 , ,;
2006-06-01 13:30:00.0 ,National Observatory of Athens ,4.372 , ,;
2006-06-01 14:00:00.0 ,National Observatory of Athens ,4.223 , ,;
2006-06-01 14:15:00.0 ,National Observatory of Athens ,4.439 , ,;
2006-06-01 14:30:00.0 ,National Observatory of Athens ,4.1 , ,;
2006-06-01 15:00:00.0 ,National Observatory of Athens ,4.023 , ,;
2006-06-02 05:30:00.0 ,National Observatory of Athens ,4.073 , ,;
2006-06-02 06:00:00.0 ,National Observatory of Athens ,4.25 , ,;
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2006-06-02 07:00:00.0 ,National Observatory of Athens ,4.673 , ,;
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2006-06-02 10:15:00.0 ,National Observatory of Athens ,4.973 , ,;
2006-06-02 10:45:00.0 ,National Observatory of Athens ,4.773 , ,;
2006-06-02 13:00:00.0 ,National Observatory of Athens ,4.573 , ,;
2006-06-02 14:45:00.0 ,National Observatory of Athens ,4.223 , ,;
2006-06-02 15:00:00.0 ,National Observatory of Athens ,3.934 , ,;
2006-06-03 06:00:00.0 ,National Observatory of Athens ,4.234 , ,;
2006-06-03 06:15:00.0 ,National Observatory of Athens ,4.1 , ,;
2006-06-03 07:30:00.0 ,National Observatory of Athens ,4.34 , ,;
2006-06-03 08:45:00.0 ,National Observatory of Athens ,4.473 , ,;
2006-06-03 09:45:00.0 ,National Observatory of Athens ,5.273 , ,;
2006-06-03 12:00:00.0 ,National Observatory of Athens ,4.5 , ,;
2006-06-03 13:00:00.0 ,National Observatory of Athens ,4.973 , ,;
2006-06-03 13:15:00.0 ,National Observatory of Athens ,4.423 , ,;
2006-06-03 13:30:00.0 ,National Observatory of Athens ,4.4 , ,;
2006-06-03 13:45:00.0 ,National Observatory of Athens ,4.411 , ,;
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2006-06-03 14:30:00.0 ,National Observatory of Athens ,4.073 , ,;
2006-06-03 14:45:00.0 ,National Observatory of Athens ,4.078 , ,;
2006-06-03 15:00:00.0 ,National Observatory of Athens ,4.023 , ,;
2006-06-03 15:45:00.0 ,National Observatory of Athens ,3.65 , ,;
2006-06-03 16:15:00.0 ,National Observatory of Athens ,3.572 , ,;
2006-06-04 06:45:00.0 ,National Observatory of Athens ,4.223 , ,;
2006-06-05 05:45:00.0 ,National Observatory of Athens ,4.273 , ,;
2006-06-05 16:00:00.0 ,National Observatory of Athens ,3.723 , ,;
2006-06-06 05:30:00.0 ,National Observatory of Athens ,4.1 , ,;
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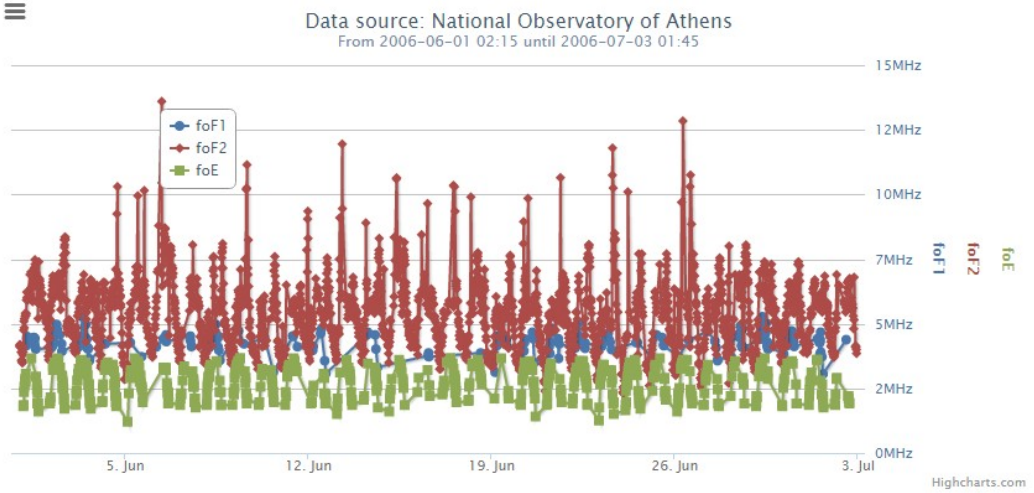
Assets	Athens Digisonde
Observation Collections	Athens Digisonde SAO files (autoscaled)
Observed Properties	E-layer Critical Frequency, F1-layer Critical Frequency, F2-

ESPAS Request: Critical Frequencies_June 2006 (2014-11-14 17:20:11)

Select any area to zoom



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