CEDAR Database update and Virtual Observatories

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Recent additions to CEDAR database

Database:

- 3 new instruments:
  - Fritz Peak Fabry-Perot red-line (~250 km) neutral winds and temperatures from 1973-1985
  - Ann Arbor Fabry-Perot red-line (~250 km) neutral winds and temperatures from 1986-1987
  - Jicamarca Unattended Long-term Investigations of the Ionosphere and Atmosphere (JULIA) coherent scatter radar proxy F-region ExB ion drifts data from 150-km echoes from 2001-2006

- Regular Updates from 3 instruments and satellite particle precipitation data:
  - Sondrestrom ISR for 2006-2007
  - Collm LF radar for 2006-2007
  - Wuppertal Spectrometer for 2006
  - Ion and electron precipitation from NOAA-15, -16, and -17 satellites for 2005

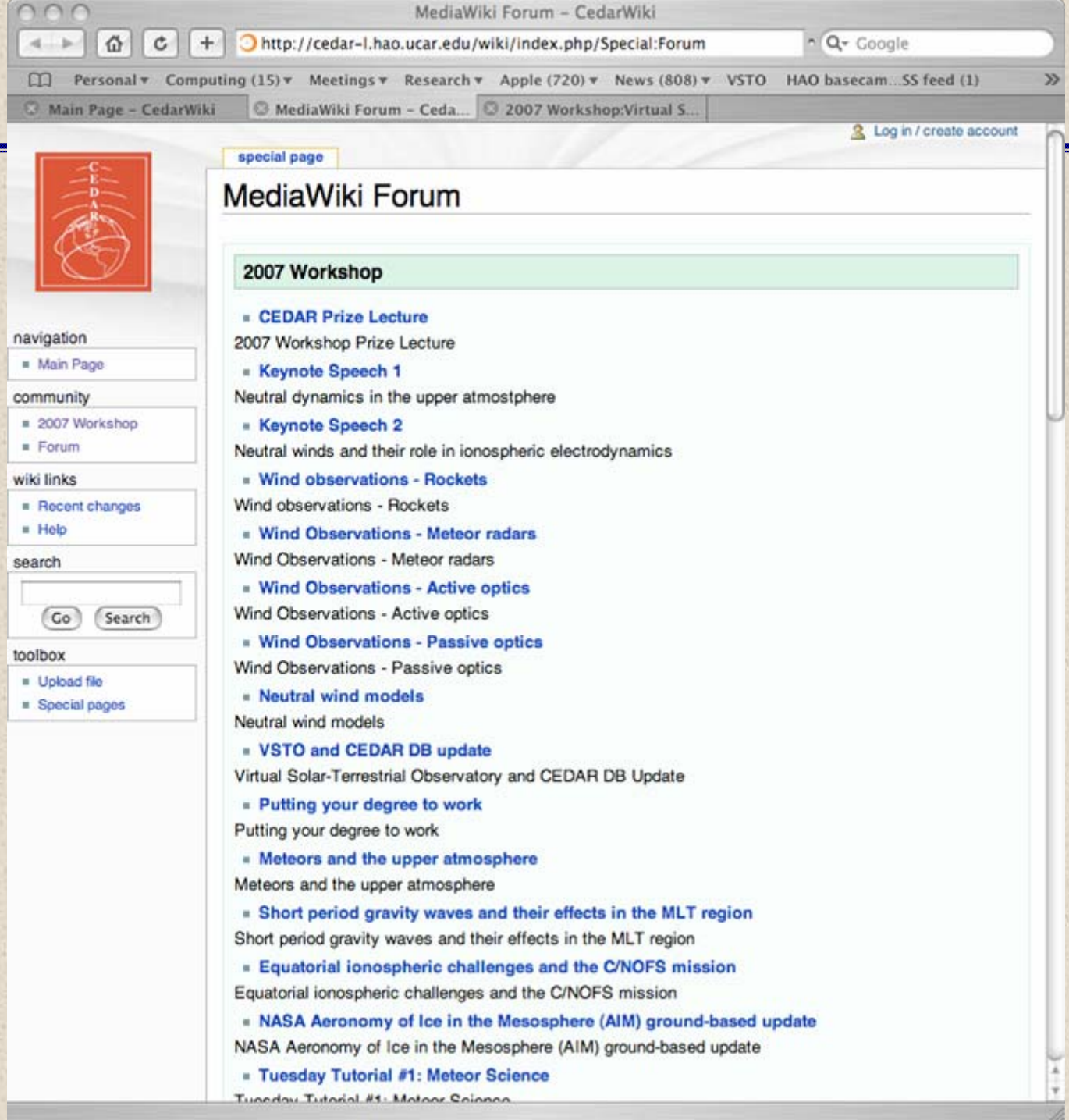
- Regular Updates from 5 indices:
  - Kp, 10.7 cm solar flux etc
  - hourly IMF
  - hourly Dst
  - Auroral Boundary Index or equatorward aurora boundary at midnight from DMSP
  - Estimated Hemispheric Power (auroral ion and electron inputs) from NOAA, DMSP and intercalibrated for both

Statistics summary

- 87 new webnames were made in 2006.
- 2006 saw the most users (89), the most new users (46), the most foreign users (36),and the most empirical model users (26) to date.
- The IS radars still drew the largest number of users (29), but that number is decreased from a high of 37 ISR users in 2005.
- Non-ISR instruments had 23 users, with strong interests in optical instruments < 150 km (11 users), in MLT wind radars (9 users), and in FPI instruments in the F region (7 users).
- Geophysical indices were taken by 20 users.
- The most popular data sets in 2006 were: Jicamarca ISR with 13 users, the apex and E-field models with 11 users each, the Weimer and MSIS models with 10 users each, the hemispheric power and auroral boundary indices with 9 users each, and the Arecibo ISR with 8 users.

What's New?

- VSTO focus on data selection/services, etc.
- VSTO serving CEDAR DB data **since last August**
- Migration of CEDARWEB to wiki/VSTO combination
- New NASA VxOs querying and accessing CEDAR
- Focus for CEDAR DB on revamping data ingest, implement distributed sources
- Wiki Forum for workshops
- Long-term repository pilot with Madrigal and cross-query
- Revamp of user/login handling - works across all interfaces


MediaWiki Forum – CedarWiki
http://cedar-l.hao.ucar.edu/wiki/index.php/Special:Forum
Google
Personal
Computing (15)
Meetings
Research
Apple (720)
News (808)
VSTO
HAO basecam...SS feed (1)
Main Page – CedarWiki
MediaWiki Forum – Ceda...
2007 Workshop:Virtual S...
Log in / create account
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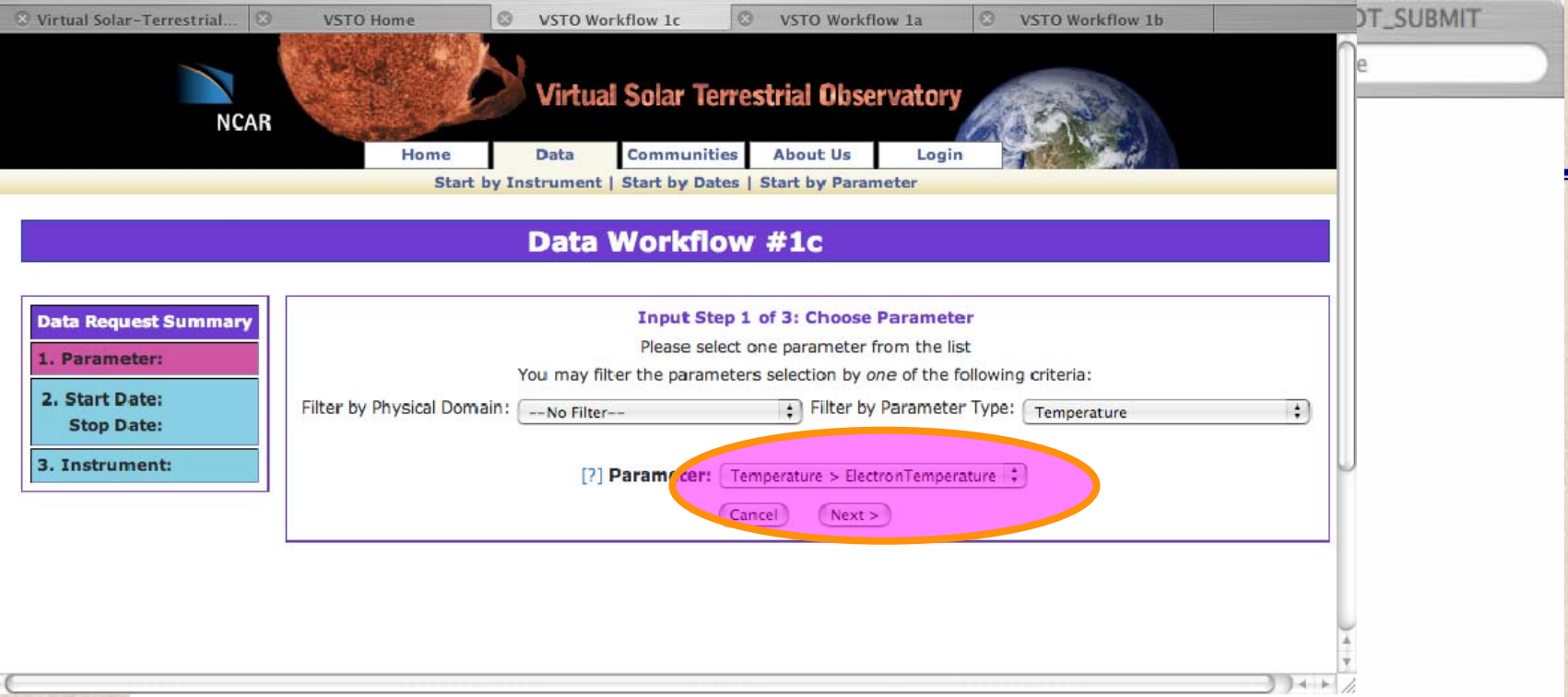
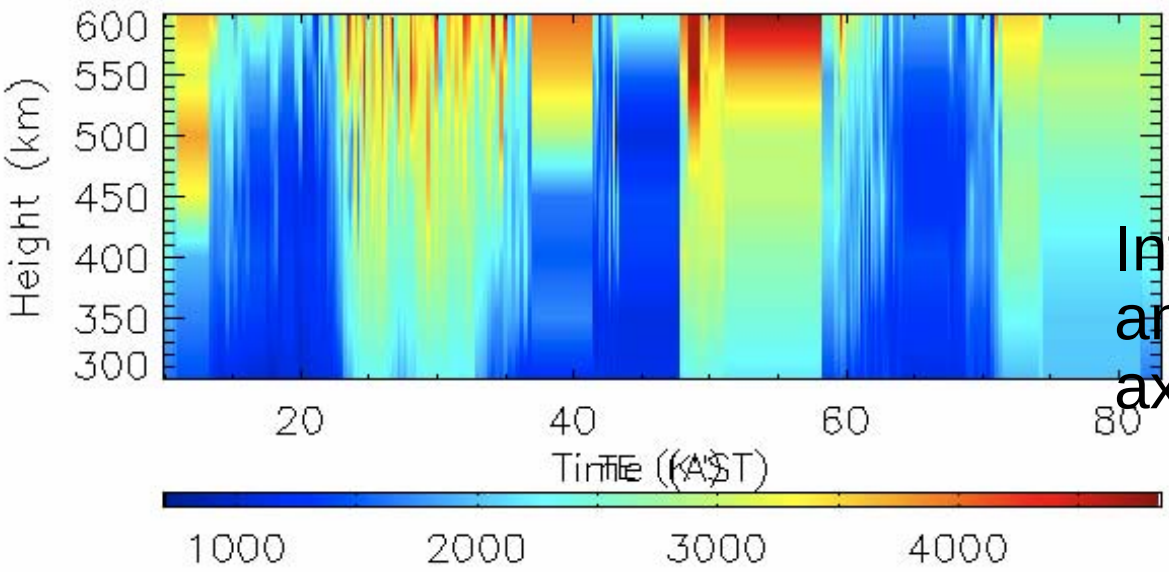
MediaWiki Forum
navigation
Main Page
community
2007 Workshop
Forum
wiki links
Recent changes
Help
search
Go
Search
toolbox
Upload file
Special pages
2007 Workshop
CEDAR Prize Lecture
2007 Workshop Prize Lecture
Keynote Speech 1
Neutral dynamics in the upper atmostphere
Keynote Speech 2
Neutral winds and their role in ionospheric electrodynamics
Wind observations - Rockets
Wind observations - Rockets
Wind Observations - Meteor radars
Wind Observations - Meteor radars
Wind Observations - Active optics
Wind Observations - Active optics
Wind Observations - Passive optics
Wind Observations - Passive optics
Neutral wind models
Neutral wind models
VSTO and CEDAR DB update
Virtual Solar-Terrestrial Observatory and CEDAR DB Update
Putting your degree to work
Putting your degree to work
Meteors and the upper atmosphere
Meteors and the upper atmosphere
Short period gravity waves and their effects in the MLT region
Short period gravity waves and their effects in the MLT region
Equatorial ionospheric challenges and the C/NOFS mission
Equatorial ionospheric challenges and the C/NOFS mission
NASA Aeronomy of Ice in the Mesosphere (AIM) ground-based update
NASA Aeronomy of Ice in the Mesosphere (AIM) ground-based update
Tuesday Tutorial #1: Meteor Science

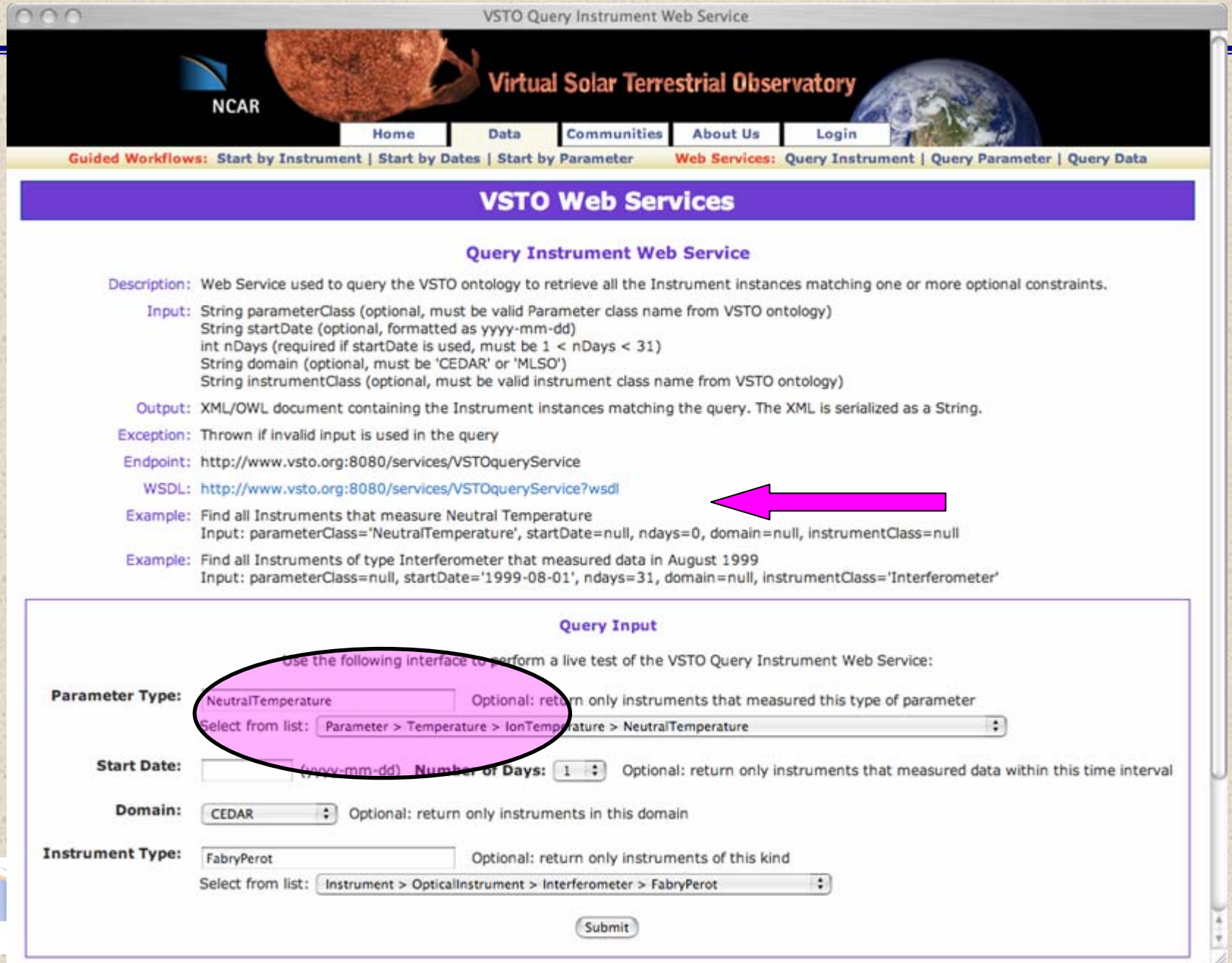
NCAR





Inferred plot type and return required axes data

Semantic Web Services



Looking forward

- Help your community facility
  - We rely on your data. Please tell us about new instruments/ data
  - Got updates? Please contact us: cedar_db@hao.ucar.edu
  - Holding onto data? Please consider contacting us to include it
  - Is there data you would like to see made available through CEDARWEB? Which data?
  - Feedback is always welcome – cedar_db@hao.ucar.edu
- Tuesday Workshop - VSTO and related input is being sought - lunch provided!!
- *e*GY - Virtual Observatory Conference www.voig.net
- For more information: contact (pfox@ucar.edu)