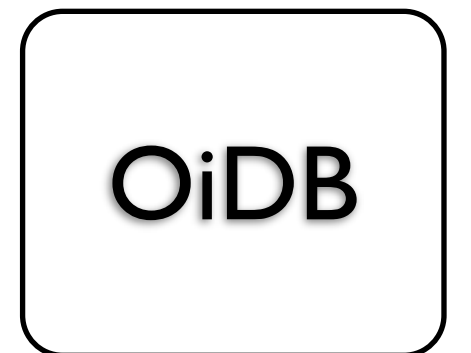


JMMC Support to PIONIER

M. Benisty (user support)

L. Bourges, G. Duvert, S. Lafrasse, G. Mella
JMMC members

Products



AppLauncher/VO

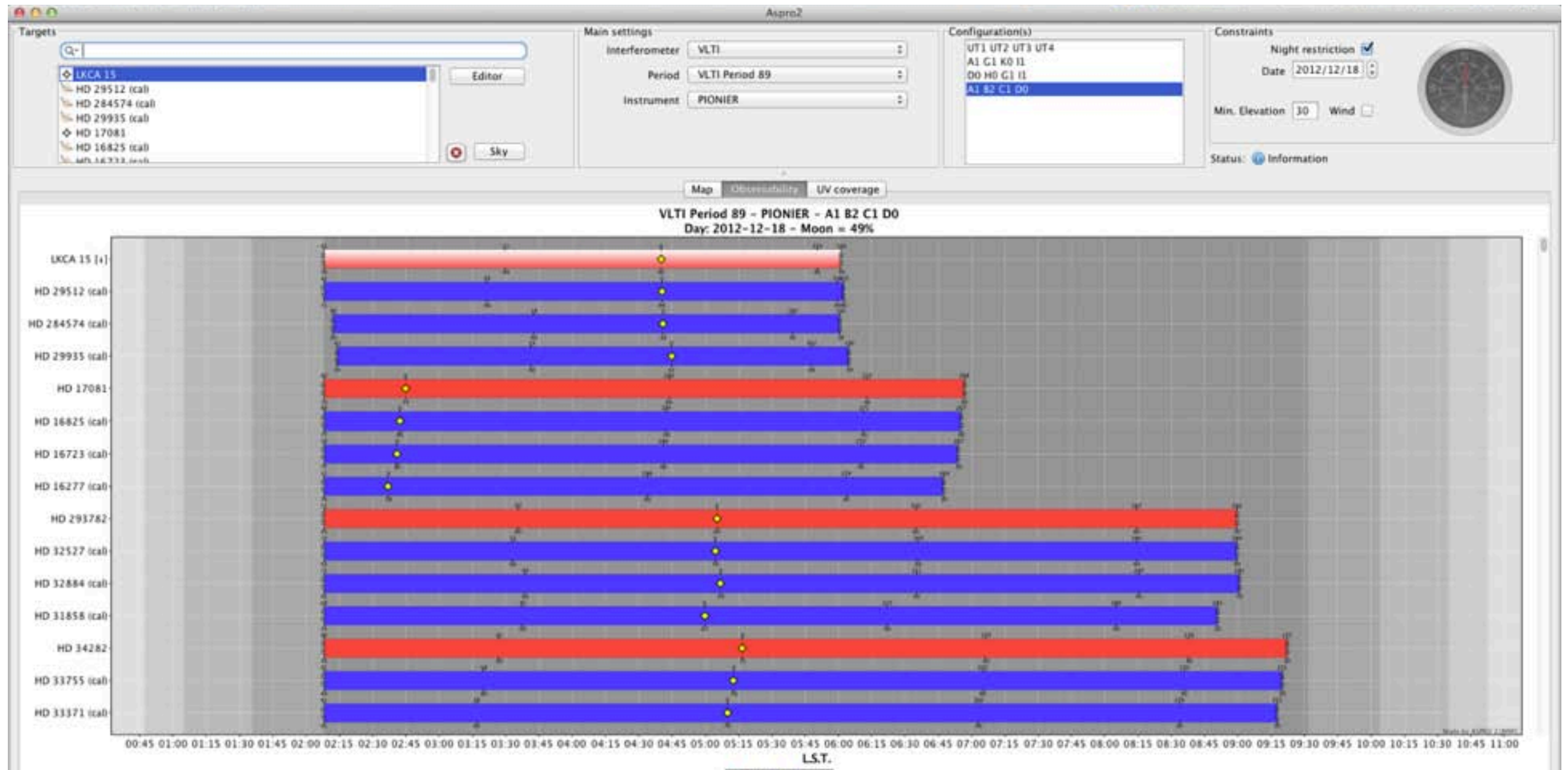
ASPRO2

Available:

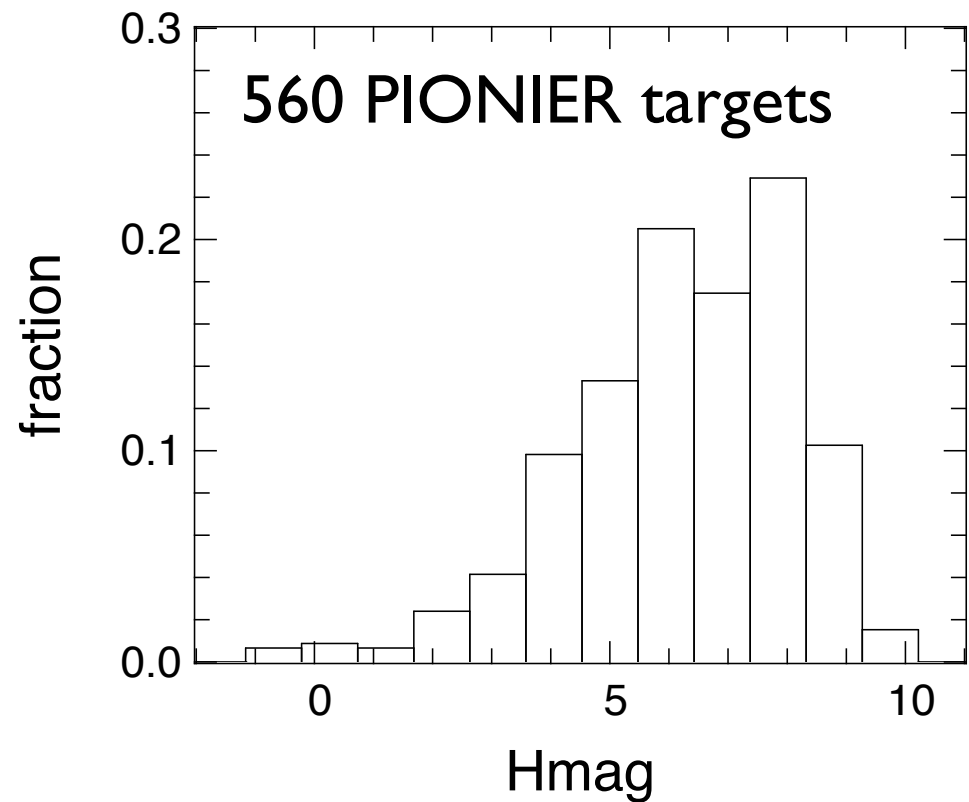
- PIONIER instrumental setup & OB
- export/import long target lists
- refined VLTI set up (wind...)

Coming next :

- use observation meta-data (observed HA ranges, ...)



Calibrators

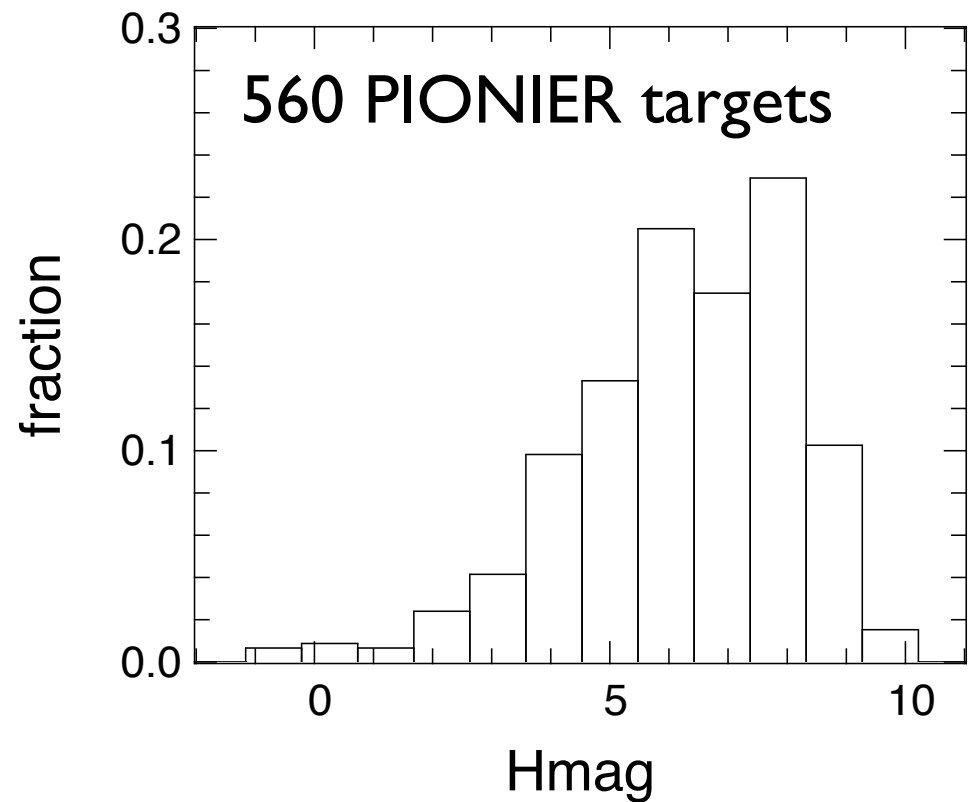


A good calibrator for PIONIER :

- K giant
- < 3 deg from science star
- < 1 mag from science star

Most PIONIER targets are within $H=5-8$

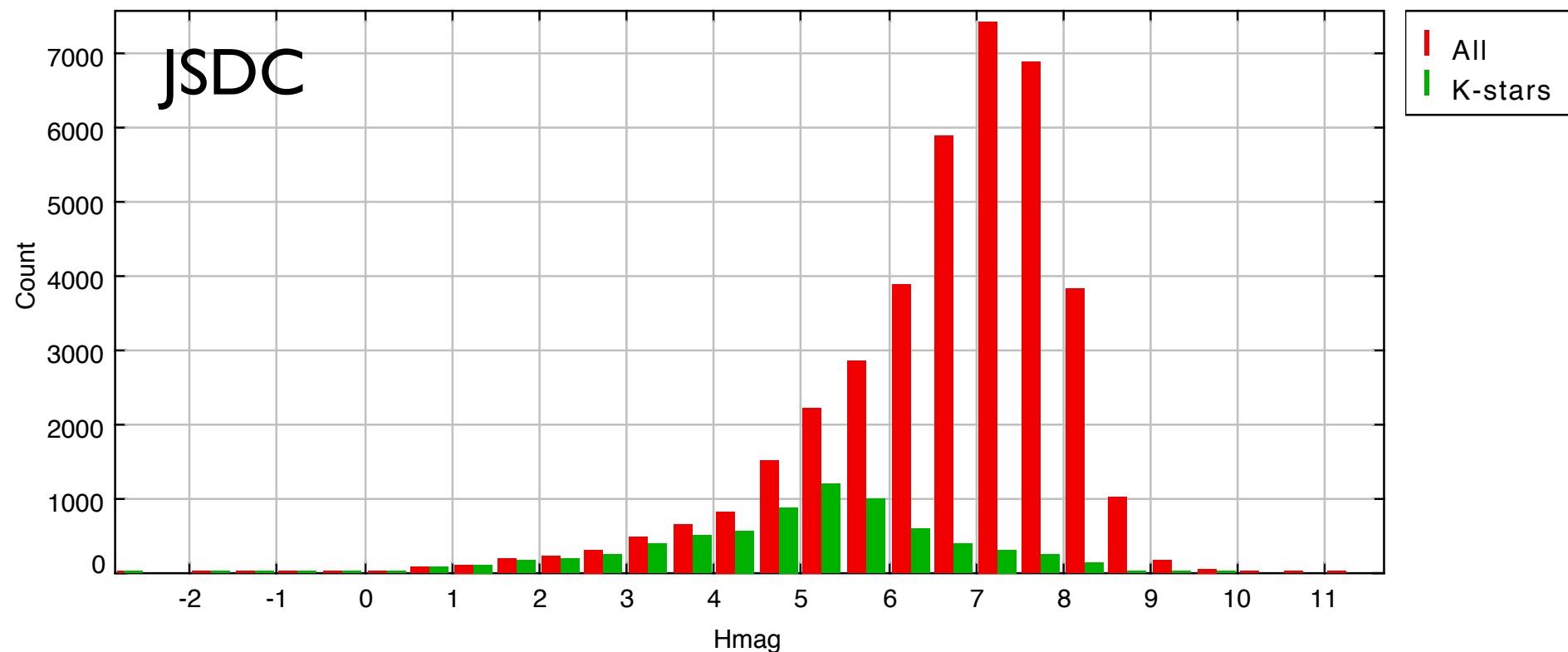
Calibrators



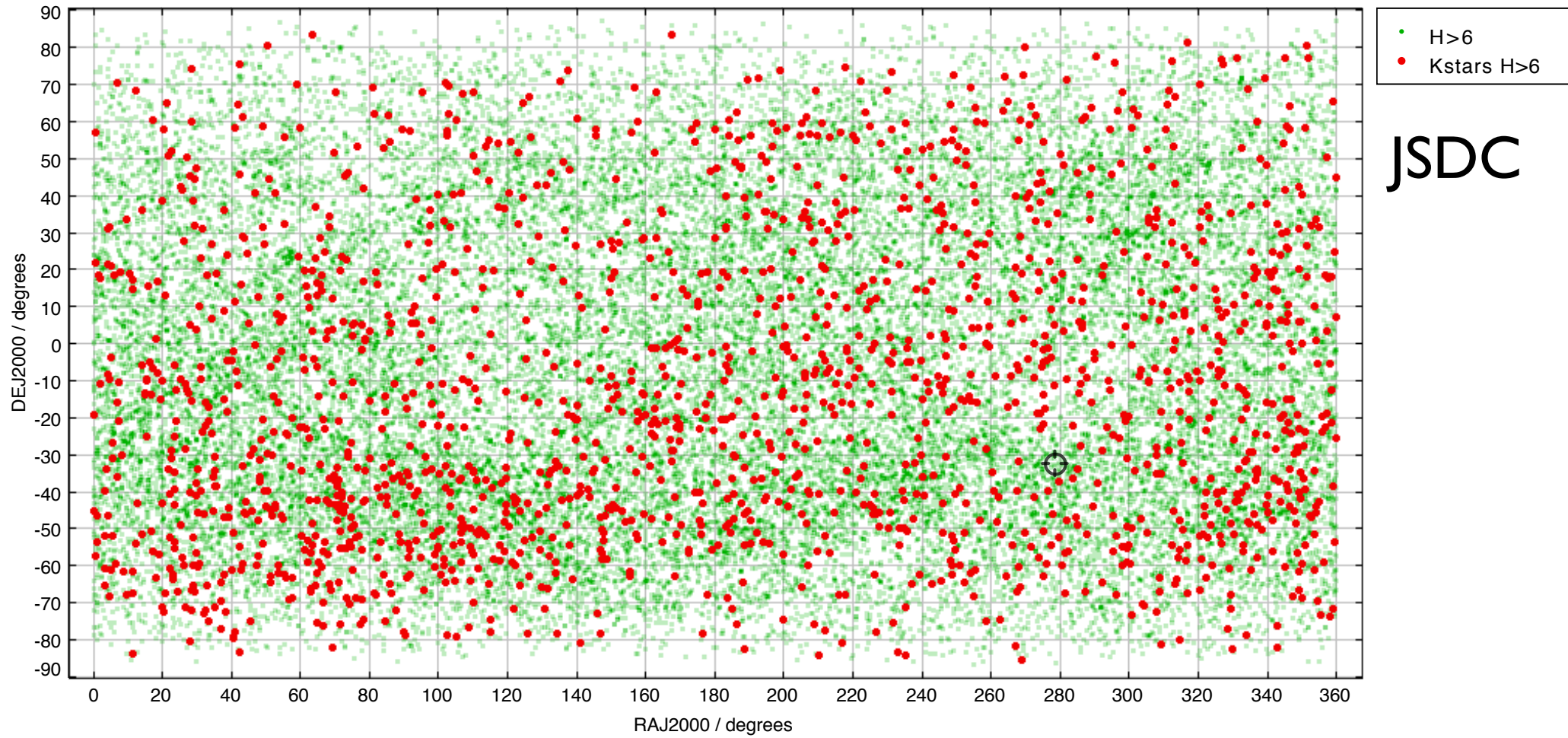
A good calibrator for PIONIER :

- K giant
- < 3 deg from science star
- < 1 mag from science star

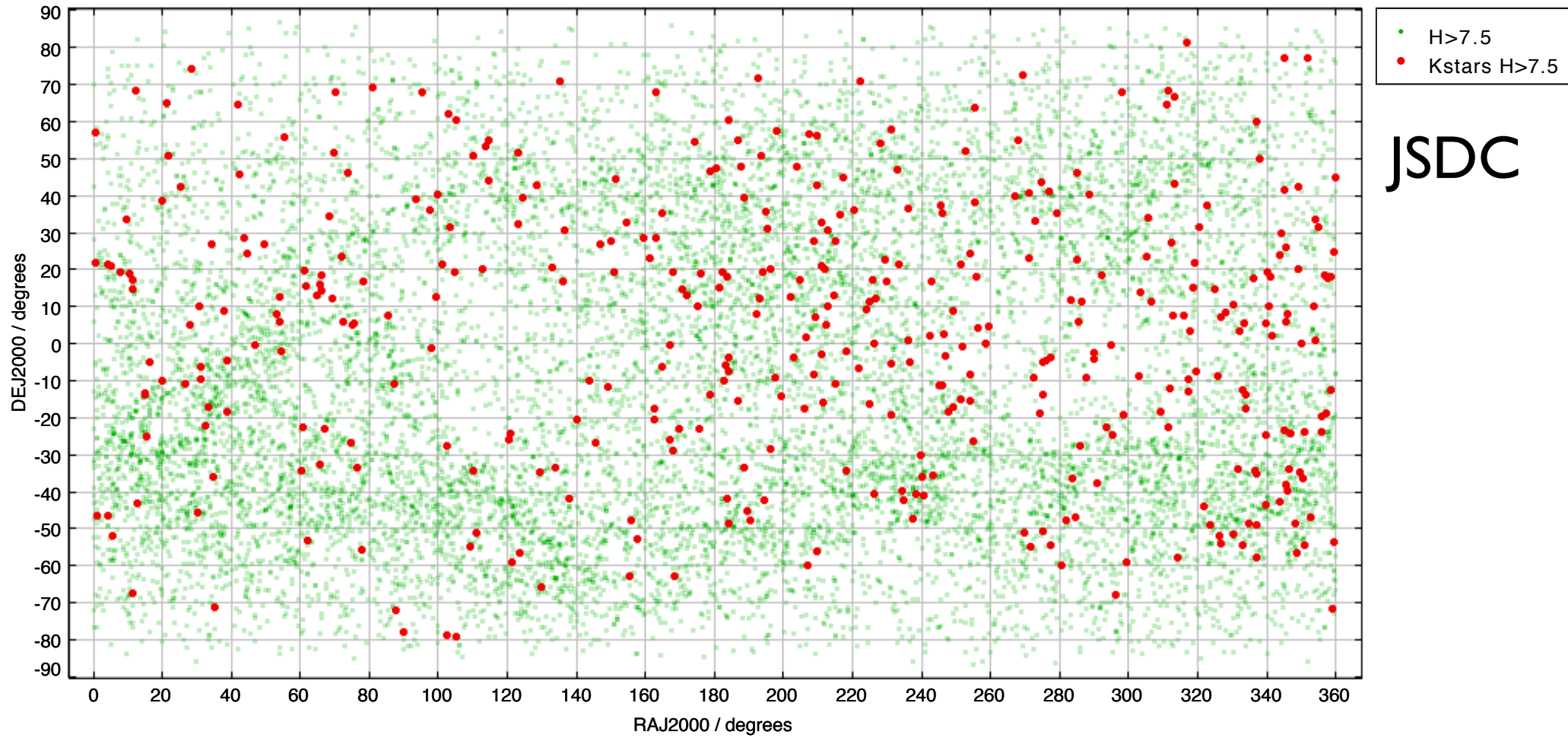
Most PIONIER targets are within $H=5-8$



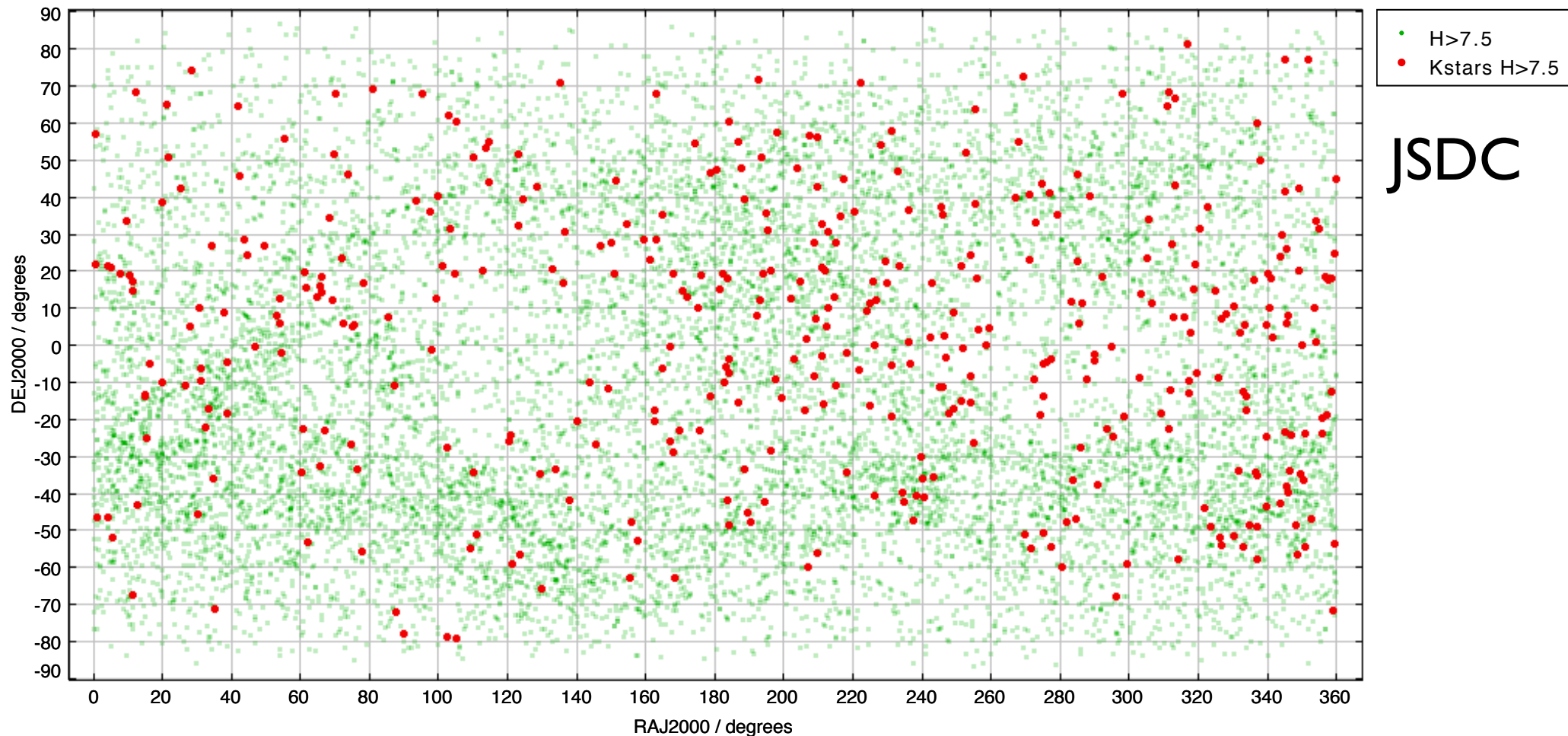
Calibrators



Calibrators

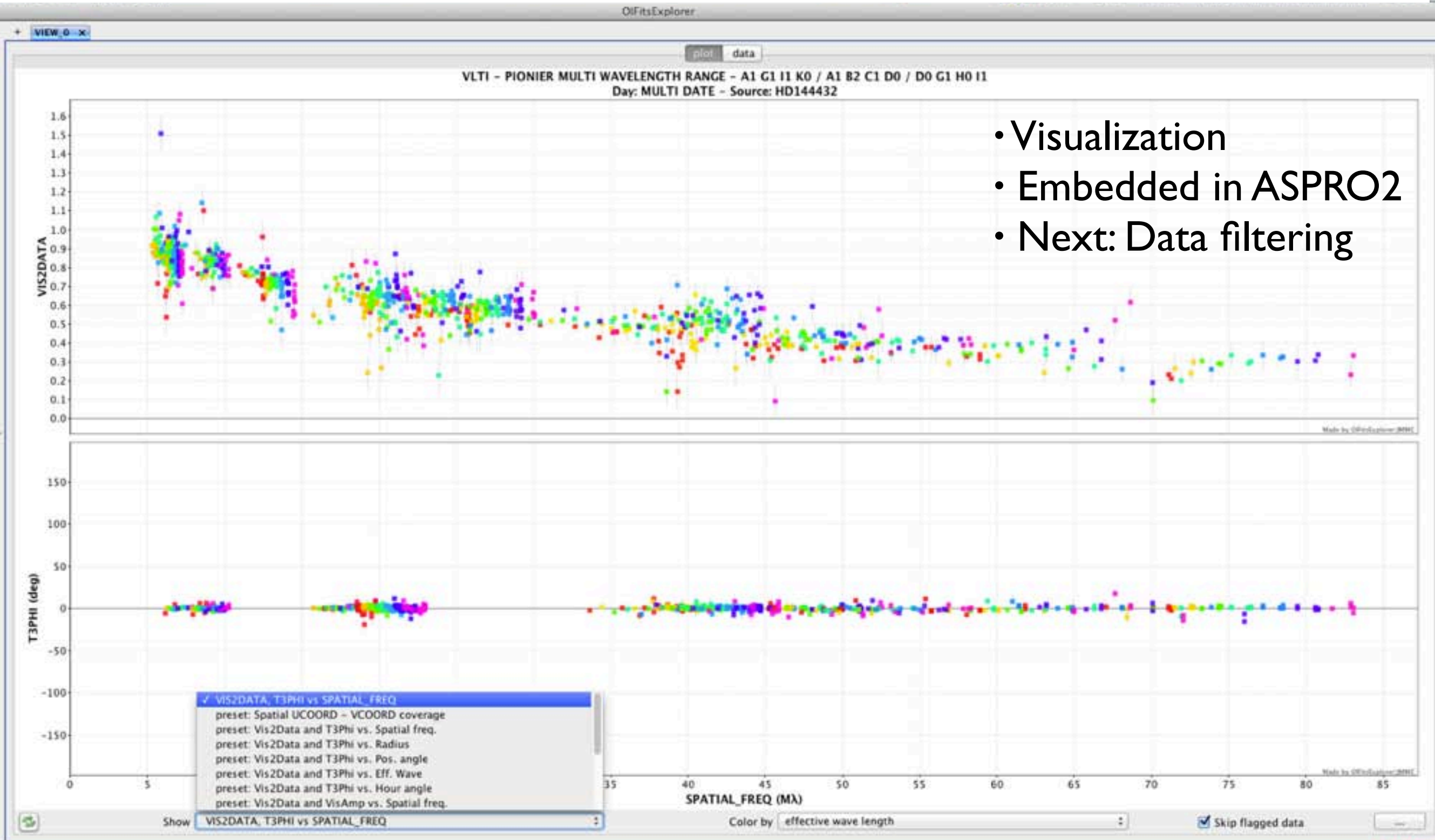


Calibrators



- Development / validation of 'faint mode' in SearchCal
- Better estimation of uncertainties when the parallax is missing
- Reliable and much faster server
- New JSDC (v2) coming soon
- Bad calibrators catalogue fed by PIONIER (34/85)

OiFitsExplorer



- Visualization
- Embedded in ASPRO2
- Next: Data filtering

OiDB

a global Optical Interferometry Database

Why:

- promote, preserve data
- easy to use for non specialists
- boost data analysis, collaborations

What:

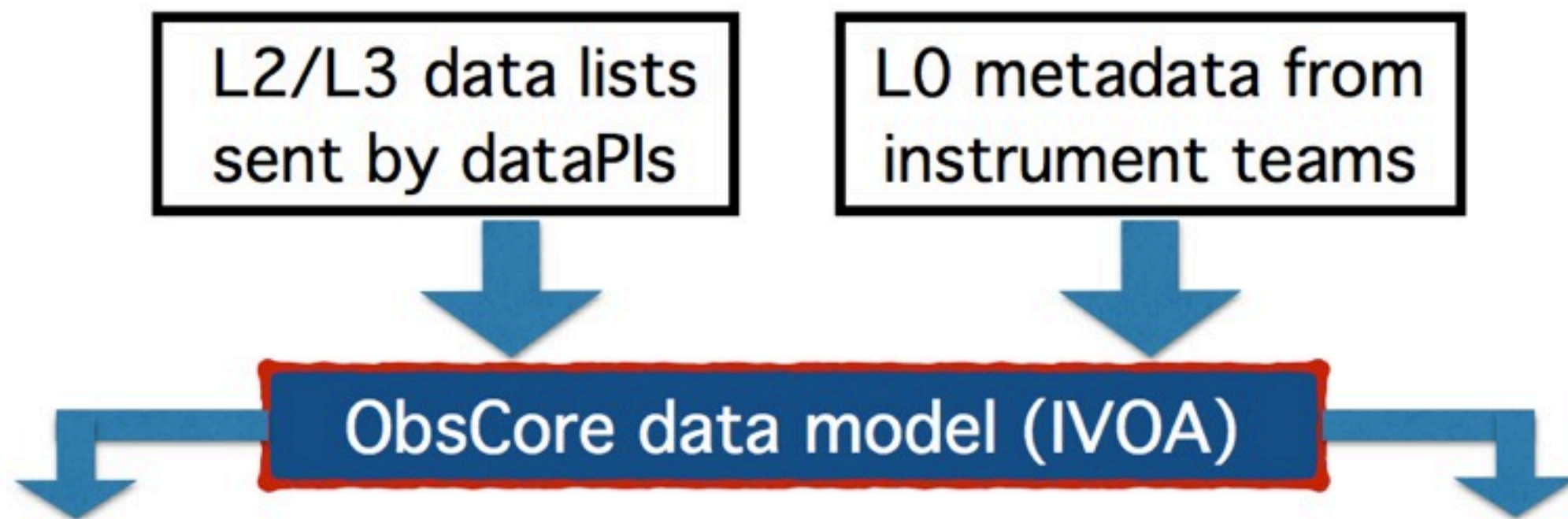
- observation metadata (L0, logs)
- calibrated (L2) data
- published (L3) data

Implementation:

- prototype of web-portal under development
- on-going collaboration with CHARA, NPOI, PIONIER
- on-going discussion to coordinate with ESO Database
- definition of standard metadata for OI databases

OiDB

a global Optical Interferometry Database



OIData portal Home ·

▲ prototype under development, do not use in production

ADQL Query

Select a collection display all columns

Search

Meta-data will try to follow VO4OI proposal and Ivoa:ObsCore document (get metadata description in the associated [doc](#))

Online portal prototype
1516 observations, 1233 OIFITS files

target_name	access_url	s_ra pos.eq.ra [deg]	s_dec pos.eq.dec [deg]	em_min	em_max	instrument_name	nb_channels	nb_vis	nb_vis2	nb_t3
Achernar	new3_AMBER.2009-10-25T05_28_19.260_-33_32.113_OIDATA_AVG.fits	24.429323	-57.23666	2.14788300	2.19586790	AMBER	508	508	508	508
Achernar	new3_AMBER.2009-10-25T04_50_21.412_-5_37.596_OIDATA_AVG.fits	24.429315	-57.23666	2.14788300	2.19586790	AMBER	508	508	508	508
Achernar	new3_AMBER.2009-10-25T04_15_14.789_-20_29.137_OIDATA_AVG.fits	24.429309	-57.23666	2.14788300	2.19586790	AMBER	508	508	508	508
Achernar	new3_AMBER.2009-10-25T02_09_55.133_-15_10.886_OIDATA_AVG.fits	24.429198	-57.23674	2.14788300	2.19586790	AMBER	508	508	508	508

JMMC

- Will support second generation instruments
- Your feedback is extremely valuable

<http://www.jmmc.fr>

jmmc-user-support@ujf-grenoble.fr