JMMC Support to PIONIER

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Products

- aspr²
- SearchCal

→ PIONIER Observations
  → Data reduction
  → OiVAL
    → OiFits explorer
    → LITpr
    → OiDB

AppLauncher/VO

JMMC
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, ...)

![ASPRO2 Interface](image)
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
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JSDC
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- 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

X. Haubois, Discussion on Thursday, session 3
OiDB
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L2/L3 data lists sent by dataPIs

L0 metadata from instrument teams

ObsCore data model (IVOA)

Online portal prototype
1516 observations, 1233 OIFITS files
• Will support second generation instruments
• Your feedback is extremely valuable

http://www.jmmc.fr

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