



Data Reduction personal projects

VLT Data sets

Public data set at:

<http://archive.eso.org>

– MIDI:

- RR Sco: Mira star
- Circinus: AGN

– AMBER:

- Alpha Ara: Be star
- Gam2 Velorum: Wolf-Rayet + O binary
- *Bet Cen: Beta Cepheid*
- *HD98922: pre-main sequence star*

– Personal data

Objectives of the projects

- Take a raw set of data
 - Reduce the data: science target + calibrator
 - Get some calibrated visibilities
 - Perform some kind of model fitting
 - Some interpretation
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- **GOAL:** you experience the whole process on actual data,...

Final product

- Presentation of your work tomorrow morning (Fri 16: 9-11)
- 5 sets of data + personal projects
- Groups of 3 that share their experience at the end of the day to produce a 5-slide presentation.



GOOD LUCK !

- HD 98922 (PMS):
 - Orlagh Creevey, Kosmas Gazeas, Alexanedr Kreplin
 - Irina Chernyshova, Tomasz Laczowski
 - Stéphane Sacutoi, Brice-Olivier Demory
 - Jenny Patience, Ágnes Kóspál
- Beta Centauri (Bet Cep):
 - Pieter Deroo, Clio Gielen, Tjil Verhoelst
 - Gwendolyn Meeus, Deirdre Coffey, Rachel Smith
- Circinus (AGN):
 - Kazuaki Ota, Everton Ludke
 - Lyuba Slavcheva-Mihova, Lilit Hovhannisyan, Aurea Garcia Rissmann
- Z CMa (personal data):
 - Gianluca Li Causi, Simone Antonucci, Stefan Vehoff
- Alpha Arae (Be star):
 - Daniela Korcakova, Belinda Kalomeni
 - Sylvestre Lacour, Xavier Hautbois
- FU Ori (personal data):
 - Emilie Herwats, Simon Albrecht, Xavier Bonfils, Andres Carmona
- Delta Velorum (binary):
 - Klara Shabun, Luca Casagrande, Janne Holopainen
- Gamma² Velorum (WR+O binary):
 - Itziar de Gregorio Monsalvo, Rebeca Soria, Vanessa Agra-Amboage
 - Morales CalderónMaría, Amelia Bayo
- TW Hya (personal data):
 - Hendrik Linz, Thorsten Ratzka
- WR 79a (personal data):
 - Cédric Foellmi, Tigran Khanzadyan