VO-KOREL – the browser-based UWS-patterned service
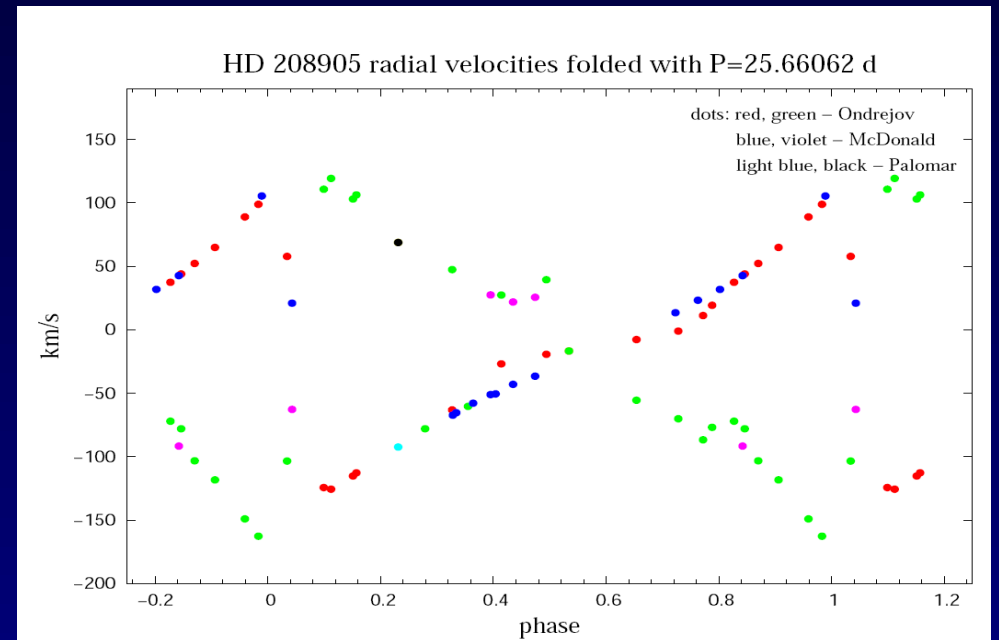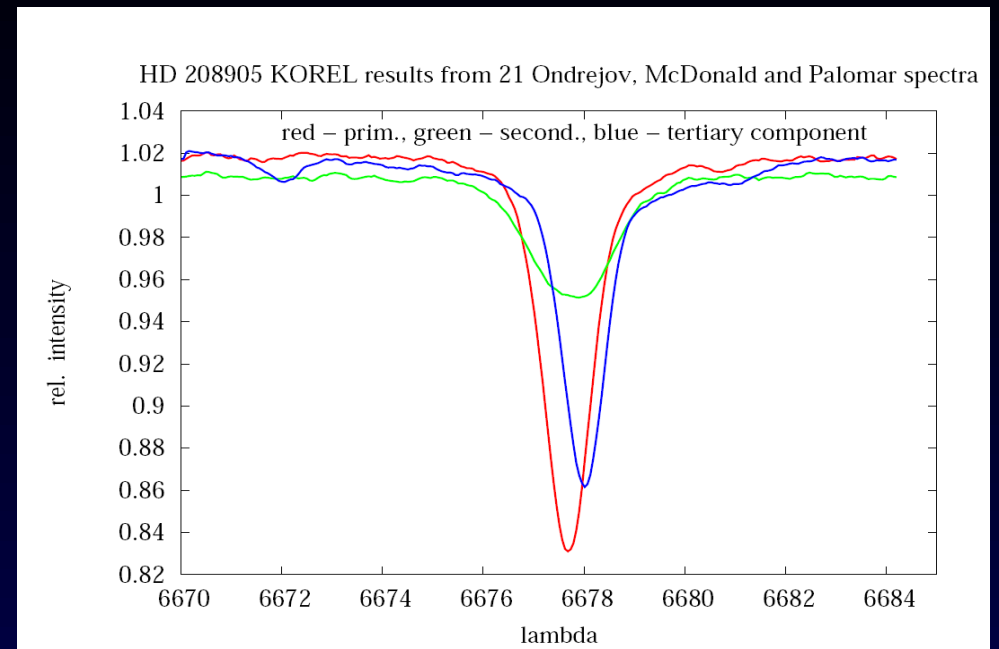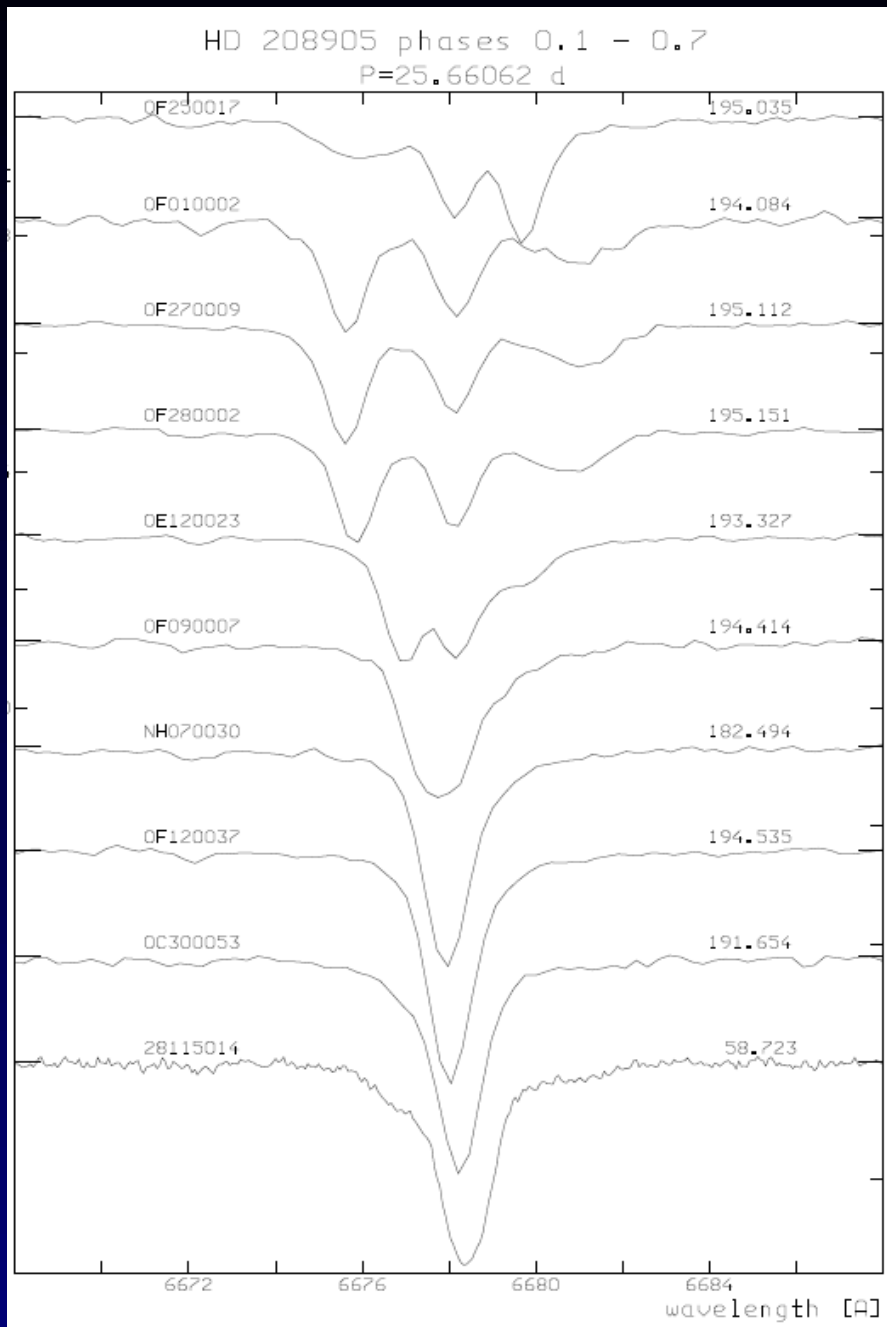
Petr Škoda & Jan Fuchs

Astronomical Institute Academy of Sciences
Ondřejov
Czech Republic

Spectra Disentangling in Fourier Space - KOREL

HD 208905 phases 0.1 - 0.7
P=25.66062 d

HD 208905 KOREL results from 21 Ondrejov, McDonald and Palomar spectra

red – prim., green – second., blue – tertiary component

HD 208905 radial velocities folded with P=25.66062 d

dots: red, green – Ondrejov
blue, violet – McDonald
light blue, black – Palomar

HD208905: Koubsky et al. 2006

KOREL program

FORTRAN77

2 input files (data, params – flags cryptic)

Output – variable (depends on input keys IPRINT=1...)

Created graphics +results texts - linked

   (text->image by GnuPlot, PS by program)

Parameters needs to play with (many jobs aborted soon)

99% parameters re-usable → restart job

UWS changes

Description of project, comment

JobInfo – complex type

ShortJobDescription -(Phase + Jobid now)

long-term repository

User selects what to kill (delete x pack/send)

not timeout on exec duration/quote (warning)

Paging + selection of (active,...) jobs

/jobs/?phase=executing

Similar for jobs of given user

Isolation of users – e-shop basket

UWS changes

Quota concept – unclear

Can send results by mail – how in UWS ?

Concept of different queue priorities (5 jobs)

Browser – CLIENT – focused

XSLT in browser (but IPhones ?)

DEMO...