Sebességmérés - fxcor

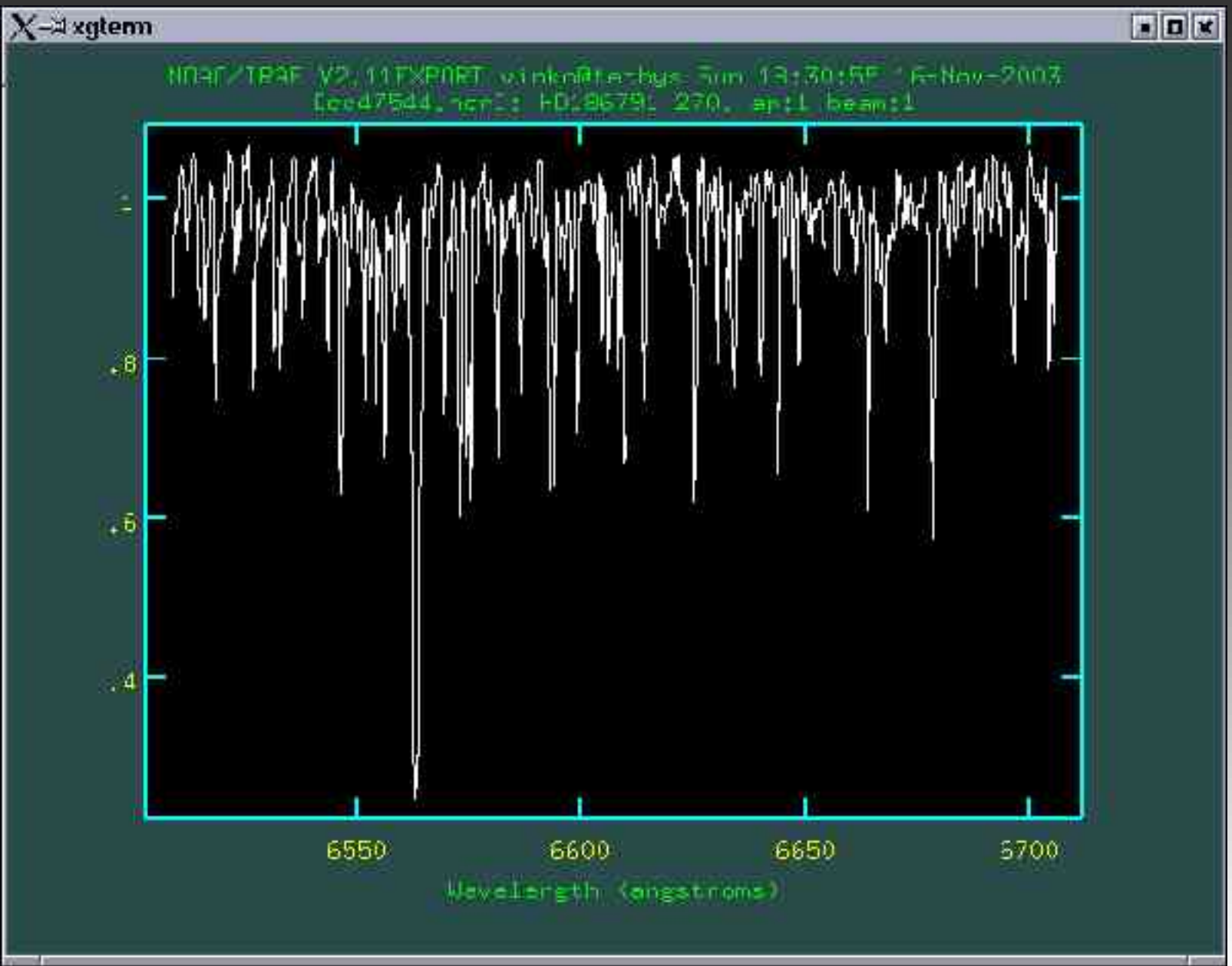
Keresztkorrelációs-függvény

$$c_{fg}(y) = \int_{-\infty}^{\infty} f(x) \cdot g(x-y)\, dx$$

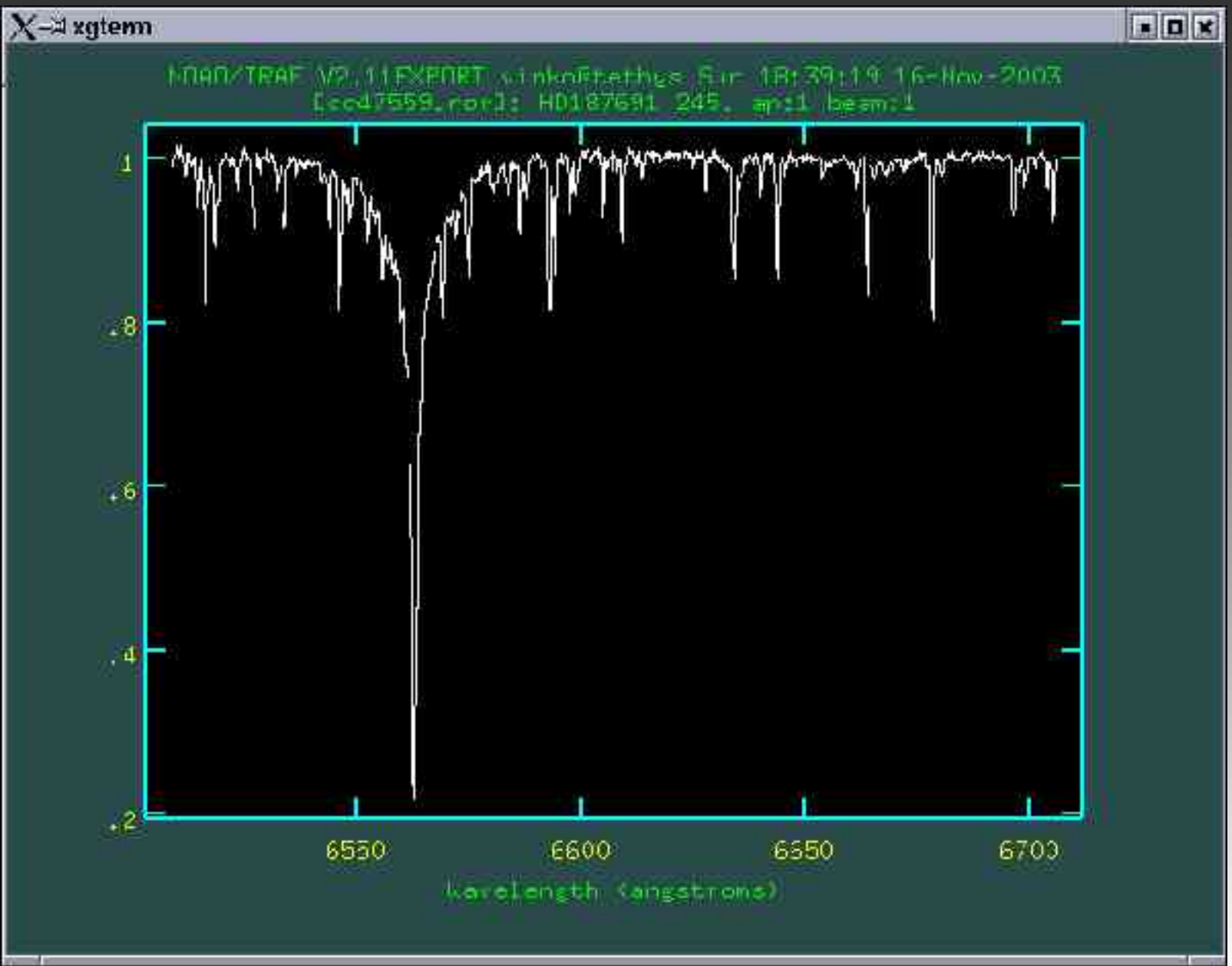
Fourier-transzformálttal:

$$C_{fg}(\omega) = F(\omega) \cdot G^{\wedge}(\omega)$$

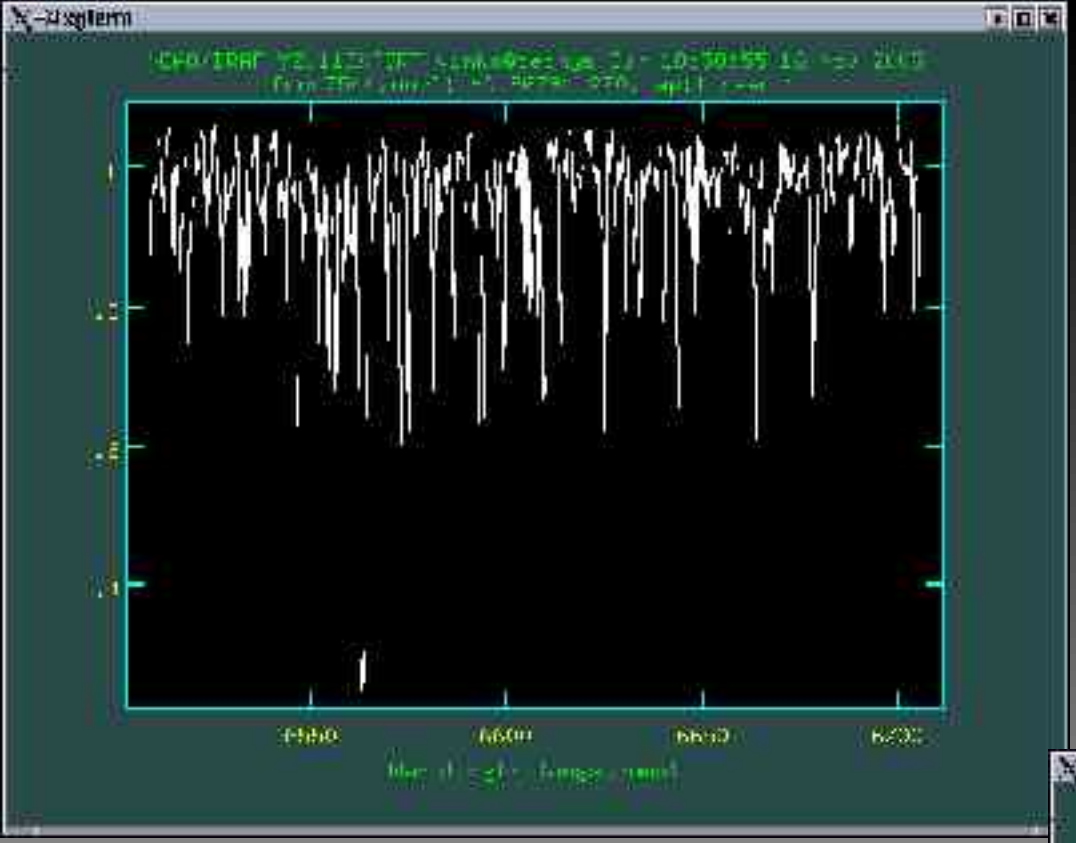
Spektrum - ismeretlen sebesség?

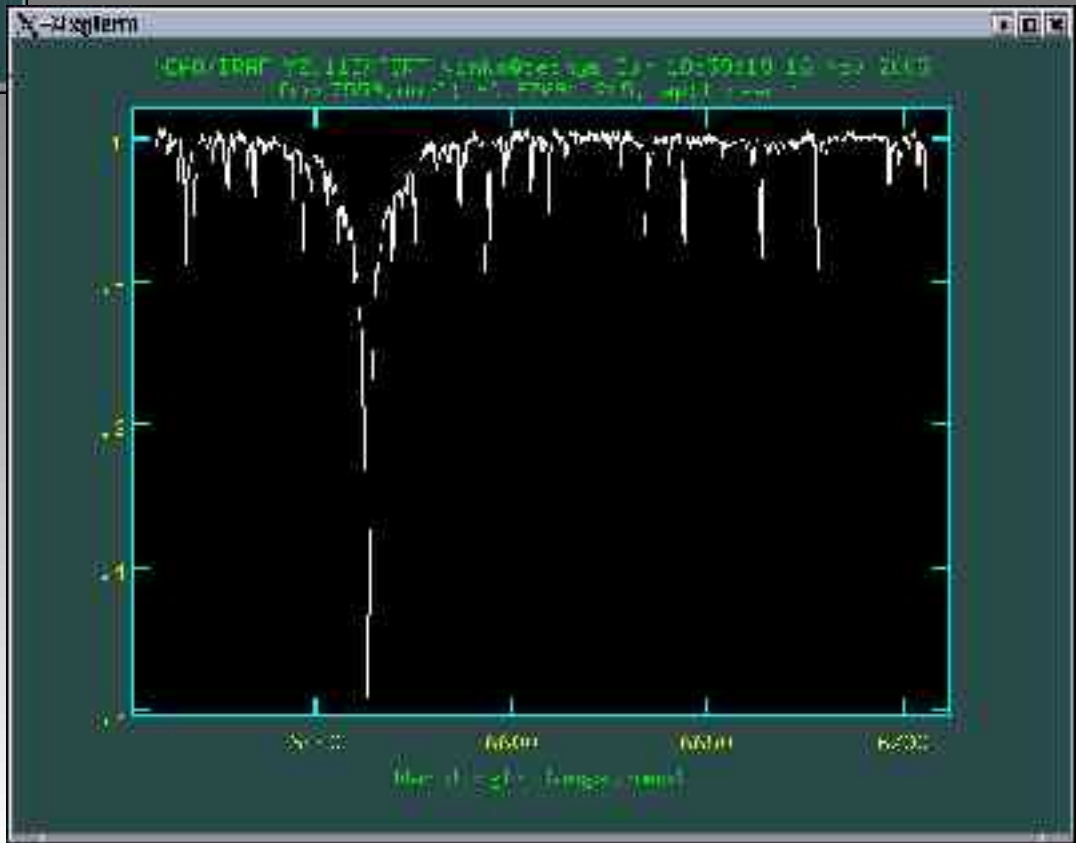


Spektrum - sebesség standard



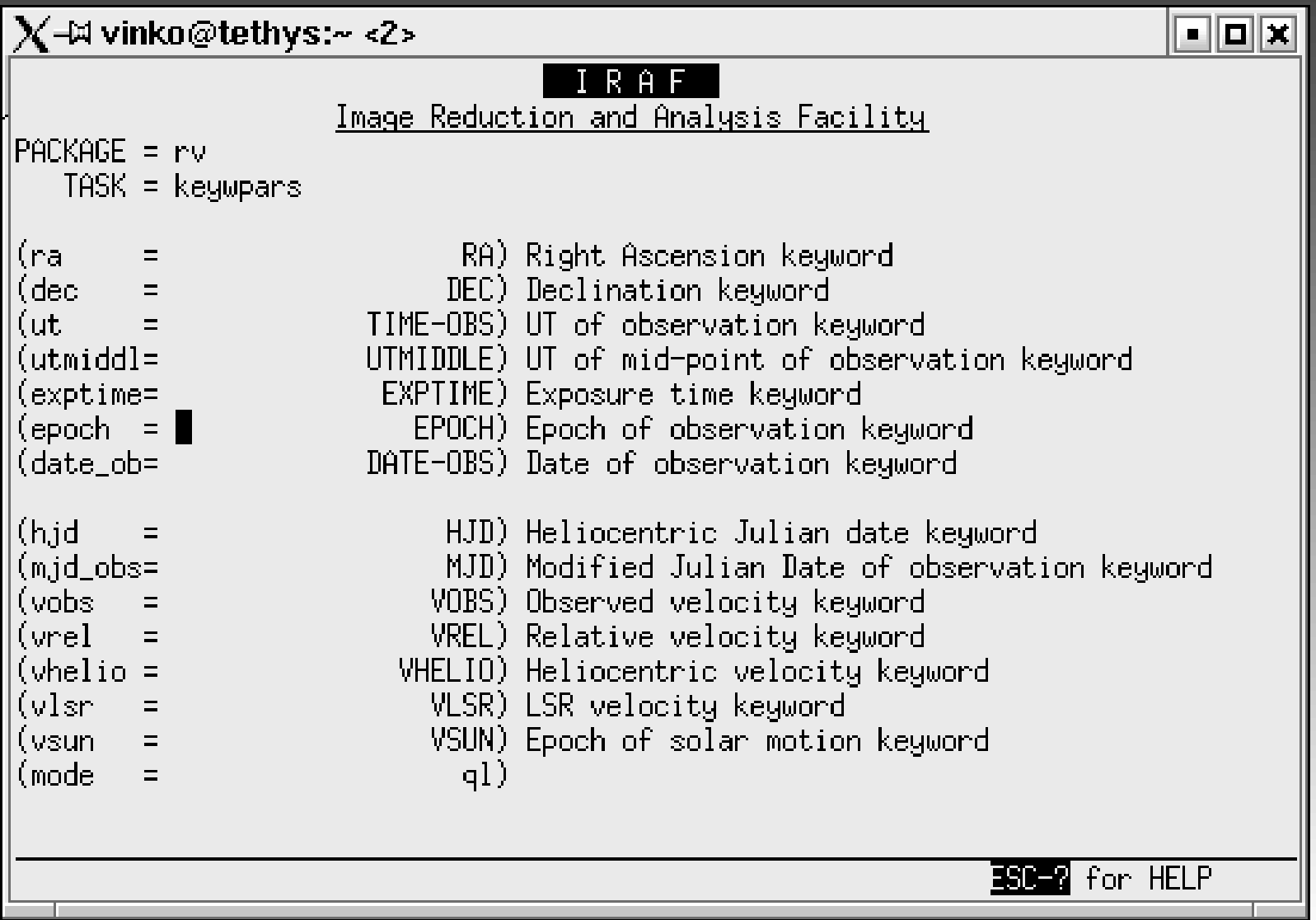
A két azonos régiójú spektrum





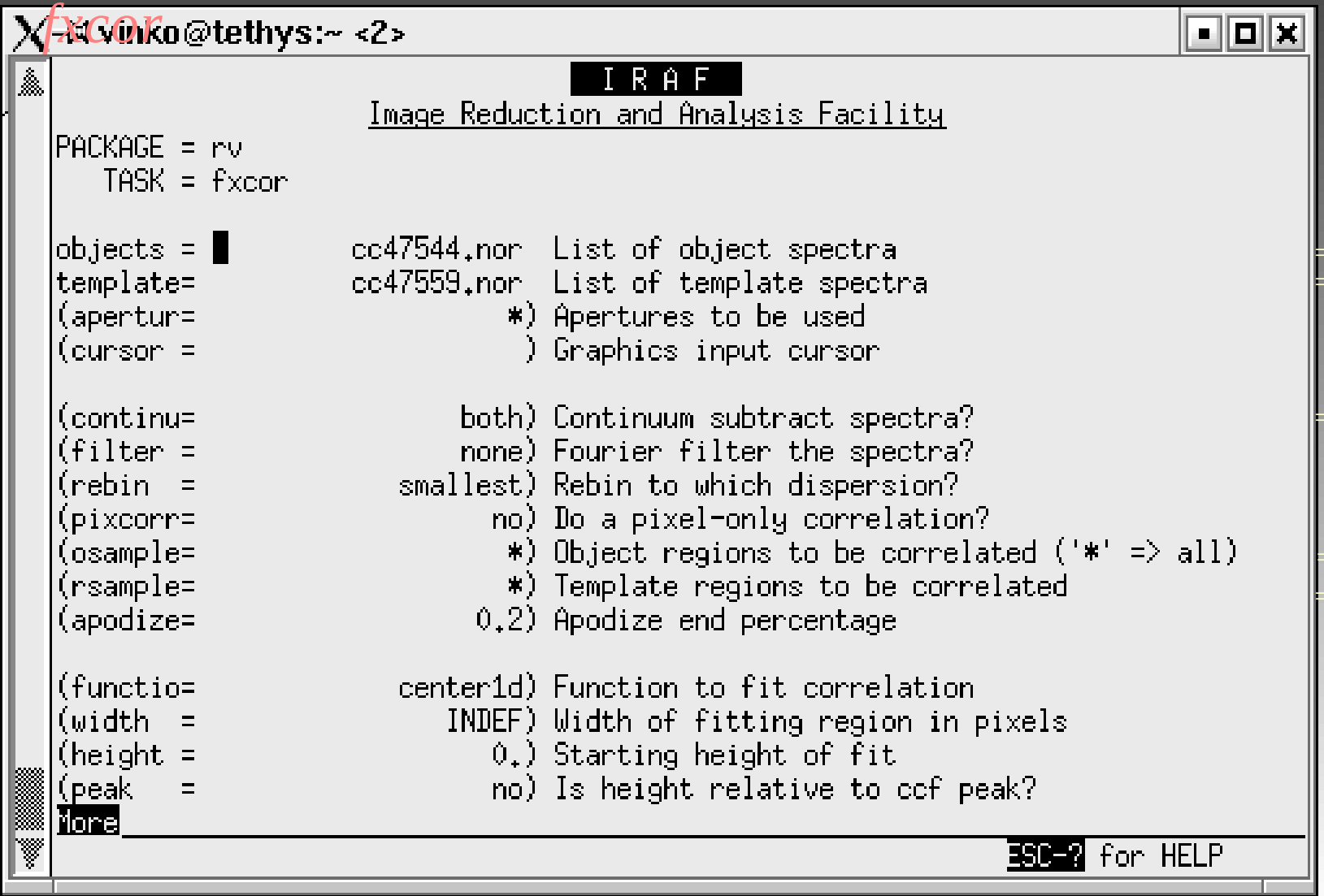
Kulcsszavak beállítása

Noao => rv => *keywpars*



Sebesség kimérése => fxcor

Noao => rv => *fxcor*



=> a vizsgált spektrum

=> a “ standard “ spektrum

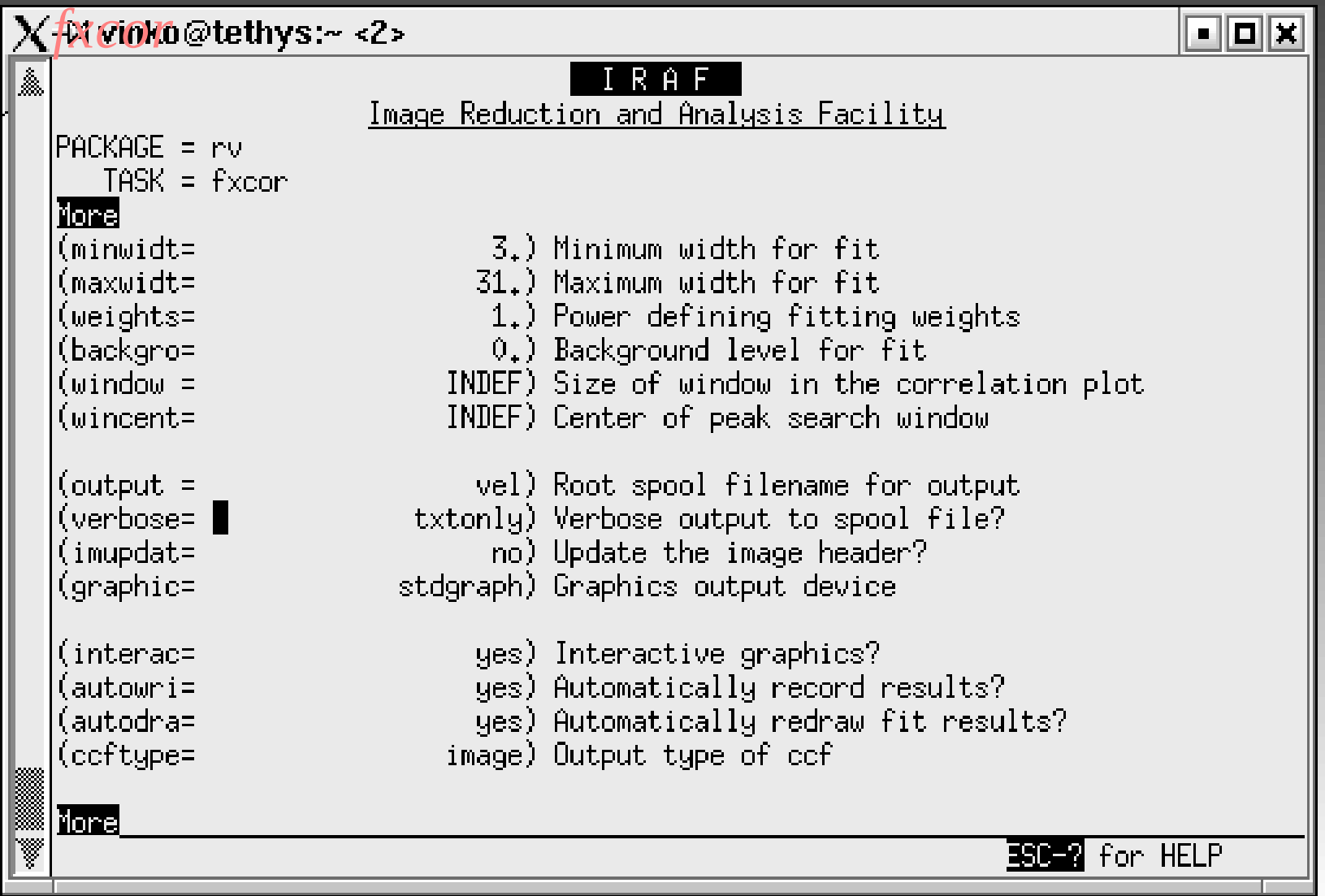
=> kontinuum normált-e a spektrum

=> terület a vizsgált spektrumon

=> terület a standard spektrumon

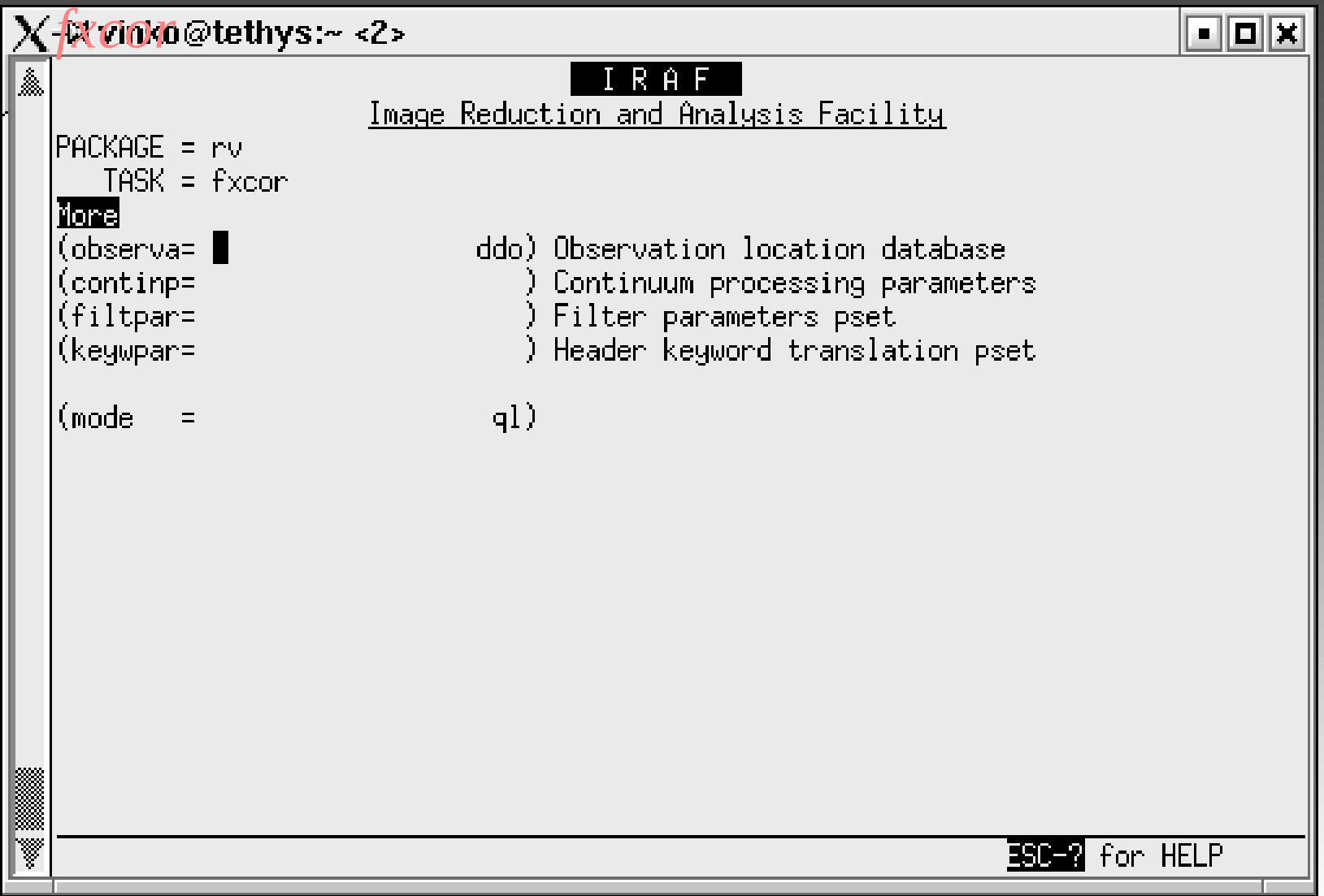
Sebesség kimérése => fxcor

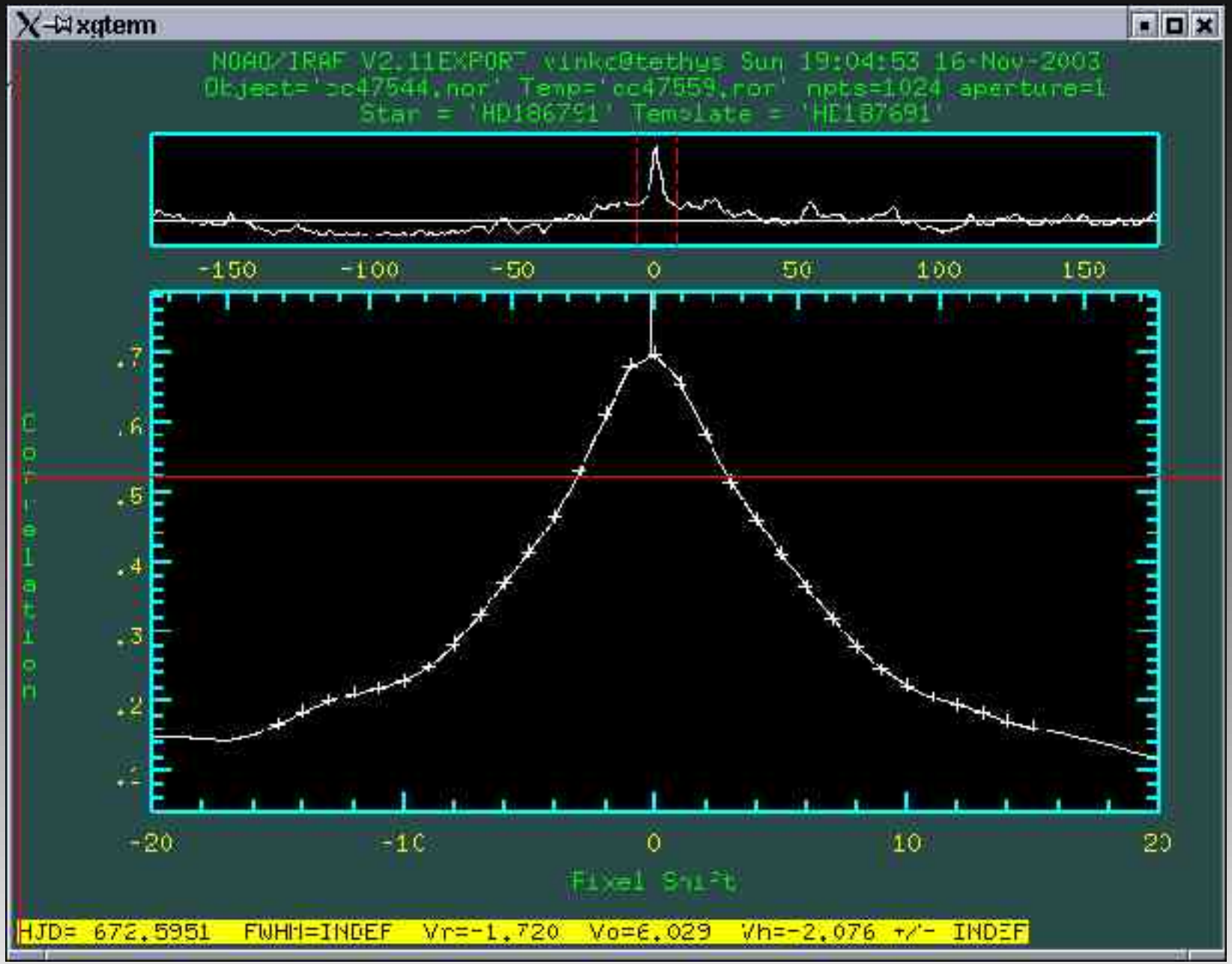
Noao => rv =>



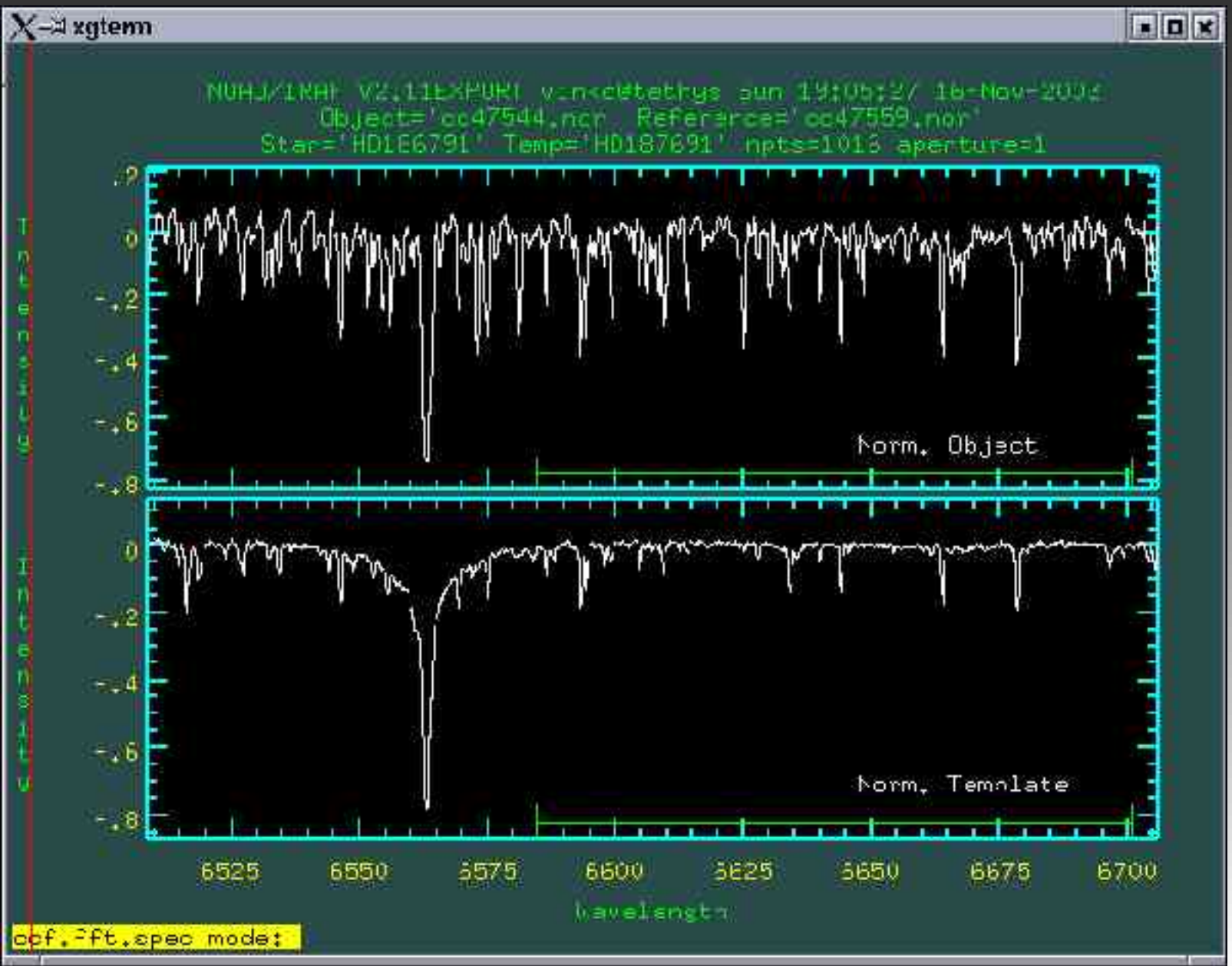
Sebesség kimérése => fxcor

Noao => rv =>




xqtem
NOAO/IRAF V2.11EXPOR vinkc@tethys Sun 19:04:53 16-Nov-2003
Object='oc47544.nor' Temp='oc47559.ror' npts=1024 aperture=1
Star = 'HD186791' Template = 'HD187691'
-150
-100
-50
0
50
100
150
.7
.6
.5
.4
.3
.2
-20
-10
0
10
20
Pixel Shift
HJD= 672.5951 FWHM=INDEF Vr=-1.720 Vo=6.029 Vh=-2.076 +/- INDEF

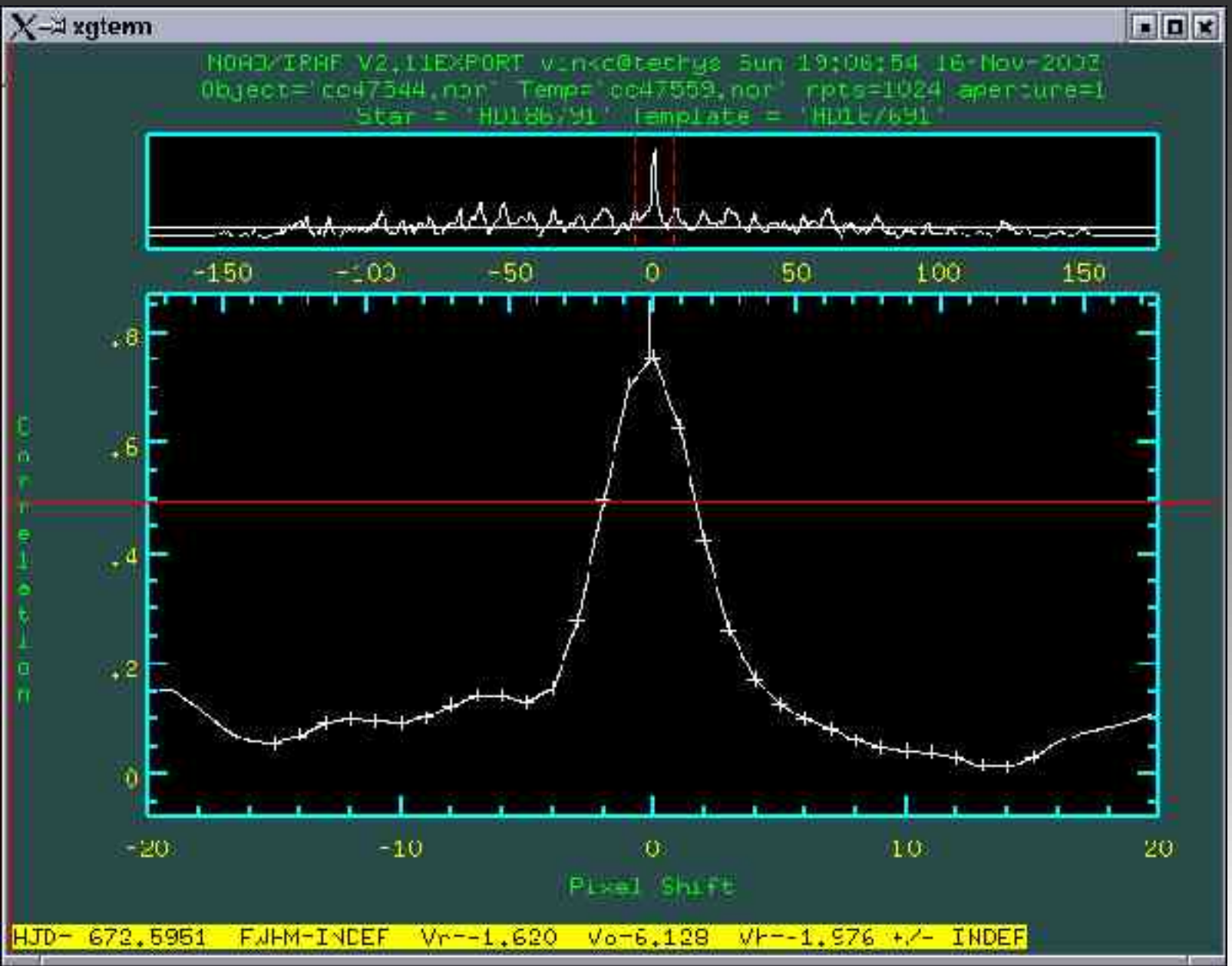
" Spektrummód "



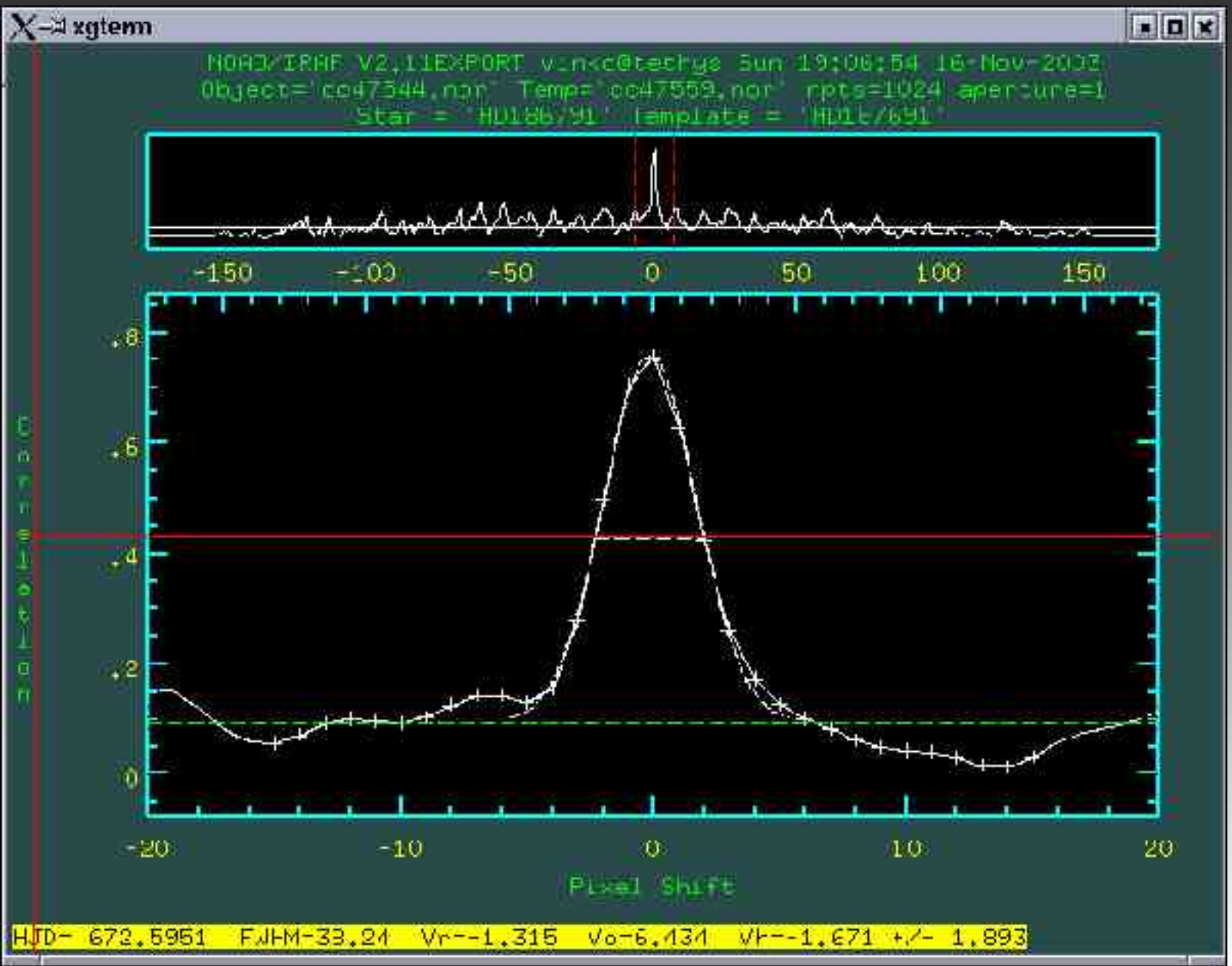
2 x b : szakasz kijelölése

x : visszatérés az elöz? ablakhoz

Új illesztés



Függvény változtatása



Függvény változtatása