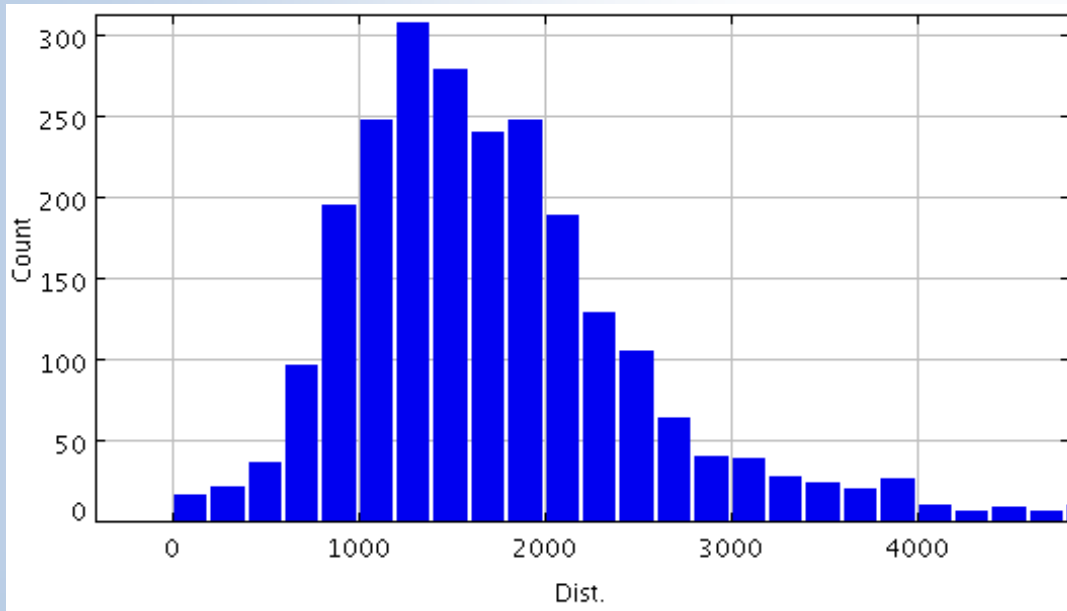
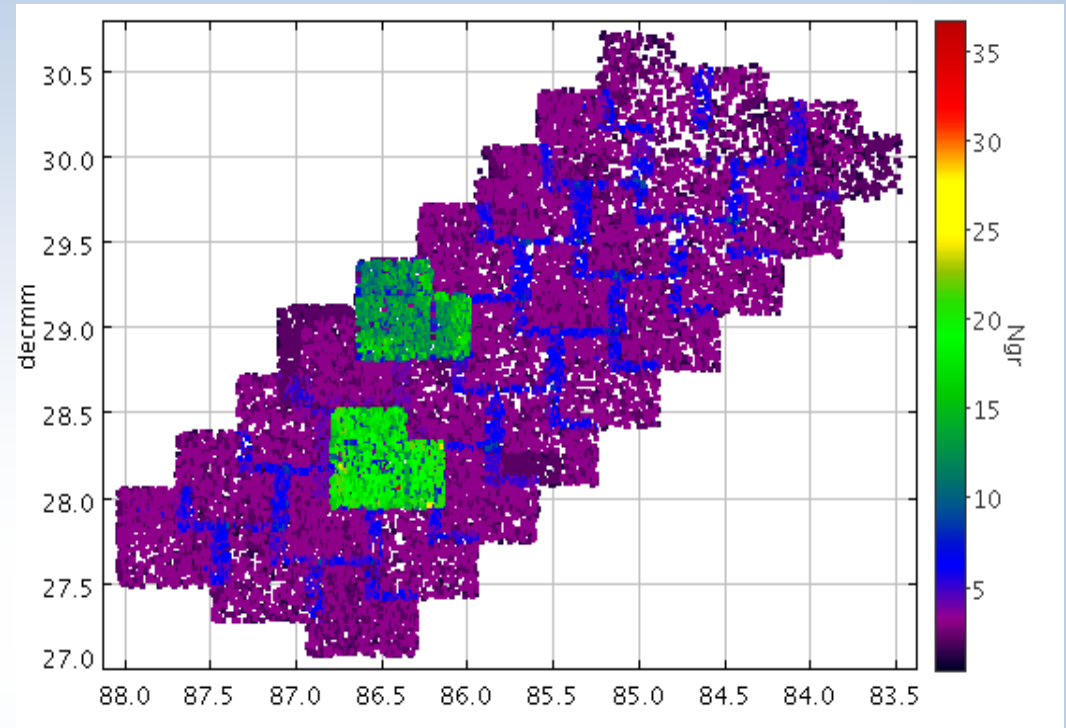
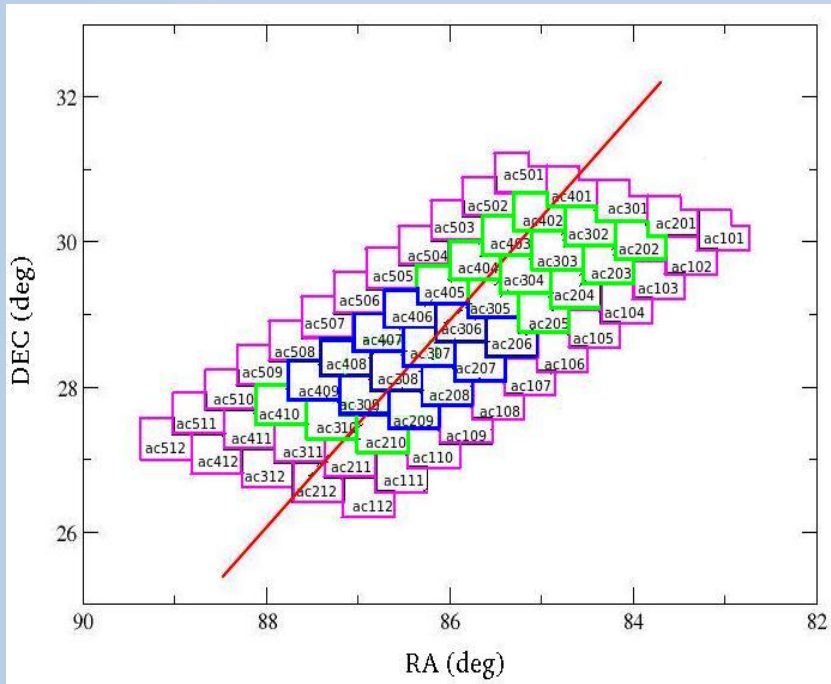


# Tracing the Perseus spiral arm

REG, Santillana  
September 19-21, 2011

**Maria Monguió**  
**Preben Grosbol**  
**Cesca Figueras**

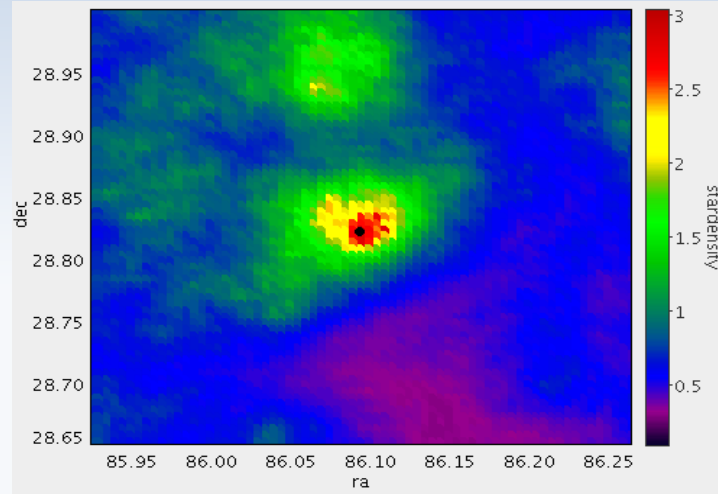
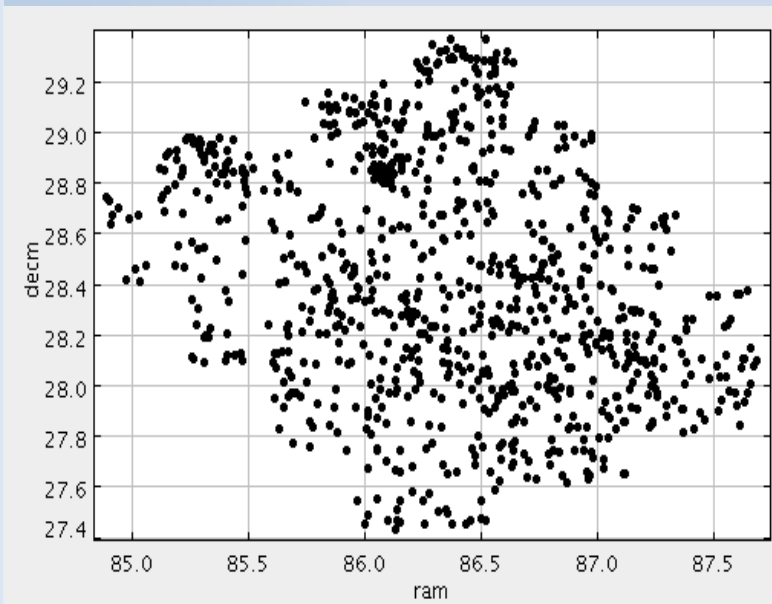


- 2011B data
- volume correction
- Magnitude limit

# Serendipitous science

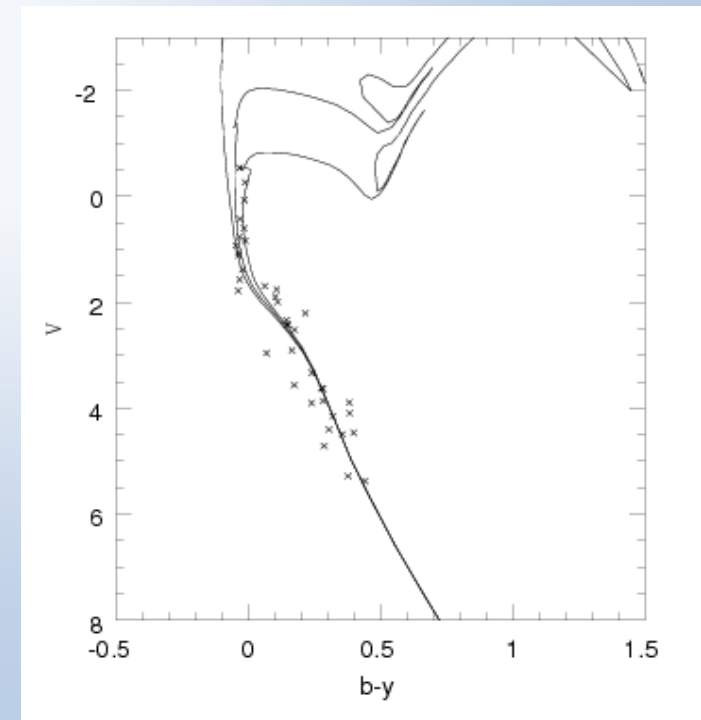
## Teutsch 10

With G.Carraro (ESO)

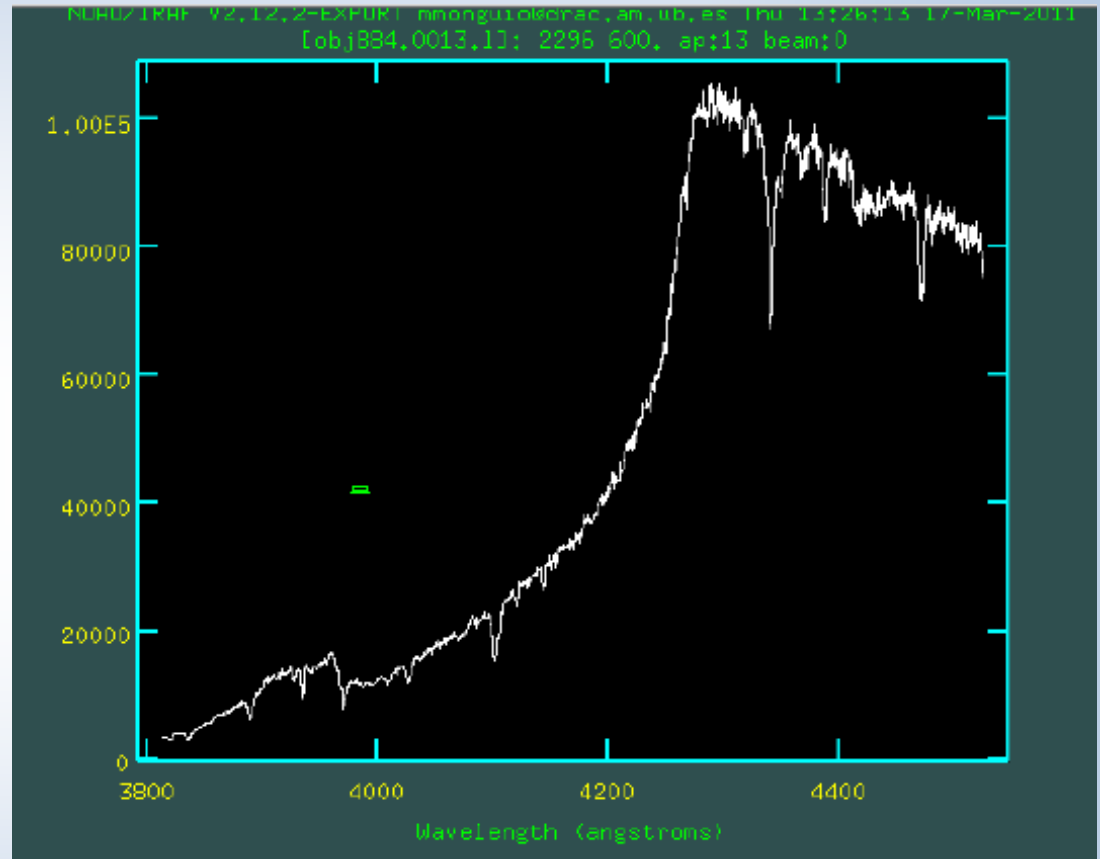
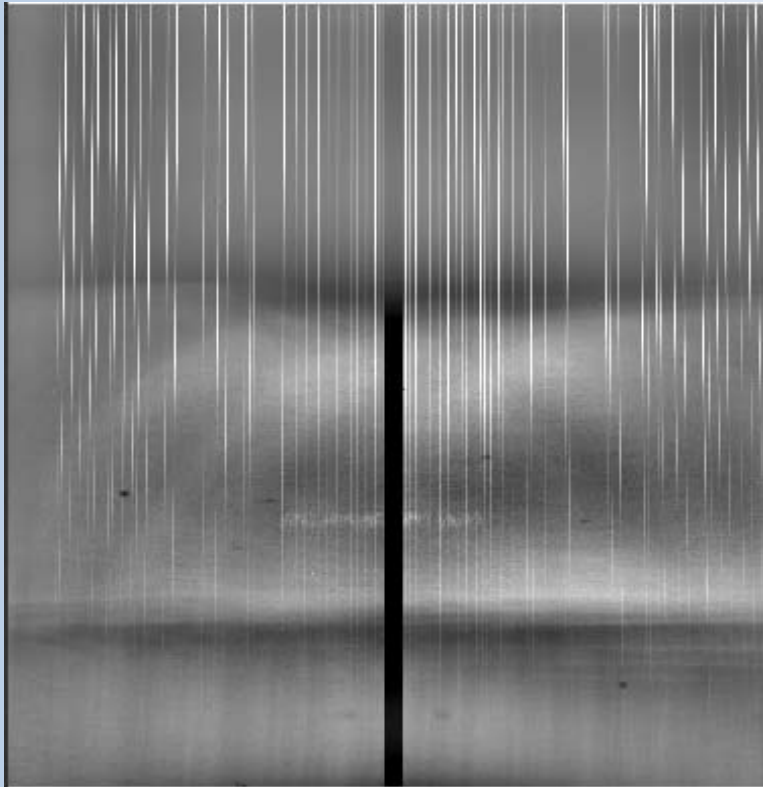


- size and shape
- distance distribution
- proper motion (UCAC3)
- Age: ~400Myr!!!

	RA	DEC	Dist.	Age
Koposov et al 2008 (1)	05:44:22. 2	+28:49:1 3	2000±20 0	<9.1 5
Kronberger et al 2006 (2)	05 44 23.0	+28 48 54		
Dias et al. 2002 (3)	05 44 22	+28 49 13	2600	7.50



# Spectroscopic survey



NGC 2264 used for calibration purposes

# NGC2264 - P88 Gaia ESO Survey



Basic Parameters	
Right Ascension (2000)	06 40 58
Declination (2000)	+09 53 42
Galactic longitude	202.936
Galactic latitude	2.196
Distance [pc]	667
Reddening [mag]	0.051
Distance modulus [mag]	9.28
Log Age	6.954
Metallicity	-0.15

-uvby $\beta$  available for 130 stars  
-RV available for 12 stars