



# RoPACS Annual Network Meeting

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# Me, Myself & Astronomy

## Where do I come from?

- Chile
- Great variety of climates
- Good food and wines
- Excellent skies for astronomy!



# Me, Myself & Astronomy

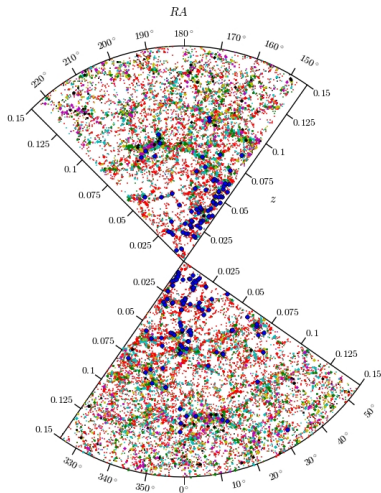
## Where do I come from?

- Universidad de Chile
- Departamento de Astronomía
- Cerro Calán

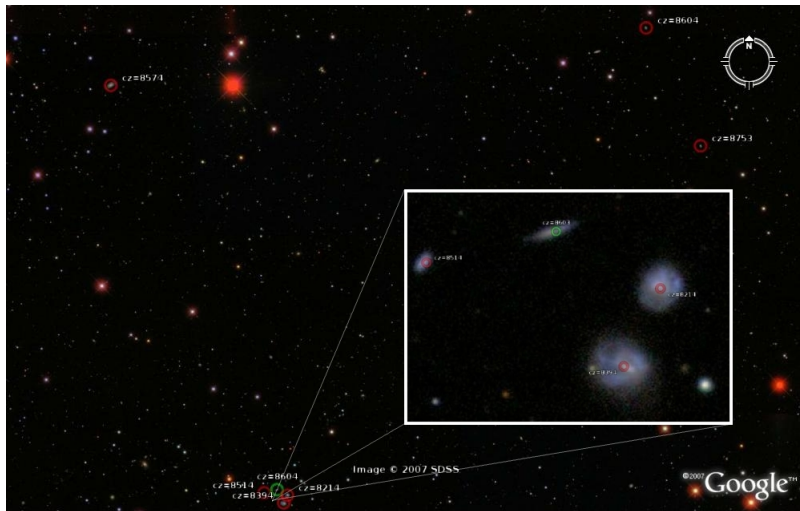


## Loose Groups of Galaxies

- Luis Campusano
- Data: 2dFGRS
- Voronoi Tessellation
- 166 Isolated Groups
- $6 \leq N_{gal} \leq 14$
- $z < 0.14$
- $\sigma_V = 191$  km/s

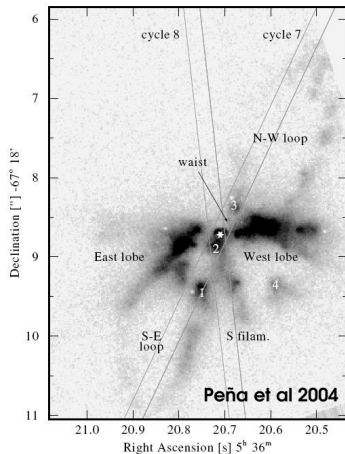


# Previous Work

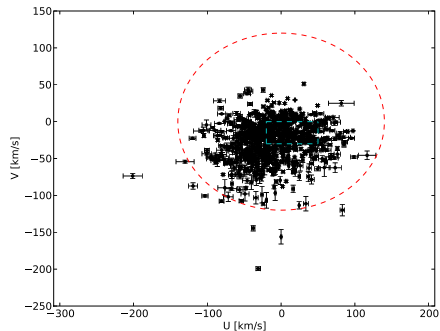


# Previous Work

- María Teresa Ruiz
- Central star of PNe N66 in LMC
- $0.8-1.2 M_{\odot}$
- 1993 outburst, 2007 new event
- Spectra taken with NTT and VLT
- Differential photometry in B and V bands

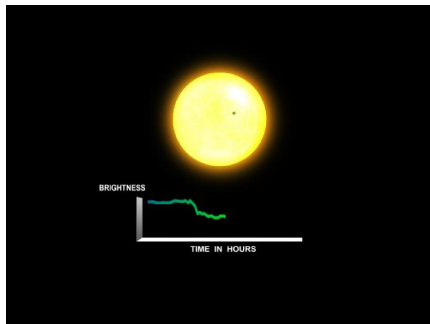


- James Jenkins
- 923 F, G and K southern stars
- Data taken with FEROS
- 33 spectroscopic binaries
- 3 halo stars
- $T_{eff}$ ,  $V_{rad}$ ,  $v \sin i$ ,  $[Fe/H]$
- Ages,  $R'_{HK}$ , LiI 6708Å EW
- Kinematics ( $U$ ,  $V$ ,  $W$ )



## Planetary Transits

- 405 exoplanets known
- 62 found with transits
- $R_{planet}$ , with RV:  $M_{planet}$
- Atmospheric studies



## Project

Search of planetary transits in M dwarfs using IR data from UKIRT



Thank You

