

# Some Figures From BeSS

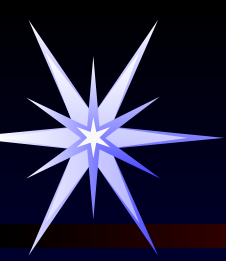
*Observatoire de Paris-Meudon*

*23 Oct 2017*

*François Cochard*

*(BeSS, Shelyak Instruments)*

*francois.cochard@shelyak.com*

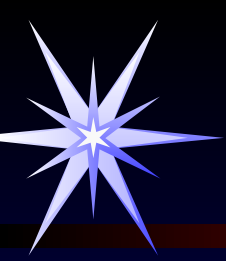


# Some figures...



- BeSS & ArasBeAm
- Only data from the database
  - no spectra content
- SPECTRA vs Independant OBSERVATIONS
  - One Echelle Observation = many spectra

**During the week, I can compute other data if needed**



# Today in BeSS...

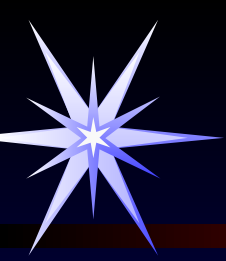


142343

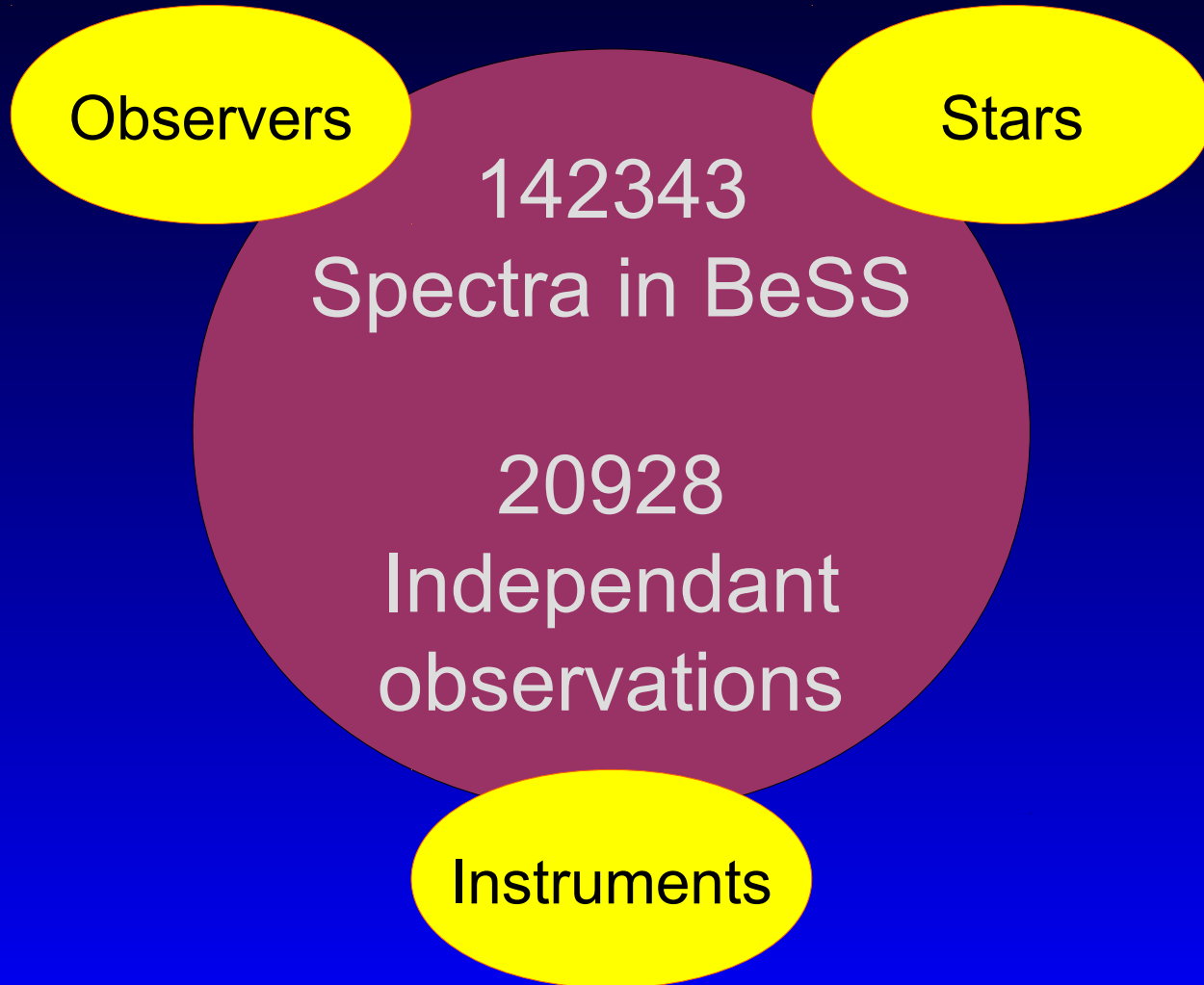
Spectra in BeSS

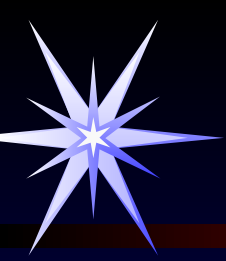
20928

Independant  
observations

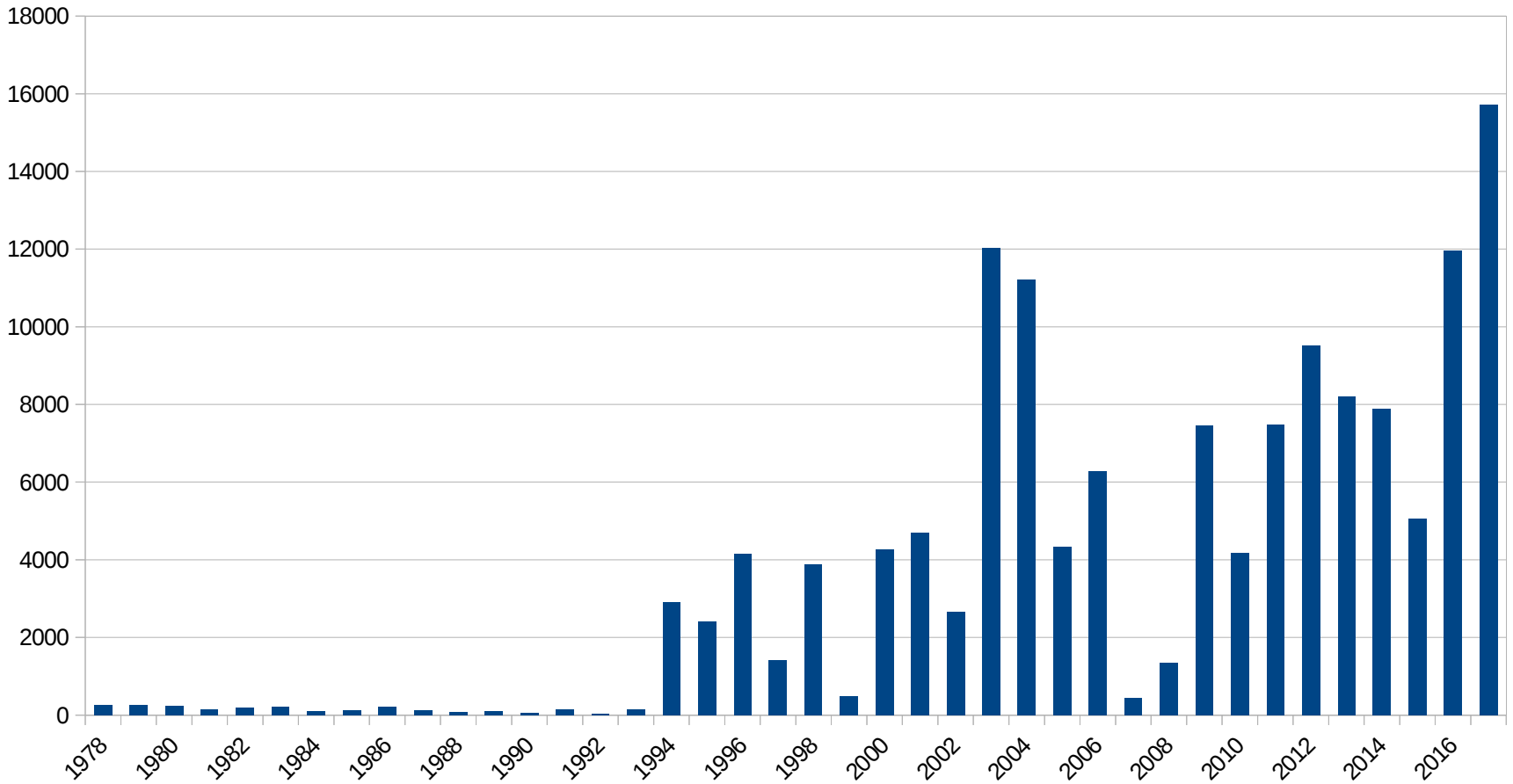


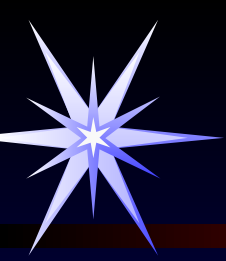
# Observations dispatching



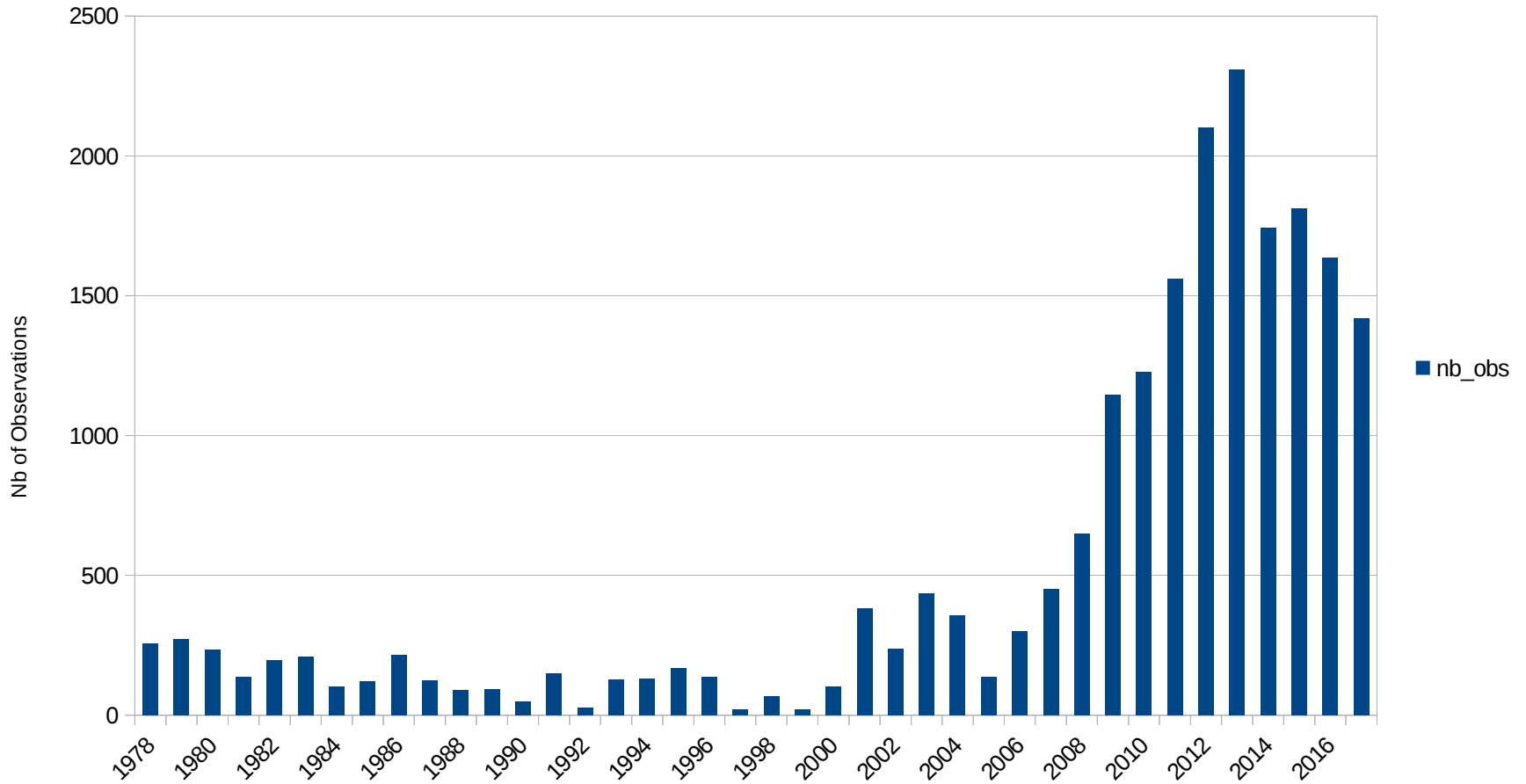


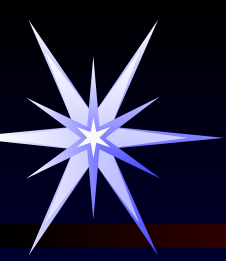
Nb of SPECTRAS per year



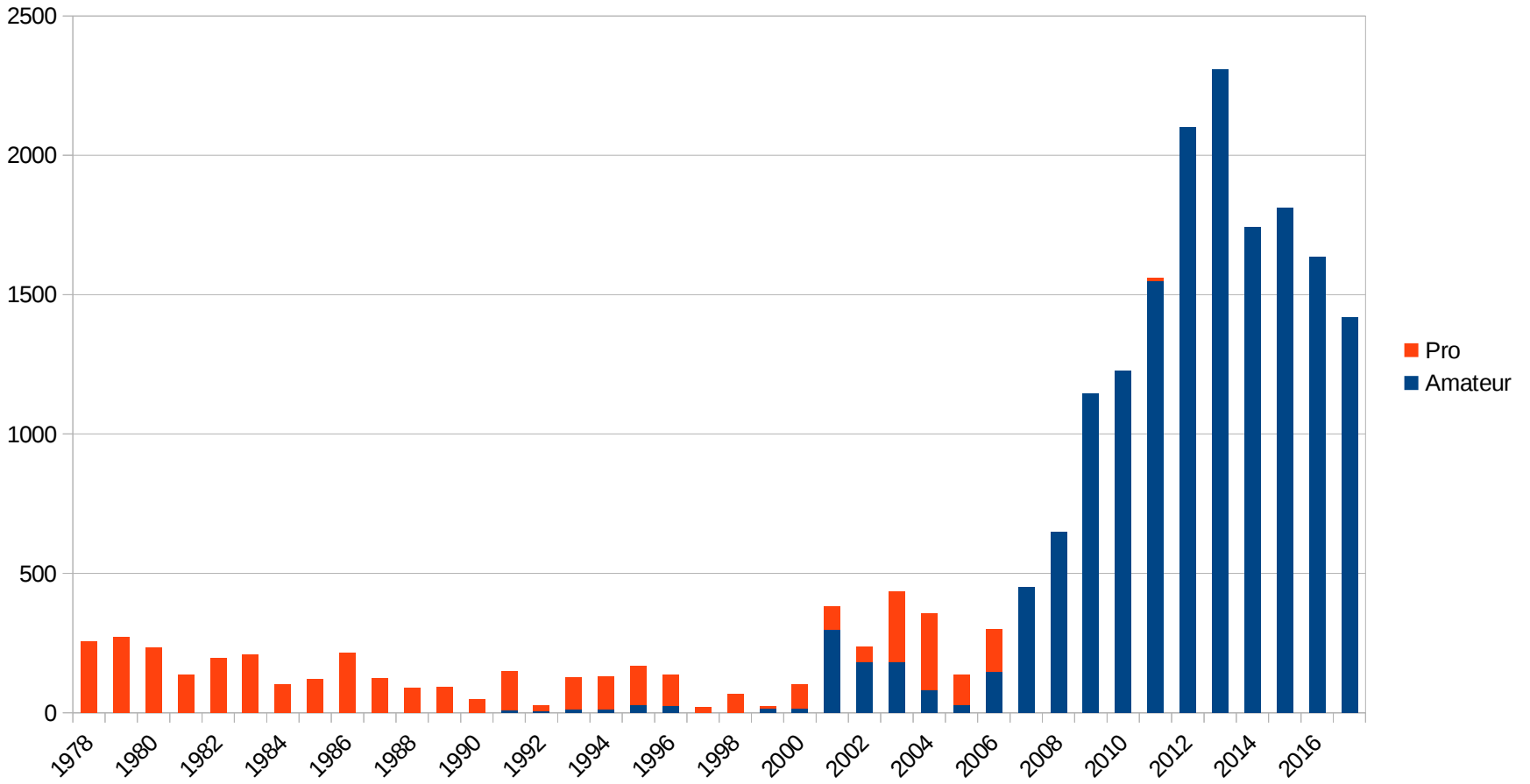


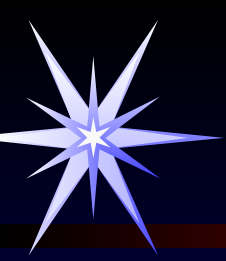
Nb of Independant OBSERVATIONS per year



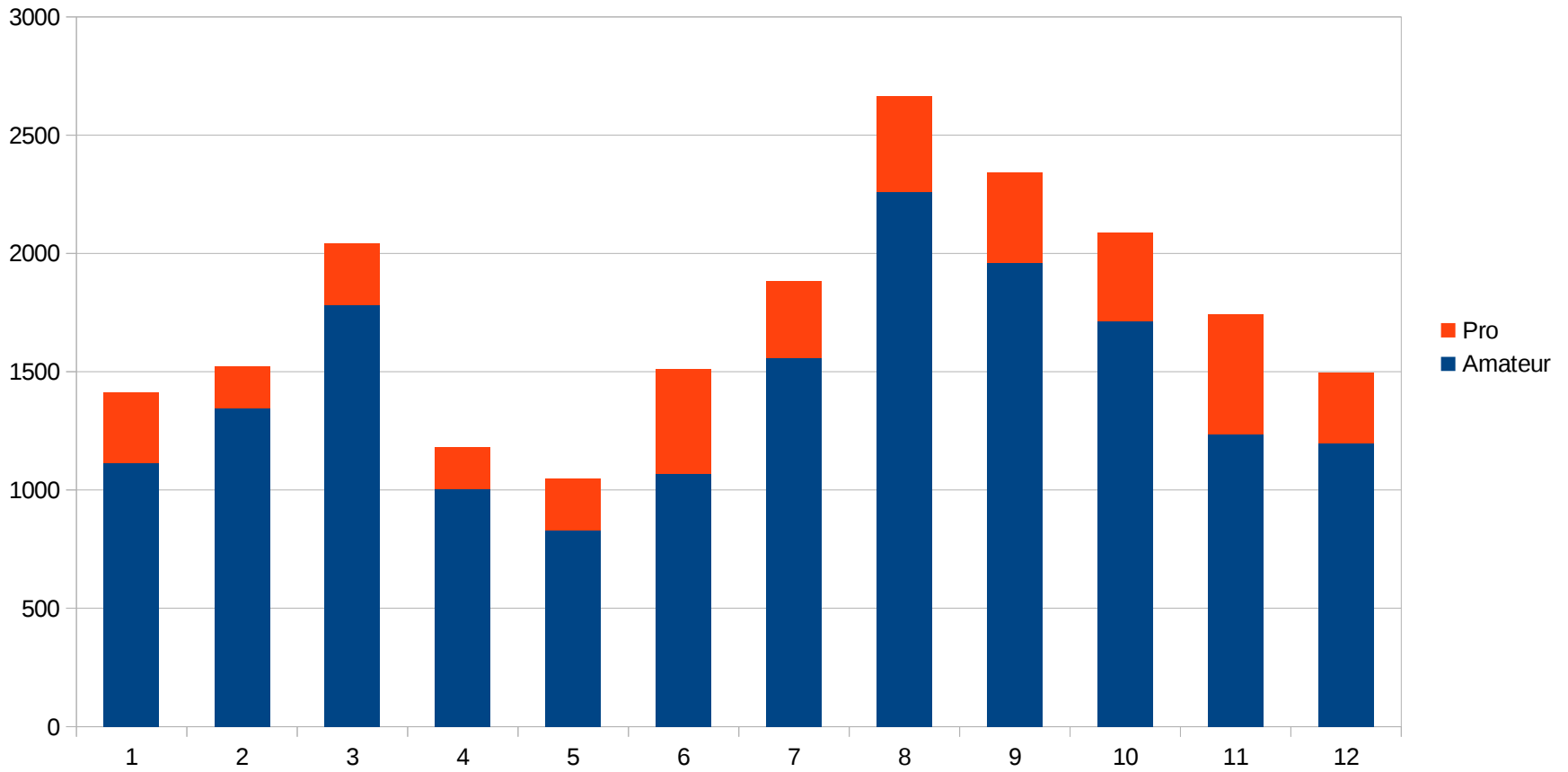


Nb of Independant OBSERVATIONS per year

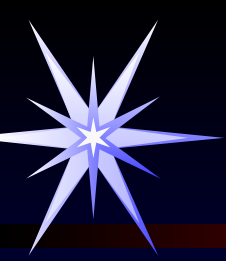




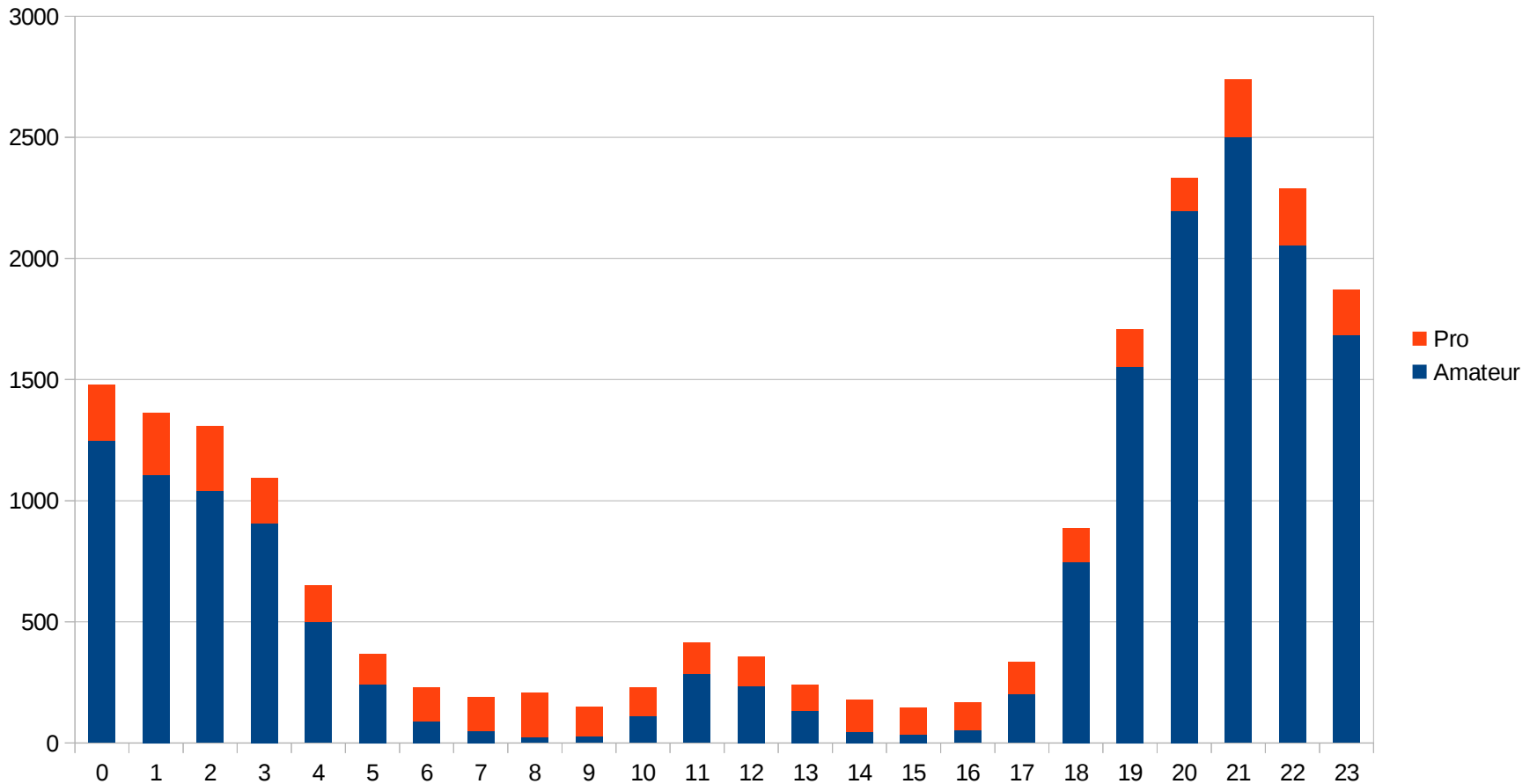
Nb of Indep. OBSERVATIONS per month

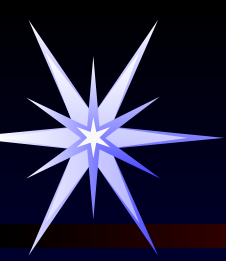




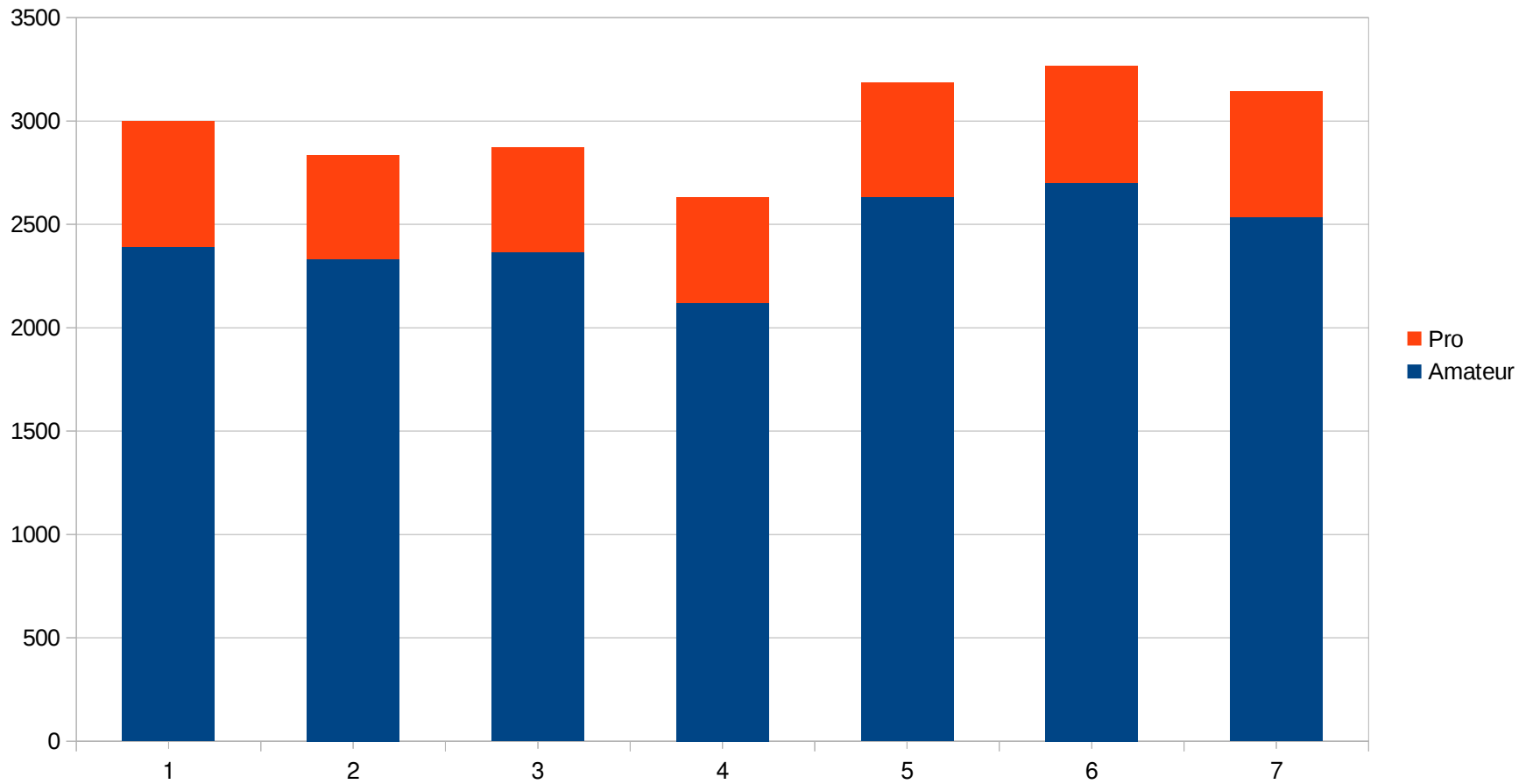


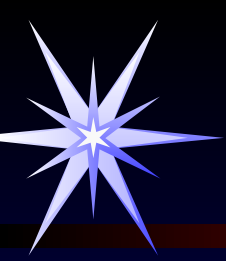
Nb of Indep. OBSERVATION per Hour (UT)



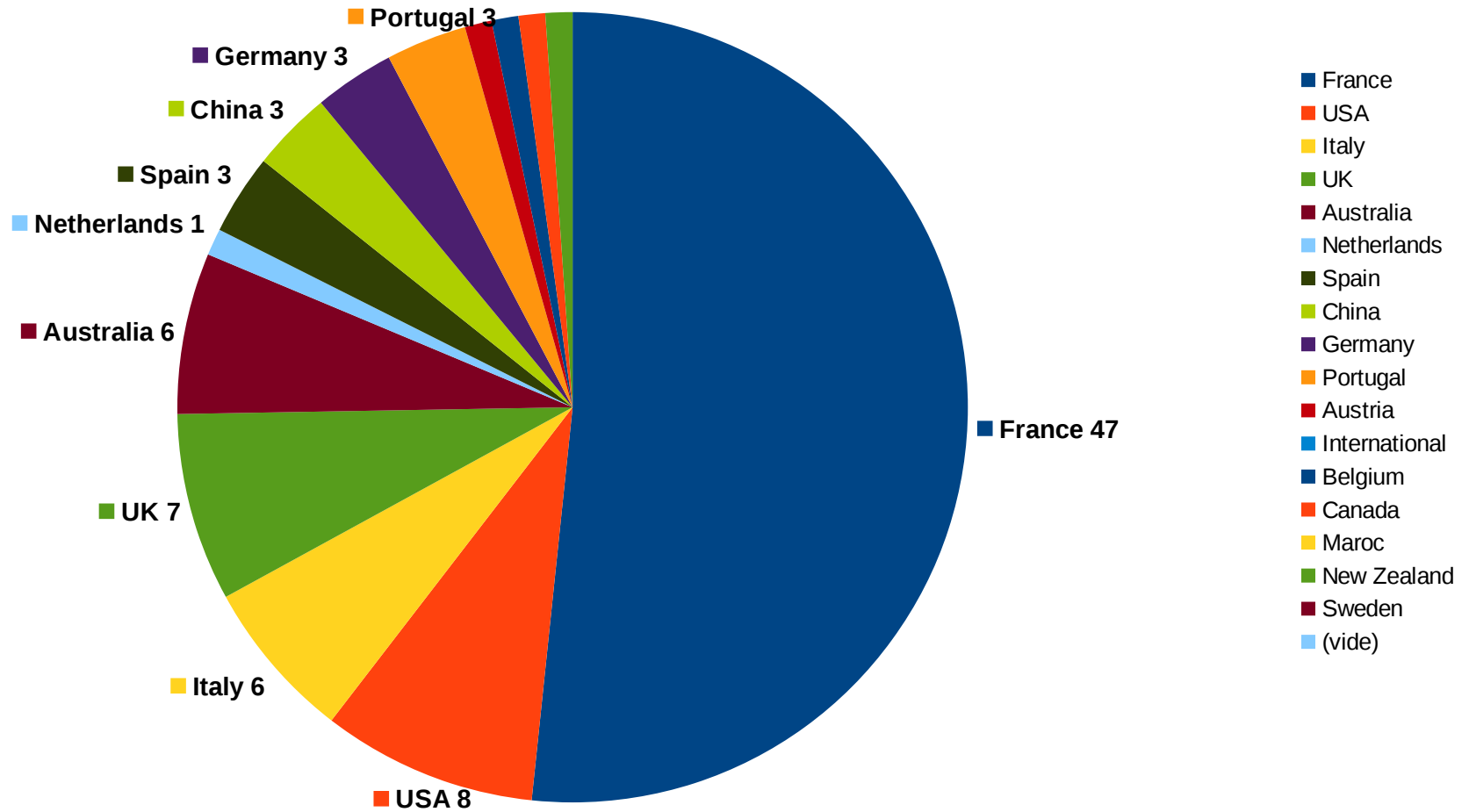


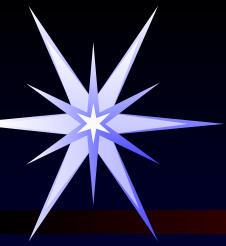
Nb of OBSERVATIONS per day of the week



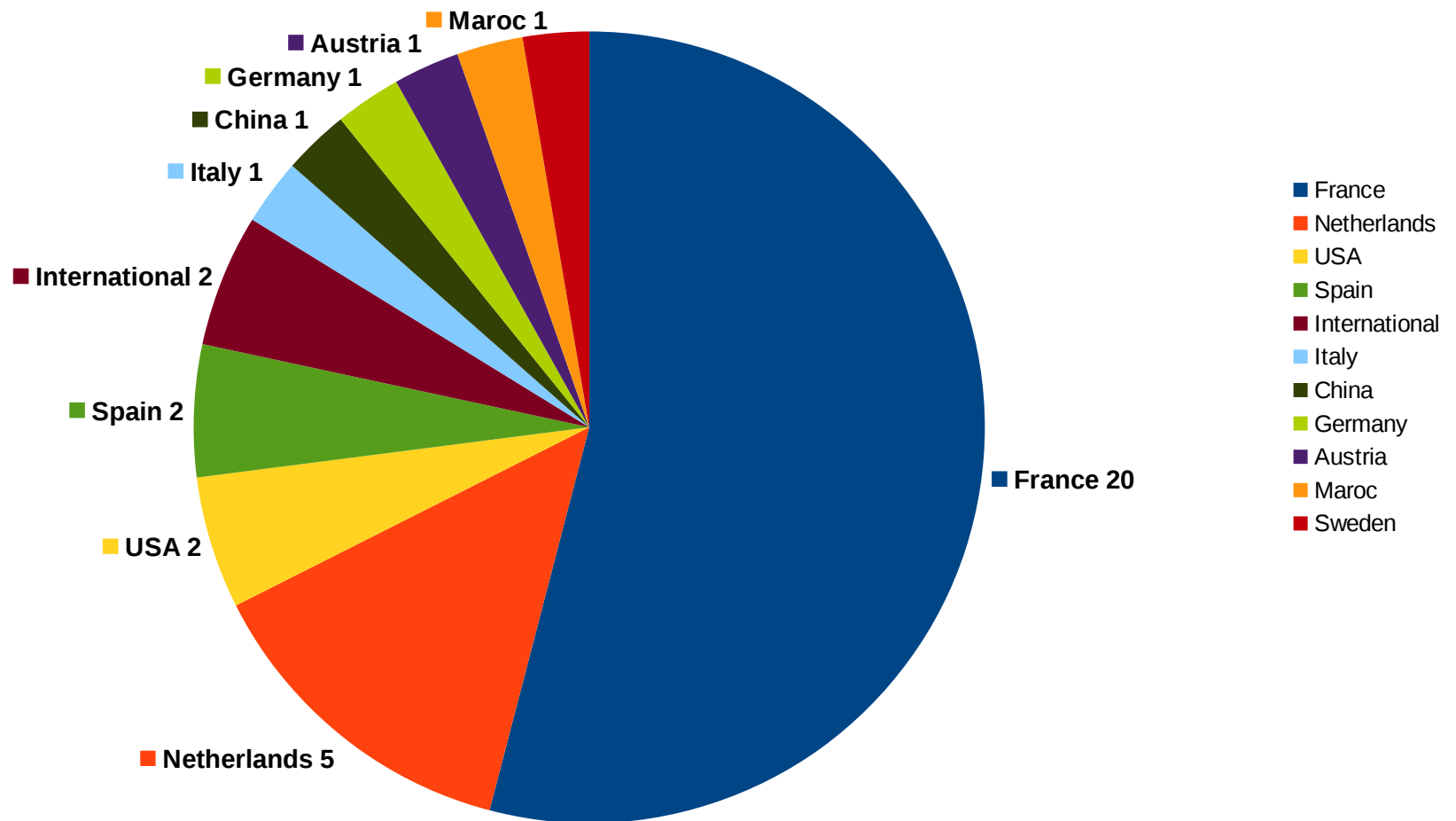


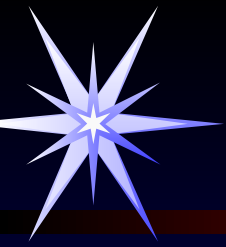
Nb of AMATEURS OBSERVERS per country  
TOTAL : 91 observers



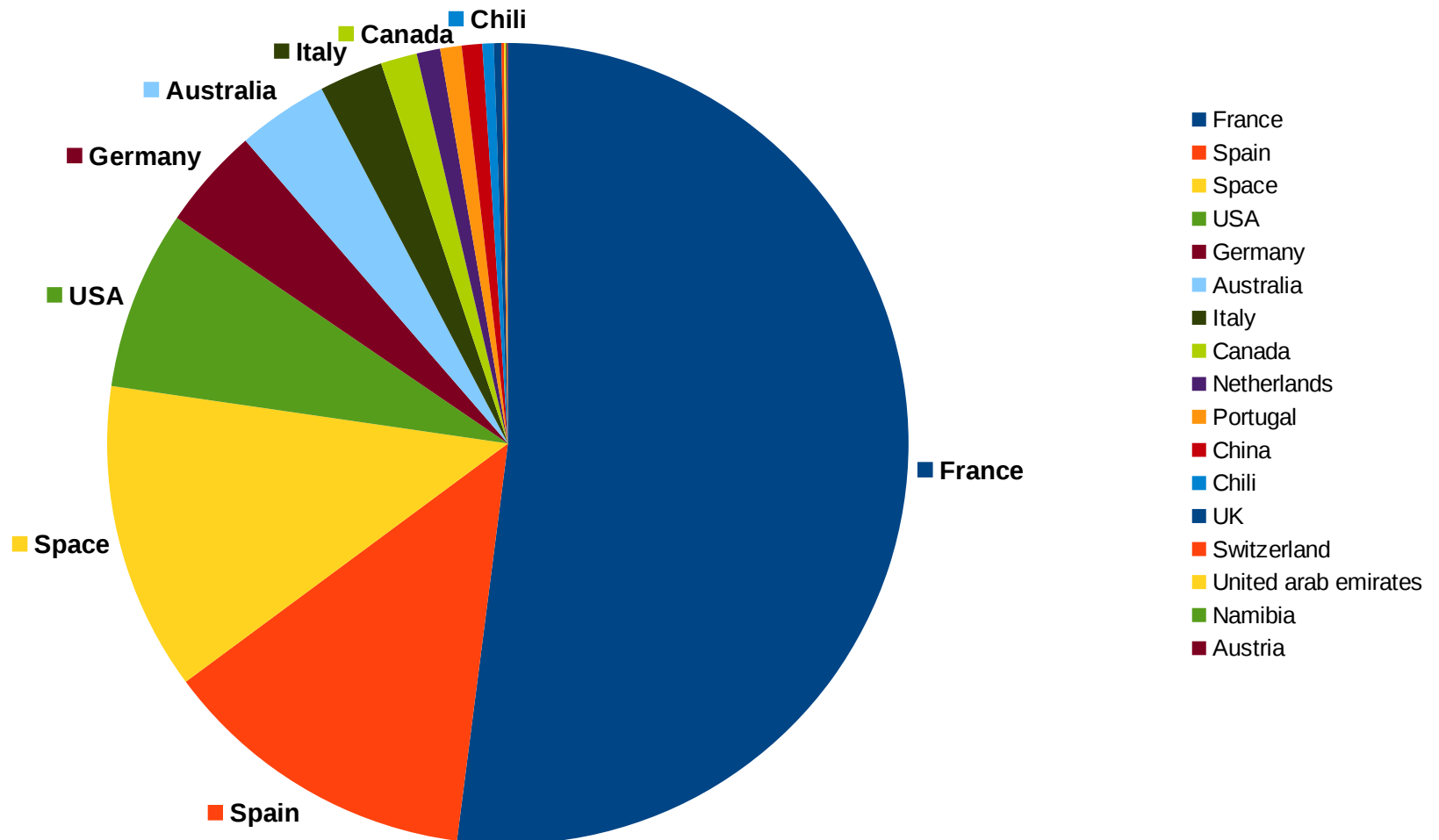


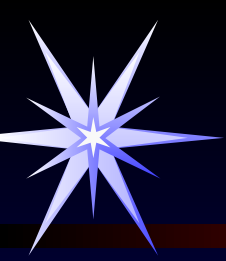
Nb of PROS OBSERVERS per country  
TOTAL : 38 observers



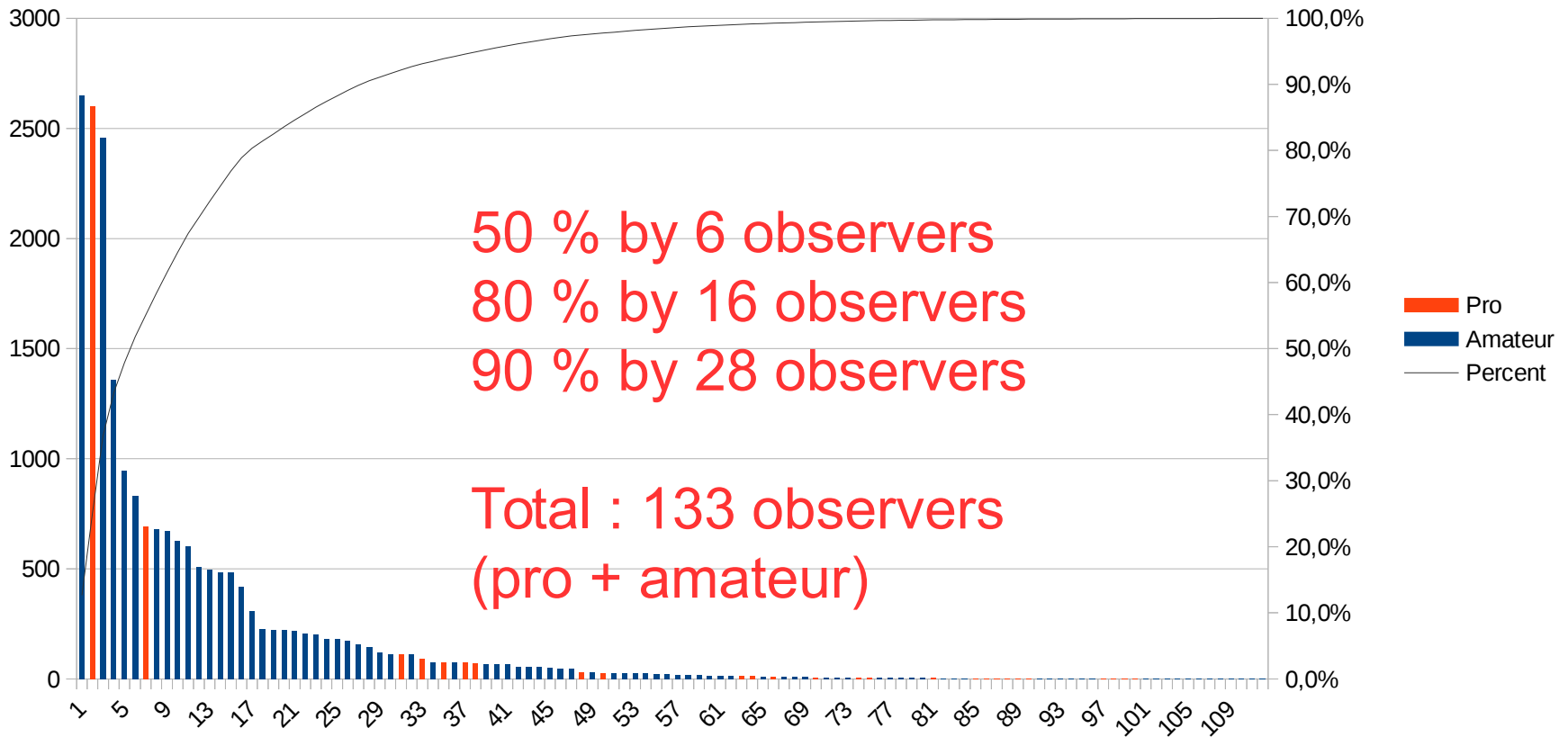


Nb of OBSERVATIONS per (site) country

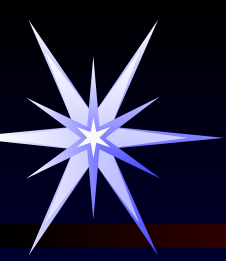




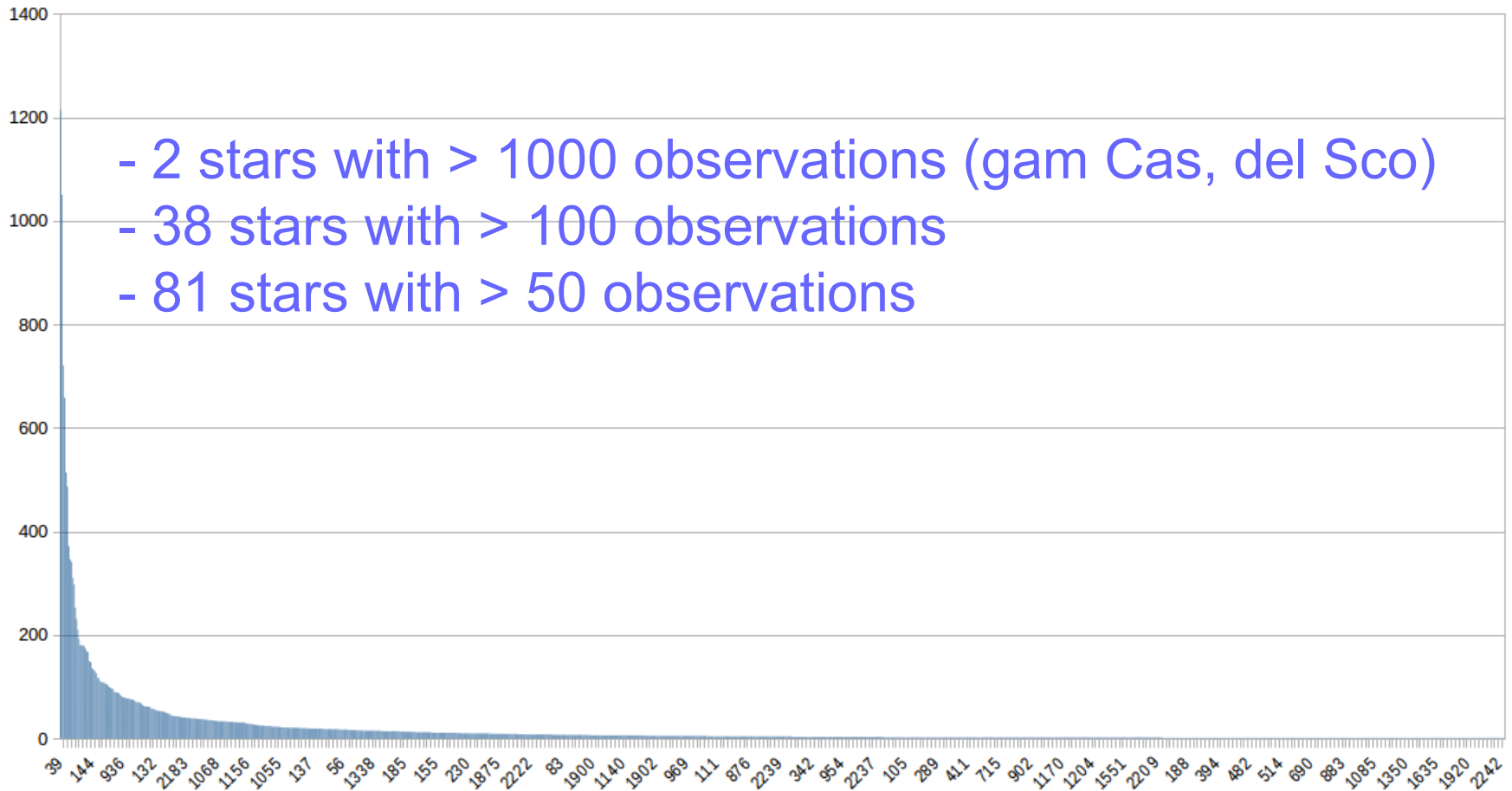
Nb of OBSERVATIONS per OBSERVER

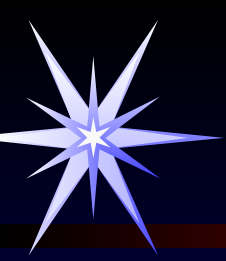


Congratulations to : Joan Guarro, IUE, C. Buil, T Garrel, C. Sawicki, E. Pollmann



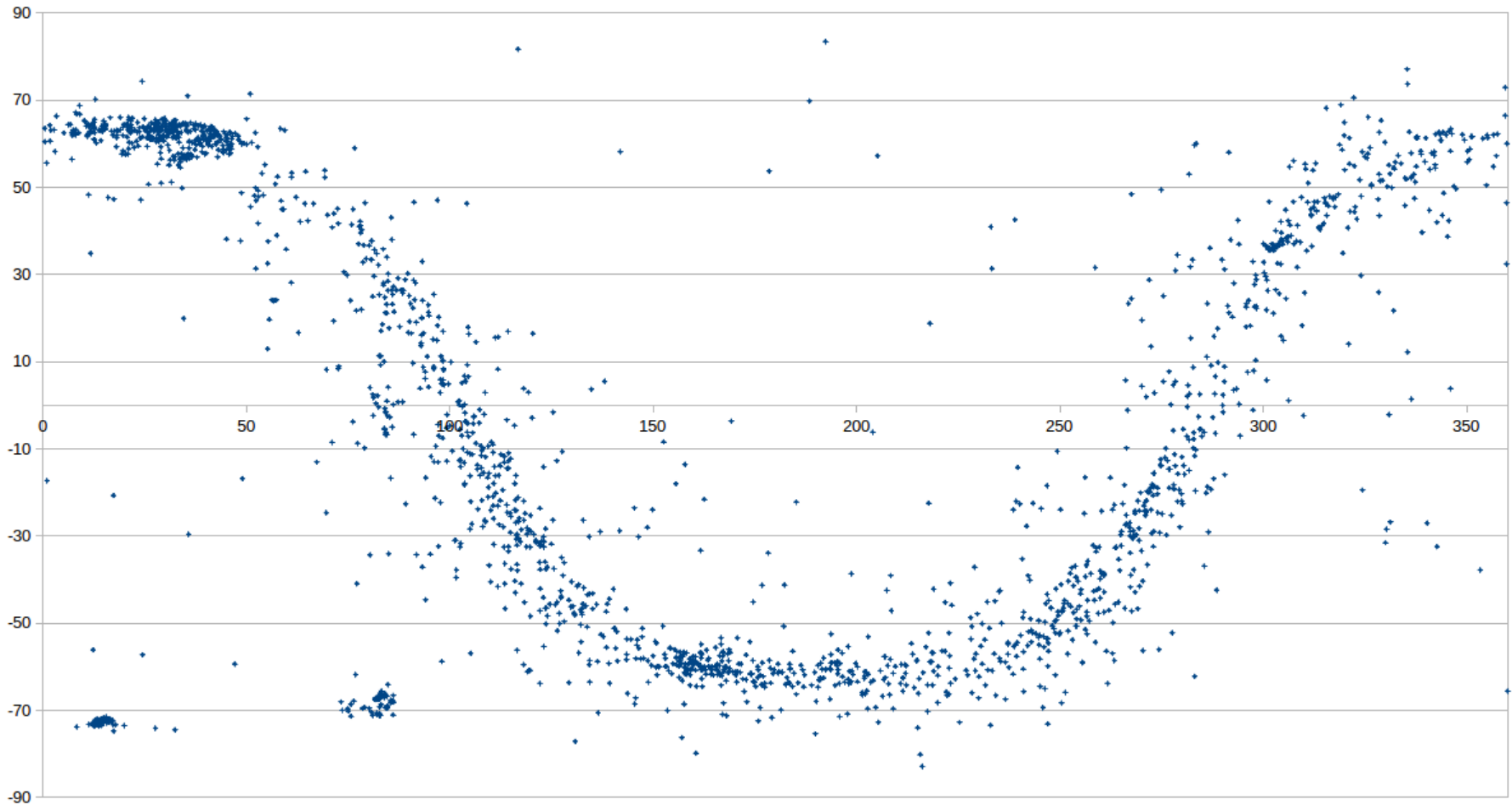
Nb of OBSERVATIONS per Star



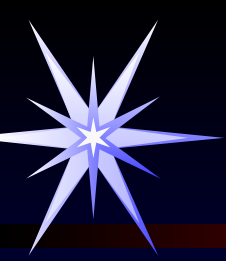


# Be STARS distribuion in the Sky

Be STARS distribuion in the Sky

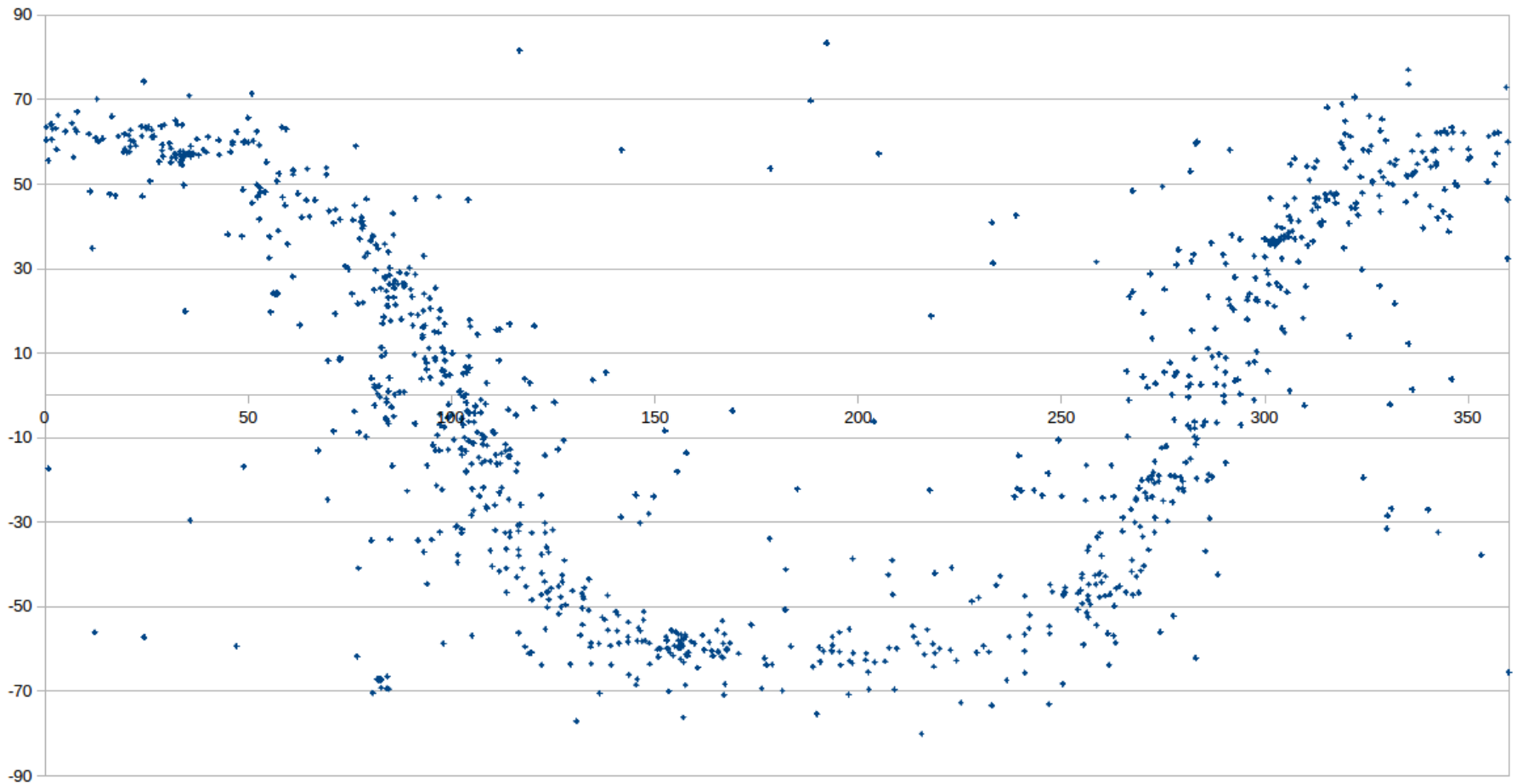


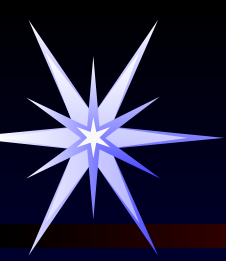




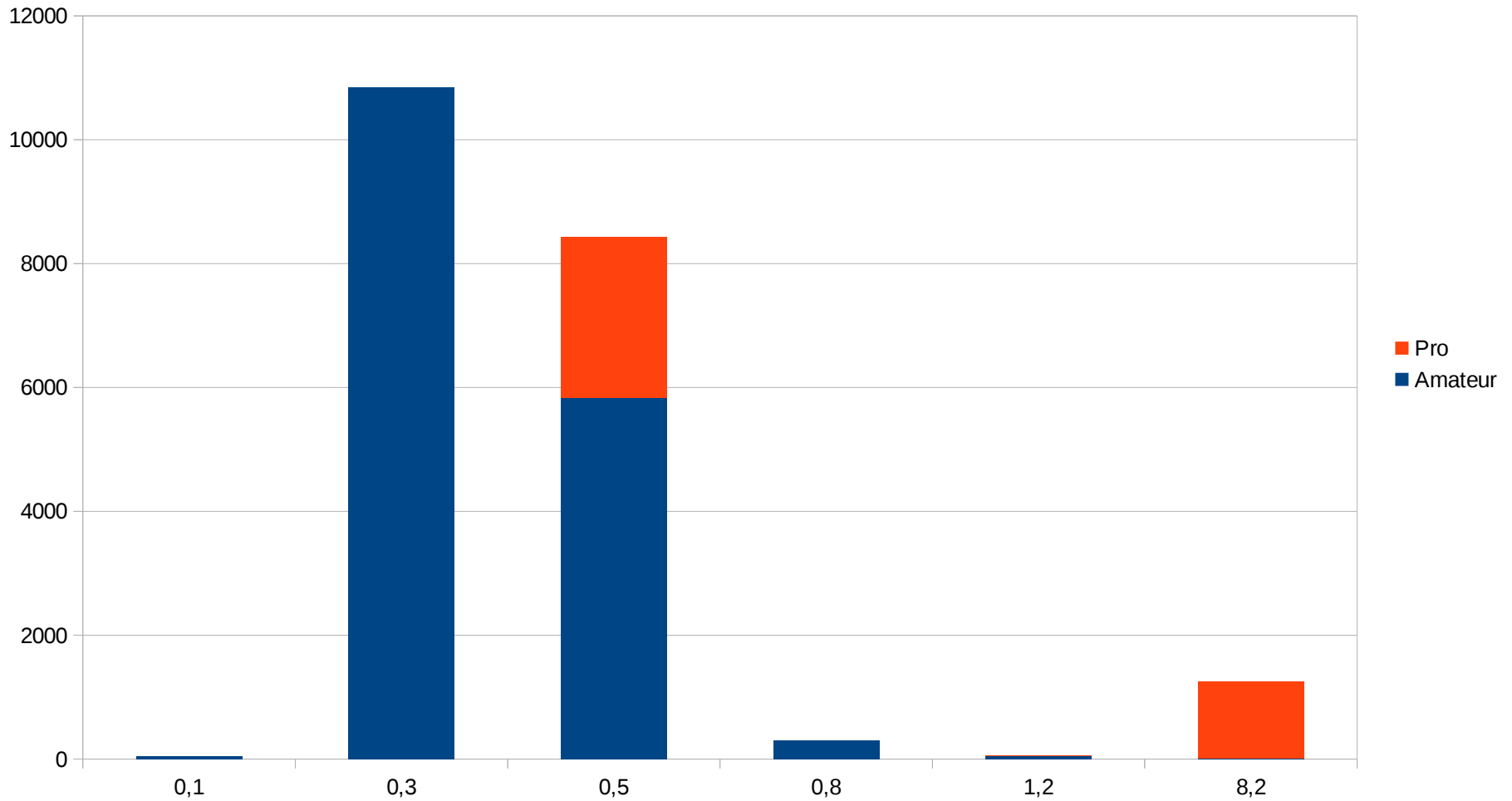
# OBSERVATIONS distribution

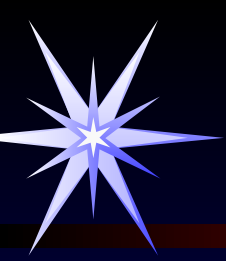
OBSERVATIONS distribution in the Sky (RA-DEC)



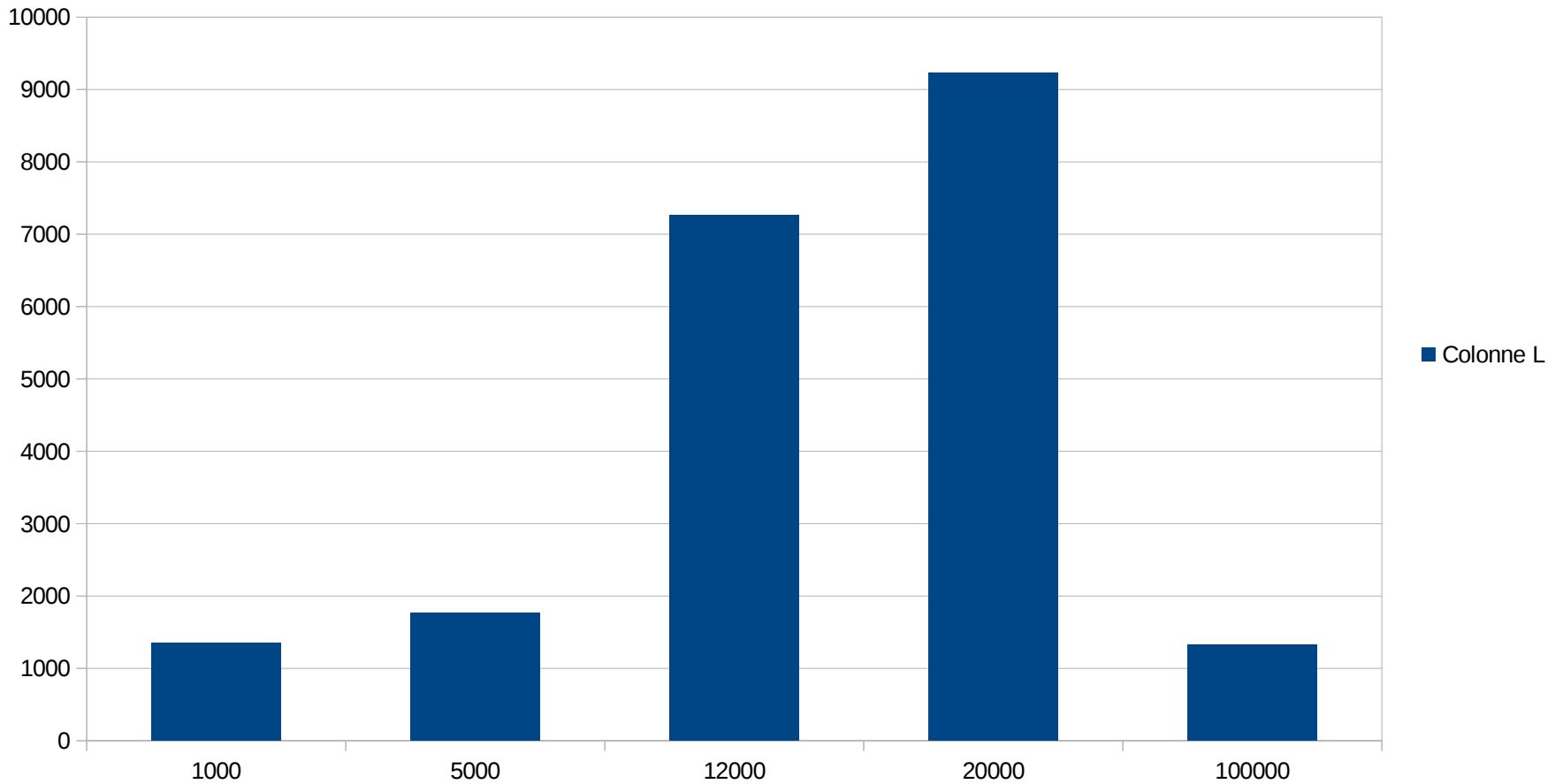


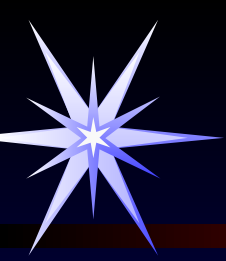
Nb of OBSERVATIONS per (up to) Telescope DIAMETER



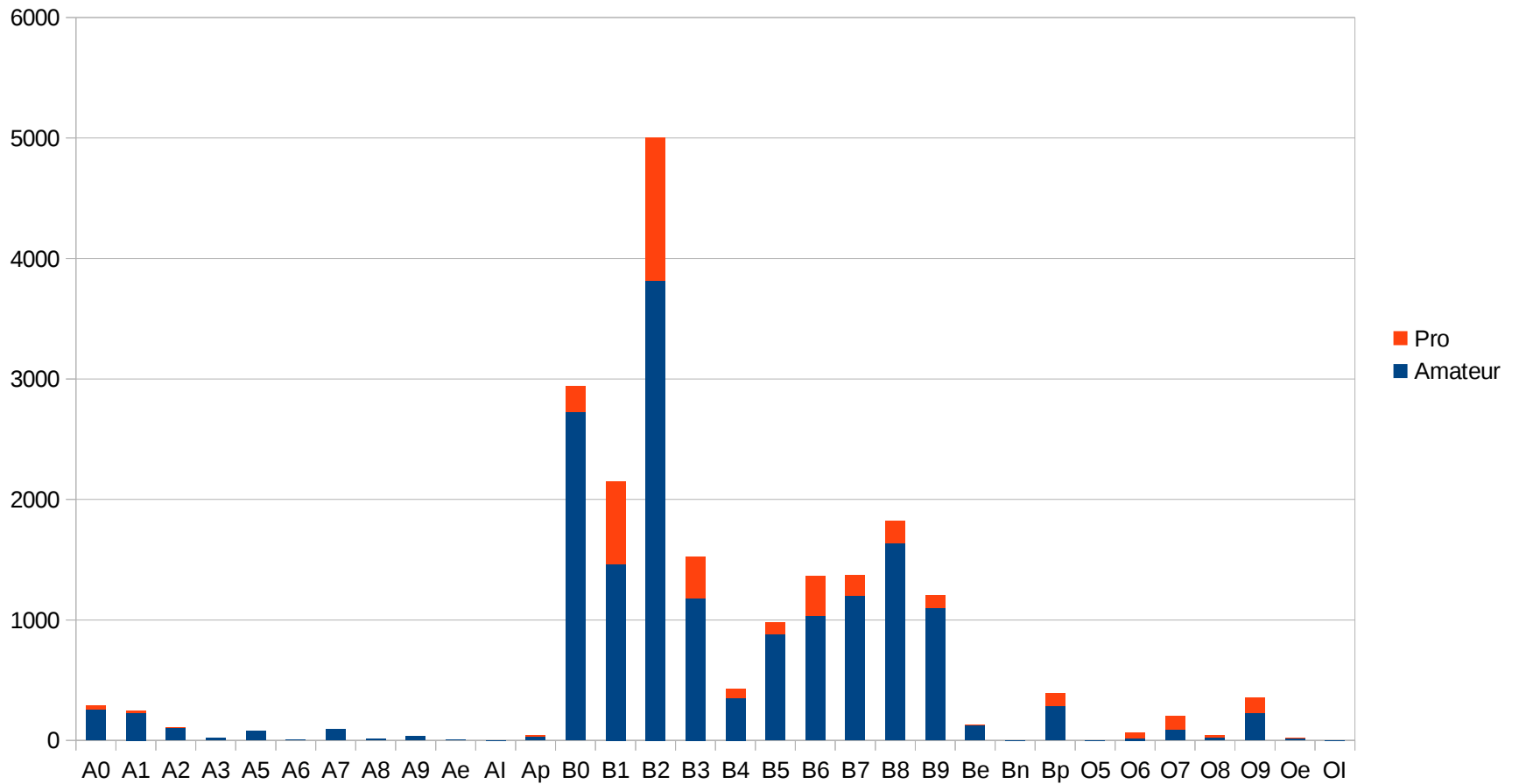


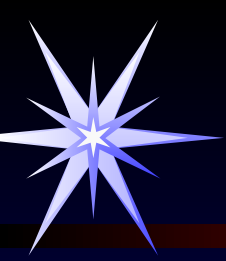
Nb of OBSERVATIONS per Resolution



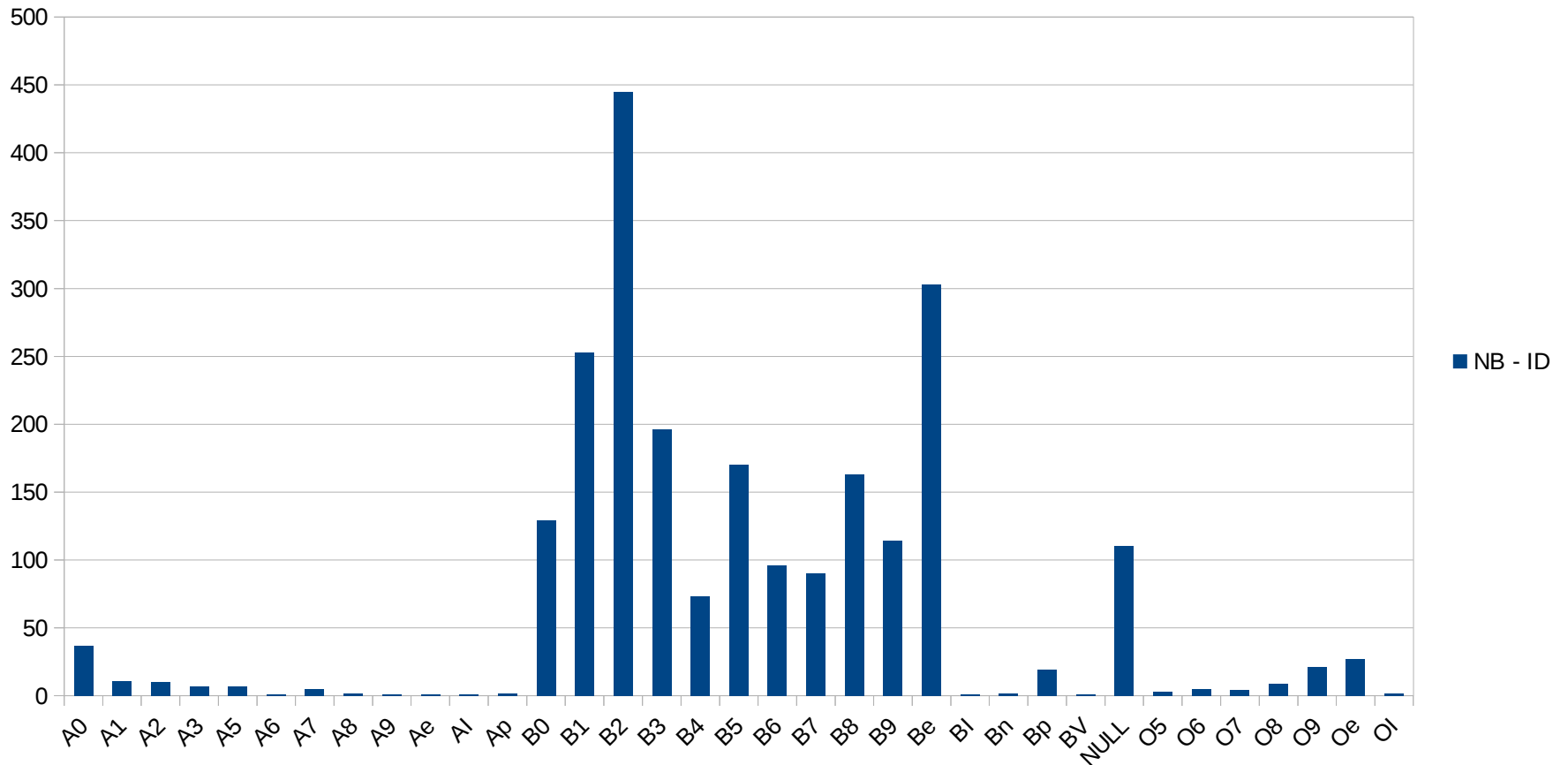


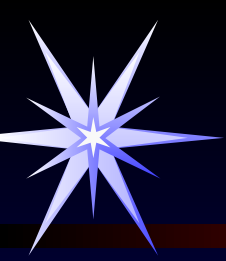
Nb of OBSERVATIONS per Spectral Type



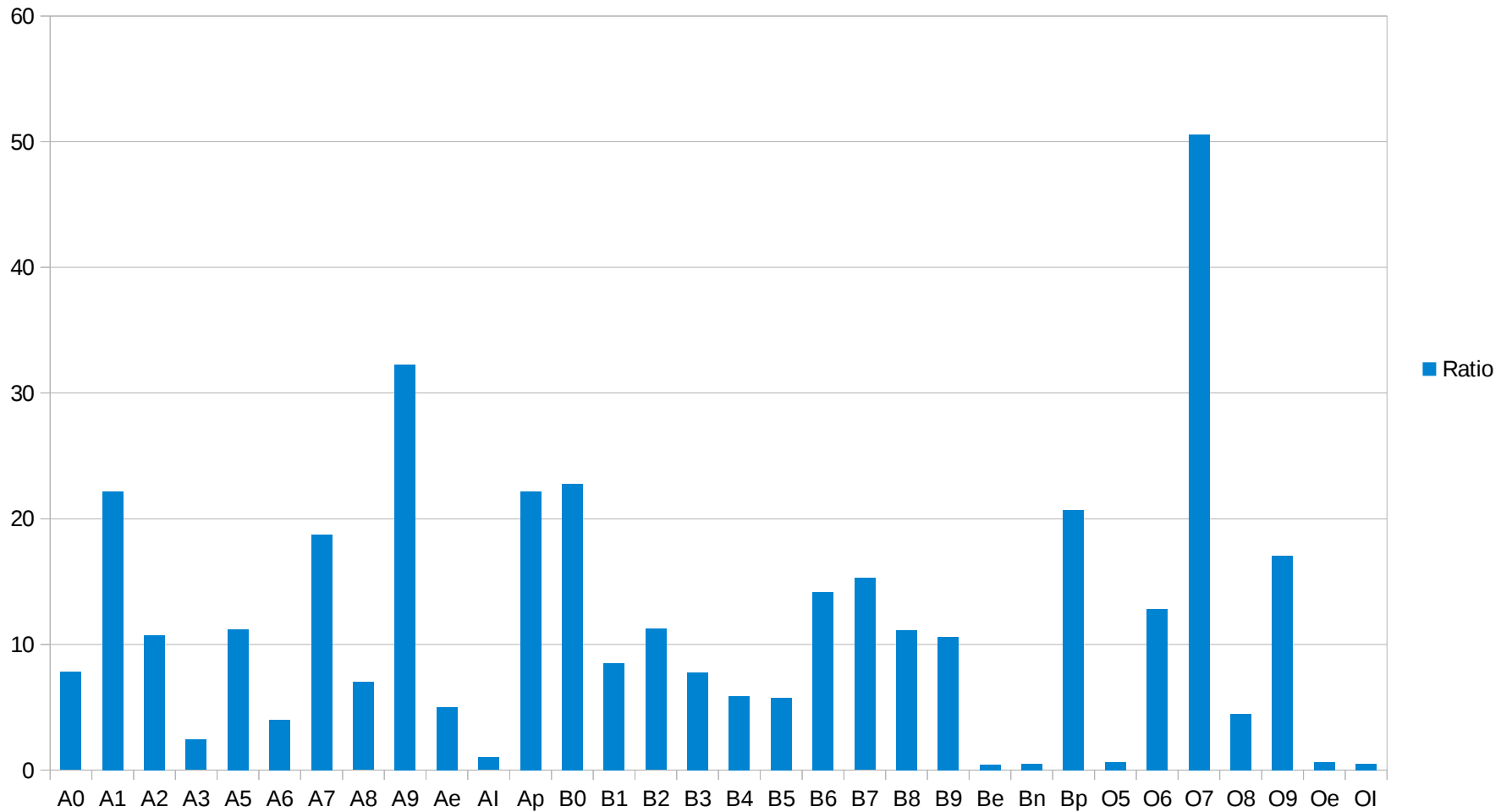


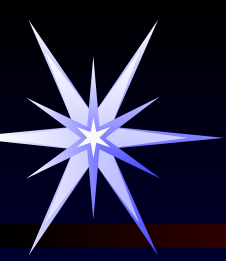
Nb of STARS per Spectral Type



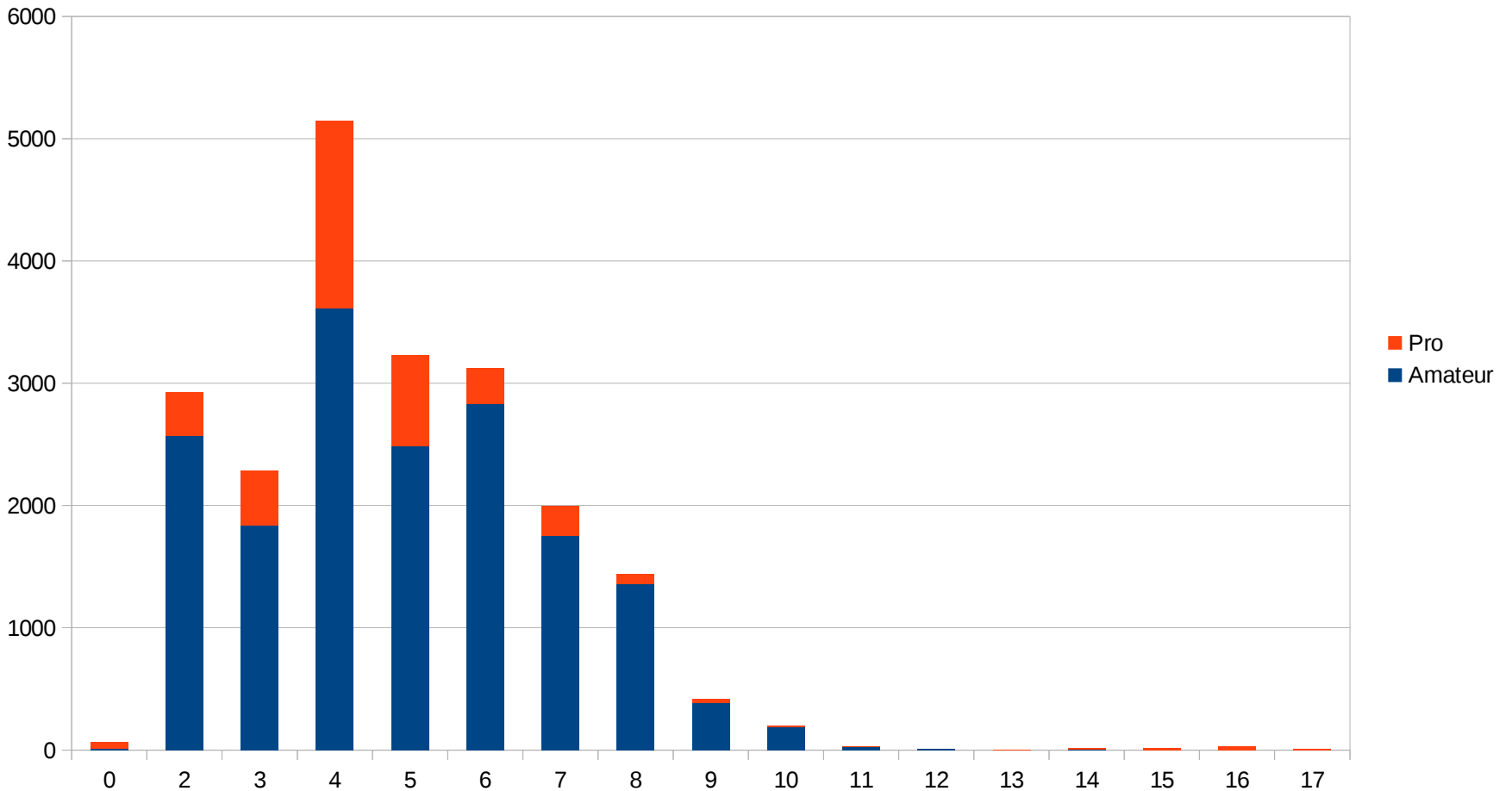


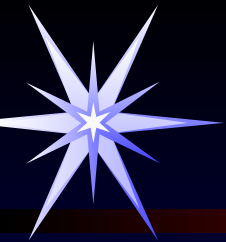
Average Nb OBS per spectral Type





Nb of OBSERVATIONS per Magnitude





# ArasBeAm statistics

This page collects statistics on Be observations

Number of spectra in BeSS and ArasBeAm.

The date taken in count for each spectrum is the observation date.

	Nb total	Ha - High Res.	Ha - All Res.
Total	142342	16114	17765
1 year	20253	1694	1804
3 months	9601	640	674
1 month	4530	260	261

Number of spectra required to cover Observing Programs.

		Ha - High Res.		Ha - All Res.	
		per year	per month	per year	per month
North Hem. (DEC > -25°)	Mag < 6	488	41	879	74
	Mag < 7	1089	91	1961	164
	Mag < 8	1242	104	2236	187
South Hem. (DEC < +25°)	Mag < 6	316	27	569	48
	Mag < 7	532	45	958	80
	Mag < 8	697	59	1255	105

Level of success in Observing Programs.

		Ha - High Res.				Ha - All Res.			
North Hem. (DEC > -25°)	Mag < 6	97	1	7	92.4 %	78	13	14	74.3 %
	Mag < 7	173	6	17	88.3 %	135	16	45	68.9 %
	Mag < 8	240	10	71	74.8 %	179	22	120	55.8 %
South Hem. (DEC < +25°)	Mag < 6	96	1	31	75 %	67	19	42	52.3 %
	Mag < 7	142	5	71	65.1 %	92	25	101	42.2 %
	Mag < 8	240	8	170	57.4 %	111	43	219	29.8 %

## Technical data for administrators

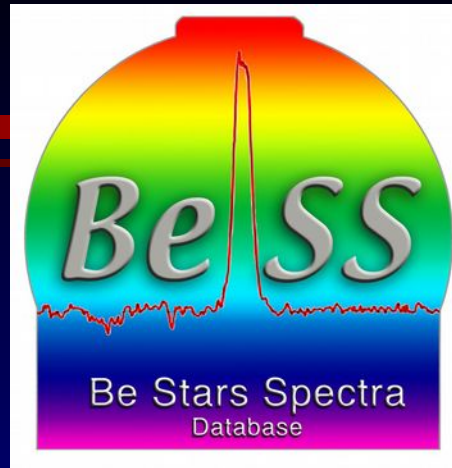
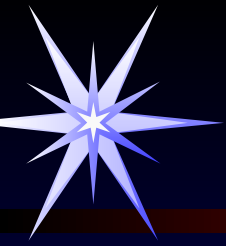
Total number of stars in ArasBeAm: 2321

Observing period ratio between High Res and All Res programs: 1.8

Number of spectra with unknown resolution (R<=10): 0

Number of star in intensive observation mode : 0





**Merci !**