



Stars, Companions, and their Interactions *A Memorial to Robert H. Koch*

August 10-12, 2011 Villanova, PA USA

Pi for Dessert

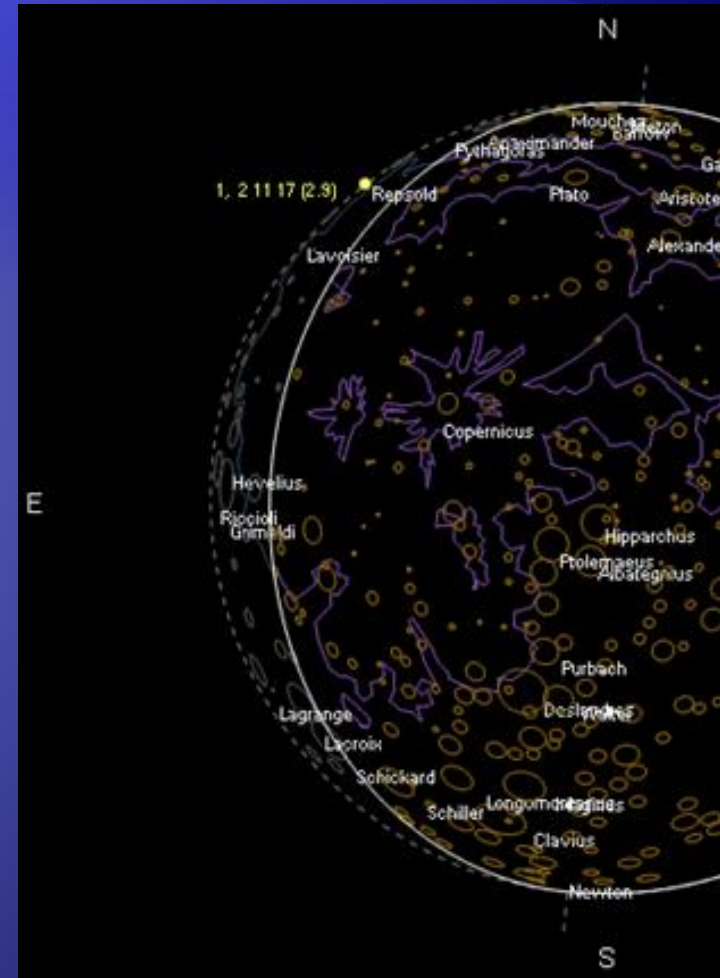
Pi Sgr Lunar Occultation 2011-Aug-1011

Bruce Holenstein, Dylan Holenstein, Larry DeWarf, and VU Students



Prediction

- ◆ Pi Sgr Al Baldah/ZC 2797
- ◆ Occult4 prediction for Bob's banquet 10:11:36pm (EDT)
- ◆ RV 0.287"/sec.



WDS entries

RA	Dec	Name	Y1	Y2	N	PA	PA	Sep	Sep	M1	M2		
19098-2101	FIN	311AB	1936	1989	5	152	179	0.1	0.1	3.6	3.6	F2II	+000-035
19098-2101	FIN	311AB-C	1936	1939	3	122	136	0.4	0.3	3.0	6.0	F2II	+000-035

Video Time Insertion on VU C8 feed

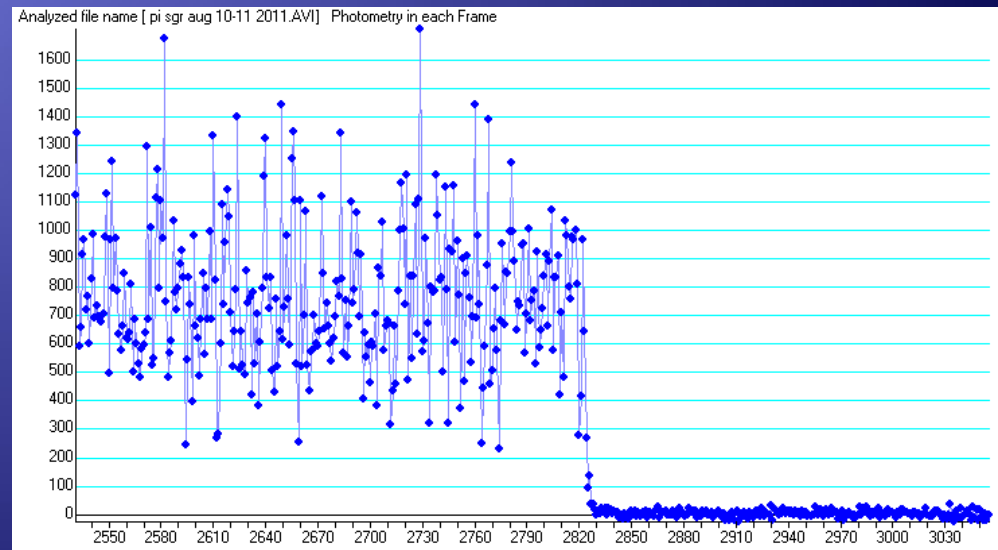
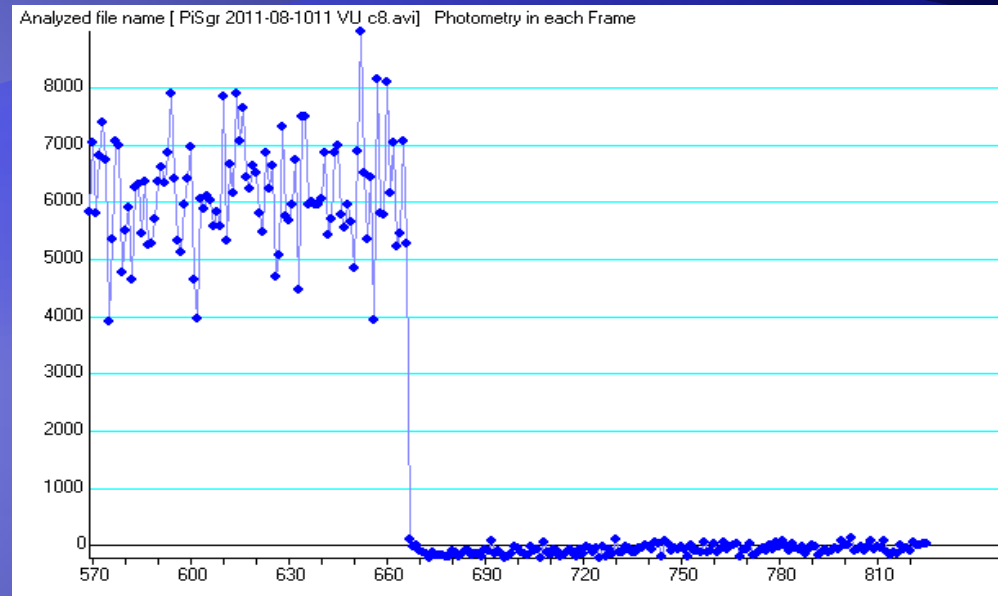
40 02 .3284N
02:11:27-00

075 20 .4008W
08/11/11



Preliminary Data Reduction

- ◆ Villanova C8, 164CEX-2 CCD, no filter, 30fps
- ◆ 9.4mas per datum
- ◆ Gravic C8, Andor Luca-S emCCD, Sloan r filter, 120fps
- ◆ 2.4 mas per datum



Preliminary Recognitions

- ◆ Event happened at 10:11:36.667pm (early)
- ◆ Triple system not apparent
- ◆ Higher elevation and bigger scopes are helpful
- ◆ Lunar occultations are productive student projects
- ◆ RHK hopes we liked the Pi

