

Outline for ColdSpotz Teachers & Students visit to Caltech, June 11-14, 2012

Meet and work in Keith Spalding 410E&W Plan on a 9am start, give or take a few.

	Mon	Tue	Wed	Thu
		JPL Tour: Varoujan Gorjian	NuStar launch! Statistics	Morphologies
9:00	Intro/Logistics/Overview			
10:00				
11:00				
12:00	Career Q&A over pizza			
		Comparisons with existing fits		
13:00			Ben Rusholme Talk: Astronomy at the South Pole	The motion of SSOs
14:00	Learning to query other databases	Playing with the IR Camera		
15:00		Discussion on origin of life		Quiz
16:00	Quiz			
17:00				

1. Different space telescopes – why do we need many of ‘em?
2. What are the types of sources and what they might look like?
3. Overview of where we are at the present time.
4. Testing the validity of your SED fits – using Akari/IRAS/Sloan data.
5. Statistics: Concept of upper limits and significance of detections (3sigma, 2sigma).
6. Looking up morphologies of objects to verify classification.
7. Documentation – keeping track of the work you have done. Check and cross-check to make sure you have the correct number. For example, what is the precise position of the source as derived from WISE/Sloan?
8. The eventual goal is classifying every one of the ~9000 sources into a piechart of the form below

