HR4AGN Conference Call Notes

1/30/2012 6:00PM EST First Group Call

John	Y
Varoujan	Y
Wendy	Y
Tom	Y
Pamela	Y
Jake	Y
JC	Y

Agenda:

- Go over the plan w/ our knowledge from the reading.
- Talk about AGN.
- Launch into expectations r.e. proposal.
- If time: Wiki and such.

Discussed the AGN cheat sheet.

SCALE: What is the luminosity of the accretion disk?
ADisk is on orders of AUs
Dust: parsecs
NLR: 100s of LY

Targets: Aim for nearer objects. We don't really want distant quasars cause their peaks are being really red-shifted. So…quasars are generally out. Sources should be nearby, apples to apples.

Elliptical gxs have low dust, so low contamination from galaxy disk dust.

GALEX: survey in 2003-2008'ish. Difficulty we had earlier was that we tried to use Spitzer, but not enough data: it was a targeted set of AGN. Now we have the WISE survey, which is all-sky and thus better coverage. Whatever is in GALEX is in WISE.

WISE: 4 different IR wavelengths. 3.5, 4.5, 12, 23 microns sensitive to progressively cooler dust.

Variability reduction: LARGE numbers of sample. AND the further away the dust is from accretion disk, the cooler it is and the less it flickers in response to variability of accretion disk.

We want radio quiet sources. Type-I. We do not want Type-II (with dust blocking the view). We want low jet quantity (low radio, and low interfering light from jet). Low SFRs good, so Elliptical gxs. Sticking nearby with Seyferts with $z<0.10$

NASA Extragalactic Database: Varoujan to send out directions later for all of us to try. http://ned.ipac.caltech.edu/

The WIKI:
Can use MediaWiki converters to start with HTML and it will convert to wiki format.
Absorb the structure then use it.
Check out Luminous Data Miners' previous proposal.