SAS Honors Seminar 259: Extraterrestrial Life

12/8/2008
GBT remote observing tonight

When: 7:00pm - midnight
Where: Serin Lab 309W
   (Busch campus)
Who: Baker + Sharon + ???
How: Call me in my office
   (732-445-2544) after
   7:00pm, and I'll let you
in through the door at
the west end of the building
( across the street from ARC).
Try 732-445-5881 as well.
Term papers: topics

Green lighted

J. Churgin – The Search for Earth-Mass Extrasolar Planets
C. Grillo – The Cambrian Explosion
S. Ilyas – Terraforming Mars
S. Mitchell – Extremophiles in Ice
K. Rafferty – The Drake Equation
N. Ramay – The (Possible) Origin of Life on Mars
J. Remsen – Creating Life in a Lab: Is It Possible, and What Are the Implications?

http://www.physics.rutgers.edu/~ajbaker/honors259/termttopics.html
Discussion Wednesday (12/10)

Organize yourselves into at least three groups (every group should have at least three people).

Each group should discuss (in person or by email) the various terms in the original form of the Drake Equation, and agree on consensus most likely values and appropriate uncertainties. Do this before class.

Different groups should not compare answers in advance!
Fomalhaut b: detection images

Kalas et al. (2008)
HR8799 b, c, & d: detection images

Marois et al. (2008)
HR8799 b, c, & d: cooling tracks

Marois et al. (2008)
Comparisons with model spectra

Marois et al. (2008)

Kalas et al. (2008)