13 September 2008

To: ANASAC (anasaconly@nrao.edu)
From: John Hibbard, NA ARC Manager (jhibbard@nrao.edu)
CC: C. Lonsdale, C. Carilli, F. Lo, D. Frail, A. Bridle

Subject: NRAO/NAASC community support programs

Community support programs in NAASC budget:
Note: All $ are USD2008

(1) Data reduction visitors program (Site directors)
http://www.nrao.edu/administration/directors_office/nonemployee_observing_travel.shtml

Description: travel and housing support for short-term visits to NAASC to work on ALMA data. Similar to existing NRAO program.

Ramp-up: (additional to current NRAO program) $1.1k per visitor. 1 visitor every two weeks starting Oct 2010 (i.e. $29k/yr). Increase to 1 visitor per week ($57k/yr) in FY2013 (starts Oct 2012) and 2 visitors per week ($114k/yr) in FY2014 and beyond.

(2) NRAO Visitors Program (OSAA)
http://www.nrao.edu/astrores/visitors.shtml

Description: financial support (could include stipend) for Ph.D. scientists and engineers in radio astronomy and related fields to visit any of its sites to interact with NRAO staff and to carry out research programs other than while observing, e.g. during sabbatical or summer leave from their home institutes.

Ramp-up: not sure how big the NRAO program is. No separate NAASC program, but in FY09 we have identified ~8 person-months of support to help with the evaluation of CASA and other user support systems and/or molecular spectral line tools. Contact us (soon!) if interested.

(3) Facility Postdocs (Site directors)

Description: Postdocs to work & do research at NAASC. Will have some alma-specific duties (this year the plan is to have them reduce data in casa, work on pathways from Carma/SMA into CASA, and molecular spectral line simulator).
Ramp-up: First two start this year, another next year for a total of 3 in any given year.

(4) NRAO Jansky Fellows (OSAA)
http://www.nrao.edu/administration/directors_office/jansky-postdocs.shtml

Description: post-graduates of exceptional promise to work on whatever they choose anywhere in U.S.

Ramp-up: NRAO supports ~3/year for a total of ~9 on staff in any given year. The NAASC supplemented this by 1 last year, 2 next year, 3 in 2011, to a steady state of 4 in any given year from 2012 on.

(5) Student Observing Support program (Mangum)
http://wiki.gb.nrao.edu/bin/view/Observing/NRAOStudentSupportProgram

Description: like GBT program: up to $35k/yr for a student who is working with ALMA data. They do not need to come to NRAO.


(6) NRAO Pre-doc program (Mangum)
http://www.nrao.edu/students/pre-docs-research.shtml

Description: full support for students working on a thesis project using NRAO facilities to work at NRAO with an NRAO staff member.

Ramp-up: NRAO currently support 4 pre-docs. NAASC starts supporting 1 predoc in July 2012, and another in July 2013, for a steady state of 2 in any given year.

Other NRAO community support programs that will continue, but with no planned extra NAASC contribution:

(1) NRAO Graduate intern program (Mangum)
http://www.nrao.edu/students/grad-prog-in-id.shtml

Description: stipend, travel and housing support for early-year graduate student to visit NRAO to work on projects using NRAO facilities, for visits of a few weeks up to six month. This includes graduate summer students.

Ramp-up: NRAO supports ~8 student visits per year of varying lengths. No increase from NAASC in plan.
(2) REU Summer student program (Mangum)
http://www.nrao.edu/students/summer-students.shtml

Description: Undergraduates from U.S. institutions come to NRAO for 10-12 weeks over the summer to work with a staff member on a research project.

Ramp-up: NRAO hosts ~15 students each summer. Separately funded by NSF REU program. No increase from NAASC planned (could be increased when next REU proposal goes in).

Table 1: Existing and Planned Community Support Programs at NRAO

<table>
<thead>
<tr>
<th>Program</th>
<th>Current NRAO</th>
<th>NAASC (all $ are USD2008)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data reduction visits</td>
<td>?</td>
<td>0</td>
</tr>
<tr>
<td>Visitors program</td>
<td>~$70k/yr</td>
<td>8 person-months</td>
</tr>
<tr>
<td>Facility Postdocs</td>
<td>?</td>
<td>2 PDs</td>
</tr>
<tr>
<td>Jansky Fellows</td>
<td>12 total</td>
<td>1 Fellow</td>
</tr>
<tr>
<td>Student Observing Support program</td>
<td>~$320k/yr (~9 full awards)</td>
<td>0</td>
</tr>
<tr>
<td>Pre-doc</td>
<td>4 pre-docs</td>
<td>0</td>
</tr>
<tr>
<td>Graduate student interns</td>
<td>~8 visits/yr</td>
<td>0</td>
</tr>
<tr>
<td>REU summer students</td>
<td>~15 per summer</td>
<td>0</td>
</tr>
</tbody>
</table>