

DRAFT ANASAC QUESTIONNAIRE

One of the recommendations of the Taylor/McKee Report “Astronomy ...” was that new facilities of the NSF have data analysis support programs, as is now standard for NASA missions. NRAO is considering whether such a program should be established for ALMA, and has asked the ALMA North American Scientific Advisory Committee to conduct a survey of the astronomical community as part of assessment of need and support for such a program.

Your assistance in filling out the following questionnaire prepared by the ANASAC would be greatly appreciated.

As background for the some of the questions, we are including descriptions of three possible ALMA observing programs. (AI could make these up? ANASAC input?)

Example #1

Example #2

Example #3

What type of institution are you associated with?

- college or university
- national or private research laboratory/observatory

When did you receive your PhD?

- within the last 10 years
- between 10 and 20 years ago
- more than 20 years ago
- no PhD

What is your primary field of interest?

- Theory
- Solar
- Planetary
- Stellar
- Interstellar
- Galaxy
- Nearby galaxies
- High z universe/Cosmology

How would you rate your knowledge in the following areas?

- | | | | |
|----------------------|--------|--------------|--------|
| - radio astronomy | expert | intermediate | novice |
| - mm/submm astronomy | expert | intermediate | novice |
| - interferometry | expert | intermediate | novice |

In the last five years have you had a grant from (check all that apply):

- NSF
- NASA
- Internal
- none

How much grant support do you currently have?

- none
- < 50 k\$
- 50-100 k\$
- 100-200 k\$
- more than 200 k\$

How would the availability of ALMA data reduction funding affect your ability to do ALMA-related research?

- critical necessity
- very helpful
- helpful
- somewhat helpful
- no effect

What level of funding do you estimate is required for you to bring an ALMA observing project to publication?

- < 10 k\$
- 10-20 k\$
- 20-30 k\$
- 30-50 k\$
- more than 50 k\$

What is the minimum level of funding that makes the grant process worthwhile for you?

- none
- 5 k\$
- 10 k\$
- 20 k\$

- 30 k\$
- more than 30 k\$

Indicate your preference for the mechanism for moving the funds you would receive for data analysis support to your institution.

- directly from NSF
- from NSF via NRAO
- from NSF via some other third party.

Given the examples above for some typical ALMA observations, estimate the amount of ALMA observing time you reasonably expect to request annually.

- 0-10 hours
- 10-50
- 50-100
- over 100

Considering the size of typical ALMA datasets given in the examples above, how do you judge the adequacy of your computing resources?

- no problem today
- inadequate, but manageable with current research support
- will require support to obtain the required resources

In an ideal world, the establishment of an ALMA program of support for data analysis would be supported by new funds. However, if it were to be otherwise, negatively impacting the funds available in the NSF astronomy grants program, indicate your support for the new program.

- Strongly support program despite impact
- Supportive despite concern over effect
- Neutral
- Not supportive because of potential impact
- Opposed to the new program independent of any impact