

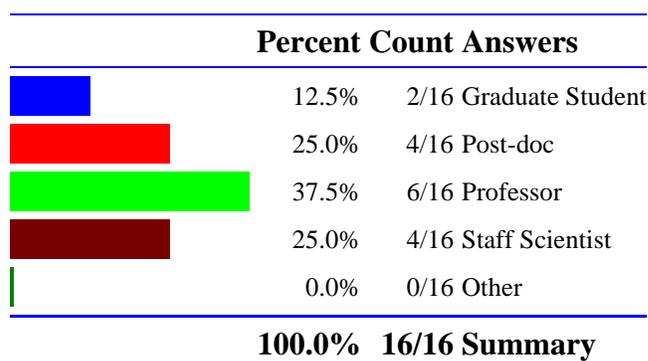
NIST Center for Neutron Research (NCNR)

Live Report

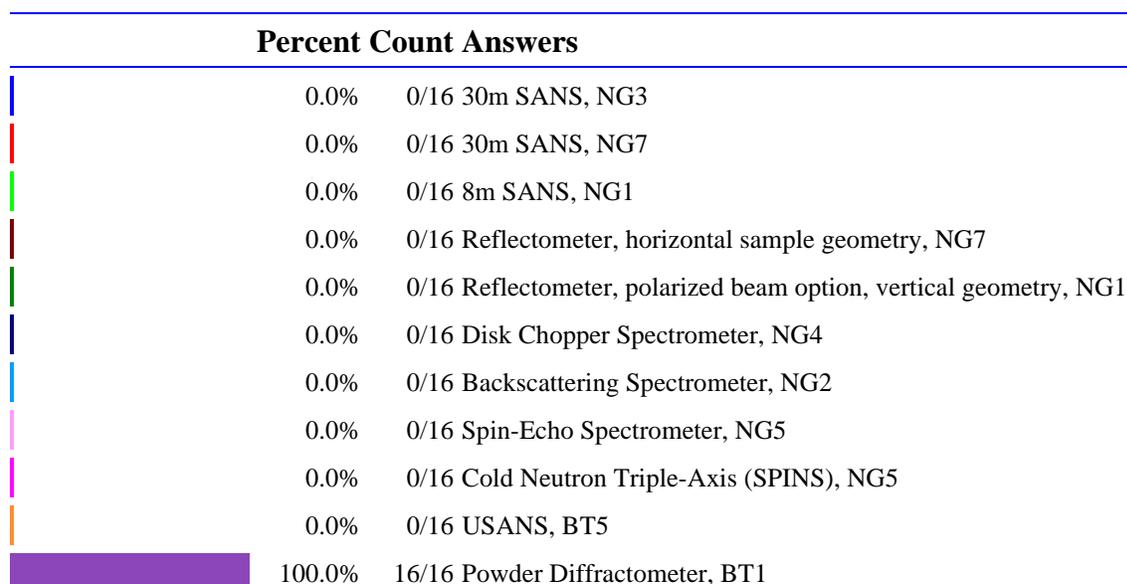
22-Feb-2004 8:06:26 AM

There are a total of **16** responses for the selected group from 15-Feb-2004 to 19-Feb-2004.

1. Your position



2. Your primary instrument (Please use this instrument as the basis for answers to sections 3 and 4)



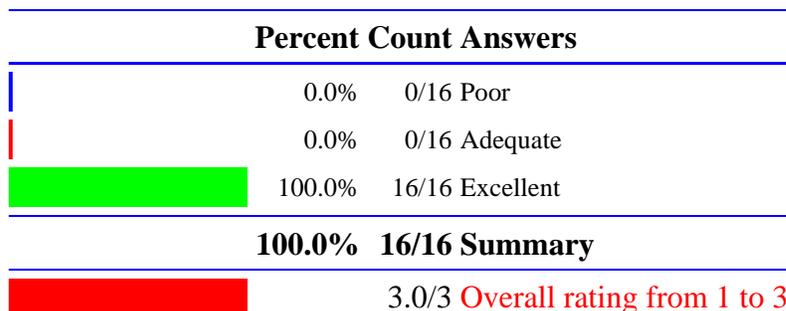
				0.0%	0/16 Residual Stress Diffractometer, BT8
				0.0%	0/16 Filter Analyzer Spectrometer (FANS), BT4
				0.0%	0/16 Triple-Axis Spectrometer with polarized beam option, BT2
				0.0%	0/16 Triple-Axis Spectrometer, BT9

100.0% 16/16 Summary

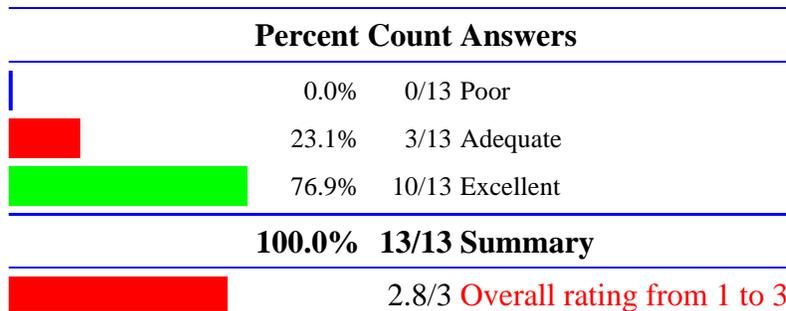
3. Please rate the proposal process

1) Ease of proposal submission		3.0/3	
2) Referee reports and PAC comments		2.8/3	
3) Proposal process fairness		2.9/3	
4) Scheduling process following approval		2.9/3	
Legends:			
<div style="display: flex; flex-direction: column; gap: 5px;"> <div>■ Poor</div> <div>■ Adequate</div> <div>■ Excellent</div> <div>■ Overall rating based on the scale from 1 to 3</div> </div>			

1) Ease of proposal submission

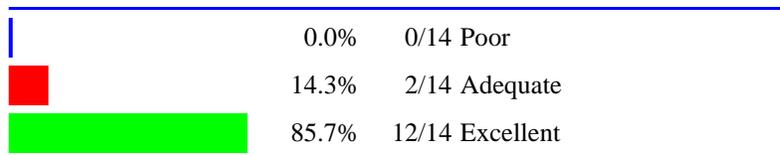


2) Referee reports and PAC comments

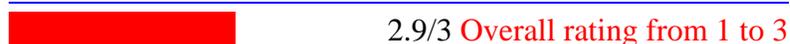


3) Proposal process fairness

Percent Count Answers

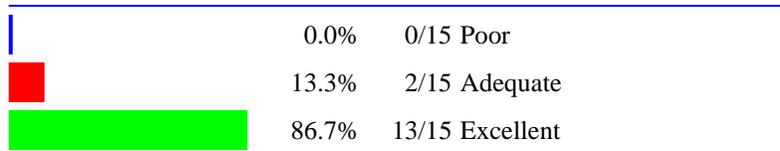


100.0% 14/14 Summary

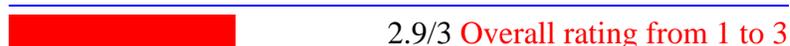


4) Scheduling process following approval

Percent Count Answers



100.0% 15/15 Summary



4. Please rate the effectiveness of the health physics training

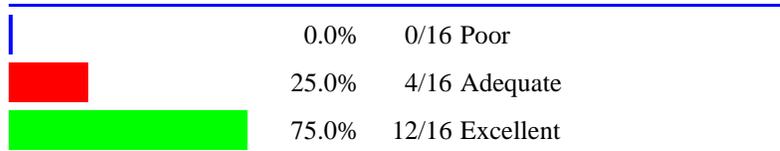
1) Relevance of computer based training content	2.8/3	
2) Efficiency of computer based training	2.9/3	
3) NCNR Health Physics tour	2.7/3	
4) Discussion/exam review with health physicist	2.6/3	
5) Refresher/Reindoctrination Training	2.6/3	

Legends:

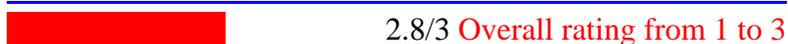
- Poor
- Adequate
- Excellent
- Overall rating based on the scale from 1 to 3

1) Relevance of computer based training content

Percent Count Answers

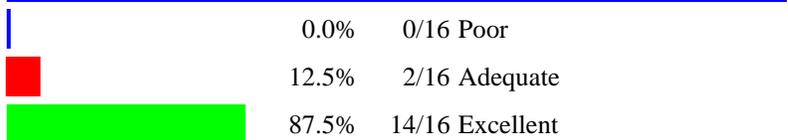


100.0% 16/16 Summary

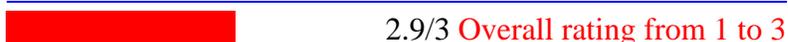


2) Efficiency of computer based training

Percent Count Answers

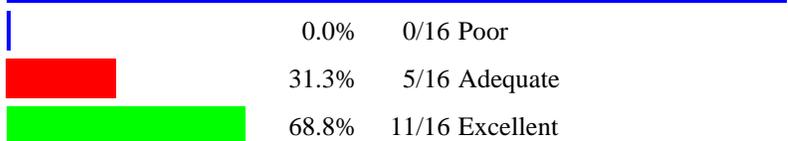


100.0% 16/16 Summary

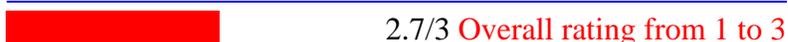


3) NCNR Health Physics tour

Percent Count Answers

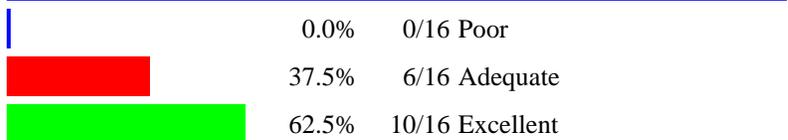


100.0% 16/16 Summary

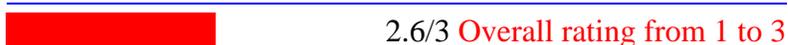


4) Discussion/exam review with health physicist

Percent Count Answers

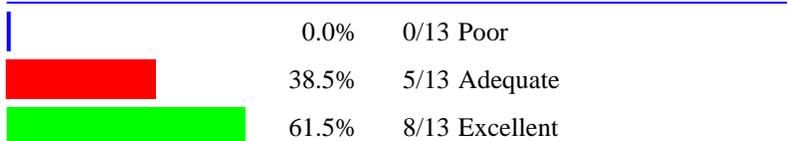


100.0% 16/16 Summary



5) Refresher/Reindoctrination Training

Percent Count Answers



100.0% 13/13 Summary

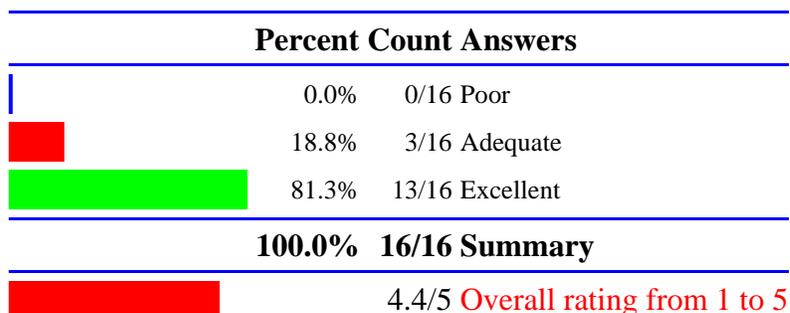


5. Please rate the user support facilities

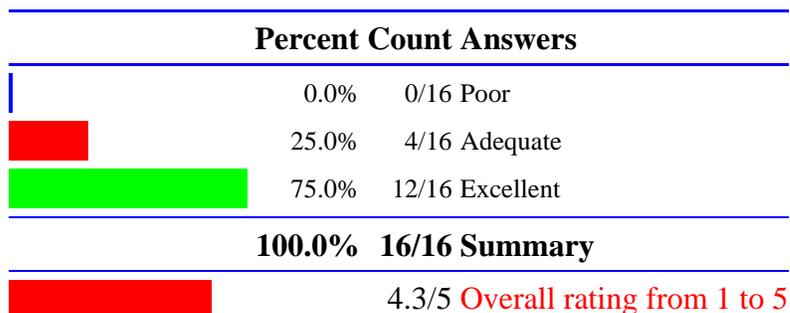
1) User Laboratory		
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facilities		4.4/5	
2) Tools and supplies in support labs		4.3/5	
3) User Offices		3.2/5	
4) NCNR computers for users		3.3/5	
5) Network access for user laptops		3.8/5	
6) Break/snack room facilities		2.4/5	
Legends:			
Poor			
Adequate			
Excellent			
Overall rating based on the scale from 1 to 5			

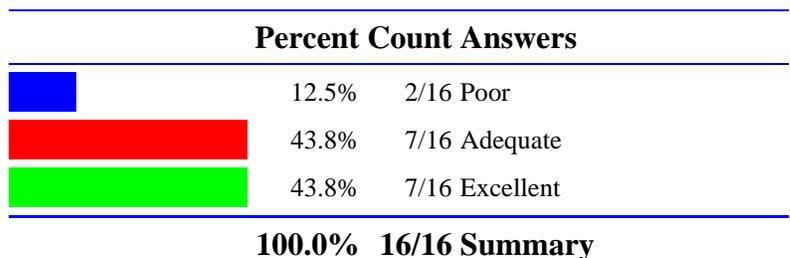
1) User Laboratory facilities

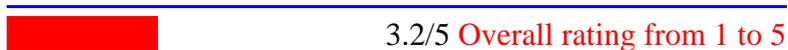


2) Tools and supplies in support labs

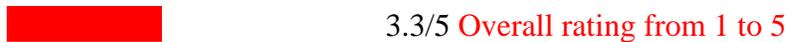
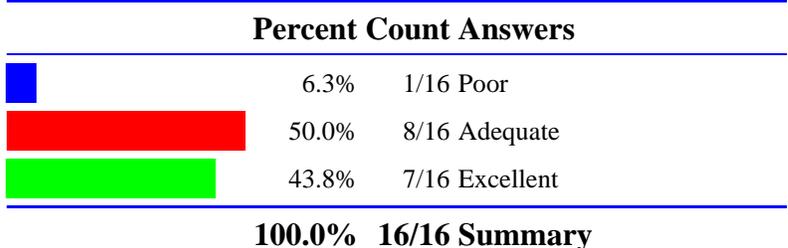


3) User Offices

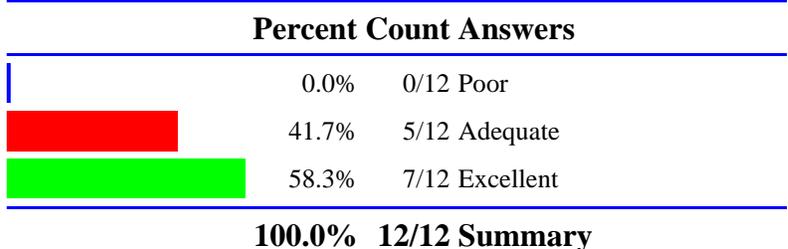




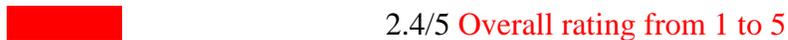
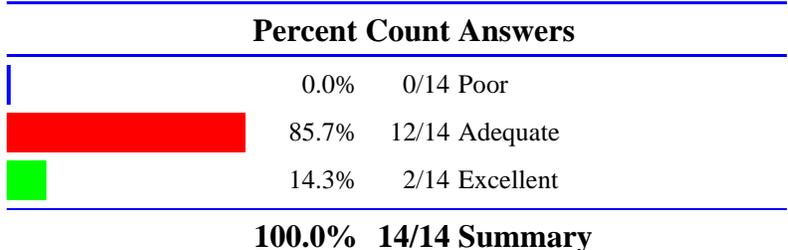
4) NCNR computers for users



5) Network access for user laptops



6) Break/snack room facilities

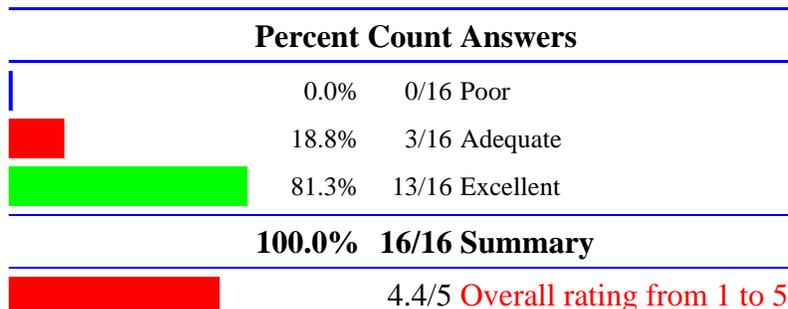


6. Please rate the following aspects of sample environments

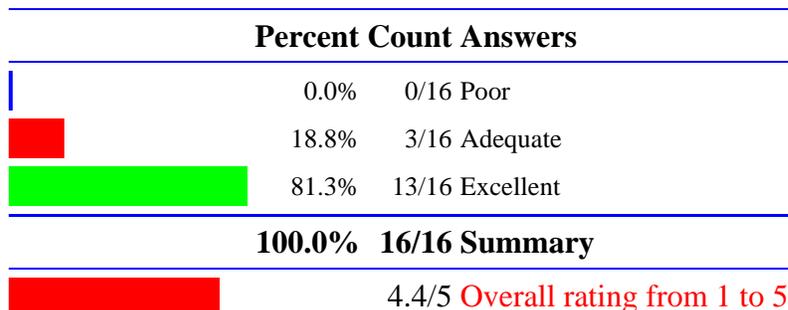
1) Availability of different sample environments		4.4/5		
2) Quality and reliability of the equipment		4.4/5		
3) Support from sample environment personnel		4.8/5		
Legends:				
Poor				
Adequate				
Excellent				

 Overall rating based on the scale from 1 to 5

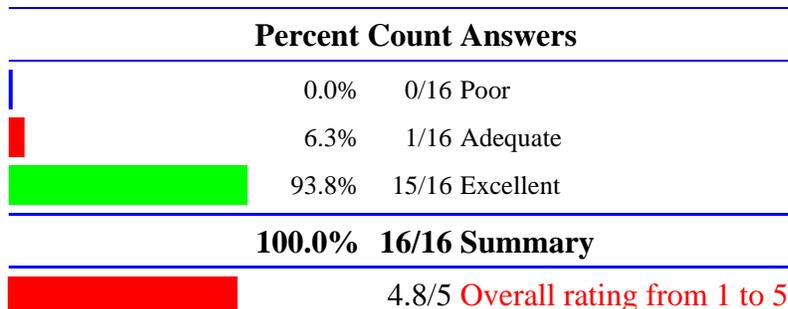
1) Availability of different sample environments



2) Quality and reliability of the equipment



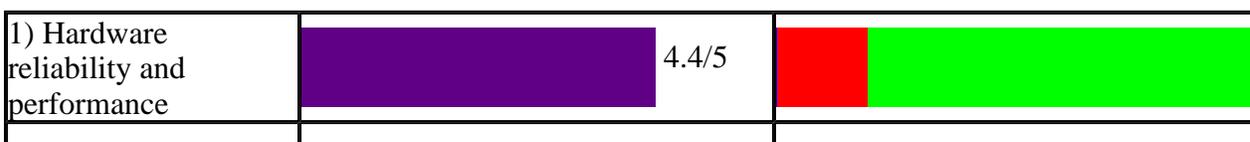
3) Support from sample environment personnel



7. What other sample environments would you research benefit from

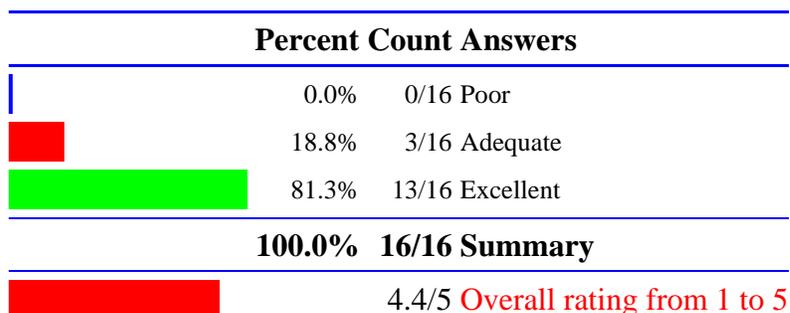
- o [increase the number of detectors \(compared to 32 at present\) could be helpful](#)
- o [Variable oxygen partial pressure](#)
- o [low temp. cryostat](#)

8. Please rate your primary NCNR instrument

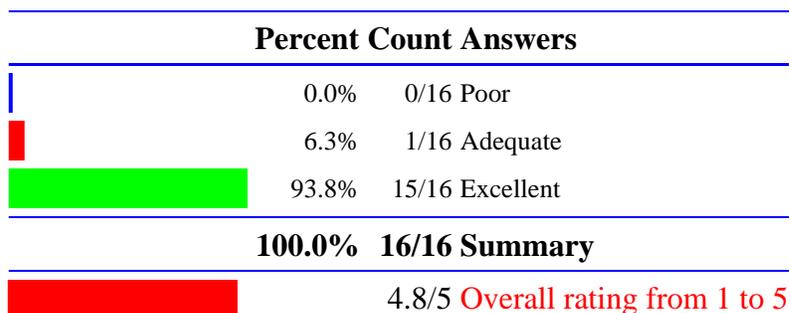


2) Data acquisition software		4.8/5		
3) Support from NCNR staff		5.0/5		
Legends:				
 Poor				
 Adequate				
 Excellent				
 Overall rating based on the scale from 1 to 5				

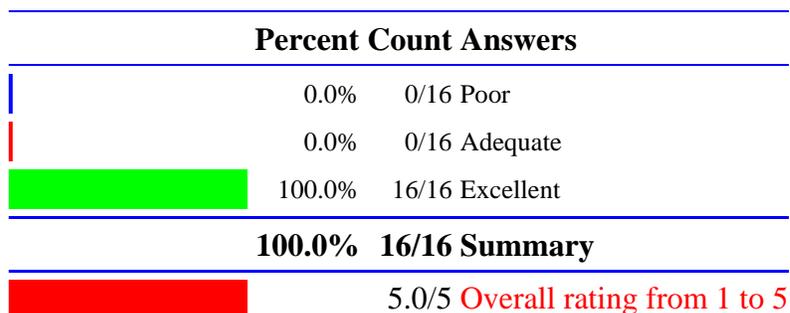
1) Hardware reliability and performance



2) Data acquisition software



3) Support from NCNR staff

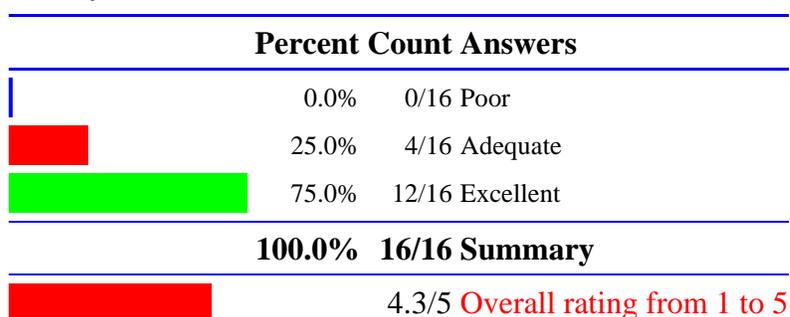


9. Please rate data analysis and visualization software at the NCNR

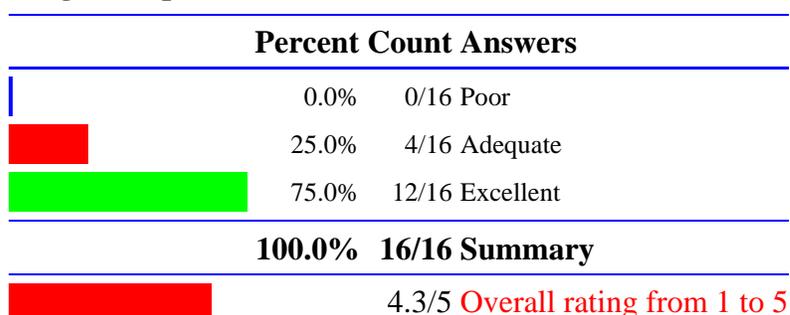
1) Quality of software		
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		4.3/5		
2) Range of capabilities		4.3/5		
3) Assistance from NCNR staff		4.8/5		
Legends:				
 Poor				
 Adequate				
 Excellent				
 Overall rating based on the scale from 1 to 5				

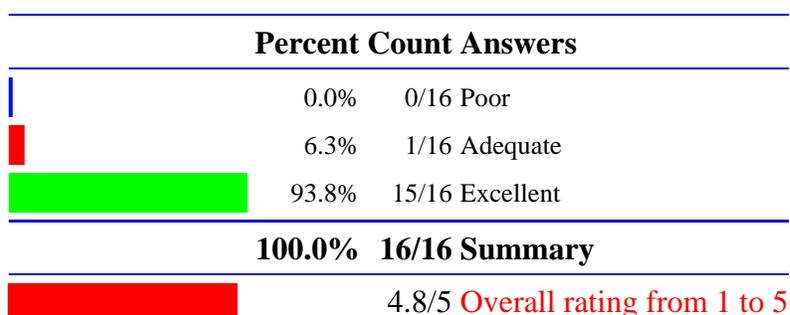
1) Quality of software



2) Range of capabilities



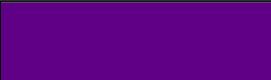
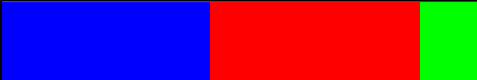
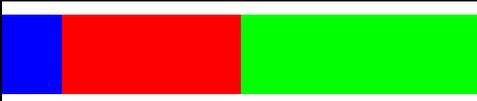
3) Assistance from NCNR staff



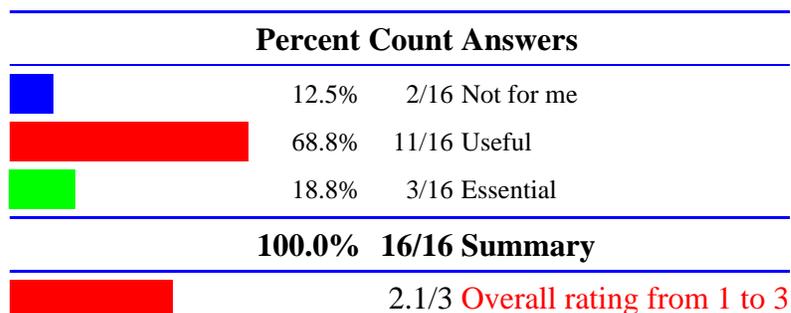
10. What other data analysis tools would your research benefit from

- o [Brian Toby and the rest of the crystallography community participate in an excellent shareware website that has just about any data analysis tool needed.](#)

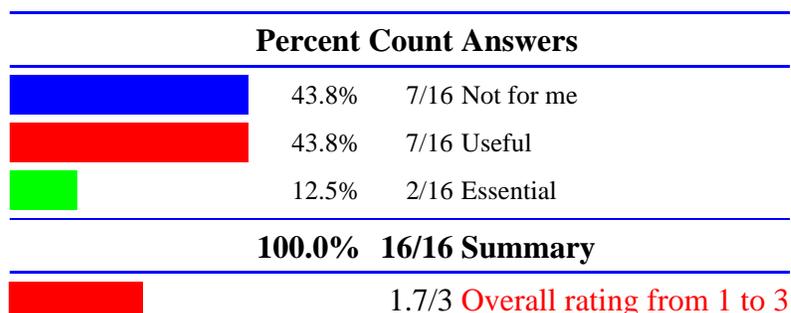
11. Please rate to what extent these forms of remote access (would) benefit your research program

1) Remote viewing of instrument status and data		2.1/3	
2) Remote control of instrument		1.7/3	
3) Mail in samples for simple, well defined measurements		2.4/3	
Legends:			
 Not for me			
 Useful			
 Essential			
 Overall rating based on the scale from 1 to 3			

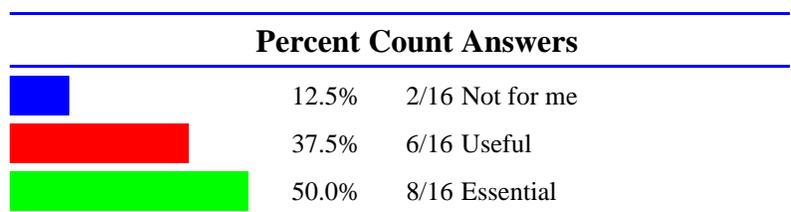
1) Remote viewing of instrument status and data



2) Remote control of instrument



3) Mail in samples for simple, well defined measurements



100.0% 16/16 Summary

2.4/3 Overall rating from 1 to 3

12. Please list any neutron instruments not currently at the NCNR that would benefit your research program or the community in general.

- [Single crystal diffractometer](#)
- [Higher resolution on the BT-1 diffractometer would be greatly beneficial.](#)

13. Are there any other comments or suggestions about the NCNR that you would like to add?

- [My experience at the NCNR is the best I have had in comparison other user facilities through out the country \(which in general has been from good-very good\). The scientific output from the neutron reactor as I have seen it is exceptionally good.](#)
- [I use several of the national neutron facilities and, although some of the other facilities in principle have more extensive capabilities, NCNR is by far my first choice because of the excellent support that the staff provide and the reliability of the instrumentation.](#)
- [The NCNR is the only place on the east coast with a constant wavelength neutron source and is essential to my research on complex metal oxides and the crystallography community in general. User time is apportioned in a reasonable process, given the recent cuts in funding to NIST and the NCNR. Furthermore, the outreach program through the University of Maryland and the summer school on neutron scattering are invaluable forums for introducing new users to the instrumentation and encouraging them to take advantage of the unique properties of neutron radiation. It would severely hurt the advancement of both applied and basic sciences \(already affected by the closure of the HFBR at Brookhaven\) should this facility not be supported in full.](#)
- [Decreased funding to the NCNR will significantly impact U.S. materials science research capabilities in a negative way, and at a time when efforts abroad are actually being built up. The U.S. needs to maintain and enhance our existing cutting-edge materials research capabilities, not cripple them with funding cuts. The characterization and fundamental understanding of materials with exploitable properties remains the "bottom of the food chain" for the development of advanced technologies and for realizing the dreams of future applications.](#)

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