

APS END OF EXPERIMENT FORM

EEF Created date: 02/02/2018

Beamline: 13-BM-C	Experiment ID: 124226
Exp. Start Date: 30-JAN-18	Exp. End Date: 01-FEB-18
Spokesperson: Xu, Huifang	Experiment Host: ZHANG, DONGZHOU
Form Filled Out By: Xu, Huifang	Institution: University of Wisconsin-Madison
Experiment Title: In-situ phase transition study of high temperature plagioclase with incommensurately modulated structure	

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:n/a

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:n/a

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat: selected

No

User Comments: Higher heating and more stable temperature.

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would

you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

User Comments: This was our first time to use in-situ heating single-crystal XRD. We need to learn and gain more experience.

APS END OF EXPERIMENT FORM

EEF Created date: 03/02/2018

Beamline: 13-BM-C

Experiment ID: 124405

Exp. Start Date: 01-FEB-18

Exp. End Date: 02-FEB-18

Spokesperson: Ma, Lu

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Ma, Lu

Institution: Argonne National Laboratory

Experiment Title: Study the mechanism of preferred orientated FeF₃ cathode in Li-ion batteries using in-situ XRD

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:n/a

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 02/05/2018

Beamline: 13-BM-C

Experiment ID: 124406

Exp. Start Date: 02-FEB-18

Exp. End Date:

Spokesperson: Zeng, Xiaoqiao

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Tan, Guoqiang

Institution: Argonne National Laboratory

Experiment Title: In Situ X-Ray Diffraction Studies on Size Effect on Catalysts Performance for Lithium-Oxygen Battery

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 04/25/2018

Beamline: 13-BM-C

Experiment ID: 124606

Exp. Start Date: 06-FEB-18

Exp. End Date: 08-FEB-18

Spokesperson: Tschauner, Oliver

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Tschauner, Oliver

Institution: University of Nevada, Las Vegas

Experiment Title: Isothermal compression and phase transitions in highly energetic materials

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes

No: selected

User Comments: these samples give too low signal for a BM-station. We suspected so, but we wanted to try.

The beamline is excellent for SXD in DACs but flux is not sufficient for low symmetric organics.

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would

you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

User Comments: Great and competent support!

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

User Comments: great support!

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 02/16/2018

Beamline: 13-BM-C	Experiment ID: 125001
Exp. Start Date: 13-FEB-18	Exp. End Date: 15-FEB-18
Spokesperson: Wang, Fei	Experiment Host: ZHANG, DONGZHOU
Form Filled Out By: Wang, Fei	Institution: Northwestern University
Experiment Title: Structure of hydrous wadsleyite and ringwoodite at high pressures and temperatures	

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

User Comments: Our run on 13BMC 13-14 Feb 2018 was excellent. Dongzhou had the beam setup promptly in the morning, and we managed to collect structure data at 5 GPa steps up to 40 GPa in two different cells, which was our goal. We expect two publications to eventually come out of this work, which should be continued at high temperature with ~6-8 more shifts. Dongzhou was extremely helpful. The software and controls work perfectly. It is really important to collect zero pressure data before loading, and fortunately Sergey was able to accommodate our needs during the shifts (to load two cells in neon after zero pressure measurements) despite also running BMD at the same time. In the future, we hope to continue being able to gas load during BMC shifts by giving Sergey enough warning ahead of time. Thanks to everyone at GSECARS for another excellent experience. The PX² Program on 13BMC is meeting or exceeding all our expectations.

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add

suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 02/13/2018

Beamline: 13-BM-C

Experiment ID: 125002

Exp. Start Date: 10-FEB-18

Exp. End Date: 12-FEB-18

Spokesperson: Berryman, Eleanor

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Berryman, Eleanor

Institution: Princeton University

Experiment Title: High-pressure single-crystal X-ray diffraction of synthetic tourmaline

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:2

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:3

Data analysis software at the beamline:n/a

Detectors:3

Post-experiment arrangements for shipping and handling:n/a

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

User Comments: It would be useful if there was a general troubleshooting guide available at the beamline. Users are often working late at night when beamline scientists are asleep. We are loathed to wake them up for help if it something we could solve ourselves. For example, during my beamtime, I accidentally closed one of the software windows. I could not figure out how to reopen it and had to call the beamline scientist. I think this is something that could appear in a general troubleshooting guidebook.

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

User Comments: I had problems with the microscopes in the DAC lab. The high magnification microscopes had poor lighting, making it impossible to see flecks of dust on the diamond culets. Dust was only visible using the low magnification microscope. I had to hope between the different microscopes in order to clean and load my DAC. This was rather a nuisance. I also found the DAC lab generally messy. This is probably because of users not cleaning up after themselves, but it needs to be better managed somehow.

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

User Comments: I managed to crash the Scan & View software by trying to scan with motor 3 instead of motor 33. It would be great if this sort of error was protected against.

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

User Comments: GSECARS is the only sector I have used at APS, so I cannot compare it to other sectors. It is always a great experience though!

APS END OF EXPERIMENT FORM

EEF Created date: 02/27/2018

Beamline: 13-BM-C

Experiment ID: 125087

Exp. Start Date: 15-FEB-18

Exp. End Date: 17-FEB-18

Spokesperson: Wenz, Michelle

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Wenz, Michelle

Institution: Northwestern University

Experiment Title: Super-deep diamond inclusions unlock the hydration state of Earth's deep mantle

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :2

Pre-arrival shipping and handling:n/a

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:2

Detectors:2

Post-experiment arrangements for shipping and handling:n/a

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

User Comments: The GSECARS staff was very helpful and quick to respond to the questions that arose before beamtime.

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

User Comments: My experience at GSECARS was excellent. The staff was extremely helpful.

APS END OF EXPERIMENT FORM

EEF Created date: 02/27/2018

Beamline: 13-BM-C

Experiment ID: 125106

Exp. Start Date: 17-FEB-18

Exp. End Date: 19-FEB-18

Spokesperson: Wenz, Michelle

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Wenz, Michelle

Institution: Northwestern University

Experiment Title: Diffraction of super-deep diamond inclusions

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :2

Pre-arrival shipping and handling:n/a

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:2

Detectors:1

Post-experiment arrangements for shipping and handling:n/a

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

User Comments: GSECAR beamline scientists were extremely helpful and friendly.

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

User Comments: GSECARS staff was quick to respond to questions that came up before and after our beamtime.

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

User Comments: My experience overall was excellent. The staff was extremely helpful.

APS END OF EXPERIMENT FORM

EEF Created date: 02/23/2018

Beamline: 13-BM-C

Experiment ID: 125280

Exp. Start Date: 21-FEB-18

Exp. End Date: 23-FEB-18

Spokesperson: Lai, Xiaojing

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Lai, Xiaojing

Institution: University of Hawaii at Manoa

Experiment Title: Thermal equation of state of Fe₃Si and FeSi by single crystal X-ray diffraction

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:n/a

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:n/a

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 03/21/2018

Beamline: 13-BM-C

Experiment ID: 125460

Exp. Start Date: 23-FEB-18

Exp. End Date: 26-FEB-18

Spokesperson: Hu, Qingyang (Hypnos)

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Hu, Qingyang (Hypnos)

Institution: Center for High Pressure Science and
Technology Advanced Research (HPSTAR)

Experiment Title: Synthesis and x-ray diffraction study of (Mg,Fe) peroxides at lower mantle conditions

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :n/a

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:n/a

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes

No: selected

User Comments: I didn't contact GSECARS staff prior to beamtime.

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

User Comments: Dongzhou is awesome.

APS END OF EXPERIMENT FORM

EEF Created date: 07/08/2018

Beamline: 13-BM-C

Experiment ID: 125684

Exp. Start Date: 03-MAR-18

Exp. End Date: 05-MAR-18

Spokesperson: Gao, Bo

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Gao, Bo

Institution: Center for High Pressure Science and
Technology Advanced Research (HPSTAR)

Experiment Title: Structural study of type-II Weyl semimetal MoP2 and WP2 under high pressure

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 03/14/2018

Beamline: 13-BM-C

Experiment ID: 125868

Exp. Start Date: 10-MAR-18

Exp. End Date: 12-MAR-18

Spokesperson: Wang, Yonggang

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Wang, Yonggang

Institution: Center for High Pressure Science and
Technology Advanced Research (HPSTAR)

Experiment Title: Single-crystal XRD studies on the high-pressure polymorphs of superconductive FePS₃ and FePSe₃.

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied; 4-Unsatisfied; 5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 03/15/2018

Beamline: 13-BM-C

Experiment ID: 125869

Exp. Start Date: 08-MAR-18

Exp. End Date: 10-MAR-18

Spokesperson: Wang, Bihan

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Wang, Bihan

Institution: Center for High Pressure Science and
Technology Advanced Research (HPSTAR)

Experiment Title: The behavior of local electrons in electride at high pressure

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 03/15/2018

Beamline: 13-BM-C

Experiment ID: 126122

Exp. Start Date: 13-MAR-18

Exp. End Date: 15-MAR-18

Spokesperson: Yuan, Hongsheng

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Yuan, Hongsheng

Institution: Center for High Pressure Science and
Technology Advanced Research (HPSTAR)

Experiment Title: Effect of Al on the phase boundary of bridgmanite to postperovskite and their equations of state in the lower mantle

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :n/a

Pre-arrival shipping and handling:2

Support from the beamline staff:2

X-ray optics at the beamline:2

Control and data-acquisition software at the beamline:2

Data analysis software at the beamline:2

Detectors:2

Post-experiment arrangements for shipping and handling:n/a

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

User Comments: Maybe a fast way to change the X-ray energy.

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes

No: selected

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent

Above average: selected

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 03/18/2018

Beamline: 13-BM-C

Experiment ID: 126225

Exp. Start Date: 15-MAR-18

Exp. End Date:

Spokesperson: Liu, Feng Liang

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Liu, Feng Liang

Institution: Center for High Pressure Science and
Technology Advanced Research (HPSTAR)

Experiment Title: Lattice symmetry studies of type II dirac semimetal PtSe₂

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied; 4-Unsatisfied; 5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:n/a

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:n/a

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 03/27/2018

Beamline: 13-BM-C

Experiment ID: 126226

Exp. Start Date: 17-MAR-18

Exp. End Date: 19-MAR-18

Spokesperson: Yang, Wenge

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Yang, Wenge

Institution: Carnegie Institution of Washington

Experiment Title: structure evolution of oxygen rich Alkali metal oxide under high pressure and temperature

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 04/25/2018

Beamline: 13-BM-C

Experiment ID: 126386

Exp. Start Date: 19-MAR-18

Exp. End Date: 22-MAR-18

Spokesperson: Yong, Tommy

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Yong, Tommy

Institution: University of Hawaii at Manoa

Experiment Title: Constraining water release from amphiboles in subduction zones

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:2

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 03/24/2018

Beamline: 13-BM-C

Experiment ID: 126416

Exp. Start Date: 22-MAR-18

Exp. End Date:

Spokesperson: Chornkrathok, Sasithorn

Experiment Host: ZHANG, DONGZHOU

Form Filled Out By: Chornkrathok, Sasithorn

Institution: University of Hawaii at Manoa

Experiment Title: Structure and behavior of schreibersite Ni end-member, Ni₃P, at deep earth conditions.

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

User Comments: The beamline performance is very good.

I have to prepare my sample preparation in order to get better data.

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would

you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 06/04/2018

Beamline: 13-BM-C

Experiment ID: 129400

Exp. Start Date: 01-JUN-18

Exp. End Date: 03-JUN-18

Spokesperson: Zeng, Xiaoqiao

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Zeng, Xiaoqiao

Institution: Argonne National Laboratory

Experiment Title: In Situ X-Ray Diffraction Studies on Size Effect on Catalysts Performance for Lithium-Oxygen Battery

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:2

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 06/16/2018

Beamline: 13-BM-C

Experiment ID: 129611

Exp. Start Date: 06-JUN-18

Exp. End Date: 08-JUN-18

Spokesperson: Xie, Weiwei

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Xie, Weiwei

Institution: Louisiana State University

Experiment Title: Pressure Effects on the Crystal Structure of Trigonal 122-type AMn₂Sb₂ (A=Ca, Sr)

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

User Comments: DAC lab is wonderful

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 07/27/2018

Beamline: 13-BM-C

Experiment ID: 129947

Exp. Start Date: 12-JUN-18

Exp. End Date: 13-JUN-18

Spokesperson: Tschauner, Oliver

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Tschauner, Oliver

Institution: University of Nevada, Las Vegas

Experiment Title: single crystal microdiffraction of early condensate phases in meteorites

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

User Comments: better on stage microscope system, better illumination, straightforward illumination control.

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 07/08/2018

Beamline: 13-BM-C

Experiment ID: 130050

Exp. Start Date: 14-JUN-18

Exp. End Date: 17-JUN-18

Spokesperson: Gao, Bo

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Gou, Huiyang

Institution: Center for High Pressure Science and
Technology Advanced Research (HPSTAR)

Experiment Title: Pressure-induced structural transitions in quasi-two-dimensional honeycomb compound SrRu2O6

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 07/08/2018

Beamline: 13-BM-C

Experiment ID: 130109

Exp. Start Date: 15-JUN-18

Exp. End Date: 18-JUN-18

Spokesperson: Gou, Huiyang

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Gou, Huiyang

Institution: Center for High Pressure Science and
Technology Advanced Research (HPSTAR)

Experiment Title: Electride materials under pressure

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 06/21/2018

Beamline: 13-BM-C	Experiment ID: 130172
Exp. Start Date: 19-JUN-18	Exp. End Date: 21-JUN-18
Spokesperson: Liu, Yingxin	Experiment Host: PRAKAPENKA, VITALI B.
Form Filled Out By: Liu, Yingxin	Institution: University of Hawaii at Manoa
Experiment Title: High temperature and high pressure phase transitions of albite and anorthite studied by single crystal X-ray diffraction	

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :2

Pre-arrival shipping and handling:2

Support from the beamline staff:1

X-ray optics at the beamline:2

Control and data-acquisition software at the beamline:2

Data analysis software at the beamline:2

Detectors:2

Post-experiment arrangements for shipping and handling:2

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes

No: selected

User Comments: There is an accident beam lost 2 hours before my beamtime ending, so I did not have sufficient time to finish my last experiment.

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 06/25/2018

Beamline: 13-BM-C

Experiment ID: 130327

Exp. Start Date: 21-JUN-18

Exp. End Date:

Spokesperson: Yong, Tommy

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Yong, Tommy

Institution: University of Hawaii at Manoa

Experiment Title: Constraining water release from amphiboles in subduction zones

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 06/25/2018

Beamline: 13-BM-C

Experiment ID: 130328

Exp. Start Date: 21-JUN-18

Exp. End Date:

Spokesperson: Chornkrathok, Sasithorn

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Chornkrathok, Sasithorn

Institution: University of Hawaii at Manoa

Experiment Title: Structure and behavior of schreibersite Ni end-member, Ni₃P, at deep earth conditions.

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :2

Pre-arrival shipping and handling:n/a

Support from the beamline staff:1

X-ray optics at the beamline:2

Control and data-acquisition software at the beamline:2

Data analysis software at the beamline:2

Detectors:2

Post-experiment arrangements for shipping and handling:2

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent

Above average: selected

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 06/30/2018

Beamline: 13-BM-C

Experiment ID: 130504

Exp. Start Date: 27-JUN-18

Exp. End Date: 29-JUN-18

Spokesperson: Kim, Jaeyong

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Kim, Jaeyong

Institution: Hanyang University

Experiment Title: Solid state reaction and hydrogenation of FA4PbBr6 Perovskites, alkali and metal alloys in DAC

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

User Comments: GSECARS staffs are excellent and much was helpful.

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

User Comments: Training by Dongzhou was very useful. Thank you.

User Comments: Training by Dongzhou was very useful. Thank you.

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

User Comments: Support of the Gas Loading System was very prompt and excellent. In fact, supporting from Sergey was very impressive and thank his excellency.

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes

No: selected

User Comments: I wish I have more beamtime due to the preparation of sample and induced by breaking diamonds.

User Comments: I wish I have more beamtime due to the preparation of sample and induced by breaking diamonds.

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 07/05/2018

Beamline: 13-BM-C

Experiment ID: 130572

Exp. Start Date: 29-JUN-18

Exp. End Date: 30-JUN-18

Spokesperson: Yu, Zhenhai

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Yu, Zhenhai

Institution: ShanghaiTech University

Experiment Title: High pressure single crystal XRD study on structural phase transition in superconducting MnP

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:2

Detectors:2

Post-experiment arrangements for shipping and handling:2

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes

No: selected

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 07/02/2018

Beamline: 13-BM-C

Experiment ID: 130644

Exp. Start Date: 29-JUN-18

Exp. End Date:

Spokesperson: Hu, Qingyang (Hypnos)

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Hu, Qingyang (Hypnos)

Institution: Center for High Pressure Science and
Technology Advanced Research (HPSTAR)

Experiment Title: X-ray diffraction study of pyrite-(Mg,Fe)O₂ at megabar pressure and high temperature

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 07/05/2018

Beamline: 13-BM-C

Experiment ID: 130709

Exp. Start Date: 02-JUL-18

Exp. End Date:

Spokesperson: Bi, Xuanxuan

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Bi, Xuanxuan

Institution: Argonne National Laboratory

Experiment Title: In Situ X-Ray Diffraction Studies on the Size Effect of Nano-Tin Anode for Rechargeable Batteries

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

User Comments: High energy x-ray diffraction

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 07/09/2018

Beamline: 13-BM-C

Experiment ID: 130746

Exp. Start Date: 07-JUL-18

Exp. End Date: 09-JUL-18

Spokesperson: Wang, Fei

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Wang, Fei

Institution: Northwestern University

Experiment Title: Structure of hydrous wadsleyite and ringwoodite at high pressures and temperatures

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

User Comments: Our run on 13BMC 7-9 July 2018 was excellent. Dongzhou had the beam setup promptly in the morning, and help us managed to collect data from two samples. Dongzhou was extremely helpful. The software and controls work perfectly. Sergey was able to accommodate our needs during the shifts (to load cell in neon after zero pressure measurements) despite also running BMD at the same time. Thanks to everyone at GSECARS for another excellent experience.

APS END OF EXPERIMENT FORM

EEF Created date: 07/14/2018

Beamline: 13-BM-C

Experiment ID: 130986

Exp. Start Date: 10-JUL-18

Exp. End Date:

Spokesperson: Liu, Yungui

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Qin, Fei

Institution: China University of Geosciences

Experiment Title: P-V-T equation of state of single-crystal phase Egg

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:n/a

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:2

Post-experiment arrangements for shipping and handling:n/a

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat: selected

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent

Above average: selected

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 07/14/2018

Beamline: 13-BM-C

Experiment ID: 130987

Exp. Start Date: 11-JUL-18

Exp. End Date:

Spokesperson: Qin, Fei

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Qin, Fei

Institution: Peking University

Experiment Title: P-V-T equations of state in (Ca,Mn)CO₃

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:n/a

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:n/a

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes

No: selected

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat: selected

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent

Above average: selected

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 07/24/2018

Beamline: 13-BM-C

Experiment ID: 131337

Exp. Start Date: 18-JUL-18

Exp. End Date:

Spokesperson: Wang, Yonggang

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Wang, Yonggang

Institution: Center for High Pressure Science and
Technology Advanced Research (HPSTAR)

Experiment Title: XRD studies on the pressure-driven cooperative spin-crossover in two-dimensional Fe-based semiconductors.

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would

you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 07/24/2018

Beamline: 13-BM-C

Experiment ID: 131338

Exp. Start Date: 21-JUL-18

Exp. End Date:

Spokesperson: Liu, Xuqiang

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Wang, Yonggang

Institution: Center for High Pressure Science and
Technology Advanced Research (HPSTAR)

Experiment Title: The polymorphism study of Ti-doped In₂O₃ and InOF under high pressure

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 10/30/2018

Beamline: 13-BM-C

Experiment ID: 134755

Exp. Start Date: 27-OCT-18

Exp. End Date: 29-OCT-18

Spokesperson: Chornkrathok, Sasithorn

Experiment Host: PRAKAPENKA, VITALI B.

Form Filled Out By: Chornkrathok, Sasithorn

Institution: University of Hawaii at Manoa

Experiment Title: Structure and behavior of schreibersite Ni end-member, Ni₃P, at deep earth conditions.

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:n/a

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes: selected

No

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Not applicable

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied

APS END OF EXPERIMENT FORM

EEF Created date: 11/05/2018

Beamline: 13-BM-C	Experiment ID: 135060
Exp. Start Date: 02-NOV-18	Exp. End Date:
Spokesperson: Wenz, Michelle	Experiment Host: PRAKAPENKA, VITALI B.
Form Filled Out By: Thompson, Elizabeth	Institution: Northwestern University
Experiment Title: Mineral inclusions in super-deep diamonds	

Question 1: Please rate your satisfaction with the following aspects of this experiment. (mandatory)

Add comments for any especially positive or negative experience. If the item doesn't apply to you, choose n/a.

1-Highly Satisfied; 2-Satisfied; 3-Neither satisfied nor unsatisfied;4-Unsatisfied;5-Very unsatisfied;

Available choices and answer(s): Pre-arrival support from the User Office :1

Pre-arrival shipping and handling:1

Support from the beamline staff:1

X-ray optics at the beamline:1

Control and data-acquisition software at the beamline:1

Data analysis software at the beamline:1

Detectors:1

Post-experiment arrangements for shipping and handling:1

User Comments: Everything went smoothly, and in particular, Dongzhou is a very helpful and thoughtful beamline scientist. He spent a lot of time getting everything nicely aligned, explaining any updates which had been made, and ensuring data collection was running well despite it being a weekend.

Question 2: Was the beamline performance satisfactory? What improvements would you like to see?

Available choices and answer(s): Yes: selected

No

Question 3: Were the capabilities of the ancillary laboratories sufficient (Chemistry Lab, Laser Lab, DAC Lab, LVP Lab) ? What improvements would you like to see?

Please be specific which facility your comments pertain to.

Available choices and answer(s): Yes

No: selected

Question 4: Were available sample environments suitable? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 5: Did data acquisition and control software operate satisfactorily? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

User Comments: It would be nice if the adl names and window names were the same. It would help users find the appropriate window faster (e.g., instead of NDOverlayN.adl and 13B<CPS1:Over1:1: - they could just both be called NDOverlayN)

Question 6: Were the initial data reduction, evaluation and analysis sufficient? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 7: Were you satisfied with the support provided by GSECARS staff? What improvements would you like to see?

Available choices and answer(s): Yes: selected

Somewhat

No

Question 8: Were you satisfied with the quality of training (safety training, sector orientation, experiment-specific training)? What improvements would you like to see?

Please be specific which type of training your comments pertain to.

Available choices and answer(s): Yes: selected

Somewhat

No

Question 9: Did you contact GSECARS staff prior to your beamtime and did you have your questions and concerns adequately answered?

Available choices and answer(s): Yes: selected

No

Question 10: If you used the Gas Loading System, were you satisfied with the results and the level of user support? What improvements would you like to see?

Available choices and answer(s): Yes

Somewhat

No

Not applicable: selected

Question 11: Did you have sufficient beamtime to carry out your experiment for this visit ? If no, please comment on why.

Available choices and answer(s): Yes: selected

No

User Comments: More beamtime might be needed for this project despite making good progress.

Question 12: How would you rate your overall experience at GSECARS. Please comment and add suggestions for improvement.

Available choices and answer(s): Excellent: selected

Above average

Satisfied

Several areas need improvement

Dissatisfied