

## PROJECT INFORMATION

<b>Lead Principal Investigator</b>	Meghan Miller
<b>Institute</b>	UNAVCO
<b>Project Title / Grant #</b>	UNAVCO Community and Facility Support: Geodesy Advancing Earth Science Research (0735156)
<b>NSF Program and Manager</b>	NSFGEOEAR, Dr. Russell Kelz
<b>CPS Project Manager</b>	Faustine Mercer and Steve Hastings (Barrow)

## LOGISTICS SUMMARY

This grant continues a Cooperative Agreement first operating from 2003 to 2008 under grant 0321760. Via this funding mechanism, UNAVCO provides a variety of GPS support to NSF-funded scientists, including maintenance of GPS base stations in Alaska at Toolik Field Station, Barrow and Atqasuk on the North Slope. UNAVCO also maintains a base station and differential GPS survey equipment at Summit Station, Greenland. In addition to maintaining the base stations, GPS equipment is provided for making field measurements.

From January 2008 through December 2012, UNAVCO will continue to operate and maintain the GPS base stations. UNAVCO technical staff will visit Summit Station and Toolik Field Station each year if those base stations require technical intervention/maintenance.

For each year of the grant a UNAVCO researcher will make a one-week site visit to Barrow to calibrate and maintain the installations and to train on-site staff and researchers. In 2010, a UNAVCO technician will spend several days in Barrow in late May. Then, at the end of August, two UNAVCO staff will return, spending about a week in Barrow providing LiDAR support to two projects: a vegetation study (Tweedie) and a permafrost study (Shiklomanov).

In 2010, CPS will work with BTS Professional services (BTSPS) and other local organizations to provide lodging, meals, lab space, vehicles, and safety gear. BTSPS has engaged the Barrow Arctic Science Consortium to provide on-the-ground support in Barrow. PI Shiklomanov (CALM) will pay for some items beyond the approved scope of the project, including air travel and lodging, as described in this plan. IAB will provide access to infrastructure and services at Toolik. CPS will coordinate ANG transportation between New York and Summit Station as well as provide access to infrastructure and services at Summit.

Any required training for Barrow and Toolik staff is completed on-site. Summit Science Technician training is completed at the UNAVCO facility in Boulder. CPS will pay for the travel associated with this training, while UNAVCO covers the cost of training under this grant.

The PI will arrange/pay for all other logistics through the grant.

For the complete CPS online project record for this grant, including science objectives, go to:

[http://www.polar.ch2m.com/arlsr\\_reports/arlsr\\_projectsdetail.asp?cbPropNum=0735156](http://www.polar.ch2m.com/arlsr_reports/arlsr_projectsdetail.asp?cbPropNum=0735156)

## OUTSTANDING ACTIONS AND NOTES

Issue	Responsibility	Date Due	Date Completed / Comment
Note: For long distance calls from Barrow, researchers should plan to bring phone cards or use their personal cell phone. Only certain cell phone suppliers work in Barrow (AT&T, ACS, GCI, Verizon. For more information, please contact your supplier).	Field Team Members		
Note: For researchers selecting meal plan options 2 or 3: Cafeteria prices are \$53 per	Field Team Members		

day for the Pay Up Front Plan (plan 2) and \$15 per day for the Hybrid Plan (plan 3). Hence, daily reimbursements for those researchers who have selected plan 2 will be \$53, and \$15 for those who have selected plan 3.			
Research group is responsible for the retrograde of all grant-owned equipment from lab spaces and storage areas at end of grant period.	PI	Before leaving Barrow	

## FIELD TEAM INFORMATION

Name	Location	Date In	Date Out	Email/Phone
Seth White*	Barrow	5/26/2010	6/2/2010	<a href="mailto:white_at_unavco.org">white_at_unavco.org</a> 720-933-7584
Marianne Okal++	Barrow	8/13/2010	8/20/2010	<a href="mailto:okal_at_unavco.org">okal_at_unavco.org</a> 847-707-8747

\*Project POC, May

++Project POC, August

## ALLOCATIONS AND SERVICES

The below tables describe the NSF-approved support scope for your project. Your support will be managed to these allocation levels. Requests to exceed this scope will require NSF approval. The Scope Management Policy is available here: <http://www.arcticscience.org/pdf/BarrowScopePolicy.pdf>

### Housing & Meals

Support	Description	Unit	Allocation	Comment
Lodging & Meals	Seth White	Day	7	Will work with Tweedie
Lodging & Meals	Maienne Okal	Day	16	CALM (Shiklomanov) and UNAVCO pay for this

All team members should familiarize themselves with the Housing / Reservations Policy and the Meals policy at their earliest convenience. The complete policies can be found online at:

- <http://www.arcticscience.org/pdf/barrowreservationhousingpolicy.pdf>
- <http://www.arcticscience.org/pdf/barrowmealpolicy.pdf>

Make housing reservations and select a meal plan at least 3 weeks prior to your arrival date. The reservations form is available here:

<http://spreadsheets.google.com/viewform?hl=en&formkey=cDcxU2ZhNmI0dy1mZ0FYQnNhLTiiUIE6MA>.

Confirmed reservations can be viewed here:

<http://spreadsheets.google.com/pub?key=p71Sfa6itw-fgAXBsa-9bRQ>

### Lab Space

Support	Description	Unit	Allocation	Comment
Work space	122A or L-214	Days	7	Will use to work on DGPS equipment

### Information Technology

Support	Description	Unit	Allocation	Comment
Computer/space	Computer to interface with DGPS in library	Lot	1	Year round use of space for DGPS bay station and computer

**Other Services**

Support	Description	Unit	Allocation	Comment
Cargo handling	Equipment	Lot	Place cargo storage before others return	See CSF
Flight to Atqasuk	One day measurement	Day	1	Will be paid by CALM logistics
Flight to Ivtok	Charter, 1 day	Day	1	Will be paid by CALM logistics

*For expense reimbursements please contact Faustine Mercer. See Project Contact Information, below.*

**Permits**

Support	Description	Unit	Allocation	Comment
NSB permit	Atqasuk work flying, fuel cache	Each	1	Primarily to provide info. on GIS activities
UIC permit	Land use permit	Each	1	

## PROJECT CONTACT INFORMATION

**Research Team**

Role	Name	Email	Phone / Fax
Co-PI	Bjorn Johns	<a href="mailto:bjorn@unavco.org">bjorn at unavco.org</a>	303 381.7470 /303 381.7451
Co-PI	Charles Meertens	<a href="mailto:chuckm@unavco.ucar.edu">chuckm at unavco.ucar.edu</a>	303 497.8011 /
Principal Investigator	Meghan Miller	<a href="mailto:Meghan@unavco.org">Meghan at unavco.org</a>	303 381.7514 /

**BTSPS/BASC/CPS Team Members**

Contact for	Name	Email	Primary Phone(s)
New science requests, scope changes to existing requests – CPS	Steve Hastings	<a href="mailto:steve@polarfield.com">steve at polarfield.com</a>	907.852.0904 (v) 907.388.0565 (c)
Expense reimbursements, BTS and BASC liaison - CPS	Faustine Mercer	<a href="mailto:faustine@polarfield.com">faustine at polarfield.com</a>	907.852.0904 (v) 907.750.1772 (c)
Barrow on the ground representative - BTSPS	Russell Snyder	<a href="mailto:Russell.Snyder@ukpik.com">Russell.Snyder at ukpik.com</a>	907.855.0374 (c)
Lodging and lab assignments – BASC	Bryan Thomas	<a href="mailto:bryan.thomas@arcticscience.org">bryan.thomas at arcticscience.org</a>	907.852.0903 (v) 907.367.3797 (c)
Station Management, Vehicles, Field Equipment, Temporary Labor - BASC	Lewis Brower	<a href="mailto:lewis.brower@arcticscience.org">lewis.brower at arcticscience.org</a>	907.852.0905 (v) 907.367.3813 (c)
IT Support - BASC	Brad Heaston	<a href="mailto:brad.heaston@arcticscience.org">brad.heaston at arcticscience.org</a>	907.852.0902 (v) 907.367.3836 (c)
Chief Scientist; Permitting and Local Community coordination – BASC	Glenn Sheehan	<a href="mailto:basc@arcticscience.org">basc at arcticscience.org</a>	907.852.4881 (v) 907.367.3815 (c)

**Offices**

Barrow/CPS	Barrow/BASC	BTSPS	Fairbanks/CPS	Denver/CPS
CH2M HILL Polar Services 360 NARL St. Room L-203 Box 947 Barrow, AK 99723	BASC 360 NARL St. Room L-206 Box 577 Barrow, AK 99723 T:907.852.4881 F:907.852.4882	615 E. 82 <sup>nd</sup> Ave. Suite 300 Anchorage, AK 99518 T:907.273.817	CH2M HILL Polar Services Alaska Office 2325 King Rd. Fairbanks, AK 99709 T:907.455.4214 F:907.455.4126	CH2M HILL Polar Services Western Office 8110 Shaffer Pkwy Suite150 Littleton, CO 80127 T:303.984.1450 F 303.984.1445

Other

Organization	Internet	Phone
Medical Advisory Service (MAS) ( <b>see below for Remote Telemed #</b> )	<a href="http://www.medaire.com/corp_medlink.html">http://www.medaire.com/corp_medlink.html</a>	Office: 480.333.3771

## CRITICAL SUCCESS FACTORS

During the planning stages for your project, your CPS PMs will work with you to identify the most crucial factors that must be in place upon your arrival. These factors will be documented in the below table. We track these factors in order to measure the success of CPS' support. Examples might be the availability of the helicopter or condition of camp gear.

Factors
Equipment shipped placed in lab before arrival.

## GOVERNMENT AND PERFORMANCE REPORTING ACT OF 1993 (GPRA)

NSF/OPP requires your help in complying with the Government Performance and Reporting Act of 1993 (GPRA). One measure of CPS' performance is a "facility-performance metric" which counts the number of productive days your project has in the field while relying on CPS facilities or support. Please keep track of any "lost days" and report these to us at the end of the season.