

Please review all of the following information, including the gear allocations and field team members, to ensure accuracy. This plan is an agreement between VPR and your group, documenting the logistics support you will receive.

• Project Information •

Lead Principal Investigator	Dr. Robert Clauer
Institute	University of Michigan, Department of Atmospheric, Oceanic & Space Science
Project Title / Grant #	Operation of a magnetometer array on the Greenland Ice Cap (MAGIC) and interhemispherical investigation of multi-scale currents systems (0220735)
NSF Program and Manager	NSF/OPP ANS, Dr. Jane Dionne
VPR Project Manager	Robin Abbott

• Logistics Summary •

<p>This project has operated a magnetometer array on the Greenland ice cap since 1991. This grant covers upgrade and maintenance of the array from 2003-2005.</p> <p>The plan for 2006 is to remove the magnetometers from both Summit Station and Camp Raven. The field team will first go to Camp Raven where they will remain for 4 days. They will then return to Kangerlussuaq for one day and fly to Summit on 12 June. They will complete their work and return to New York at the end of the week.</p> <p>VPR will coordinate Air National Guard flights, pay for user days in Kangerlussuaq, provide a generator and other field gear, materials, and equipment from inventory, and support the team while at Summit and Raven.</p>
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For the complete VPR online project record for this grant, including science objectives, go to: http://www.vecopolar.com/arlss_reports/arlss_projectsdetail.asp?cbPropNum=0220735

• Outstanding Issues •

Issue	Responsibility	Date Completed
Review support plan for accuracy and distribute to all field team members	PI	5-18-2006
Obtain all necessary permits for fieldwork	PI	
Visit all hyperlinks and review all documents referred to in the support plan	Field Team Members	5-18-2006
Contact the GEOSummit Science Coordination Office (SCO) mailto:sco@geosummit.org regarding your project's plans for the season	PI	5-18-2006
As of 31 May, two field team members still need medical clearances for field work in Greenland.	Palmer, Travis Welling, Dan	
Please note this important information for your field team: Bring 2 different forms of picture ID. Passports are now mandatory for entry into Greenland. Be sure to pack them!	Field Team Members	5-18-2006
Complete Critical Success Factors	PI	5-18-2006

• Allocations & Services •

Allocations from Inventory

Quant/Unit	Item
1 ea	Hot air gun
1 ea	Power generator (to run air gun and chain saw)
1	Electric chain saw
5	Shovels (3 scoop, 2 long-handled square)
2	Pick axe
1	Survival kit / tent (8x8 Arctic Oven tent)
3 ea	Plywood – ½” sheets (for both Summit and Raven)
6 ea	Lumber (2 x 4s) (for both Summit and Raven)

Other Services

Project Allocations	Comments
Assistance at Summit	If there are unexpected time constraints, the team may need extra help digging up equipment. The Summit staff will be available to assist if necessary.

• Location Information •

Please visit <http://www.vecopolar.com> and navigate to the Greenland menu for en route and location-specific Greenland information. Prior to deployment, your entire field team should be familiar with the content of the *Greenland Guide* and, if traveling to Summit, with the guidelines provided in the *Summit Users’ Guide*. Both are available electronically via our web site’s Greenland menu.

• Cargo and Customs •

All cargo required for your project should arrive in into our online Cargo Tracking System, and must be properly registered with customs. Scotia, NY no later than 2 weeks prior to the desired northbound Air National Guard (ANG) flight, must be entered

- ✓ For the most current ANG flight schedule go to <http://www.vecopolar.com> and navigate to Greenland > Calendars/Schedules.
- ✓ If you are a new user requiring access to the Cargo Tracking System, contact Robin Abbott (robin@polarfield.com).
- ✓ Customs instructions are available on our website at <http://www.vecopolar.com> (go to Greenland > Customs)
- ✓ For Customs requirements please refer to the *Greenland Guide*, also available at <http://www.vecopolar.com> under Greenland.

The following is our current understanding of your overall cargo requirements:

Cargo List

Items	Weight/Cube
4 aluminum equipment boxes	620 lbs / 44.4 cubic feet
2 empty crates for returning equipment to US	141 lbs / 38.3 cubic feet

• Support Schedule •

Date	Location	Activity
05 June	NY > Kanger	4 field team members arrive in Greenland
06 June	Kanger > Raven	4 field team members fly to Raven
10 June	Raven > Kanger	4 field team members fly from Raven to Kanger
12 June	Kanger > Summit	4 field team members arrive at Summit
15 June	Summit > Kanger	4 field team members fly from Summit to Kanger
17 June	Kanger > NY	4 field team members arrive back in NY

• Field Team Information •

Name	Location	Date In	Date Out	Email
Bee, Gregory	Kangerlussuaq	6/5/2006	6/17/2006	gbee@emich.edu
Bee, Gregory	Raven	6/6/2006	6/10/2006	
Bee, Gregory	Summit	6/12/2006	6/15/2006	
Palmer, Travis	Kangerlussuaq	6/5/2006	6/17/2006	trpalmer@gmail.com
Palmer, Travis	Raven	6/6/2006	6/10/2006	
Palmer, Travis	Summit	6/12/2006	6/15/2006	
Welling, Dan	Kangerlussuaq	6/5/2006	6/17/2006	dwelling@nmu.edu
Welling, Dan	Raven	6/6/2006	6/10/2006	
Welling, Dan	Summit	6/12/2006	6/15/2006	
Welling, Dave	Kangerlussuaq	6/5/2006	6/17/2006	sidiasus@gmail.com
Welling, Dave	Raven	6/6/2006	6/10/2006	
Welling, Dave	Summit	6/12/2006	6/15/2006	

• Project Contact Information •

Research Team

Role	Name	Email	Phone / Fax
Principal Investigator	Dr. Robert Clauer	rclauer@umich.edu	734-763-6248/734-763-0437
Co-PI	Dr. Vladimir Papitashvili	papita@umich.edu	313-763-6247/313-763-5567
Field Coordinator	Mr. Dan Welling	dwelling@nmu.edu	734-856-1186

VPR Team Members

Contact for	Name	Email	Primary Phone(s)
Greenland operations	Robin Abbott	robin@polarfield.com	Denver: 303.748.8507 Greenland: 011.299.524218
Greenland operations	Mark Begnaud	mark@polarfield.com	Denver: 720.320.6160 Greenland: 011.299.524281
Summit operations	Sandy Starkweather	sandy@polarfield.com	Denver: 303.518.8714
Sat phones & comms	Roy Stehle	roy.stehle@sri.com	Menlo Park: 650.859.2552
Medical & MAS	Jason Buenning	jason@polarfield.com	Denver: 303.638.6669
Denver operations	Jill Ferris	jill@polarfield.com	Denver: 720.320.6155
Scotia Operations & Customs	Earl Vaughn	earl.vaughn@nyscot.ang.af.mil vprscotia@hughes.net	Scotia: 518.331.3103

VPR Offices

Denver	Kangerlussuaq	Scotia	Summit
VECO Polar Resources Western Office 8110 Shaffer Parkway Suite 150 Littleton, CO 80127 Tel: 03.984.1450/1439 Fax: 303.984.1445	VECO Polar Resources Attn: Name of Employee/Researcher Postboks 1015 DK-3910 Kangerlussuaq, Greenland Tel: 011.299.841598 Fax: 011.299.841599	Earl Vaughn C/O 109 th Aerial Port Bldg. 20 Stratton Air Base Scotia, NY 12302-9752 Fax: 518.884.2904	VECO Polar Resources Attn: Name of Employee/Researcher Postboks 1015 DK-3910 Tel: 321.953.9650 Fax: 321.953.9651

Other

Organization	Internet	Phone
Summit Science Coordination Office	http://www.geosummit.org sco@geosummit.org	John Burkhart 209.658.7142

- Safety, Environment, Health, and Permitting •

Permits

Please refer to VPR's *Greenland Guide*, available at <http://www.vecopolar.com> under Greenland, for information about permits required to conduct fieldwork in Greenland.

Medical Clearance

Arctic Program participants traveling into the Greenland field are generally required to pass a National Science Foundation (NSF) mandated physical exam. All field team members should plan to complete their medical clearance process 8-6 weeks prior to their travel to Greenland. For more information refer to VPR's *Greenland Guide*, available at <http://www.vecopolar.com> under Greenland.

- Critical Success Factors •

Please list the factors that are most important for the success of your science. We track these factors in order to measure the success of VPR's support. Examples might be the availability of the helicopter or camp gear.

Factors
Maximum time at site (cooperative weather, minimal flight delays)
Have proper digging tools available

- Government Performance and 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 VPR's performance is a "facility-performance metric" which counts the number of productive days your project has in the field while relying on VPR facilities or support. Please keep track of any "lost days" and report these to us at the end of the season.