

AFI FIELD PROJECTS, 2010/11 SEASON

BAS points of contact for individual projects are identified in red below

Project ref. (BAS)	Principal & Co-Investigators	Institution	Project Title	Field seasons	Field location	Field participant(s)
AFI ROUND 9						
AFI9/01	Prof. Neil Glasser Dr Mark Williams Dr Jonathan Carrivick Dr Mike Hambrey	Aberystwyth University University of Leicester University of Leeds Aberystwyth University	Glacial history of the NE Antarctic Peninsula region over centennial to millennial timescales	2010/11	James Ross Island: Rum Cove & Obelisk Cliff, 64° 07'S, 58° 27'W James Ross Island: Terrapin Hill, 63° 58'S, 57° 33'W James Ross Island: Brandy Bay/Monolith Lake, 63° 58'S, 57° 57'W James Ross Island: Whisky Bay, 63° 53'S, 58° 06'W	3 scientists + 1 FGA (supporting two parties, working in the same vicinity). Approximately two months in the field, within the period January to March 2011.
AFI9/07	Dr Angus Atkinson Dr Sophie Fielding Prof. Eric Achterberg	BAS BAS University of Southampton	The role of krill grazing in Southern Ocean nutrient cycles	2010/11	Cruise from Stanley to northern shelf of South Georgia (~3 days); Northern shelf of South Georgia to South Orkney Islands (5-6 days, but may be shorter, depending on availability of krill – basically a transect across Scotia Sea to search for krill in open ocean); South Orkney Islands to Stanley (but see proviso above, that transect towards South Orkneys may not reach the islands if sufficient krill encountered).	7 berths on RRS <i>James Clark Ross</i> , for: BAS scientists: Atkinson, Schmidt, Fielding, Venables and Enderlein; NOC scientist: Rijkenberg; 1 NMF-Sea Systems technician.
AFI9/10	Dr Matt King Dr Mike Bentley Dr Richard Hindmarsh Prof. Phil Moore Dr David Lavallee Dr Ed King	Newcastle University University of Durham BAS Newcastle University Newcastle University BAS	Improved models of West Antarctic glacial isostatic adjustment through new crustal motion data	2009/10, 2010/11, 2011/12, 2012/13	69.6666667 -76.2333333 C. Zumberge; -64.7 -75.3833333 Mt. McKibben; -61.0666667 -74.0833333 C. Little; -75.8333333 -74.65 Henkle Peak; -68.6333333 -73.95 Gomez Nunatak; -66.0833333 -73.0666667 Jensen Nunatak; -64.8 -71.65 Rathbone Hills. Note: Exact site locations are subject to minor variation	Servicing of deployed GPS receiver stations, by BAS technical staff.
AFI9/18	Prof. Catherine Mitchell Dr Martin Jarvis Dr Ivan Astin	University of Bath BAS University of Bath	Remote GPS measurements to improve SAR ice monitoring	2009/10, 2010/11, 2011/12	M81 and M88	1 scientist (University of Bath) for data download and servicing of instrumentation.

AFI ROUND 10

AFI10/04	Dr John King Prof. Stephen Mobbs Dr Ian Renfrew Dr Phil Anderson Dr Tom Lachlan-Cope Dr Gareth Marshall Dr Andrew Orr Dr Alan Gadian	BAS University of Leeds UEA BAS BAS BAS BAS University of Leeds	Orographic flows and the climate of the Antarctic Peninsula (OFCAP)	2010/11, 2011/12	Deployment early in the season of 4 automatic weather stations at localities on a transect across the Antarctic Peninsula at approximately 67°S. Also, a static field camp on the Larsen Ice Shelf, approximately 67°S, 63°W, for 1 scientist and Field Assistant, for approximately 1 month (to make surface energy balance, boundary layer and radiosonde measurements).	3 scientists + 1 FGA (supporting two parties, working in the same vicinity). Approximately two months in the field, within the period January to March 2011.
AFI10/05	Dr Keith Nicholls Prof. Mike Fedak Dr Lars Boehme	BAS SMRU University of St Andrews	Ocean processes over the Weddell Sea shelf using seal tags	20010/11	Filchner Sill, off Brunt Ice Shelf, southern Weddell Sea (~75°S, 030°W). 10 days cruise during Jan-March 2011.	2 berths on RRS <i>Ernest Shackleton</i>
AFI10/18	Prof. Martin Siegert Dr David Rippin Dr Fausto Ferraccioli Hugh Corr Dr Tom Jordan Dr Rob Bingham	University of Edinburgh University of Hull BAS BAS BAS University of Aberdeen	Airborne geophysical investigation targets basal boundary conditions for the Institute and Moller ice streams, west Antarctica	2010/11	Patriot Hills, 80° 18'S 081° 21'W	3 geophysicists and one engineer (and one pilot). Two weeks at Rothera; 4 in party to Patriot Hills (35 days)