Method	Accuracy	Horizontal resolution	"Foot Print" Size	Source of Error	Transect Range	Priority	Berths	Helicopter	Logistical Support	Time at camp	
UAV	30cm	30-60cm	30-60cm	snow load	400 miles	Obtaining funding, 1 flight of large array		0 no	Navigation, Airspace management		0 CUT
IceSat	2cm on freeboard	1km?	1km?	Snow load	Arctic Ocean	Validation transect		0 no	IceSat Orbits, to coordinate validation transect		0
RA		1-7km	1-7km	Snow density and z	Arctic Ocean	provide validation data		1 no	Provide insitu data for cal-val		0
EM-31	5cm	4m	4m	Ridges, voids	Snowmachine Range: 10km	5, 1km lines		7 To support ridge study: 10 flights	2 snow machines + sled	14 days April 1-15	
EM-bird	10 cm	4 m	60m	Ridges	Helo Range @ 80 knots 160miles	Flight over calibration transects, Estimation		2 26 hours	Helo, Navigation	14 days April 1-15	
Drill Holes	1cm	point	2 inchs	Human, 3m limit on drilling	On Foot Range: 1km	5, 1km lines	use em-31 team	To support ridge study	2 sleds, bin-bag site markers	14 days	
Divers	1/2m, pressure gauge accuracy	Indeterminate: Characterise shape of keel	point	Dive Profile	50-100m	Diver Safety, 1 dive	7: From camp logistics, UAF and Gavia personal (no extra berths)	5 dives, 4 helo flights per dive fully loaded	Thermal melter, Helo, UAF certified line tenders, APL divers, dive hut with propane stove	5 half-days	
AUV	10cm	1m 1 beam, 10cm multibeam	1m		100m from camp for first platform tests. 1km after that	Field testing of AUV, 1 flight of ridge study site		5 To support dives	Search and rescue diving - hopefully not needed. Navigation.	12 days April 1-12	