

**TO: Suborbital Science Program
NASA Headquarters
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Flight Report

Aircraft :	Kenn Borek Air DC-3T Basler
Operating Site(s) From / To :	NZPG/Concordia Station
Flight Date :	December 8, 2009 (NZDT)
Flight Number / Data Flight # :	F17 / 15
Time out:	2325 UTC
Time in:	0345 UTC
Flight Time :	4.3 hrs
Flt Request # / PI:	NASA 20090602-084128 (Blankenship)
Purpose of Flight :	Data [X] Ferry [X] Functional Check [] Other []
Sensor Payload :	University of Texas at Austin HiCARS ice penetrating radar; UT Reigl LD-90 laser distance meter; UT Geometrics 823-A magnetometer; USAF Sigma Space photon counting lidar, NGA BGM-3 gravity meter
Comments :	The aircraft flew a radial flight toward Dome C to drop cargo and personnel at Concordia Station, along a preplanned science radial, The radar, laser altimeter, lidar and gravity and magnetic fields instruments all performed excellently, Deep ice with remarkable internal structure and layering was imaged.

SUBMITTED BY: Duncan Young 10 December 2009