

TO: Suborbital Science Program
NASA Headquarters
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Flight Report

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| Aircraft : | Kenn Borek Air DC-3T Basler |
| Operating Site(s) From / To : | NZPG/NZPG |
| Flight Date : | December 7, 2009 (NZDT) |
| Flight Number / Data Flight # : | F16 / 14 |
| Time out: | 0200 UTC |
| Time in: | 0910 UTC |
| Flight Time : | 7.2 hrs |
| Flt Request # / PI: | NASA 20090602-084128 (Blankenship) |
| Purpose of Flight : | Data [X] Ferry [] 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 to the southwest of McMurdo, on the first survey flight from McMurdo's Pegasus blue ice runway toward Wilkes Subglacial Basin. The radar, laser altimeter, lidar and gravity and magnetic fields instruments all performed excellently. Byrd Glacier was sounded by by gravity on the outbound leg and by radar on the return. |

SUBMITTED BY: Duncan Young 10 December 2009