

UWFPS Twin Otter Telecon, December 5 2016

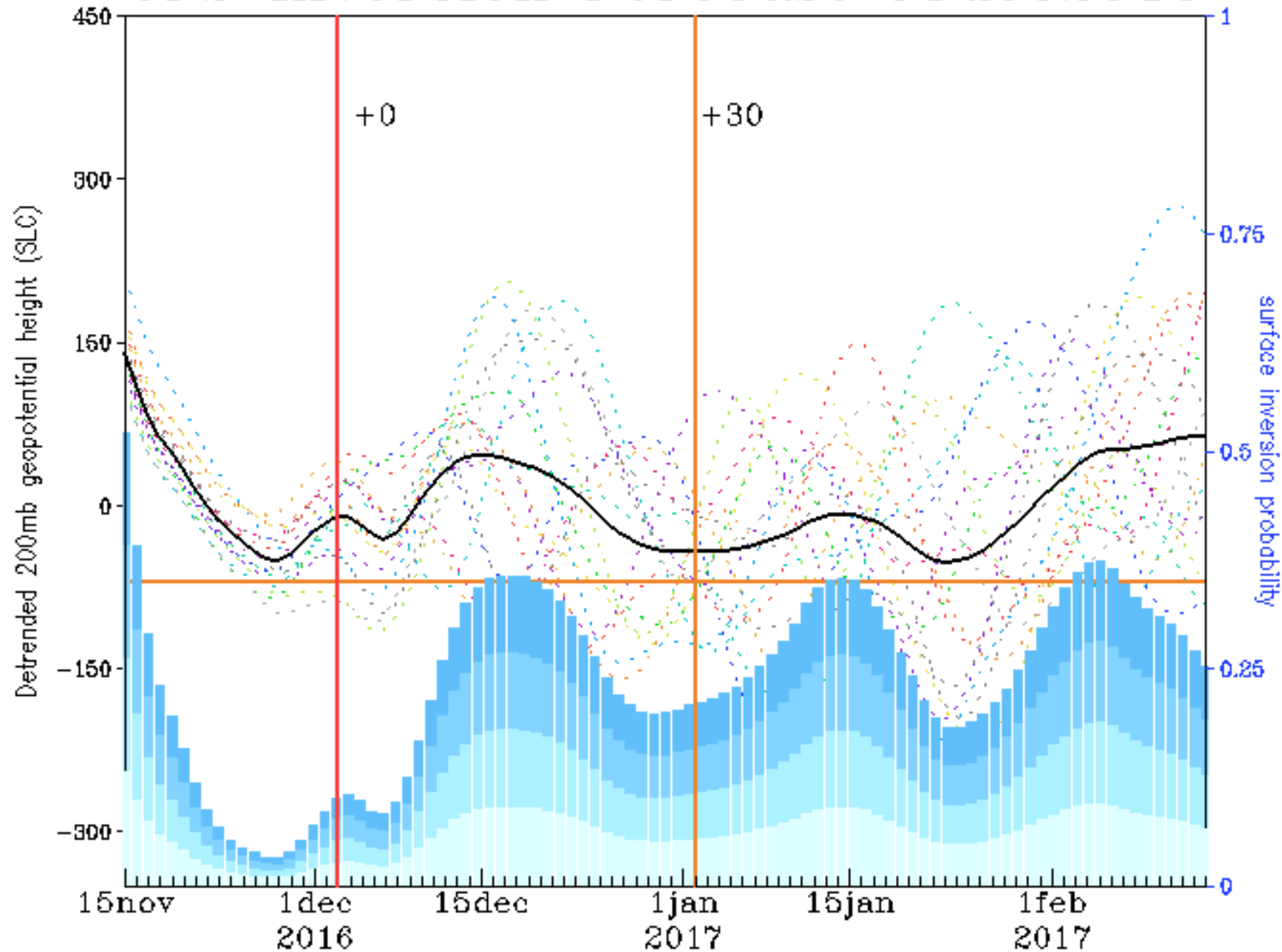


1. Instrument updates

2. Payload (hint: no significant changes)

3. Updates to transit logistics and campaign start from discussion 2 weeks ago

CFS Inversion Forecast 03dec2016



Twin Otter Payload Update

Instrument	Power (kVA)	Weight (lbs)	Actual Power (kVA)	Actual Weight (lbs)	Notes
AMS	1.1	560	1.1	560	
Iodide TOF CIMS	1	380	1	380	
NOxCaRD	0.5	286	0.5	286	
NH3 QCL	0.93	230	0.93	230	
Picarro CO (CH4)	0.4	70	0	0	
Met Probe	0.1	7	0.1	7	
Data Acquisition	0.1	10	0.1	10	Estimate
UHSAS	0.1	49	0	0	
Equipment Subtotal		1592		1473	
Pilots		360		360	2 pilots
Scientists		360		360	2 operators
Life raft		70		0	
Crew Subtotal		790		720	
Total	3.93	2382	3.53	2193	
Available	4 kVA 115 VAC ~3 kVA 28 VDC	2200	5	2200	

Integration Schedule & Logistics

Integration (and de-installation) will take place at the NCAR Research Aviation Facility (RAF) in Broomfield, Colorado

Point of contact: Pavel Romashkin, 303 497 1027

Shipping Address:

NCAR/EOL Research Aviation Facility

10802 Airport Court

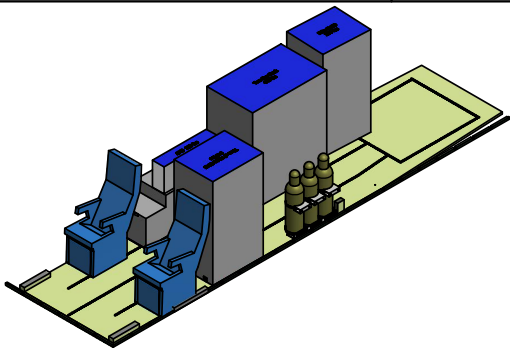
Broomfield, CO 80021-2561

External investigators, please contact Bob Zook (robert.zook@noaa.gov, 303 497 3662) to arrange shipment of your instruments

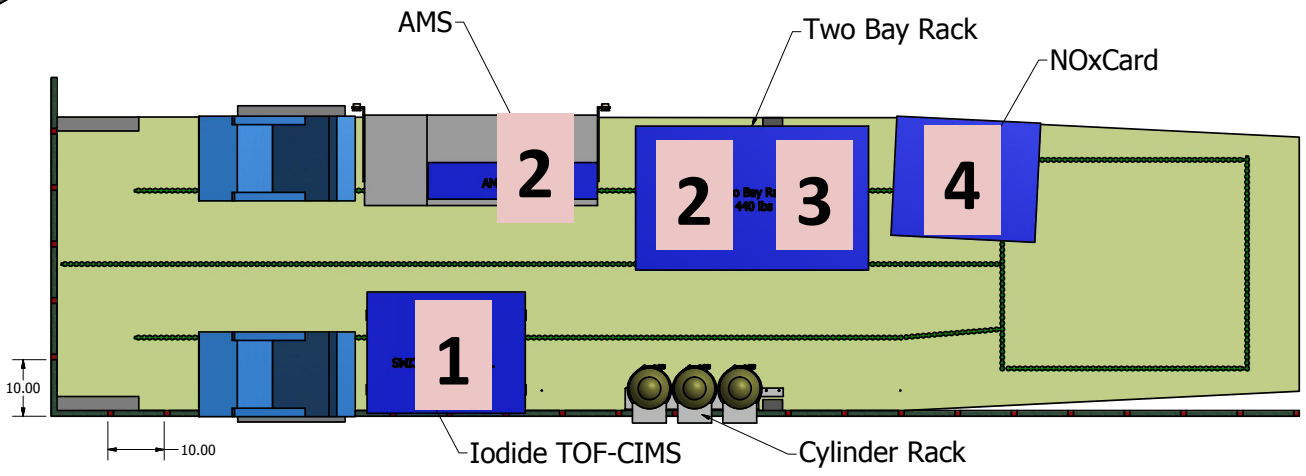
University of Washington: Driving instruments from Seattle to Colorado. Planned arrival on January 2.

University of Toronto: Ship instruments and equipment to the NOAA Boulder laboratories by December 19 (update ?)

NOAA (and UT): Truck will be available early January to bring instruments from CSD to RAF



For the instruments and cylinders alone (No passengers, seats, table, computer, etc.)
 The C.G. is 90 inches aft of the bulkhead.
 Instrument C.G. is at station $(90 + 112) = \text{Station 202}$
 The combined weight ~ 1500 lbs



- | | |
|----------------|------------|
| 1. Iodide CIMS | 3. NH3 QCL |
| 2. AMS | 4. NOxCaRD |

DRAWN	bdube	11/16/2016		
CHECKED			TITLE	
QA				
MFG				
APPROVED				
			SIZE	DWG NO
			C	Simple_N48_FloorPlanInstruments
			SCALE	REV
				1
			SHEET 1 OF 1	

JANUARY 2017

24calendar.com

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3 Twin Otter Transit	4 UW Iodide CIMS	5 UW Iodide CIMS	6 NOAA AMS	7 NOAA AMS
8 UT NH3 QCL	9 UT NH3 QCL	10 NOAA NOxCaRD	11 NOAA NOxCaRD	12 Test Flight 1	13 Test Flight 2	14 Packing
15 Salt Lake Transit	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Integration Schedule – External Investigators

University of Washington

Lexie Goldberger

Broomfield, January 2 - 15

Ben Lee

Broomfield, January 2 - ??

University of Toronto

Alex Moravek

Boulder, December 19-23

Broomfield, January 6-15

Jen Murphy

Boulder, December 19-21

Broomfield, ??

Please contact Jane August, Jane.E.August@noaa.gov, 303 487 7531 with specific air travel requests using the federal contract carriers between specific cities.

Denver – Seattle	Alaska	Salt Lake – Seattle	Delta
Denver – Toronto	United	Salt Lake – Toronto	No Award
Denver – Salt Lake	United		

Please make your own hotel reservations in Boulder or Broomfield. Must stay within federal per-diem rates (\$132), but helpful to the project if you find a better rate than this!

Transit Schedule & Logistics – Broomfield to Salt Lake

Current scheduled transit date is January 15, 2017

Investigators on the twin otter during transit:

Only one investigator should fly from RAF to Salt Lake to make the trip without stopping

Shipping from RAF to Salt Lake

Rental truck currently being reserved (Debe Fisher, NOAA)

Weather permitting, will drive to Salt Lake in one day

Hazardous material will be shipped separately

Need to identify 1) drivers for truck and 2) investigator for aircraft transit

Others should book commercial flights for January 15 in the near future

Campaign Schedule – All Investigators

Hotel: Candlewood Suites, 2170 W. North Temple, Salt Lake City UT 84116

University of Washington

Lexie Goldberger	January 15 – February 13
Ben Lee	??
Joel Thornton	??

University of Toronto

Alex Moravek	January 15 – February 13
Jen Murphy	??

NOAA

Ale Franchin	January 15 – February 13
Ann Middlebrook	January 20 – 26; February 3 - 9
Steve Brown	January 15 – February 13
Bill Dubé	January 15 - 21
Dorothy Fibiger	January 15 – February 13
Erin McDuffie	January 15 – February 13
Carrie Womack	January 15 – February 13

Confirm dates of stay (if different from above) with Steve Brown by early December

Arrange air fare with Jane August as soon as dates of state are confirmed