

Brazilian Traverse January 2015



Arctic Trucks Scientific Support



- In end of December 2014 two AT employees flew to Union Glacier via Punta Arenas /Chile.
- The purpose of the trip was to support Brazilian Traverse group to collect snow and ice core samples.
- Party of 7. Traverse guide from ALE, 4 Scientists and two Arctic Trucks employees.
- Every 10 km a surface sample.
- Every 100 km, 5 meter drilling.
- Every 200 km, 20 meter drilling.
- Estimated distance of the traverse was 1400 km during 16 days.
- For 5 days the Arctic Trucks vehicles located at Union camp where serviced and loaded of expedition equipment, fuel and food.

Arctic Trucks Scientific Support



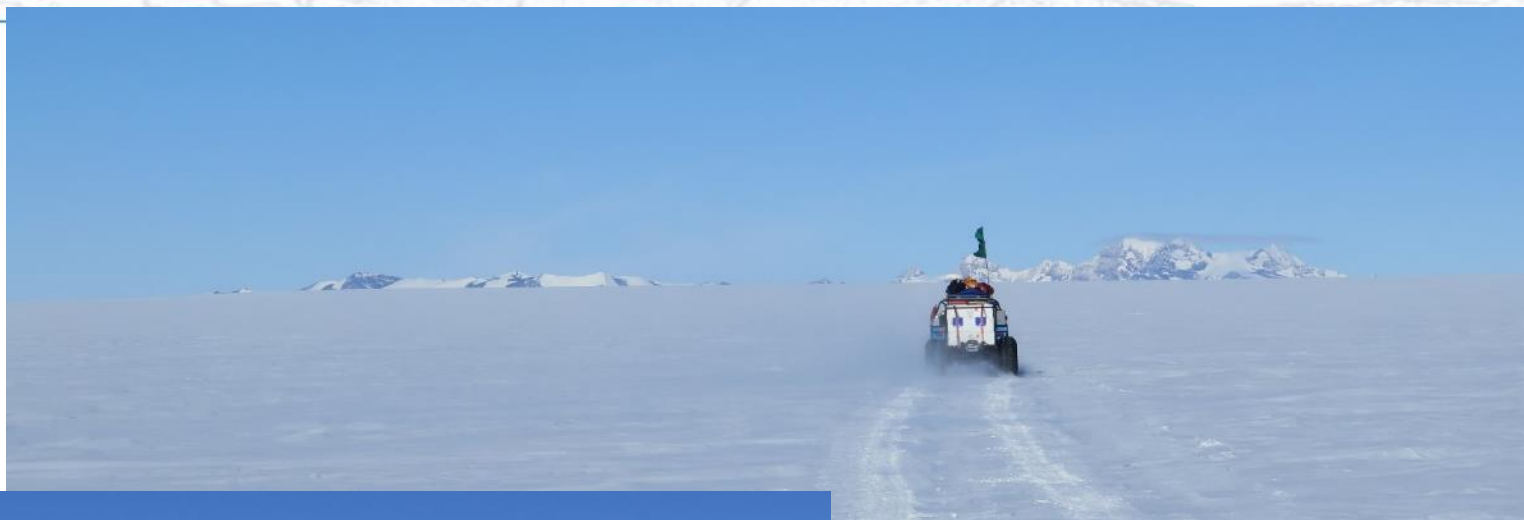
Preperation of vehicles and service



Loading and refuelling



Union Glacier - Criosfera I / 514 km - 23 hours



Criosfera I



Camp D – Overnight and drilling



Ice core drilling – 20 meters



Tent heater/Water maker - dining



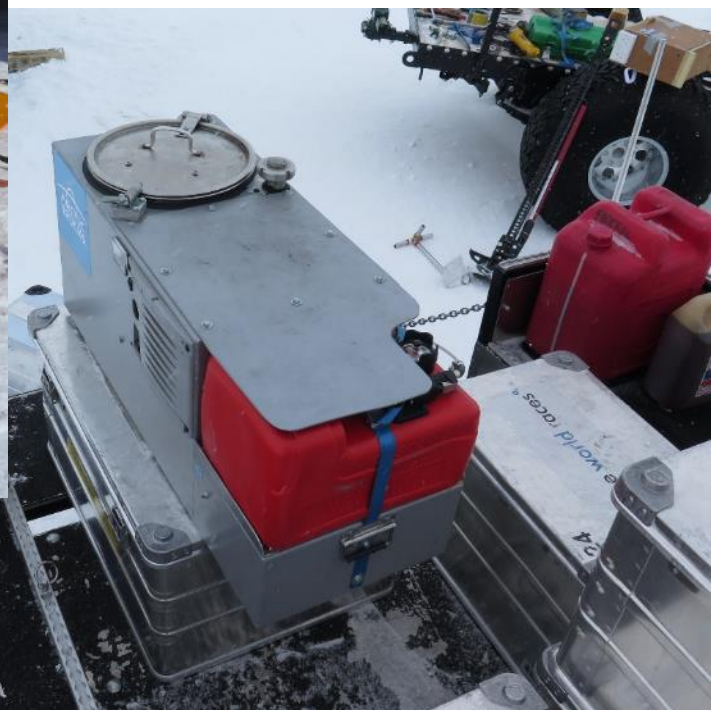
Kovacs Auger Coring System – 5 meter drilling



Ice core drilling



Tent heater / Water maker



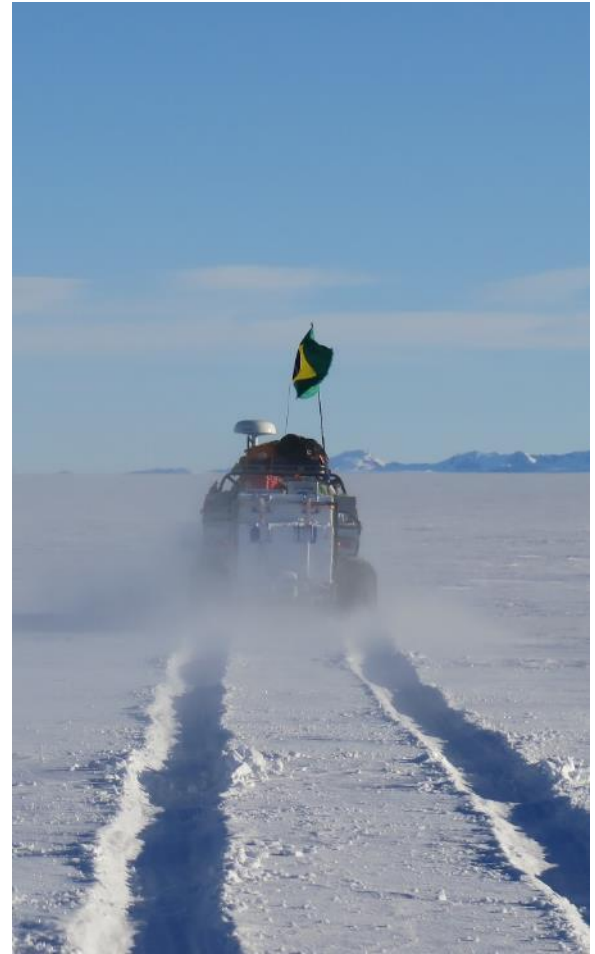
Ice core drilling

















Multi purpose crane – 300 kg



Science cabin with heater – seats two – Open Port



Winter storage





Image U.S. Geological Survey
Image PGC/NASA

- Total distance driven
- 1720 km / 1068 miles

- 12 days

- Used fuel, both vehicles
- 2005 ltr / 529 US Liquid gal

- Fuel consumptions during traverse
- 57 ltr/100 km – 0,54l pr/hour
- 4,12 miles/Gallon(US)

Thanks - Questions



„Weather and perfect snow allow fast forward, sometimes more than 50 km per hour in some parts up to 70 km per hour“

„Undoubtedly, the transportation with these vehicles is revolutionizing the polar logistics“

Dr. Jefferson Simones

