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.
Preperation of vehicles and service
Loading and refuelling
Union Glacier - Críosfera 1 / 514 km - 23 hours
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
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 – 0.54 l pr/hour
4.12 miles/Gallon(US)
„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