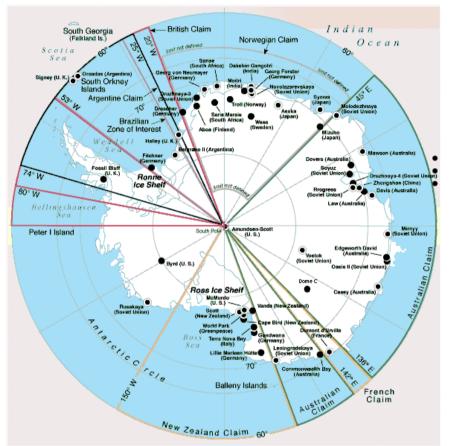


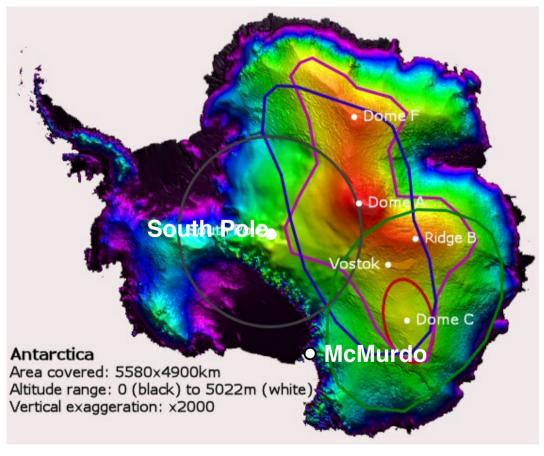
Trip to Antarctica (2009) Final destination: the South Pole

Joanna Kiryluk Lawrence Berkeley National Labortory (USA)

Antarctica (from the Greek word "antarktikos" = "opposite the Arctic")

- one of the coldest, windiest, highest, and driest locations in the world.

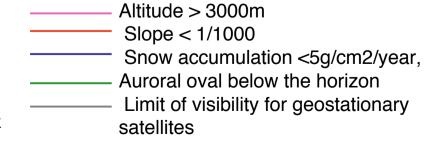




- Area: 1.5x size of US; 2nd-smallest continent (after Australia).
- Climate: severe low temperatures vary with latitude, elevation, and distance from the ocean;

Record low@Vostok -128F (July 21, 1983)

■ Terrain: about 98% thick continental ice sheet and 2% barren rock average elevation 2 300 m; mountains: up to 4 897 m



Weather for South Pole Station

The date is 02-09-2009 at 4:03 PM

Temperature



-42.1 C -43.8 F

Windchill

-54.8 C -66.6 F

Wind

6.5 kts Grid 111

Barometer

684.0 mb (10478 ft)

UTC 02-09-2009 at 03:03 Z

If you want to see <u>official met data</u> - click on this link. If you want to see South Pole Weather <u>FAQ's</u> - click this link.

Average monthly temperatures and precipitation (Fahrenheit, inches) at the South Pole, Antarctica

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Avg high °F	-14	-35	-58	-63	-64	-65	-68	-68	-67	-54	-33	-15	-50
Avg low °F	-20	-44	-70	-76	-78	-79	-82	-81	-81	-64	-39	-20	-61
Precipitation inches	_	_	_	_	_	_	_	_	-	_	-	_	0.1





Antarctica: How to get there?



- Commercial flight to Christchurch, New Zealand
- US AirForce flight from NZ to Antarctica: McMurdo station (US base)
- US AirForce flight from McMurdo to South Pole station (US base)

Special Extreme Cold Weather Clothing

(Clothing Distribution Center, Christchurch NZ)

The Following Must be Worn or Carried on All Flights



- · Closed-toe shoes or boots must be worn.
- In the event of a 'turn-around,' only the boomerang bag will be returned to passengers.













US AirForce flight from NZ to McMurdo Station in Antarctica

Preparing for Departure







US AirForce flight from NZ to McMurdo Station in Antarctica









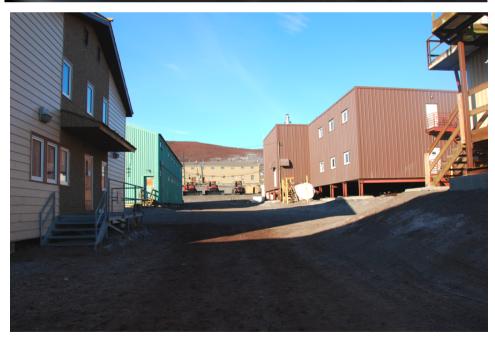
Christchurch, NZ

Bus ride to McMurdo station (known as 'Mac town')









McMurdo station:











US AirForce flight from McMurdo to the South Pole (US base)





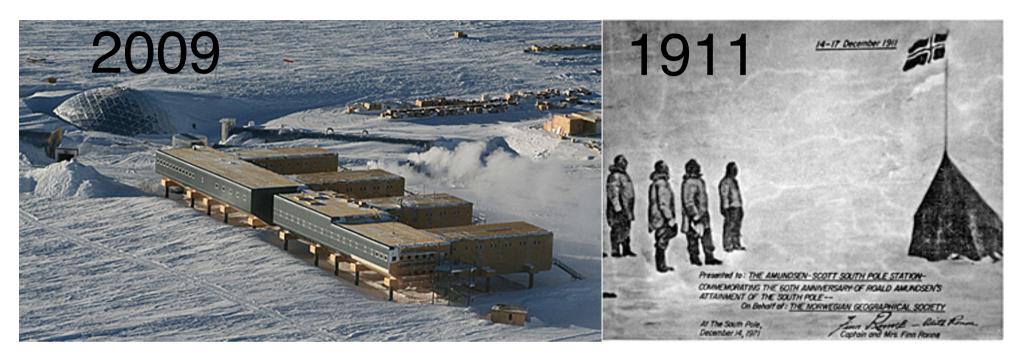




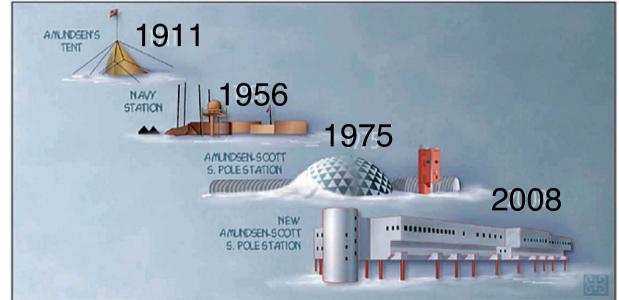


Transantarctic Mountains

Amundsen-Scott South Pole Station







Amundsen-Scott South Pole Station





Original signatories of Antarctic Treaty (1 December 1959)

Argentina, Australia, Belgium, Chile, France, Japan, New Zealand, Norway, South Africa, the Soviet Union, the United Kingdom and the United States.

The treaty has now been signed by 46 countries.

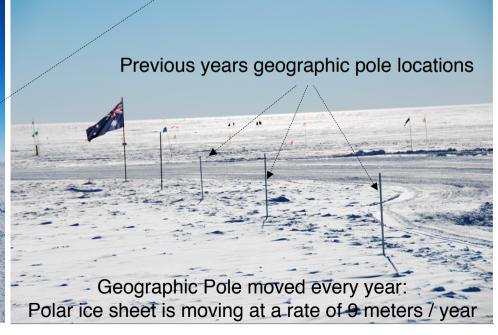
"It regulates <u>international relations</u> with respect to <u>Antarctica</u>, <u>Earth</u>'s only <u>continent</u> without a native human population set aside Antarctica as a scientific preserve, established freedom of scientific investigation and banned <u>military activity on that continent</u>.

Amundsen-Scott South Pole Station







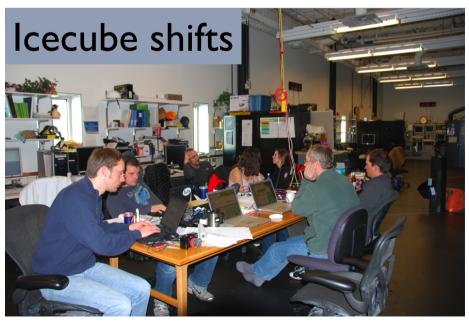




Inside the Station







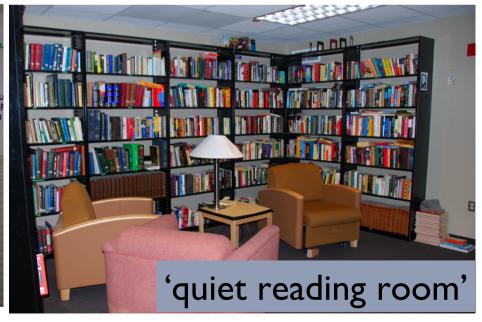


Inside the Station









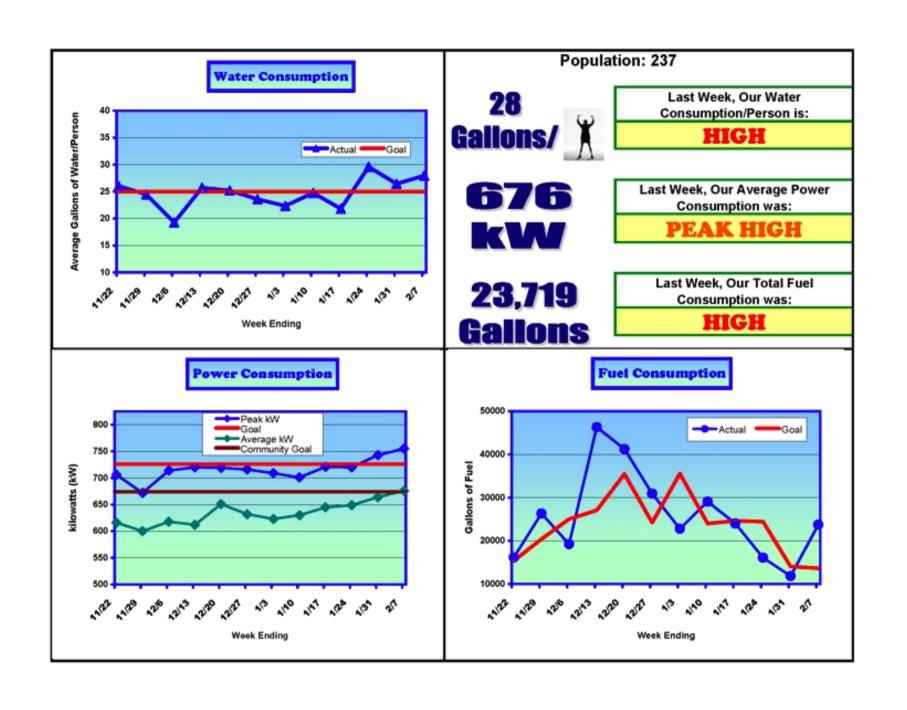
Inside the Station











Outside the Station: Summer Camp









Trip to the Dome (old station)





a storage place e.g. food

Now (2011): Dismounted and shipped back to the US

the SouthPole station tunnels









Icicles created by condensation from sewage outfall pipes

Outside the Station: transportation









IceCube:







IceCube:



IceCube: 'winterized'



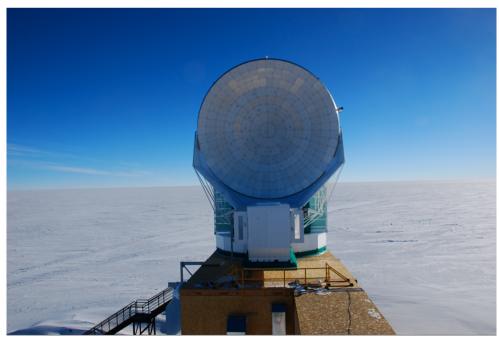






Visit to the South Pole Telescope







Visit to the satellite dishes









Going home February 13, 2009 One of the last few flights from the Pole









