Destination Antarctica: 2012
Kevin Trenberth
National Geographic Explorer
Ushuaia (going)
Ushuaia (returning
Departing Ushuaia
Zodiak
On the bridge:
At the “tiller” steering.
Al Gore and me
In zodiak;
Leonardo DiCaprio in bow Penguin colony
Krill (Palmer Station): 1 to 2 inches long
Movie 1

Movie 2

Movie 3
With chin-strap penguins
Seal colony
Hump-back whales/iceberg w penguins
With iceberg
Gentoo Penguins
(Orange beak)
Adelie penguin
Cormorants
Penguins porpoising
Adelie Chinstrap Gentoo

Palmer
• 7°C (13°F) T ↑
• 86 days less ice
• Big changes in
• Phytoplankton
• And krill
• And hence penguins

Sea ice duration
Southern Ocean waves
Albatross