Using Scientific Field Campaigns to Learn About Climate Science

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Why?
Adventurous & exciting field of research
Students can relate to scientists in the field
Using modern technology
Cutting-edge research technology
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Human influences never experienced before
Everyone can relate to climate & weather
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Global Atmospheric Field Research Projects
Global Tropical Hazards/Benefits Outlook - Climate Prediction Center

Week 1 - Valid: Nov 30, 2011 - Dec 06, 2011

Week 2 - Valid: Dec 07, 2011 - Dec 13, 2011

Confidence
High
Moderate

Tropical Cyclone Formation
Development of a tropical cyclone that eventually reaches tropical storm strength.

Above-average rainfall
Weekly total rainfall in the upper third of the historical range.

Below-average rainfall
Weekly total rainfall in the lower third of the historical range.

Above-normal temperatures
7-day mean temperatures in the upper third of the historical range.

Below-normal temperatures
7-day mean temperatures in the lower third of the historical range.

Produced: 11/29/2011

Product is updated once per week. The product targets broad scale conditions integrated over a 7-day period for US interests only. Consult your local responsible forecast agency.
What do bunnies have to do with atmospheric science?

RABBIT PROOF FENCE
The longest fence in the world

The RABBIT PROOF FENCE was built by the government in a desperate bid to hold back the rabbits invading from the east.

The No 1 RABBIT PROOF FENCE commenced in 1901 from Staverton bay, west of Esperance on the south coast to the Ninety Mile Beach, east of Port Hedland.

By 1904 the rabbits were within the line of No 1 fence, so in April 1904 labour parties were sent out to erect the No 2 fence in sections. The first party commenced in Cunderdin and headed north to meet the No. 1 fence, and the last section was to Point Anne on the South coast, to complete the No. 2 fence in July 1905.

The third fence commenced in 1906 on the west coast from south of Kalbarri to meet the No. 2 fence south of Woogalong. All three fences were completed on 30th QF September 1907.

The total cost of three fences was a massive 337,941 pounds, with 2,023 miles of unbroken fence line.

YARD TRAPS

Yard traps similar to this one were built every 5 miles. An effective way to catch the stray rabbits that got through to the west side of the fence. The stray rabbits would run down the fence line, get caught in the trap wings and enter through the funnel of wire, to the fully enclosed wire trap. Fence riders kept the yard traps clear and maintained the fence line.

You are at No.2 Rabbit Proof Fence, at the number 40 mile post with an original restored YARD TRAP.

Funded by the shire of Quairading - a project by Coralie Warneusking Catchment Group.
BuFEx

RABBIT PROOF FENCE
The longest fence in the world

Total length 2,023 miles (3,236.8 km)

THE COST
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BuFEx

Southwestern Australia

Indian Ocean

Farmland

Native scrubland

Bunny Fence
BuFEx

Native Scrubland (clouds)

Farmland (no clouds)

Rabbit Proof Fence
The A-Train

- PARASOL: 13 min
- CALIPSO: 60 sec
- CloudSat: 15 sec
- Aqua: 30 sec
- OCO: 15 min
Let’s take a tour...