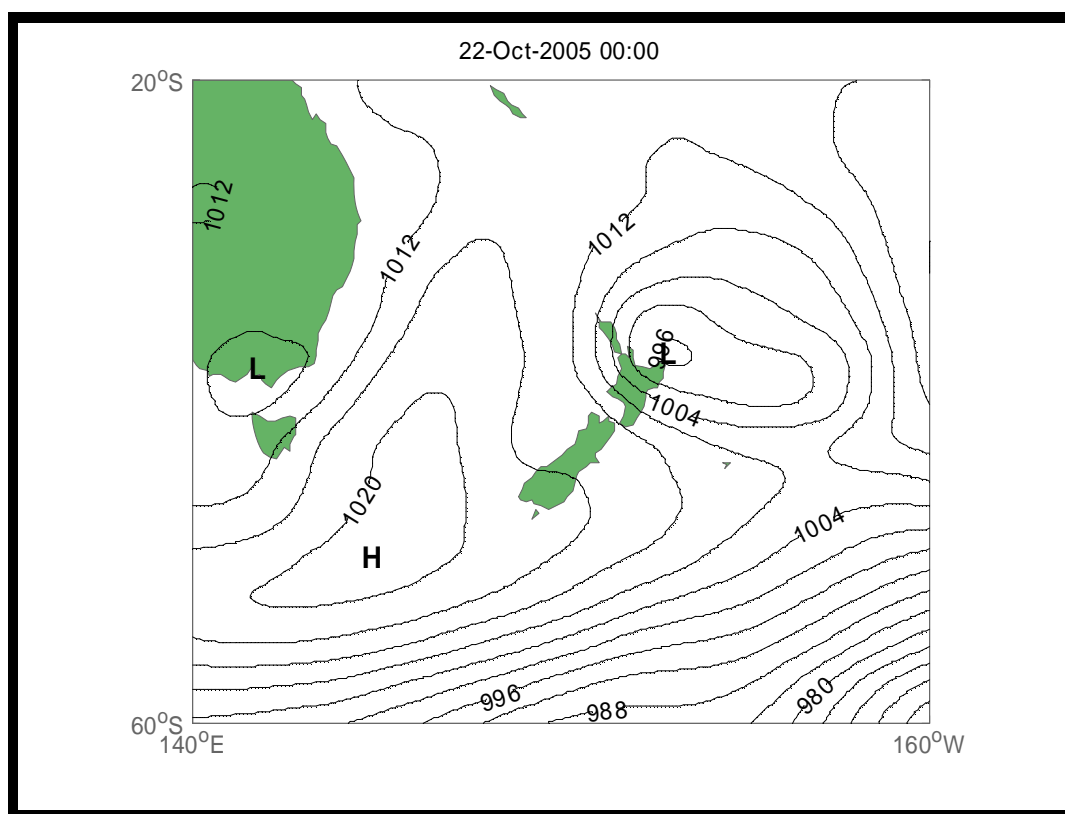


Coastal Storm Database - Event Summary

Date: 21-22 Oct 2005	Wind Direction: S
Event Type: Wind	Gisborne Duration (Hours): -
Location: Gisborne/Wellington	Wellington Duration (Hours): 30
Origin: Subtropics	Pressure Gradient: SE
Type: East Coast Low	



Synoptic Conditions

A cyclone developed off the north Sydney coast, moved through the Tasman sea and then tracked southward down the east coast of the North Island. On the 21st this cyclone become stationary over East Cape and was embedded between two large anticyclone. A strong SE airstream then developed between the Tasman sea anticyclone that covered the South Island and the cyclone over East Cape and affected the eastern North Island. The flow remained strong throughout the 21st due to the Tasman sea anticyclone moving southeast-ward and colliding with the near-stationary cyclone over East Cape.

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	5.2	7
Napier	3.9	9

*Maximum Wave Height

Impact Area

Gisborne

Impacts and Damages

- Some roads impassable with massive scours and drop-outs
- More than 300ha of cropping land inundated on Gisborne and Uawa plains
- Devastation to squash, broccoli, sweetcorn, maize and tomatoes;

Impact Area**Impacts and Damages**

- Poverty Bay flats under water
- Floodwaters around Tolaga Bay
- Water over road on State Highway 35 south of Tolaga Bay, at Tikitiki and Mangatuna

Data Source

- 1 Cropping Devastated By Flooding: Gisborne Herald, 25/10/2005, p4
 - 2 Road Damage Likely to Run to \$millions: Gisborne Herald, 25/10/2005, p3
 - 3 Storm Timeline: Gisborne Herald, 25/10/2005, p2
 - 4 Flood Deals Crop Sector Major Blow: Gisborne Herald, 25/10/2005, p1
 - 5 Biggest Cleanup Since Cyclone Bola Under Way on East Coast: Dominion Post, 24/10/2005, p2
 - 6 Heavy Rain Hitting City & Coast: Gisborne Herald, 21/10/2005, p1
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