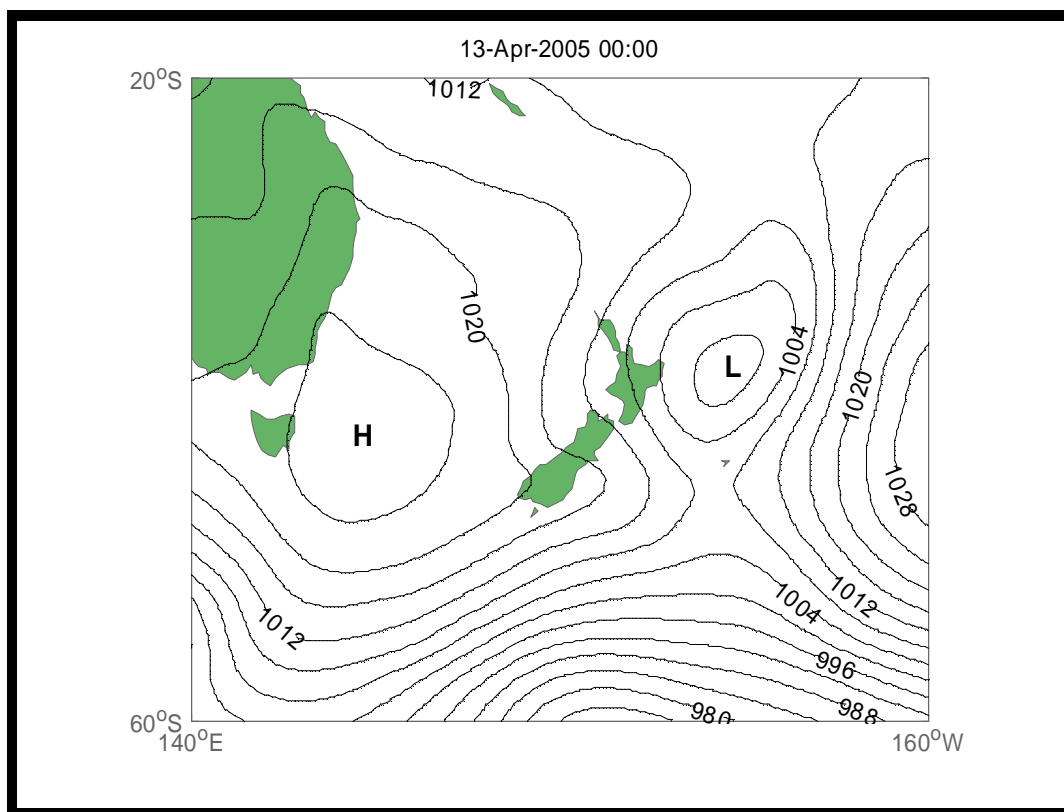


Coastal Storm Database - Event Summary

Date: 12-14 Apr 2005	Wind Direction:
Event Type: Wave	Gisborne Duration (Hours): -
Location: Gisborne	Wellington Duration (Hours): -
Origin: Tasman Sea	Pressure Gradient: NE to ENE
Type: Anticyclonic	



Synoptic Conditions

A large intense anticyclone occupied the NZ region and a ENE to NE airstream developed on its northern side as a trough from the subtropics extended southward towards East Cape. This airstream continued on the 10th and 11th and was directed towards the eastern coast of NZ. This northeast flow generated the large swells experienced on the Gisborne coast and upper South Island.

Sea Conditions

3-5m waves off Banks Peninsula from the NE to E (max height of 10m)
Waves off Gisborne estimated at 2-3m

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	6.7	8
Napier	2.3	12

*Maximum Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
12-Apr-05			45 (S)

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
13-Apr-05			65 (S)
14-Apr-05			56 (S)

Impact Area

Gisborne

Impacts and Damages

- Big seas pounding east coast beaches, with some of largest waves seen off Wainui Beach and Makorori; waves estimated at 8ft (2.5m)

Data Source

- 1 Rider of the Storm: Gisborne Herald, 20/04/2005, p40
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