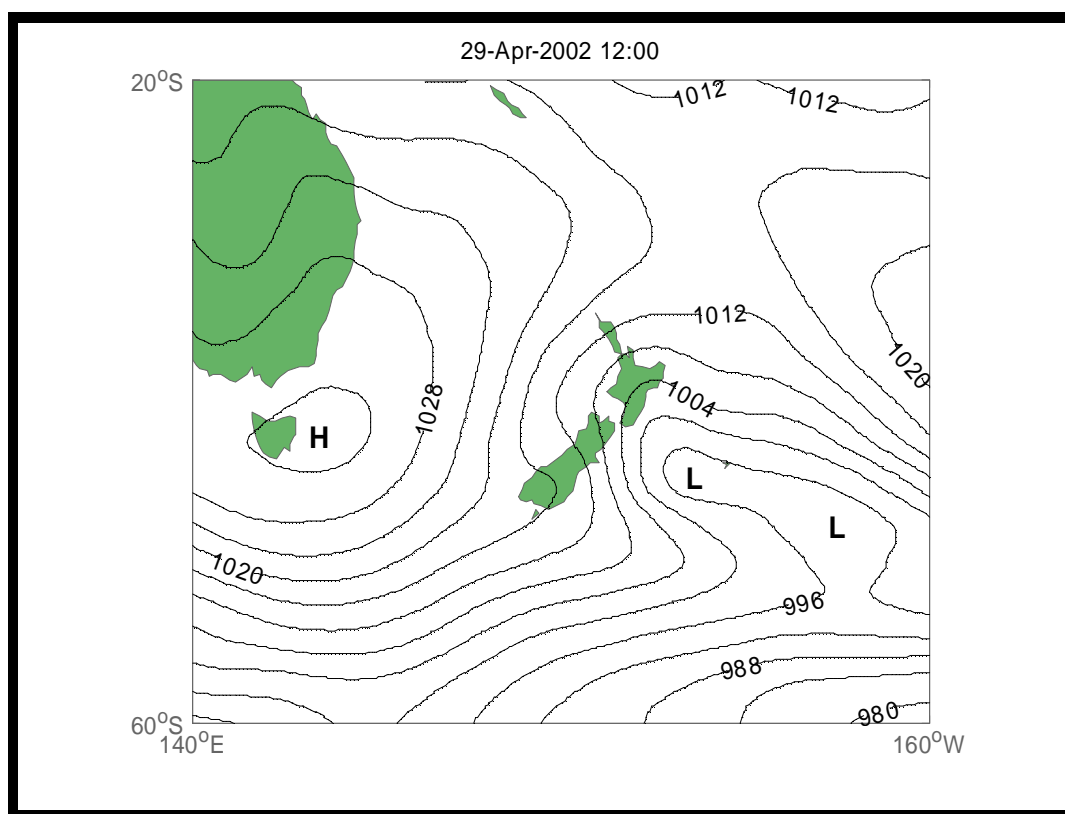


Coastal Storm Database - Event Summary

Date: **29 Apr 2002**
Event Type: **Wind/Wave**
Location: **Wellington**
Origin: **Tasman Sea**
Type: **Trough**

Wind Direction: **SW**
Gisborne Duration (Hours): -
Wellington Duration (Hours): **12**
Pressure Gradient: **S to SSE**



Synoptic Conditions

A secondary cyclone developed from a southern ocean trough west of the South Island and then passed over it. On the 29th the cyclone became a trough and had a strong S to SSE airstream in its wake that swept over the upper South Island and lower North Island. The strong pressure gradient was enhanced by the eastward movement of an intense anticyclone in the Tasman sea. The trough moved away quickly and later on the 29th NZ was covered by high pressures.

Sea Conditions

Swells between 5.5 and 9m off Wellington south coast

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	10.3	8
Napier	2.3	14

*Maximum Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
29-Apr-02			85 (S)

Maximum Wind Gusts (kph and dir)

	Date	Gisborne	Napier	Wellington
<hr/>				
Impact Area	Impacts and Damages			
Wellington	<ul style="list-style-type: none">• Waves washed debris onto road around Moa Point• Cancellation of most ferry crossings; swells ranged from 5.5 to 9m in Cook Stra			

Data Source

- 1 Nine-Metre Seas Stop Ferries: Dominion Post, 30/04/2002, p3
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