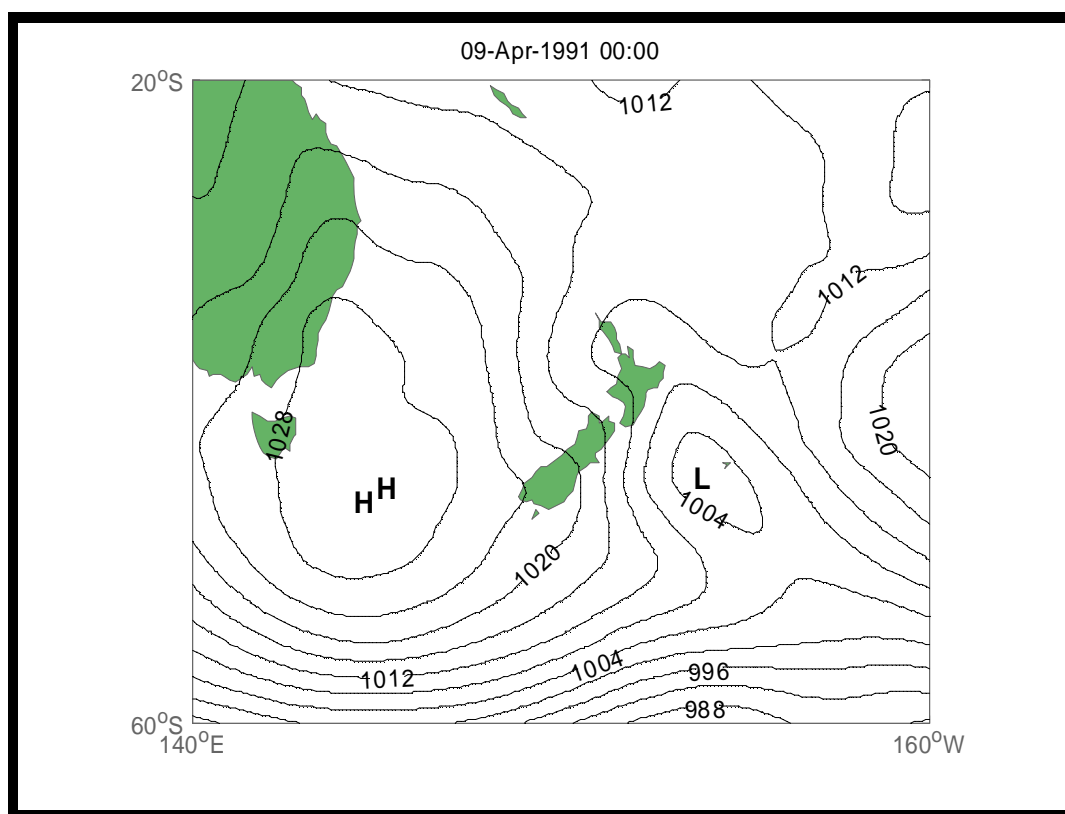


Coastal Storm Database - Event Summary

Date: 8-11 Apr 1991	Wind Direction: S
Event Type: Wind	Gisborne Duration (Hours): -
Location: Wellington	Wellington Duration (Hours): 83
Origin: Southern Ocean	Pressure Gradient: S to SE
Type: Trough	



Synoptic Conditions

A trough extended over NZ and the Chatham Islands as a southern ocean cyclone moved eastward south of NZ. At the same time a large intense anticyclone was south of the Tasman sea and spread onto the South Island. Between these two features a strong southerly swept along the eastern coast of NZ. The trough then formed into a close centre over East Cape on the 10th, and with the intense anticyclone still south of the Tasman sea, a strong SE flow continued over the lower North Island and Cook Strait area. The flow later veered to the south.

Storm Type Sequence: trough - east coast low

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.4	6
Napier	3.0	7
Gisborne	2.9	6

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
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Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
08-Apr-91	57 (NW)		119 (S)
09-Apr-91	91 (S)		109 (S)
10-Apr-91	26 (S)		111 (S)
11-Apr-91	65 (SW)		106 (S)

Impact Area

Gisborne
Napier
Wellington
Wairarapa
Mahia

Impacts and Damages

- Electrical storm; caused power disruptions
- Electrical storm
- Huge swells in Cook Strait forced cargo ship to shelter
- Floodwaters isolated coastal Wairarapa communities of Riversdale, Tinui, Mauriceville, Castlepoint
- Power outage

Data Source

- 1 Wave Sends Ship Scuttling for Port: Evening Post, 12/04/1991, p1
 - 2 Helicopter Rescuers Beat the Darkness: Dominion Post, 12/04/1991, p1
 - 3 Flooding Clean-Up Begins: Dominion Post, 12/04/1991, p3
 - 4 Community Support for Flood-hit Couple: Gisborne Herald, 12/04/1991, p1
 - 5 Storm Lashes Town But Gisborne Spared: Gisborne Herald, 11/04/1991, p1
 - 6 Lightning Keeps Lines Linemen Busy as Storm Rages: Gisborne Herald, 10/04/1991, p1
 - 7 Ship Rolls 60 Degrees: Evening Post, 11/04/1991, p1
 - 8 Cold Snap Grips Wellington for Fourth Day: Evening Post, 11/04/1991, p3
 - 9 Gales Continue to Batter N.Island: Dominion Post, 11/04/1991, p3
 - 10 Flooded Family Waits on Roof for Copter Rescue: Dominion Post, 11/04/1991, p1
 - 11 Capital Shivers in Winter Taster: Evening Post, 9/04/1991, p1
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