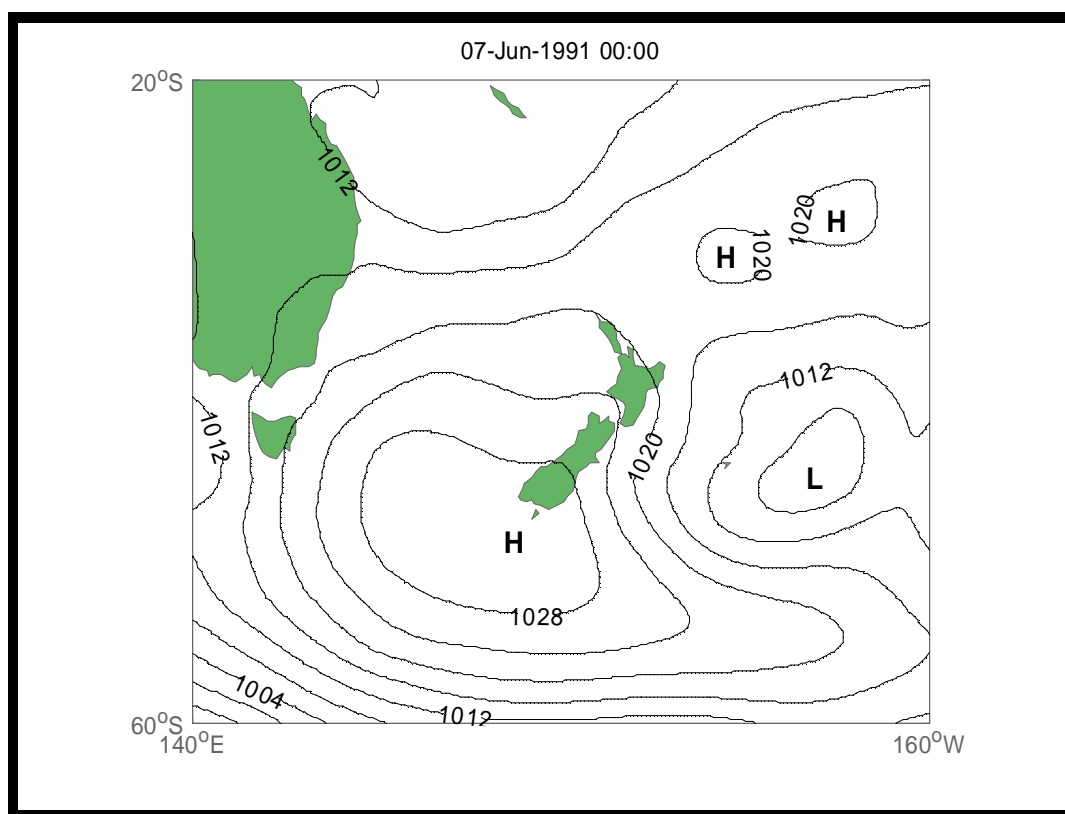


Coastal Storm Database - Event Summary

Date: 6-10 Jun 1991	Wind Direction: S
Event Type: Wind	Gisborne Duration (Hours): 14
Location: Gisborne/Wellington	Wellington Duration (Hours): 100
Origin: Southern Ocean	Pressure Gradient: S to SSE
Type: East Coast Secondary Low	



Synoptic Conditions

An anticyclone from the subtropics (near Brisbane) moved southeast-ward and was off the bottom of the South Island on the 6th with a large ridge to the northeast. A south to SSE airflow developed on its eastern side due to the presence of a secondary low over the Chatham Islands. This cyclone and then its trough remained near the Chathams through till the 7th and maintained a strong SSE over the eastern North Island as the anticyclone intensified and moved eastward. The trough then merged with a large area of low pressure north of NZ and developed into a closed cyclone well to the northeast of East Cape on the 8th. This cyclone acted to maintain the strong SSE pressure gradient over the eastern North Island through to the 11th.

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.6	8
Napier	3.5	8
Gisborne	4.1	8

*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
06-Jun-91	35 (N)		82 (S)
07-Jun-91	52 (SW)		95 (S)
08-Jun-91	85 (S)		85 (S)
09-Jun-91	72 (S)		113 (S)
10-Jun-91	56 (S)		122 (SW)

Impact Area

Gisborne
Wellington

Impacts and Damages

- Snow in hill country
- Hailstorm

Data Source

- 1 N Island Cold Snap Expected to Ease: Dominion Post, 11/06/1991, p3
 - 2 Snowfalls add Extra Icy Touch: Gisborne Herald, 11/06/1991, p1
 - 3 Hailstorm Causes Six Accidents: Evening Post, 10/06/1991, p1
 - 4 Weather Not as Bad as Its Sounds: Evening Post, 8/07/1991, p1
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