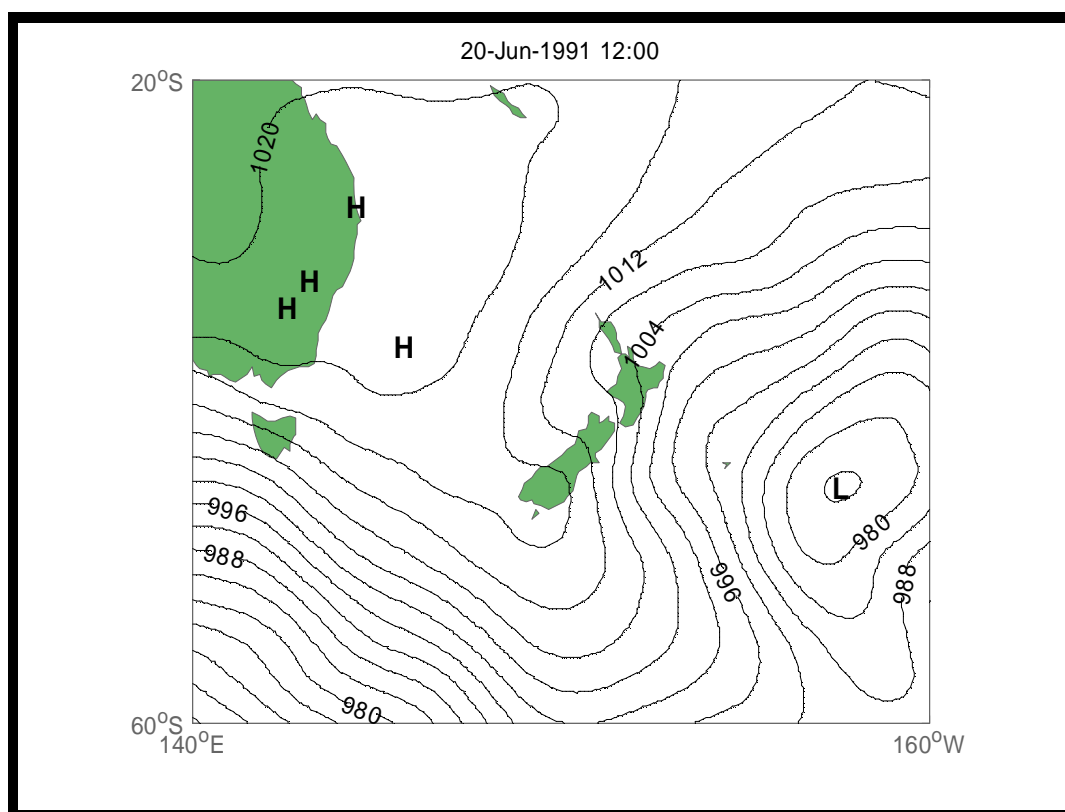


# Coastal Storm Database - Event Summary

Date: <b>20-21 Jun 1991</b>	Wind Direction: <b>S</b>
Event Type: <b>Wind</b>	Gisborne Duration (Hours): <b>-</b>
Location: <b>Wellington</b>	Wellington Duration (Hours): <b>32</b>
Origin: <b>Southern Ocean</b>	Pressure Gradient: <b>S to SSE</b>
Type: <b>Trough</b>	



## Synoptic Conditions

A trough passed over NZ and a secondary cyclone formed east of Hawkes Bay. On the 20th this cyclone was east of the Chatham Islands with its western side lingering over eastern NZ. At the same time a large anticyclone from the subtropics extended a ridge to the southeast over the South Island. Between this ridge and trough a strong southerly airstream was created and swept over the eastern coastline.

## Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.2	10
Napier	4.3	9
Gisborne	5.1	8

\*Highest Significant Wave Height

## Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
20-Jun-91	63 (S)		117 (S)
21-Jun-91			83 (S)

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**Impact Area**

Gisborne  
Wellington

**Impacts and Damages**

- Snow in hill country
  - Snow around city and on hills
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**Data Source**

- 1 Snow Settles in Back Country: Gisborne Herald, 21/06/1991, p1
  - 2 Wellington Shivers as Snow Settles: Evening Post, 21/06/1991, p1
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