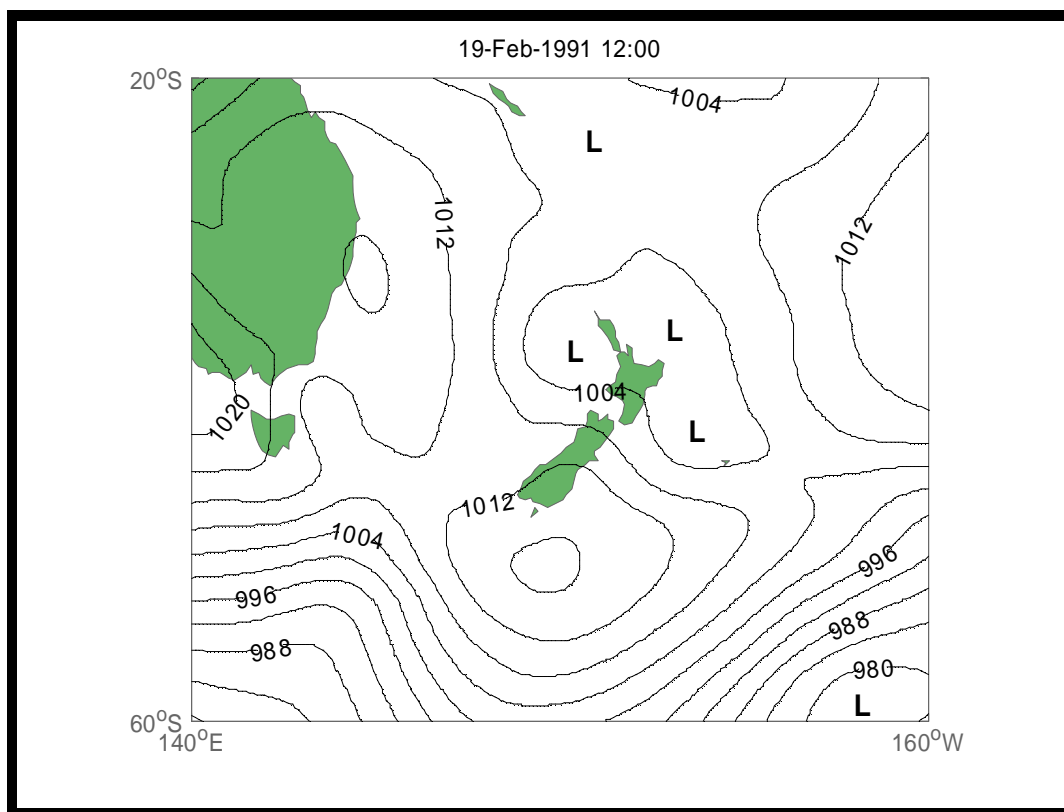


# Coastal Storm Database - Event Summary

Date: <b>19-20 Feb 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>25</b>
Origin: <b>Tasman Sea</b>	Pressure Gradient: <b>SE</b>
Type: <b>Cyclone-Anticyclone Pair</b>	



## Synoptic Conditions

A cyclone from the continental southeastern Australia moved southeast-ward across the Tasman sea, and upon reaching the bottom of the South Island extended a trough eastward over the Chatham Islands. On the 19th this cyclone covered the North Island and Chatham Islands area and a large anticyclone was directly southward over the South Island. Between these systems a SE flow developed and swept through the Cook Strait area.

## Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	2.4	6
Napier	1.8	6
Gisborne	2.1	6

\*Highest Significant Wave Height

## Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
19-Feb-91	48 (S)		89 (S)
20-Feb-91	50 (S)		59 (S)

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**Data Source**

- 1 Gale hits Capital: Evening Post, 19/02/1991, p1
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