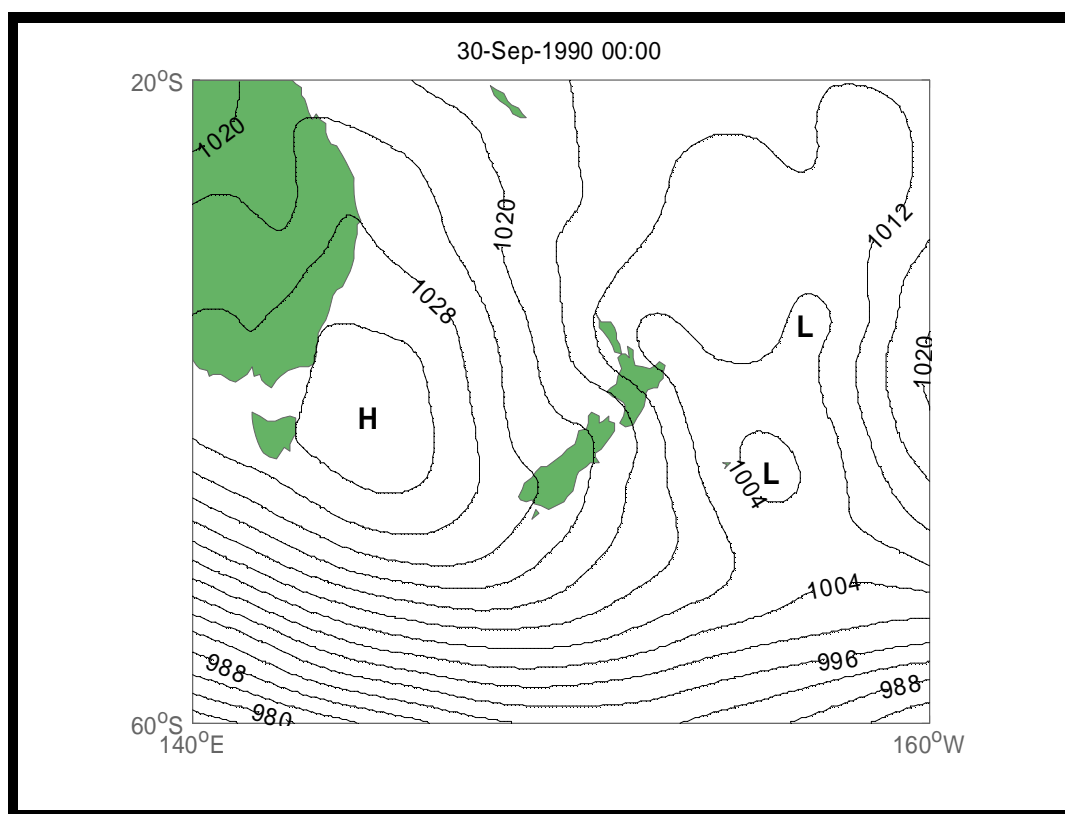


# Coastal Storm Database - Event Summary

Date: <b>29-1 Oct 1990</b>	Wind Direction: <b>S</b>
Event Type: <b>Wind</b>	Gisborne Duration (Hours): <b>14</b>
Location: <b>Gisborne/Wellington</b>	Wellington Duration (Hours): <b>49</b>
Origin: <b>Southern Ocean</b>	Pressure Gradient: <b>S to SE</b>
Type: <b>East Coast Secondary Low</b>	



## Synoptic Conditions

A trough of low pressure from the southern ocean passed over NZ on the 28th. On the 29th it was over the North Island and Chatham Islands and had a large intense anticyclone to the westward in the Tasman sea. Between these two systems a strong southerly flow swept through the Cook Strait area and then spread up the eastern North Island. The flow then veered to the SE as a ridge spread eastward across the South Island. On the 1st the trough developed into a secondary cyclonic system just north of East Cape and the SE flow remained over the eastern North Island.

## Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.0	7
Napier	3.1	7
Gisborne	3.3	7

\*Highest Significant Wave Height

## Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
29-Sep-90	45 (S)		87 (S)

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**Maximum Wind Gusts (kph and dir)**

Date	Gisborne	Napier	Wellington
30-Sep-90	93 (SE)		83 (S)
01-Oct-90	85 (SE)		70 (SE)

**Impact Area**

Wellington

**Impacts and Damages**

- Snow on Rimutaka hills

**Data Source**

- 1 Rivers Rise Quickly During Sneak Storm: Gisborne Herald, 1/10/1990, p1
  - 2 Snow Closes Roads; Sleet Chills Capital: Evening Post, 1/10/1990, p1
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