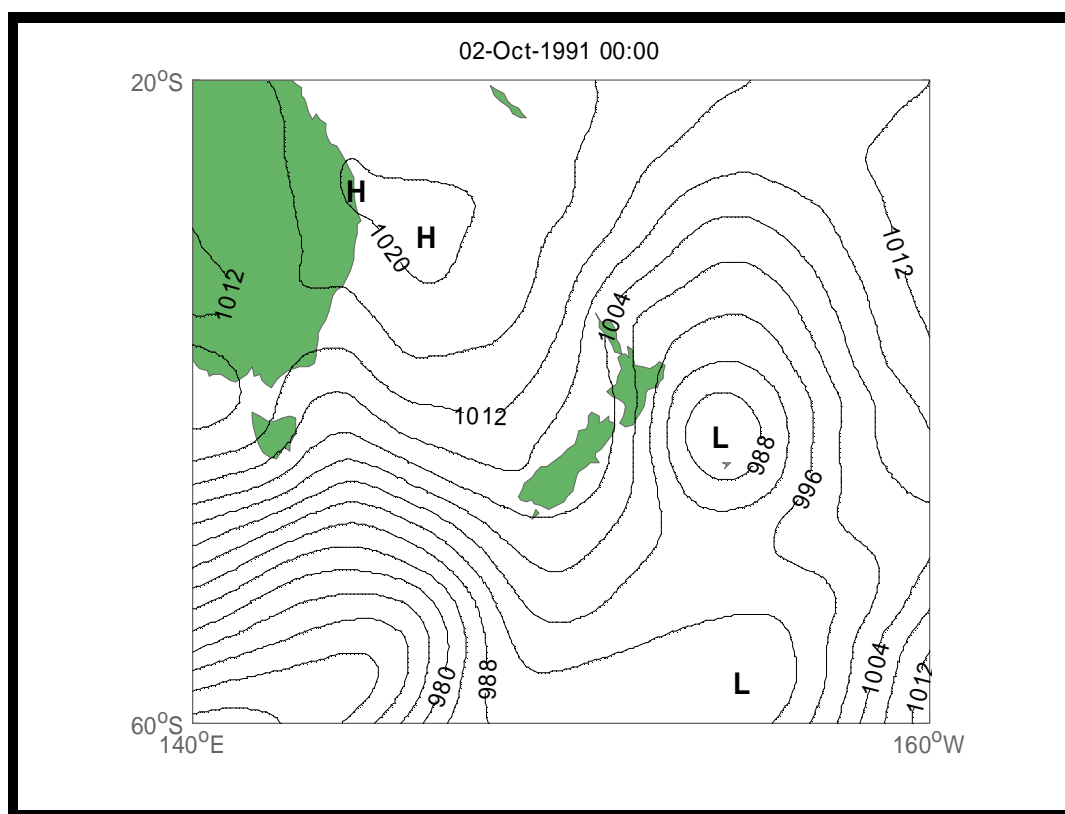


# Coastal Storm Database - Event Summary

Date: <b>1-2 Oct 1991</b>	Wind Direction: <b>S</b>
Event Type: <b>Wind/Wave</b>	Gisborne Duration (Hours): <b>-</b>
Location: <b>Wellington</b>	Wellington Duration (Hours): <b>16</b>
Origin: <b>Eastern NZ</b>	Pressure Gradient: <b>S</b>
Type: <b>East Coast Secondary Low</b>	



## Synoptic Conditions

A trough passed over NZ and a cyclone centre developed east of the North Island. At the same time a large anticyclone was north of the Tasman sea with a ridge to the southeast over the South Island. Between these systems a strong southerly airstream developed on the western side of the cyclone and swept over the eastern North Island.

## Sea Conditions

Waves estimated at 10m in Cook Strait

## Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	2.2	6
Napier	2.6	6
Gisborne	3.5	7

\*Highest Significant Wave Height

## Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
01-Oct-91	78 (NW)		122 (S)

---

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

	<b>Date</b>	<b>Gisborne</b>	<b>Napier</b>	<b>Wellington</b>
	02-Oct-91	63 (SW)		98 (S)
<hr/>				
<b>Impact Area</b>	<b>Impacts and Damages</b>			
Gisborne	● Hailstorm damages to crops			
Wellington	● Waves estimated at 10m in Cook Strait forced turn-around of ferry Aratika; late crossings cancelled			

---

**Data Source**

- 1 Three Report Damage to Vines: Gisborne Herald, 2/10/1991, p12
  - 2 Safe After Bad Night on Aratika: Gisborne Herald, 2/10/1991, p12
  - 3 Captains Worst Trip in 10 Years: Evening Post, 2/10/1991, p3
  - 4 Wahine Disaster on Captains Mind: Evening Post, 2/10/1991, p1
  - 5 Huges Seas force Cook Strait Ferry to Make for Shelter: Dominion Post, 2/10/1991, p1
-