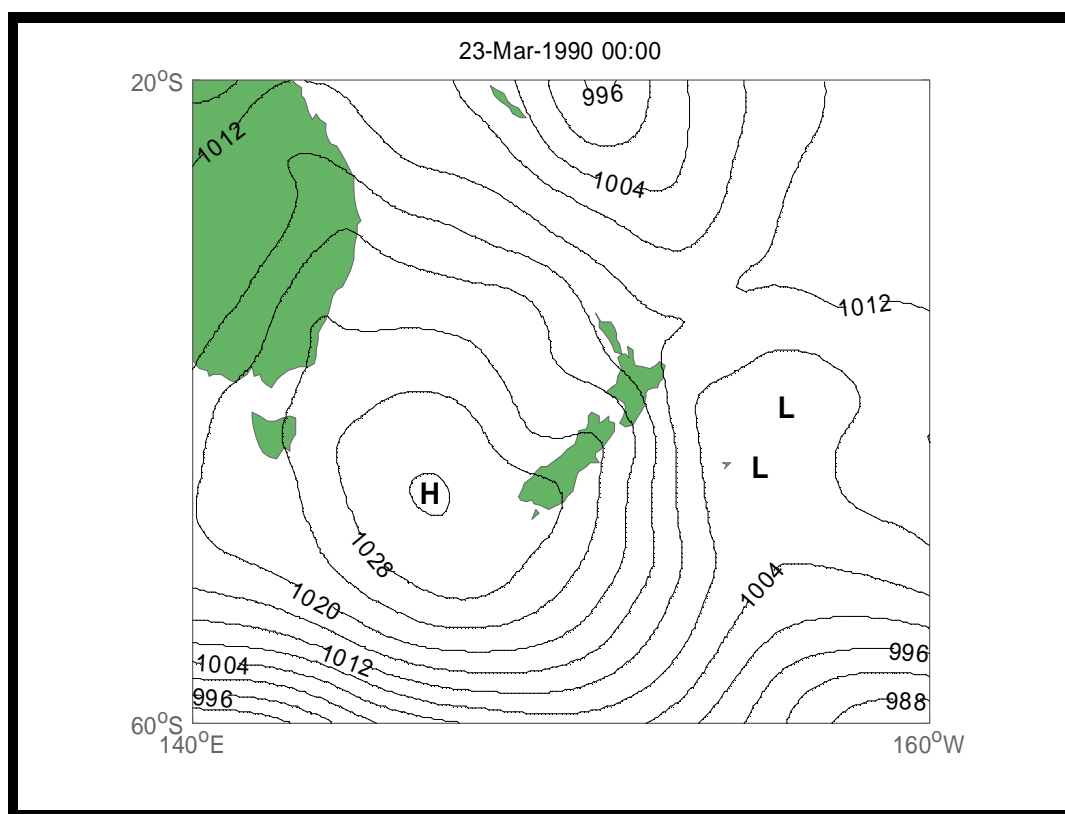


Coastal Storm Database - Event Summary

Date: 22-24 Mar 1990	Wind Direction: S
Event Type: Wind/Wave	Gisborne Duration (Hours): 13
Location: Gisborne/Wellington	Wellington Duration (Hours): 35
Origin: Southern Ocean	Pressure Gradient: S to SSE
Type: Trough	



Synoptic Conditions

An anticyclone from the Great Australian Bight moved eastward into the Tasman sea and covered NZ on the 22nd. On its eastern flank a strong S to SSE developed over the eastern North Island as it clashed with a trough of low pressure over and east of the Chatham Islands.

Sea Conditions

Large waves along East Coast
Waves estimated at 4m in Cook Strait

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	4.4	7
Napier	5.7	9
Gisborne	6.9	9

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
22-Mar-90	83 (S)		102 (S)

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
23-Mar-90	91 (S)		113 (S)
24-Mar-90	76 (S)		61 (S)

Impact Area

Gisborne

Impacts and Damages

- Heavy seas in Cook Strait, estimated at 4m
- Large waves smashing into harbour breakwater

Data Source

- 1 Seaman in Coma Winched from Ship: Gisborne Herald, 26/03/1990, p1
- 2 Winds Give District Real Lashing: Gisborne Herald, 24/03/1990, p3
- 3 Winds and Rain; Mercury Dives: Evening Post, 23/03/1990, p1