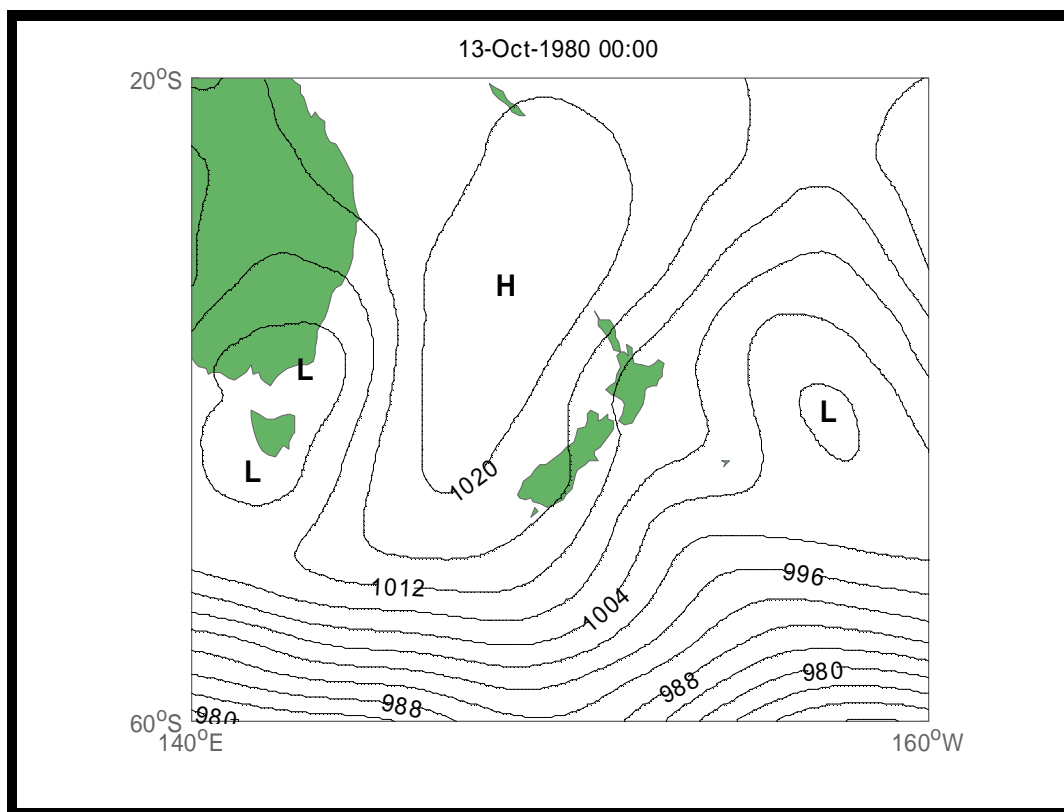


Coastal Storm Database - Event Summary

Date: 12-13 Oct 1980	Wind Direction:
Event Type: Wave	Gisborne Duration (Hours): -
Location: Gisborne	Wellington Duration (Hours): -
Origin: Southern Ocean	Pressure Gradient: SW to SSW
Type: Trough	



Synoptic Conditions

A large trough covered NZ and the Chatham Islands and the SW airstream on its western side spread across NZ. However, a particularly strong pressure gradient was not observed. This trough is the only possible mechanism for creating the big southerly swells in Gisborne.

Sea Conditions

Big swells in Gisborne

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	2.4	6
Napier	2.7	7
Gisborne	3.3	7

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
12-Oct-80	30 (W)	32 (W)	26 (S)
13-Oct-80	67 (S)	52 (W)	80 (SW)

Impact Area

Gisborne

Impacts and Damages

- Big swells in Poverty Bay; heavy south swells

Data Source

- 1 Weather Gives Mock Rescues Authenticity: Gisborne Herald, 14/10/1980, p16
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