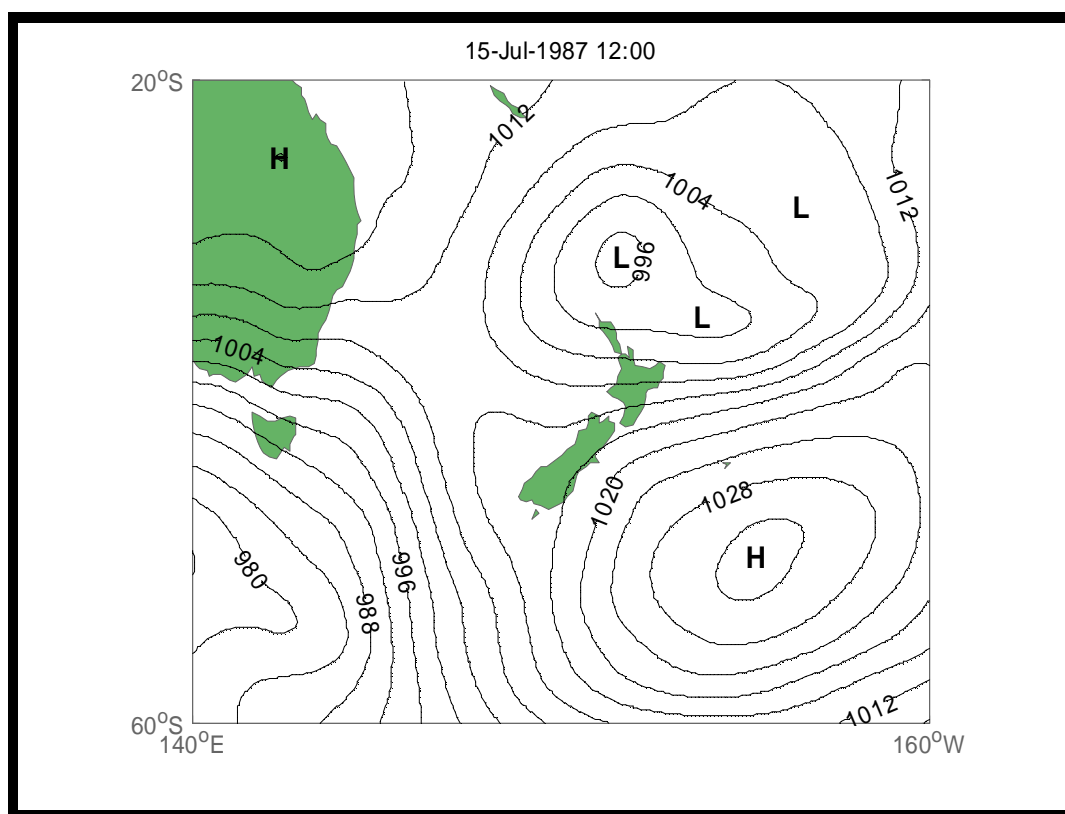


Coastal Storm Database - Event Summary

Date: 15 Jul 1987	Wind Direction: E
Event Type: Wind/Erosion	Gisborne Duration (Hours): 8
Location: Gisborne	Wellington Duration (Hours): -
Origin: Tasman Sea	Pressure Gradient: ENE to E
Type: Cyclone-Anticyclone Pair	



Synoptic Conditions

A cyclone developed off Tasmania and moved northeast-ward to be off North Cape on the 15th. At the same time a large intense anticyclone was south of Chatham Islands. Between these two systems a strong ENE airstream swept over the eastern North Island.

Sea Conditions

Estimated 4.5m swell on Gisborne coast

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	4.4	8
Napier	5.0	10
Gisborne	5.3	10

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
15-Jul-87	74 (E)	67 (E)	56 (E)

Impact Area

Gisborne

Impacts and Damages

- Severe erosion scarp at the mouth of Wainui Stream, and protective gabion baskets exposed around Cooper Street at Wainui Beach
- 4.5m southerly swell estimated at Wainui Beach
- Surface flooding and minor slipping around city
- Series of power failures

Data Source

- 1 Services Disrupted As Rain Continues: Gisborne Herald, 16/07/1987, p1
 - 2 Winds, Tides Create Chaos: Gisborne Herald, 15/07/1987, p3
 - 3 Area Buffeted: Gisborne Herald, 15/07/1987, p1
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