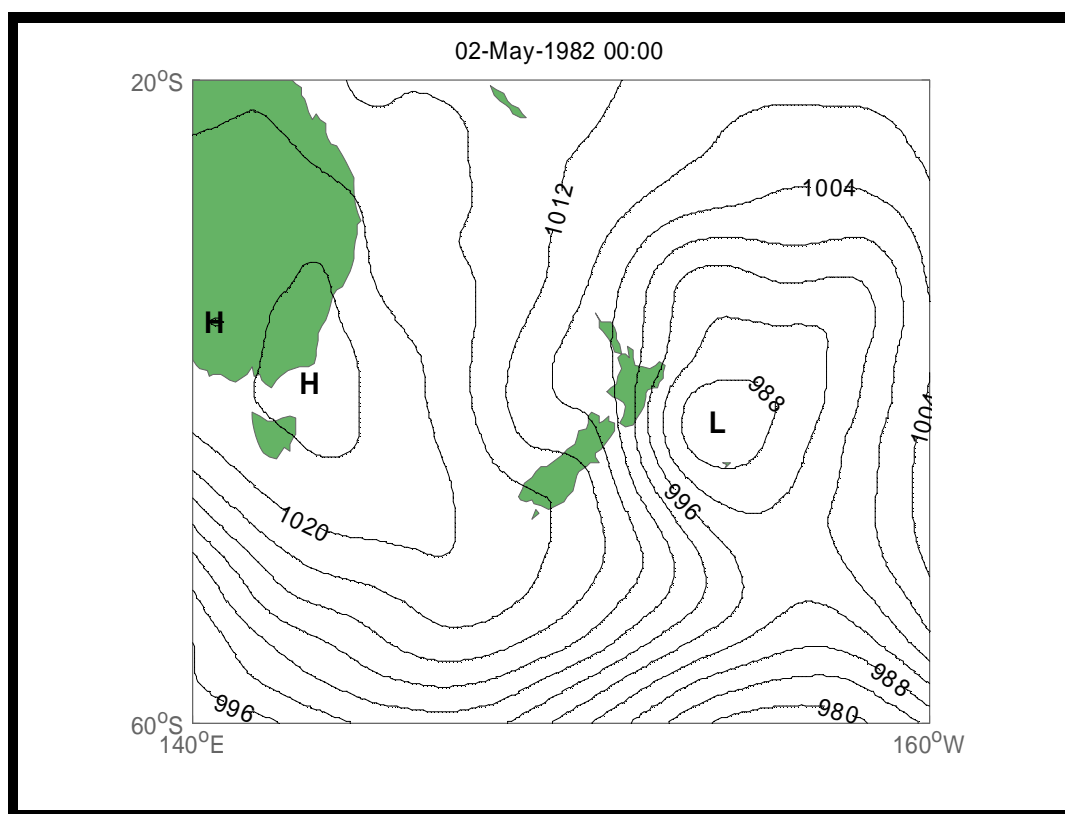


Coastal Storm Database - Event Summary

Date: 1-2 May 1982	Wind Direction: S
Event Type: Wind/Wave	Gisborne Duration (Hours): 7
Location: Gisborne/Wellington	Wellington Duration (Hours): 39
Origin: Tasman Sea	Pressure Gradient: S to SSE
Type: East Coast Low	



Synoptic Conditions

A cyclone formed in the south Tasman sea from a southern ocean trough and crossed NZ to be north of the Chathams on the 1st. Its western portion completely covered the North Island with a very strong southerly airstream, particularly over the lower North Island. The pressure gradient strength was supported by a ridge of high pressure across the South Island. With the eastward movement of the anticyclone over southeastern Australia and cyclone the flow veered to the SSE on the 2nd and was strongest over the upper North Island.

Sea Conditions

Waves estimated at 10m in Cook Strait

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	4.1	8
Napier	4.3	8
Gisborne	5.4	8

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
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Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
01-May-82	45 (SW)	93 (SW)	121 (S)
02-May-82	82 (S)	83 (SW)	111 (S)

Impact Area

Gisborne
Wellington

Impacts and Damages

- Fallen tree's disrupted power supplies
- Parts of breakwater near Moa Point Road destroyed by high seas
- Driftwood and debris over road between Eastbourne and Lowry Bay closed the road
- Cook Strait ferry 'Aranui' turned around due to 10m waves; six further sailings cancelled
- Waves crossed breakwater and scoured out ballast on railway link near Ngauranga

Data Source

- 1 Gale Foils Ferry and Jet: Dominion Post, 3/05/1982, p5
- 2 Bad, But Not as Bad as Easter: Gisborne Herald, 3/05/1982, p16