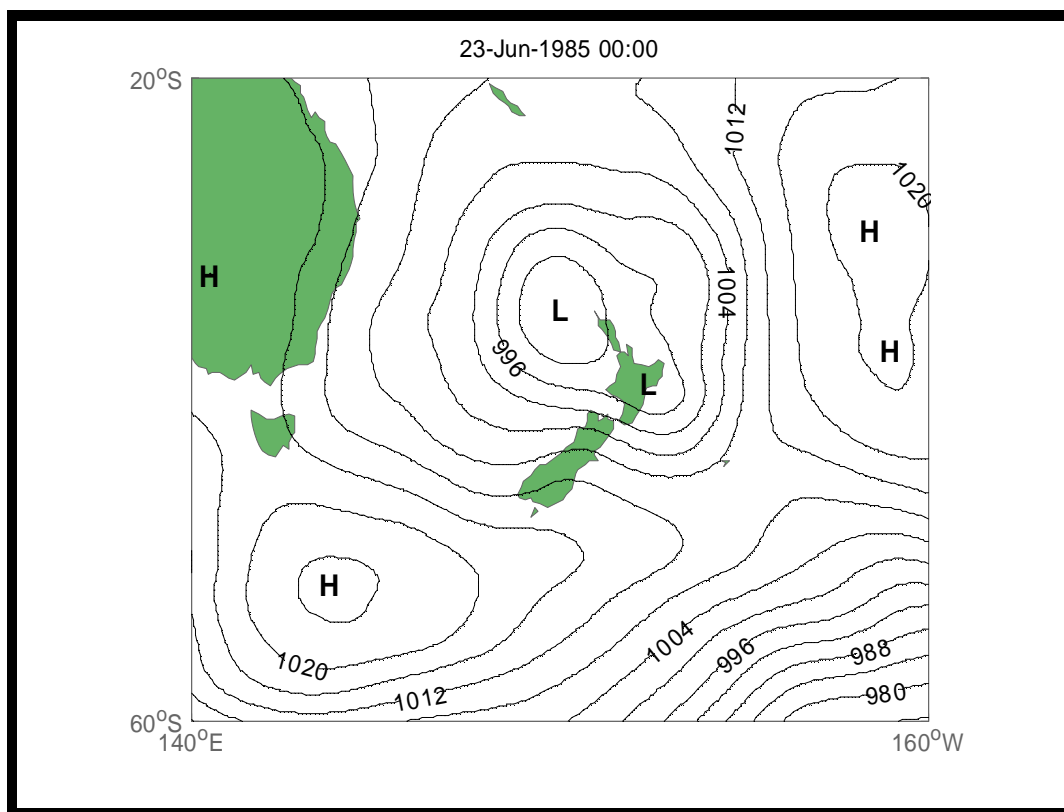


Coastal Storm Database - Event Summary

Date: 22-24 Jun 1985	Wind Direction: S
Event Type: Wind/Wave	Gisborne Duration (Hours): -
Location: Gisborne/Wellington	Wellington Duration (Hours): 54
Origin: Subtropics	Pressure Gradient: E to SE
Type: East Coast Low	



Synoptic Conditions

A cyclone developed near east of Sydney (near 33S) from the trough of a southern ocean cyclone and moved towards NZ. The onset of strong winds, initially from the E to ESE, were caused by the southern sector of the cyclone and swppt through the Cook Strait area. The cyclone then crossed central NZ, and when it was situated over the Chatham Islands the airstream veered to the SE and intensified over the upper South Island and lower North Island. The presence of a large anticyclone south of NZ assisted in the strong pressure gradient. As both the anticyclone and cyclone moved eastward the SE wind spread up the North Island.

Sea Conditions

Mountainous seas in Cook Strait and along East Coast

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	4.0	8
Napier	3.7	8
Gisborne	4.0	9

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
22-Jun-85	50 (NE)	54 (NE)	102 (S)
23-Jun-85	37 (W)	67 (SW)	109 (S)
24-Jun-85	72 (S)	46 (S)	111 (S)

Impact Area

Gisborne
Wellington

Impacts and Damages

- Big seas in Poverty Bay
- Slips on road to Eastbourne
- Airport closed and 45 flights cancelled
- Mountainous seas in Cook Strait
- Rail services disrupted along the exposed Ngauranga water edge
- Yachts ripped from moorings around harbour
- High seas left driftwood along 100m of East Cape Road with is usually 30m from shoreline (Te Araroa)

Data Source

- 1 Wintry Walk along the Waterfront: Gisborne Herald, 25/06/1985, p12
 - 2 Roofs Ripped off as Storm Lashes Township: Gisborne Herald, 24/06/1985, p12
 - 3 Storm Damages, Mount Homes, Brings Ski Snow: Evening Post, 24/06/1985, p2
 - 4 Southerly Affects Travellers: Evening Post, 24/06/1985, p11
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