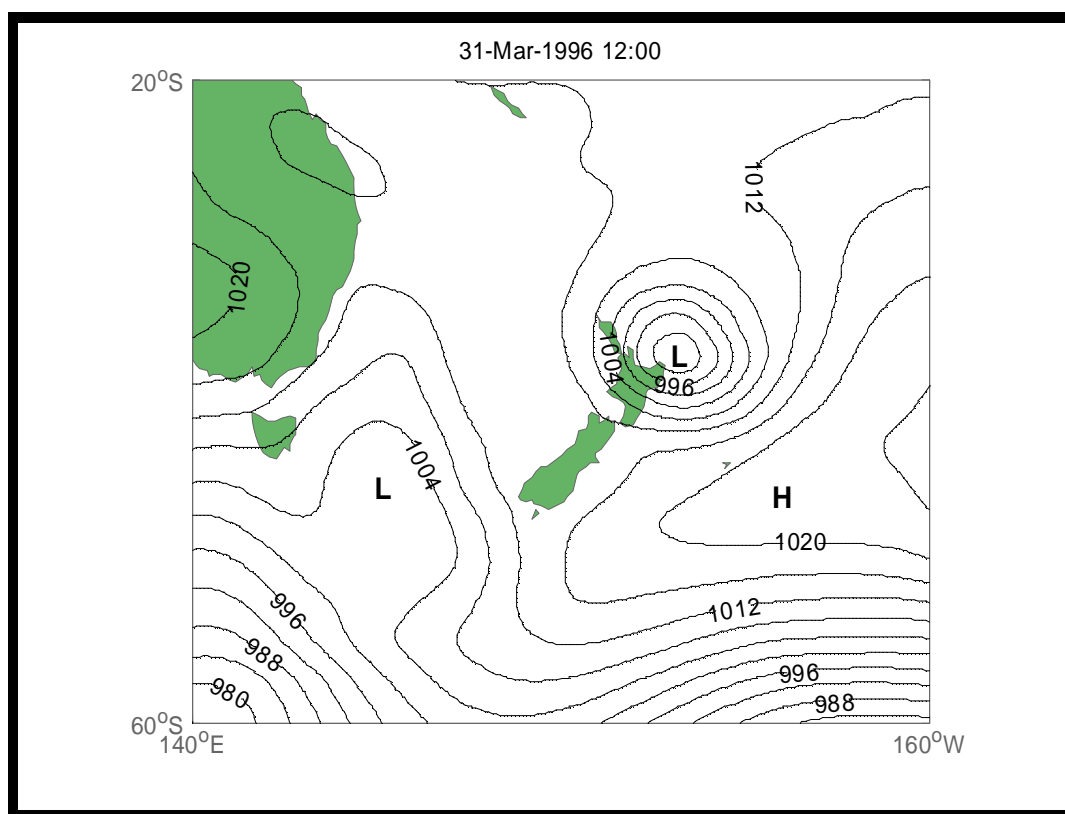


Coastal Storm Database - Event Summary

Date: 30-31 Mar 1996	Wind Direction:
Event Type: Wave	Gisborne Duration (Hours): -
Location: Gisborne	Wellington Duration (Hours): -
Origin: Subtropics	Pressure Gradient: E to SE
Type: East Coast Low	



Synoptic Conditions

A cyclone from the subtropics (north of New Caledonia) moved southeast-ward towards NZ between 26th and 29th at a time when NZ was covered by a large anticyclone. On the 30th this cyclone was northeast of East Cape and a strong E to ESE airstream swept over the upper eastern North Island and on the 31st covered the entire eastern North Island with a stronger E to ESE winds. This cyclone was situated just off East Cape and sat atop a ridge of high pressure and remained there until the 1st.

Sea Conditions

Hindcast waves reached 6m

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.4	8
Napier	6.0	9
Gisborne	6.2	9

*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
30-Mar-96			19 (NE)
31-Mar-96			59 (S)

Impact Area

Gisborne

Impacts and Damages

- Major road damages on roads north of city; damage bill estimated at \$1.2million
- Trees and power poles toppled causing power outages
- Strong gusty winds lifted roofing iron off two houses
- Widespread surface flooding closed state highways north and south of city

Data Source

- 1 Work Begins on Flood-Hit Roads, Bridge Log-Jams: Gisborne Herald, 2/04/1996, p1
- 2 Area Awash But Damage Minimal: Gisborne Herald, 1/04/1996, p1