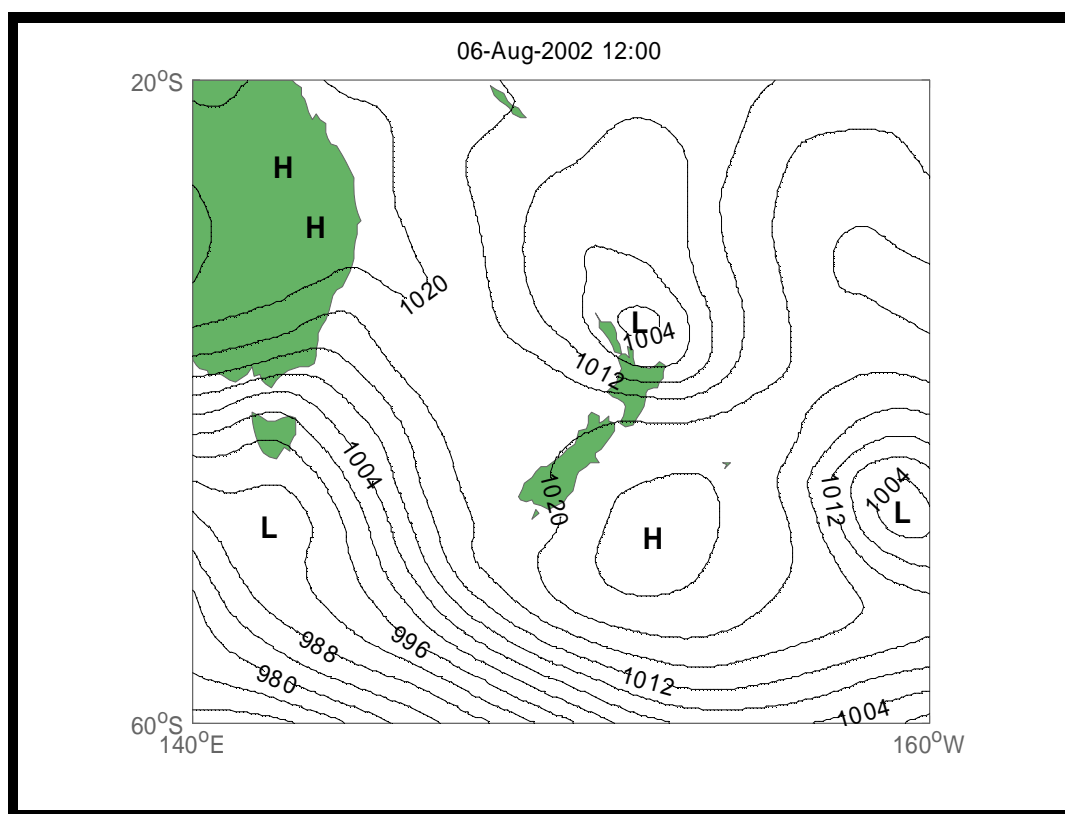


Coastal Storm Database - Event Summary

Date: 5-6 Aug 2002	Wind Direction: SE
Event Type: Wind/Wave	Gisborne Duration (Hours): 11
Location: Gisborne/Napier	Wellington Duration (Hours): -
Origin: Tasman Sea	Pressure Gradient: E to ESE
Type: Cyclone-Anticyclone Pair	



Synoptic Conditions

A cyclone developed off Bass Strait, crossed the Tasman sea and then passed over Northland. On the 5-6th, the cyclone was in the Bay of Plenty and sat atop a large anticyclone south of the Chatham Islands. Between these two systems a strong E to ESE airstream developed on its southern side and swept over the upper eastern North Island.

Sea Conditions

Estimated 5m waves at East Cape

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.4	6
Napier	3.2	9

*Maximum Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
05-Aug-02			48 (SE)
06-Aug-02			54 (SE)

Impact Area

Gisborne

Impacts and Damages

- Slips closed roads on state highway 35 up to East Cape
- Surface flooding of roads around city
- Serious flooding around district (mostly inland - Muriwai, Manutuke, Ngatapa)

Data Source

- 1 After the Rain the Clean-Up Begins: Gisborne Herald, 8/08/2002, p2
 - 2 Flood 2002: Gisborne Herald, 8/08/2002, p1
 - 3 Roads Affected all Over District: Gisborne Herald, 7/08/2002, p2
 - 4 Exciting Hours at East Cape: Gisborne Herald, 7/08/2002, p2
 - 5 Lucky Escape as Rain Stops: Gisborne Herald, 7/08/2002, p1
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