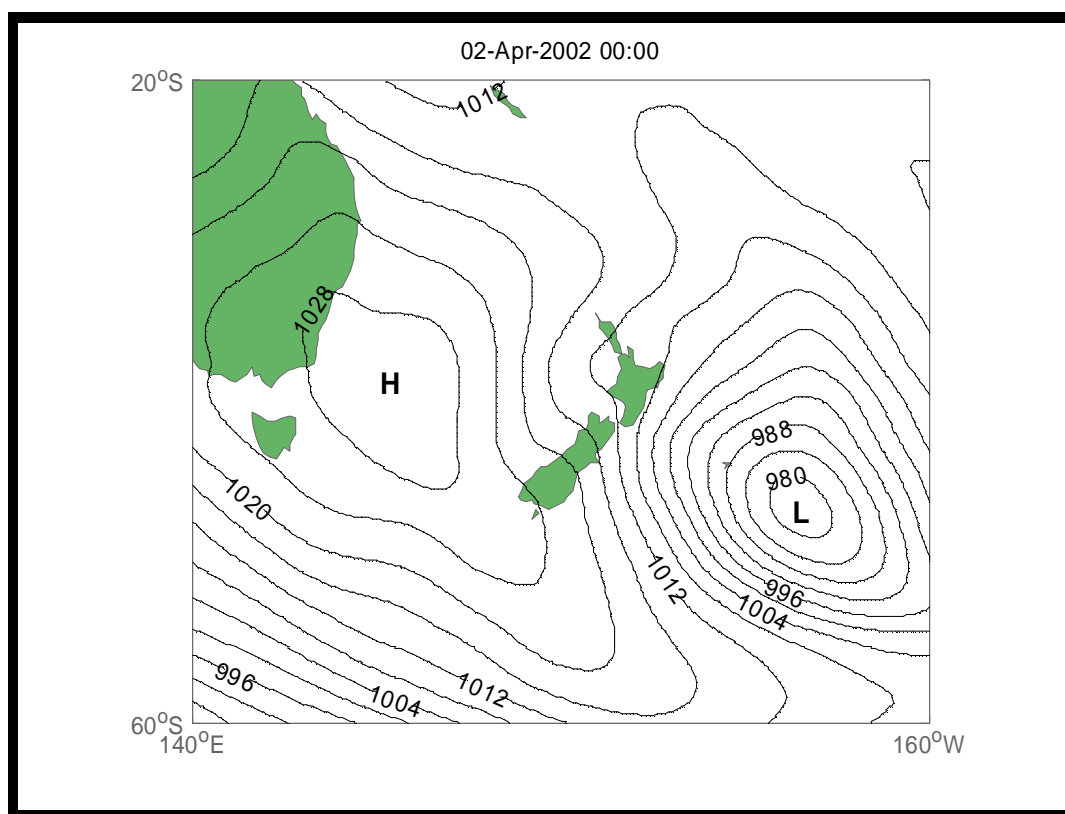


Coastal Storm Database - Event Summary

Date: 1-3 Apr 2002	Wind Direction: S
Event Type: Wind/Wave/Erosion	Gisborne Duration (Hours): -
Location: Gisborne/Wellington	Wellington Duration (Hours): 44
Origin: Southern Ocean	Pressure Gradient: S to SSW
Type: East Coast Low	



Synoptic Conditions

A cyclone from the southern ocean moved northeast-ward and on the 31st was over the Chatham Islands where it also covered NZ. On the 1st this cyclone had moved southeast-ward of the Chathams and the immense size meant it still covered the North Island. At the same time a large intense anticyclone had moved onto the South Island. Between these two systems a strong S to SSW airstream developed and swept over the eastern North Island and through Cook Strait. The intense pressure gradient was generated by the eastward movement of an anticyclone in the Tasman sea during which the cyclone southeast of the Chathams Islands remained near-stationary. This large cyclone remained south or east of the Chathams through till the 3rd, and this slow movement could be attributed to the presence of a large anticyclone east of 140W restricting its eastward progress.

Sea Conditions

Swell up to 8m reported in Cook Strait

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	2.1	6
Napier	6.1	16

*Maximum Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
01-Apr-02			87 (S)
02-Apr-02			89 (SW)
03-Apr-02			70 (S)

Impact Area

Wellington

Impacts and Damages

- Swells upto 7-8m reported in Cook Strait
- Lynx Fast ferry cancelled

Data Source

- 1 Ferry Passengers on Move at Last: Gisborne Herald, 3/04/2002, p4
- 2 Rough Strait Causes Delays: Gisborne Herald, 2/04/2002, p21
- 3 2000 Holiday Makers Stranded: Dominion Post, 1/04/2002, p3