

Coastal Storm Database - Event Summary

Date: **10-12 Oct 2001**

Wind Direction: **S**

Event Type: **Wind**

Gisborne Duration (Hours): **-**

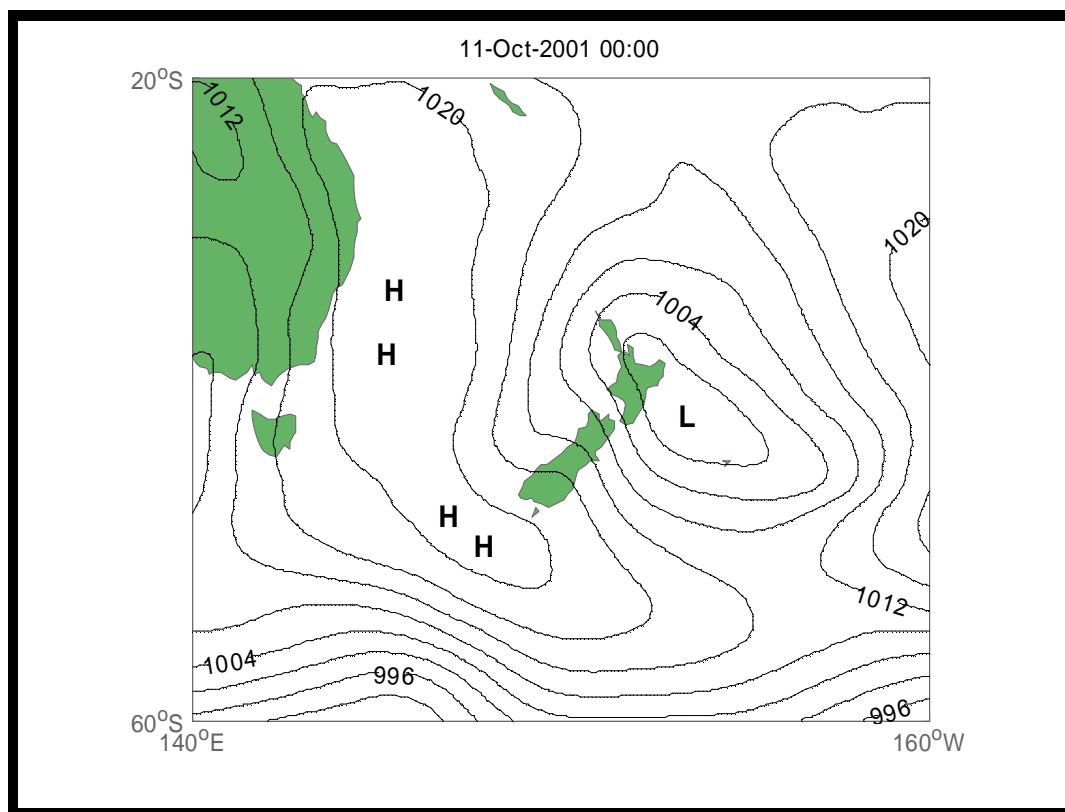
Location: **Wellington**

Wellington Duration (Hours): **43**

Origin: **Tasman Sea**

Pressure Gradient: **SE**

Type: **East Coast Low**



Synoptic Conditions

A cyclone from west of Tasmania travelled eastward and through Cook Strait. On the 10th the cyclone was off the Wairarapa coast and had a southern ridge beneath it. Between this ridge and cyclone developed a SSE to SE airstream over the lower North Island and through Cook Strait. This strong flow then moved up the eastern North Island on the 11th as the ridge strengthened over the South Island and forced the cyclone northeast-ward.

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	11.8	9
Napier	3.2	10

*Maximum Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
10-Oct-01			93 (S)
11-Oct-01			96 (S)
12-Oct-01			59 (S)

Impact Area

Gisborne
Wellington

Impacts and Damages

- Electrical storm
 - Roofs lifted and tree's uprooted
 - 8m swells recorded in Cook Strait cancelled ferry crossings
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Data Source

- 1 Showers Expected to Clear for Saturdays Show Day: Gisborne Herald, 11/10/2001, p2
 - 2 Services Resume After Chill Blast: Dominion Post, 12/10/2001, p3
 - 3 Winters Cook Strait Capital Rerun: Evening Post, 11/10/2001, p1
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