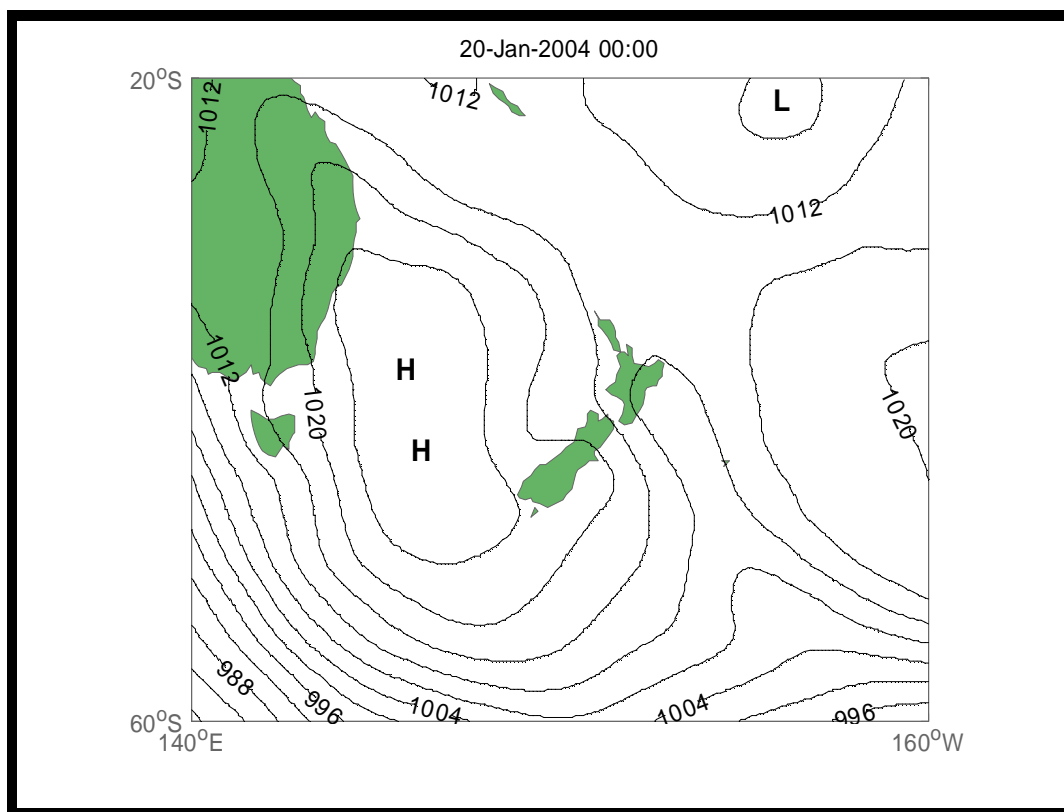


Coastal Storm Database - Event Summary

Date: 19-21 Jan 2004	Wind Direction: S
Event Type: Wind/Wave	Gisborne Duration (Hours): -
Location: Napier/Wellington	Wellington Duration (Hours): 50
Origin: Eastern NZ	Pressure Gradient: SSE
Type: Cyclone-Anticyclone Pair	



Synoptic Conditions

A secondary cyclone developed off the eastern North Island from a southern ocean trough. At the same time a large intense anticyclone occupied the Tasman sea and extended over the South Island and western North Island. Between these two features a SSE flow was created in the Cook Strait area and was maintained through to the 21st due to the cyclone being stationary off the eastern North Island and with the southeast-ward movement of the Tasman sea anticyclone that rolled beneath it.

Sea Conditions

Waves upto 10m on Wellington South coast

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	9.9	9
Napier	3.5	5

*Maximum Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
19-Jan-04			82 (N)

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
20-Jan-04			82 (S)
21-Jan-04			104 (S)

Impact Area

Napier
Wellington

Impacts and Damages

- Roofs ripped off houses, tree's uprooted and power failures
- Flights cancelled and delayed
- Sea water onto roat at Eastbourne
- 9 Cook Strait ferries crossings cancelled; waves upto 10m in Cook Strait

Data Source

- 1 Months Rain in a Few Days for Some Areas: Gisborne Herald, 22/01/2004, p6
 - 2 Wild Weather Continues to Batter North Island: Gisborne Herald, 21/01/2004, p6
 - 3 Trumper Missing in Storm Found Dead: Dominion Post, 22/01/2004, p1
 - 4 Storm Fells Tree's, Stops Fast Ferries: Dominion Post, 21/01/2004, p3
-