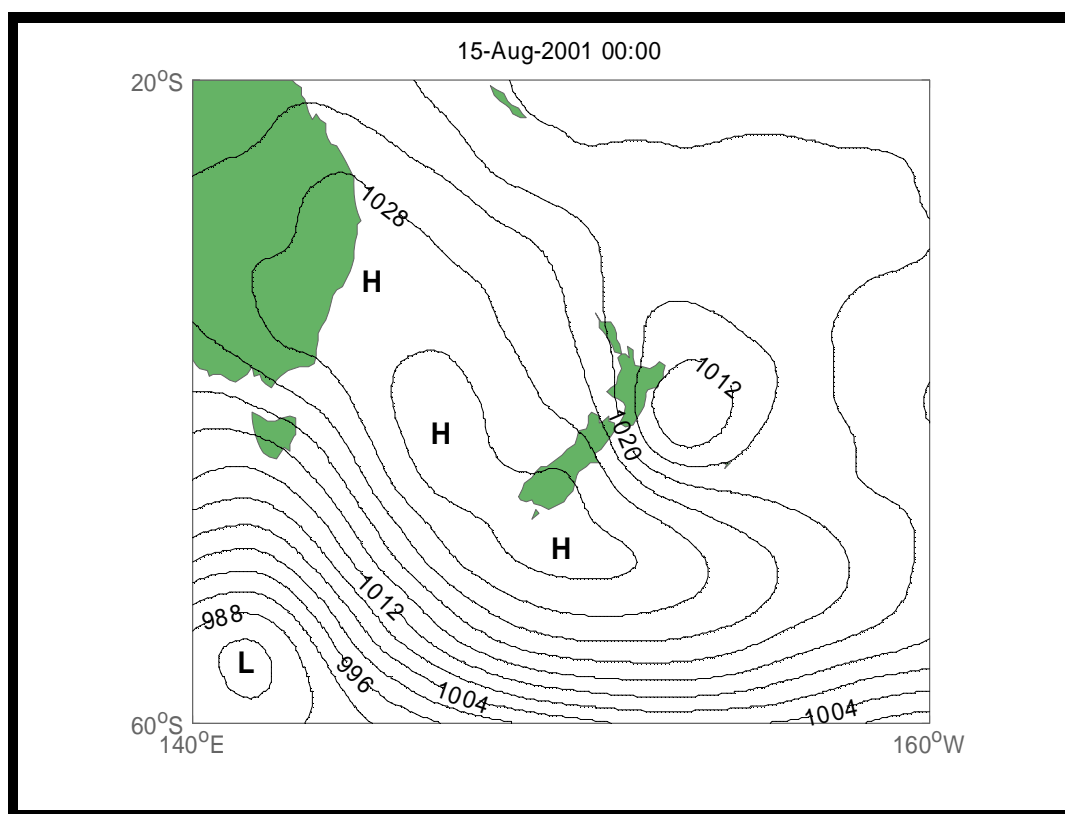


Coastal Storm Database - Event Summary

Date: 14-16 Aug 2001	Wind Direction: S
Event Type: Wind/Wave	Gisborne Duration (Hours): -
Location: Wellington	Wellington Duration (Hours): 52
Origin: Eastern NZ	Pressure Gradient: S to SSE
Type: East Coast Secondary Low	



Synoptic Conditions

A secondary cyclone developed from a southern ocean trough off the eastern North Island. At the same time a large intense anticyclone covered the Tasman sea and most of NZ and had a ridge extending to the east. Between these two systems a strong S to SSE airstream developed through Cook Strait and over the lower North Island. The flow intensified on the 15th through Cook Strait and over the lower North Island and was assisted by an intense anticyclone directly southward.

Storm Type Sequence: east coast secondary low - cyclone-anticyclone pair

Sea Conditions

Swells upto 9m in Cook Strait

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	10.1	9
Napier	5.7	12
*Maximum Wave Height		

Maximum Wind Gusts (kph and dir)

	Date	Gisborne	Napier	Wellington
	14-Aug-01			95 (S)
	15-Aug-01			96 (S)
	16-Aug-01			65 (SW)
<hr/>				
Impact Area	Impacts and Damages			
Wellington	<ul style="list-style-type: none">● Train services disrupted from sea spray over lines● 10cm layer of sand blown over seawall at Lyall Bay● All ferry crossings cancelled; swells upto 9m● Trees uprooted			
Wairarapa	<ul style="list-style-type: none">● Roof blown from house at Castlecliff● Huge waves off Castlepoint lighthouse			
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Data Source				
1	Snowed In: Evening Post, 16/08/2001, p1			
2	It's the Big Freeze: Dominion Post, 16/08/2001, p1			
3	Batten Down the Hatches: Evening Post, 15/08/2001, p1			
4	Winds Whip Wellington: Dominion Post, 15/08/2001, p3			