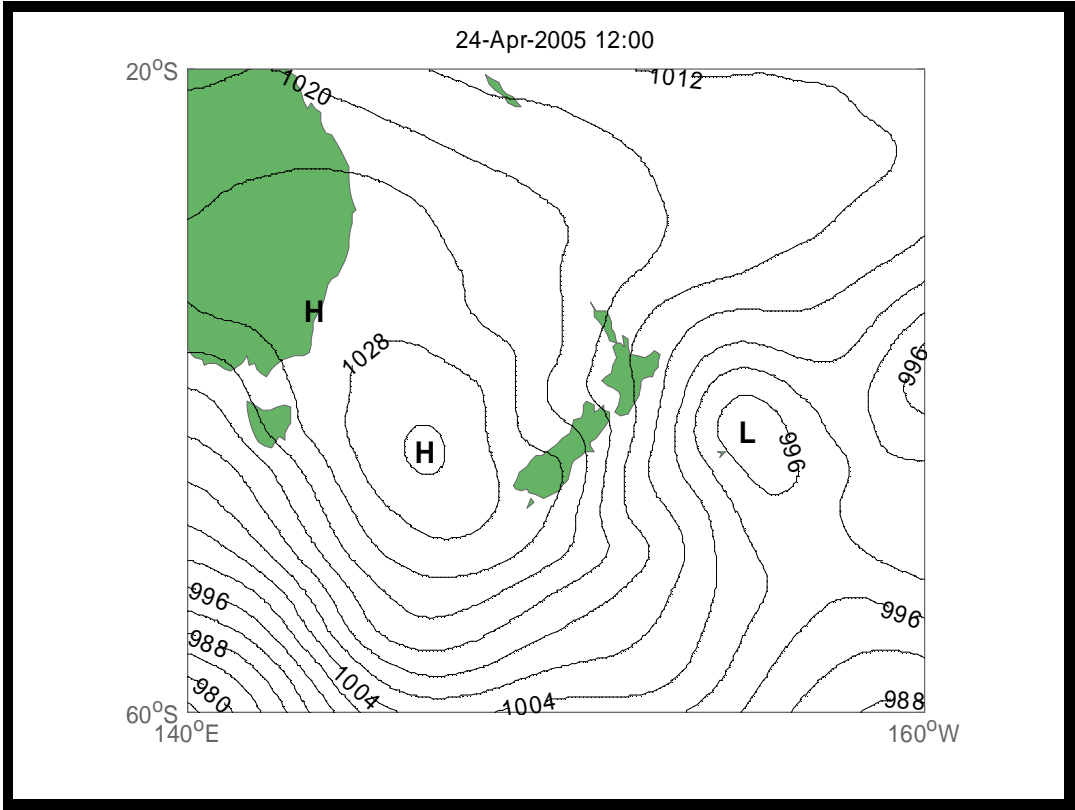


Coastal Storm Database - Event Summary

Date: 24-25 Apr 2005	Wind Direction: S
Event Type: Wind/Wave	Gisborne Duration (Hours): -
Location: Wellington	Wellington Duration (Hours): 32
Origin: Eastern NZ	Pressure Gradient: S to SSW
Type: East Coast Secondary Low	



Synoptic Conditions

A secondary cyclone developed over the Chatham Islands from a southern ocean trough on the 24th. At the same time a large intense anticyclone in south Tasman sea spread over the South Island. Between these features a strong S to SSW airstream was created and swept over eastern NZ. As the cyclone moved east of the Chatham Islands the anticyclone spread over NZ but the strong southerly continued to affect the eastern North Island, in particular, the Cook Strait area.

Sea Conditions

Swells upto 8.3m in Cook Strait

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	8.4	9
Napier	4.7	15
*Maximum Wave Height		

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
24-Apr-05			98 (S)

Maximum Wind Gusts (kph and dir)

	Date	Gisborne	Napier	Wellington
	25-Apr-05			82 (S)
Impact Area	Impacts and Damages			
Gisborne	<ul style="list-style-type: none">• Snow in high country• Roof ripped off apartment block• Thunder and lightning• Mountainous seas in Cook Strait; swells of 6m estimated			
Wellington				

Data Source

- 1 Clear Skies Expected at Last: Dominion Post, 26/04/2005, p3
 - 2 Vicious Storm Swipes Wellington: Dominion Post, 25/04/2005, p3
 - 3 Arahura Loses Power in Storm: Dominion Post, 25/04/2005, p1
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