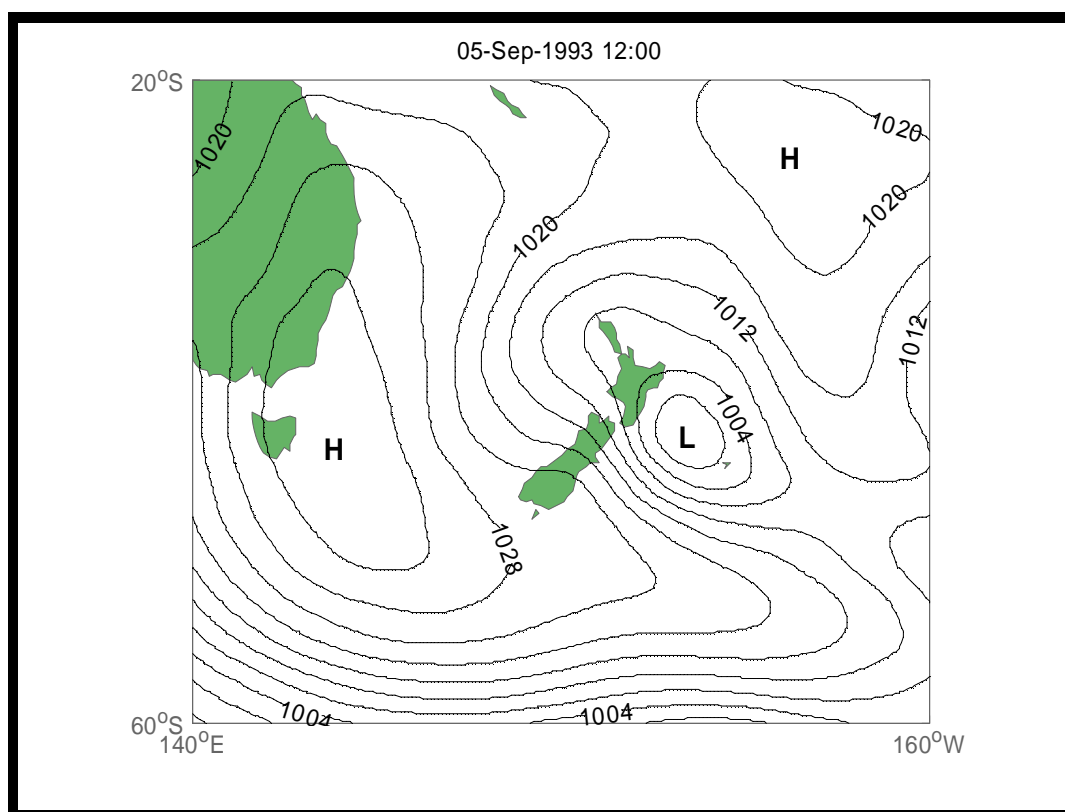


Coastal Storm Database - Event Summary

Date: 4-7 Sep 1993	Wind Direction: S
Event Type: Wind/Wave	Gisborne Duration (Hours): -
Location: Gisborne/Wellington	Wellington Duration (Hours): 72
Origin: Eastern NZ	Pressure Gradient: S to SSE
Type: East Coast Low	



Synoptic Conditions

A secondary cyclone developed over Cook Strait from a southern ocean trough. On the 5th this cyclone was east of Cook Strait and on its southwestern side was a strong SSE airstream that swept over the eastern South Island and lower North Island. The strong pressure gradient was enhanced by the presence of a large intense anticyclone in the Tasman sea and its associated ridge to the east across the lower South Island. The anticyclone eventually spread over most of the South Island and the strong SSE was pushed northward over the eastern North Island

Sea Conditions

Swells in Cook Strait reached up to 9m at height of storm
Large swell in Gisborne

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	4.9	8
Napier	4.9	9
Gisborne	5.4	9

*Highest Significant Wave Height

Impact Area

Impacts and Damages

Impact Area	Impacts and Damages
Gisborne	<ul style="list-style-type: none"> Large waves reach beyond rock wall near Cooper Street and Oneroa Road at Wainui Beach Power lines brought down by winds and blocked roads
Wellington	<ul style="list-style-type: none"> Swells in Cook Strait of 6-9m lead of cancellations of all ferry crossings; ~2500 ferry passengers stranded Trees uprooted, windows blown in around city and house lost roof in Johnsonville
Wairarapa	<ul style="list-style-type: none"> Loss of stock (lambs and cows)
Data Source	
1	Wairarapa Lambs Hit Hard: Dominion Post, 7/09/1993, p3
2	Gales Strand 2500 Strait Passengers: Dominion Post, 6/09/1993, p1
3	One Said it was Pleasant, Most Said it was Awful: Dominion Post, 7/09/1993, p1
4	Winds Weaken After Wild Weekend: Dominion Post, 7/09/1993, p3
5	Ferry Gets Pounding in Awful Crossing: Gisborne Herald, 7/09/1993, p1
6	Sailings Resume as Masters opt to Face Strait: Gisborne Herald, 6/09/1993, p1
7	Rain and Snow Pose Threat to New-born Lambs: Gisborne Herald, 6/09/1993, p1
8	Stranded Travellers Jump for Joy as Sailings Resume: Evening Post, 6/09/1993, p1
9	Storm Sinks Fishing Boat, Halts Ferries: Evening Post, 6/09/1993, p1