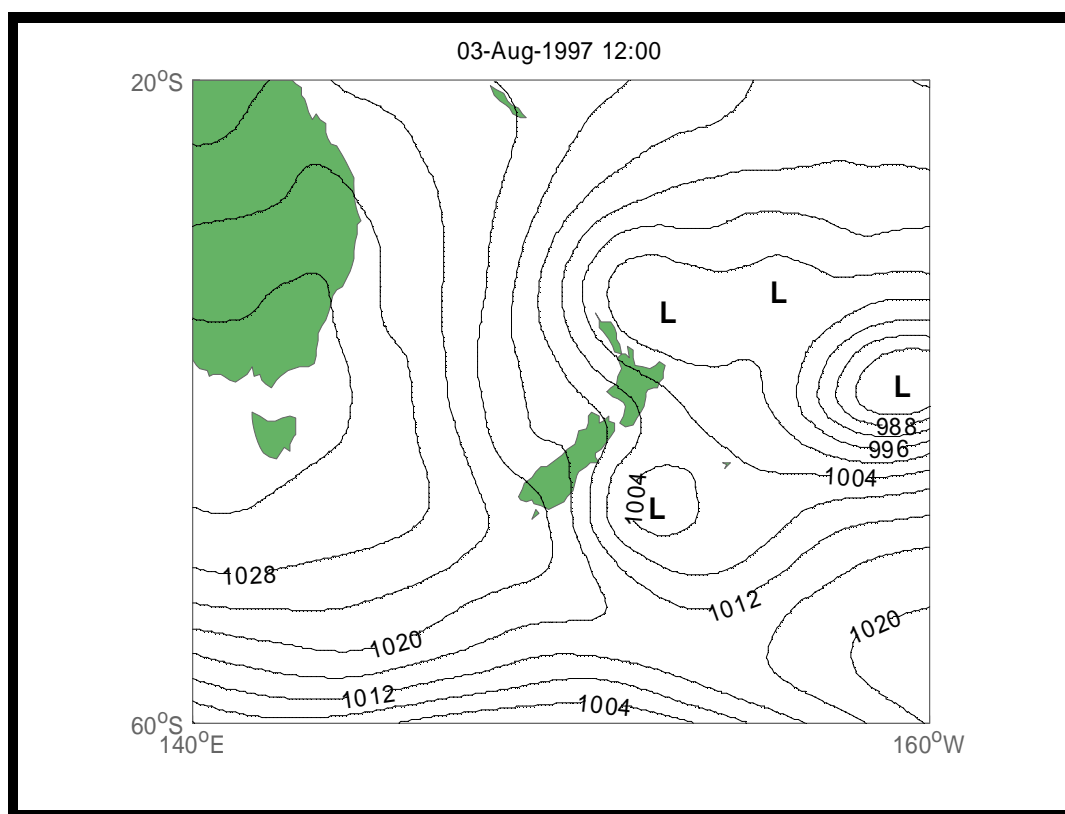


# Coastal Storm Database - Event Summary

Date: <b>3-4 Aug 1997</b>	Wind Direction: <b>S</b>
Event Type: <b>Wind/Wave</b>	Gisborne Duration (Hours): <b>-</b>
Location: <b>Wellington</b>	Wellington Duration (Hours): <b>30</b>
Origin: <b>Eastern NZ</b>	Pressure Gradient: <b>S to SSW</b>
Type: <b>Trough</b>	



## Synoptic Conditions

A complex area of low pressure developed over the NZ area from a southern ocean trough and at one stage had two centres - one west of Northland and the other south of the Chatham Islands. They merged with another cyclone far eastward of East Cape to become troughs on the 3rd. At the same time a large intense anticyclone in the Australia Bight extended onto the lower South Island. Between the anticyclone and troughs over eastern NZ a strong S to SSW airstream developed along the east coast and was greatest in the Cook Strait area. Eventually the anticyclone covered NZ and the strong southerly airstream continued.

## Sea Conditions

Large seas along Wellington south coast; estimated 4-6m swells

## Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.9	7
Napier	3.1	7
Gisborne	3.5	7

\*Highest Significant Wave Height

## Maximum Wind Gusts (kph and dir)

	Date	Gisborne	Napier	Wellington
	03-Aug-97			82 (SW)
	04-Aug-97			85 (S)
<b>Impact Area</b>	<b>Impacts and Damages</b>			
Wellington	● Ferry sailings cancelled due to rough seas; estimated 4-6m swell			
<b>Data Source</b>				
1	Wet & Windy Wait for Travellers: Evening Post, 5/08/1997, p1			
2	Southerly Storm Likely to Last Until Midweek: Evening Post, 4/08/1997, p2			