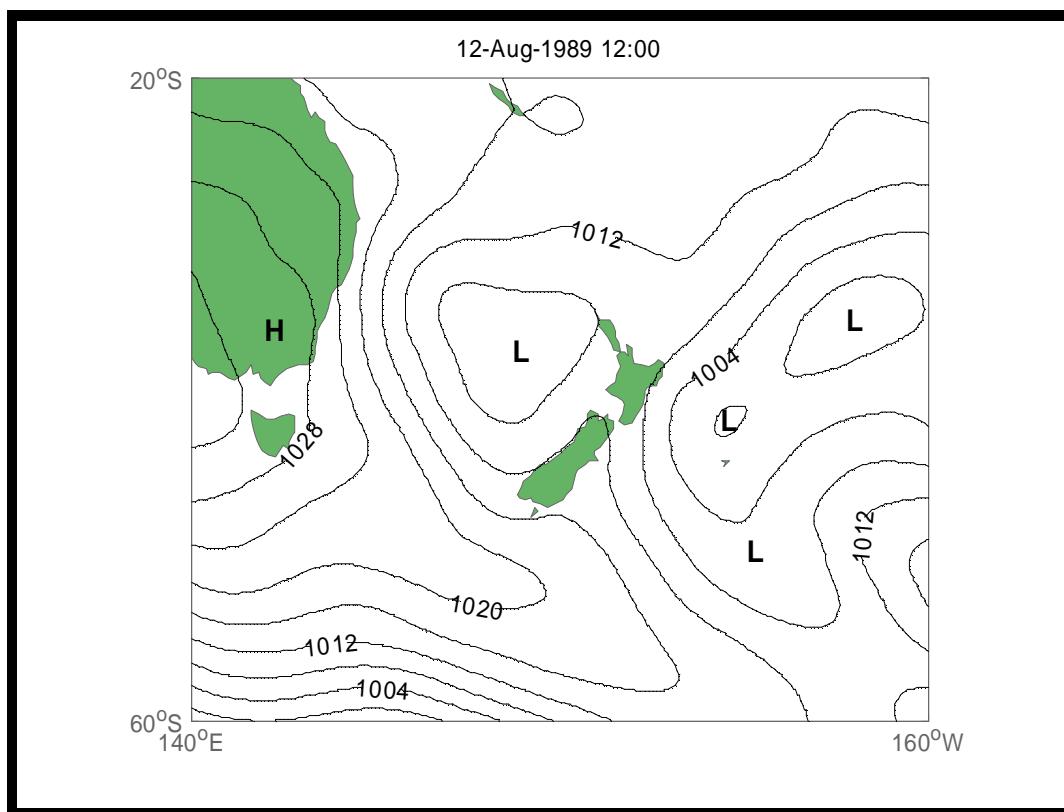


# Coastal Storm Database - Event Summary

Date: <b>12-15 Aug 1989</b>	Wind Direction: <b>S</b>
Event Type: <b>Wind</b>	Gisborne Duration (Hours): <b>-</b>
Location: <b>Wellington</b>	Wellington Duration (Hours): <b>82</b>
Origin: <b>Subtropics</b>	Pressure Gradient: <b>S to SSE</b>
Type: <b>East Coast Low</b>	



## Synoptic Conditions

A cyclone developed east of the north Sydney coast and tracked towards NZ. On the 12th this cyclone was northeast of East Cape with a trough over the Chathams, from which a secondary centre developed. On the western side of these cyclone off eastern NZ a SSE airstream developed and swept over the South Island and Cook Strait area. The SSE flow strengthened over the next 48 hours as the cyclone remained stationary over the Chathams and a ridge of high pressure extended southeast-ward across the South Island. At no stage during this period was a particularly strong pressure gradient observed.

## Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.2	7
Napier	3.6	8
Gisborne	3.8	7

\*Highest Significant Wave Height

## Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
12-Aug-89	39 (W)	54 (SW)	74 (S)

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**Maximum Wind Gusts (kph and dir)**

<b>Date</b>	<b>Gisborne</b>	<b>Napier</b>	<b>Wellington</b>
13-Aug-89	57 (S)	50 (SW)	87 (S)
14-Aug-89	63 (SW)	52 (S)	80 (S)
15-Aug-89	52 (SW)	46 (S)	83 (S)

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