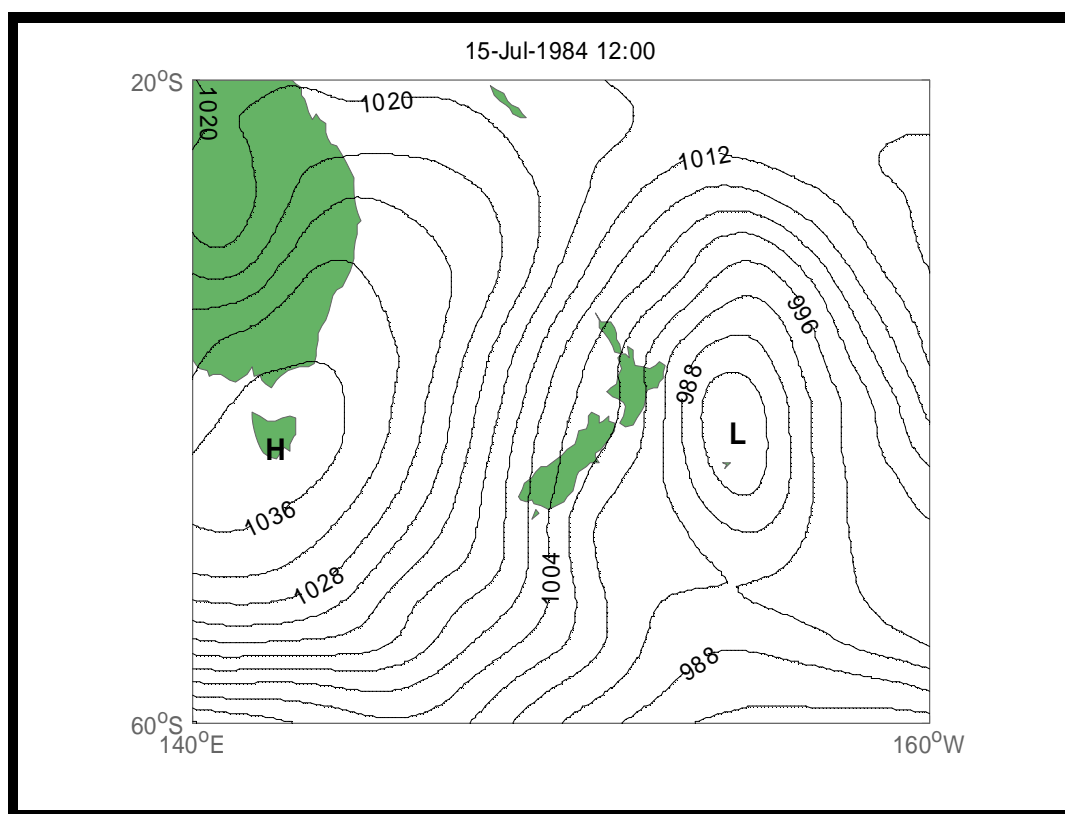


# Coastal Storm Database - Event Summary

Date: <b>15-17 Jul 1984</b>	Wind Direction: <b>S</b>
Event Type: <b>Wind/Wave</b>	Gisborne Duration (Hours): <b>-</b>
Location: <b>Gisborne/Wellington</b>	Wellington Duration (Hours): <b>65</b>
Origin: <b>Eastern NZ</b>	Pressure Gradient: <b>S</b>
Type: <b>East Coast Secondary Low</b>	



## Synoptic Conditions

A secondarily cyclone formed east of Cook Strait from a southern ocean trough. This cyclone covered the western Tasman sea, NZ and the Chatham Islands. The western quadrant of the cyclone contained a strong southerly airstream that affected the eastern coast of NZ. The intense pressure gradient was enhanced by the eastward movement of an intense anticyclone south of Tasmania. The strong southerly was maintained over NZ from the 15th through to 17th due to the cyclone being blocked and unable to move eastward due to a large intense anticyclone near 140W in the central South Pacific.

## Sea Conditions

Measured waves off Gisborne reached up to 5m; waves sustained over 3m for at least 1 day

## Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	4.9	8
Napier	5.6	9
Gisborne	6.6	9

\*Highest Significant Wave Height

## Maximum Wind Gusts (kph and dir)

	<b>Date</b>	<b>Gisborne</b>	<b>Napier</b>	<b>Wellington</b>
	15-Jul-84	46 (S)		102 (S)
	16-Jul-84	87 (S)		119 (S)
	17-Jul-84	56 (SW)	59 (SW)	95 (S)

<b>Impact Area</b>	<b>Impacts and Damages</b>
Gisborne	<ul style="list-style-type: none"> <li>• Large waves overtopped the rock-rail wall at the southern end of Wainui Beach; waves also reached the dune edge</li> <li>• Measured waves on Gisborne coast reached up to 5m</li> <li>• Snow in hill country</li> </ul>
Wellington	<ul style="list-style-type: none"> <li>• One ferry crossing cancelled</li> <li>• Airport closed to friendship flights; 45 flights cancelled</li> <li>• Giant waves crash over breakwater at southern end of airport and broke right across Moa Point Road leaving debris over it</li> <li>• Snow on hills around city</li> </ul>

<b>Data Source</b>
1 Wintry Blast Halts Transport: Dominion Post, 17/07/1984, p3
2 Gales Impede Train: Evening Post, 16/07/1984, p3
3 Snap Blizzards Catch Travellers: Evening Post, 16/07/1984, p3
4 Bitter Winds Batter Capital: Evening Post, 16/07/1984, p38