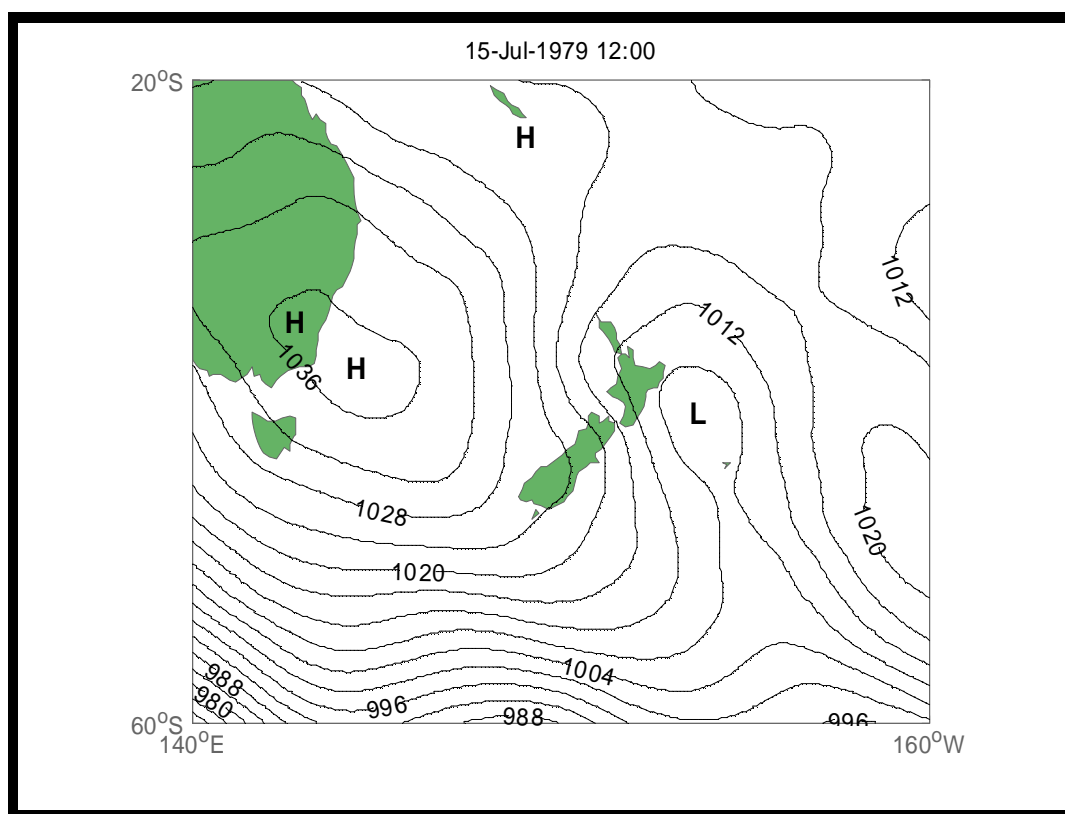


Coastal Storm Database - Event Summary

Date: 15-16 Jul 1979	Wind Direction: S
Event Type: Wind	Gisborne Duration (Hours): -
Location: Wellington	Wellington Duration (Hours): 31
Origin: Eastern NZ	Pressure Gradient: S to SSE
Type: East Coast Secondary Low	



Synoptic Conditions

A trough spread over NZ and the Chatham Islands from the southern ocean while a large intense anticyclone in the Tasman sea extended a ridge to the southeast and over the South Island. Between these features a strong S to SSE airstream developed and swept through the Cook Strait area. This strong flow then spread up the eastern North Island as a closed cyclonic system developed north of the Chatham Islands from the trough. The flow then veered to the south on the 16th and weakened.

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	2.9	6
Napier	3.1	7
Gisborne	3.8	7

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
15-Jul-79	104 (W)	69 (SW)	98 (S)
16-Jul-79	72 (S)	57 (SW)	87 (S)

Impact Area

Gisborne
Wairoa
Wellington

Impacts and Damages

- Snowfall in hills and power cuts
 - Snow on hill
 - Snow and hail
-

Data Source

- 1 Mantle of Snow Falls at Wairoa: Gisborne Herald, 16/07/1979, p1
 - 2 Southerly Brings Blackouts and Dangerous Roads: Gisborne Herald, 16/07/1979, p1
 - 3 Icy Southerly Brings Real Wintry Blast: Evening Post, 16/07/1979, p4
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