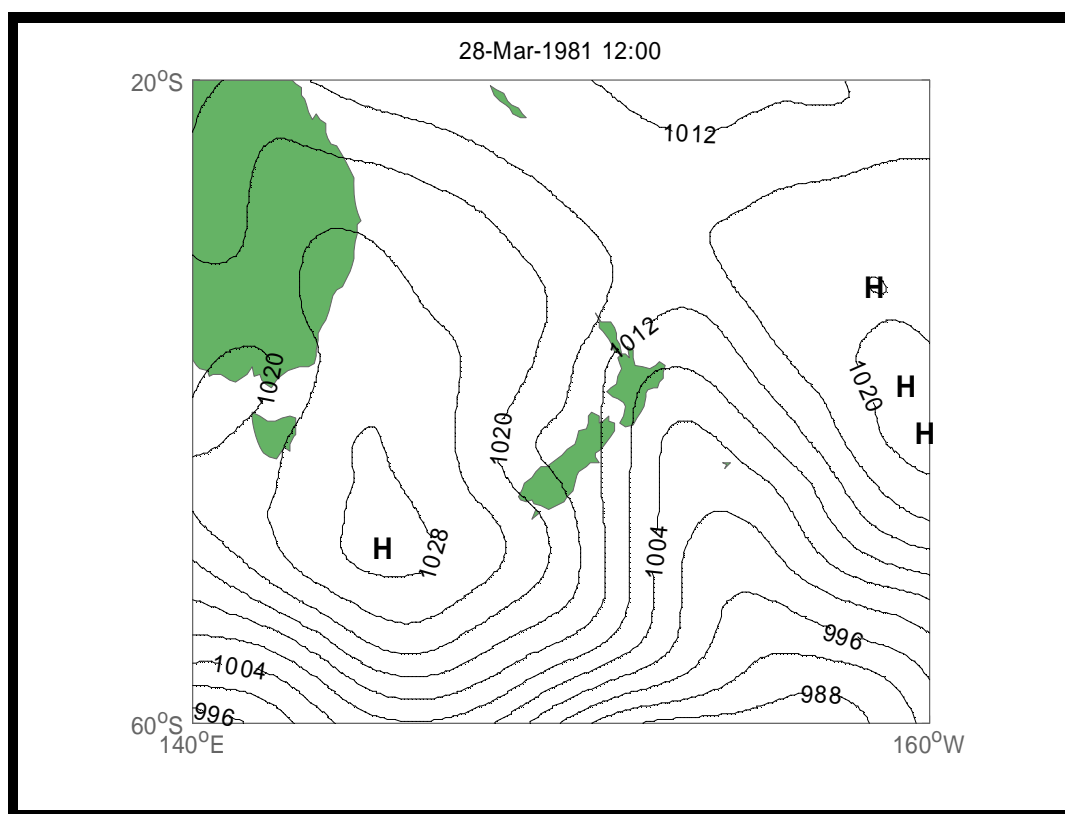


Coastal Storm Database - Event Summary

Date: 28-29 Mar 1981	Wind Direction: S
Event Type: Wind	Gisborne Duration (Hours): -
Location: Wellington	Wellington Duration (Hours): 28
Origin: Southern Ocean	Pressure Gradient: S
Type: Trough	



Synoptic Conditions

A trough extended over the Chatham Islands from the southern ocean and covered the North Island. This trough was being followed by a large intense anticyclone that was south of the Tasman sea and covered the lower South Island. On the western side of the trough was a strong southerly airstream that swept through the Cook Strait area. As the trough moved eastward, the anticyclone spread over NZ and a weaker southerly spread northward over the entire eastern North Island

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	2.7	6
Napier	2.1	6
Gisborne	2.4	6

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
28-Mar-81	45 (SW)	48 (SW)	93 (S)
29-Mar-81	52 (S)	48 (SW)	89 (S)

Impact Area

Wellington

Impacts and Damages

- Severe electrical storm brought flash floods to Wellington and Hutt Valley and cut electricity to some suburbs

Data Source

- 1 Winter Threat in Big Storm: Evening Post, 28/03/1981, p3
 - 2 Storm Brings Flash Floods: Dominion Post, 28/03/1981, p1
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