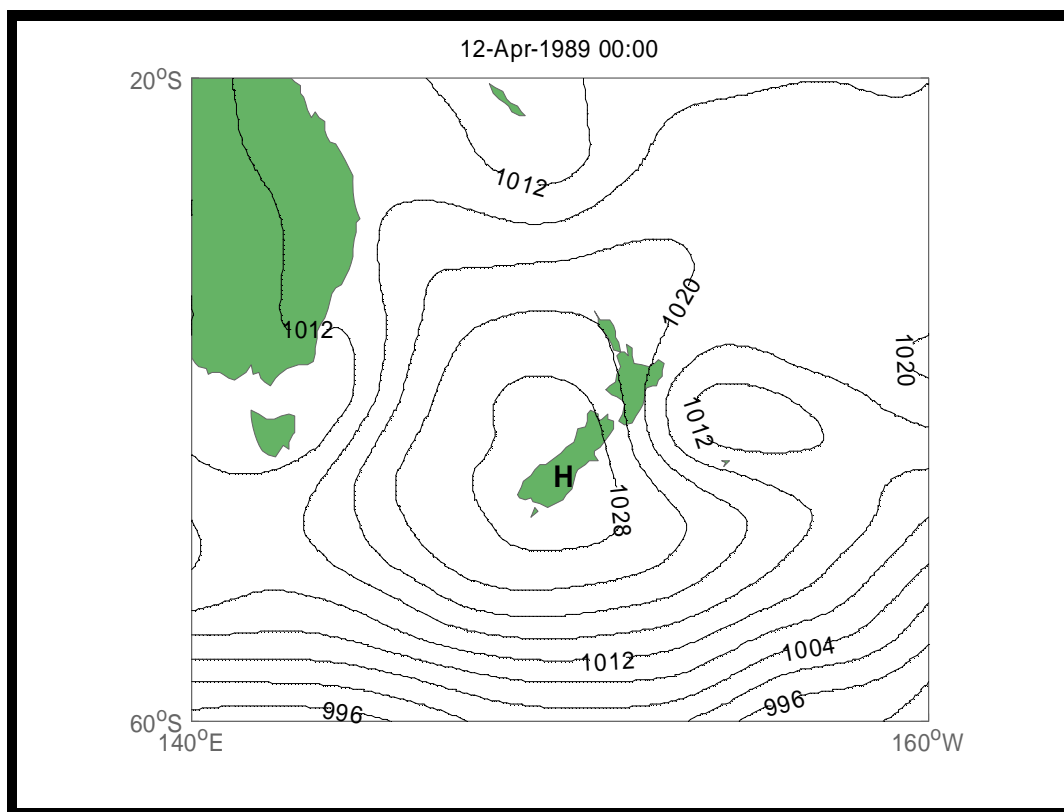


Coastal Storm Database - Event Summary

Date: 11-12 Apr 1989	Wind Direction: S
Event Type: Wind/Wave	Gisborne Duration (Hours): -
Location: Wellington	Wellington Duration (Hours): 13
Origin: Southern Ocean	Pressure Gradient: S to SSE
Type: East Coast Low	



Synoptic Conditions

An anticyclone from the Great Australian Bight moved eastward and covered NZ on the 11th. At the same time a secondary low from the southern ocean was over the Chatham Islands. The clash of these two systems created a strong S to SSE airstream over the lower eastern North Island.

Sea Conditions

Waves estimated at 7-12m in Cook Strait

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	2.8	6
Napier	2.4	6
Gisborne	2.8	6

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
11-Apr-89	48 (NW)	70 (SW)	133 (S)

Maximum Wind Gusts (kph and dir)

	Date	Gisborne	Napier	Wellington
	12-Apr-89	61 (S)	63 (SW)	93 (S)
Impact Area	Impacts and Damages			
	<ul style="list-style-type: none">● Moa Point Road closed due to large waves pushing rocks onto road● Strong winds gusts lead to 55 flight cancellations; airport closed between 4pm and 11pm			
Wellington	<ul style="list-style-type: none">● Heavy seas in Cook Strait and South Coast; wave estimated at 7-9m● Some ferry crossings cancelled overnight● Waves washing over railway lines halted train services between Petone and city● Rocks and debris scattered over roads on south coast and harbour-side (Breake Bay, Eastbourne)● Owhiro Bay Parade covered in boulders and driftwood in places● Wave flipped car over in Owhiro Bay			

Data Source

- 1 Protect at Ferry Delays: Dominion Post, 13/04/1989, p3
 - 2 Arahura Safe During Storm says Railways: Dominion Post, 13/04/1989, p3
 - 3 Southerlies Cause Havoc in Wellington: Dominion Post, 12/04/1989, p1
 - 4 Winter Hits the Windy Capital with Vengeance: Gisborne Herald, 12/04/1989, p12
 - 5 Waves Roll Arahura 40 degrees in Wild Strait: Evening Post, 12/04/1989, p1
 - 6 Ferry Passengers Tossed Against Walls: Evening Post, 12/04/1989, p1
 - 7 Storm Hurls Car into Sea: Evening Post, 12/04/1989, p1
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