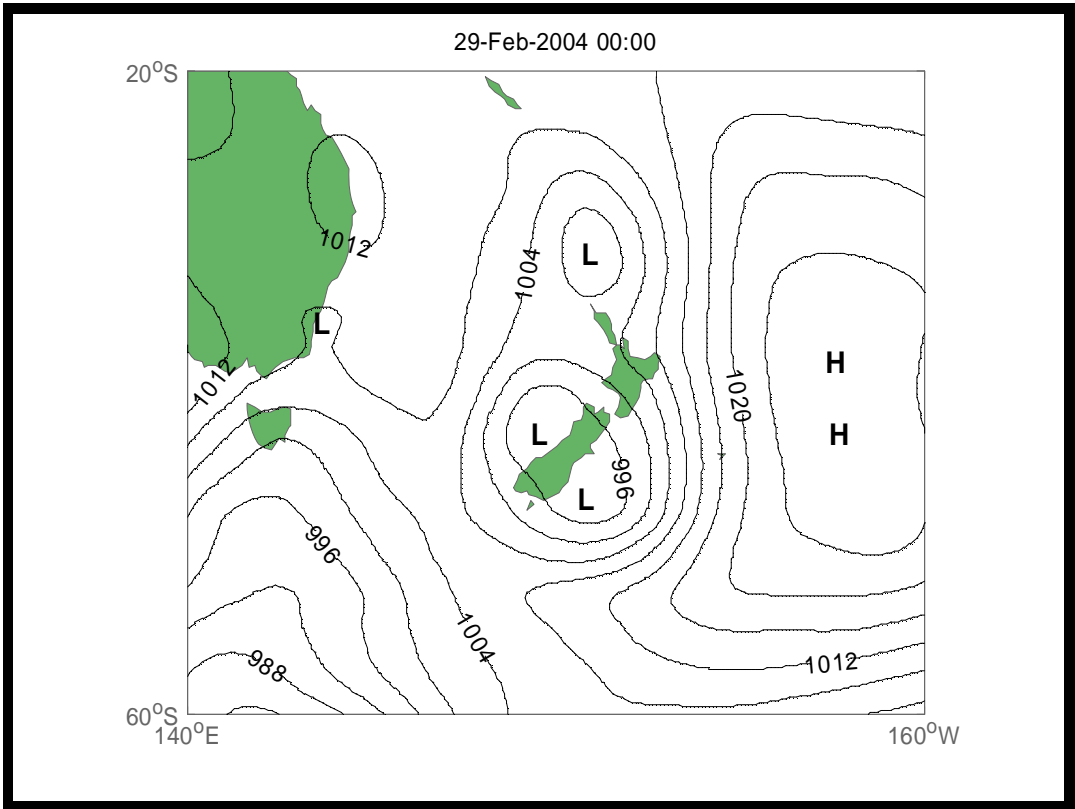


Coastal Storm Database - Event Summary

Date: 29-1 Mar 2004	Wind Direction:
Event Type: Wave	Gisborne Duration (Hours): -
Location: Gisborne	Wellington Duration (Hours): -
Origin: Subtropics	Pressure Gradient: N
Type: Anticyclonic	



Synoptic Conditions

A cyclone developed off the Sydney coast and moved southeast-ward towards central NZ. At the same time a subtropical low (tropical cyclone Ivy) moved south from near New Caledonia and on the 28th cyclone Ivy was directly above the Tasman sea cyclone. Between these two cyclones a northerly airstream was created over a large fetch and swept over the North Island. As the same time a large intense anticyclone occupied the area to the east of NZ and was near-stationary. Further southeast-ward movement of these cyclones, therefore, strengthened the pressure gradient and the northerly airstream continued to affect the East Cape area.

Sea Conditions

6-8m swell estimated at Te Kaha and near East Cape
Large swells on the Gisborne coast

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	9.4	10
Napier	3.8	6
*Maximum Wave Height		

Maximum Wind Gusts (kph and dir)

	Date	Gisborne	Napier	Wellington
	29-Feb-04			72 (N)
	01-Mar-04			76 (N)
Impact Area	Impacts and Damages			
Gisborne	•	Waves breaking as far out as Arief Reef and off Tuamotu Island		
East Cape	•	Locals said waves broke over the road near Hawai and over fences at Maraenue		
	•	Monster Surf near Omaio, Te Kaha; swells estimated at 6-8m		
Data Source				
1	Two Surfers Lost in Monster Seas: Gisborne Herald, 1/03/2004, p2			