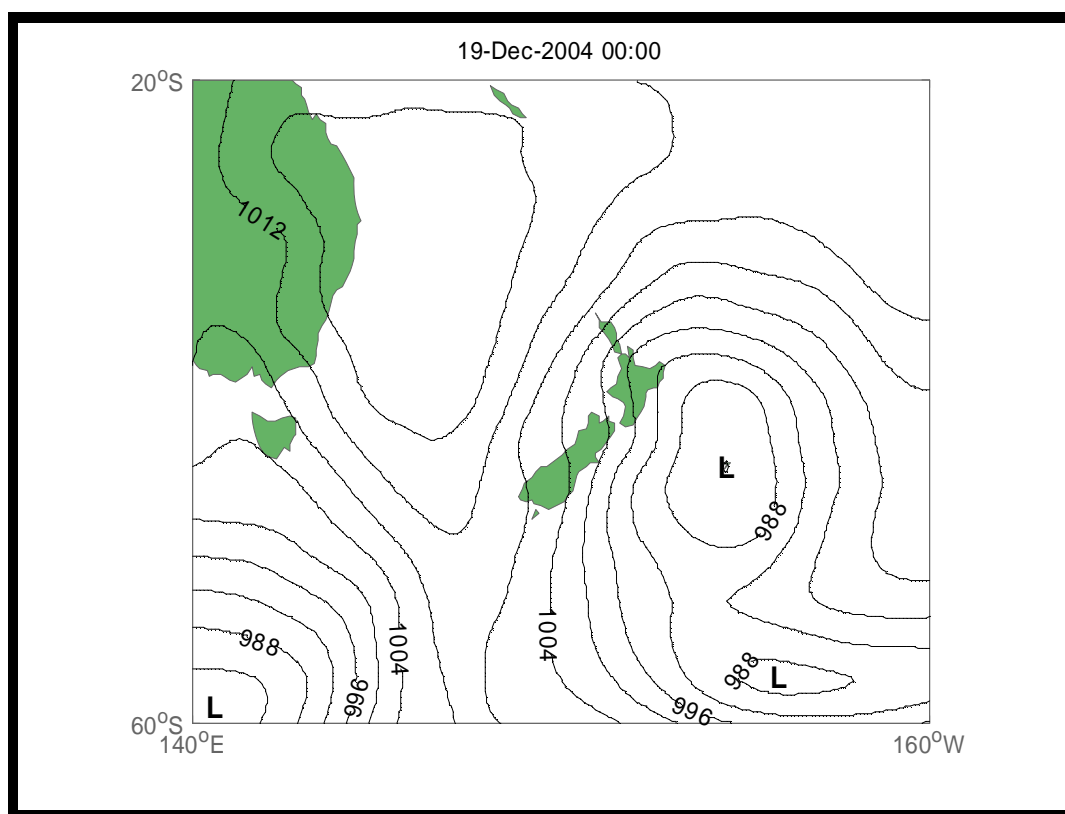


# Coastal Storm Database - Event Summary

Date: <b>18-19 Dec 2004</b>	Wind Direction:
Event Type: <b>Wave</b>	Gisborne Duration (Hours): -
Location: <b>Wellington</b>	Wellington Duration (Hours): -
Origin: <b>Eastern NZ</b>	Pressure Gradient: <b>S to SSW</b>
Type: <b>East Coast Secondary Low</b>	



## Synoptic Conditions

A secondary centre developed from a passing southern ocean trough off Cook Strait on the 18th. At the same time a large anticyclone in the north Tasman sea extended a ridge southward as far as 60S. Between this ridge and cyclone developed a strong S to SSW airstream over the eastern North Island. On the 19th the cyclone intensified over the Chatham Islands and the strong southerly flow continued to affect the eastern North Island.

## Sea Conditions

Measured waves off Banks Peninsula reached a maximum of 9m, with significant wave heights of 4-5.5m  
Off Wellington south coast, waves on 29th reached 4.5m

## Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	4.7	11
*Maximum Wave Height		

## Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
18-Dec-04			80 (S)

---

**Maximum Wind Gusts (kph and dir)**

Date	Gisborne	Napier	Wellington
19-Dec-04			96 (S)

---