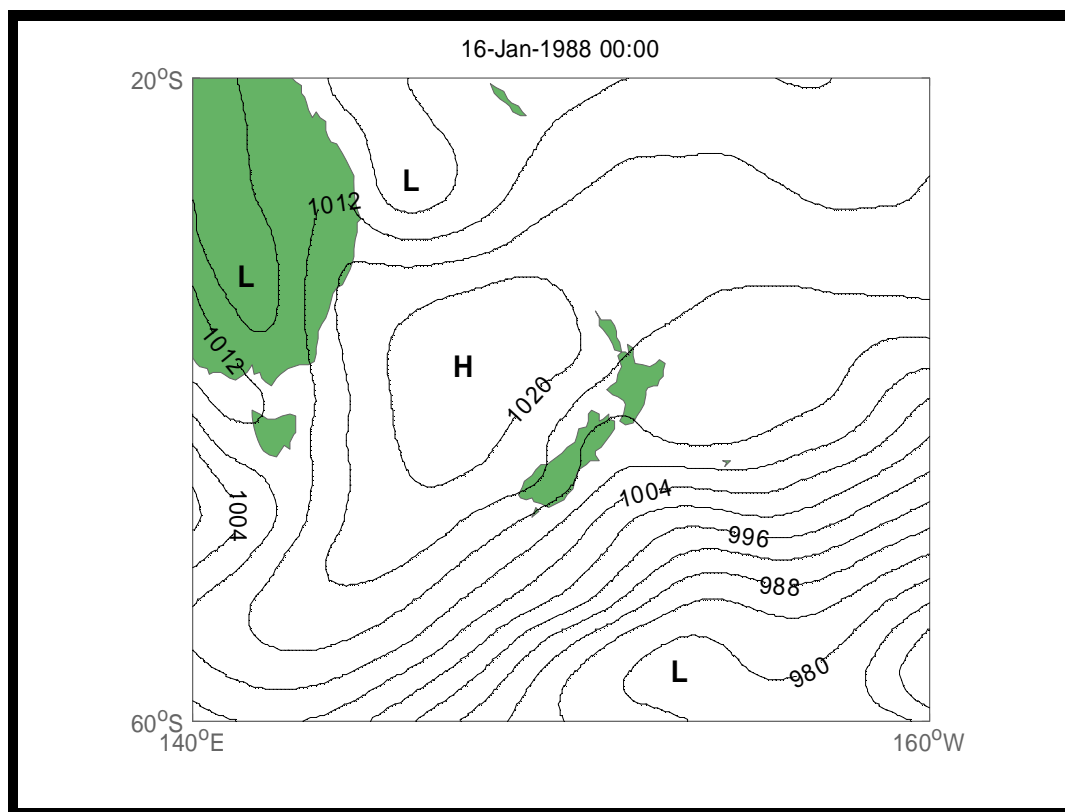


# Coastal Storm Database - Event Summary

Date: <b>16-17 Jan 1988</b>	Wind Direction:
Event Type: <b>Wave</b>	Gisborne Duration (Hours): -
Location: <b>Gisborne</b>	Wellington Duration (Hours): -
Origin: <b>Southern Ocean</b>	Pressure Gradient: <b>SW</b>
Type: <b>Trough</b>	



## Synoptic Conditions

A southern ocean cyclone moved eastward to the south of NZ between the 13 and 15th and extended a trough northward over the lower South Island and Chathams Islands on the 15th. On the western side of the trough was a strong SW airstream stretching from near 60S to Christchurch. This wind flow was responsible for the strong large swell that was felt along the Gisborne coast on the 16th and 17th

## Sea Conditions

2m swell at Gisborne

## Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	2.6	10
Napier	2.4	9
Gisborne	2.7	10

\*Highest Significant Wave Height

## Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
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**Maximum Wind Gusts (kph and dir)**

Date	Gisborne	Napier	Wellington
16-Jan-88	41 (S)	41 (E)	46 (S)
17-Jan-88	39 (N)	30 (NE)	74 (NE)

**Impact Area**

Gisborne

**Impacts and Damages**

- Big swell hitting beaches; waves estimated at 2m on Wainui Beach

**Data Source**

- 1 Too Rough to Race: Gisborne Herald, 18/01/1988, p1
  - 2 Hopeful 'Billy' Will Survive: Gisborne Herald, 18/01/1988, p1
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