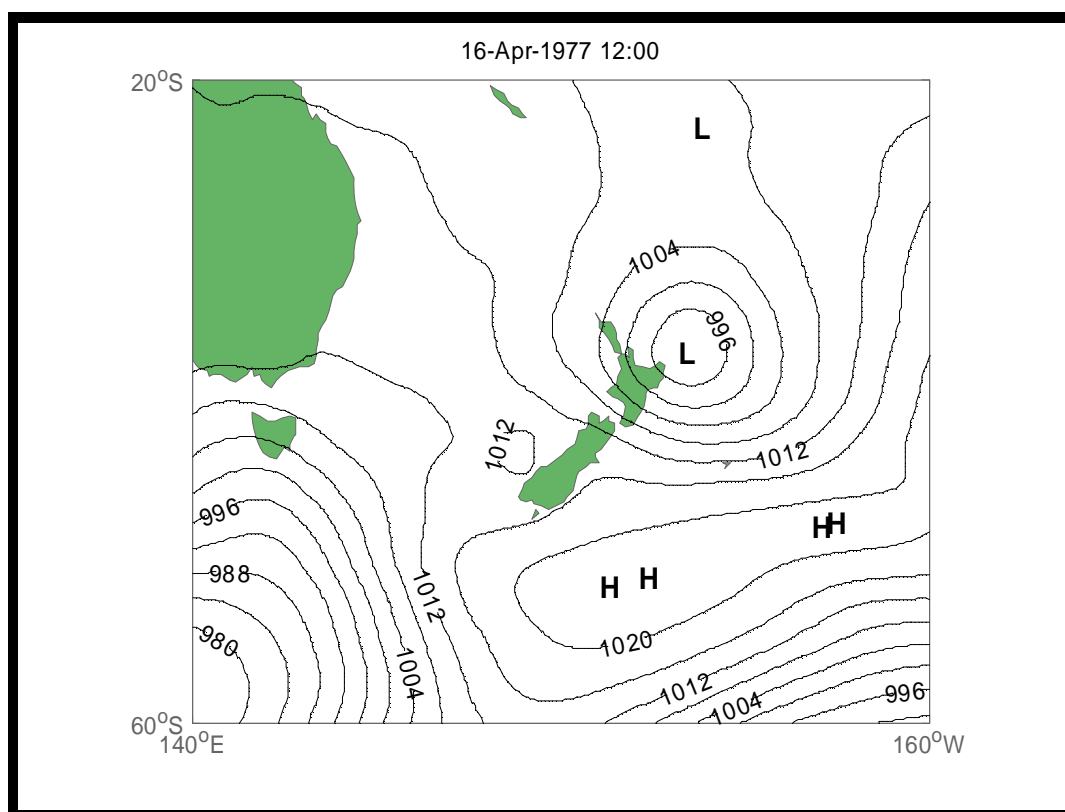


# Coastal Storm Database - Event Summary

Date: <b>16-19 Apr 1977</b>	Wind Direction: <b>S</b>
Event Type: <b>Wind</b>	Gisborne Duration (Hours): <b>8</b>
Location: <b>Gisborne/Napier/Wellington</b>	Wellington Duration (Hours): <b>49</b>
Origin: <b>Subtropics</b>	Pressure Gradient: <b>ESE to S</b>
Type: <b>East Coast Low</b>	



## Synoptic Conditions

A subtropical low moved southwest-ward from nearer 150W towards NZ at a time when NZ was covered by a large anticyclone. On the 15th this cyclone was northeast of East Cape and ESE to E airstream started to affect the eastern North Island while a ridge of high pressure covered the South Island. As this cyclone continued to move southward the flow shifted the SE and intensified. With a large anticyclone south of the Chatham Islands this cyclone moved only slowly southward down the east coast of the North Island and the strong S to SE airstream continued to affect the eastern coast through till the 19th.

## Sea Conditions

Heavy seas at Mahia  
Estimated 3.5m swell in Napier

## Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
16-Apr-77	89 (S)	76 (S)	89 (S)
17-Apr-77	61 (S)	72 (SW)	100 (S)
18-Apr-77	28 (W)	65 (W)	76 (S)
19-Apr-77	63 (SW)	93 (SW)	72 (S)

## Impact Area

## Impacts and Damages

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**Impact Area**

Gisborne  
Napier  
Mahia

**Impacts and Damages**

- Gale force winds and rain
- Estimated 3.5m waves on coast
- Heavy seas near Mahia, with swells across channel to Waikokopu harbour entrance

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**Data Source**

- 1 District Gets off Lightly Despite Weekend Deluge: Gisborne Herald, 18/04/1977, p1
  - 2 Mahia's Intrepid Sea Rescue Hero Does it Again: Gisborne Herald, 18/04/1977, p1
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