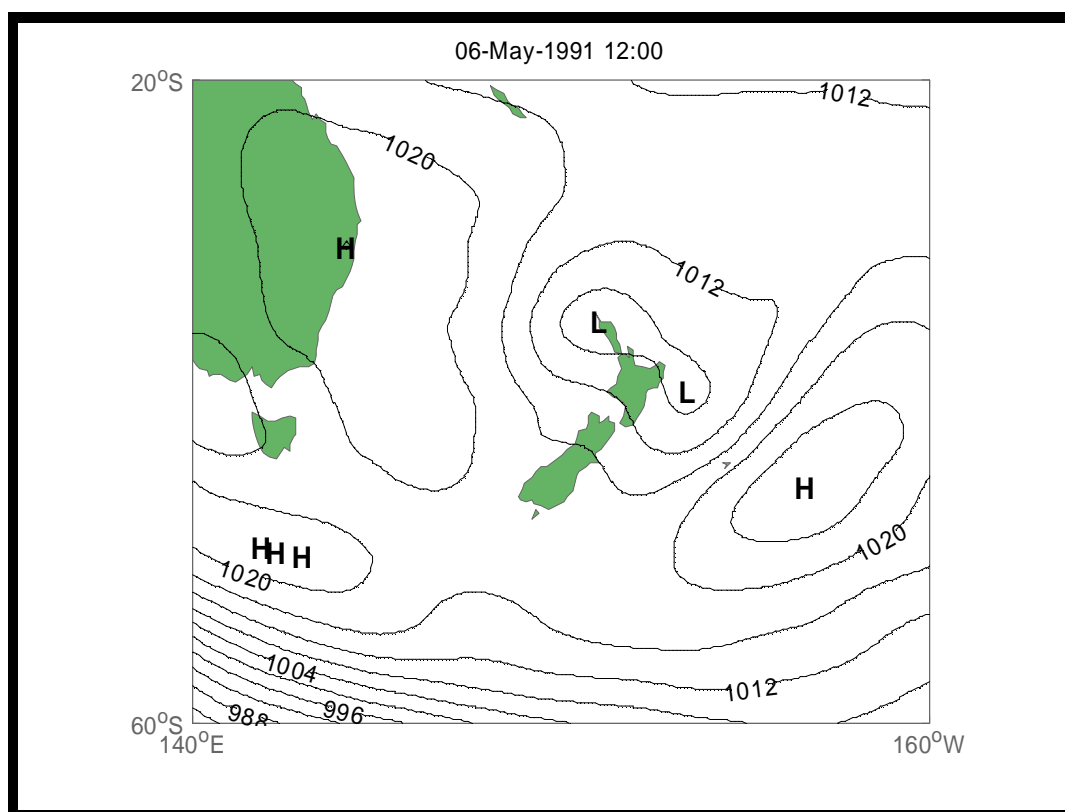


# Coastal Storm Database - Event Summary

|                                       |  |
|---------------------------------------|--|
| Date: <b>6-7 May 1991</b>             | Wind Direction: <b>S</b>               |
| Event Type: <b>Wind</b>               | Gisborne Duration (Hours): <b>-</b>    |
| Location: <b>Wellington</b>           | Wellington Duration (Hours): <b>39</b> |
| Origin: <b>Tasman Sea</b>             | Pressure Gradient: <b>ESE to SE</b>    |
| Type: <b>Cyclone-Anticyclone Pair</b> |  |



## Synoptic Conditions

A low formed in the Tasman Sea west of the South Island from a southern ocean trough and tracked eastward. A secondary centre then developed over the North Island and had a ESE to SE flow on its southern side through Cook Strait. This cyclone lingered near East Cape for the next 24-hrs due to the presence of a large anticyclone east of the Chatham Islands restricting its movement, and the SE flow continued in the Cook Strait area. However, a strong pressure gradient was not observed.

## Maximum Wave Statistics

| Location   | Max Wave Height (m) | Period (s) |
|------------|---------------------|------------|
| Wellington | 2.3                 | 7          |
| Napier     | 2.3                 | 9          |
| Gisborne   | 2.5                 | 9          |

\*Highest Significant Wave Height

## Maximum Wind Gusts (kph and dir)

| Date      | Gisborne | Napier | Wellington |
|-----------|----------|--------|------------|
| 06-May-91 | 50 (SE)  |        | 74 (S)     |
| 07-May-91 | 39 (S)   |        | 89 (S)     |

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**Data Source**

- 1 Heaviest Rain Fell on City: Gisborne Herald, 7/05/1991, p10
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