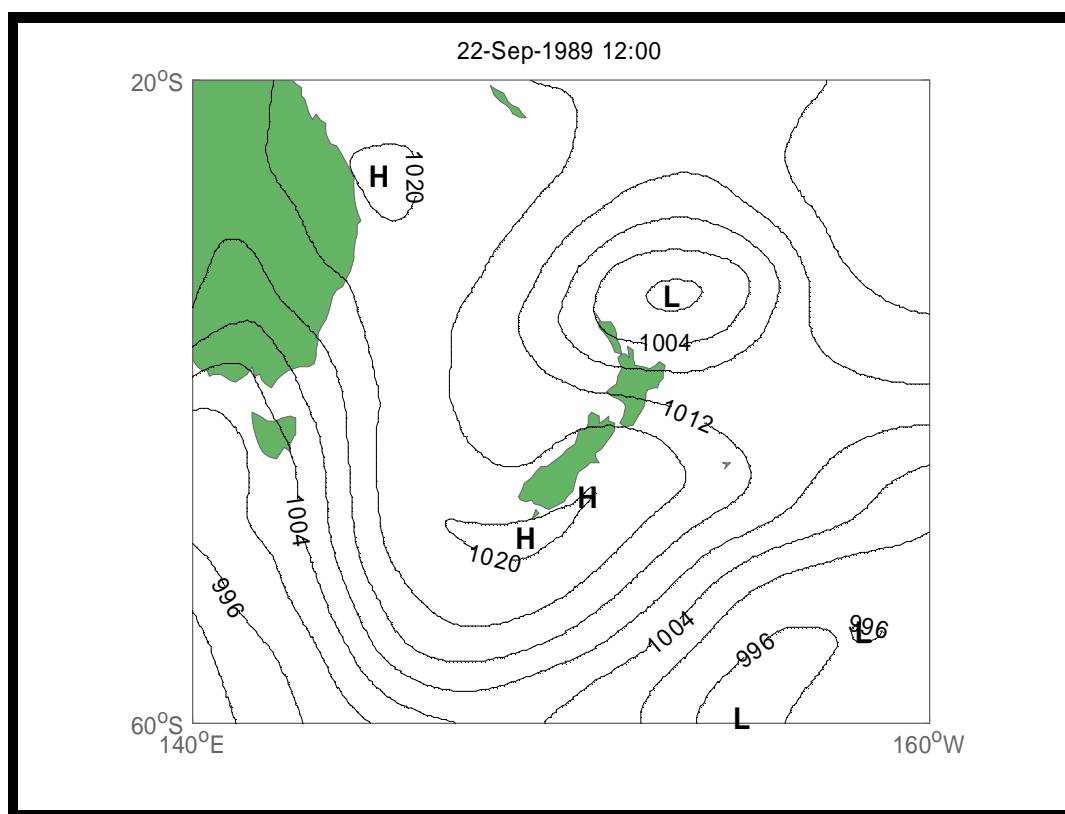


# Coastal Storm Database - Event Summary

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| Date: <b>22 Sep 1989</b>              | Wind Direction: <b>SE</b>             |
| Event Type: <b>Wind</b>               | Gisborne Duration (Hours): <b>6</b>   |
| Location: <b>Gisborne</b>             | Wellington Duration (Hours): <b>-</b> |
| Origin: <b>Subtropics</b>             | Pressure Gradient: <b>E to ESE</b>    |
| Type: <b>Cyclone-Anticyclone Pair</b> |                                       |



## Synoptic Conditions

A cyclone formed to the north of North Cape on the 21st and had a ridge of high pressure immediately southward over the South Island. Between these two features a E to ESE airstream was created over the upper South Island and Cook Strait area. It later spread northward and covered the upper North Island on the 22nd

## Maximum Wave Statistics

| Location   | Max Wave Height (m) | Period (s) |
|------------|---------------------|------------|
| Wellington | 1.7                 | 6          |
| Napier     | 1.8                 | 6          |
| Gisborne   | 1.8                 | 6          |

\*Highest Significant Wave Height

## Maximum Wind Gusts (kph and dir)

| Date      | Gisborne | Napier | Wellington |
|-----------|----------|--------|------------|
| 22-Sep-89 | 70 (SE)  | 56 (S) | 63 (S)     |