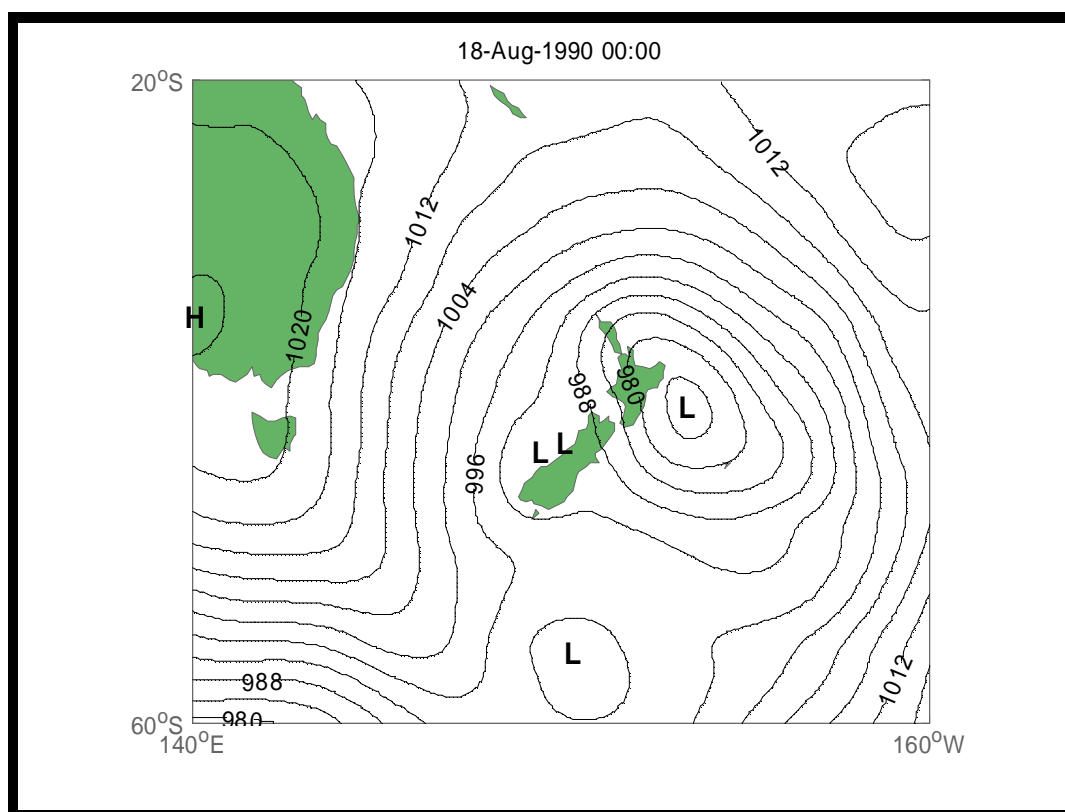


# Coastal Storm Database - Event Summary

|                             |  |
|-----------------------------|--|
| Date: <b>17-19 Aug 1990</b> | Wind Direction: <b>S</b>               |
| Event Type: <b>Wind</b>     | Gisborne Duration (Hours): <b>-</b>    |
| Location: <b>Wellington</b> | Wellington Duration (Hours): <b>44</b> |
| Origin: <b>Tasman Sea</b>   | Pressure Gradient: <b>SSE to SSW</b>   |
| Type: <b>East Coast Low</b> |  |



## Synoptic Conditions

A cyclone formed off the Sydney coast and moved eastward across the Tasman sea and intensified. On the 17th this cyclone was off the Hawkes Bay coast and the strong SSE airstream in its wake swept over the lower North Island and Cook Strait area. When the cyclone was over the Chatham Islands on the 18th the flow veered to the SSW and spread over the eastern North Island.

## Maximum Wave Statistics

| Location   | Max Wave Height (m) | Period (s) |
|------------|---------------------|------------|
| Wellington | 3.3                 | 7          |
| Napier     | 2.1                 | 9          |
| Gisborne   | 2.8                 | 8          |

\*Highest Significant Wave Height

## Maximum Wind Gusts (kph and dir)

| Date      | Gisborne | Napier | Wellington |
|-----------|----------|--------|------------|
| 17-Aug-90 | 46 (W)   |        | 82 (S)     |
| 18-Aug-90 | 54 (SW)  |        | 93 (S)     |
| 19-Aug-90 | 41 (S)   |        | 72 (S)     |

---

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

| Date | Gisborne | Napier | Wellington |
|------|----------|--------|------------|
|------|----------|--------|------------|

---