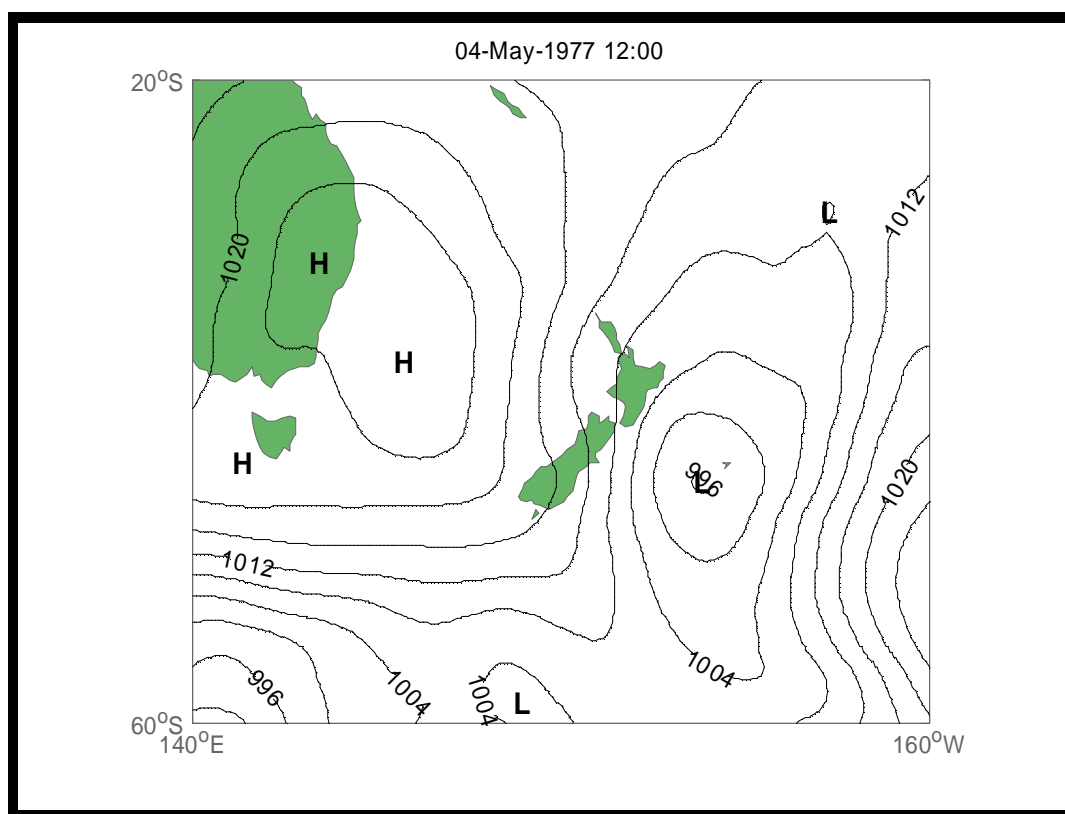


# Coastal Storm Database - Event Summary

|                               |  |
|-------------------------------|--|
| Date: <b>4-8 May 1977</b>     | Wind Direction: <b>S</b>               |
| Event Type: <b>Wind</b>       | Gisborne Duration (Hours): <b>-</b>    |
| Location: <b>Wellington</b>   | Wellington Duration (Hours): <b>15</b> |
| Origin: <b>Southern Ocean</b> | Pressure Gradient: <b>S to SSE</b>     |
| Type: <b>East Coast Low</b>   |  |



## Synoptic Conditions

A southern ocean cyclone near 55S latitude moved northward into the south Tasman sea, crossed the lower South Island and continued to move northeast-ward. On the 3rd this cyclone was over the Chatham Islands and had a large anticyclone on its western side that occupied the Tasman sea. Between these systems a strong S to SSE airstream started to affect the eastern South Island and Cook Strait area and intensified on the 4th as it spread up the eastern North Island. While the flow weakened on the 5th it re-intensified again on the 6th through to 8th as the cyclone was wedged between two intense anticyclones and forced to move northwards.

## Maximum Wind Gusts (kph and dir)

| Date      | Gisborne | Napier  | Wellington |
|-----------|----------|---------|------------|
| 04-May-77 | 43 (SW)  | 74 (SW) | 87 (S)     |
| 05-May-77 | 37 (SE)  | 45 (SW) | 61 (S)     |
| 06-May-77 | 67 (SW)  | 87 (SW) | 115 (S)    |
| 07-May-77 | 74 (SW)  | 78 (SW) | 93 (S)     |
| 08-May-77 | 61 (SW)  | 70 (SW) | 54 (S)     |