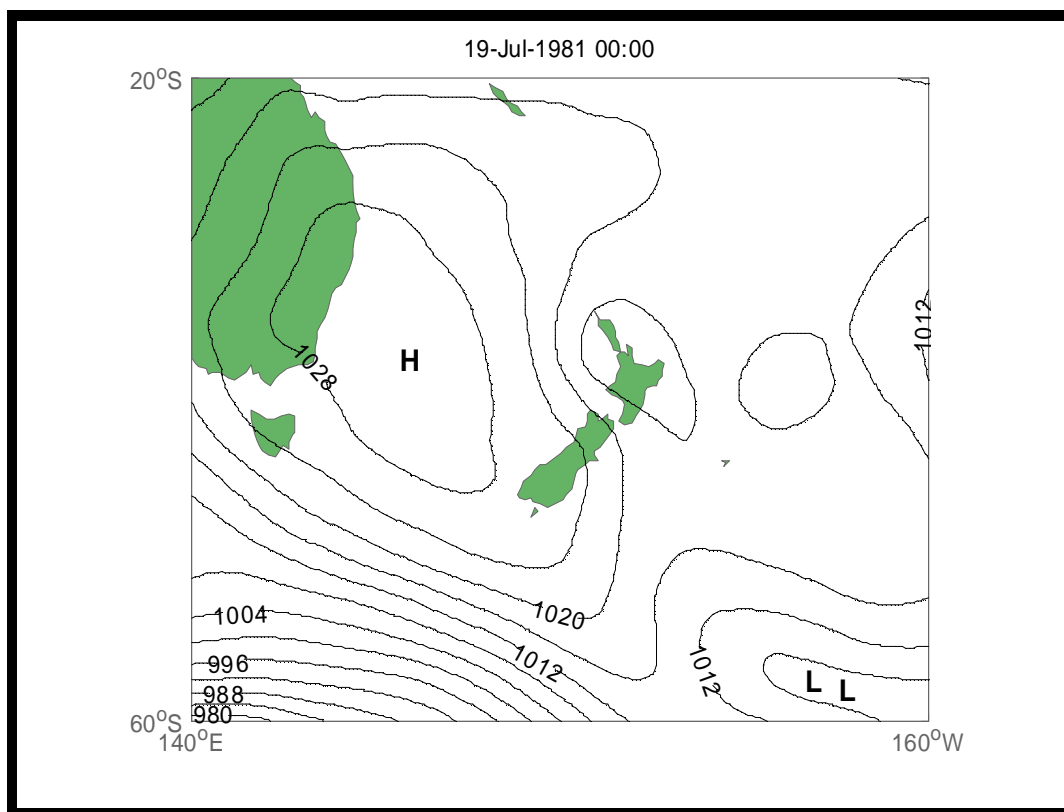


Coastal Storm Database - Event Summary

| | |
|-------------------------------|--|
| Date: 18-20 Jul 1981 | Wind Direction: S |
| Event Type: Wind | Gisborne Duration (Hours): - |
| Location: Wellington | Wellington Duration (Hours): 38 |
| Origin: Southern Ocean | Pressure Gradient: SSE to SE |
| Type: Trough | |



Synoptic Conditions

An intense anticyclone in the central Tasman Sea spread a ridge to the southeast that covered the South Island and lower North Island. This anticyclone collided with a southern ocean trough over and east of North Island on the 18th and created a SSE to SE airstream in the Cook Strait sector. This flow weakened around midday on the 19th.

Maximum Wave Statistics

| Location | Max Wave Height (m) | Period (s) |
|------------|---------------------|------------|
| Wellington | 3.0 | 6 |
| Napier | 2.9 | 8 |
| Gisborne | 3.3 | 8 |

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

| Date | Gisborne | Napier | Wellington |
|-----------|----------|---------|------------|
| 18-Jul-81 | 20 (NW) | 15 (SW) | 85 (S) |
| 19-Jul-81 | 70 (S) | 50 (SW) | 87 (S) |
| 20-Jul-81 | 69 (S) | 65 (SW) | 65 (S) |

Data Source

- 1 Bitter Wind and Chilly Reception for the Tourists: Gisborne Herald, 21/07/1981, p12