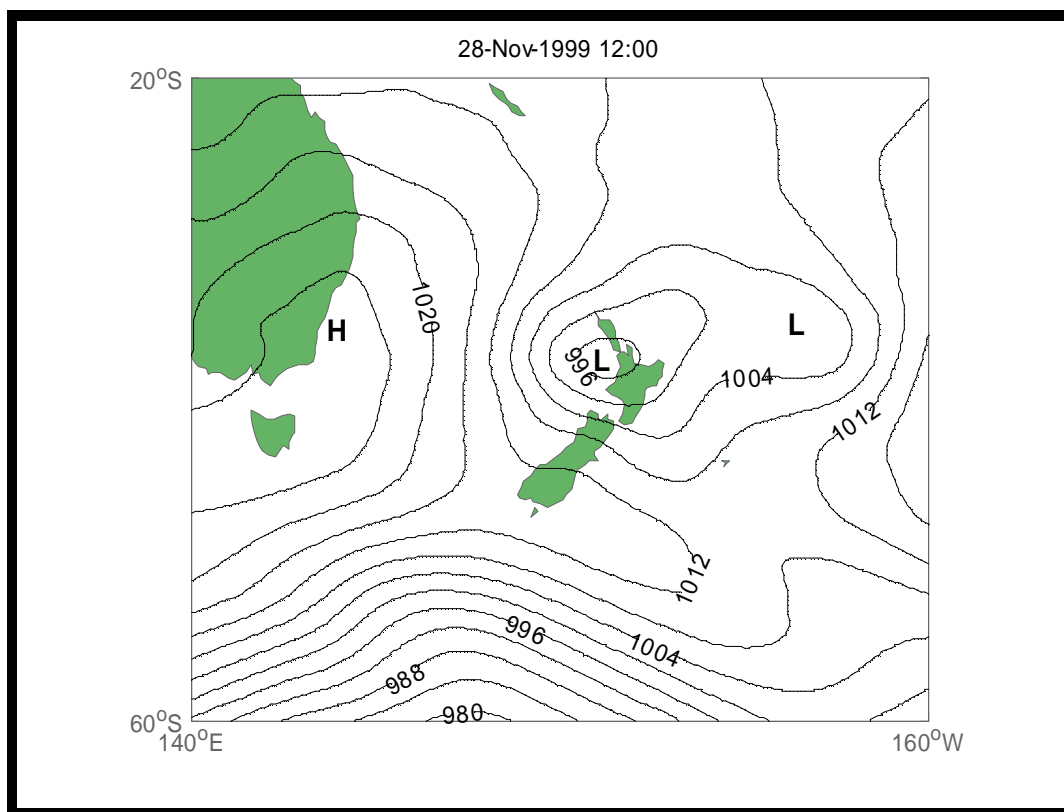


Coastal Storm Database - Event Summary

| | |
|------------------------------|--|
| Date: 27-30 Nov 1999 | Wind Direction: S |
| Event Type: Wind/Wave | Gisborne Duration (Hours): - |
| Location: Wellington | Wellington Duration (Hours): 57 |
| Origin: Eastern NZ | Pressure Gradient: S to ESE |
| Type: Tasman Sea Low | |



Synoptic Conditions

A cyclone developed west of Auckland from a southern ocean trough and merged with a subtropical centre. At the same time a large intense anticyclone covered the the Tasman sea and extended a ridge over the South Island. Between these two systems a SE flow was created over the eastern South Island and in Cook Strait. As the cyclone moved off NZ and over the Chatham Islands the flow spread along the eastern North Island and veered to the south. This strong flow was enhanced by the eastward movement of a large anticyclone in the Tasman sea and its associated ridge over the South Island.

Storm Type Sequence: Tasman sea low - east coast low

Sea Conditions

5-8m waves in Cook Strait

Maximum Wave Statistics

| Location | Max Wave Height (m) | Period (s) |
|----------------------|---------------------|------------|
| Wellington | 4.0 | 9 |
| *Maximum Wave Height | | |

Maximum Wind Gusts (kph and dir)

| | Date | Gisborne | Napier | Wellington |
|--------------------|---|----------|--------|------------|
| | 27-Nov-99 | | | 67 (S) |
| | 28-Nov-99 | | | 104 (S) |
| | 29-Nov-99 | | | 89 (S) |
| | 30-Nov-99 | | | 69 (S) |
| <hr/> | | | | |
| Impact Area | Impacts and Damages | | | |
| Wellington | <ul style="list-style-type: none">● Some flight delays due to strong gusty winds● Roofs torn off houses, windows blown in on the south coast● Debris thrown onto Eastern Bays roads at Lowry and York Bay from high seas● 5-8m waves in Cook Strait and huge waves at Wellington Heads; lead to cancellation of ferry services | | | |
| <hr/> | | | | |
| Data Source | | | | |
| 1 | We're too Soft - Metservice: Evening Post, 30/11/1999, p3 | | | |
| 2 | Southerly Storm Brings Record Rain: Dominion Post, 30/11/1999, p1 | | | |
| 3 | Southerly Storm Wrecks Houses, Traps Trampers: Evening Post, 29/11/1999, p1 | | | |