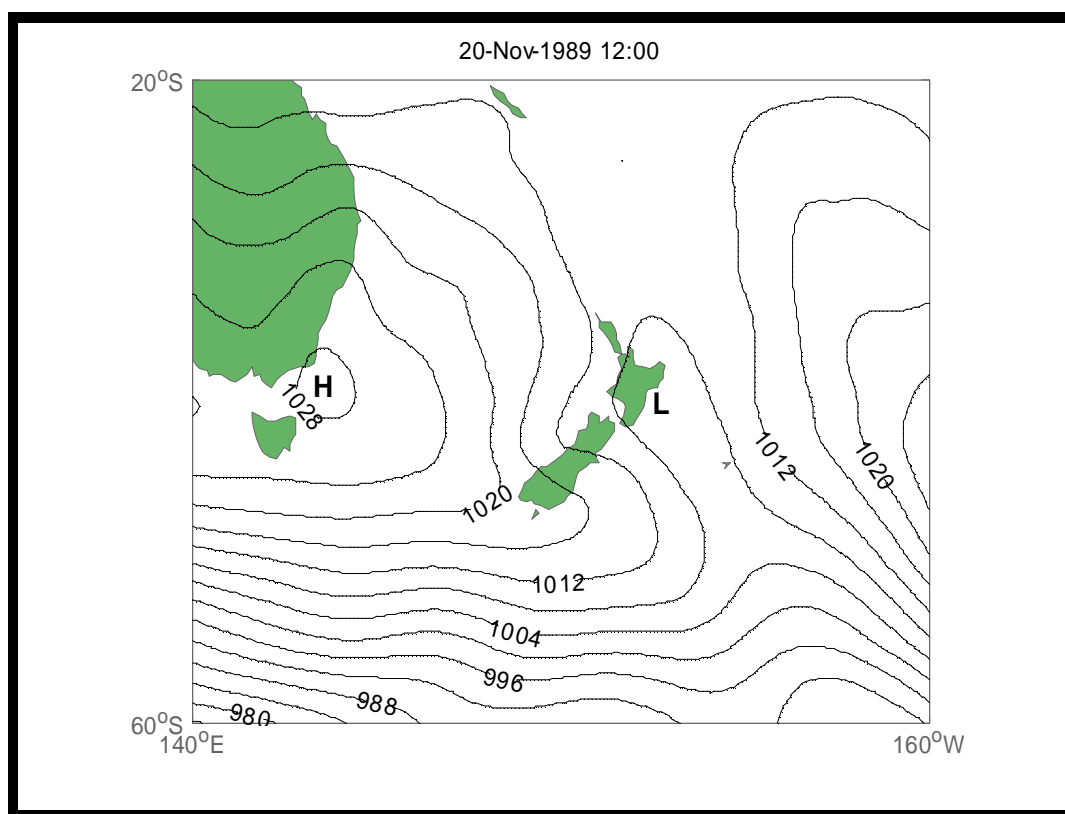


Coastal Storm Database - Event Summary

Date: 20-23 Nov 1989	Wind Direction: S
Event Type: Wind	Gisborne Duration (Hours): 7
Location: Gisborne/Wellington	Wellington Duration (Hours): 36
Origin: Subtropics	Pressure Gradient: SSE to SE
Type: East Coast Low	



Synoptic Conditions

A trough from the southern ocean moved across NZ and on the 20th was east of NZ over the Chatham Islands. At the same time a large intense anticyclone in the Tasman sea spread a ridge over the South Island. Between these features a SE airstream developed and affected the Cook Strait area. The flow then weakend on the 22nd and reintensified on the 23rd as a new sutropical cyclone tracked southward from north of NZ and covered the North Island. At this time a large ridge of high pressure covered the South Island and Tasman sea and between them a strong SE airstream again affected the eastern North Island and the flow later veered round to the E and NE on the 23rd

Storm Type Sequence: trough - east coast low

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.4	7
Napier	3.0	7
Gisborne	4.1	7

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
20-Nov-89	46 (S)	35 (E)	89 (S)
21-Nov-89	63 (S)	50 (SW)	82 (S)
22-Nov-89	72 (S)	45 (SE)	46 (SE)
23-Nov-89	98 (S)	74 (E)	128 (S)

Impact Area

Gisborne
Wellington

Impacts and Damages

- Fallen trees caused power outages
- 75 flight cancellations at airport

Data Source

- 1 Southerly Gales Wreck Havoc: Dominion Post, 24/11/1989, p1
 - 2 Alert as Strong Wind and Rain Lash District: Evening Post, 23/11/1989, p1
 - 3 Southerly Blast Topples Flagpole: Evening Post, 24/11/1989, p3
 - 4 Gale Force Winds Lash City: Evening Post, 23/11/1989, p3
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