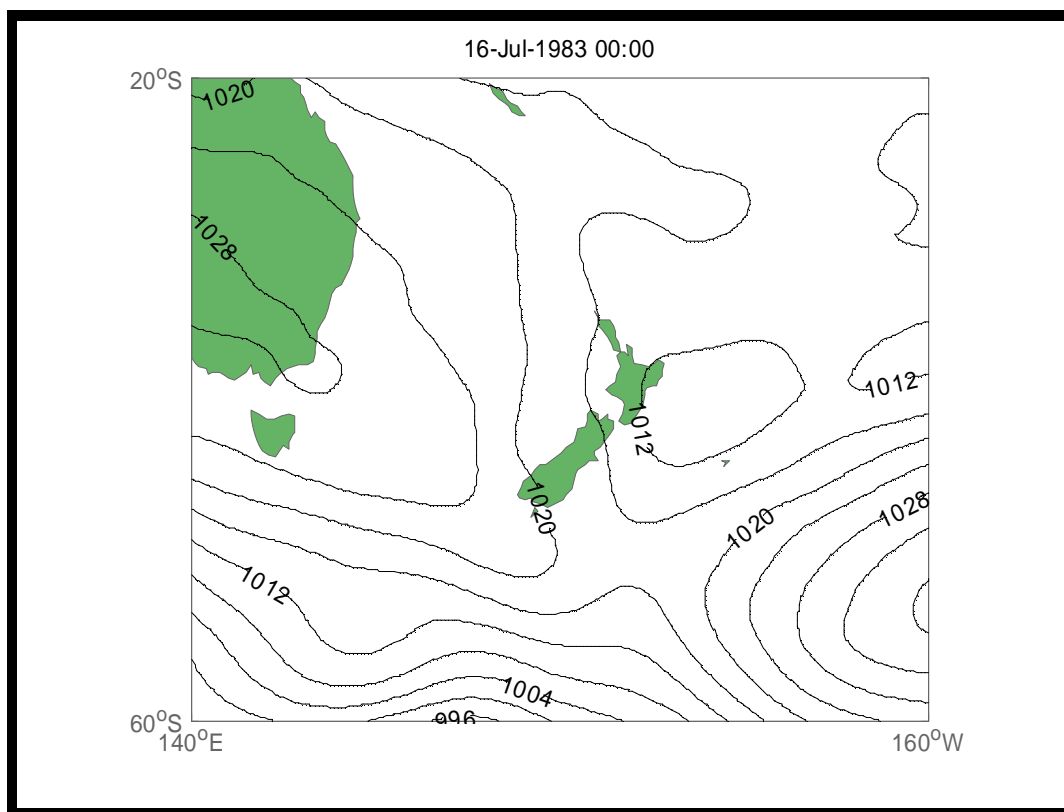


Coastal Storm Database - Event Summary

Date: 15-18 Jul 1983	Wind Direction: S
Event Type: Wind/Wave	Gisborne Duration (Hours): -
Location: Gisborne/Wellington	Wellington Duration (Hours): 62
Origin: Subtropics	Pressure Gradient: S
Type: East Coast Low	



Synoptic Conditions

A trough of low pressure from the tropics north of NZ covered the North Island and strengthened into a closed low off Cook Strait. On its western side was a strong southerly airstream that swept through Cook Strait. This strong flow was assisted by a ridge of high pressure across the lower South Island. The cyclone remained off the eastern North Island on the 16th and 17th and continued to funnel a southerly airstream through Cook Strait

Sea Conditions

Measured waves off Gisborne reached heights of just under 3.5m

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.0	6
Napier	2.6	7
Gisborne	2.8	8

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
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Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
15-Jul-83	32 (SW)	30 (SW)	65 (S)
16-Jul-83	22 (W)	43 (SW)	83 (S)
17-Jul-83	37 (W)	54 (SW)	83 (SW)
18-Jul-83	30 (N)	50 (SW)	91 (SW)

Impact Area

Gisborne
Wellington

Impacts and Damages

- Measured waves off Gisborne reached upto 3.5m
- Minor flooding and slips spread through city

Data Source

- 1 Rain, Dark, Relentless: Evening Post, 18/07/1983, p1