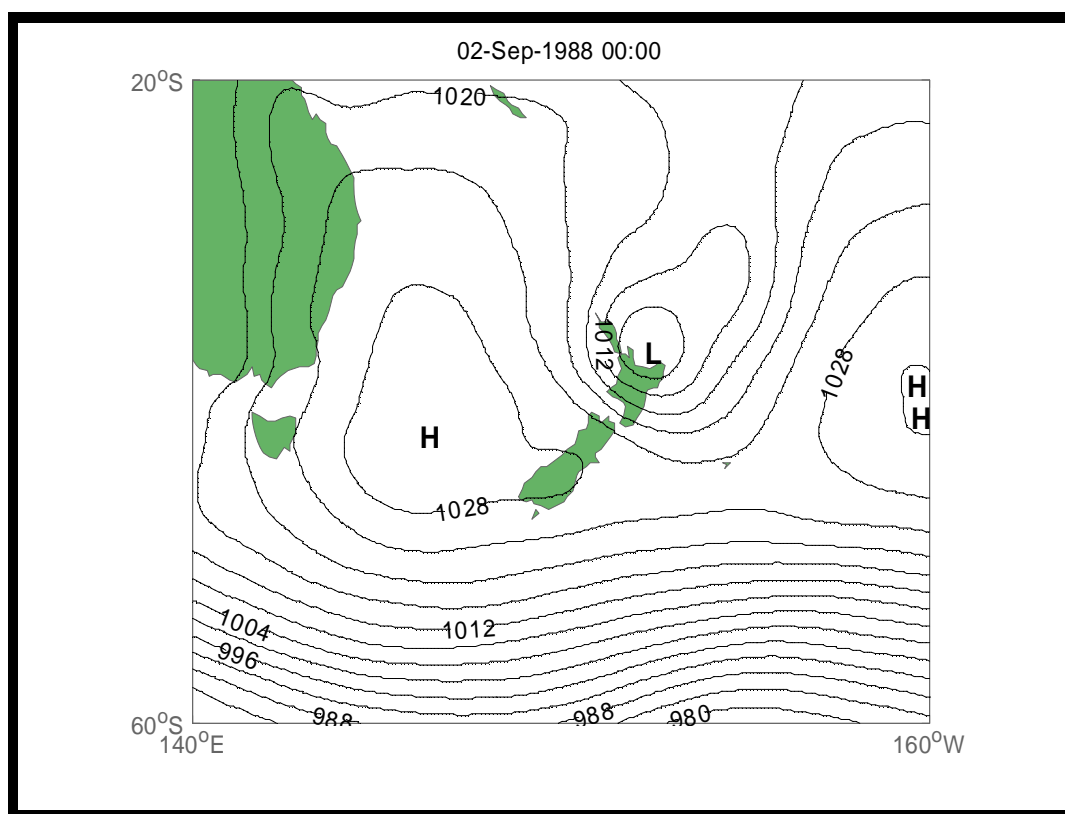


Coastal Storm Database - Event Summary

Date: 1-3 Sep 1988	Wind Direction: S
Event Type: Wind	Gisborne Duration (Hours): 14
Location: Gisborne/Wellington	Wellington Duration (Hours): 53
Origin: Subtropics	Pressure Gradient: SE
Type: East Coast Low	



Synoptic Conditions

A trough from the subtropics directly north of NZ formed into a closed cyclonic centre over East Cape on the 1st. This cyclone split a large anticyclone over the Tasman Sea-NZ-Chatham Islands sector into two centres with one being in the south Tasman sea and the other being off to the east. On the southern side of the cyclone a strong SE airstream was created and swept over the eastern North Island. With the cyclone remaining near East Cape the strong SE airstream was maintained along the eastern North Island and later spread southward to be focused in the Cook Strait area on the 3rd.

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.2	7
Napier	4.4	8
Gisborne	4.5	8

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
01-Sep-88	100 (S)	89 (S)	93 (S)

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
02-Sep-88	28 (S)	33 (SW)	100 (S)
03-Sep-88	41 (S)	45 (S)	87 (S)

Impact Area

Gisborne

Impacts and Damages

- Problems with city water supply lead to warning to boil water in case of contamination
- Two houses lost roofs from strong winds
- Widespread flooding near Ruatoria

Wellington

- Closure of airport

East Cape

- Extensive surface flooding at Te Araroa

Wairarapa

- Biggest flood on record

Data Source

- 1 Record Flooding Cuts off Roads and Ruins Farmland: Dominion Post, 5/09/1988, p1
 - 2 Tree Kills Driver as Storms hit Hard: Dominion Post, 2/09/1988, p1
 - 3 Silt, Debris as Waters Recede: Gisborne Herald, 5/09/1988, p3
 - 4 Bad Weather Disrupts Holiday Air Traffic: Evening Post, 5/09/1988, p3
 - 5 Winter in the Spring: Gisborne Herald, 1/09/1988, p1
 - 6 People Flee Flooded Homes: Evening Post, 3/09/1988, p1
 - 7 Storm Brings Death & More Misery: Evening Post, 2/09/1988, p3
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