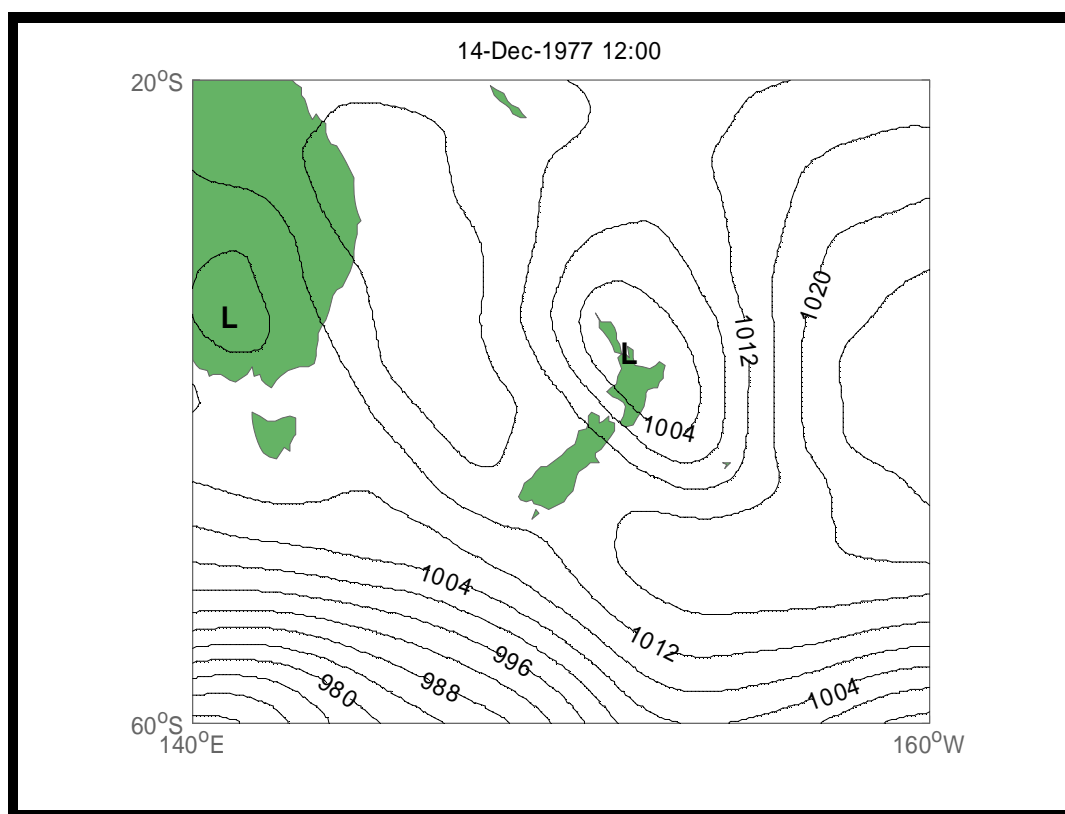


Coastal Storm Database - Event Summary

Date: 14-15 Dec 1977	Wind Direction: S
Event Type: Wind	Gisborne Duration (Hours): -
Location: Wellington	Wellington Duration (Hours): 33
Origin: Tasman Sea	Pressure Gradient: S to SE
Type: East Coast Low	



Synoptic Conditions

A cyclone developed in the central Tasman sea east of Bass Strait from a southern ocean trough and moved southeast-ward across the lower South Island. At this stage the cyclone was between two anticyclones. As this cyclone moved into the southern ocean a secondary centre developed west of the South Island from its trough and moved northward towards North Cape. On the 14th this cyclone was over the Bay of Plenty and was surrounded by high pressures (including a ridge over the South Island). Between the ridge and cyclone a strong SE airstream developed over the lower North Island and through Cook Strait and continued on the 15th when the cyclone was east of Cook Strait.

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
14-Dec-77	50 (NW)	54 (S)	76 (S)
15-Dec-77	65 (W)	70 (W)	89 (SW)