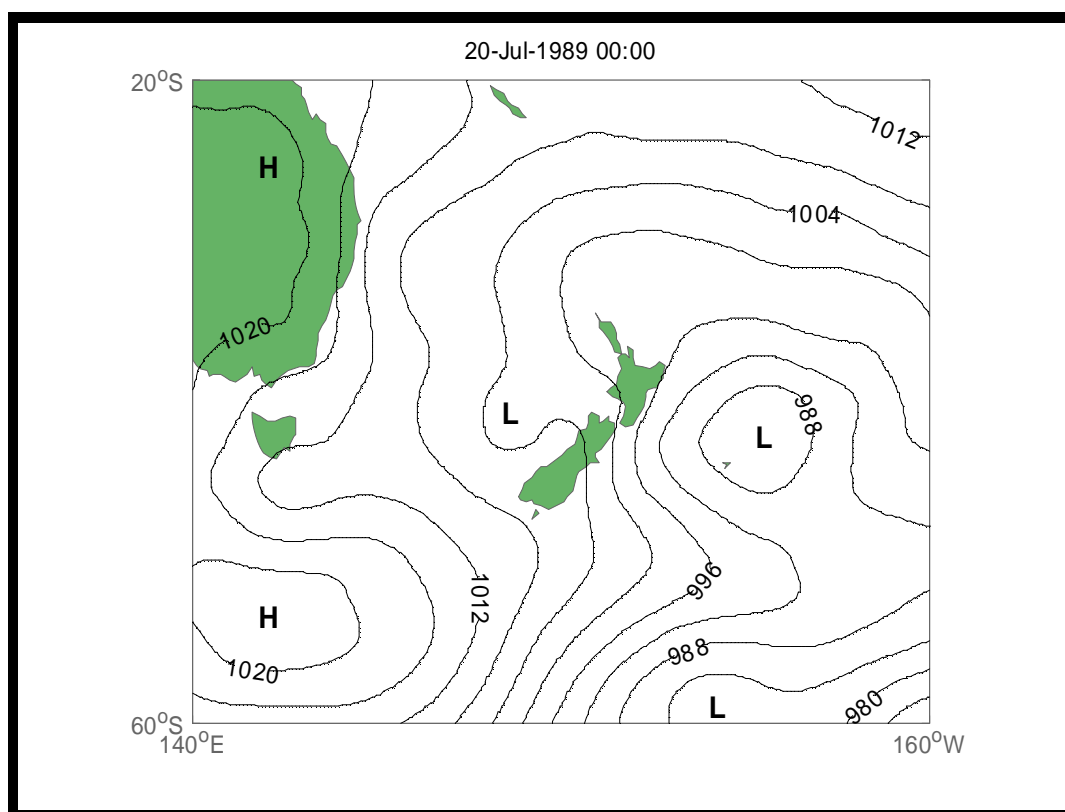


Coastal Storm Database - Event Summary

Date: 19-22 Jul 1989	Wind Direction: S
Event Type: Wind	Gisborne Duration (Hours): -
Location: Wellington	Wellington Duration (Hours): 77
Origin: Eastern NZ	Pressure Gradient: S to SSW
Type: East Coast Secondary Low	



Synoptic Conditions

The Tasman sea and NZ area was surrounded by low pressure on the 17 and 18th, after which a small cyclone formed over the North Island and was off Hawkes Bay (north of Chathams) on the 19th. On the western side of the cyclone a SSE airstream developed and covered the South Island and Cook Strait area. Over the next 48 hours the cyclone intensified near the Chathams and the flow veered to the SSW and strengthened through Cook Strait before spreading up the North Island. This flow weakened on the 21st

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	2.5	6
Napier	2.9	7
Gisborne	3.6	7

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
19-Jul-89	39 (W)	45 (SW)	87 (S)
20-Jul-89	52 (SW)	72 (S)	91 (S)

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
21-Jul-89	63 (S)	56 (S)	80 (S)
22-Jul-89	39 (W)	39 (S)	59 (S)
