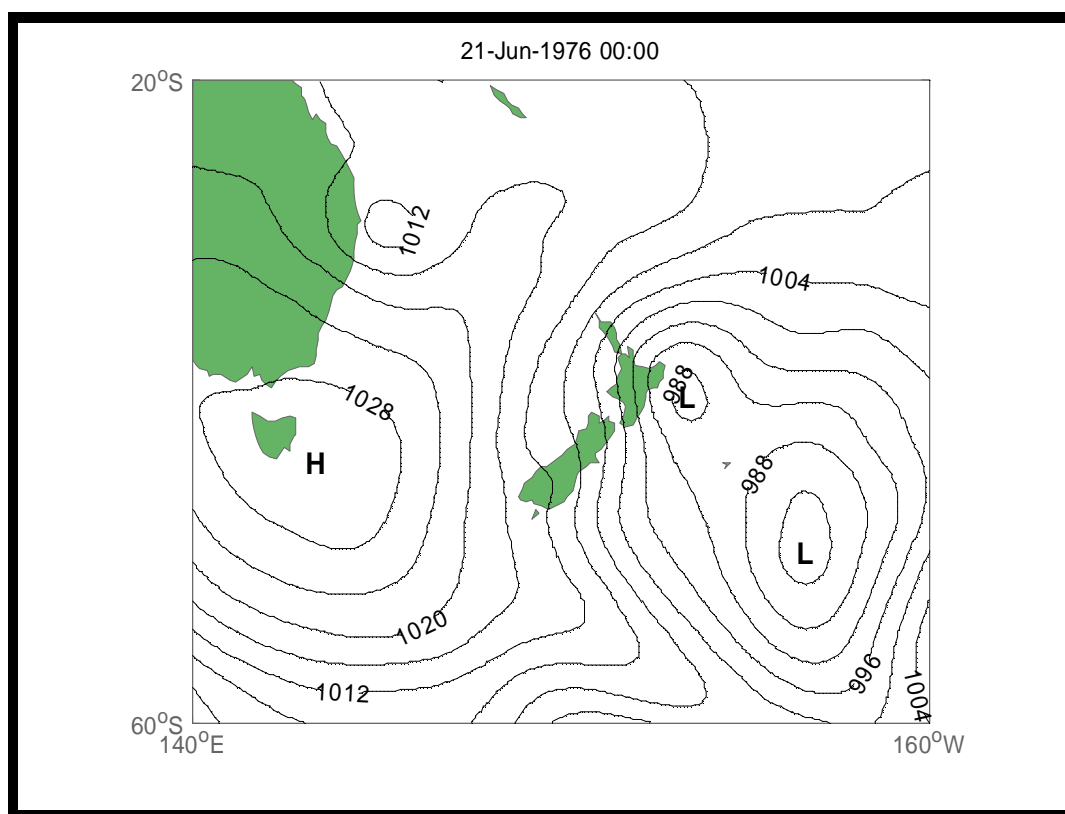


Coastal Storm Database - Event Summary

Date: 20-25 Jun 1976	Wind Direction: S
Event Type: Wind/Wave	Gisborne Duration (Hours): 6
Location: Gisborne/Wellington	Wellington Duration (Hours): 115
Origin: Southern Ocean	Pressure Gradient: S
Type: East Coast Low	



Synoptic Conditions

A trough from the southern ocean extended over NZ and joined a cyclone that was east of the Chatham Islands. This cyclone was being followed by a large intense anticyclone over Tasmania. On the 20th a strong southerly airstream developed between the anticyclone and trough to the east of NZ, and swept over the eastern South Island and lower North Island. This flow intensified on the 21st and a large fetch was observed. The winds continued on the 22nd and 23rd, though with less velocity and from the south, as the departing cyclone extended a weak trough westward. On the 24th the flow again intensified (not shown - due to date limitations) as another trough/cyclone tracked northeast-ward along the eastern edge of the anticyclone.

Storm Type Sequence: east coast low - trough

Sea Conditions

Waves estimated at 7-8m off Wellington

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
20-Jun-76	56 (W)	95 (SW)	126 (S)
21-Jun-76	80 (SW)	93 (SW)	122 (S)
22-Jun-76	59 (SW)	59 (SW)	87 (SW)
23-Jun-76	59 (SW)	50 (S)	83 (S)
24-Jun-76	67 (S)	59 (SW)	108 (S)

Maximum Wind Gusts (kph and dir)

	Date	Gisborne	Napier	Wellington
	25-Jun-76	72 (S)	61 (SW)	85 (S)
Impact Area	Impacts and Damages			
Gisborne	<ul style="list-style-type: none">Freighter 'Matauri' unable to berth in Port because of large south swell; Harbourmaster said swell still 6-7ft (22nd)			
Wellington	<ul style="list-style-type: none">Ferry 'Aranui' met waves estimated at 25ft (7-8m) in Cook StraitPower failuresSnow in cityAirport closed because of high winds; 39 flights disrupted			

Data Source

- 1 Farms Isolated and Without Power in Snowstorms Wake: Gisborne Herald, 22/06/1976, p1
 - 2 Winter Sweeps Over NZ with an Icy Blast: Gisborne Herald, 21/06/1976, p12
 - 3 Strait Gale Forces Ferry Turn-Around: Gisborne Herald, 21/06/1976, p6
 - 4 High Country Snow Cuts City Water, Closes Whararata's: Gisborne Herald, 21/06/1976, p1
 - 5 Land of Long White Shroud - Freeze Grips Both Islands: New Zealand Herald, 22/06/1976, p1
 - 6 Flakes in City: New Zealand Herald, 22/06/1976, p1
-