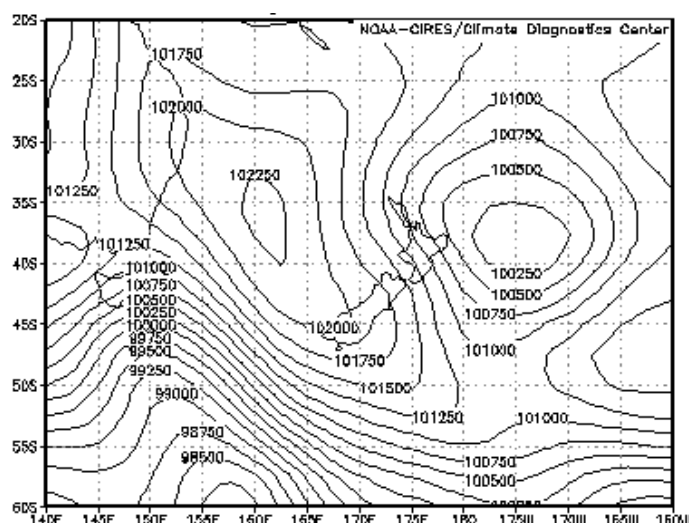


Coastal Storm Database - Event Summary

Date: 20-21 Oct 1957	Wind Direction:
Event Type: Wind/Wave	Gisborne Duration (Hours): -
Location: Gisborne/Wellington	Wellington Duration (Hours): -
Origin: Eastern NZ	Pressure Gradient: S to SE
Type: East Coast Secondary Low	

21-Oct-1957 0:00



Synoptic Conditions

A trough from the southern ocean travelled across the Tasman sea and passed over NZ. On the 18th a secondary centre developed over NZ and on the 20th was north of the Chatham Islands. At the same time a large anticyclone had moved into the Tasman Sea and extended a ridge to the southeast over the South Island. Between the ridge and cyclone a southerly airstream was created and affected the eastern South Island and Cook Strait area and later spread up the eastern North Island as a SE airstream.

Sea Conditions

Mountainous seas off Wellington coast

Impact Area

Gisborne
Wellington

Impacts and Damages

- Strong winds gusting upto 85 km/hr
- Windows blown in, tree's brought down, fences flattened all over city
- Wind gusts reached upto 109 km/hr at Kelburn and 116 km/hr at the airport
- Coastal vessels sheltering near the coast or returned to Port; all services halted
- Hutt Valley railway services halted due to large waves breaking over the sea wall
- Large waves pounding beaches and exposed roads

Data Source

- 1 Strong Winds at Gisborne: Gisborne Herald, 21/10/1957, p8

