



Australian Government
Bureau of Meteorology

Tropical Cyclone *Bessi*

13 – 18 April 1990
Perth Tropical Cyclone Warning Centre
Bureau of Meteorology

A. Summary

Bessi was a poorly developed cyclone with no identifiable cloud bands visible from satellite and gales well displaced from the surface low pressure minimum.

B. Meteorological Description

A broad low pressure area with associated convective activity was detected near 10°S, 88°E on 9 April. By 0000 UTC 13 April it had deepened to a depression with a central pressure of 998 hPa near 11.0°S, 89.4°E. The centre drifted to the south but gales surrounding the centre were not evident until 0600 UTC 15 April when the central pressure had fallen to 990 hPa. *Bessi* maintained this intensity and a south-southeast movement until 0000 UTC 17 April when, through the influence of a strong high latitude depression, *Bessi* accelerated to the southeast, rapidly sheared and decayed.

The poor circulation and cloud features associated with *Bessi* made it very difficult to locate the cyclone centre on several occasions. Post analysis, with the benefit of hindsight, suggests that over a 12-hour period the actual track was more than 200 km from the position stated in the warnings.

C. Impact

No damage was reported.

Table 1. Best track summary for *Bessi*

Note: Add 8 hours to convert to WST. Refer to best track database for complete track details.

Year	Month	Day	Hour (UTC)	Position Latitude S	Position Longitude E	Max wind 10min knots	Central Pressure hPa	Rad. of Gales nm
1990	04	13	0000	11.0	89.4	35	998	
1990	04	13	1200	11.8	89.3	35	998	
1990	04	14	0000	12.8	89.3	35	998	
1990	04	14	1200	13.8	89.3	35	998	
1990	04	15	0000	15.0	89.7	40	995	
1990	04	15	0600	15.5	90.4	40	993	280
1990	04	15	1200	16.2	90.8	45	990	205
1990	04	15	1800	16.8	91.3	45	990	
1990	04	16	0000	17.4	91.6	45	990	
1990	04	16	0600	18.0	91.9	45	992	205
1990	04	16	1200	18.7	92.2	40	993	
1990	04	16	1800	19.3	92.6	40	994	
1990	04	17	0000	20.0	93.0	40	995	
1990	04	17	0600	20.7	93.4	35	998	
1990	04	17	1200	21.7	94.2	30	1000	
1990	04	17	1800	22.7	94.9	25	1002	
1990	04	18	0000	24.0	96.0	25	1004	
1990	04	18	0600	25.5	97.3	0	1006	

Figure 1. Track of Tropical Cyclone *Bessi*, 13 – 18 April 1990
All times in WST.

