



Australian Government
Bureau of Meteorology

Severe Tropical Cyclone *Hubert*

10 – 19 February 1985

Perth Tropical Cyclone Warning Centre
Bureau of Meteorology

A. Summary

A low that developed in the Joseph Bonaparte Gulf tracked on a general westerly course for much of its lifetime. Tropical cyclone intensity was reached near the north Kimberley coast, but intensification was rapid once it moved over open waters reaching category 4 intensity early on 14 February.

Hubert began to weaken later on 14 February eventually passing west of 90E on 17 February and weakening below cyclone intensity on 19 February.

B. Meteorological Description

The pre-cyclonic low that developed into cyclone *Hubert* formed rapidly in the Joseph Bonaparte Gulf on the 10 February.

The low moved steadily westward moving over the far northern Kimberley area for some 18 hours as it deepened. As it reached open waters on 11 February, the low immediately deepened and continued westward. Peak intensity was reached early on 14 February.

In the main the track of the cyclone was westward under the influence of easterlies at all levels associated with a strong high to the south, although minor perturbations were caused by interaction with *Isobel* between 14 and 16 February. The interaction partly disrupted the airflow around *Hubert* and contributed significantly to the weakening of the cyclone.

By 0000 UTC 18 February the cyclone had moved to 18.7° S and 86.8° E and was weakening steadily. At this stage the track became more south westerly as the cyclone began to be influenced by an extra tropical low to the west. Cyclonic strength was lost by 1800 UTC 18 February and the post cyclonic low had merged with the extra tropical low by 0600 UTC 19 February at 20.5° S and 82.0° E.

C. Impact

There were no known impacts associated with TC *Hubert*.

D. Observations

A ship recorded wind of 83 km/h while located 110 km from the centre of the cyclone at 2100 UTC 16 February.

Table 1 Best track summary for Tropical Cyclone *Hubert* 10 – 19 February 1985. 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
1985	02	10	0000	14.2	129.0		1001	
1985	02	10	0600	14.2	128.5		999	
1985	02	10	1200	14.3	127.9		998	
1985	02	10	1800	14.3	127.3		998	
1985	02	11	0000	14.4	126.5	35	997	
1985	02	11	0600	14.6	125.7	35	996	
1985	02	11	1200	14.9	124.9	40	995	
1985	02	11	1800	15.3	124.0	45	993	
1985	02	12	0000	15.8	123.2	45	990	
1985	02	12	0600	15.8	122.2	50	987	
1985	02	12	1200	15.8	120.4	55	984	
1985	02	12	1800	15.8	120.0	65	976	
1985	02	13	0000	16.0	118.9	70	973	
1985	02	13	0600	16.2	117.4	75	969	
1985	02	13	1200	16.5	116.1	75	962	
1985	02	13	1800	17.0	114.4	90	954	
1985	02	14	0000	17.4	112.4	90	954	
1985	02	14	0600	17.8	110.6	90	956	105
1985	02	14	1200	18.3	109.0	85	959	
1985	02	14	1800	18.9	107.3	85	961	
1985	02	15	0000	19.3	105.5	80	963	
1985	02	15	0600	19.5	103.5	80	964	
1985	02	15	1200	19.4	101.5	75	970	
1985	02	15	1800	19.2	99.6	65	978	
1985	02	16	0000	19.0	97.8	60	981	
1985	02	16	0600	18.8	96.0	55	985	65
1985	02	16	1200	18.6	94.8	50	986	130
1985	02	16	1800	18.4	93.7	50	987	
1985	02	17	0000	18.3	92.2	50	988	
1985	02	17	0600	18.4	90.7	50	988	
1985	02	17	1200	18.5	89.3	45	989	
1985	02	17	1800	18.6	88.0	45	990	
1985	02	18	0000	18.7	86.8	45	992	
1985	02	18	0600	18.9	85.8	45	993	
1985	02	18	1200	19.2	84.9	35	995	
1985	02	18	1800	18.5	84.0	35	997	
1985	02	19	0000	19.9	83.0		999	
1985	02	19	0600	20.5	82.0		999	

Figure 1. Track of Topical Cyclone *Hubert* 10 – 19 February 1985.
All times in WST.

