



Australian Government
Bureau of Meteorology

Tropical Cyclone *Paul*

12 - 20 April 2000

Perth Tropical Cyclone Warning Centre
Bureau of Meteorology

A. Summary

A low that developed north of the Kimberley moved west over open waters intensifying rapidly to reach category 5 intensity before weakening south of Cocos Islands. There was no known impacts associated with *Paul*.

B. Meteorological Description

Intensity Analysis

Tropical Cyclone *Paul* started as a low north of the Kimberley in the Timor Sea on 10 April and despite no model guidance to indicate development, formed into a category 1 cyclone on 12 April. Initially *Paul* was located just to the north of the upper level ridge but then moved towards in an area of low shear where it remained for most of its life as it moved in a general westerly direction. Intensification was rapid on 13-15 April, *Paul* going from category 1 to category 5 in 48 hours. Weakening was gradual from 16 April and then the cyclone finally succumbed to increasing shear on 20 April.

Motion

Paul was located north of the mid-level ridge and maintained a steady westward movement from 12 until 17 April. During the 17 April a transition took place and the ridge axis was split. By 18 April the cyclone became captured by a westerly steering flow and from this point on the cyclone slowed and weakened. By the 20 April *Paul* was a sheared system with the low level centre almost stationary.

Structure

Paul was a symmetric cyclone with radius to gales of 130 kilometres and radius to hurricane winds 70 kilometres. Between 14 and 18 April *Paul* had a clear well defined eye, with a diameter of 40 kilometres.

C. Impact

There was no known impacts associated with Tropical Cyclone *Paul*.

D. Observations

Nil.

Table 1. Best track summary for Tropical Cyclone *Paul*, 10 - 20 April 2000

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
2000	04	10	2200	13.0	127.5	25	1000	
2000	04	11	0400	13.0	126.4	25	1000	
2000	04	11	1000	13.0	125.2	25	1000	
2000	04	11	1600	13.0	123.7	25	1000	
2000	04	11	2200	13.0	121.9	25	1000	
2000	04	12	0400	13.2	120.0	25	1000	
2000	04	12	1000	13.5	118.3	35	995	70
2000	04	12	1600	13.6	116.5	35	995	70
2000	04	12	2200	13.8	115.0	40	990	70
2000	04	13	0400	14.0	113.5	40	990	70
2000	04	13	1000	14.4	112.0	55	980	70
2000	04	13	1600	15.0	110.5	65	970	70
2000	04	13	2200	15.3	109.4	75	960	70
2000	04	14	0400	15.2	108.5	80	955	70
2000	04	14	1000	15.0	107.4	95	940	70
2000	04	14	1600	14.8	106.5	100	930	70
2000	04	14	2200	14.6	105.4	105	920	70
2000	04	15	0400	14.2	104.2	110	915	70
2000	04	15	1000	14.1	103.3	110	915	70
2000	04	15	1600	13.7	102.4	110	915	70
2000	04	15	2200	13.6	101.5	105	920	70
2000	04	16	0400	13.6	100.7	100	930	70
2000	04	16	1000	13.6	99.9	95	940	70
2000	04	16	1600	13.8	99.0	85	950	70
2000	04	16	2200	13.8	98.2	80	955	70
2000	04	17	0400	14.0	97.6	80	955	70
2000	04	17	1000	14.4	97.1	80	955	70
2000	04	17	1600	14.6	96.6	80	955	70
2000	04	17	2200	14.5	96.1	80	955	70
2000	04	18	0400	14.6	95.7	80	955	70
2000	04	18	1000	14.6	95.5	80	955	70
2000	04	18	1600	14.8	95.3	80	955	70
2000	04	18	2200	14.9	95.3	70	965	70
2000	04	19	0400	14.9	95.2	70	965	70
2000	04	19	1000	15.1	95.0	60	975	70
2000	04	19	1600	15.0	95.0	50	985	70
2000	04	19	2200	15.0	94.7	50	985	70
2000	04	20	0400	14.8	94.5	40	990	70
2000	04	20	0800	15.0	94.3	35	995	70

Figure 1. Track of Tropical Cyclone *Paul*, 11 - 20 April 2000. All times in WST.

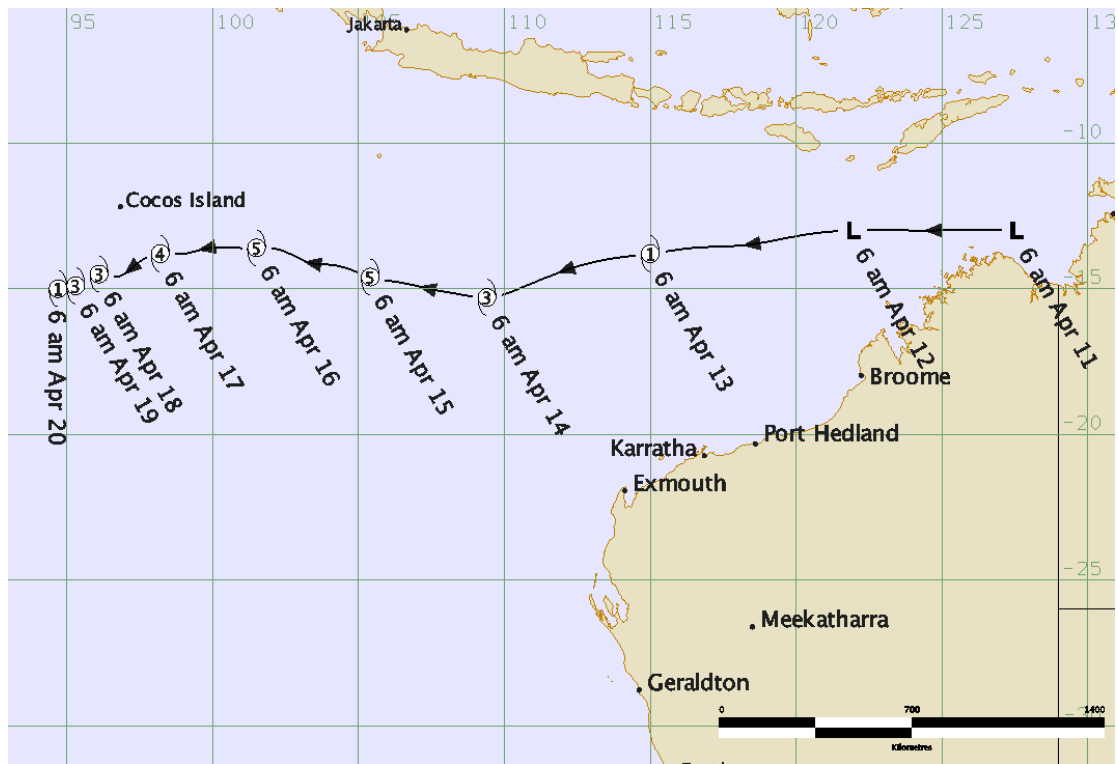


Figure 2. Microwave image of Tropical Cyclone *Paul* close to maximum intensity, 1457 UTC 15 March 2000.

