



Australian Government
Bureau of Meteorology

Tropical Cyclone Pedro

6 – 13 November 1989
Perth Tropical Cyclone Warning Centre
Bureau of Meteorology

A. Summary

A low pressure centre was detected in the monsoon trough near 7.8°S, 97.2°E. at 0000 UTC 6 November. It slowly became more organised and drifted in a general westerly direction for the next 48 hours. Observational data indicate that gale force winds were well displaced from the centre of the circulation at this stage.

Maximum intensity was reached at 0600 UTC 10 November when the central pressure was 982 hPa and *Pedro* was at 12.4°S 95.5°E. The eye was briefly discernible on satellite imagery at that time. At about 1300 UTC 10 November, *Pedro* began a more southerly and later a south southwesterly track. Strong vertical shear exposed the low-level circulation to the northwest of the main convective cloudband and the cyclone weakened. By 0000 UTC 13 November, gales had subsided and the remnants had dissipated by 0700 UTC 14 November.

Pedro passed within 140 km of Cocos Island where the highest wind gust recorded was 137 km/h and the minimum pressure was 1000 hPa. Structural damage to the loading wharf and light damage to a palm plantation occurred. Two hundred and two millimetres of rain fell in 24 hours and local flooding was reported.

Table 1. Best track summary for *Pedro*, 6 – 13 November 1989

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
1989	11	6	0000	7.8	97.2	25	1005	
1989	11	6	0600	7.4	96.7	25	1003	
1989	11	6	1200	7.0	96.5	25	1002	
1989	11	6	1800	6.7	96.4	30	1001	
1989	11	7	0000	6.6	96.1	30	1000	
1989	11	7	0600	6.8	95.5	35	999	
1989	11	7	1200	6.9	94.8	35	999	
1989	11	7	1800	7.0	94.3	35	998	
1989	11	8	0000	7.0	93.8	35	997	
1989	11	8	0600	7.7	93.5	35	996	
1989	11	8	1200	8.4	93.7	35	996	
1989	11	8	1800	9.0	94.0	40	995	
1989	11	9	0000	9.7	94.2	40	995	140
1989	11	9	0600	10.3	94.5	40	995	240
1989	11	9	1200	11.0	94.9	45	992	175
1989	11	9	1800	11.5	95.1	50	988	205
1989	11	10	0000	12.0	95.3	55	984	205
1989	11	10	0600	12.4	95.5	60	982	205
1989	11	10	1200	12.9	95.9	60	982	65
1989	11	10	1800	13.3	96.1	55	984	55
1989	11	11	0000	14.0	96.1	50	986	
1989	11	11	0600	14.6	96.0	50	988	
1989	11	11	1200	15.5	95.8	45	990	
1989	11	11	1800	16.5	95.6	45	992	
1989	11	12	0000	17.5	95.0	45	992	
1989	11	12	0600	18.4	94.5	40	994	
1989	11	12	1200	19.3	94.4	40	994	
1989	11	12	1800	20.2	94.5	40	995	
1989	11	13	0000	20.7	95.2	40	995	
1989	11	13	0600	20.9	96.3	35	997	

Figure 1. Track of Tropical Cyclone Pedro, 6 – 13 November 1989
All times in WST.

