Australian Government
Bureau of Meteorology

Severe Tropical Cyclone *Daryl*

16 – 25 November 1995

Perth Tropical Cyclone Warning Centre
Bureau of Meteorology

A. Summary

TC *Daryl* was an Indian Ocean cyclone that formed west of Sumatra and initially tracked south then southwest passing to the northwest of Cocos Islands on 18 November. Daryl then moved to the west intensifying to category three intensity before moving west of 90°E into the Mauritius area of responsibility and was renamed *Agnielle*. TC *Daryl/Agnielle* was at its most intense later on 20 November before weakening over open waters.

Although Cocos Island experienced heavy rain and squally conditions there was no known damage associated with *Daryl/Agnielle.*

B. Meteorological Description

Intensity analysis

Tropical cyclone *Daryl* initially formed west of Sumatra on 16 November in a region of low vertical wind shear following a surge in the low-level westerlies near the equator. It reached tropical cyclone intensity at 2100 UTC 17 November when it was about 220 km northwest of Cocos Islands. At this time strong squally winds below gale force and heavy rain were observed at Cocos.

Lying to the north of a middle-level ridge, *Daryl* tracked westwards and intensified, reaching category three intensity at 0600 UTC 19 November. From then on the cyclone began to track towards the southwest after it passed the main high cell in the middle-level ridge. During 22 November it began on a southerly track. It had been only slowly weakening and it remained severe for more than four days with a well-defined eye evident on satellite imagery for three and a half days. By 2100 UTC 23 November its southerly track placed the cyclone under strong upper northwesterly winds and the convective cloud began to be displaced away from the low- level centre. It rapidly weakened with the low-level centre then being steered towards the west by a low-level ridge. The low-level circulation had dissipated by 0000 UTC 25 November 1995 when it was near 17°S 77°E.

Motion and Structure

The low-level centre initially moved south southwest until becoming organized through the troposphere by 18 November when it began to track westwards under the influence of a mid-level ridge to the south. During 20 November *Daryl/Agnielle* began to track to the southwest as the main high in the mid-level ridge centred itself to the southeast of *Daryl*. *Daryl/Agnielle* then tracked south on 22 November around the shoulder of the ridge. Overnight on 23 November *Daryl/Agnielle* sheared apart.

The low-level centre then steered westwards under the influence of a developing low-level ridge to the south.

C. Impact

Cocos Islands experienced strong squally winds and heavy rain but no gale force winds were observed.

D. Observations

Rainfall
Cocos Islands experienced heavy rainfall.

Table 1. Best track summary for *Daryl, 16 – 25 November 1995*
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
1995	11	16	0100	7.0	95.5	20	1004	
1995	11	16	0700	7.5	96.5	20	1004	
1995	11	16	1300	8.1	96.5	25	1002	
1995	11	16	1900	8.6	96.5	25	1002	
1995	11	17	0100	9.1	96.6	25	1002	
1995	11	17	0700	9.6	96.6	25	1000	
1995	11	17	1300	10.2	96.3	25	1000	
1995	11	17	1900	10.6	95.9	30	998	
1995	11	18	0100	11.0	95.4	35	995	80
1995	11	18	0400	11.1	95.0	35	995	80
1995	11	18	0700	11.2	94.7	40	990	80
1995	11	18	1000	11.3	94.3	40	990	80
1995	11	18	1300	11.4	93.9	45	985	80
1995	11	18	1600	11.4	93.4	45	985	80
1995	11	18	1900	11.4	92.9	45	985	110
1995	11	18	2200	11.4	92.3	55	980	110
1995	11	19	0100	11.4	91.8	55	980	110
1995	11	19	0400	11.4	91.2	60	975	110
1995	11	19	0700	11.4	90.6	65	970	110
1995	11	19	1000	11.4	90.0	70	965	135
1995	11	19	1300	11.4	89.4	75	960	135
1995	11	19	1600	11.4	88.9	80	955	135
1995	11	19	1900	11.4	88.4	85	950	135
1995	11	19	2200	11.4	87.9	95	940	135
1995	11	20	0100	11.4	87.4	100	930	135
1995	11	20	0400	11.4	87.0	105	925	135
1995	11	20	0700	11.6	86.7	105	920	135
1995	11	20	1000	11.7	86.4	105	920	135
1995	11	20	1300	11.8	86.1	110	915	135
1995	11	20	1600	12.0	85.8	110	915	135
1995	11	20	1900	12.1	85.5	110	915	135

1995	11	20	2200	12.3	85.3	105	920	135
1995	11	21	0100	12.6	85.0	105	920	135
1995	11	21	0400	12.7	84.7	105	920	135
1995	11	21	0700	12.9	84.6	105	925	135
1995	11	21	1000	13.2	84.5	105	925	135
1995	11	21	1300	13.3	84.2	100	930	135
1995	11	21	1600	13.5	84.0	100	930	135
1995	11	21	1900	13.6	83.8	95	935	135
1995	11	21	2200	13.8	83.7	95	935	135
1995	11	22	0100	14.1	83.6	95	940	135
1995	11	22	0400	14.4	83.5	95	940	135
1995	11	22	0700	14.7	83.3	95	940	135
1995	11	22	1000	15.0	83.1	95	940	135
1995	11	22	1300	15.3	82.9	95	940	135
1995	11	22	1600	15.5	82.8	95	940	135
1995	11	22	1900	15.8	82.8	95	940	135
1995	11	22	2200	16.0	82.8	90	945	135
1995	11	23	0100	16.2	82.8	85	950	135
1995	11	23	0400	16.4	82.7	80	955	135
1995	11	23	0700	16.7	82.6	75	960	135
1995	11	23	1000	16.9	82.7	75	960	135
1995	11	23	1300	17.0	82.8	70	965	135
1995	11	23	1600	17.0	82.3	70	965	135
1995	11	23	1900	17.0	81.9	65	970	135
1995	11	23	2200	17.0	81.5	60	975	135
1995	11	24	0100	17.0	81.0	55	980	135
1995	11	24	0700	17.0	80.0	45	985	135
1995	11	24	1300	17.0	79.2	35	995	135
1995	11	24	1900	17.0	78.3	25	1000	
1995	11	25	0100	17.0	77.5	20	1004	

Figure 1. Track of Tropical Cyclone Daryl 16 – 25 November 1995.
All times in WST.