



**Australian Government**  
**Bureau of Meteorology**

## **Tropical Cyclone *Willy***

28 April – 2 May 1994

Perth Tropical Cyclone Warning Centre  
Bureau of Meteorology

### **A. Summary**

Tropical cyclone *Willy*, the final event for the 1993/94 season, formed to the northwest of the Cocos Islands on 28 April and passed about 80 kilometres west of the Islands during the evening of 29 April causing gale-force winds for a period of about three hours. Sustained winds reached 45 knots and a maximum wind gust of 55 knots were recorded. There was no damage reported on the Islands.

*Willy* It then weakened rapidly and moved away to the southwest.

### **B. Meteorological Description**

Tropical cyclone *Willy*, the final event for the 1993/94 season, formed to the northwest of the Cocos Islands on 28 April. The cyclone appeared to intensify in response to a surge in the south-easterly trades and a strengthening westerly monsoonal flow as a tropical cyclone developed near 6°N 92°E. It was also located in an area of upper diffluence. *Willy* passed about 80 kilometres west of the Islands during the evening of 29 April causing gale-force winds for a period of about three hours. Sustained winds reached 45 knots and a maximum wind gust of 55 knots was recorded. There was no damage reported on the Islands. It then weakened rapidly and moved away to the southwest. Cyclone warnings were issued for the Cocos Islands and the community was evacuated to cyclone shelters for a period. *Willy* was initially steered by the high to middle-level northerly flow and was located in an area of low shear. Near the Cocos Islands *Willy* encountered stronger lower-level easterlies that caused it shear. The low-level centre then moved off in a southwesterly direction and weakened.

### **C. Impact**

There was no report of significant impact associated with TC *Willy*.

### **D. Observations**

#### *Wind/Pressure*

A maximum wind gust of 55 knots was recorded.

#### *Rainfall*

There was no report of significant wind and rainfall associated with TC *Willy*.

Table 1. Best track summary for *Willy 27 April – 2 May 1994*

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
1994	04	27	1200	6.8	93.7	20	1005	
1994	04	27	1800	7.3	94.0	20	1005	
1994	04	28	0000	7.7	94.3	25	1000	
1994	04	28	0600	8.1	94.4	25	1000	25
1994	04	28	1200	8.7	95.0	35	995	25
1994	04	28	1800	9.2	95.3	40	990	25
1994	04	28	2100	9.5	95.4	45	985	55
1994	04	29	0000	9.8	95.4	45	985	55
1994	04	29	0300	10.1	95.5	45	985	55
1994	04	29	0600	10.6	95.7	45	985	55
1994	04	29	0900	11.2	95.8	45	985	55
1994	04	29	1200	11.7	95.9	45	985	55
1994	04	29	1500	12.3	96.0	40	990	55
1994	04	29	1800	12.5	95.8	40	990	55
1994	04	29	2100	12.7	95.5	40	990	25
1994	04	30	0000	12.9	95.2	35	995	25
1994	04	30	0300	13.2	94.9	35	995	25
1994	04	30	0600	13.4	94.8	25	1000	
1994	04	30	0900	13.6	94.5	25	1000	
1994	04	30	1200	13.9	94.2	25	1000	
1994	04	30	1500	14.4	93.7	20	1005	
1994	04	30	1800	15.0	93.2	20	1005	
1994	04	30	2100	15.5	92.7	20	1005	
1994	05	1	0000	16.0	92.2	20	1005	
1994	05	1	0600	16.7	90.6	20	1005	
1994	05	1	1200	17.0	89.2	20	1005	
1994	05	1	1800	17.2	88.2	20	1005	
1994	05	2	0000	17.4	87.3	20	1005	

Figure 1. Track of Tropical Cyclone *Willy*, 27 April – 2 May 1994.  
All times in WST.

