



Australian Government
Bureau of Meteorology

Severe Tropical Cyclone *Lena*

24 January – 2 February 1993

Perth Tropical Cyclone Warning Centre
Bureau of Meteorology

A. Summary

Tropical Cyclone *Lena* maintained cyclone intensity for ten days and was notable for its unusual track – moving on a general westerly track then reversing to an easterly track for the latter stages of its life cyclone.

A tropical low that formed northwest of the Kimberley reached cyclone intensity on 24 January. While its initial track was to the south southwest by late on 25 January it adopted a general westerly track that persisted through until 30 January. After briefly peaking at 65 knots (category 3 intensity) early on 26 January, *Lena* weakened to a category one system later that day.

During 30 January, *Lena* reversed its westerly course and moved to the east southeast then to the east from 1 February moving over waters it had previously traversed. By 2 February *Lena* weakened below cyclone intensity.

There were no known impacts from TC *Lena*.

Table 1. Best track summary for *Lena* 24 January – 2 February 1993

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
1993	01	24	0000	13.7	120.8	30	997	
1993	01	24	0300	13.8	120.7	35	995	
1993	01	24	0600	13.9	120.6	40	990	45
1993	01	24	0900	14.0	120.6	40	990	45
1993	01	24	1200	14.2	120.6	45	985	55
1993	01	24	1500	14.4	120.6	45	985	80
1993	01	24	1800	14.7	120.5	45	985	80
1993	01	24	2100	15.0	120.3	45	985	90
1993	01	25	0000	15.3	120.0	45	985	90
1993	01	25	0300	15.4	119.7	55	980	90
1993	01	25	0600	15.6	119.5	55	980	110
1993	01	25	0900	15.9	119.4	55	980	110
1993	01	25	1200	16.2	119.2	60	975	110
1993	01	25	1500	16.2	119.0	60	975	110
1993	01	25	1800	16.2	118.7	65	972	110
1993	01	25	2100	16.2	118.4	65	972	110
1993	01	26	0000	16.1	118.1	60	975	110
1993	01	26	0300	15.9	117.8	60	975	110
1993	01	26	0600	15.8	117.5	60	975	110
1993	01	26	0900	15.7	117.2	60	975	110
1993	01	26	1200	15.5	116.9	55	980	80
1993	01	26	1500	15.3	116.9	45	985	65
1993	01	26	1800	15.2	116.3	40	990	55
1993	01	26	2100	15.2	116.0	40	990	55
1993	01	27	0000	15.3	115.7	40	990	55
1993	01	27	0300	15.6	115.4	40	990	55
1993	01	27	0600	16.0	115.3	40	990	55
1993	01	27	0900	16.2	115.1	40	990	55
1993	01	27	1200	16.3	114.8	40	990	55
1993	01	27	1500	16.3	114.4	40	992	45
1993	01	27	1800	16.3	114.0	40	992	45
1993	01	27	2100	16.3	113.6	40	992	45
1993	01	28	0000	16.3	113.2	35	995	30
1993	01	28	0300	16.2	112.8	35	995	30
1993	01	28	0600	16.2	112.4	35	995	30
1993	01	28	0900	16.2	112.0	35	995	30
1993	01	28	1200	16.1	111.5	35	995	30
1993	01	28	1500	16.0	110.9	35	995	30
1993	01	28	1800	16.0	110.2	40	992	30
1993	01	28	2100	15.9	109.6	40	992	30
1993	01	29	0000	15.9	109.2	40	992	30
1993	01	29	0300	15.9	108.9	40	992	30
1993	01	29	0600	15.8	108.7	40	992	30
1993	01	29	0900	15.8	108.4	40	992	30

1993	01	29	1200	15.7	108.1	40	990	45
1993	01	29	1500	15.6	107.7	40	990	45
1993	01	29	1800	15.5	107.4	40	990	45
1993	01	29	2100	15.4	107.1	40	990	45
1993	01	30	0000	15.3	106.9	40	990	45
1993	01	30	0300	15.4	106.9	40	990	45
1993	01	30	0600	15.4	107.0	40	990	45
1993	01	30	0900	15.4	107.2	40	990	45
1993	01	30	1200	15.5	107.3	40	990	45
1993	01	30	1500	15.5	107.4	45	988	45
1993	01	30	1800	15.6	107.5	45	988	55
1993	01	30	2100	15.6	107.6	45	988	55
1993	01	31	0000	15.7	107.7	45	988	55
1993	01	31	0300	15.8	107.9	45	988	55
1993	01	31	0600	15.9	108.1	45	988	55
1993	01	31	0900	16.1	108.4	45	988	55
1993	01	31	1200	16.3	108.9	45	988	55
1993	01	31	1500	16.6	109.4	45	988	70
1993	01	31	1800	16.8	109.9	45	988	80
1993	01	31	2100	16.9	110.5	45	988	80
1993	02	1	0000	16.9	110.9	45	988	80
1993	02	1	0300	16.9	111.4	45	988	80
1993	02	1	0600	16.9	112.0	45	988	80
1993	02	1	0900	16.9	112.7	45	988	80
1993	02	1	1200	16.8	113.4	40	990	55
1993	02	1	1500	16.7	114.0	40	990	55
1993	02	1	1800	16.6	114.7	40	990	55
1993	02	1	2100	16.4	115.3	40	990	55
1993	02	2	0000	16.1	115.9	40	992	45
1993	02	2	0300	15.9	116.5	35	995	25
1993	02	2	0600	15.8	117.2	35	995	25
1993	02	2	0900	15.9	117.9	35	995	25
1993	02	2	1200	15.9	118.7	25	1000	25
1993	02	2	1500	15.9	119.4	25	1002	
1993	02	2	1800	15.9	120.2	20	1005	
1993	02	2	2100	15.9	120.9	20	1005	

Figure 1. Track of Tropical Cyclone *Lena*, 24 January – 2 February 1993

All times in WST.

