

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ELENASTATION: ADQ RADAR

DATE:	TIME:	LAT.	LONG.	REMARKS
30	1705	27 59 N	87 03 W	POOR FIX 20° OVERLAY
30	1800	28 03 N	87 02 W	POOR FIX 20° OVERLAY
30	2045	28° 34	86° 50	GOOD FIX 15° OVERLY EYE
30	2107	28° 37	86° 37	GOOD FIX 15° " EYE
30	2157	28° 43	86° 38	GOOD FIX 15° " EYE
30	2220	28° 46	86° 37	GOOD FIX 15° " EYE
30	2300	28 56	86 16	GOOD FIX EYE
30	2326	29 00	86 07	GOOD FIX 10° OVERLY EYE
31	0155	28 39	85 47	FAIR FIX EYE
31	0216	28 21	85 41	FAIR FIX 10° OVERLY EYE
31	0248	28.33	85 36	GOOD FIX 10° OVERLY EYE
31	0307	28 30	85 34	GOOD FIX EYE
31	0325	28 31	85 33	GOOD FIX 10° OVERLY EYE
31	0403	28 34	85 25	GOOD FIX 10° OVERLY EYE
31	0416	28 35	85 24	GOOD FIX EYE
31	0500	28 36	85 23	GOOD FIX EYE
31	0525	28 30	85 23	GOOD FIX EYE
31	0600	28 38	85 23	GOOD FIX EYE

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ELENASTATION: AQQ RADAR

DATE:	TIME:	LAT.	LONG.	REMARKS
31	0635	28°37'	8521	GOOD FIX EYE
31	0708	28°38'	8514	GOOD EYE
31	0728	28°37'	8513	GOOD D17 EYE
31	0804	28°42'	8509	GOOD D18 EYE
31	0825	28°45'	85°05'	GOOD D20 EYE
31	0904	28°43'	85°00'	GOOD D17 EYE
31	0932	2843	84 54	GOOD D14 EYE
31	0955	28 43	84 50	GOOD D12. EYE,
31	1032	28 40	84 46	GOOD D12 EYE
31	1105	28 37	84 41	GOOD D18 EYE
31	1132	28 34	84 37	GOOD D18 EYE
31	1232	28 31	84 20	GOOD D14 EYE
31	1305	2832	8411	GOOD D15 EYE
31	1330	2840	8407	GOOD D14 EYE
31	1400	2845	8403	GOOD D17 EYE
31	1431	2848	8359	GOOD D22 EYE
31	1525	2850	8400	GOOD D20 EYE
31	1600	2854	8408	GOOD D16 EYE

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ELENASTATION: AQQ RADAR

DATE:	TIME:	LAT.	LONG.	REMARKS
31	1625	2855	8403	D20 EYE GOOD
31	1725	2854	8406	D20 EYE GOOD
31	1757	2852	8403	D20 EYE GOOD
31	1825	2852	8403	D17 EYE GOOD
31	1904	2853	8358	D14 EYE GOOD
31	1925	2849	8357	D14 EYE POOR
31	2005	2900	8358	D16 EYE POOR
31	2025	2847	8352	15° OL PSBL CTR POOR
31	2100	2855	8346	15° OL PSBL CTR POOR
31	2125	2857	8349	15° OL PSBL CTR POOR
31	2205	2853	8353	15° OL PSBL CTR POOR
31	2225	2859	8352	15° OL PSBL CTR POOR
31	2304	2856	8357	15° OL PSBL CTR FAIR
31	2332	2857	8344	GOOD EYE GOOD
01	0000	2856	8349	GOOD EYE D10
01	0030	2850	8356	GOOD EYE D10
01	0101	2848	8357	GOOD EYE D9
01	0125	2842	8357	GOOD EYE D10

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ELENASTATION: AQQ

DATE:	TIME:	LAT.	LONG.	REMARKS
01	0155	2840	8352	EYE GOOD D10
01	0225	2840	8352	EYE GOOD D16
01	0257	2840	8352	EYE GOOD D10
01	0400	2838	8354	EYE GOOD D13
01	0425	2839	8346	EYE GOOD D11
01	0500	2839	8346	EYE GOOD D15
01	0525	2840	8400	EYE GOOD D15
01	0600	2843	8402	EYE GOOD D13
01	0630	2841	8407	EYE GOOD D10
01	0701	2839	8405	EYE GOOD D16
01	0725	2835	8409	EYE GOOD D16
01	0800	2834	8408	EYE GOOD D15
01	0830	2834	8408	EYE GOOD D15
01	0900	2836	8408	EYE GOOD D17
01	0930	2837	8403	EYE GOOD D18
01	1002	2835	8408	EYE GOOD D14
01	1035	2837	8408	EYE GOOD D18
01	1103	2839	8408	EYE GOOD D12

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ELENA

STATION: AQQ

DATE:	TIME:	LAT.	LONG.	REMARKS
01	1136	2837	8409	EYE GOOD D16
01	1204	2840	8411	EYE GOOD D18
01	1230	2840	8411	EYE GOOD D18
01	1259	2839	8413	EYE GOOD D18
01	1329	2839	8413	EYE GOOD D18
01	1400	2841	8419	EYE GOOD D18
01	1429	2843	8421	EYE GOOD D16
01	1525	2844	8427	EYE GOOD D15
01	1558	2850	8433	EYE GOOD D15
01	1625	2855	8434	EYE GOOD D11
01	1658	2857	8440	EYE GOOD D15
01	1725	2859	8444	EYE GOOD D15
01	1758	2900	8454	EYE GOOD D15
01	1825	2903	8455	EYE GOOD D18
* 01	1851	2906	8485	EYE GOOD D20
		SB 8500?		
01	1851	2906	8455	EYE GOOD D20
	1925	2908	8502	EYE GOOD D20

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ELENA

STATION: AQQ RADAL

DATE:	TIME:	LAT.	LONG.	REMARKS
01	1959	29 11	85 09	EYE good fix D17
01	2025	29 12	85 13	EYE good fix D15
01	2059	29 12	85 17	EYE good fix D20
01	2125	29 14	85 26	EYE good fix D20
01	2158	29 16	85 28	EYE good fix D20
01	2158	29 16	85	comms Lost
01	2325	29 21	85 47	EYE good fix D20
02	0025	29 23	85 56	EYE good fix D22
02	0105	29 25	86 06	EYE good fix D25
02	0125	29 26	86 19	EYE good fix D20
02	0201	29 29	86 21	EYE good fix D12
02				
02	0301	29 33	86 35	EYE good fix D30
02	0426	29 36	86 55	EYE good fix D15
02	0459	29 41	87 04	EYE good fix D19
02	0600	29 44	87 22	EYE good fix D19
02	0630Z	29 47	87 28	EYE good fix D19

TROPICAL CYCLONE POSITION ESTIMATES BASED ON RADID DISPLAY

STORM: ELENA

RADAR: AQQ

DATE/TIME OF IMAGE ESTIMATED AZRAN ESTIMATED LAT/LON REMARKS RADID

29/2332	200/175	26°56' 86°09'	15° SPRL OURLY	
29/2359	203/175	26°59' 86°15'	"	poor Fix
30/0035	205/170	27°07' 86°22'	"	poor Fix
30/0207	210/170	27 12 86 37	10°deg	poor Fix
30/0242	211/200	26 37 86 57	10°deg	poor Fix
30/0327	211/195	26 38 85 56	"	poor Fix
30/0357	228/145	27 03 87 05	15°	POOR
30/0425	217/150	27 40 86 47	15°	POOR
30/0504	NO FIX			
30/0534	215/175	27 17 N 86 54 W	15°	POOR
30 0606	NO FIX			
30 0635	210/195	26 48' 86 50 W	15°	POOR
300708	215/205	27 14' 86 56 W	10°	POOR
300735	228/150	28 00' W 87 08 W	10°	POOR
300801	224/155	27 50 N 87 02 W	10°	POOR
300830	223/155	27 48 W 87 00 W	10°	POOR
300904	220/160	27 43 N 86 55 W	10°	POOR
300929	220/145	27 47 N 87 02 W	10°	POOR
30 1001	222/140	27 54 N 86 52 W	15°	POOR
301037	218/145	27 43 N 86 43 W	15°	POOR
301103	230/145	28 06 N 87 11 W	10°	POOR
301132	234/160	28 06 N 87 18 W	15°	POOR
301214	235/160	28 11' N 87 27' W	15°	(POOR)
30 1247	220/155	27 42' N 86 54' W	15°	(VERY POOR)
30/1345	229/150	28 02' N 87 11' W	15°	POOR

27 2
86 32

TROPICAL CYCLONE POSITION ESTIMATES BASED ON RADID DISPLAY

STORM: ELENA

RADAR: APP

DATE/TIME OF IMAGE

ESTIMATED AZRAN

ESTIMATED LAT/LON

REMARKS RAO/D

30/1424	236/140	28°20'N 87°19'W	15° (POOR)
30/1458	230/130	28°17'N 86°57'W	15° (POOR)
30/1524	223/130	28°07'N 86°43'W	15° (VERY POOR)
30/1601	Too POOR TO ESTIMATE CENTER		
30/1640	228/140	28°05'N 87°04'W	15° ^{VERY} POOR
30/1736	228/130	28°15'N 86°43'W	15° POOR
30/1801	230/125	28°21'N 86°52'W	15° POOR
30/1839	226/120	28°17'N 86°41'W	15° POOR
30/1913	231/110	28°32'N 86°40'W	15° POOR
30/1955	225/110	28°24'N 86°30'W	15° POOR
30/2037	232/110	28°36'N 86°38'W	15° POOR
30/2059	235/102	28°44'N 86°38'W	15° GOOD
30/2121	238/102	28°47'N 86°40'W	15° FAIR
30/2140	238/108	28°45'N 86°46'W	15° FAIR
30/2223	237/100	28°47'N 86°38'W	15 FAIR
30/2239	238/95	28°51'N 86°36'W	15 POOR
30/2308	232/78	28°53'N 86°14'W	15 FAIR
30/2327	232/73	28°57'N 86°08'W	15 FAIR
30/2350	233/70	29°00'N 86°05'W	15 FAIR
31/0026Z	230/79	28°51'N 86°11'W	15 FAIR
31/0106Z	219/77	28°43'N 85°58'W	15° POOR
31/0124Z	224/75	28°48'N 86°02'W	15 POOR
31/0143Z	229/77	28°50'N 86°09'W	15 FAIR
31/0319Z	209/68	28°50'N 85°35'W	15 FAIR
31/0348Z	209/63	28°52'N 85°34'W	15 GOOD
31/0429Z	197/74	28°31'N 85°26'W	15 GOOD
31/0536Z	201/75	28°32'N 85°32'W	EYE/good

D40

52

STORM: ELENATROPICAL CYCLONE POSITION ESTIMATES BASED ON RADID DISPLAYRADAR: AQO

DATE/TIME OF IMAGE

ESTIMATED AZRAN

ESTIMATED LAT/LON

REMARKS RADID

DATE/TIME OF IMAGE	ESTIMATED AZRAN	ESTIMATED LAT/LON	REMARKS <u>RADID</u>
31/0613	200/65	2840 8527	EYE GOOD FIX D40
31/0648	188/75	28°28'N 85°14'W	EYE GOOD FIX D35
31/0722	185/78	28°24'N 85°10'W	EYE (GOOD) D40
31/0748	183/75	28°27'N 85°07'W	EYE (GOOD)
31/0822	180/75	28°27'N 85°03'W	EYE (GOOD) D50
/		PSBL SMALLER CONCENTRIC WALL CLOUD DN 20	
31/0850	178/73	28°28'N 84°59'W	EYE (GOOD) D50
31/0924	174/73	28°30'N 84°53'W	EYE (GOOD) D50
/		STILL SHOWING PSBL CONCENTRIC EYE DN 15	
31/0958	169/73	28°30'N 84°46'W	EYE (GOOD) PSBL CONCENTRIC EYE DN 15 D55
31/1034	168/70	28°32'N 84°45'W	EYE D20
31/1114	163/68	28°39'N 84°40'W	EYE D35
31/1159	162/68	28°39'N 84°38'W	EYE D30
15 DEG OVERCAST 31/1232	156/75	28°34'N 84°27'W	EYE D25
31/1309	155/73	28°36'N 84°26'W	EYE D30
31/1339	143/72	28°40'N 84°09'W	EYE D23
31/1421	134/72	28°52'N 84°03'W	EYE D17
31/1455	134/70	28°54'N 84°03'W	EYE D17
31/1525	140/70	28°48'N 84°09'W	EYE D30
31/1601	138/68	28°54'N 84°10'W	EYE D18
31/1636	144/70	28°46'N 84°16'W	EYE D15
31/1724	140/73	28°46'N 84°10'W	EYE D18
31/1750	134/78	28°49'N 83.57°W	EYE (GOOD) D20
31/1839	138/72	28°48'N 84°06'W	EYE D20
31/1931	137/68	28°53'N 84°10'W	EYE D17
31/2011	136/70	28°51'N 84°06'W	(POOR) 15° SPRL OL
31/2045	131/80	28°47'N 83°52'W	15° SPRL OL

TROPICAL CYCLONE POSITION ESTIMATES BASED ON RADID DISPLAY

STORM: ELENA

RADAR: ADD

DATE/TIME OF IMAGE ESTIMATED AZRAN ESTIMATED LAT/LON REMARKS RADID

31/2121	128/83	28°52'N 83°48'W	EYE POOR FIX	
31/2157	131/75	28°53'N 83°57'W	EYE POOR TO FAIR	
31/2234	132/83	28°46'N 83°51'W	CNTR FAIR FIX	
31/2308	135/82	28°45'N 83°57'W	CNTR FAIR FIX	
31/2338	138/100	Too	MUCH NOISE / STRETCHING	
31/2344	127/89	28°48'N 83°40'W	EYE GOOD FIX	D10
01/0022	131/90	28°40'N 83°40'W	CENTER FAIR	
01/0053	133/80	28°48'N 83°55'W	EYE GOOD FIX	D9
01/0128	136/90	28°37'N 83°51'W	EYE GOOD FIX	D10
01/0158	136/94	28°36'N 83°47'W	EYE GOOD FIX	D10
01/0236	135/90	28°38'N 83°50'W	EYE GOOD FIX	D13
01/0316	136/90	28°37'N 83°51'W	EYE GOOD FIX	D13
01/0425	137/82	28°43'N 83°57'W	EYE GOOD FIX	D10
01/0529	137/82	28°43'N 83°57'W	EYE GOOD FIX	D10
01/0621	137/82	28°43'N 83°57'W	EYE GOOD FIX	D
01/0734	144/88	28°29'N 84°03'W	EYE GOOD FIX	D20
01/0821	145/80	28°38'N 84°10'W	EYE GOOD FIX	D20
01/0925	144/83	28°34'N 84°07'W	EYE GOOD FIX	D17
01/1014	144/79	28°38'N 84°09'W	EYE GOOD FIX	D15
01/1105	143/88	28°33'N 84°03'W	EYE GOOD FIX	D15
01/1207	144/85	28°33'N 84°05'W	EYE GOOD FIX	D18
01/1324	146/74	28°40'N 84°14'W	EYE GOOD FIX	D18
01/1358	146/75	28°39'N 84°14'W	EYE GOOD FIX	D18
01/1446	149/67	28°45'N 84°22'W	EYE GOOD FIX	D18
01/1524	149/60	28°51'N 84°27'W	EYE GOOD FIX	D14
01/1609	154/60	28°48'N 84°32'W	EYE GOOD FIX	D15
01/1643	152/52	28°56'N 84°34'W	EYE WALL GOOD CLO = VIP 5	D18

0250Z
TEL
LINES
DOWN
TO ADD...
RADID
NOT AVAIL.

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: T. S. ELENA

STATION: EJW 29 AUG 85

RADAR

✓ AUG

DATE:	TIME:	LAT.	LONG.	REMARKS
29	0735	24.30	84.03W	D25 PSBL CNTR
	0747	24.28N	84.02W	D30 PSBL CNTR 15° ONLY
	0807	24.39N	84.07	D40 PSBL CNTR 15° ONLY
✓	0805	24.35N	84.12W	PSBL CNTR POOR FIX
✓	0830	24.40N	84.22W	PSBL CNTR POOR FIX
	0843	24.42N	84.13W	PSBL CNTR 15° ONLY
✓	0905	24.48N	84.30W	PSBL CNTR POOR FIX
	0926	24.44N	84.23W	PSBL CNTR 15° ONLY
✓	0935	NO CNTR OR EYE (NOT IN AFS) (LATE)		
	0953	24.40N	84.18W	PSBL CNTR 15 deg ONLY
	1014	out of RANGE		
	1057	" "	" "	

268
125
273/130

274
135

274/145

274
140
275/150

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: TIS. ELENA

STATION: EMW

BLACK RADIO

DATE:	TIME:	LAT.	LONG.	REMARKS	
2 AUG	0232	23°28'	82°30'	CNTR 10° SPIRAL OVERLAY FAIR FIX	RADD. AZLAN 0243Z GRBLD
	0310	23°29'	82°34'	" " " " " "	0258Z 193/70
	0330	23 21	82°42'	PSBL CNTR (RADIO)	(216/90)
	0334	2339N	8239W	CNTR FAIR FIX (10 DEG SPIRAL OVERLAY)	
	0408	2348N	8257W	PSBL CNTR	236 80
	0405	2346N	8251W	EYE GOOD FIX	
	0430	2353N	83.01W	D20 SPL EYE D20 GOOD FIX	
	0440	2356N	83.02W	EYE (LOOKS GOOD) D25	242/80
	0505	2359N	83.09W	EYE D25 GOOD FIX	
	0522	24.02N	83.16W	EYE D20	250/90
	0531	2406N	83.18W	EYE D26 GOOD FIX D20	
	0540	24.10N	83.20W	EYE D20	255/90
	0605	24.03N	83.29W	EYE D20 FAIR FIX	
	0614	24.15N	83.33W	CNTR D20	260/100
	0625	24.12N	83.37W	EYE D25 FAIR FIX	
	0642	24.24N	83.34W	PSBL CNTR. D30	265/100
	0705	24.35N	83.39W	PSBL CNTR. D30	100 270/105
	0705	24.23N	83.48W	POOR FIX D20	

23.14
81.51

23.16
81.47

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: Td#5

STATION: EYN



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DATE:	TIME:	LAT.	LONG.	REMARKS
28	1730	22°38	79°45	PSBL CNTR D30
	1810	22°48	80°24	PSBL CNTR D40
	1830	22°54	80°54	PSBL CNTR D30
	1910	23°06	81°18	PSBL CNTR D30
	1930	23°06	81°24	PSBL CNTR D30
	2010	22°40	83°42	CNTR D30
	2030	22°52	80°57	CNTR D30
	2100	22°54	80°54	D30 10° SPRL OVERLAP
	2128	23°01	81°01	D30 10° " "
	2210	23°06	81°05	EYE D25 10° S.O. FAIR FIX
	2235	23°07	81°14	EYE D25 10° S.O. FAIR FIX
	2310	23°10	81°50	EYE D35 10° S.O. GOOD FIX
	2332	23°11	81°40	EYE D35 10° S.O. " "
29	0010	23°16	81°46	EYE D35 10° S.O. FAIR FIX
	0035	23°18	82°04	EYE D35 10° S.O. " "
	0110	23°22	82°14	EYE D30 10° S.O. " "
	0135	23°22	82°05	CNTR 10° S.O. " "
	0210	23°21	82°20	CNTR 10° S.O. " "

RADIDAZZAN
2210Z
160/100
2238Z
167/95
2318
177/85
2351Z
172/80
0014Z
184/80
0047Z
186/80
0114Z
185/80
0147Z
192/70
GRAB D

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: Elencu

STATION: MOB

DATE:	TIME:	LAT.	LONG.	REMARKS
02	0228	2927	8624	EYE Good Fix D20
02	0207	2925	8617	EYE Good Fix D20
02	0307	2930	8638	EYE Good Fix D20
02	0328	2930	8638	EYE Good Fix D23
02	0400	2933	8651	EYE Good Fix D20
02	0430	2937	8655	EYE good Fix D22
02	0509	2945	8704	EYE good Fix D20
02	0530	2943	8712	EYE good Fix D19
02	0607	2947	8720	EYE good Fix D20
02	0632	2959	8726	EYE good Fix D25
02	0709	2952	8736	EYE good Fix D25
02	0732	2954	8742	EYE good Fix D19
02	0806	2957	8750	eye good fix D16
02	0834	3001	8756	eye good fix D14
02	0908	3006	8808	eye good fix D16
02	0934	3006	8812	eye good fix D16
02	1009	3008	8818	eye good D18
02	1035	3012	8826	eye good fix D18
02	1109	3015	8834	eye good fix D14
02	1132	3016	8842	eye good fix D14
02	1202	3020	8848	EYE good Fix D14

Elena MOB

Time	Lat	Lon		Remarks
021 1232	30 22	88 53	D15	Good Fix Eye
1305	30 24	89 06	D12	Good Fix Eye
1335	30 30	89 14	D10	Good Fix Eye
1400	30 30	89 20	D10	Good Fix Eye

TROPICAL CYCLONE POSITION ESTIMATES BASED ON RADID DISPLAY

STORM: El Gabil

RADAR: NPA

DATE/TIME OF IMAGE	ESTIMATED AZRAN	ESTIMATED LAT/LON	REMARKS
01/2133Z	121/123	29 17N 85 20W	EYE FAIR
01/2232Z	122/119	29 18N 85 27W	EYE GOOD D20
01/2250Z	123/110	29 22N 85 37W	EYE GOOD D18
01/2308Z	124/108	29 20N 85 38W	EYE GOOD D20
01/2323Z	124/103	29 23N 85 44W	EYE GOOD D20
01/2350Z	125/100	29 23N 85 47W	EYE GOOD D20
02/0017Z	125/95	29 24N 85 50W	EYE GOOD D20
02/0057Z	126/88	29 27N 85 57W	EYE GOOD D20
02/0130	130/78	29 28N 86 08W	EYE GOOD D20
02/0156	134/80	29 27N 86 15W	EYE GOOD D16
02/0229	140/68	29 29N 86 29W	EYE GOOD D15
02/0258	142/65	29 33N 86 37W	EYE GOOD D16
02/0326	142/59	29 35N 86 39W	EYE GOOD D18
02/0356	150/55	29 33N 86 47W	EYE GOOD D15
02/0429	151/50	29 37N 86 52W	EYE GOOD D23
02/0458	163/43	29 42N 87 05W	EYE GOOD D20
02/0529	172/42	29 39N 87 13W	EYE GOOD D20
02/0548	178/40	29 41N 87 18W	OVAL EYE GOOD D27
02/0618	192/32	29 48N 87 27W	EYE GOOD D22
02/0651	207/32	29 54N 87 34W	EYE GOOD D20
02/0718	211/38	29 48 87 41W	EYE GOOD D22
02/0828	235/45	29 58 88 03W	EYE GOOD D15
02/0855	245/46	3000 88 07W	eye good D15
02 0953	254/55		
02/1019	260/55		
02/1047	263/62		

RADID

(Electronic Interference)

TROPICAL CYCLONE POSITION ESTIMATES BASED ON RADID DISPLAY

STORM: ELENA

RADAR: TBW

DATE/TIME OF IMAGE ESTIMATED AZRAN ESTIMATED LAT/LON REMARKS (RADID)

31/0634	284/155	28°19'N 85°14'W	FAIR (OPEN WEST)
31/0709	288/155		
31/1500	307/103	28°43'N 83°56'W	FAIR (OPEN WEST)
31/1723	318/100	28°56'N 83°40'W	FAIR (OPEN WEST)
31/1846	305/100	28°43'N 83°56'W	FAIR (OPEN SW)
31/1938	307/100	28°42'N 83°55'W	FAIR
31/2106	310/100	28°52'N 83°51'W	POOR 20° OL
31/2142	308/108	28°48'N 84°00'W	POOR 20° OL
31/2254	310/100	2852N 8351W	CENTER FAIR FIX
31/2358	311/100	2848N 8350W	CENTER FAIR FIX
01/0114	305/95	2836N 8352W	D10 EYE GOOD
01/0154	306/90	2836N 8348W	D10 EYE GOOD
01/0256	306/95	2838N 8351W	D10 EYE GOOD
01/0509	302/98	2835N 8358W	D10 GOOD EYE
01/0610	303/99	2835N 8359W	D20 GOOD EYE
01/0718	298/100	2828N 8404W	D30 GOOD EYE
01/0812	300/102	28.33 84.04W	D20 GOOD EYE
01/0919	298/100	28.28N 84.04W	D20 GOOD EYE
01/1020	297/102	28.32 84.05W	D25 GOOD EYE
01/1107	297/102	28.32 84.05W	D20 GOOD EYE
01/1223	301/107	28°36'N 84°07'W	D20 GOOD EYE
01/1335	301/112	28°39'N 84°12'W	D20 GOOD EYE
01/1513	299/120	28°41' 84°23'W	D19 GOOD EYE

PROBLEMS
GETTING
THRU

28.6
84.1

TBW (RADID)

TROPICAL CYCLONE POSITION ESTIMATES BASED ON RADID DISPLAY

STORM: ELENA

RADAR: SIL RADID

DATE/TIME OF IMAGE	ESTIMATED AZRAN	ESTIMATED LAT/LON	REMARKS
02/0642	101/124		Eye good D20
02/0745	98/105		
02/0824	97/94		
02/0851	95/87		
02/0926	96/80		
02/0951	95/74		
02/1016	90/69		
02/1040	91/63		
02/1111	86/55		
02/1150	83/50	30° 22 88 50	Eye good D14
02/1224	75/45	30° 26 88 56	Eye good D10
02/1258	71/40	30 28 89 04	Eye good D8
02/1333	60/35	30 33 89 13	Eye good D12
02/1403	50/38	30 35 89 21	Eye good D12
02/1432	40/22	30 34 89 31	Eye good D8
02/1505	10/25	30 40 89 41	Cntr Fair D10
02/1543	356/28	30 45 89 49	Cntr Fair D10
02/1604	348/30	30 46 89 55	Cntr Fair D8
02/1633	346/30	30 43 90 00	Cntr Fair D8
02/1705	333/40	30 52 90 07	Cntr Fair D8
02/1735	326/45	30 53 90 16	Cntr Fair
02/1805	320/50	30 54 90 25	Cntr Poor
02/1835	317/60	30 58 90 34	
02/1932	316/65	31 03 90 40	Cntr Fair

SIL RADID

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: "ELENA"

STATION: PENSACOLA (NPA)

DATE:	TIME:	LAT.	LONG.	REMARKS
30	0806	2753	8705	POOR FIX
30	0830	2750	8705	POOR FIX
30	0908	2744	8719	PSBL CNTR
30	0930	274.0	8713	POOR FIX
30	1105	2730	8706	PSBL CNTR

20/1/20

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ELENASTATION: NPA RADAR

DATE:	TIME:	LAT.	LONG.	REMARKS
01	2008	29 06	85 08	EYE FAIR FIX D22
01	2025	29 09	85 11	EYE FAIR D18
01	2109	29 - 14	85 17	EYE FAIR D18
01	2125	29 14	85 23	EYE GOOD FIX D17
01	2207	29 15	85 29	EYE GOOD D22
01	2225	29 15	85 34	EYE FAIR D19
01	2308	29 18	85 40	EYE GOOD FIX D20
01	2325	29 20	85 44	EYE GOOD FIX D19
02	0007	29 22	85 52	EYE GOOD FIX D20
02	0025	29 24	85 55	EYE GOOD FIX D19
02	0105	29 27	86 05	EYE GOOD FIX D22
02	0125	29 28	86 08	EYE GOOD FIX D20
02	0200	29 30	86 19	EYE GOOD FIX D20
02	0225	29 31	86 31	EYE GOOD FIX D20
02	0259	29 34	86 35	EYE GOOD FIX D20
02	0325	29 35	86 40	EYE GOOD FIX D18
02	0401	29 37	86 50	EYE GOOD FIX D17
02	0425	29 38	86 54	EYE GOOD FIX D16

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ELENA

STATION: NPA RADAR

DATE:	TIME:	LAT.	LONG.	REMARKS
02	0458	2941	8701	EYE good Fix D18
02	0526	2943	8706	EYE good Fix D18
02	0555	2946	8716	EYE good Fix D18
02	0625	2946	8720	EYE good Fix D17
02	0654	2948	8729	EYE good Fix D17
02	0735	2952	8737	EYE good Fix D18
02	0825	2959	8750	eye " " D19
02	0854	3001	8757	eye " " D18
02	0926	3003	8806	eye " " D18
02	0956	3006	8813	eye " " D19
02	1025	3009	8820	eye " " D18
02	1053	3012	8828	eye " " D18
02	1126	3014	8838	eye " " D18
02	1154	3016	8845	EYE " " D17
02	1226	3020	8853	EYE " " D15
02	1305	3024	8904	EYE " " D14
02	1325	3025	8911	EYE " " D15
02	1405	3033	8923	EYE " " D14

(2)

0527 SW

Elena

NPA

02/1425	30 30N	89 30W	Eye	Fair	Fix	D11
02/1506	30 33	89 39	Eye	Fair	Fix	D14
02/1525	30 38	89 41	Eye	Fair	Fix	D10
02/1603	30 43	89 59	Center	Poor	Fix	D9

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ElenaSTATION: Tyndall (PAM)

DATE:	TIME:	LAT.	LONG.	REMARKS
01	2300	29 14	85 36	180/50 D25
01	2330	29 16	85 40	185/47 D25
01	2356	29 17	85 49	194/48 D25
02	0025	29 20	85 53	199/47 D31 EYE Wall 32 OFFSHORE
02	0055			280/45? Oval Eye MUM 310/16
02	0125	29 18	86 01	214/50 Oval 22 X 30 310/15 KTS
02	0155	29 26	86 14	220/50 D27 open SE
02	0225			230/60 MUMT 2911
02	0257	29 26	86 34	235/60 MUMT 2910 D28
02	0325	29 37	86 38	240/64 MUMT 2810 D28
02	0430Z	29 36	86 52	248/72 MUMT 2912 D27
02	0455	29 40	87 02	252/79 MUMT 2912 D30
02	0525	29 42	87 08	255/84 MUMT — D29
02	0555	29 56	87 18	266/90nm MUMT 290/15 D25
02	0625	29 46	87 25	260/97 MUMT 290/14 D28
02	0655	29 48	87 33	262/103nm MUMT — D26
02	0725	29 55	87 40	265/110 D25
02	0755	29 53	87 47	265/115

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ElenaSTATION: S/L Slidell

DATE:	TIME:	LAT.	LONG.	REMARKS
02	0527	2937	8708	PSBL EYE D30 Fair Fix
02	0607	2940	8721	EYE D28 Fair Fix
02	0627	2944	8726	EYE D28 good Fix
02	0703	2946	8737	EYE D22 good Fix
02	0725	2948	8741	EYE D25 good Fix
02	0803	2951	8750	EYE D26 good fix
02	0825	2953	8756	eye D26 good fix
02	0905	2957	8808	eye D25 good fix
02	0925	2959	8810	eye D25 good fix
02	1002	3004	8819	eye D22 good fix
02	1025	3005	8825	eye D26 good fix
02	1100	3012	8835	eye D16 good fix
02	1125	3014	8840	eye D14 good fix
02	1200	3019	8848	EYE D14 good Fix
02	1225	3019	8854	EYE D11 good Fix
02	1300	3024	8906	EYE D13 good Fix
02	1325	3025	8911	EYE D15 good Fix
02	1400	3030	8924	EYE D10 Good Fix

Elena

Slidell

Time	Lat	Lon		Remarks
02/1425	30 30	89 25	EYE	Good 08
02/1500	30 35	89 35	Cntr	" 010
02/1525	30 39	89 40	Cntr	" 010
02/1605	30 44	89 51	Cntr	" 09
02/1632	30 50	89 57	Cntr	" 08
02/1658	30 52	90 03	Cntr	" 09
02/1729	30 55	90 11	Cntr	Cntr 010
02/1800	30 57	90 19	Cntr	" 012
02/1830	31 01	90 33	Cntr	Poor Fix 010

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ELENASTATION: TBW RADAR

DATE:	TIME:	LAT.	LONG.	REMARKS
01	0630	2836	8402 ✓	EYE GOOD D20
01	0710	2835	8405 ^{29V}	EYE GOOD 6V
01	0730	2833	8404 ✓	EYE GOOD D20
01	0810	2834	8403 ^{28V}	EYE GOOD D20
01	0830	2834	8403 ✓	EYE GOOD D20
01	0910	2833	8408 ²⁹	EYE GOOD D20
01	0932	2833	8407	EYE GOOD D20
01	1010	2836	8410 ³⁰	EYE GOOD D20
01	1030	2835	8412	EYE GOOD D20
01	1110	2835	8412 ³¹	EYE GOOD D20
01	1126	2837	8411	EYE GOOD D20
01	1210	2838	8410 ³²	EYE GOOD D20
01	1310	2843	8415 ³²	EYE GOOD D20
01	1335	2846	8418	EYE GOOD D20
01	1410	2846	8418 ³⁴	EYE GOOD D20
01	1435	2850	8425	EYE GOOD D22
01	1510	2850	8427 ³⁵	EYE GOOD D22
01	1535	2854	8428	EYE GOOD D22

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ELENASTATION: TBW RADAR

DATE:	TIME:	LAT.	LONG.	REMARKS
31	0540	28 10	85 21 ^v	D60 EYE FAIR Fix-EYE of radius
31	0640	28 35	85 19 ^v	D65 CNTR
31	0740	28 37	85 24 ^v	D60 CNTR
31	0810	28 37	85 19 ^v	D60 CNTR
31	0840	28 33	85 07 ^v	D60 CNTR
31	0940	28 35	84 47 ^v	D50 CNTR
31	1010	28 30	84 45 ^v	D20 EYE FAIR
31	1252	28 32	84 23 ^v	D20 EYE FAIR
31	1330	28 32	84 23 ^v	D20 EYE FAIR
31	1430	28 49	84 04 ^v	D16 PSBL EYE FAIR
31	1506	28 50	84 00 ^v	D16 PSBL EYE FAIR
31	1535	28 54	83 59 ^v	D16 EYE FAIR
31	1605	28 57	83 57 ^v	PSBL EYE FAIR
31	1635	28 57	83 57 ^v	EYE FAIR
31	1730	28 54	84 00 ^v	D20 EYE GOOD
31	1800	28 54	84 05 ^v	D20 EYE GOOD
31	1835	28 49	84 08 ^v	D20 EYE GOOD
31	1900	28 47	83 58 ^v	D20 EYE POOR

TROPICAL CYCLONE RADAR POSITION LOG

SYSTEM NAME: ELENA

STATION: TBW RADAR

DATE:	TIME:	LAT.	LONG.	REMARKS
31	1930	2845	8357 ¹⁶	D20 EYE POOR
31	2000	2847	8403	D12 PSBL EYE POOR
31	2025	2844	8356 ¹⁷	D16 PSBL EYE POOR
31	2125	2855	8410 ¹⁸	PSBL CNTR
31	2200	2841	8352 ¹⁹	PSBL CNTR
31	2225	2857	8352	DISC CNTR POOR
01	0001	2845	8352 ²⁰	PSBL CNTR D14
01	0031	2848	8359	PSBL CNTR D12
01	0100	2845	8356 ²¹	PSBL CNTR D10
01	0127	2842	8352	PSBL CNTR D14
01	0200	2839	8352 ²²	PSBL EYE FAIR D10
01	0226	2842	8351	PSBL EYE FAIR D12
01	0255	2841	8351 ²³	PSBL EYE D11
01	0358	2835	8358 ²⁴	PSBL EYE GOOD D16
01	0438	NO	CENTER	R FIX
01	0510	2845	8356 ²⁵	PSBL EYE GOOD D15
01	0533	2838	8356	PSBL EYE GOOD D15
01	0610	2836	8402 ²⁶	PSBL EYE GOOD D20

TBW CARRIED NO CENTER FIXES TO 2200 TO 0001 BUT RADIO DISPLAY WAS QUITE GOOD.