HURRICANE LORRAINE
172200Z AUG TO 261800Z AUG 1970

I. DATA

A. STATISTICS

1. NUMBER OF WARNINGS ISSUED - 37
2. NUMBER OF WARNINGS WITH HURRICANE INTENSITY - 11
3. TOTAL DISTANCE TRAVELED DURING TROPICAL WARNING PERIOD - 2070NM.

B. CHARACTERISTICS

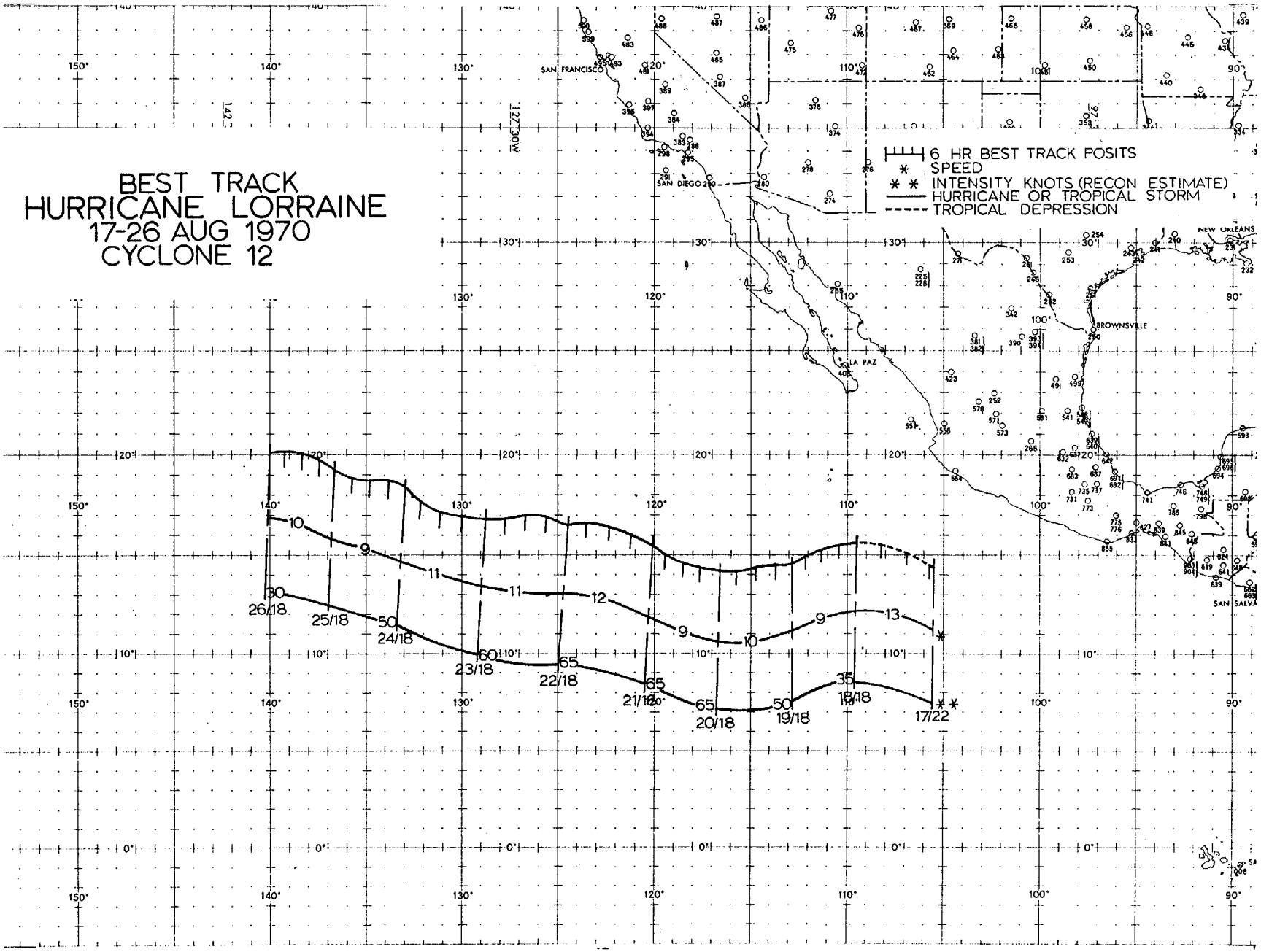
1. MINIMUM OBSERVED SLP - 963MB
2. MINIMUM OBSERVED 700MB HEIGHT - NOT OBSERVED
3. MAXIMUM SURFACE WIND - 85 KTS
4. MAXIMUM RADIUS OF SURFACE CIRCULATION - 330 MI.

II. DEVELOPMENT

A. INITIAL IMPETUS - ITCZ (TROPICAL CYCLONE #12)
B. INITIAL SURFACE VORTEX: 172200Z (ITOS - 1)
C. TIME STORM REACHED HURRICANE INTENSITY - 201800Z

III. FINAL DISPOSITION

A. DISSIPATED OVER WATER (PASSED TO HAWAII)


BEST TRACK
HURRICANE LORRAINE
17-26 AUG 1970
CYCLONE 12
6 HR BEST TRACK POSITS
SPEED
INTENSITY KNOTS (RECON ESTIMATE)
HURRICANE OR TROPICAL STORM
TROPICAL DEPRESSION
SAN FRANCISCO
SAN DIEGO
LA PAZ
BROWNSVILLE
NEW ORLEANS
SAN SALVA
26/18
25/18
24/18
23/18
22/18
21/18
20/18
19/18
18/18
17/22

POSITION FROM BEST TRACK AND VERIFICATION DATA

	STORM POSIT		24 HR ERROR	48 HR ERROR	72 HR ERROR
TIME	LAT	LONG	DEG/DIST	DEG/DIST	DEG/DIST
172200Z	14.3N	105.5W	-	-	-
180000Z	14.4N	105.7W	-	-	-
180600Z	15.0N	106.9W	-	-	-
181200Z	15.4N	108.2W	-	-	-
181800Z	15.5N	109.5W	-	-	-
190000Z	15.4N	110.4W	045/074	-	-
190600Z	15.2N	111.3W	040/123	-	-
191200Z	14.9N	112.1W	025/164	-	-
191800Z	14.5N	112.8W	345/147	-	-
200000Z	14.4N	113.7W	350/172	-	-
200600Z	14.3N	114.7W	350/200	-	-
201200Z	14.2N	115.7W	355/225	-	-
201800Z	14.2N	116.6W	060/039	350/250	-
210000Z	14.3N	117.6W	160/068	350/258	-
210600Z	14.6N	118.5W	180/078	350/260	-
211200Z	15.0N	119.4W	200/032	350/260	-
211800Z	15.4N	120.1W	185/070	135/075	-
220000Z	15.9N	121.2W	165/105	180/162	350/252
220600Z	16.3N	122.3W	160/132	180/180	-
221200Z	16.6N	123.5W	155/156	140/076	-
221800Z	16.4N	124.5W	100/087	135/123	-
230000Z	16.9N	125.6W	095/101	150/188	175/222
230600Z	16.9N	126.7W	085/120	145/198	-
231200Z	16.8N	127.8W	070/150	140/200	090/131
231800Z	16.8N	128.8W	010/084	075/155	-
240000Z	16.9N	130.0W	010/103	075/198	135/224
240600Z	17.1N	131.1W	010/109	075/218	-
241200Z	17.6N	132.1W	010/066	080/232	135/282
241800Z	18.3N	132.9W	185/110	005/078	-
250000Z	18.6N	133.8W	200/102	355/087	090/246
250600Z	18.6N	134.8W	205/101	350/096	-
251200Z	18.8N	135.7W	200/114	260/042	080/273
251800Z	19.2N	136.6W	260/035	190/213	-
260000Z	19.7N	137.4W	240/054	218/184	340/108
260600Z	20.0N	138.3W	245/060	205/204	-
261200Z	20.1N	139.2W	060/152	205/210	220/124
261800Z	20.0N	140.0W	095/073	270/090	-

PASSED TO FLEET WEATHER CENTRAL, PEARL HARBOR

24 HR FORECAST ERROR = 106 MI
48 HR FORECAST ERROR = 169 MI
72 HR FORECAST ERROR = 203.9 MI

EYE FIXES TROPICAL CYCLONE #12 (HURRICANE LORRAINE)

FIX NO.	TIME	POSIT		UNIT/ACCURACY		FLT LVL	OBS. SFC WND	OBS. SLP	MIN 700 HT	FLT LVL TT/TO	EYE FORM	ORIEN-TATION	DIAM EYE
1	181806Z	15.4N	109.6W	9th AF	10nm	500mb	35KTS	-	3136M	- -	C		10
2	191845Z	14.5N	112.8W	VW-1	10nm	700mb	50KTS	-	-	26/22	E	09/20	10
3	201830Z	14.2N	116.6W	9th AF	10nm	500mb	65KTS	988(c)	2969M	- -	E	10/30	20
4	211720Z	15.4N	120.1W	9th AF	10nm	300mb	65KTS	978	2838M	- -	C		20
5	221730Z	16.7N	124.4W	9th AF	15nm	300mb	65KTS	963	-	- -	C		17
6	231750Z	16.8N	128.7W	9th AF	25nm	300mb	60KTS	986	-	25/31	C		20
7	241830Z	18.3N	133.1W	9th AF	10nm	300mb	50KTS	994	-	29/33	C		20
8	261830Z	20.0N	140.0W	9th AF	10nm	300mb	30KTS	-	-	- -	C		40