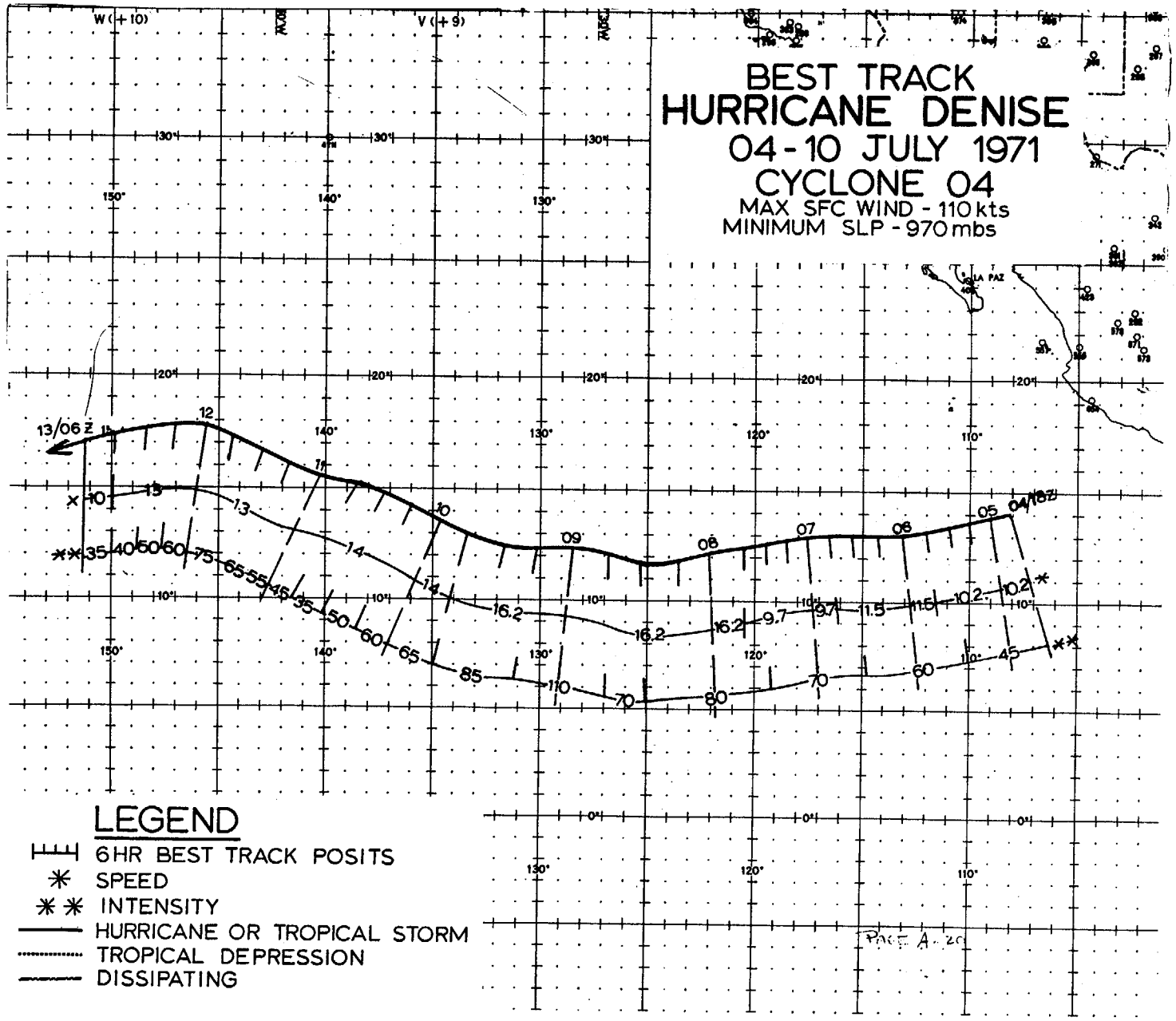
BEST TRACK
HURRICANE DENISE
04-10 JULY 1971
CYCLONE 04
MAX SFC WIND - 110 kts
MINIMUM SLP - 970 mbs
LEGEND
6HR BEST TRACK POSITS
SPEED
INTENSITY
HURRICANE OR TROPICAL STORM
TROPICAL DEPRESSION
DISSIPATING
13/06 Z
04/18Z
LA PAZ

HURRICANE DENISE

TIME	STORM POSIT LAT	LONG	24 HR DEG/DIST	48 HR DEG/DIST	72 HR DEG/DIST
041800Z	14.0N	108.0W	-	-	-
050000Z	13.9N	109.0W	-	-	-
050600Z	13.8N	110.0W	-	-	-
051200Z	13.5N	111.0W	-	-	-
051800Z	13.2N	112.0W	349/147	-	-
060000Z	13.0N	113.1W	351/181	-	-
060600Z	13.0N	114.3W	353/205	-	-
061200Z	13.0N	115.5W	348/168	-	-
061800Z	13.0N	116.6W	070/038	354/252	-
070000Z	13.0N	117.6W	070/039	352/276	-
070600Z	12.9N	118.5W	080/133	351/302	-
071200Z	12.7N	119.5W	075/115	342/246	-
071800Z	12.5N	120.5W	346/033	033/051	-
080000Z	12.2N	122.1W	045/050	048/090	357/378
080600Z	11.9N	123.7W	058/093	073/261	-
081200Z	11.8N	125.3W	064/111	069/237	358/282
081800Z	12.1N	126.9W	096/145	067/145	-
090000Z	12.4N	128.5W	102/194	090/183	076/216
090600Z	12.4N	130.1W	103/226	090/219	-
091200Z	12.5N	131.8W	104/270	094/256	082/374
091800Z	13.0N	133.3W	179/060	104/295	-
100000Z	13.6N	134.7W	187/096	118/360	107/345
100600Z	14.3N	136.0W	193/144	122/395	-
101200Z	14.9N	137.2W	201/155	120/405	117/396
101800Z	15.4N	138.4W	204/058	205/192	-

PASSED TO FLEWEACEN PEARL HARBOR

FORECAST ERROR 24 HR = 126.7 MI
48 HR = 245.0 MI
72 HR = 331.8 MI

EYE FIXES TROPICAL CYCLONE #4 (HURRICANE DENISE)

NO.	TIME	POSIT	ACC.	LVL	SFC WND	FORM	EYE DIAM
1	051917Z	13.2N 112.3W	7NM	300/500	60	C	-
2	061750Z	13.0N 116.6W	10NM	300	70	C	25MI
3	071740Z	12.5N 120.5W	10NM	300/700	80	C	40MI
4	081933Z	12.1N 127.3W	10NM	300/700	110	C	20MI
5	091825Z	13.0N 133.3W	10NM	300/700	85	C	-
6	101815Z	15.7N 137.6W	25NM	300/700	100	E	090/30/25
7	111800Z	17.2N 144.2W	-	-	75	-	-

HURRICANE DENISE
POSITION FROM BEST TRACK AND VERIFICATION DATA

TIME	LAT	LONG	DEG/DIST
110000Z	15.5N	140.3W	360/060
110600Z	16.1N	141.6W	037/099
111200Z	16.7N	142.9W	011/190
111800Z	17.2N	144.2W	032/177
120000Z	17.8N	145.6W	023/130
120600Z	17.8N	147.0W	001/205
121200Z	17.6N	148.4W	354/273
121800Z	17.3N	149.8W	302/120
130000Z	17.0N	151.2W	DSPTD

24 HOUR FORECAST ERROR = 157 MI

EYE FIXES HURRICANE DENISE

	FIX NO.	TIME	POSIT	UNIT METHOD -ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL TT/TO	EYE FORM	EYE DIA	THKNS WALL CLOUD
#1	06-10	101815Z	15.7N 137.6W	AF-RADAR-PENE-25MI	700MB	100	100	-X-	2762	12/5	E	30X25	PRLY DEFINED WALL CLD AT FLT LVL
#2	07-04	111804Z	17.3N 144.2W	AF-RADAR-PENE-10MI	700MB	70	75	993MB	2987	13/7	C	30	- - -
#3	08-03	121800Z	17.3N 149.8W	AF-PENE-10MI	700MB	48	40	999MB	3103	7/5	C	30	NO APRNT WALL CLDS
#4	XX-04	130340Z	16.8N 151.3W	AF-PENE-10MI	700MB	36	35	1004MB	3136	13/13	C	40	- - -
#5	01-11	131910Z	16.0N 153.3W	AF-RADAR-10MI	700MB	05	X	X	3116	06/X			CNTRLL DEFINED. NO DEFINITION

HURRICANE FRANCENE

181800Z JUL TO 250000Z JUL 1971

I. DATA

A. STATISTICS

1. NUMBER OF WARNINGS ISSUED - 27
2. NUMBER OF WARNINGS WITH HURRICANE INTENSITY - 4
3. TOTAL DISTANCE TRAVELED DURING TROPICAL WARNING PERIOD - 1440 MILES

B. CHARACTERISTICS

1. MINIMUM OBSERVED SLP - 995 MB
2. MINIMUM OBSERVED 700 MB HEIGHT - NOT OBSERVED
3. MAXIMUM SURFACE WIND - 100 KNOTS
4. MAXIMUM RADIUS OF SURFACE CIRCULATION - 300 MILES

II. DEVELOPMENT

A. INITIAL IMPETUS - ITCZ
B. INITIAL SURFACE VORTEX - 181800Z
C. TIME STORM REACHED HURRICANE INTENSITY - 191800Z

III. FINAL DISPOSITION

A. DISSIPATED OVER WATER NEAR 14.0N 133.0W