

II. Data Tape Worksheet

1984

19840911-14-LAND-ILM

①

Storm Name: DIANA

Date: 9/1/84

NWS Station: ILM

Recorded By: Dodge, Clemenshaw Boggett

DVID: NORM 002 PRT LOW
15
LOG

CONTROLLER AZI TRIGGER
CONT 000 001 PRF 11 10
03 sweeps

TAPE NUMBER	START TIME	END TIME	CAPPI TIMES	NOTES: (ANTENNA ELEVATION, TOP ELEVATION ANGLE FOR CAPPI'S, OTHER RADAR OBSERVATIONS)
1	2330	00755		2°, every 3 rd sweep 234908 - changed to 1°, every 3 rd sweep
2	011220	023919	217-220	128 - 35K-38K' tops in NE QUAD max ~ 6°
#3	024600	041010	302 358	1°, every 3 a few parity beeps at beginning max - 7° max ~ 7°

rewound itself

auto rewind

AUTO REW

139
1/4 rep TRW++
on coast
at Moolthead City

227 ~~is~~ continues
slow westward
movement.

323 60 KTS. AT OAK ISLAND

0055 W Gust 45 at Carolina Beach
0059/0348 77° Z 1 FX
eye appears to be moving
slowly WEST.
WRIGHTSFIELD BEACH GUST TO 30 KTS

251 Hurr force winds
Caroliner Beach

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Storm Name: DIANA

Date: 9/13/84

NWS Station: ILM

Recorded By: Boygert, Clemenshaw, Dodge

Radar Ops: Chuck Holzinger,

TAPE NUMBER	START TIME	END TIME	CAPPI TIMES	NOTES: (ANTENNA ELEVATION, TOP ELEVATION ANGLE FOR CAPPI'S, OTHER RADAR OBSERVATIONS)
4	041445Z	052911	~434 ~449 ~510	10, every 3 rd sweep eye 13 mi east of Cape Fear 423 - eye has } shape... max ~ 7° (cont until 43619) 448 eye seems to be growing max ~ 7° 456 barograph taking a dive! Gusts to 50 kts more freq. now max ~ 6°

latest eye fix
~ 514; 165°, 22 mi
tracking 150°!

523-525 max ~ 7° (skipped 5°)

524 - 60 mph here

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Storm Name: Diana

Date: 9/13/84

NWS Station: ILM

Recorded By: the good guys (Clemenshaw, Robert & Dodge)

TAPE NUMBER	START TIME	END TIME	CAPPI TIMES	NOTES: (ANTENNA ELEVATION, TOP ELEVATION ANGLE FOR CAPPI'S, OTHER RADAR OBSERVATIONS)
7	741	815	742 751 *812	max 8° (may have skipped every other sweep) max 8.6° (elevated at ~360°) max 6.5 lit COF by acc.
8	82030	835 0853	835 840 0853	828 Generator fluctuated 829 looks OK now 830 no - signal still fluctuating max 6.5° max 8.5 Stop - ERROR - Manual revision

~740Z "just got real calm downtown" (Bill. —, El Tech)

828: emer. power fluctuated
—freq seems 1 cycle high

832 & 844 interesting "hook" in between outer bands



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Date: 9/13/84

NWS Station: ILM

Recorded By: Clemenshaw, Boyer, Dodge

TAPE NUMBER	START TIME	END TIME	CAPPI TIMES	NOTES: (ANTENNA ELEVATION, TOP ELEVATION ANGLE FOR CAPPI'S, OTHER RADAR OBSERVATIONS)
5	~533		537-540	1°, every other sweep
			556	2.4 max
			613	~6.9° max (changed at ~300°) [but 1→2 at 360°]
		62947		~8° max
6	634	663408	638	1°, every other max ~7.7°
		736	657	max ~7.7°
			723	max ~8° (elevated at 360°)

536 - reports of power lines & trees going down in East Wilmington

603 - TV shows  shape - almost symmetric in N-S
(axis of ANTISYMMETRY EW?)

654 1/2 eye fix 187° 20

657: 72 mph gust here.

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Recorded By: Clemenshaw, Bogert, Dodge,

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TAPE NUMBER	START TIME	END TIME	CAPPI TIMES	NOTES: (ANTENNA ELEVATION, TOP ELEVATION ANGLE FOR CAPPI'S, OTHER RADAR OBSERVATIONS)
9	0858	953	0901 45 0930 30 0942 00	max 6.9° (elevated ~ 360°) Max 7.1° " " 0936 - Power Flux MAX 6.5° ↑ @ 360° RAN OFF THE <u>end</u>
10	100440	110015	1027 ~1038-41 1054-56	1021 POWER FLUXES - 63 cycles? max 6.4° (rot at 360°... not so hot a choice!) 9.5° (rot at 270°... should catch all signif cells near eye) 7.5° (")

1027 intense
band N of eye
N of radar... try
to do next cappi's
12 to catch it (rot at 270°)

942 ☺ shape
to eye. while
doing ~~the~~ vol. scan
it seemed at higher
levels:



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Storm Name: DIANA

Date: 9/13/84

NWS Station: ILM

Recorded By: the three musketeers

9/13/84

TAPE NUMBER	START TIME	END TIME	CAPPI TIMES	NOTES: (ANTENNA ELEVATION, TOP ELEVATION ANGLE FOR CAPPI'S, OTHER RADAR OBSERVATIONS)
11	110755	115400	1114	BASF tape 1°, every other sweep.
			1127	max 7.5° (rot at 270°)
			1140	max 8.6 (rot at 340°)
				max 6.5 (rot at 360°)
12	115920	1249	1201	max 7.4 " " "
			1234-36	max 7.5 "
			1243	max 7.4 "
				EDF maybe on tape

1122: level 4 in eye wall
east of eye - tops
at 36,000' (1/2)

1248 power nose dive
1249 back up

DIANA
9-13-84
ILM

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Rec. by the three Musketeers

Tape #	Start	Stop	Cappi Times	Notes
13	125430			1° every other sweep, BASE-tape
			1259	1257-1259 rapid down scan max 7.4 fucking eye moving NNW now?
			1335	1333- eye very hard to find - breaking up?
				7.5° (rot at <u>160°</u>)
		134927		
14	1355		135650	max 7.3 (rot at 230°) BUT ONLY REC EVERY OTHER SWEEP...)
				= 3409' 78028
			1433	1423 1/2 FX 254° 32 nm max 7.6° (rot at 290°) eye in the pic...
			14427	MAX 7.5 (rot at 360°)
		145325		
15	145840		1501	WENT 2°, every 3rd SWEEP 6.4° @ 360°
			154041	7.5° @ 360°
			162530	8.0° @ 360°
			164500	8.0° @ 360°
			171000	Error During Cappi Rewinding @ 1713

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Storm Name: DIANA

Date: 9/13/84

NWS Station: ILM

Recorded By: Dodge Clemenshaw & Bogert (or was it Bogert Clemenshaw and Dodge?)
whatever...

TAPE NUMBER	START TIME	END TIME	CAPPI TIMES	NOTES: (ANTENNA ELEVATION, TOP ELEVATION ANGLE FOR CAPPI'S, OTHER RADAR OBSERVATIONS)
16	171830 175700	190110	172800 175700 1829- 185727	continuous 171830 → ~6.9° @ 360° 173100 ~7.4° @ 360° 180000 ~7.3° @ 360° 183215 [1844 ~7.4° @ 360° 190000 ...

switched
off Swee
Button - a
Dumb Shit
Award!]

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Storm Name: DIANA

Date: 8/13/84

NWS Station: ILM

Recorded By: DODGE, BOGERT, CLEMENSHAW

TAPE NUMBER	START TIME	END TIME	CAPPI TIMES	NOTES: (ANTENNA ELEVATION, TOP ELEVATION ANGLE FOR CAPPI'S, OTHER RADAR OBSERVATIONS)
#17	190550	~2100	2012 2038	~7.5° @ 360° 201523 ~ @ 360° ABORTED BY POWER LOSS... Ran off end...
END				