

19830817-18L-LPS



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL WEATHER SERVICE - EAST

(EA 95)

715 Hurricane Aliza

CONT. 680

5:51 PM

International

3:53 flight to Houston
arrives Houston [5:13 PM]

5:13

8/17/83 { 43RF 0100Z TO land in NO
42RF 0900Z TO land in NO
43RF 1930Z TO from NO to NO

8/18/83 → 42RF 0430Z TO from NO to NO

at 11 EDT storm expected to move no
forwards Houston.

Word's people will be at

666-6342 on the hour from the hr to 5 aft
The
Grom

Gale Warnings

Hurricane Watch from Corpus - Grand Isle

48 hrs from 12Z 16 August,

VCT seems to be up

80 mph 8 PM ~~adv~~ 0100Z 27.4N 93.3 W 29.7 mb
11 PM ~~adv~~ observation ~ 29.1 mb

Victoria

Cay

VCT down down system on sporadically
Galveston radar shows eye ball well



Operations

Hurricane Alicia

Arrived Houston ~ 2200Z 16 Aug 1983
checked in with B. Burpee and H. Friedmann
~ 2300Z position ~ 65 kts

at Marshall 27.2 - 3° N speed ~ 3 kts
93.2° W of due west
Houston Intercontinental Airport last
713 443-2310 6 h

landfall forecast at Galveston
for ~ 2100Z 17 Aug 1983

tentative thoughts (with ^{discussion} Burpees)
Al and I to Galveston
Richard and Darryl to Corpus Christi

Storm heading towards Corpus Christi
put prog puts it over

Radar equipment delayed can't pick up
until 9:30 - 1000 CDT
check in with Howie at 9:30 CDT

arrived at Galveston at 12:15 am CDT
set up radar ~~set~~ ^{recorder} - radar down from 0245
CDT - 0315 CDT to hook up our controller
started recording on VCR at 0330 CDT
(0830 GMT)

eye clearly visible 120 mi SE of radar.

MIC { Bill Blum
Dick Crankwright ET
John Chalupa ET

Johnny Hudson radar Met. tech
Wilford Burson radar Met. tech
Tom Kirkpatrick local

Brian Peters Memphis
Steve Harwood WSO

~~Bob Martin~~ NWS/Hadguanting
Ron Castle Radar Benny Tary (Little Rock)
Lawrence Cash Cbs.
Thomas Fountain Deputy MIC Cbs

8/1

8/1



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GLS 765-9506
5448

Start recording

090555Z tape 1 nope problem

095705Z start tape 1

Daryl called at 0955Z

he's set up and recording

Carpus Christi started recording 0930Z

don't start cappis until see eye.

734-3337 Daryl FTS at Carpus Christi

0000Z Landfall Bumpsee called
at 0546 CDT

Call Lloyd. at 1100 CDT

elevation offset $\sim 25^\circ$

azimuth offset $\sim 120^\circ$ looks like its working

Sweep starts $\sim 240^\circ$ ends 240°

~ 133640 saw 42RF go through eye E-W
right after CAPPI

16Z 28. 94.5 980 mb 75 kts

Computes

295/4 kts

8/18 00Z 28.3 95.1
12Z 28.7 96.0

8/19 12Z 29.5 98.0



8/17 22Z

Howe

97°F mb 95 kts
Stationary

Tornado sightings

Bang cliff

two sightings east and west of

Hitchcock
0425Z

Stopped recording 20655Z

call Lloyd at 2212Z

Radar shut down

at 0805Z

4 flights

found out later that
log amplifier blown

Sherraton Ann

504-467-

3111

Ask for Trent

BD 1314

main operator
1120-5011
M



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585 Stewart Avenue

Car lost 3 windows will call
AVIS (1-800-831-1212)
Al called 1025
will call back

log amplifier.
run calibration with a new log amplifier
get speeds of last calb. (run on Tuesday)

95 15 Tightman

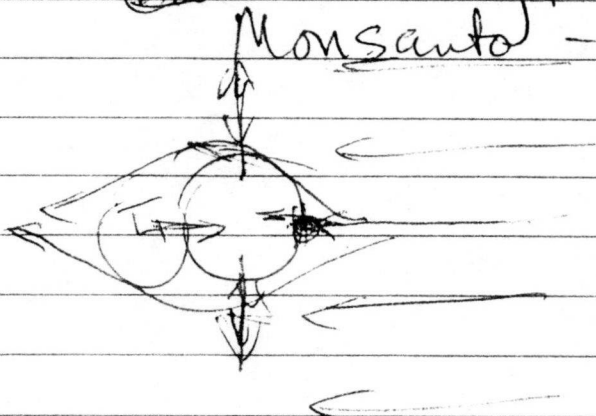
Dow Chemical Freeport

Union Carbide Texas City

Amoco Texas City

have recording apparatus
~~at~~ Texas City Docks

Monsanto - Chocolate Bayou



Radar problem ~~was~~ Thursday

was a bad cable between
the antenna pedestal

and the ~~transmitter~~
modulator.

10g amp blew a fuse.



-109 dBm min. det.

20 Aug 1983

~1500Z

Radar Calibration Galveston, Tex
WSR-57

Receiver Calibration

Al and John Chalupa on the roof
tape recorder on down in radar room

long pulse low PRF (9.5 km range)

Time (Z)	Level	Comments
165040		Tape on, tapes ru.
165040		fiddle between 53.4 and 53.1
165200	2	(53.4) adjusting 2 and 6
165212	2 6	(27.0) fiddle between 27.0 and 27.4
165330	2	
165435	2 6	Dick adjusted base in DVI
165450	6	Dick adjusting ramp in DVI
165530	2 2	" " base in DVI
165615	6	Dick adjusting ramp in DVI
165703	2 2	
165800	6	
165840	2 2	set Step down Thru low
170000	5	
170100	3	42.4 42.9
170130	2	52.4
170300	1	85.3

(18 noise on you DVI)

short pulse
high prf.

Time (Z)	level		Comment
170500			
170630	3	(51.4) 51.9	
170800	6	(35.4) 35.9	Dick adjusting their DUIP
170900	3	(51.4) 51.9	Dick adjusting their DUIP
170922	6		
170950	3		* okay stay
171050	4	(46.4) 46.9	
171105	5	(41.4) 41.9	
171125	6	(35.4) 35.9	
171140	3	51.4 51.1	
171210	2	(62.2) 62.9	
171300	1	(85.3)	Dick getting nots. 3015
		(noise)	



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Pawnee, New York 11930

Check to see if Texas A&M radars
were recording during landfall
and get copies of their tapes and tape
formats