

2nd flight C130 DAVID
-105-

19790831FLCLDPHY

790831 F

Form I-2 Cloud Physics Project Scientist Operational CHECKLIST

DATE 8/31/79

AIRCRAFT C-130

FLIGHT 790831 F

A. INSTRUMENT STATUS AND PERFORMANCE

	PreFlight	InFlight	PostFlight	Remarks	Data Units Collected
Johnson Williams	✓				
Nimbiometer	✓			6100hms	
Lyman Alpha	N/A				
U. V.	N/A				
dewpoint	N/A				
Foil Impactor	✓	~3086" - erratic			
Formvar	N/A				
Knollenberg ID only					
Raindrop	✓				
Cloud Droplet					
FSSP					
Data System	✓				
& Displays	✓				
Ice Particle Counter					
Mee	✓				
ERT					
CO ₂ Radiometer	N/A				
Microwave Radiometer					
Aerosol					
Filters					
Bulk Water					
INC					
CCN					

B. REMARKS

clock set 1 sec ahead of AWRS

DATE 8/31/79

FLIGHT 790831F

STORM DAVID

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FOIL MARKED AT SLOT AND COUNTER ZEROED.

790831F

OPERATOR Lahiff

TRANSPORT		COUNTER		TRANSPORT		COUNTER	
DIGITAL TIME (GMT)		(INCHES)		DIGITAL TIME (GMT)		(INCHES)	
ON	OFF	ON	OFF	ON	OFF	ON	OFF
T10		0	100				
0710	every 5 min	~5 inches					
082800	083125	0210	615	← rainband		east to	
083300	083700	615	1088	← eye wall		center?	
084100	084500	1088	1588	← eye wall		center to west	
0850	0905	1588	1610	← take up			
090830	091300	1610	2149	← rainband?		west to center	
091530	091710	2149	2354	← eye wall		west to center	
092130	093100	2354	3086	← eye wall		center to south	
		counter stopped working		~0930 will continue to			
		operate until		time or ~30 min (up to here ~27 min)			
		because malfunction light has not gone on.					
095800	100000			eyewall	south to center		(29 min)
100400	100903			eyewall	center to north		
		center has clicked off a few inches (~20)					
		over this period, may be frozen or?					
		10162 center now reacts erratically, zooming					
		off ~5" at a time, I now consider the system					
		inoperative					

N
↑
← S
motion

(29 min)

(~34 min)