MISSION PLAN				
FLIGHT ID	20210906N1	STORM	AL12 / LARRY	
MISSION ID	WC12A	TAIL NUMBER	NOAA49	
TASKING	HRD	PLANNED PATTERN	Survey + Circumnav	
MISSION SUMMARY				
TAKEOFF [UTC]	1545	LANDING [UTC]	2253	
TAKEOFF LOCATION	St. Croix	LANDING LOCATION	St. Croix	
FLIGHT TIME	7.1	BLOCK TIME	6.8	
TOTAL REAL-TIME RADAR ANALYSES (Transmitted)	3 (3)	TOTAL DROPSONDES (Good/Transmitted)	35 (35/35)	
OCEAN EXPENDABLES (Type)	None	sUAS (Type)	None	
APHEX EXPERIMENTS / MODULES	Mature Stage Experiment: TC Diurnal Cycle			
HRD CREW MANIFEST				
LPS ONBOARD	None	LPS GROUND	Dunion, O'Neill, Wing	
TDR ONBOARD	None	TDR GROUND	Reasor, Gamache	
ASPEN ONBOARD	Parrish	ASPEN GROUND	None	
NESDIS SCIENTISTS	None			
GUESTS (Affiliation)	None			
AOC CREW MANIFEST				
PILOTS	Mansour, Varwig			
NAVIGATOR	None			
FLIGHT ENGINEERS	None			
FLIGHT DIRECTOR	Kalen, Parrish			
DATA TECHNICIAN	Defeo			
AVAPS	Greene			

PRE-FLIGHT		
Flight Plan	PRE-FLIGHT	
Expendable Distribution	Dropsondes released at all of the green points in the above plan	



IN-FLIGHT			
Time [UTC]	Event		
1530	CIMSS indicates lower vertical wind shear than yesterday		



















POST-FLIGHT			
Mission Summary	35 total dropsondes were released; 10 for HRD and 25 for Stanford Univ. collaboration.		
Actual Standard Pattern Flown	Survey pattern with 3 Radius 90 n mi partial circumnavigations		
APHEX Experiments / Modules Flown	TC Diurnal Cycle Experiment		
Plain Language Summary			
Instrument Notes			
Final Mission Track	Planned track with drop points (blue), actual flight track (red)		