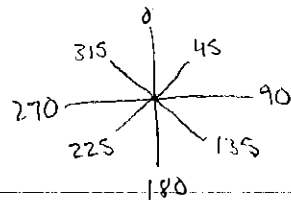


**NOAA / AOML / Hurricane Research Division  
Hurricane Field Program  
Advancing the Prediction of Hurricanes Experiment (APHEX)**

**FLIGHT LOG - LARRY 20210906I1**

MISSION PLAN			
FLIGHT ID	20210906I1	STORM	AL12/LARRY
MISSION ID	WB12A	TAIL NUMBER	NOAA43
TASKING	HRD	PLANNED PATTERN	Butterfly
MISSION SUMMARY			
TAKEOFF [UTC]	1448	LANDING [UTC]	
TAKEOFF LOCATION	STX	LANDING LOCATION	STX
FLIGHT TIME		BLOCK TIME	
TOTAL REAL-TIME RADAR ANALYSES (Transmitted)			
OCEAN EXPENDABLES (Type)			
APHEX EXPERIMENTS / MODULES	Mature Stage Experiment: NESDIS Ocean Winds; Surface Wind and Wave Validation; End Stage, Tropical Cyclones at Landfall (Coastal Survey Module)		
HRD CREW MANIFEST			
LPS ONBOARD	Holbach		
TDR ONBOARD	Holbach		
ASPEN ONBOARD	Hazeltor		
NESDIS SCIENTISTS	Chang, Jelenak, Sapp		
GUESTS (Affiliation)	—		
AOC CREW MANIFEST			
PILOTS	Dudley, Coparc, Statcher		
NAVIGATOR	Hough, Richards		
FLIGHT ENGINEERS	Darby, Bennet		
FLIGHT DIRECTOR	Holmes		
DATA TECHNICIAN	Mascaro		
AVAPS	Warnecke		

**NOAA / AOML / Hurricane Research Division**  
**Hurricane Field Program**  
**Advancing the Prediction of Hurricanes Experiment (APHEX)**



**FLIGHT LOG - 20210906E1**

<b>PRE-FLIGHT</b>	
<b>Flight Plan</b>	<p style="text-align: center;">ALAMOS → 73</p> <p>pt. 3: 25° 03', 55° 32'</p> <p>pt. 4: 24° 38', 56° 05'</p>
<b>Expendable Distribution</b>	<p style="text-align: right;">Comboeye S→6 RMW NE → NW</p>
<b>Preflight Weather Briefing</b>	Larry looks very anular for ATL.
<b>Instrument Notes</b>	

<b>IN-FLIGHT</b>		
Time [UTC]	Event	
1448	Takeoff	
1521-1528	Comms outage	
1612-1628	Comms outage (satcom is down)	
~1609	SFMR was having issue w/ clock synchronization, but reboot of one system resolved the issue	
1656	depressurized for BT internal launches	
1703	Combo pt 1	EMC / ONR BT
1718	Sonde 2 midpoint	EMC
1726	Mark condor sonde 3	HRD
1744	Sonde 4 midpoint	EMC
1754	Combo pt 2	EMC / ONR BT
1852	Combo pt 5 28.61°C	EMC / ONR BT

NOAA / AOML / Hurricane Research Division  
 Hurricane Field Program  
 Advancing the Prediction of Hurricanes Experiment (APHEX)

FLIGHT LOG - 20210906E1

1905	midpoint sonde 7	EMC
1912	RMW sonde 8	NHC
1918	Combo center #9 27.47°C 956 mb	HRD/ONR BT
1933	midpoint sonde 10	EMC
1945	Combo pt 6 #11 26.92°C	EMC/ONR BT
1959	Combo pt 6-7 midpoint #12 27.11°C	ONR
2011	Combo pt 7 #13 27.96°C	EMC/ONR BT
205	back-up sonde pt 7 #14	EMC
2023	Midpoint sonde #15	EMC
<del>2028</del>	RMW sonde #16	NHC
2036	mark center #17	HRD
2039	Beginning eye-eyewall mixing module!	
206	E-EW sonde #18	HRD
	possible meso on SW side	
	end of module. Repositioning for	
	outbound	
2116	RMW sonde #19	HRD
2122	midpoint sonde #20	EMC
2136	EP combo drop #21	EMC/ONR BT
2330	landing STX	
Sondes:	EMC: 13 (1 bad) NHC: 2 HRD: 5 ONR: 1	
BTs:	ONR: 8	
<del>221045</del>		
<del>223300</del>	Drop 25 (RMW) inbound from E	