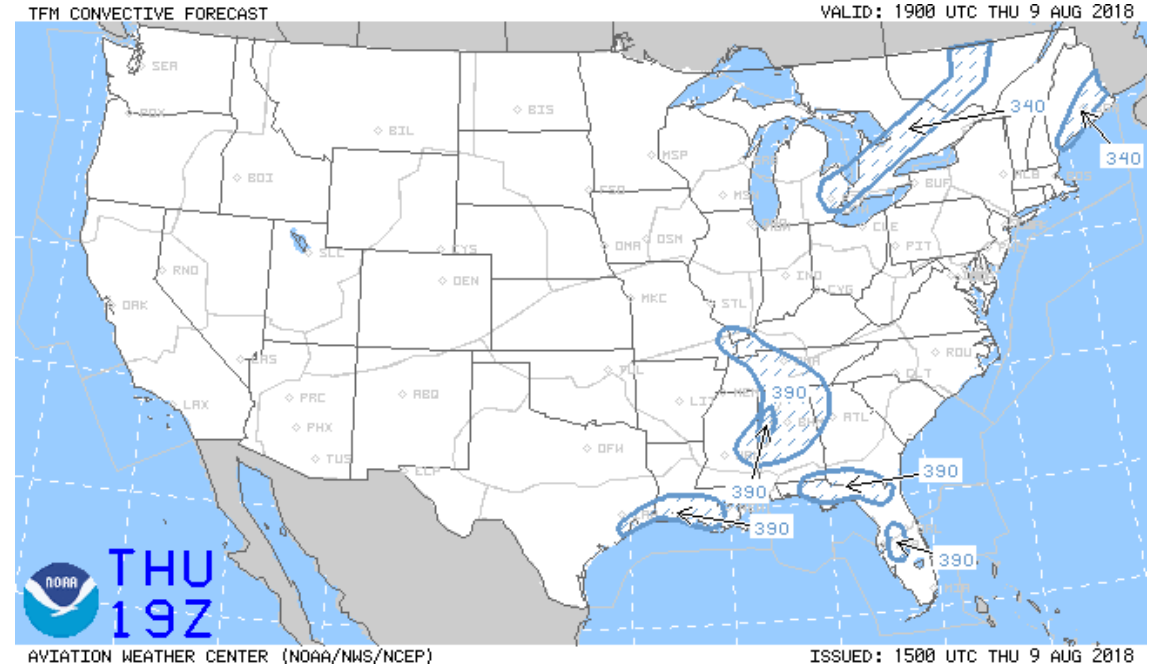
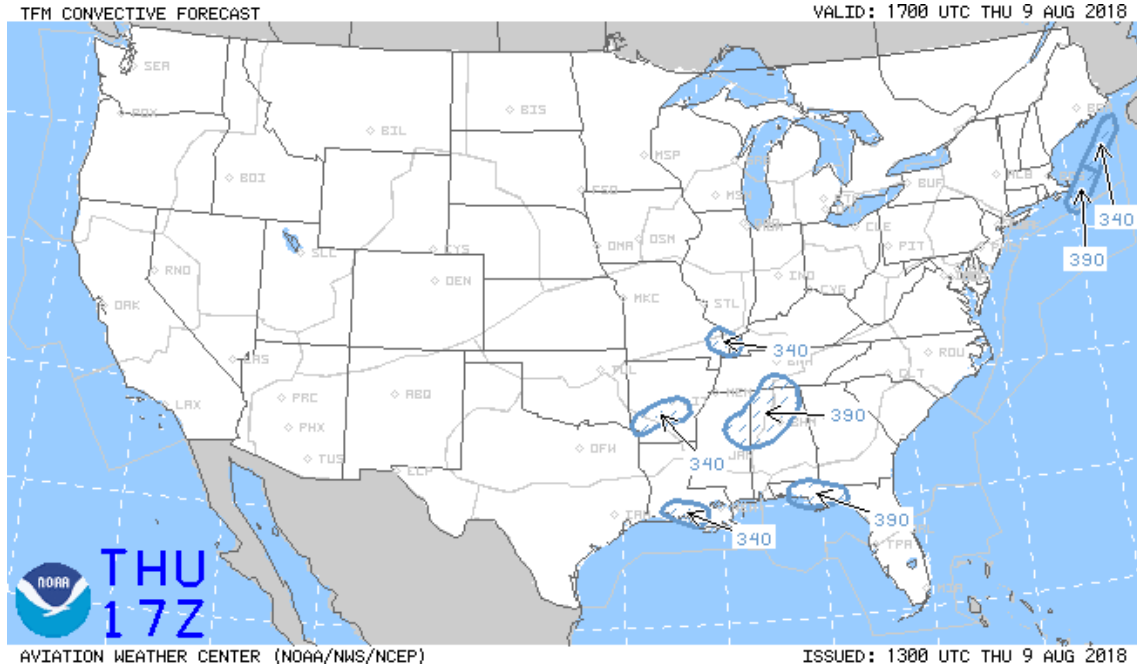


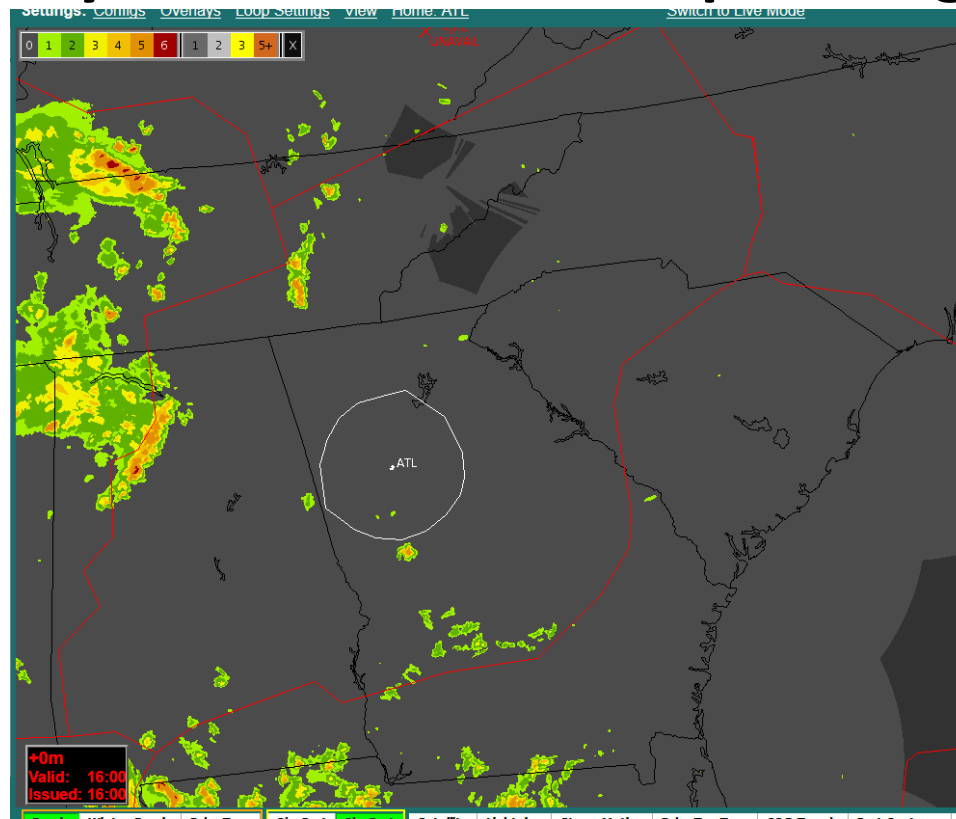
Background for Discussion of Forecasts for Atlanta 8-9-2018

- **Explosive convective growth not anticipated by TCF or HRRR commenced in ZTL between 16Z and 17Z.**
- **TRACON (A80) and ATL had extensive convection by 18Z. First TMI was at 1818Z.**
- **Airport impacts diminished by 20Z, but several arrival gates into ATL were blocked**
- **Recovery of arrivals at the airport commenced by 01Z.**
- **GDP at 23Z used to meter Delta flights held at the origin back to the airport. At that time, no appreciable convection near the airport, but significant convection remained at the ZTL boundaries.**

TCF for 21Z and 23Z issued at 17Z---does not include ATL/A80.

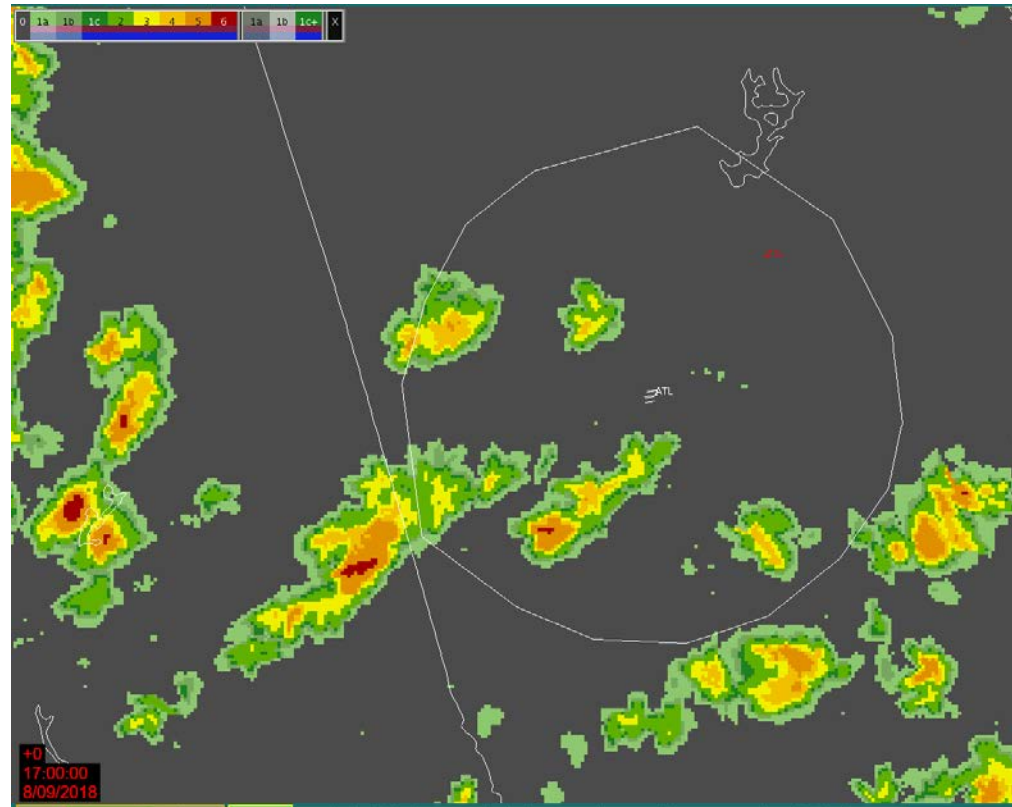


Discussion # 1: Given the TCF and weather at 16 Z, what forecasts would you use for 17Z-19Z planning



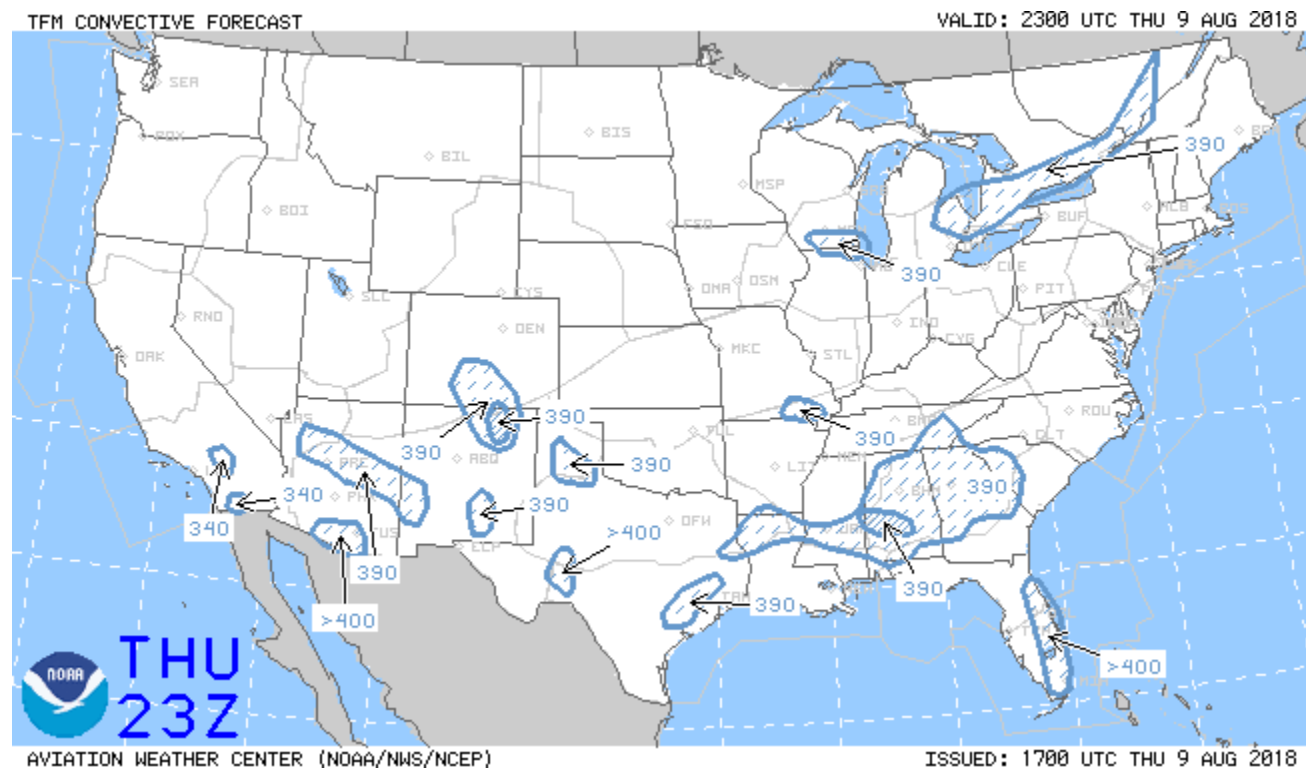
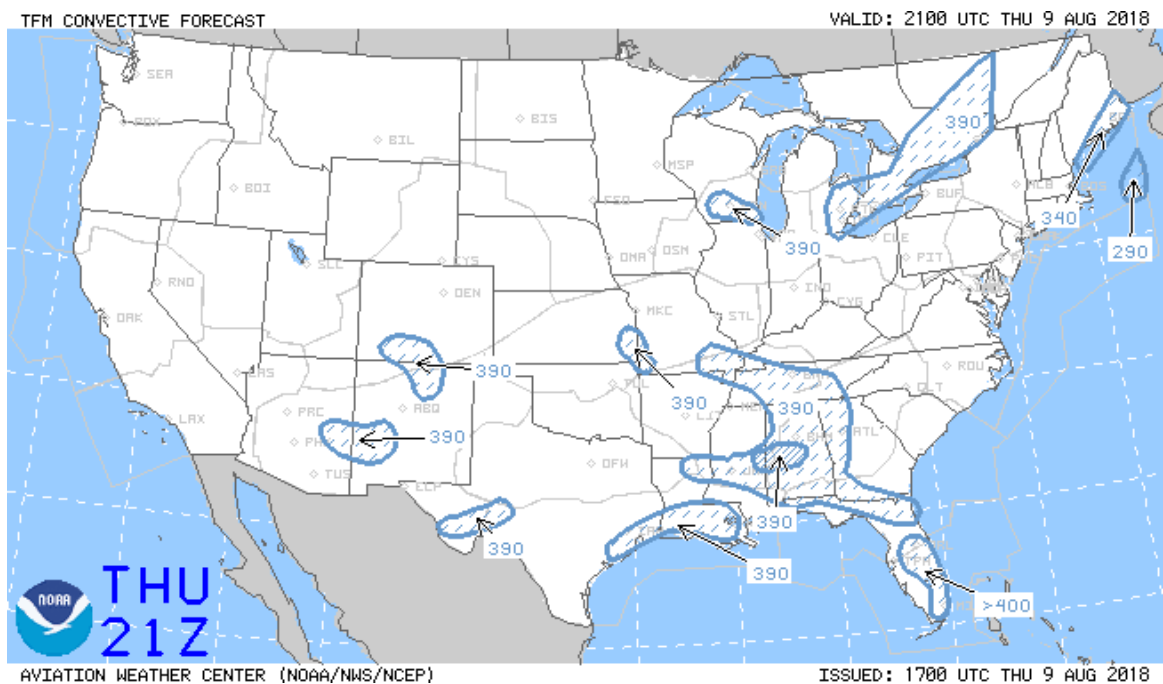
8-9-2017 at 16 Z

Discussion question # 2: Convection is clearly developing within ZTL and A80. What forecast do you use now to plan for 19Z-23Z?

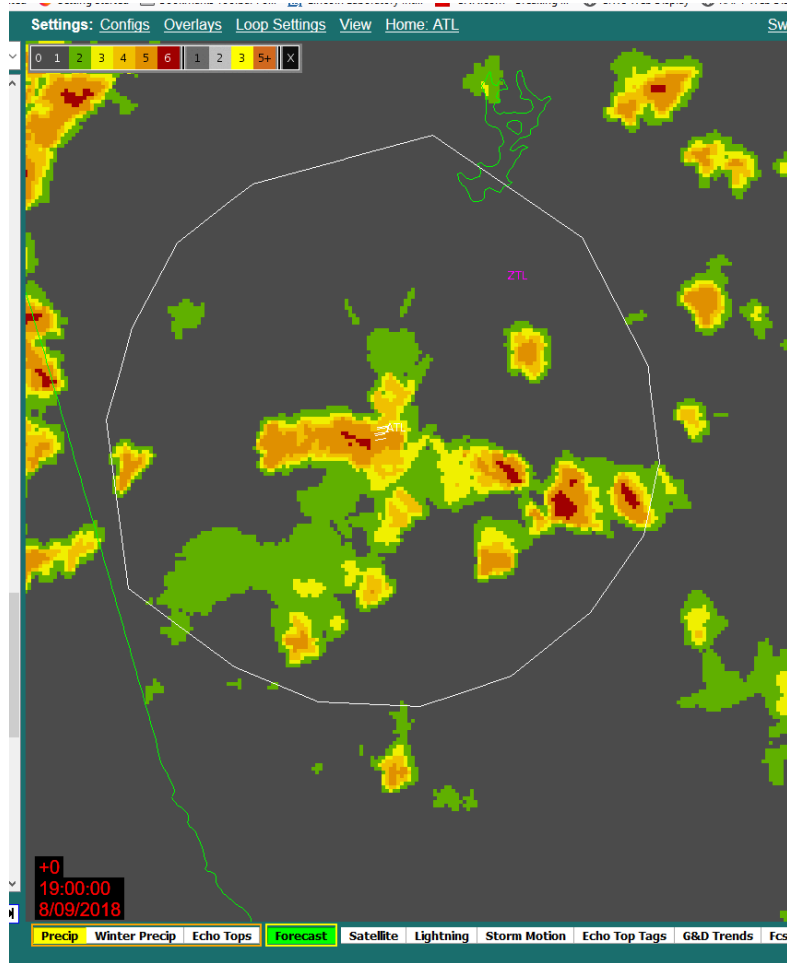


8-9-2018 17Z

TCF for 21Z and 23Z issued at 17Z---shows sparse coverage over ATL at 23Z.

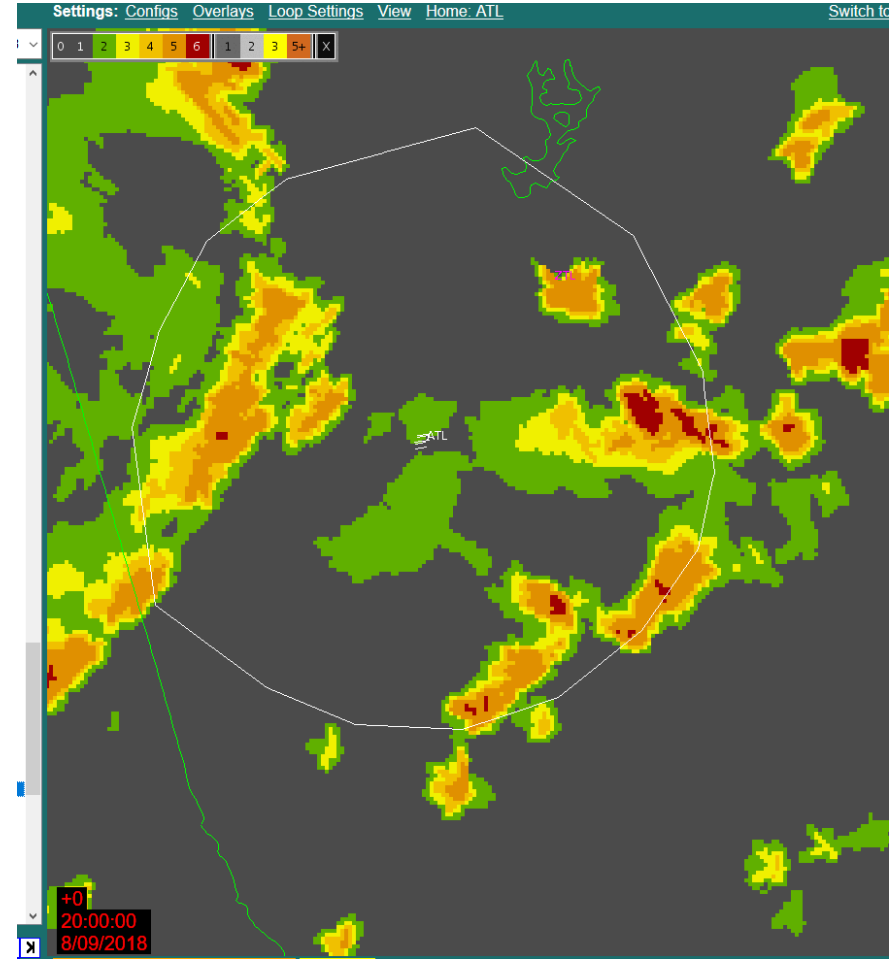


Question 3: What forecast do you use to anticipate end of event and recovery? What would you seek to do in recovery?



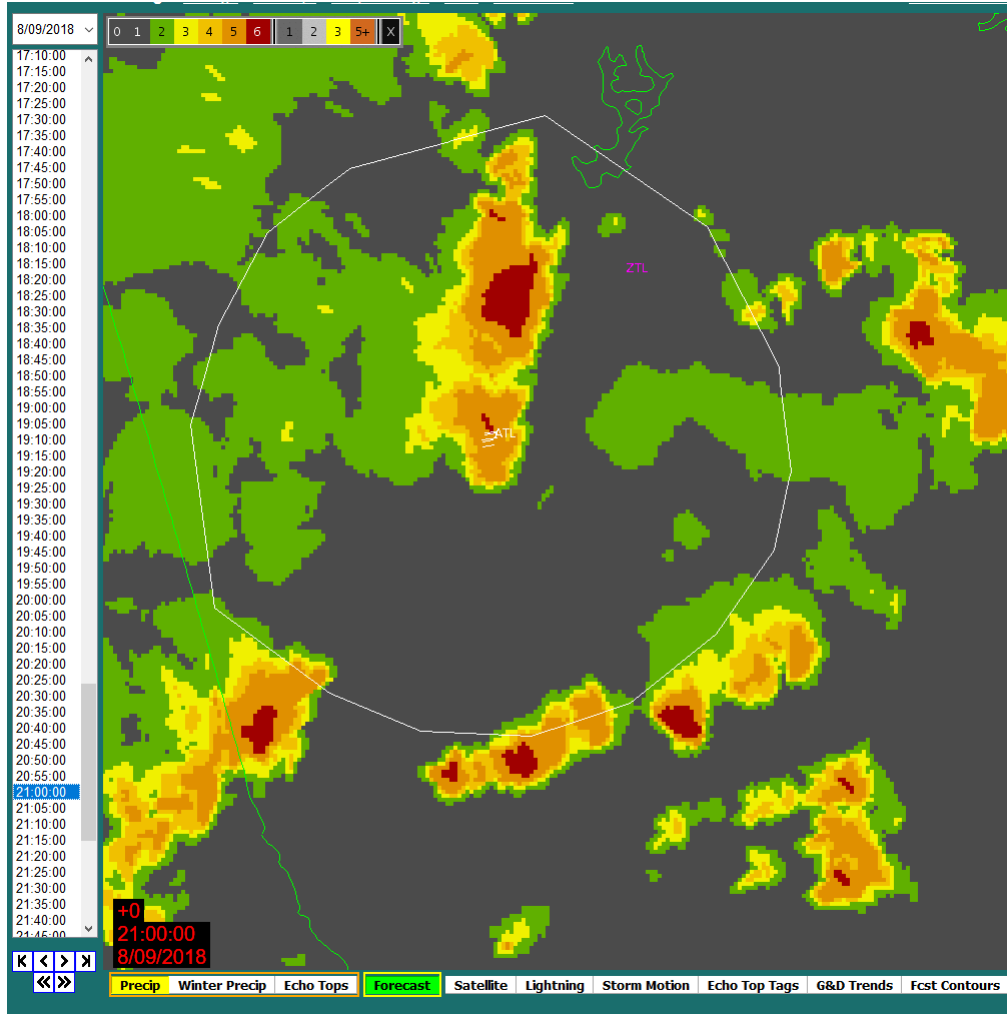
19Z (level 5/6 cell over airport)

8-9-2018

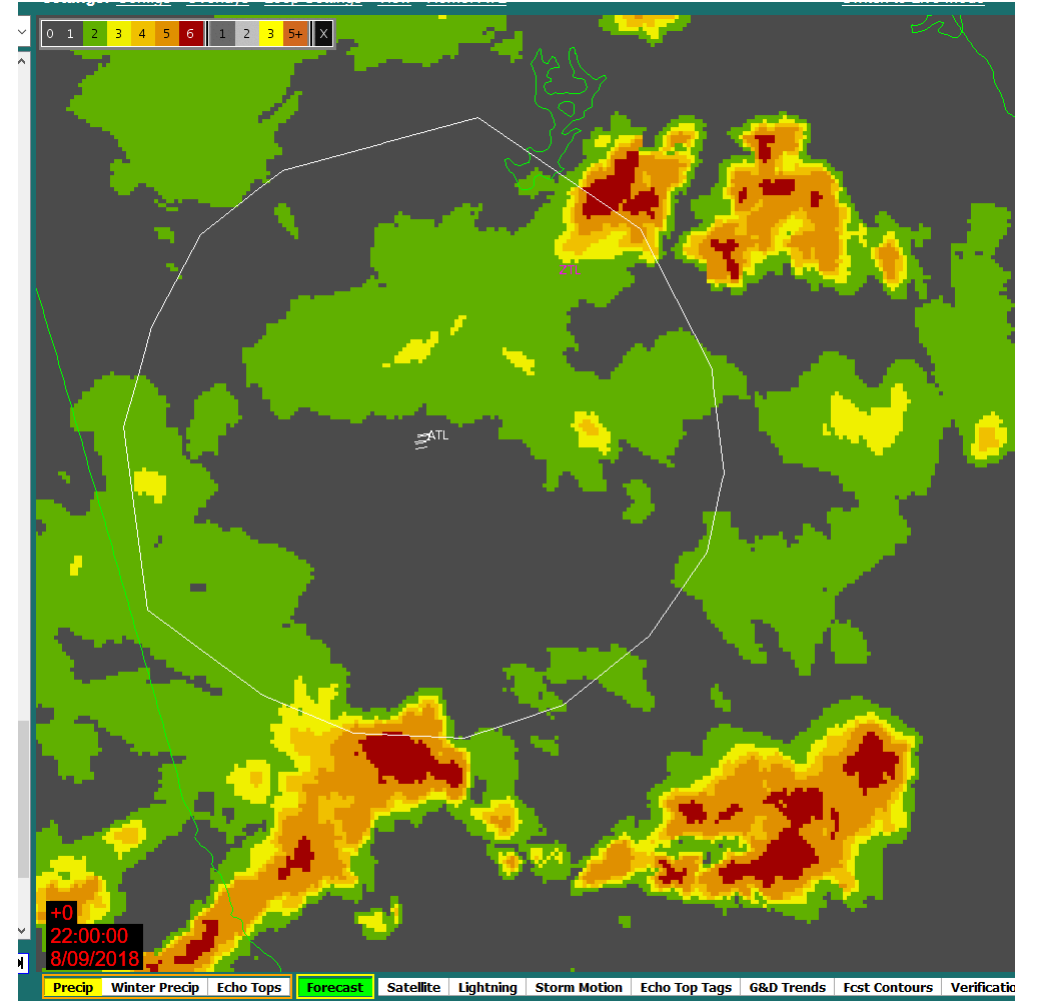


20Z

8-9-2018

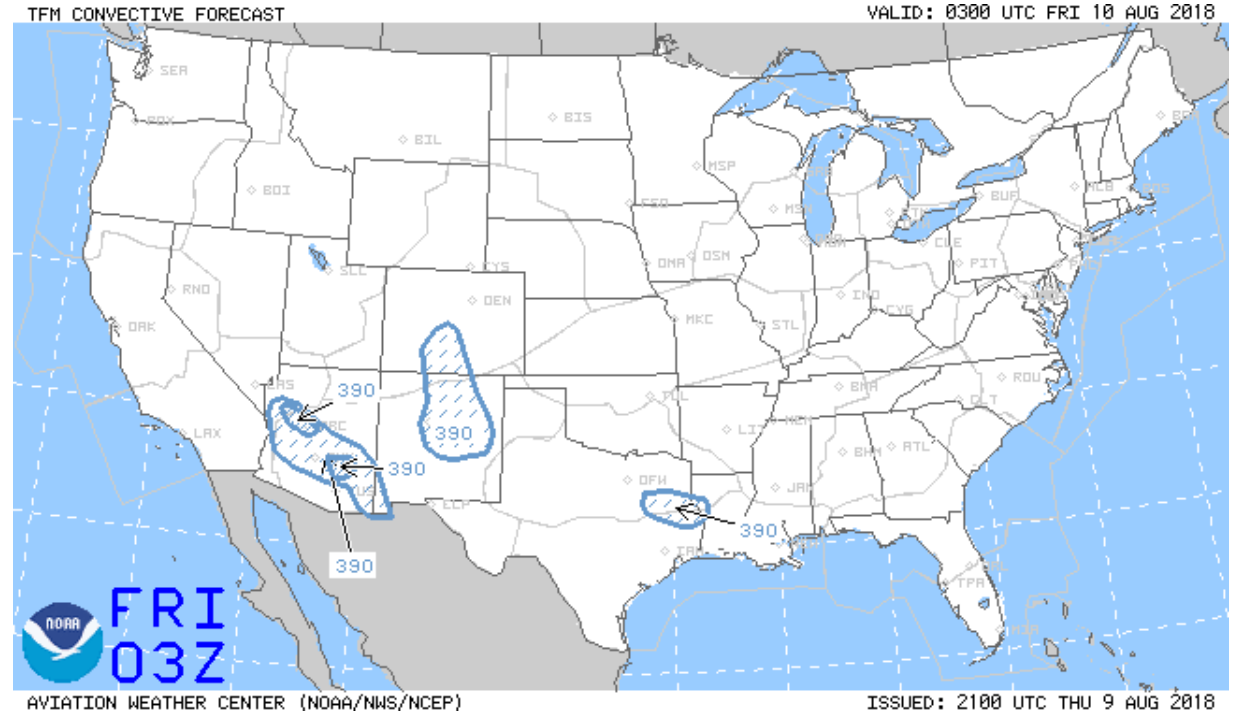
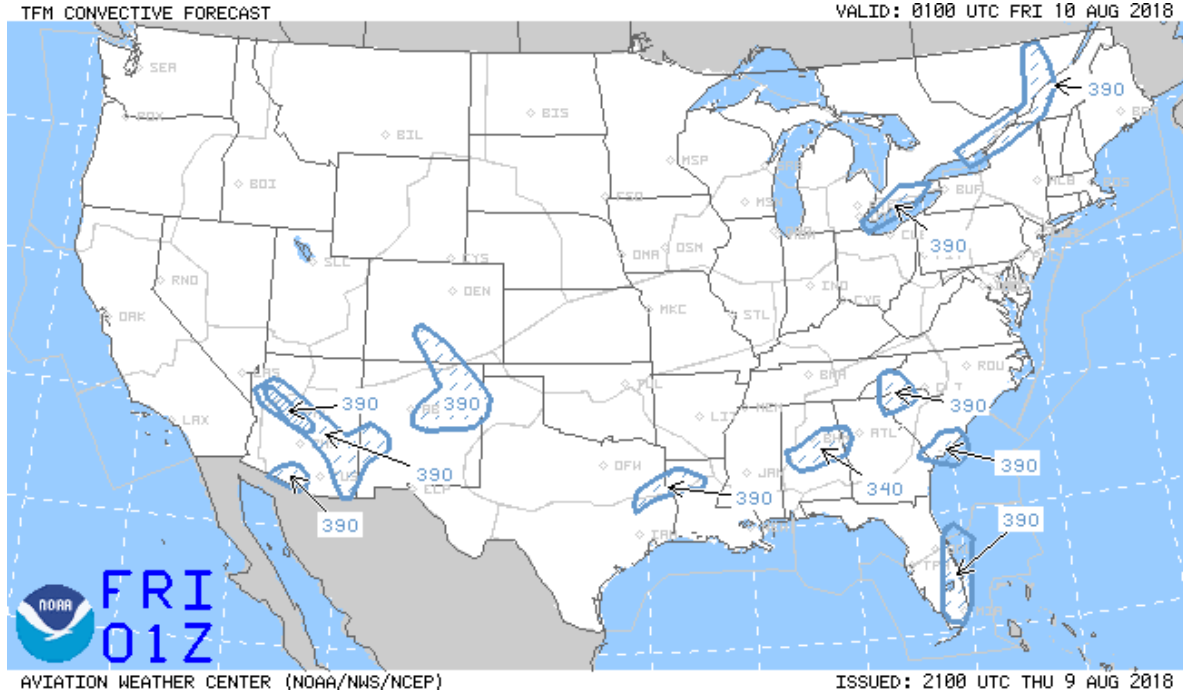


21Z

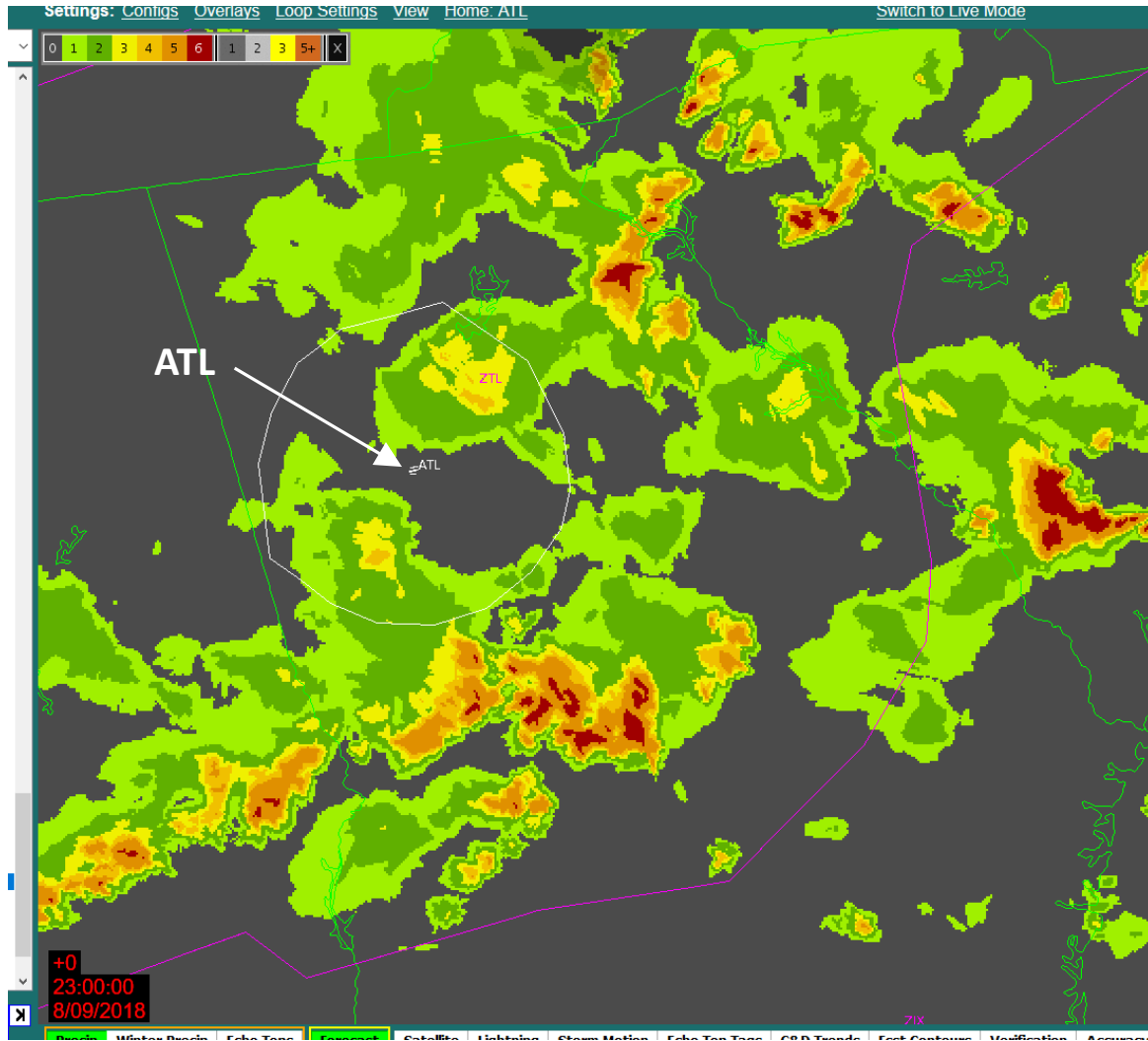


22Z

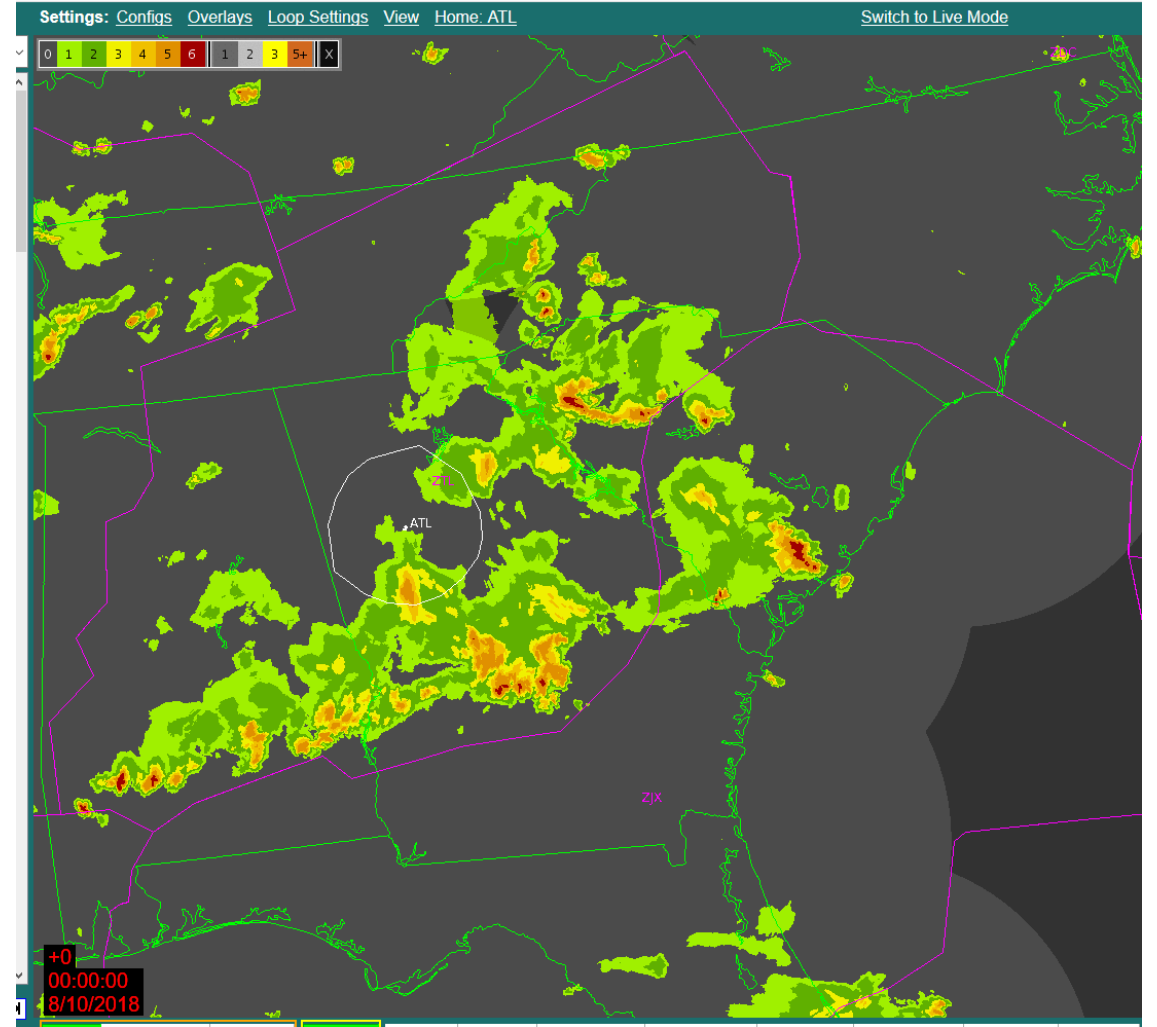
TCF issued at 23Z for 01Z and 03Z



8-9-2018



23Z



00Z on 8-10-2018 (8 pm local time)

Epilogue for Atlanta 8-9-2018

- 1. Rapid storm growth that occurred 17Z to 18Z and persisted to 22Z impacted major scheduled arrivals**
18Z to 22Z scheduled arrivals: 109 73 85 72 98
- 2. Recovery planning (including 23Z DL only GDP) recovered 113 of the 176 “missing arrivals” between 01Z and 04Z**

ATL GDPs and GS on 8-9-2018

ATL GDPs on 8-9-2018							
<u>GMT</u>	<u>Type</u>	<u>Sent</u>	<u>Effective</u>	<u>Rate</u>	<u>Reason</u>		
08/09/2018	DISTANCE 1200	09/1842	1830-0159	80/80/80/80/80/80/110	WEATHER / THUNDERSTORMS		
08/09/2018	DISTANCE 1200	09/1959	2000-0259	70/50/80/80/80/110/110	WEATHER / THUNDERSTORMS		
08/09/2018	GDP CNX	09/2247	****-2247				
08/09/2018	ALL	09/2252	2250-0259	65/65/80/80/80	WEATHER / THUNDERSTORMS		Delta flights only
08/10/2018	GDP CNX	10/0056	****-0056				
ATL ground stops on 8-9-2018							
<u>GMT Date</u>	<u>Type</u>	<u>Sent</u>	<u>Effective</u>	<u>Reason</u>			
08/09/2018	1stTier	09/1818	1804-1915	WEATHER / THUNDERSTORMS			
08/09/2018	Manual	09/1904	1852-2000	WEATHER / THUNDERSTORMS			
08/09/2018	Internal	09/2041	2030-2130	WEATHER / THUNDERSTORMS			
08/09/2018	Manual	09/2145	2131-2300	WEATHER / THUNDERSTORMS			