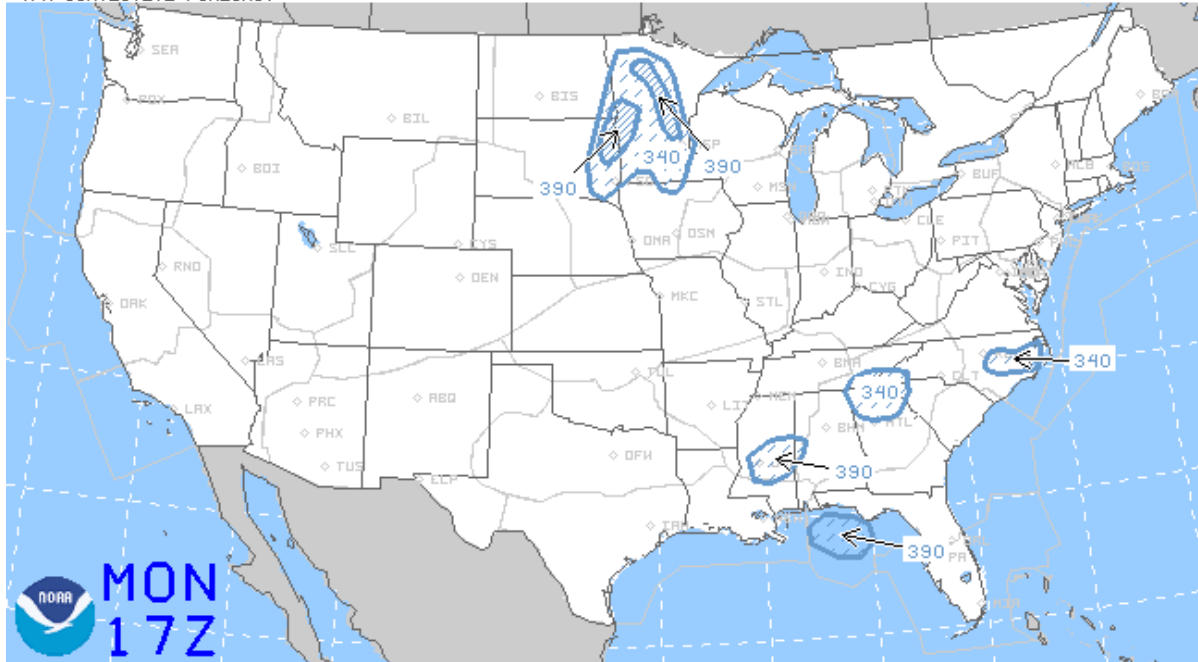


Short Synopsis of ATL 6-11-2018

- Explosive convective growth commenced in ZTL at 18Z. TCF did forecast growth at 19Z
- TRACON (A80) and ATL had extensive convection by 20Z. First TMI (ground stop) was at 2021 Z.
- GDP at 2232Z
- Airport impacts diminished by 00Z, but arrivals into ATL from east were blocked.
- Recovery of arrivals at the airport commenced by 01Z.
- Innovative approach to weather blocking arrivals: Airport operated with arrivals landing to east; departures to the west (i.e., reverse direction for arrivals and departures) at 21Z-22Z

TFM CONVECTIVE FORECAST

VALID: 1700 UTC MON 11 JUN 2018



AVIATION WEATHER CENTER (NOAA/NWS/NCEP)

ISSUED: 1300 UTC MON 11 JUN 2018

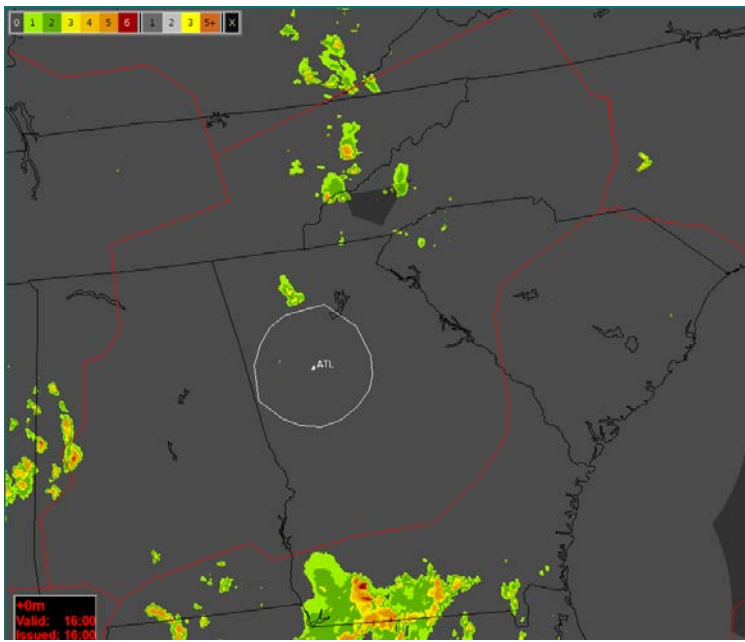
TFM CONVECTIVE FORECAST

VALID: 1900 UTC MON 11 JUN 2018



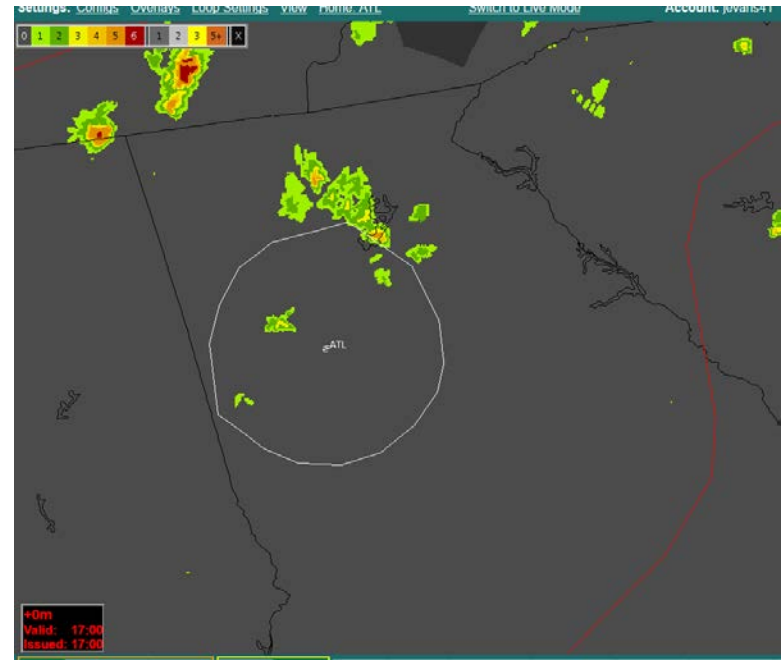
AVIATION WEATHER CENTER (NOAA/NWS/NCEP)

ISSUED: 1500 UTC MON 11 JUN 2018

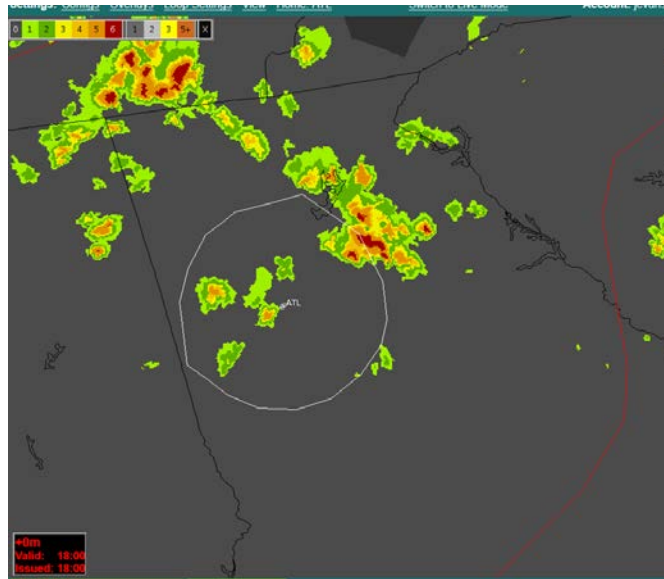


16Z

6-11-2018

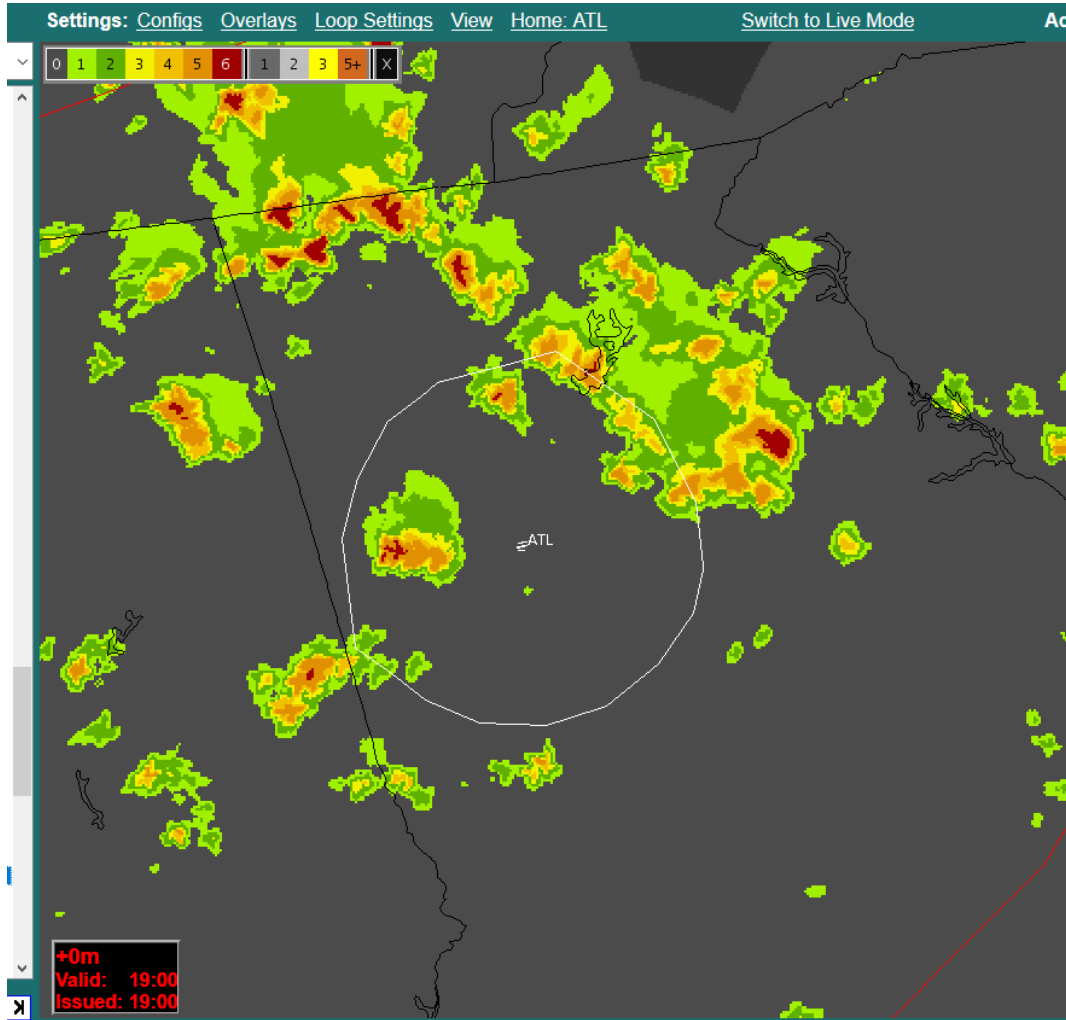


17Z

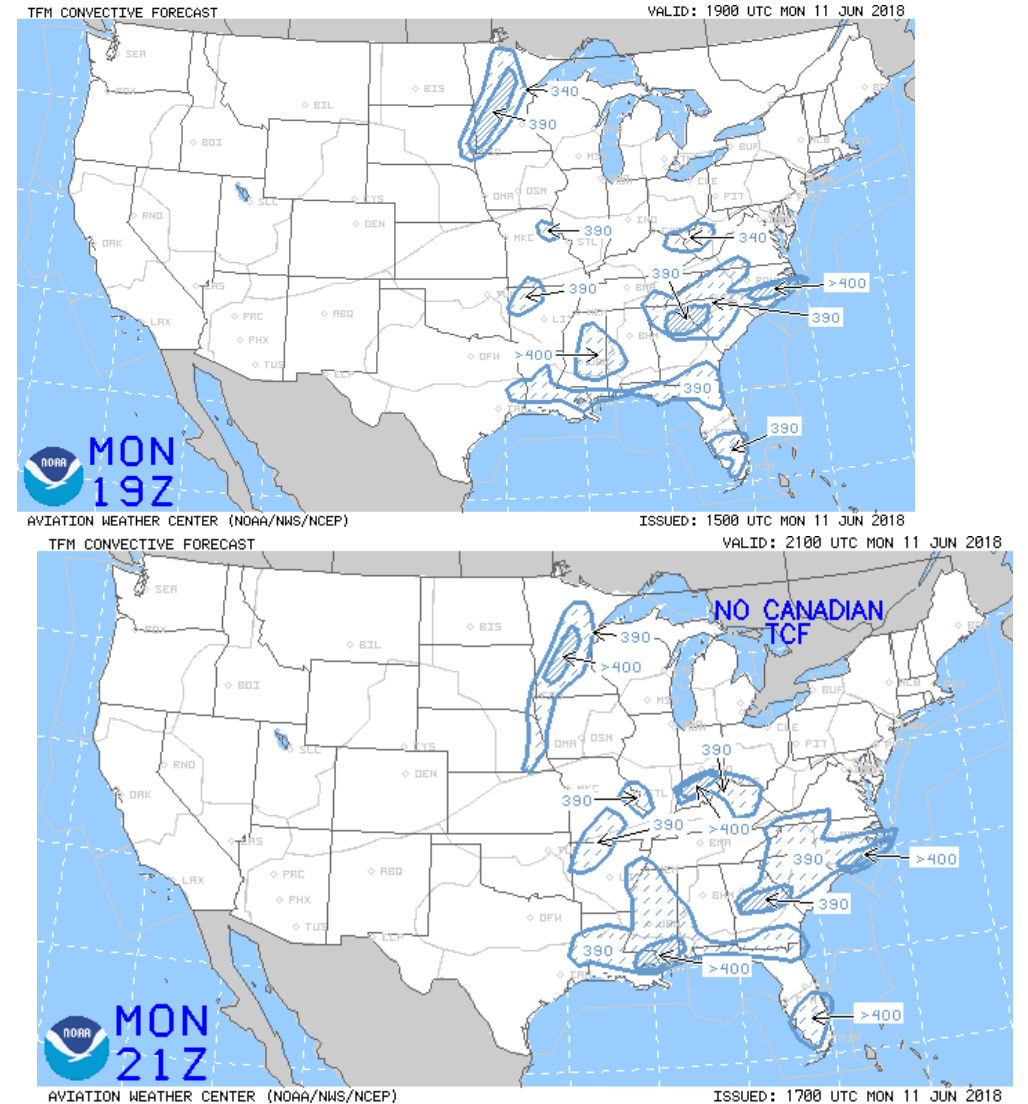


18Z

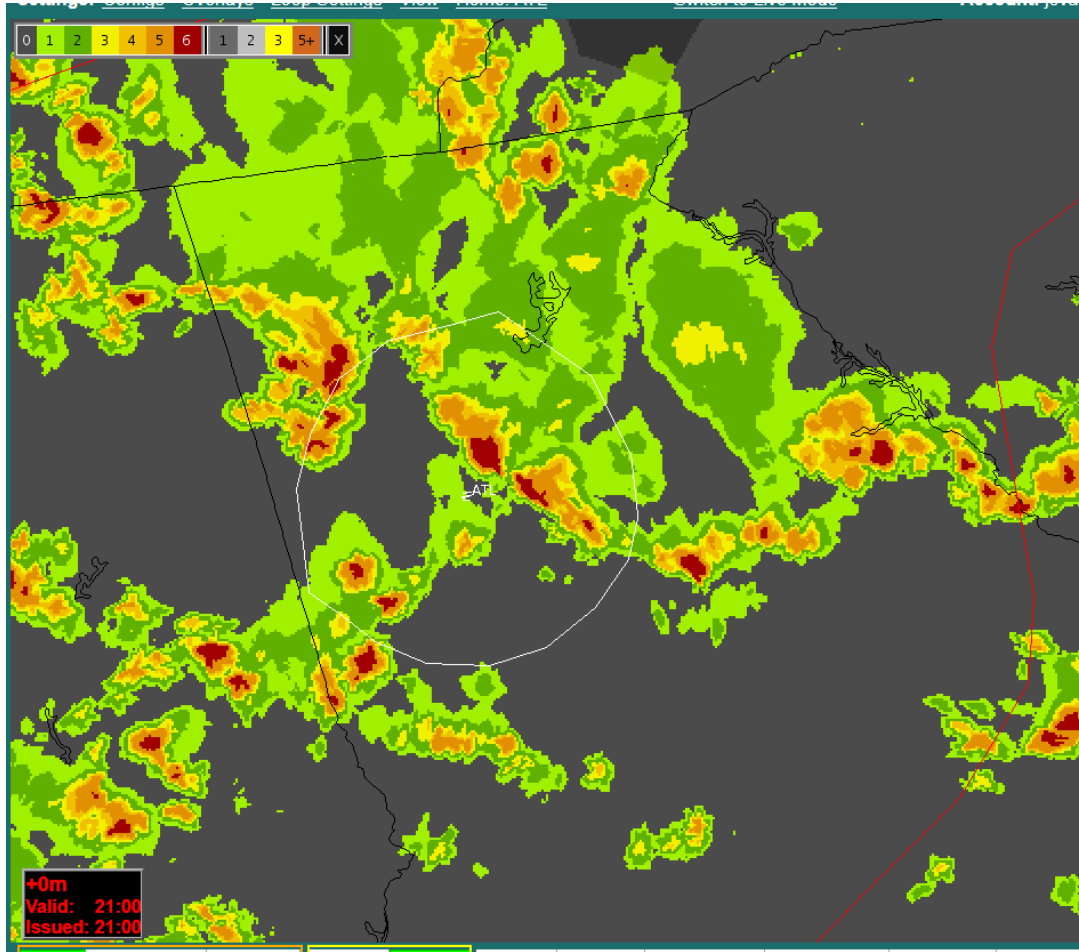
Discussion topic 1: The weather on 6-11-2018 has clearly getting much more severe. What forecasts would you use for 20z to 23Z to assess and manage impacts



19Z CIWS actual weather

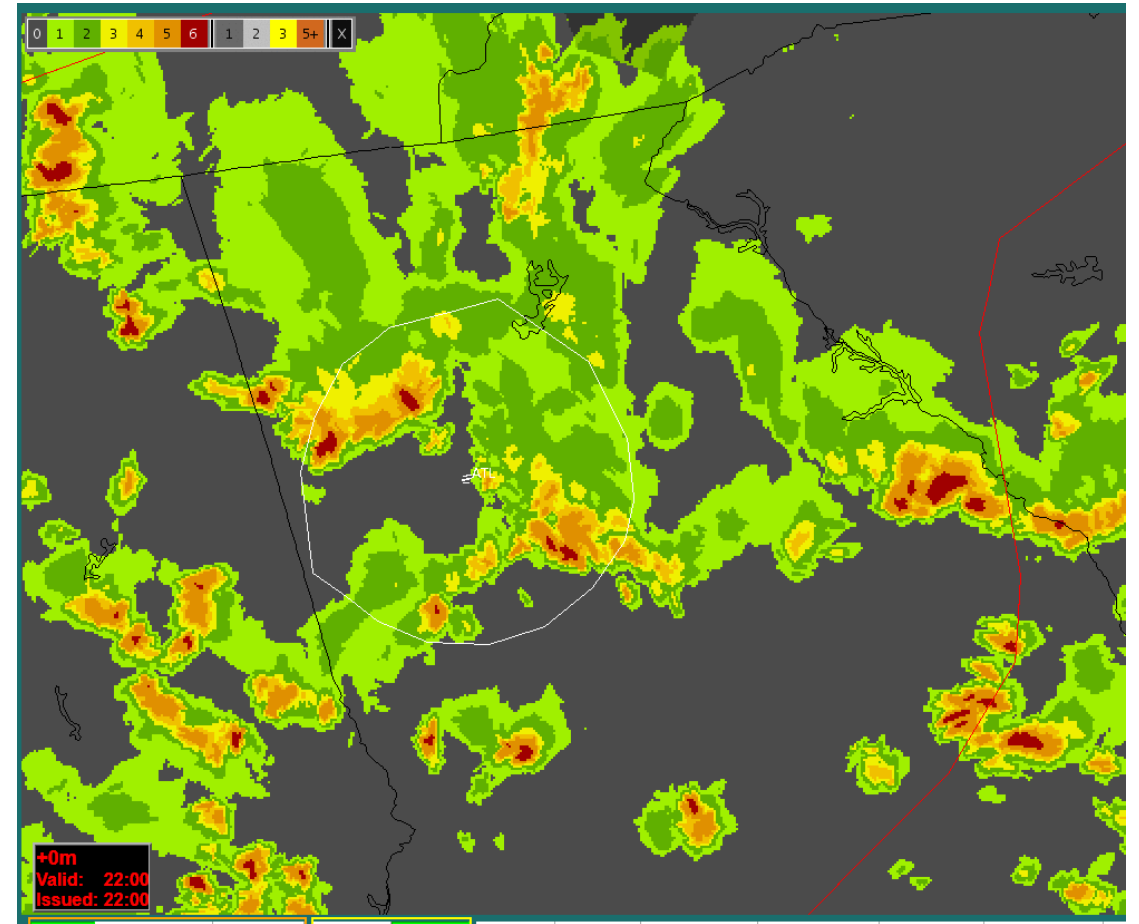


6-11-2018



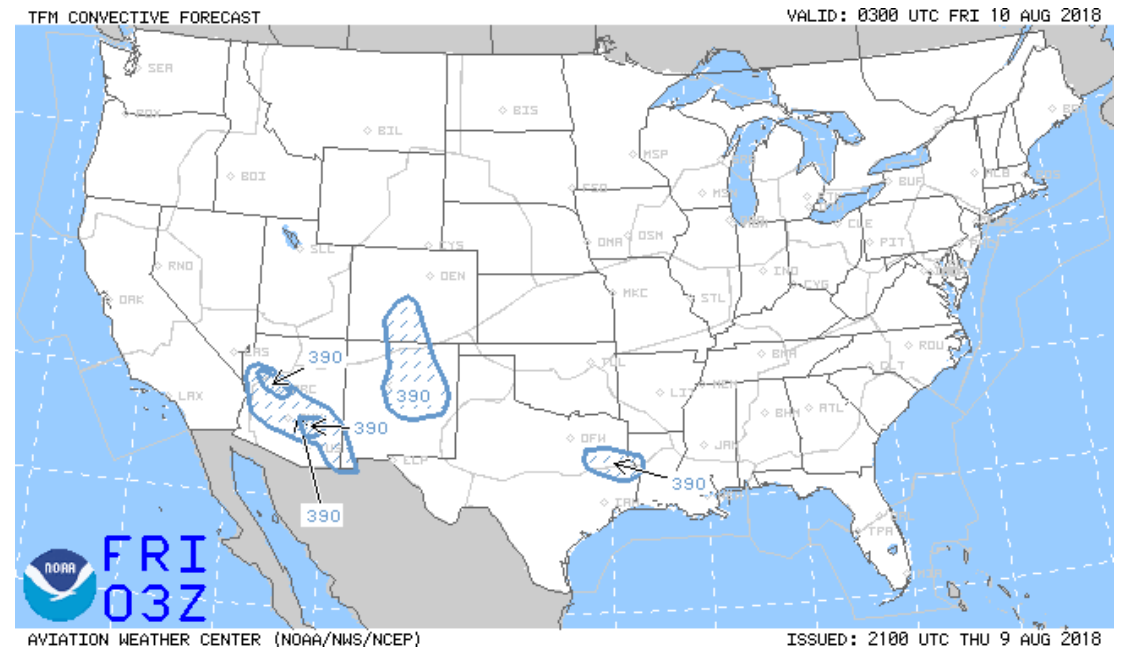
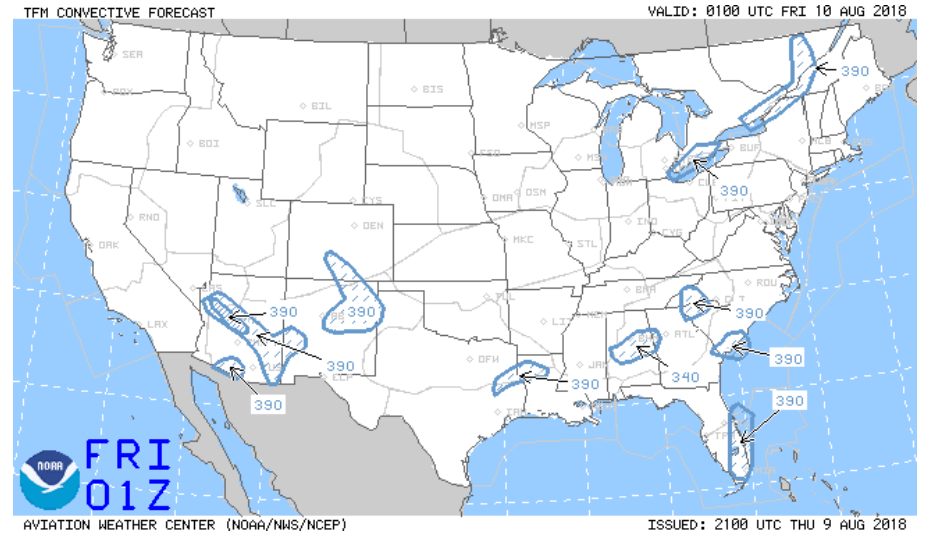
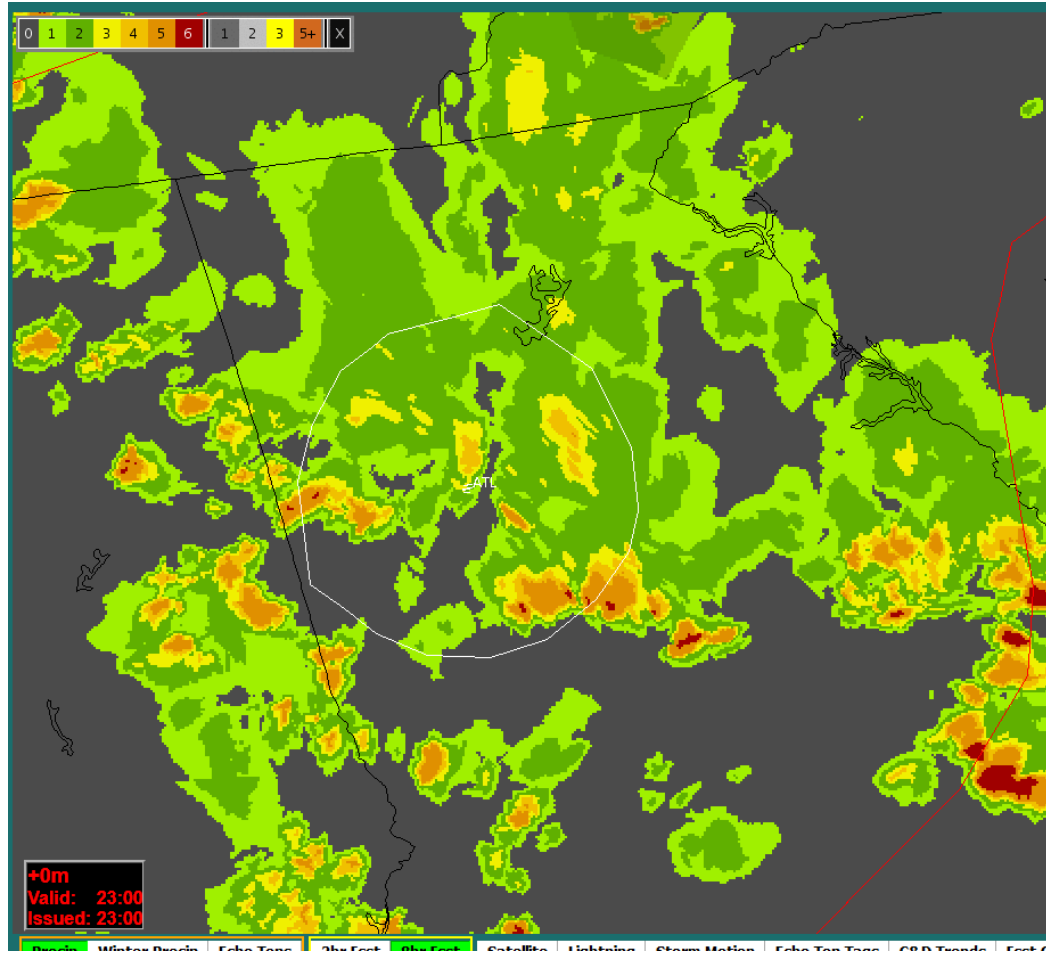
Operating arrivals from west
with departures to west

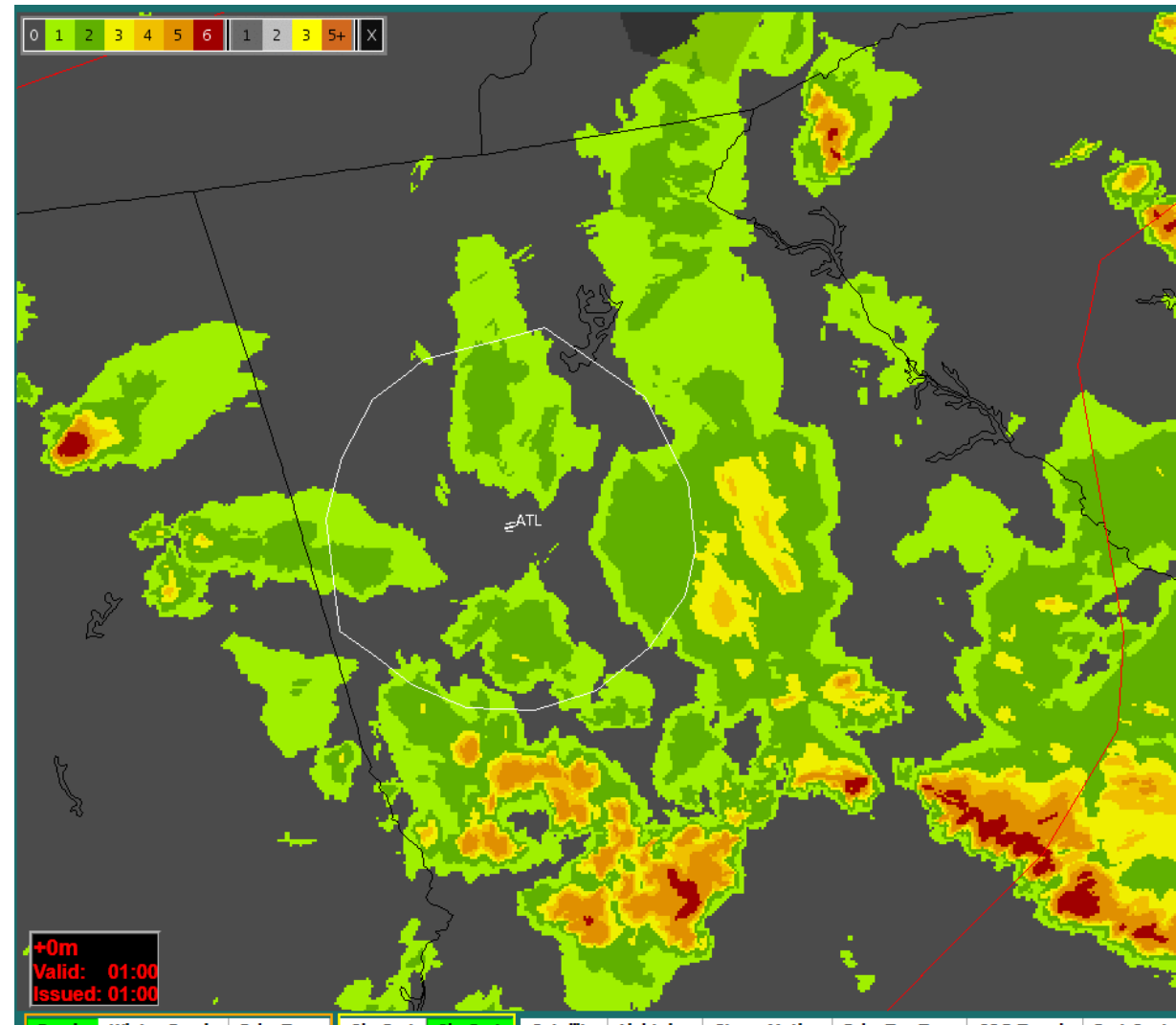
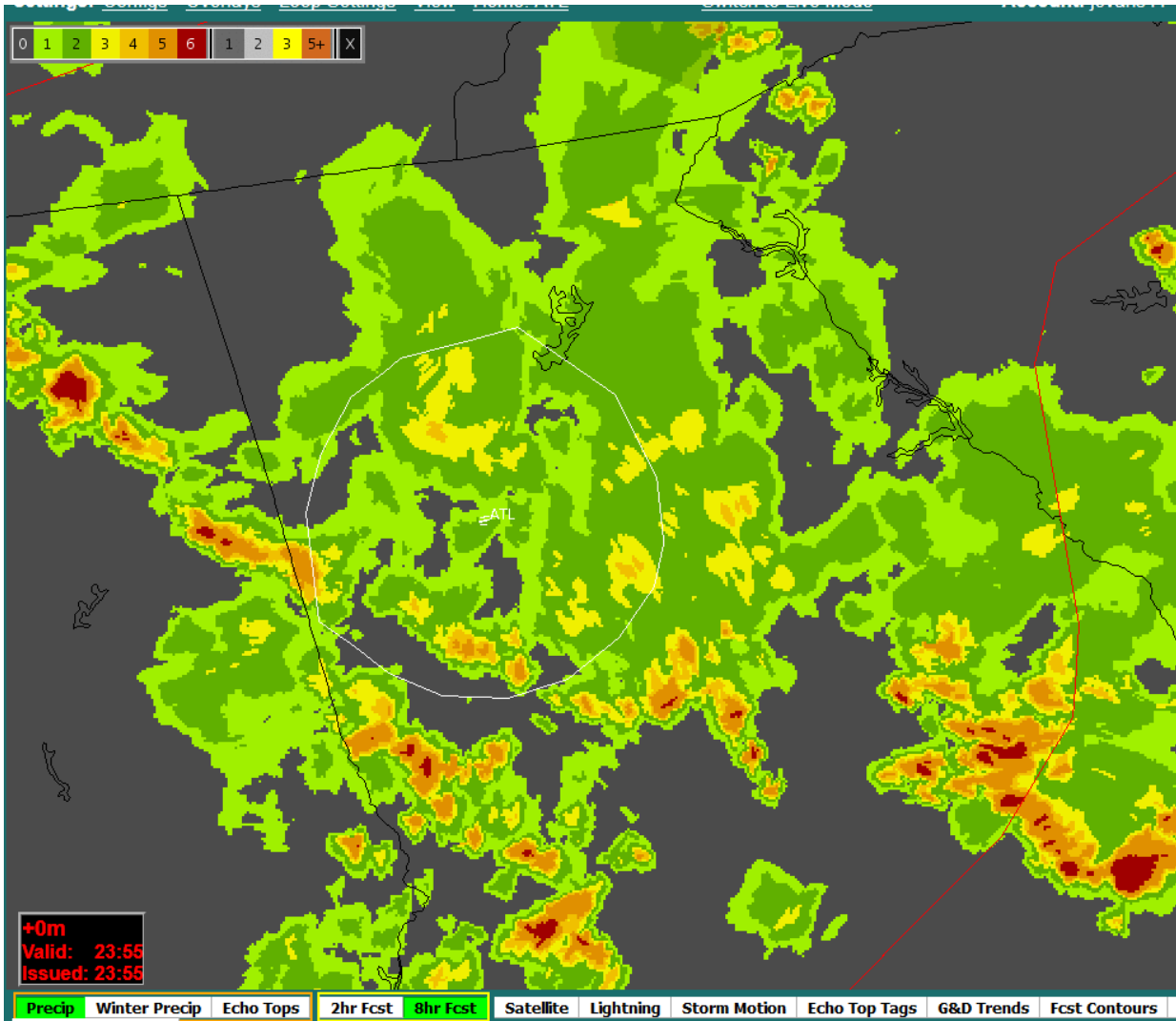
21Z



22Z

Discussion topic 2: Weather still in TRACON near airport at 23Z. What forecast(s) do you use to determine when recovery can commence





00Z and 01Z on 6-12-2018 Convection ending in TRACON

Epilogue for Atlanta 6-11-2018

1. **Rapid storm growth that occurred 21Z and persisted to 23Z impacted major scheduled arrivals**
21Z thru 23Z scheduled arrivals 69 84 80
21Z thru 23Z actual arrivals: 31 50 38
2. **Recovery 01Z through 03Z landed nearly all the “missing arrivals”**
3. **GDP starting at 2232Z appears to have been designed to control arrivals between 2232 and 2400Z and then organize the recovery to 24Z**
4. **Actual recovery was much more robust than the GDP rate (80)**
Actual arrivals per hour for 01Z through 03Z: 95 103 95

ATL GDPs and GS on 8-9-2018

Atlanta GDPs 6-11-2018						
<u>GMT Date</u>	<u>APT</u>	<u>Type</u>	<u>Sent</u>	<u>Effective</u>	<u>Rate</u>	<u>Reason</u>
06/11/2018	ATL	DISTANCE 1000	11/2238	2232-0359	57/58/80/80/80/80	WEATHER / THUNDERSTORMS
06/12/2018	ATL	GDP CNX	12/0016	****-0016		
Atlanta GSs 6-11-2018						
<u>GMT Date</u>	<u>APT</u>	<u>Type</u>	<u>Sent</u>	<u>Effective</u>	<u>Reason</u>	
06/11/2018	ATL	1stTier	11/2042	2027-2145	WEATHER / THUNDERSTORMS	
06/11/2018	ATL	Manual	11/2050	2037-2145	WEATHER / THUNDERSTORMS	
06/11/2018	ATL	Manual	11/2142	2125-2245	WEATHER / THUNDERSTORMS	