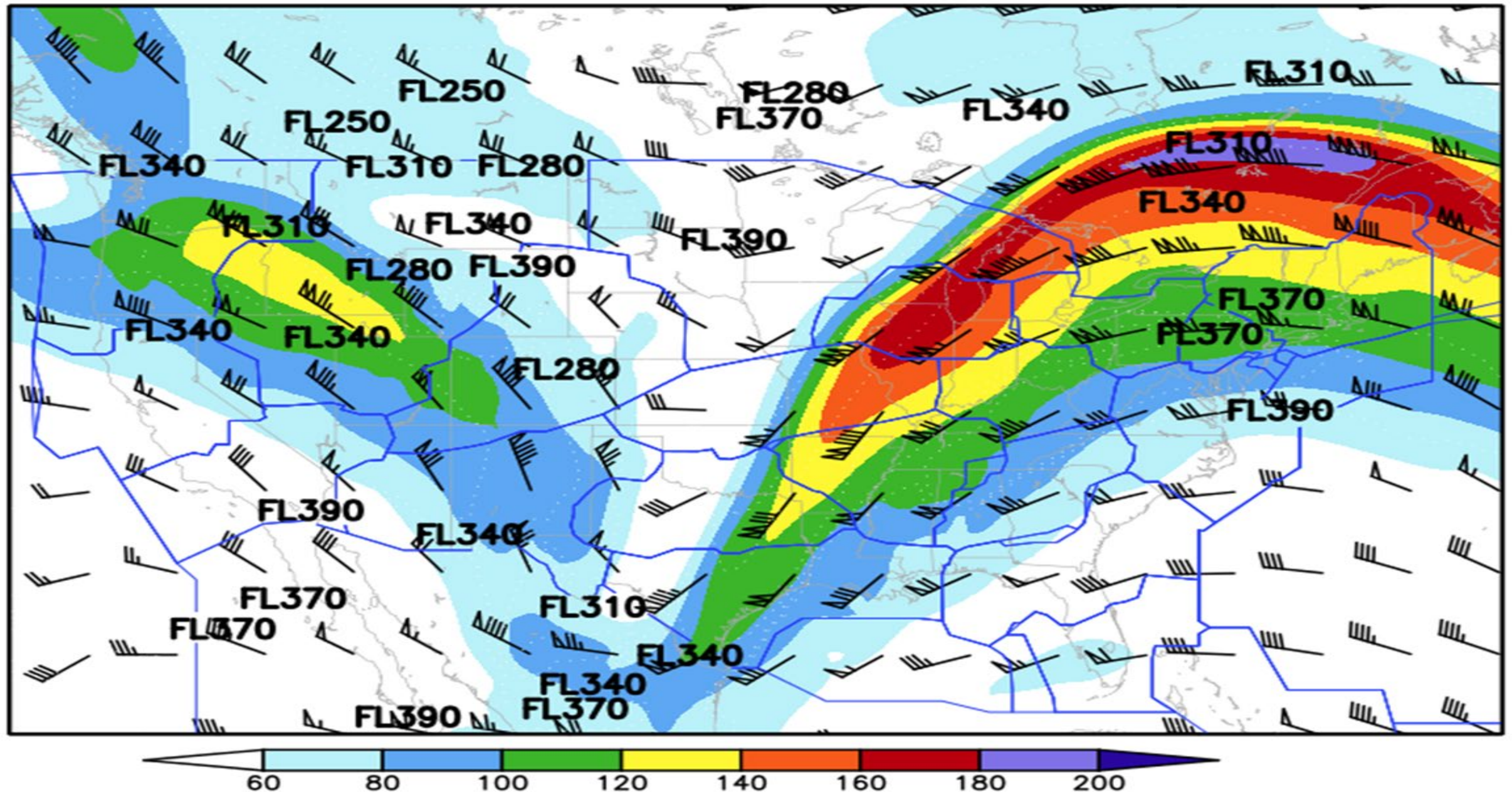


# January 23 2019 Severe Turbulence over ZAU

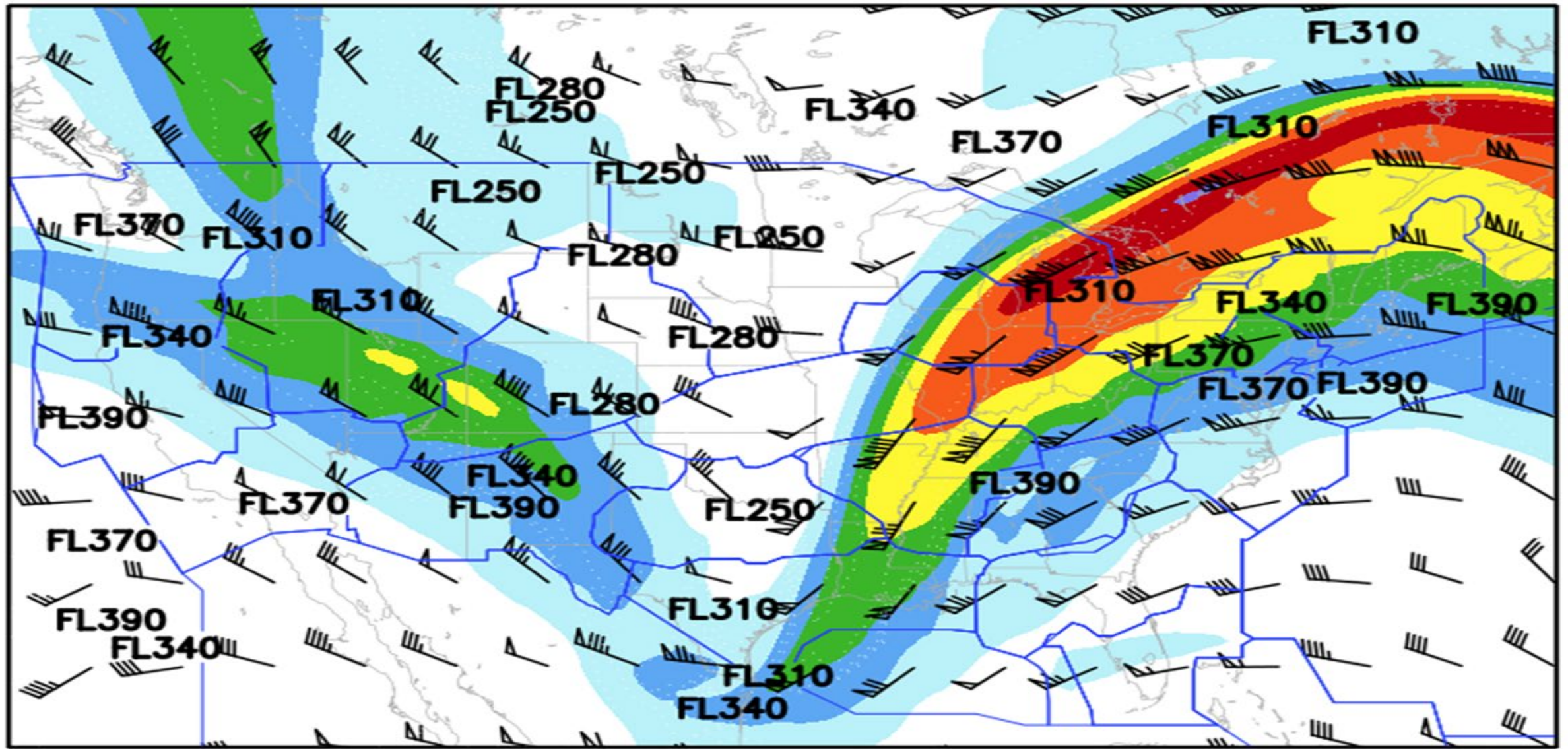
- 175KT SWerly Jet moved from west to east across ZAU.
- Strongest shear zone 400-300mb with Bulk Shear Magnitude (90-115kts), which was also straddled by strong shear zones at 500-400mb and 300-200mb. ( Severe turb reports between FL190-FL280 )
- Numerous Continuous Moderate reports 155-FL400 and **20 Severe Turbulence** reports FL190-FL280 within ZAU between 15-02Z.
- Turbulence resulted in significant impacts to ORD arrivals & departures

1535	IOW 110010	240-280	BE40	MOD-SEV TURB
1750	JVL 270030	230	777	MOD-SEV TURB, mod/greater 210-290
1752	CID 100020	282	PC24	MOD-SEV TURB
1825	HLV030008	270	777	SEV TURB (NE MO)
2116	UIN 020030	190-210	BE20	SEV CAT
2151	SPI	190-200	LJ45	MOD-SEV TURB
2156	IKK	230	E75L	MOD-OCNL SEV TURB
2209	JOT 280050	230-280	A321	CONT MOD-SEV TURB
2211	JOT 350045	240	A319	CONS MOD OCNL SEV TURB
				ORD WEST DEPT
2225	PNT 270014	240	737	SEV TURB
2243	OBK	250	CRJ9	SEV TURB
2328	BAE	230-260	CRJ9	SEV TURB
2343	RFD100035	240-260	DC10	MOD OCNL SEV TURB
0008	DNV	190	A319	MOD-SEV TURB
0041	BAE 090050	270-280	767	SEV CAT, MOD 220-290
0146	GIJ 300015	230-260	E170	MOD-SEV CHOP
0148	IKK	190-240	737	SEV TURB
0205	EON 090015	190-255	A320	SEV TURB
0205	IKK	190-260	747	SEV TURB
0204	IKK	190-260	737	SEV TURB

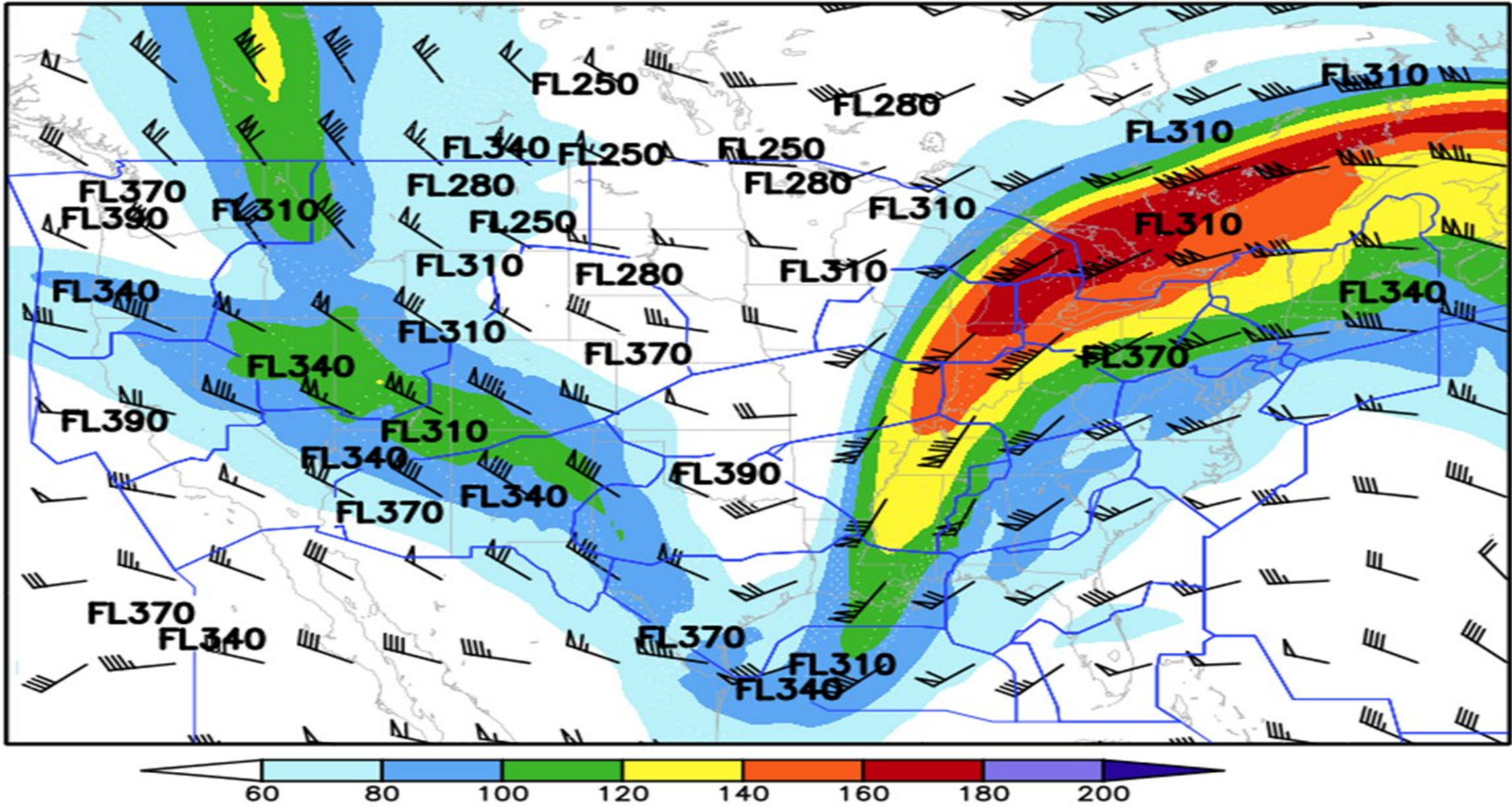
Jet Stream Forecast: valid 18Z23JAN2019 (Wed)

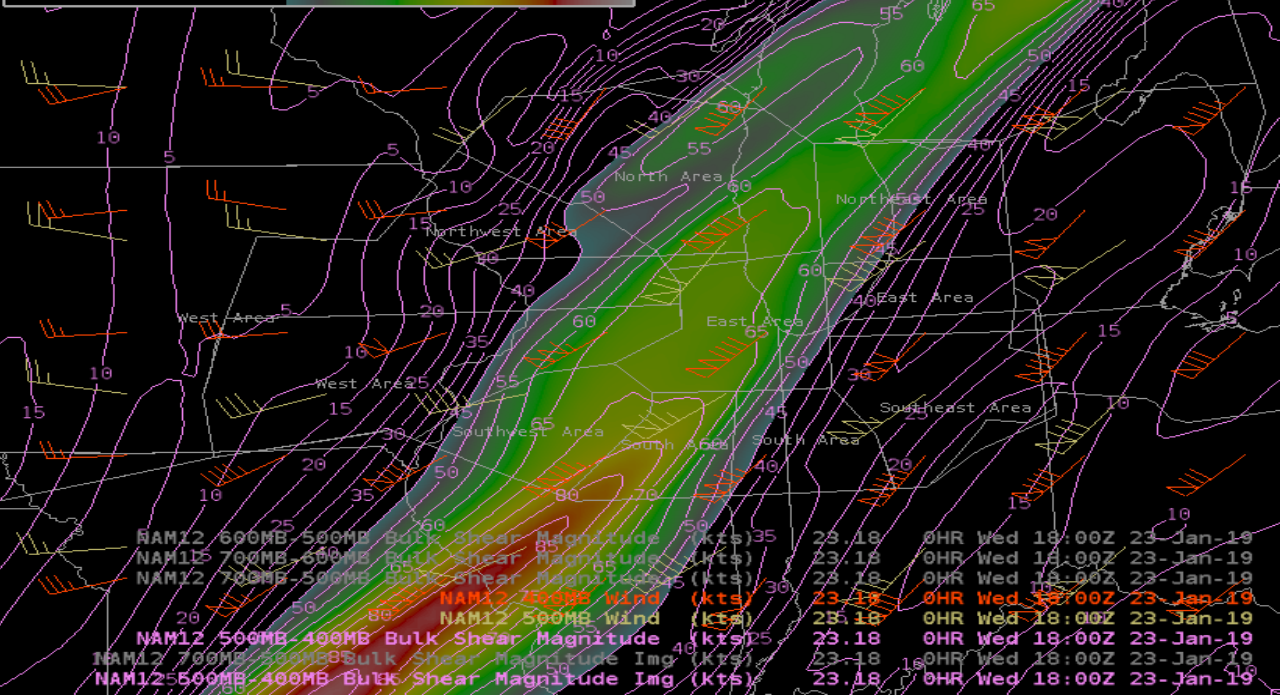
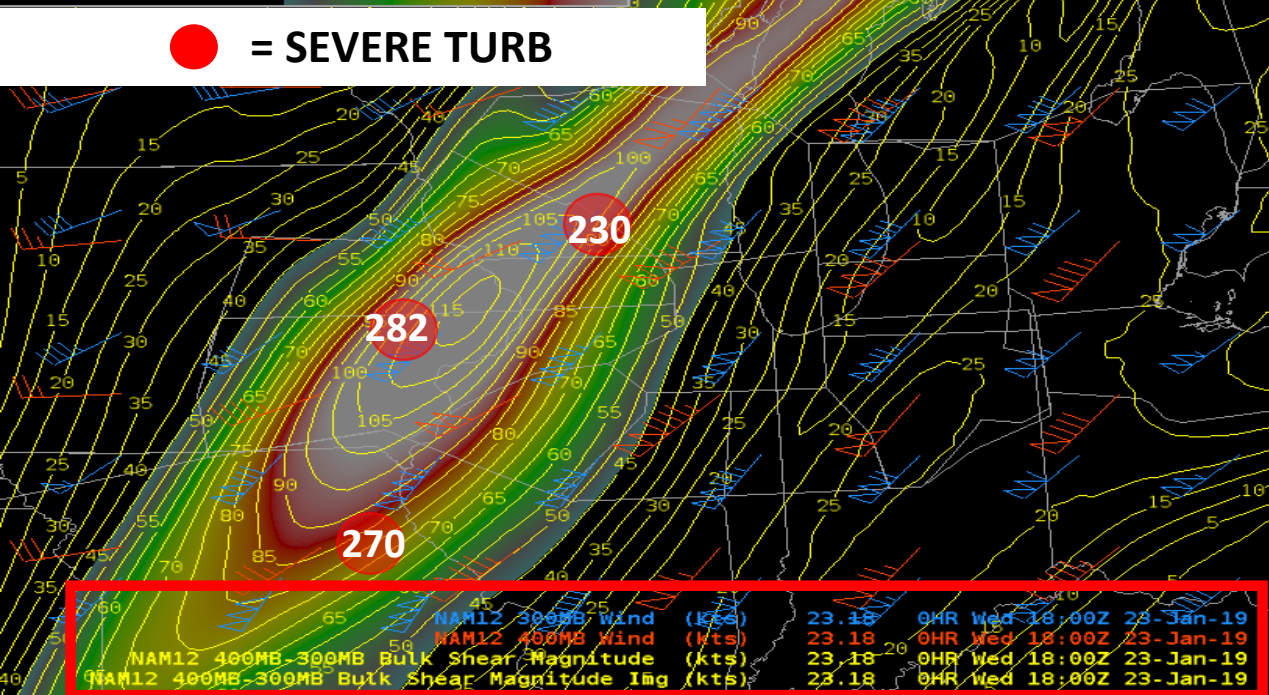
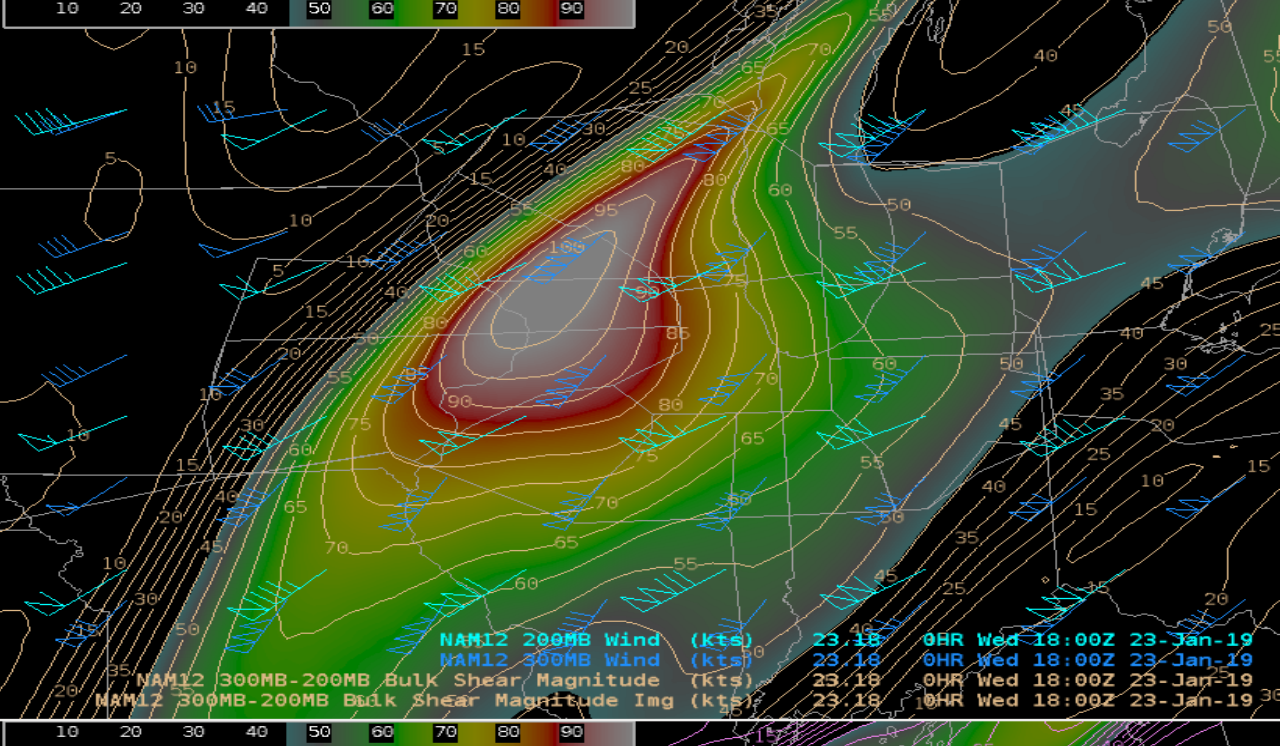
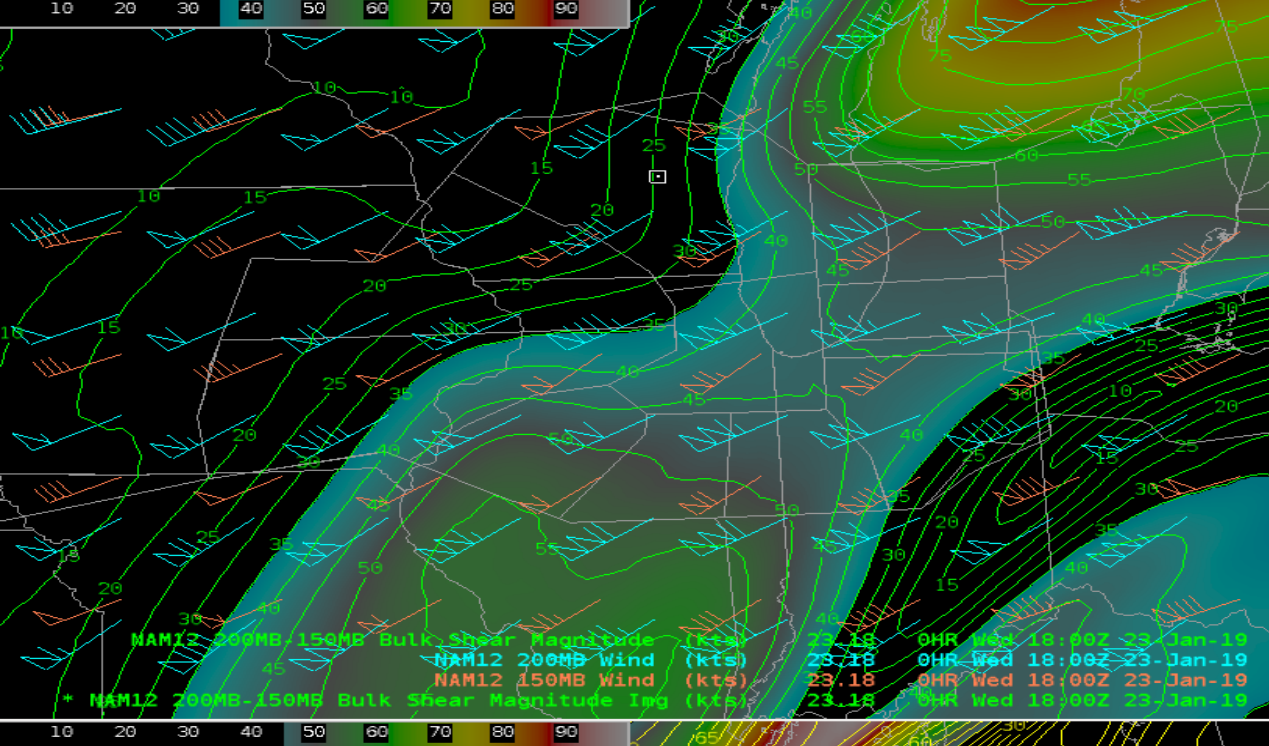


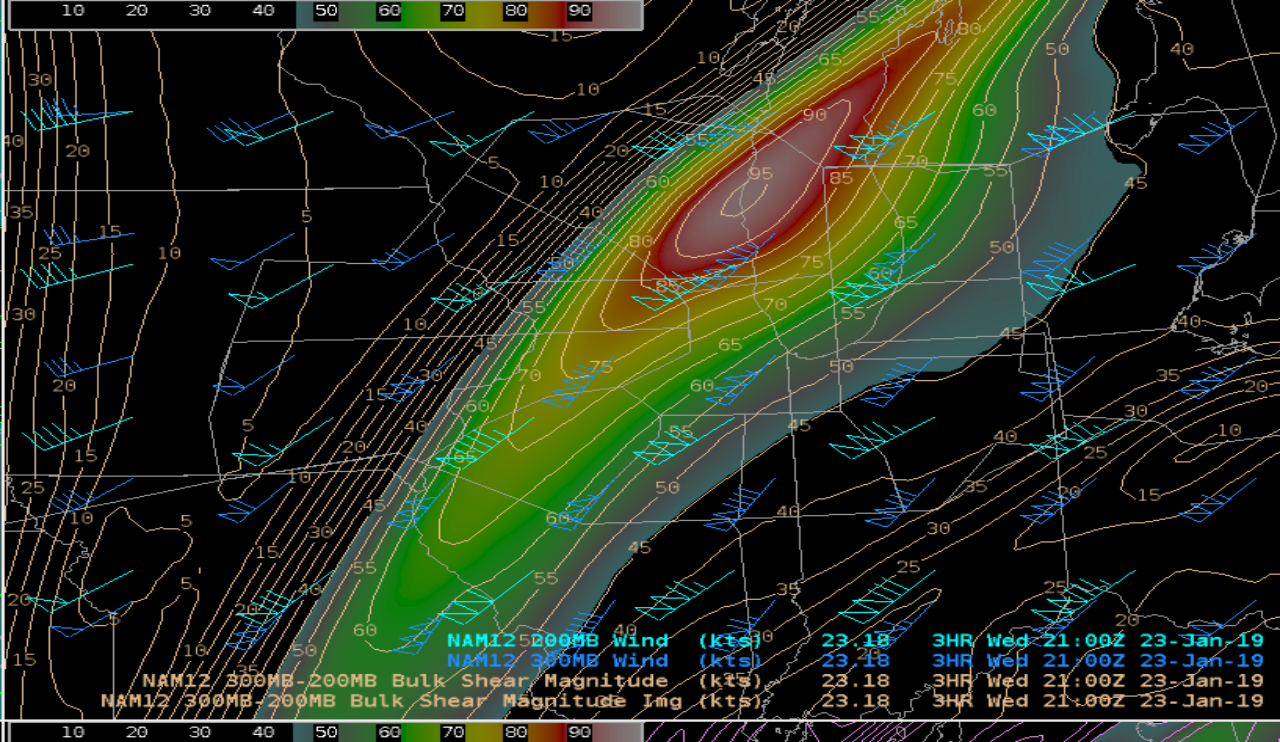
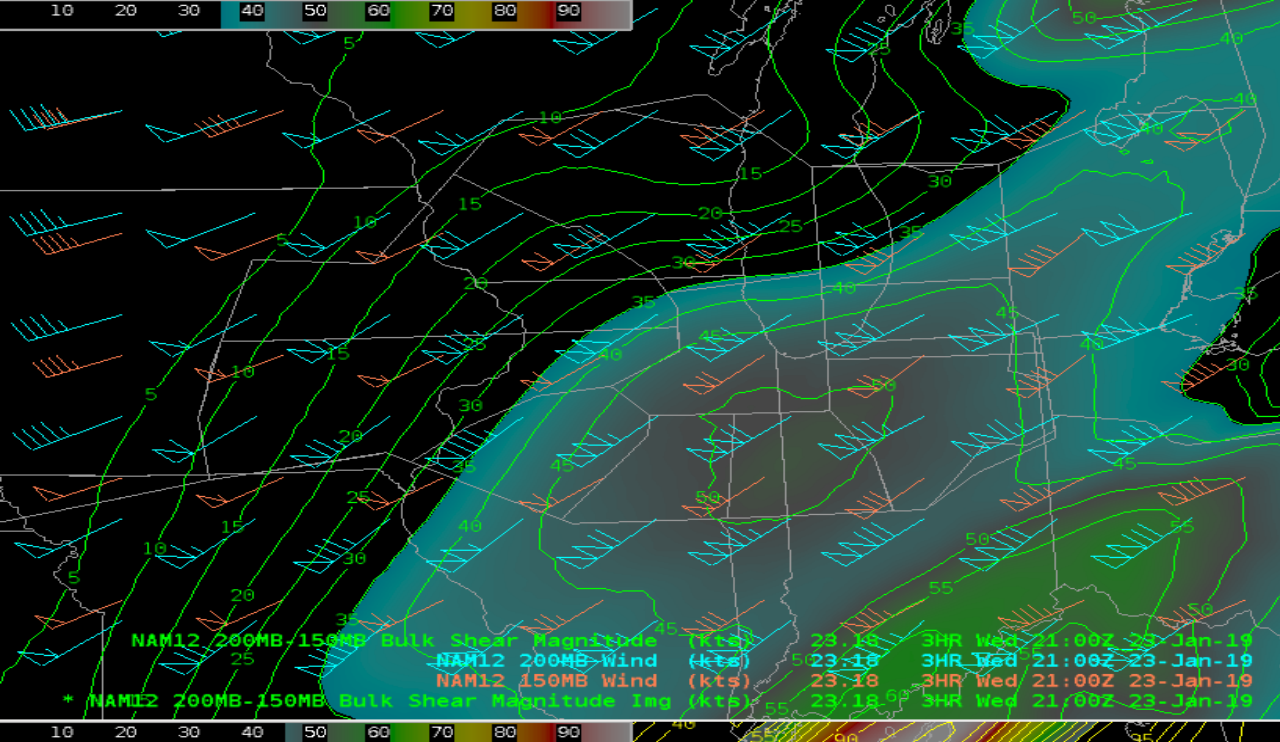
Jet Stream Forecast: valid 00Z24JAN2019 (Thu)



Jet Stream Forecast: valid 03Z24JAN2019 (Thu)

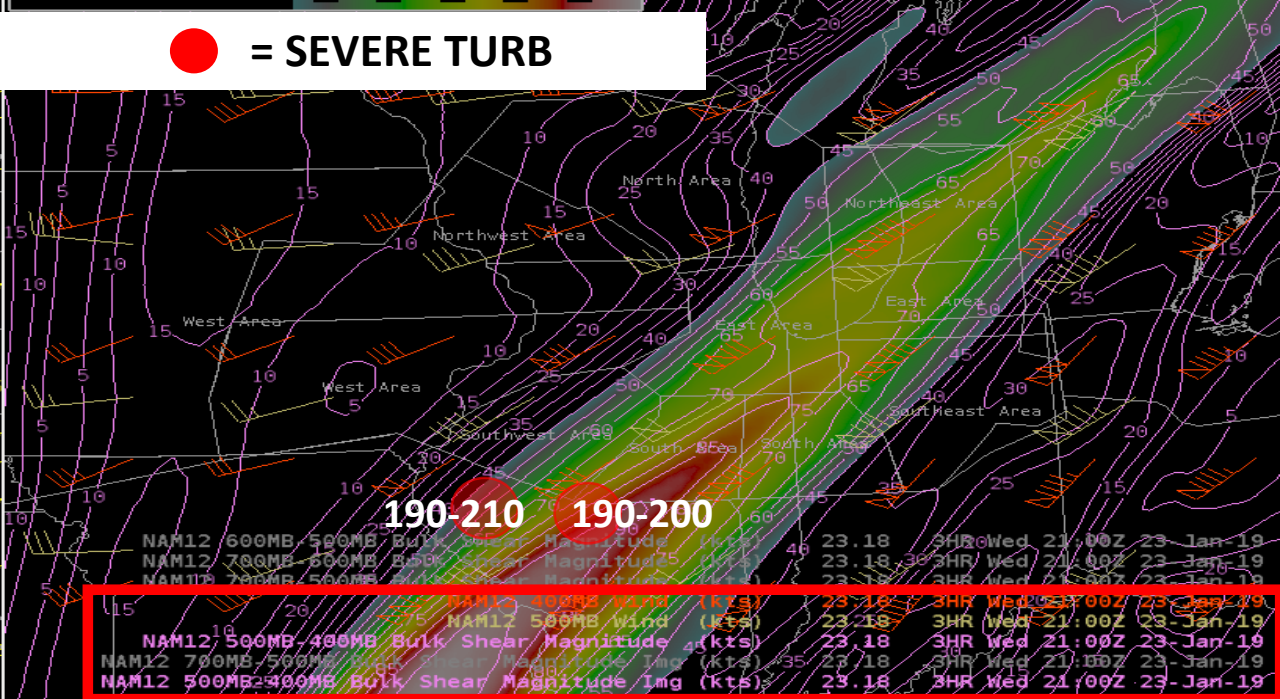
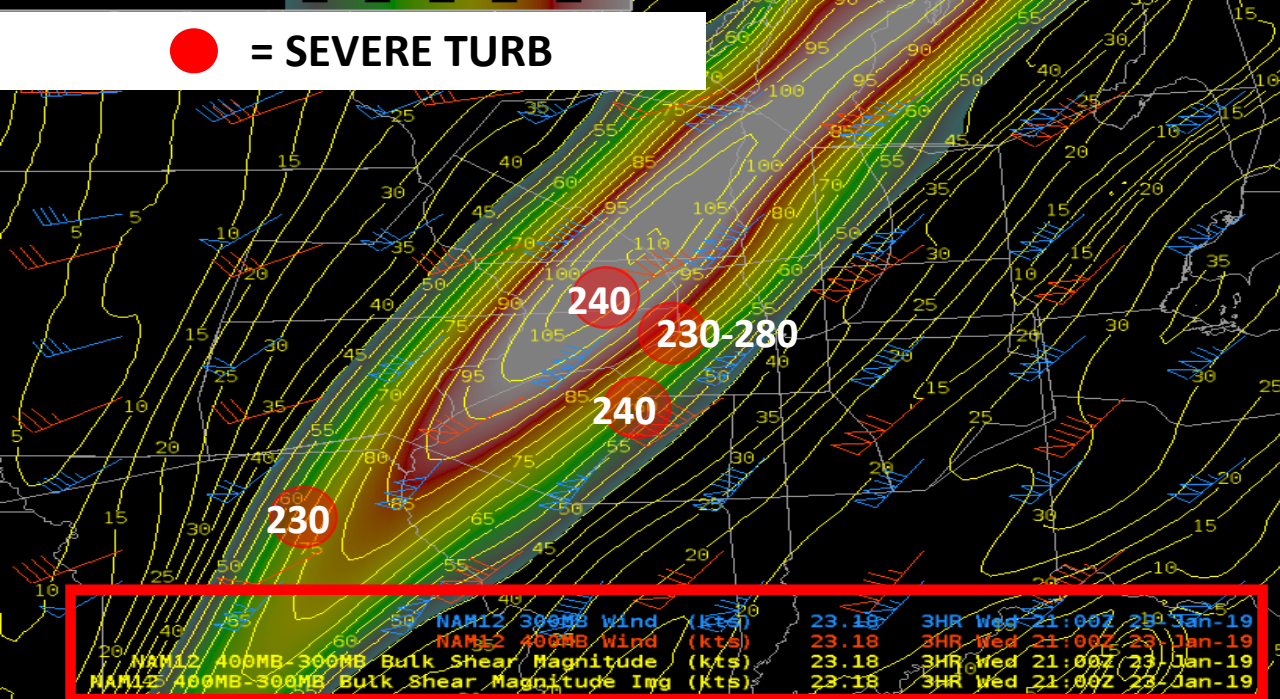


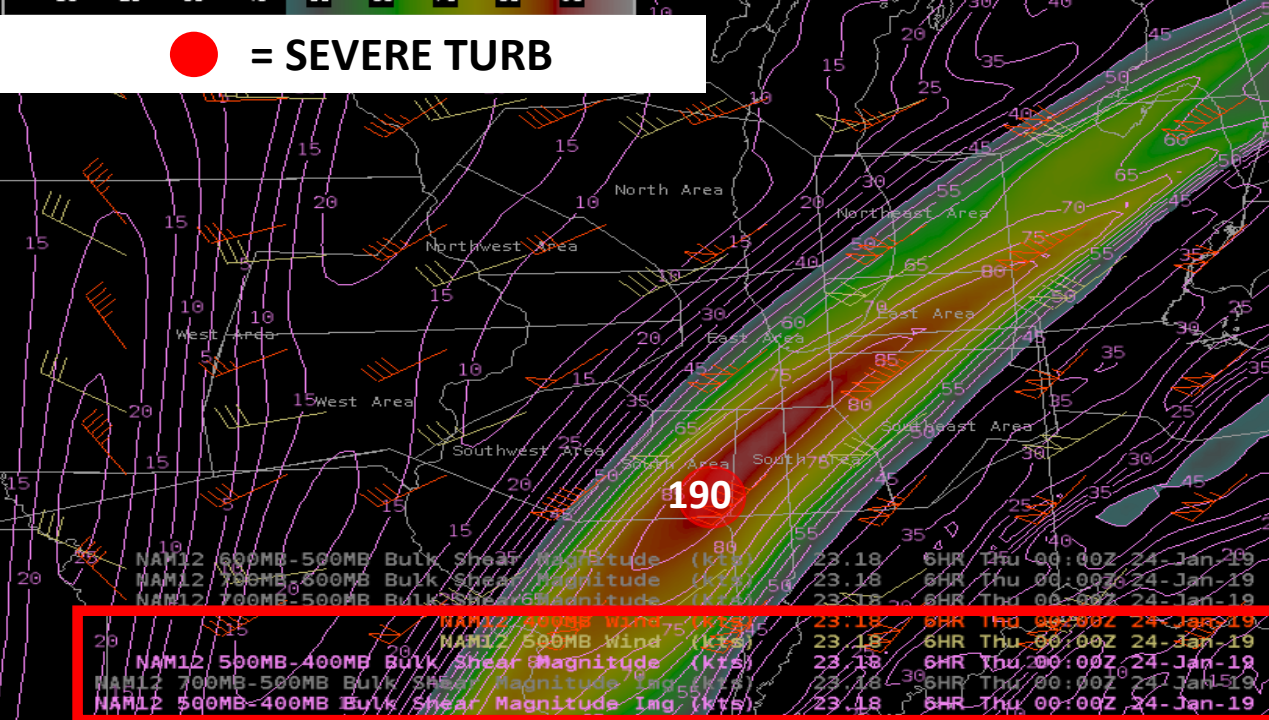
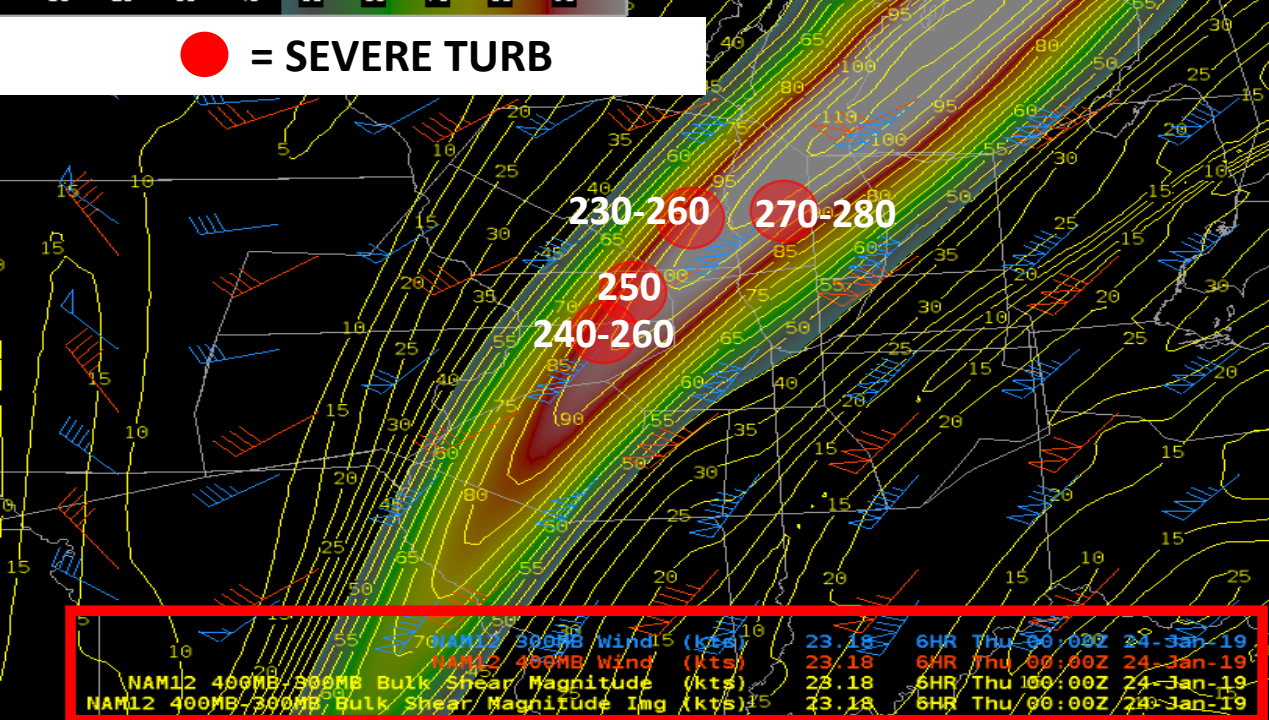
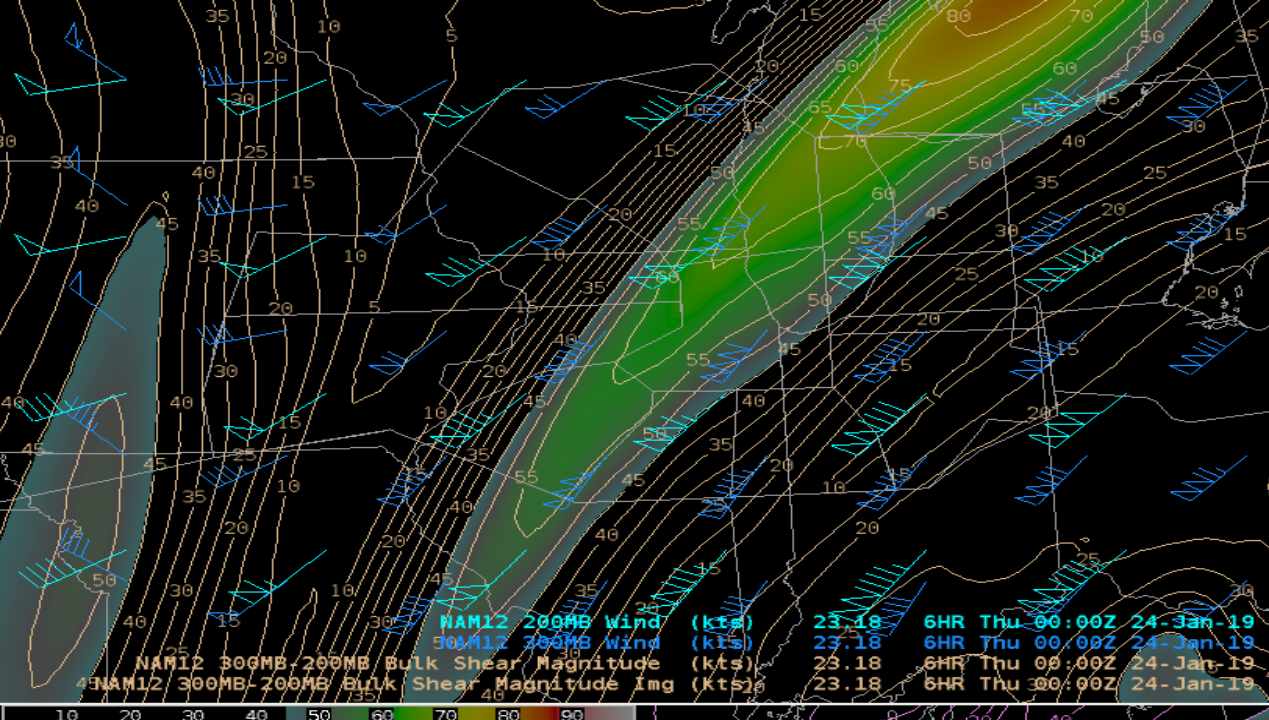
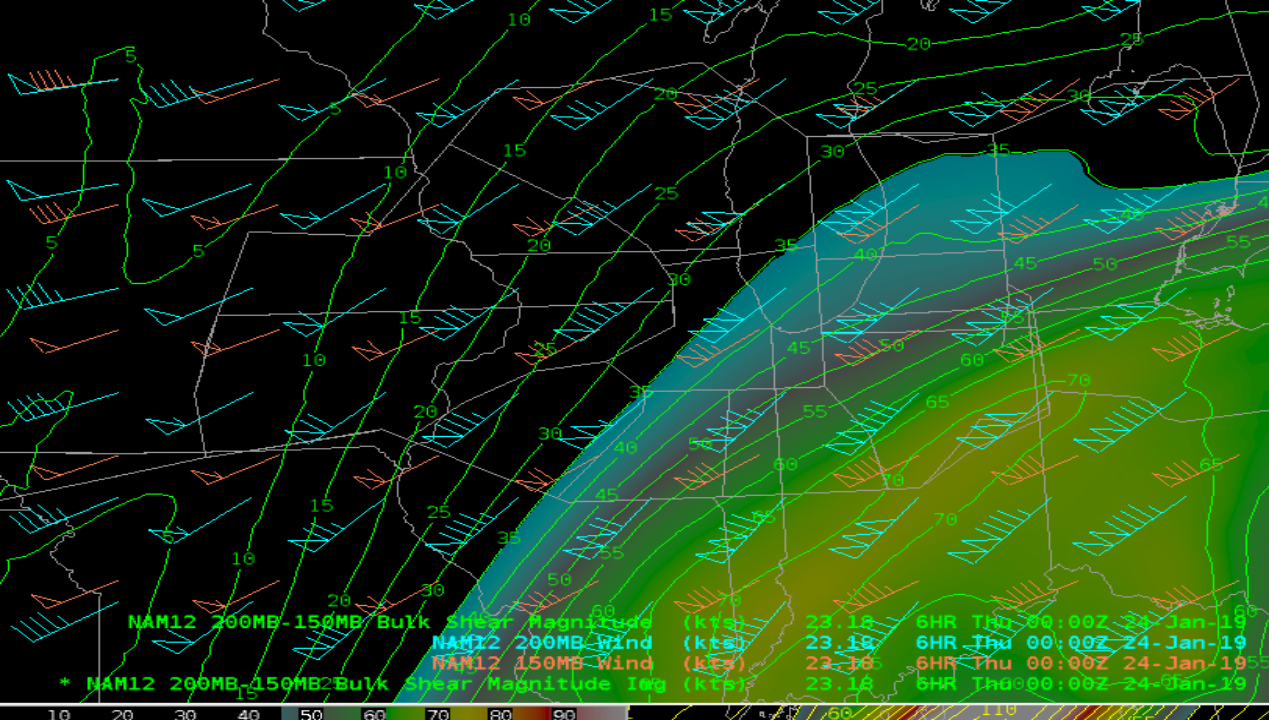




**● = SEVERE TURB**

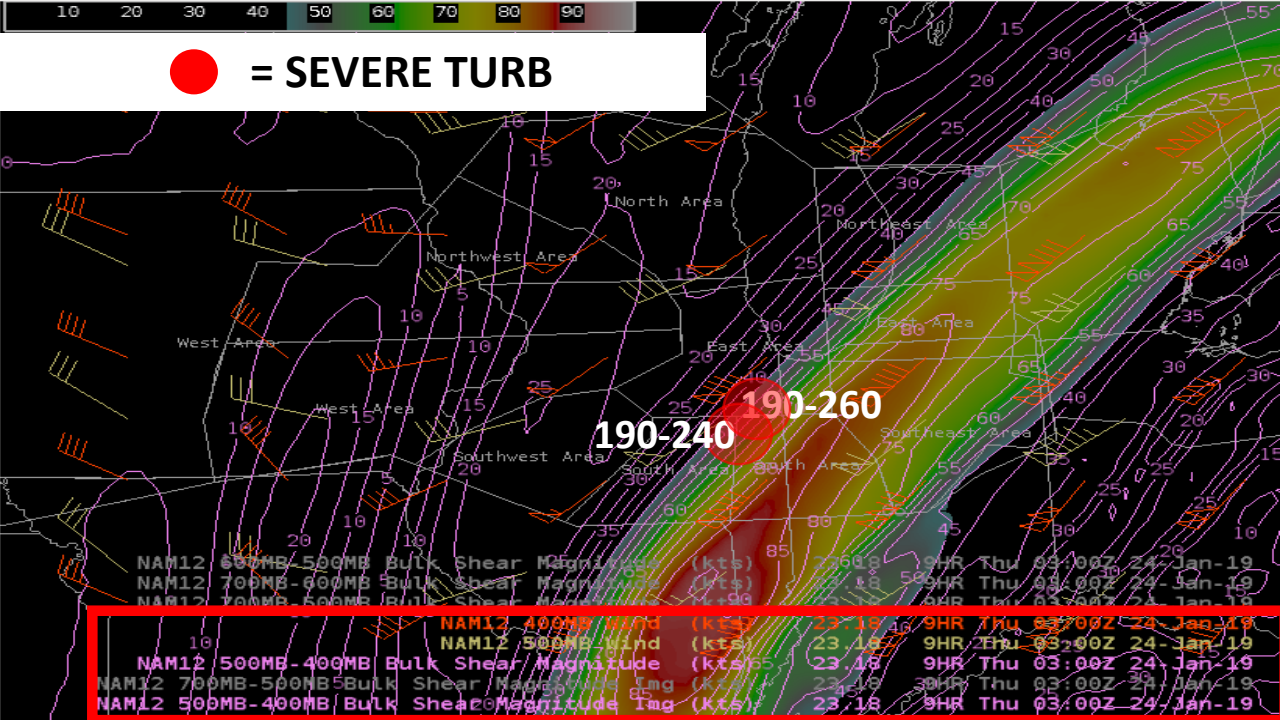
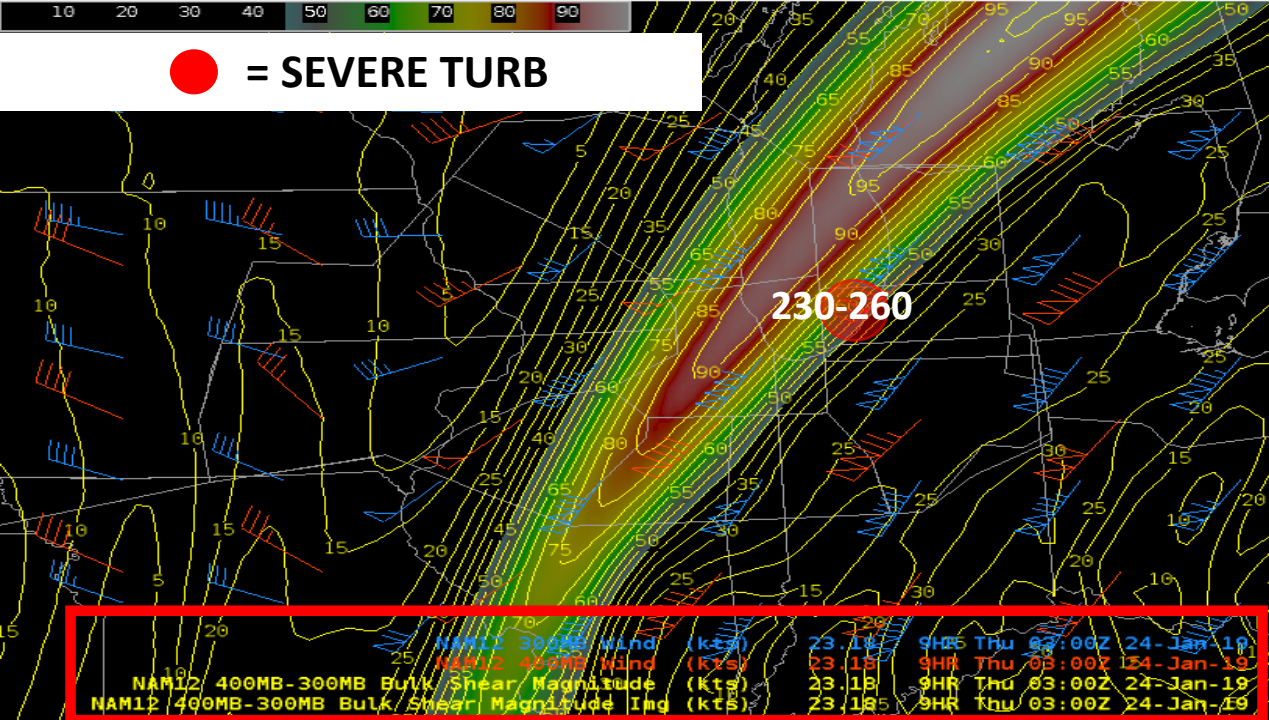
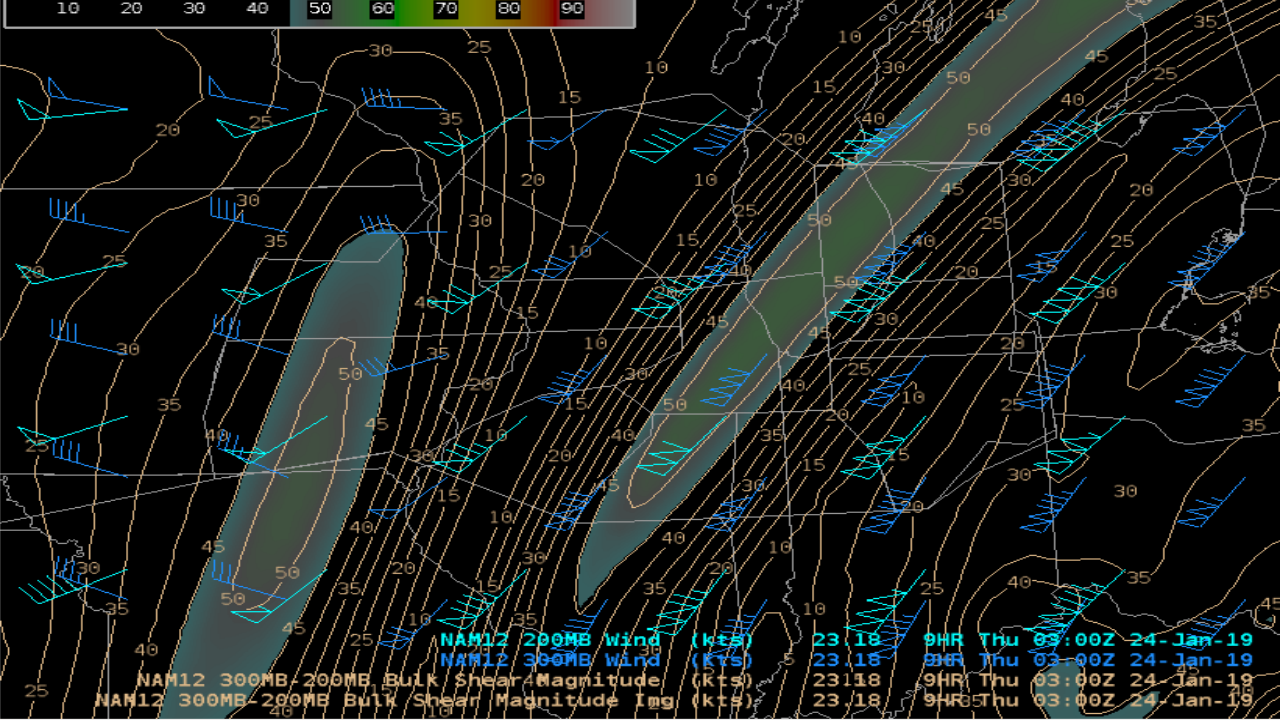
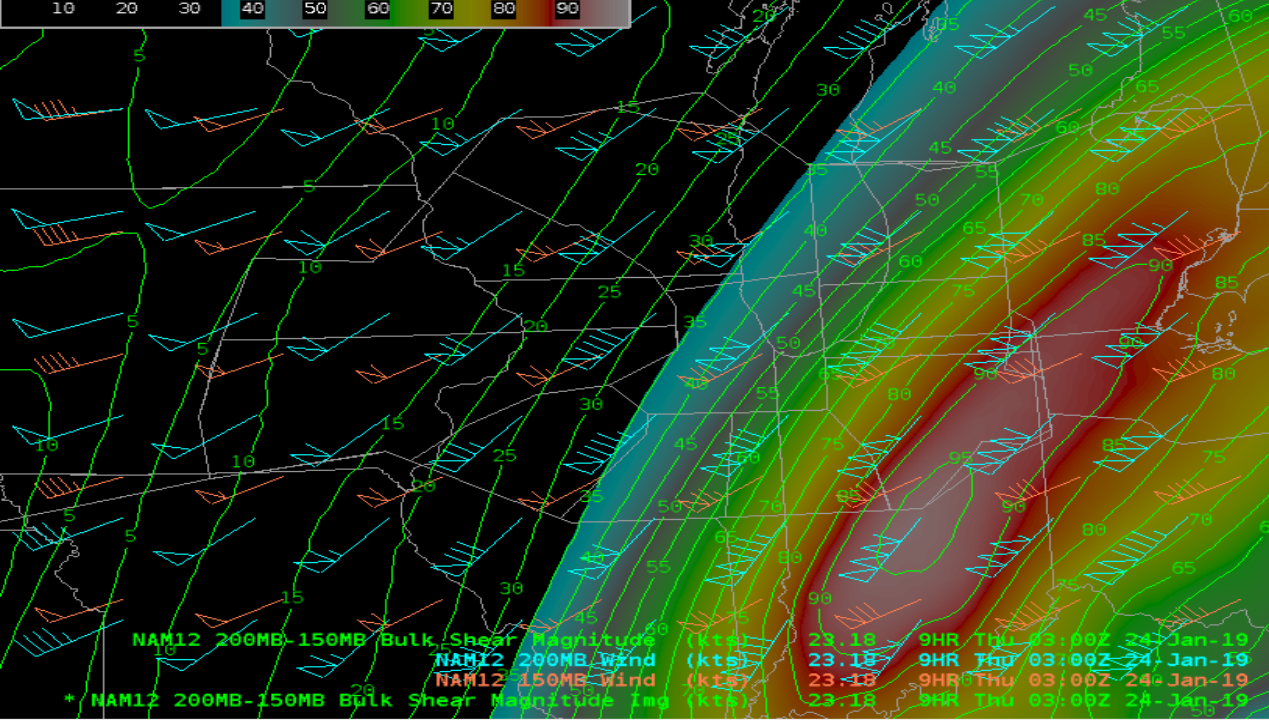
**● = SEVERE TURB**





● = SEVERE TURB

● = SEVERE TURB



● = SEVERE TURB

● = SEVERE TURB



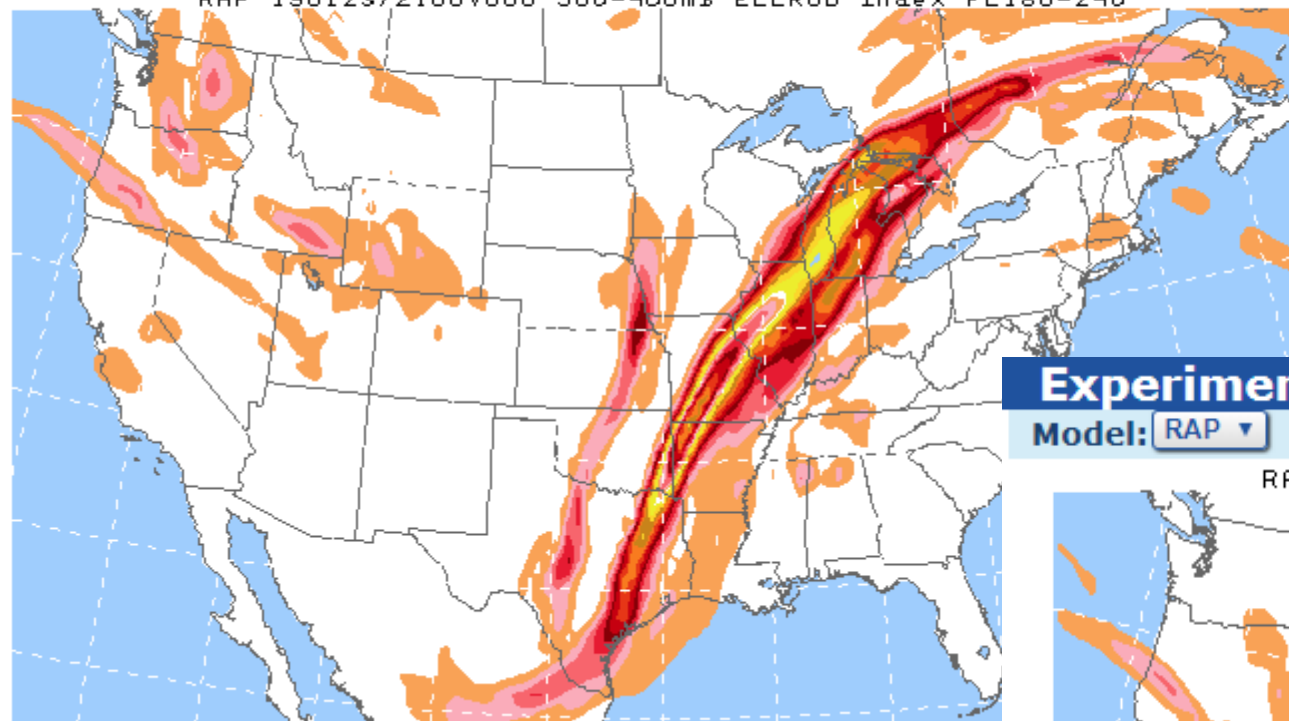
- ELLROD images from AWC, and a few Bufkit profiles in proximity to severe turbulence reports

# Experimental RAP Ellrod Index Forecast

Turbulence

Model: RAP Vertical level: FL180-240 Forecast time: 0hr

RAP 190123/2100V000 500-400mb ELLROD Index FL180-240

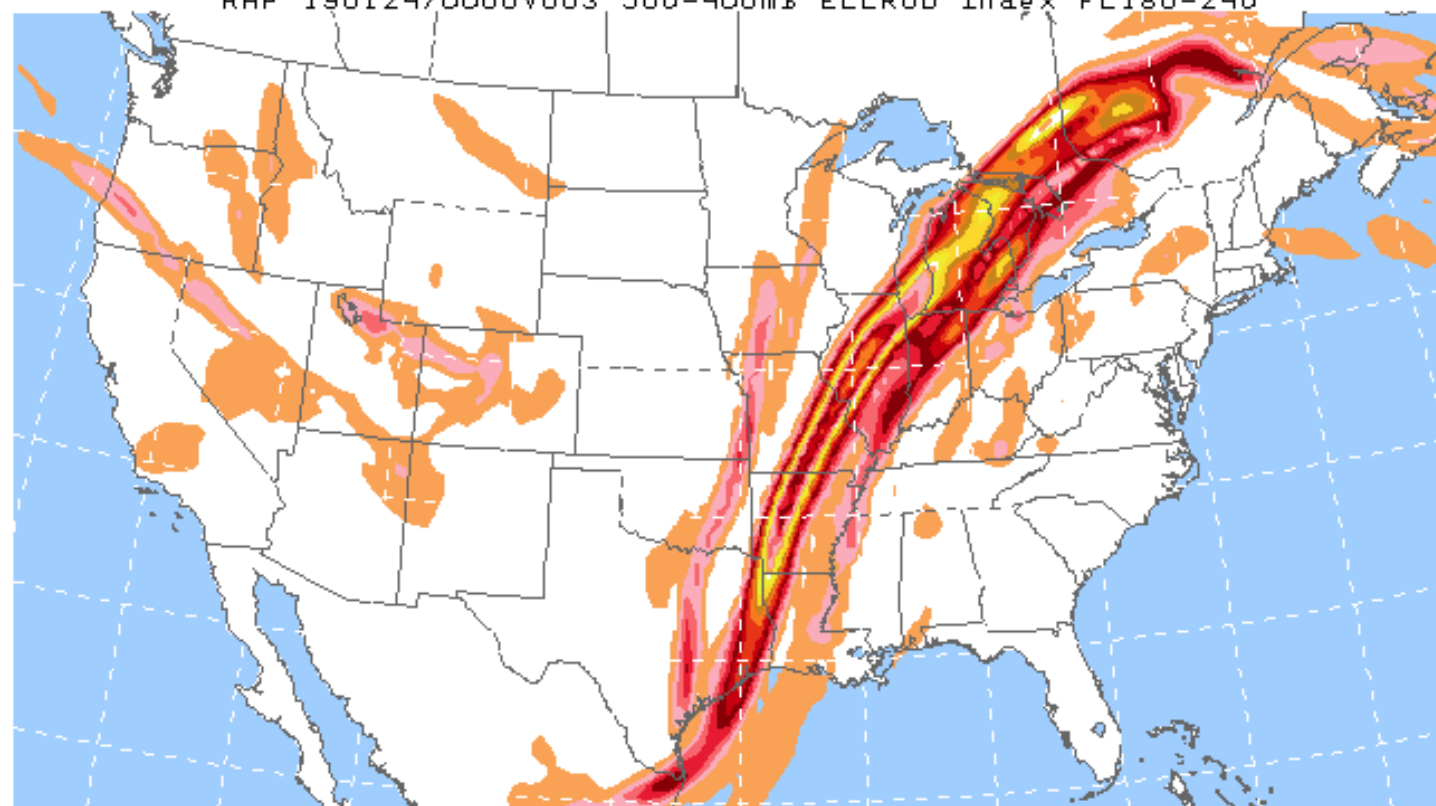


# Experimental RAP Ellrod Index Forecast

Turbulence

Model: RAP Vertical level: FL180-240 Forecast time: 3hr

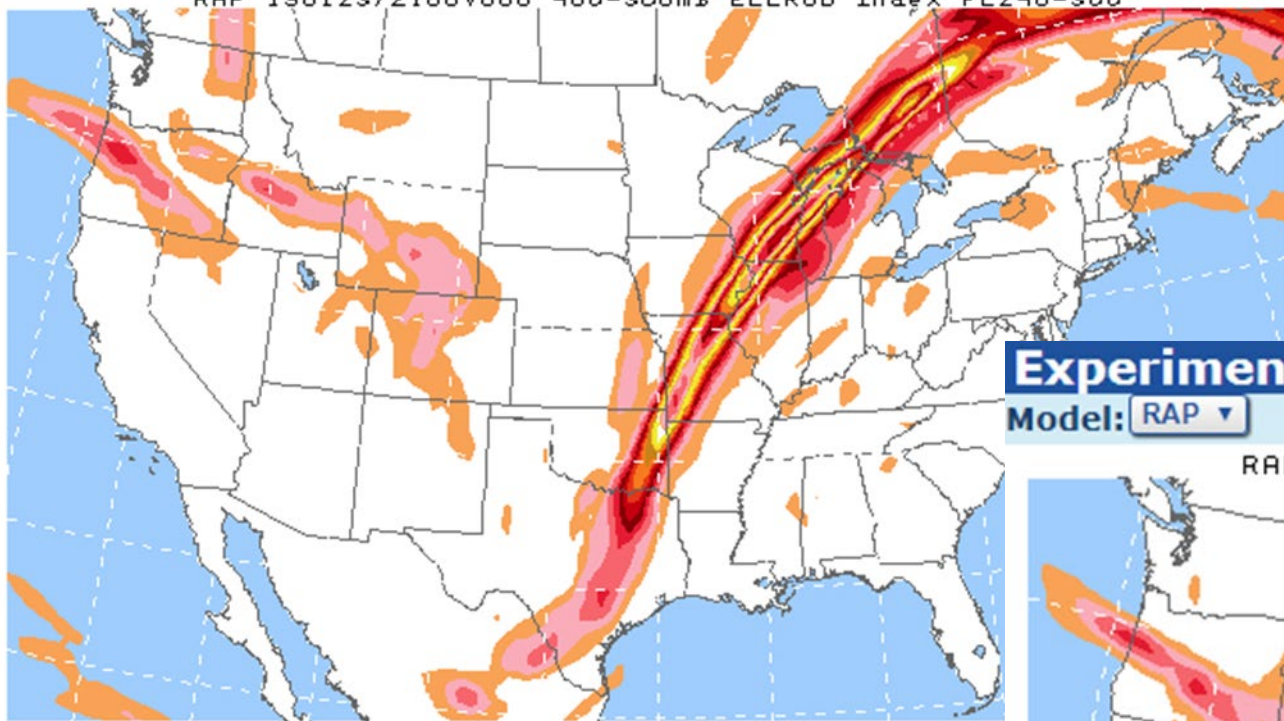
RAP 190124/0000V003 500-400mb ELLROD Index FL180-240



# Experimental RAP Ellrod Index Forecast

Model: RAP Vertical level: FL240-300 Forecast time: 0hr

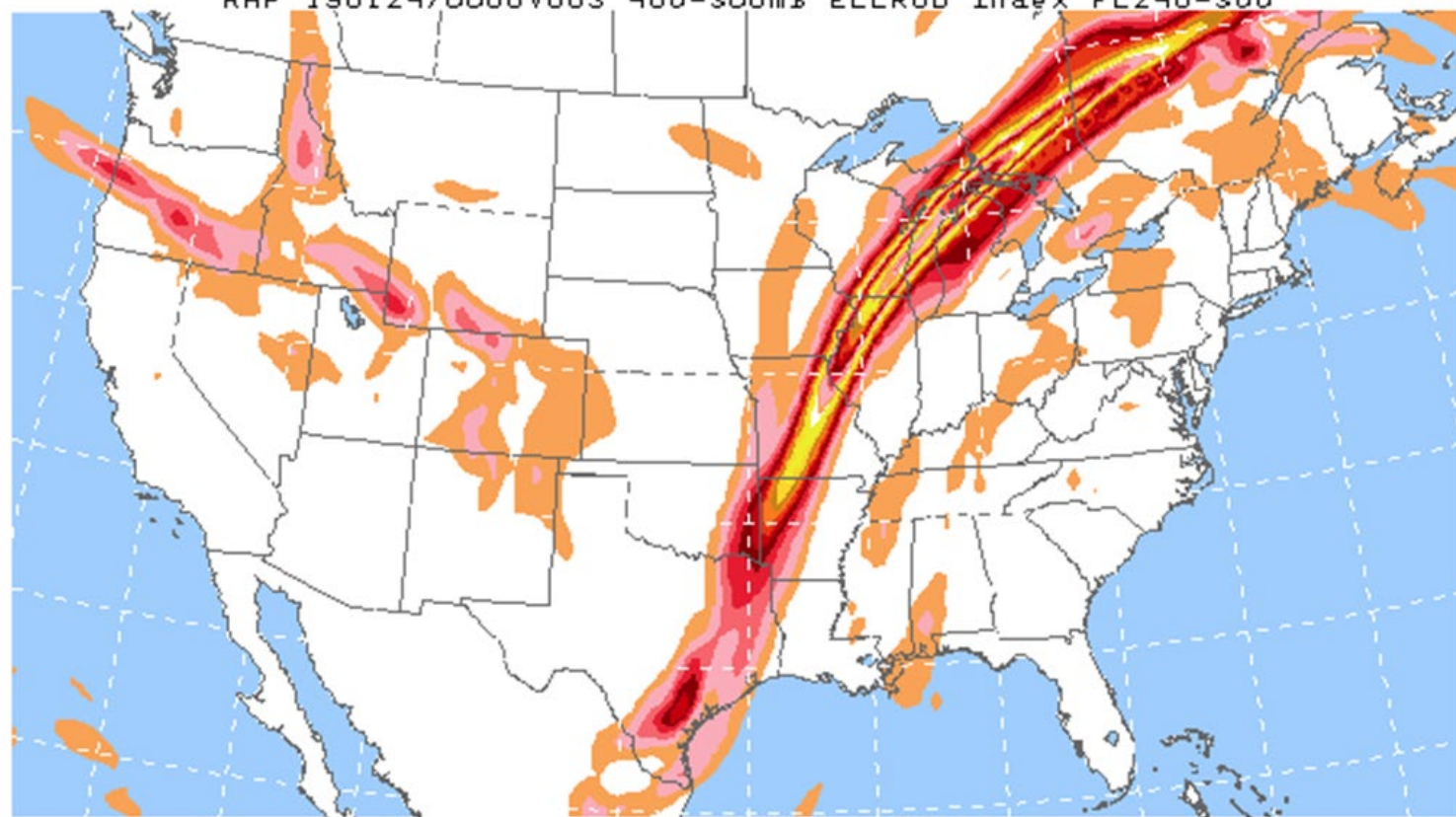
RAP 190123/2100V000 400-300mb ELLROD Index FL240-300



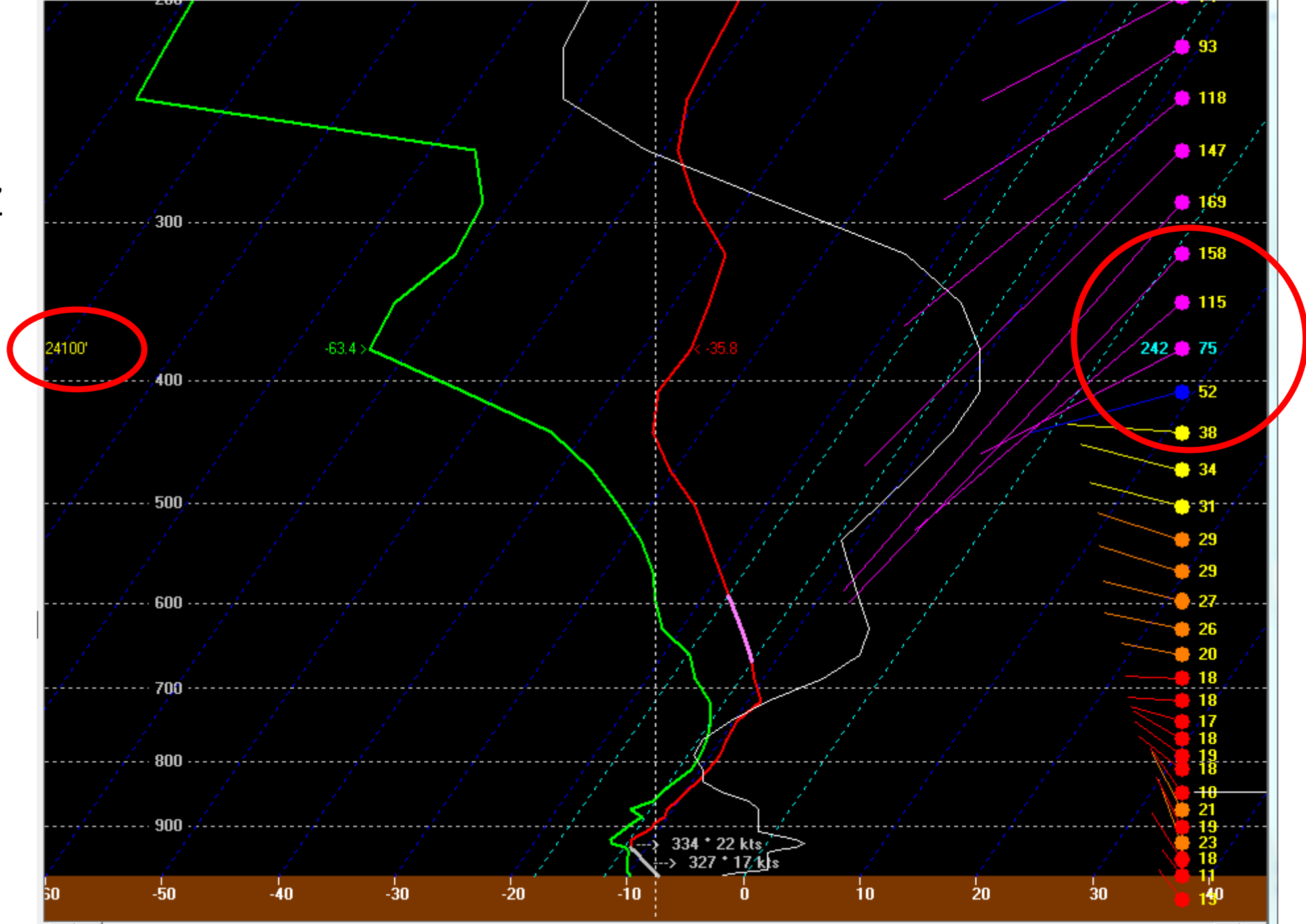
# Experimental RAP Ellrod Index Forecast

Model: RAP Vertical level: FL240-300 Forecast time: 3hr

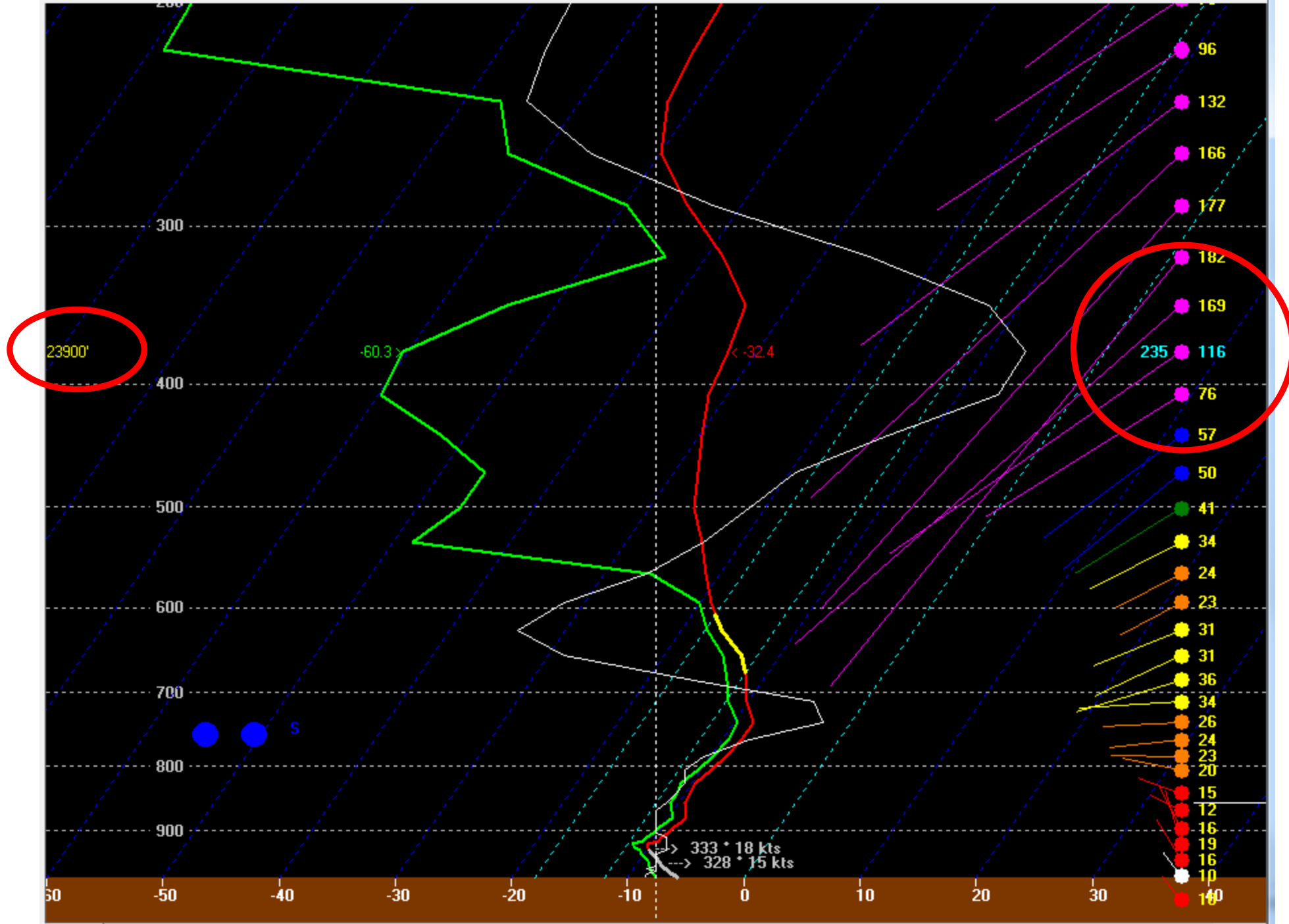
RAP 190124/0000V003 400-300mb ELLROD Index FL240-300



IOW 16Z

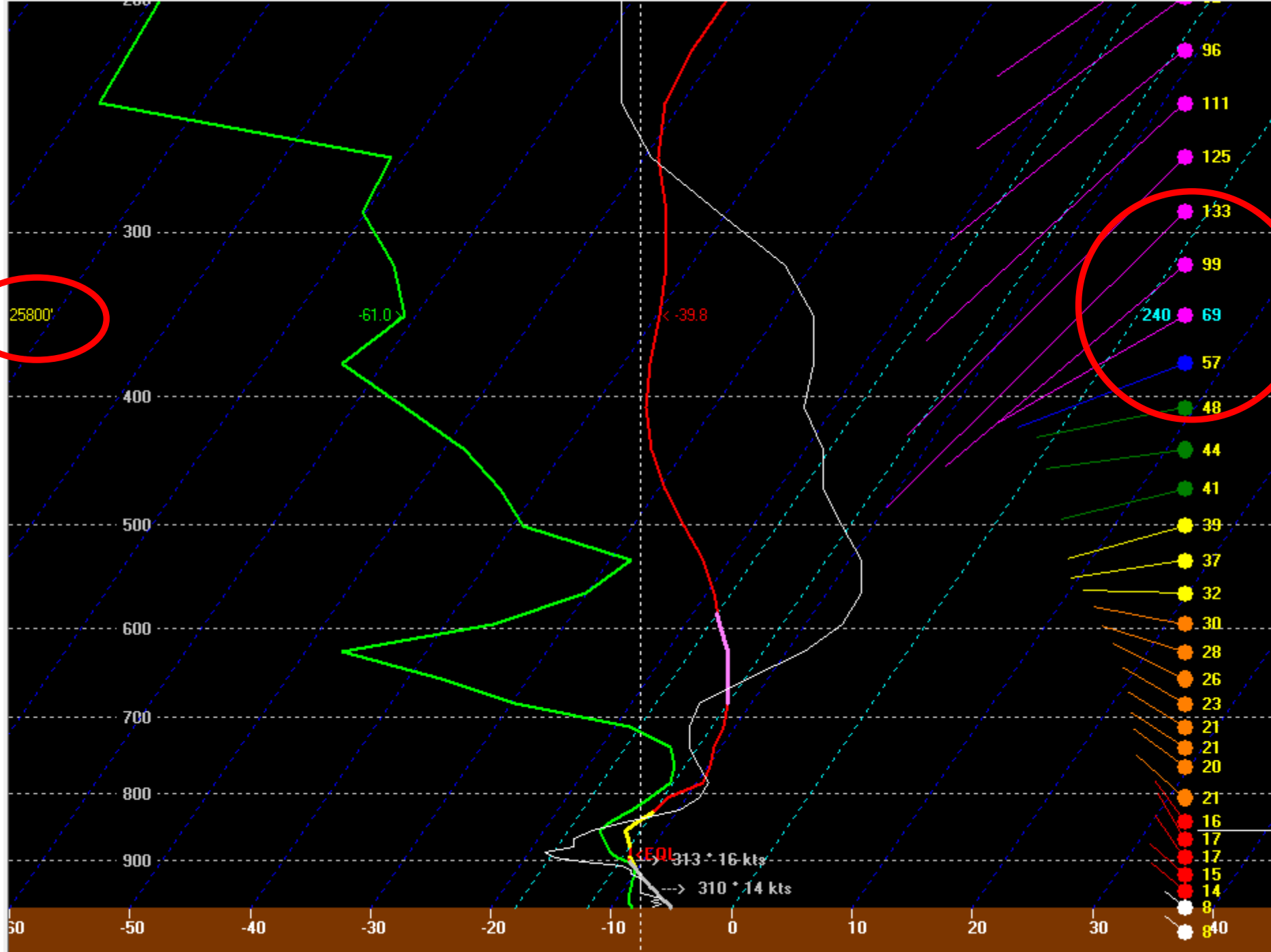


JVL 18Z



RFD 22Z

25800'

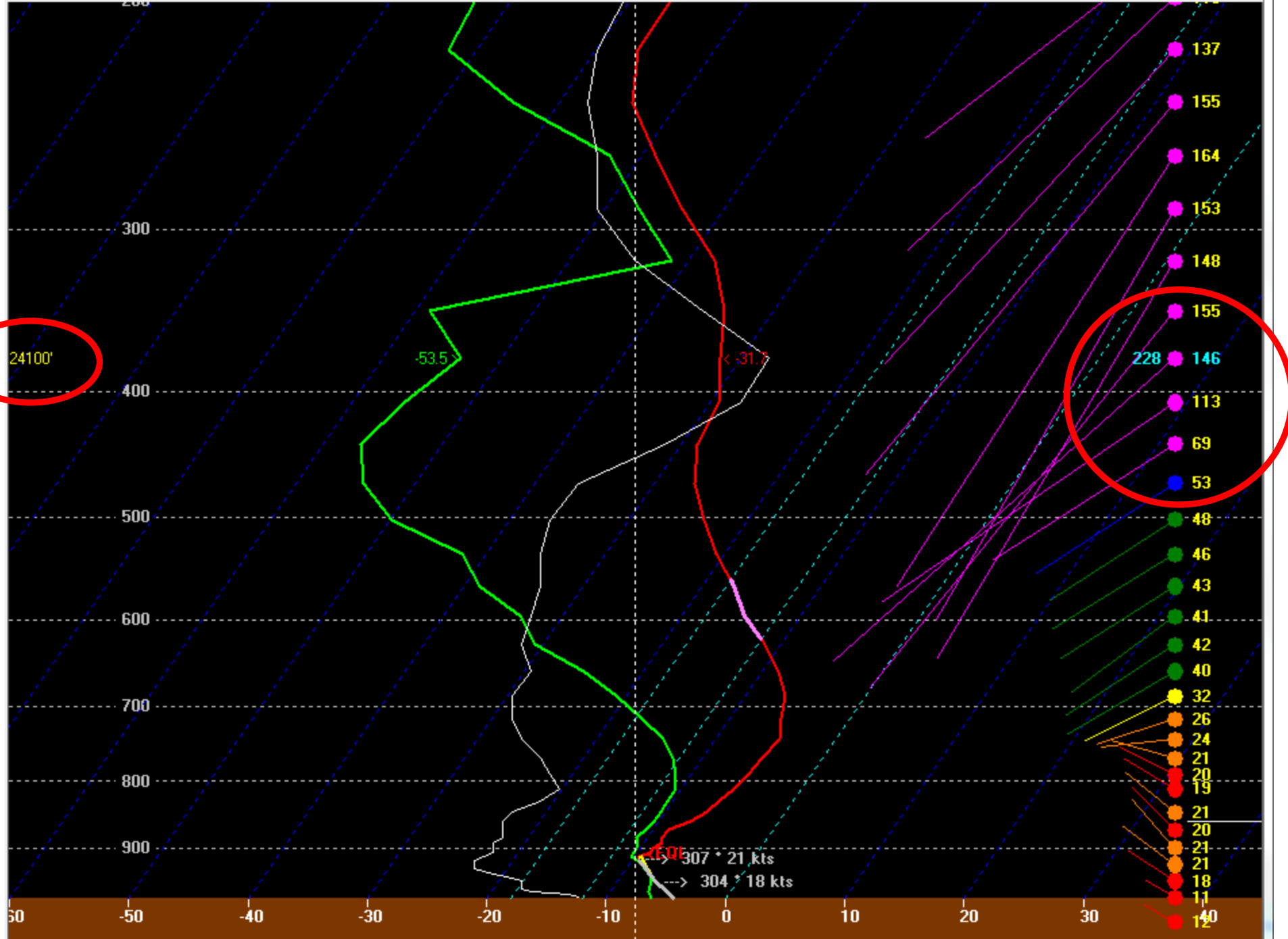


133  
99  
240  
69

313 \* 16 kts  
310 \* 14 kts

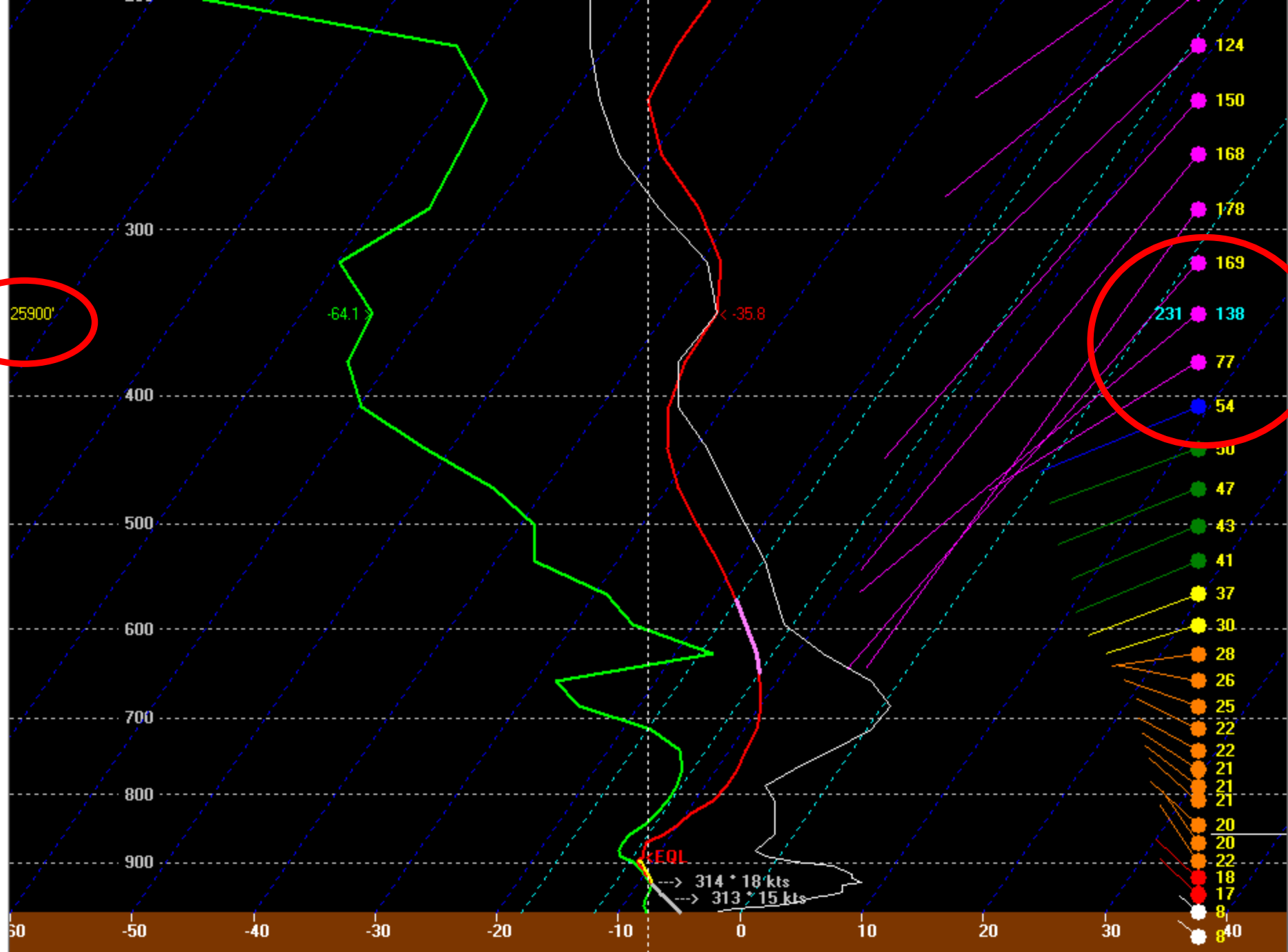
PNT 22Z

24100'



MKE 23Z

25900'



231

314 \* 18 kts  
313 \* 15 kts



IKK 02Z

