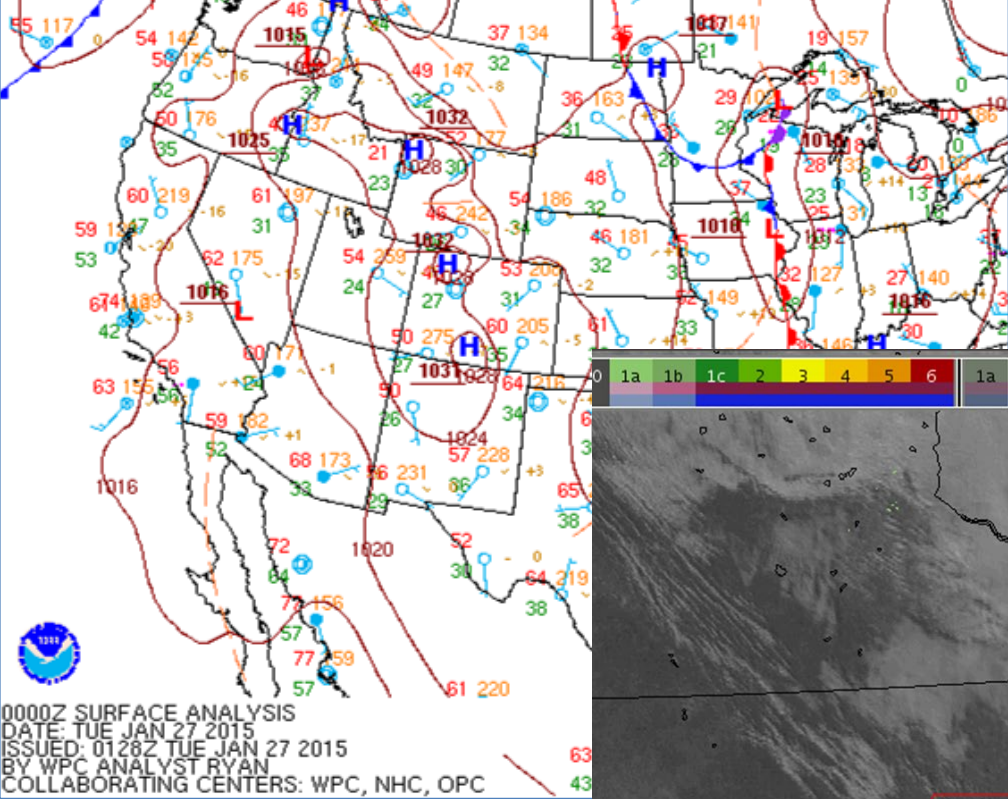


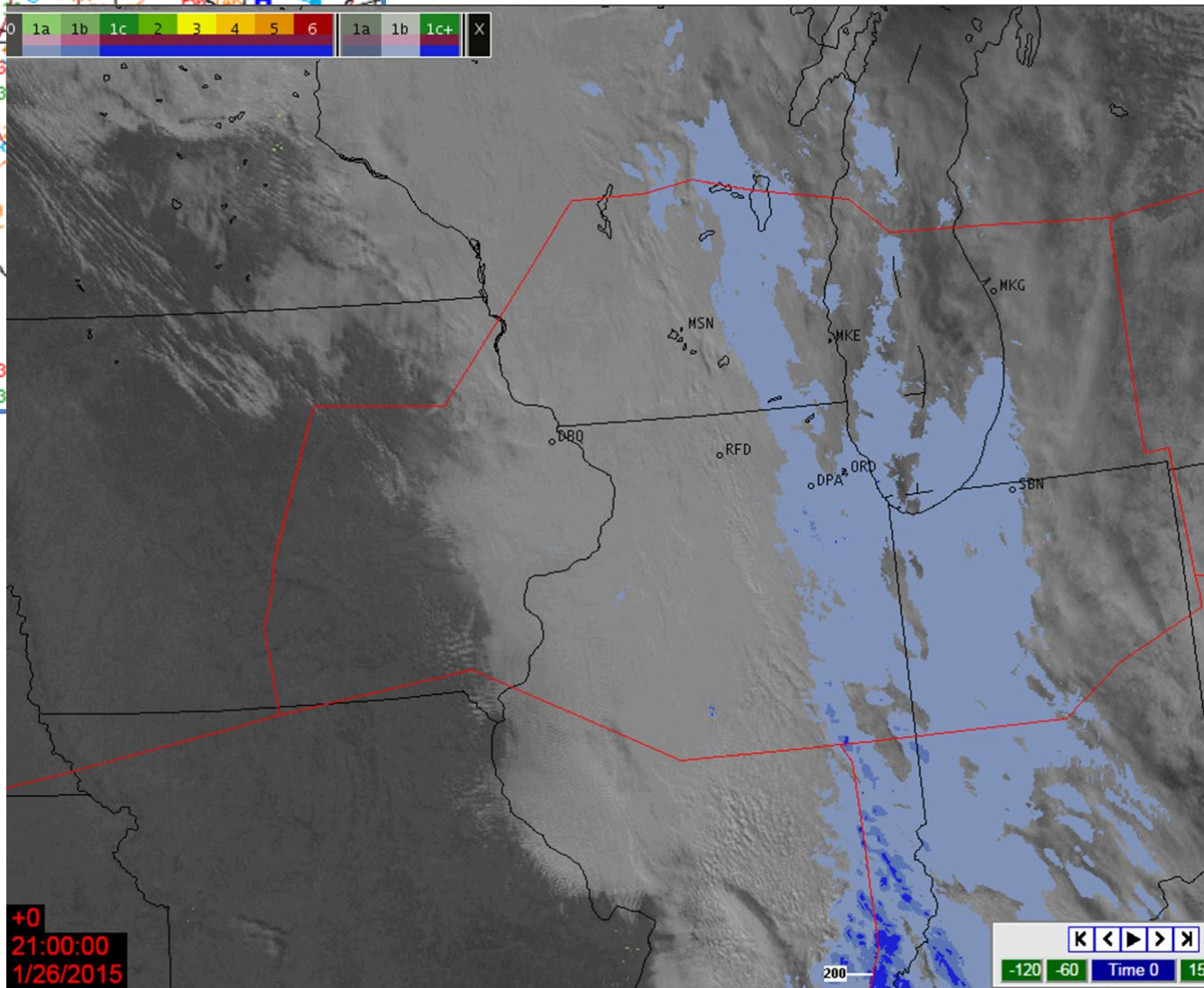
+0
21:40:00
1/26/2015



- Precip
- Winter Precip
- Echo Tops
- Forecast
- Satellite
- Lightning
- Storm Motion
- Echo Top Tags
- G&D Trends
- Fcst Contours
- Verification
- Accuracy

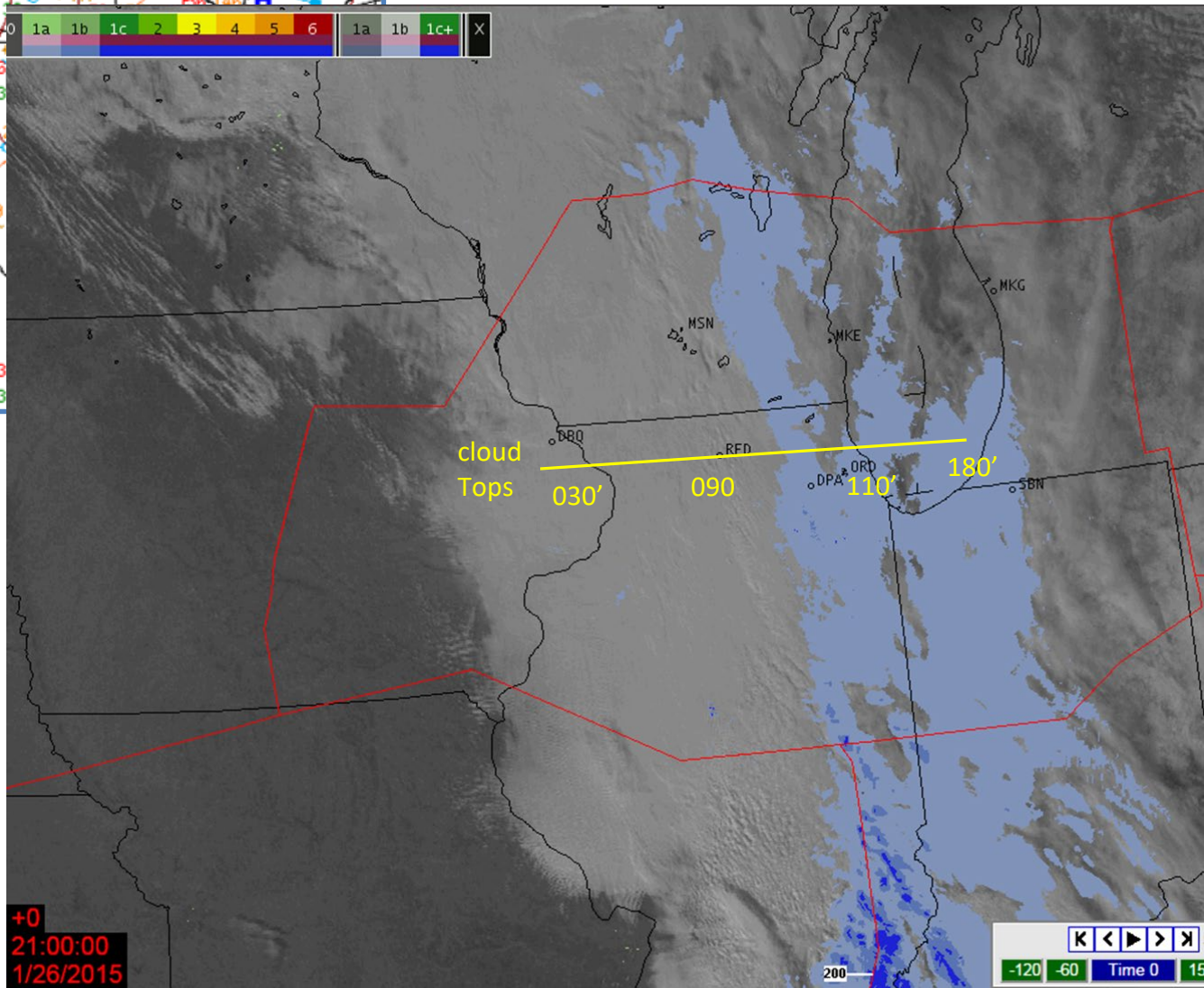
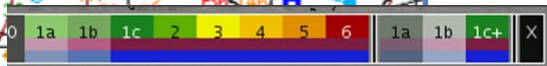
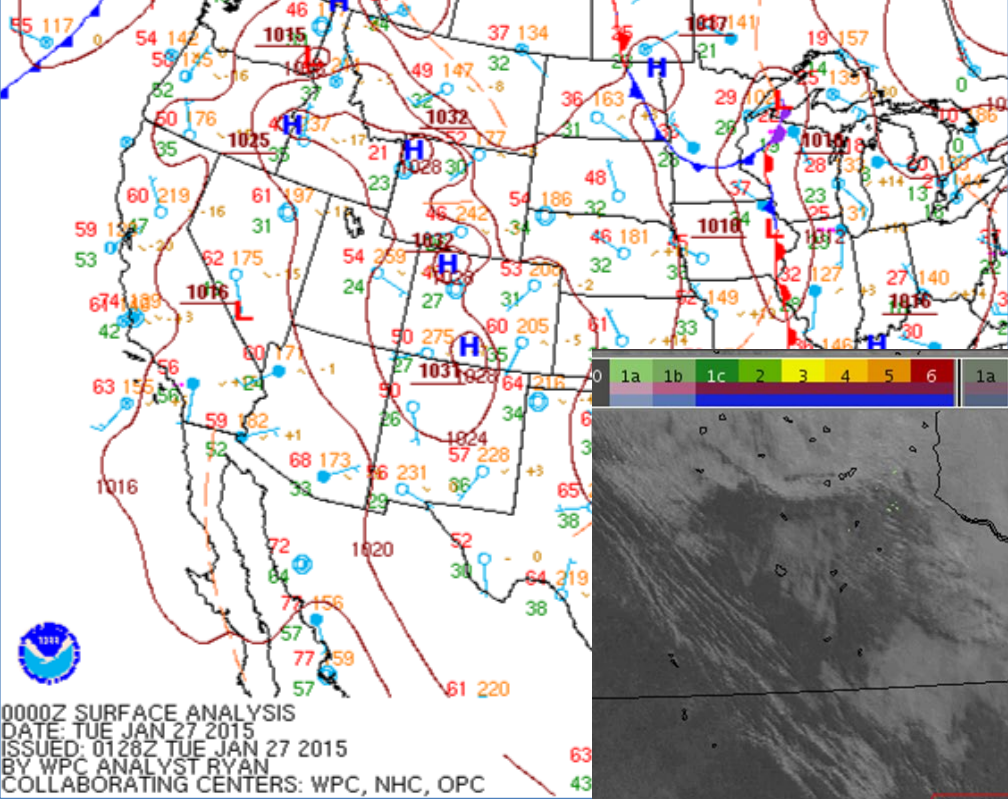


0000Z SURFACE ANALYSIS
 DATE: TUE JAN 27 2015
 ISSUED: 0128Z TUE JAN 27 2015
 BY WPC ANALYST RYAN
 COLLABORATING CENTERS: WPC, NHC, OPC



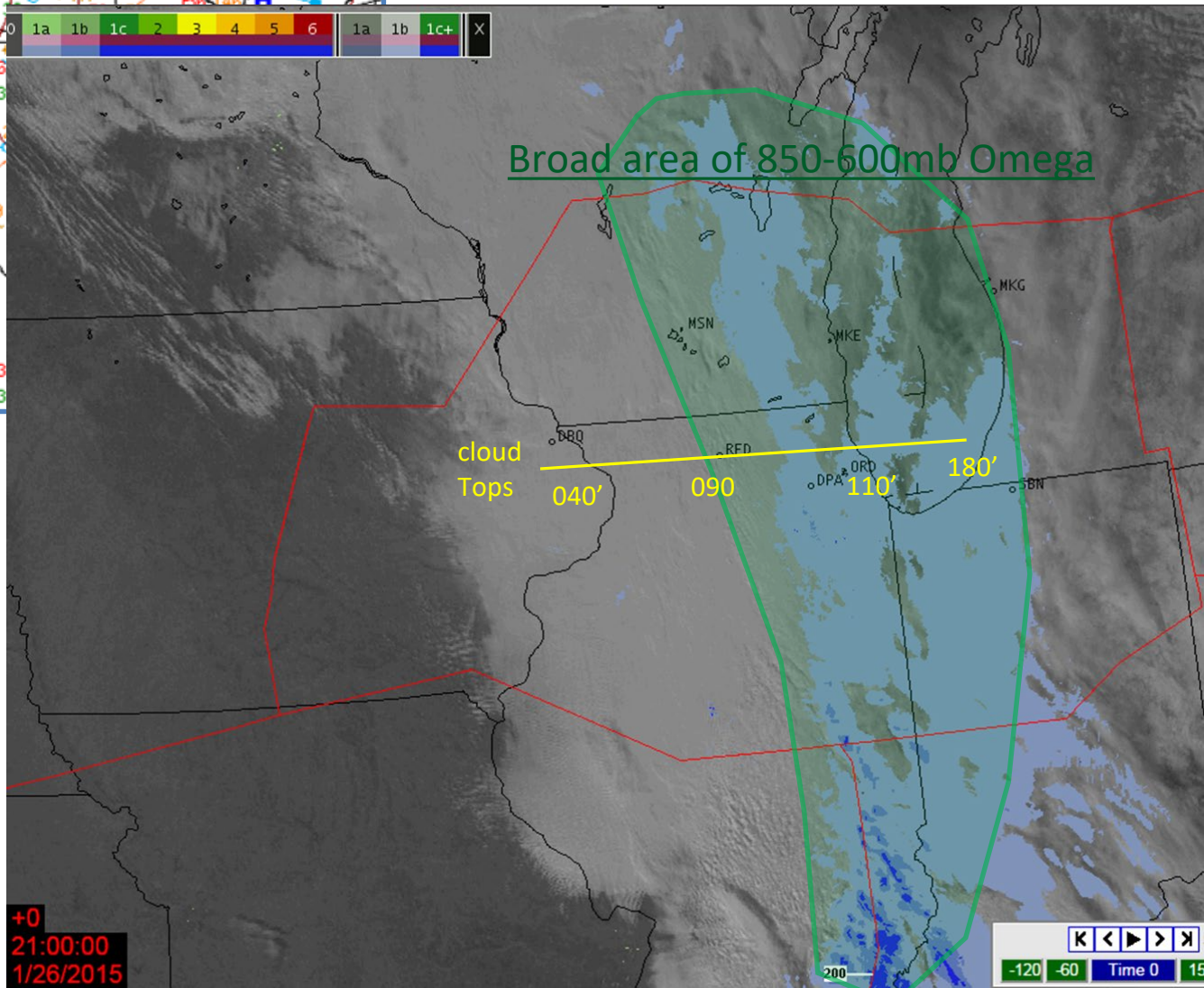
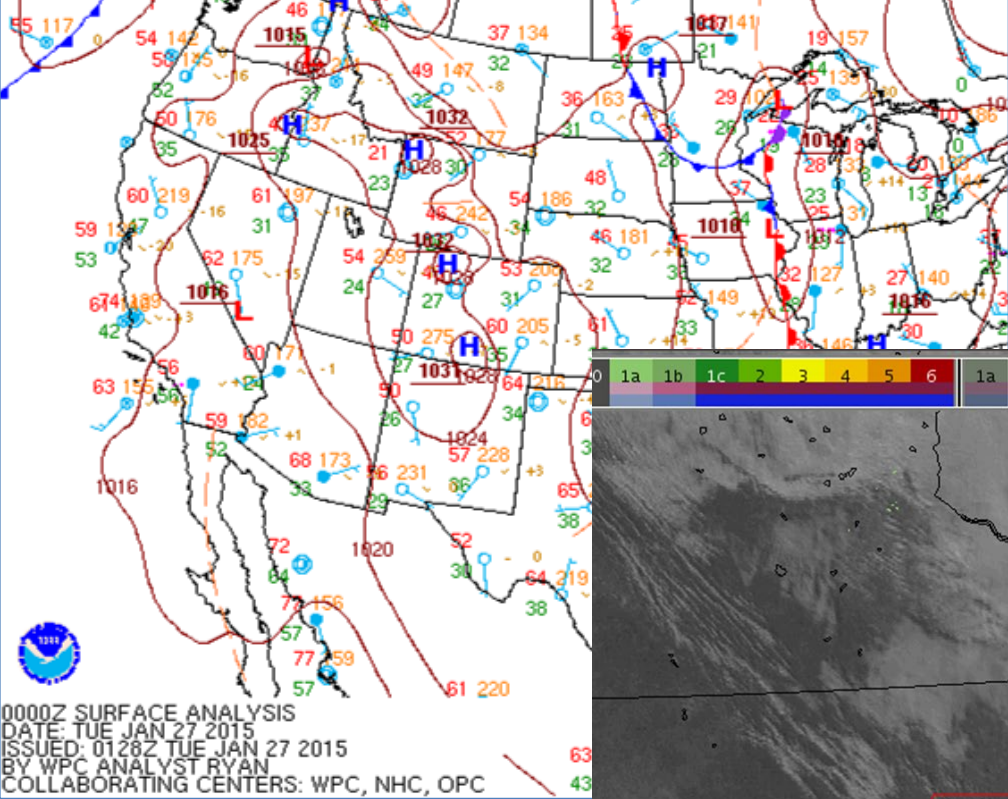
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 21:00:00
 1/26/2015

Navigation controls: K, <, >, X
 Reflectivity scale: -120, -60, Time 0, 15



+0
 21:00:00
 1/26/2015



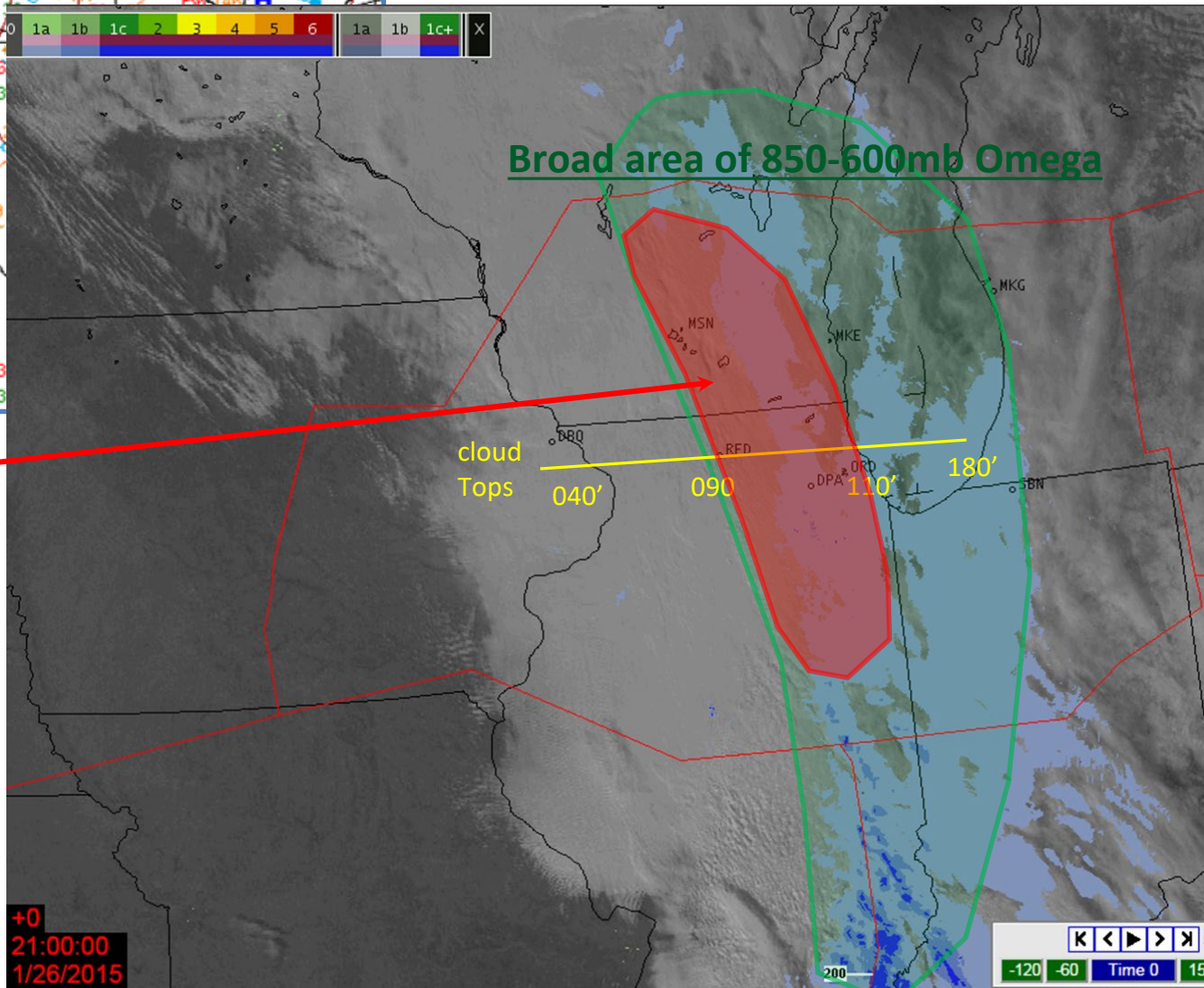
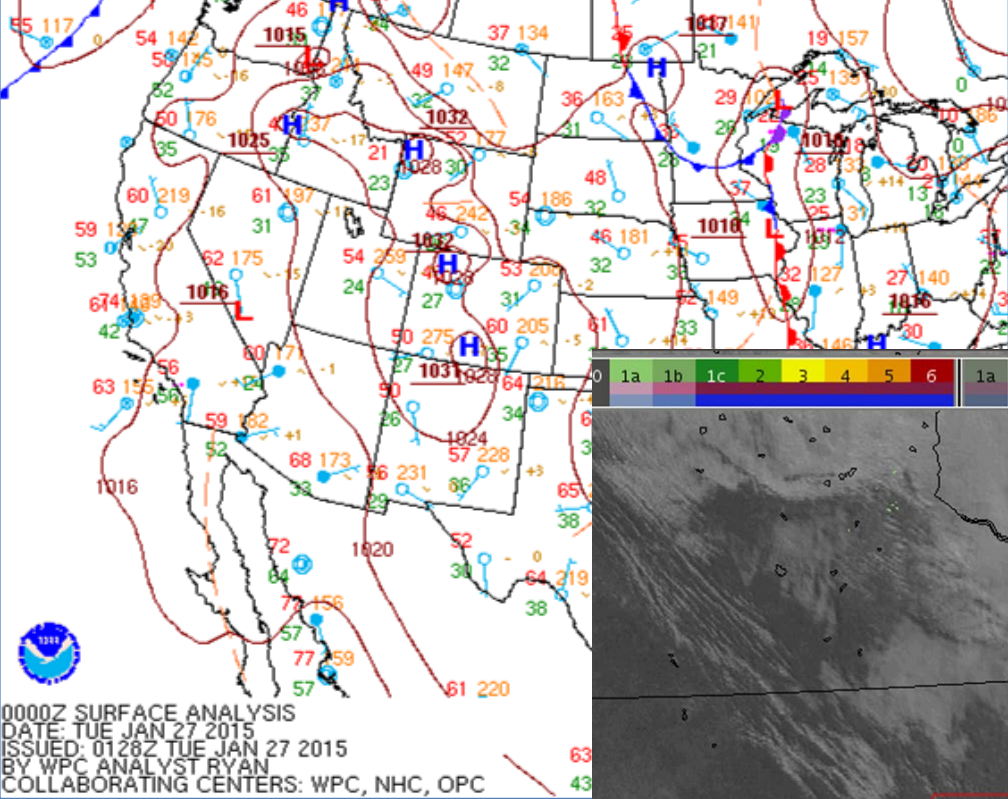


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 21:00:00
 1/26/2015

Navigation controls: K, left arrow, right arrow, X

Time and scale: -120, -60, Time 0, 15

Synopsis: surface warm front, low-mid level up-glide & mid level trough produced conditions favorable to mod-severe icing
Across Wisconsin & Illinois:
Afternoon-evening of Jan 26, 2015.



CONCERN ZONE FOR MOD-SEV ICING:

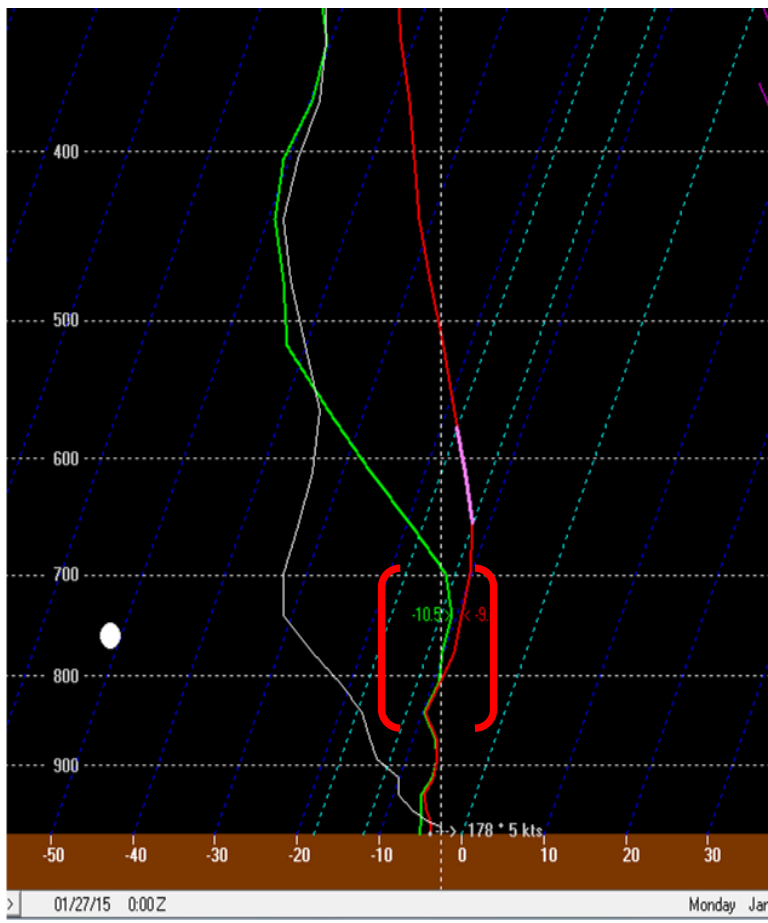
WITHIN AREA WHERE CLOUD TOPS ARE LOCATED GENERALLY BELOW DENDRITIC GROWTH ZONE AND WHERE OMEGA-VERT VELOCITY STILL REMAINS

[WHERE VERTICAL MOTIONS EXIST WITHIN DEEPER SUPERCOOLED LAYER, & MINIMAL ICE CRYSTALS AREA AVAILABLE]

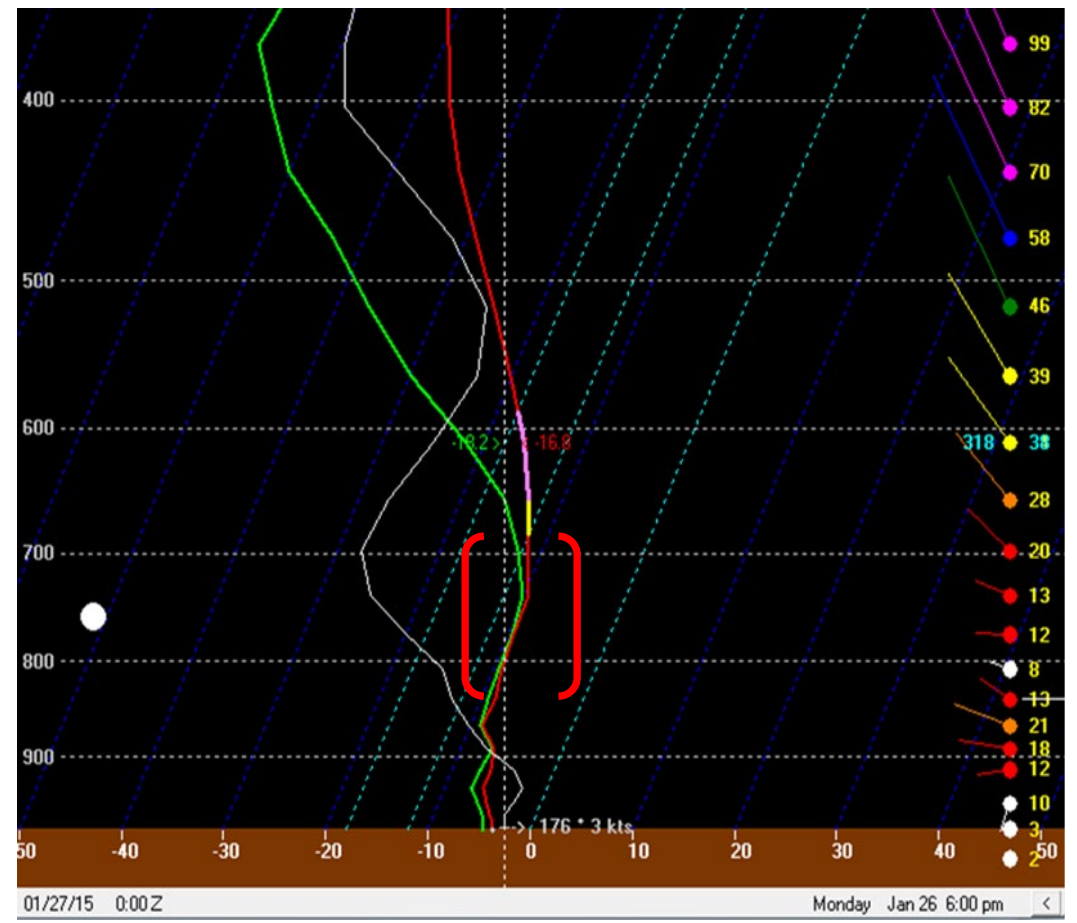
BETWEEN MSN-MKE & RFD-ORD

CONCERN ZONE FOR MOD-SEV ICING ()

RFD 00Z... TOPS (060-070')



DPA 00Z... TOPS (090-100')



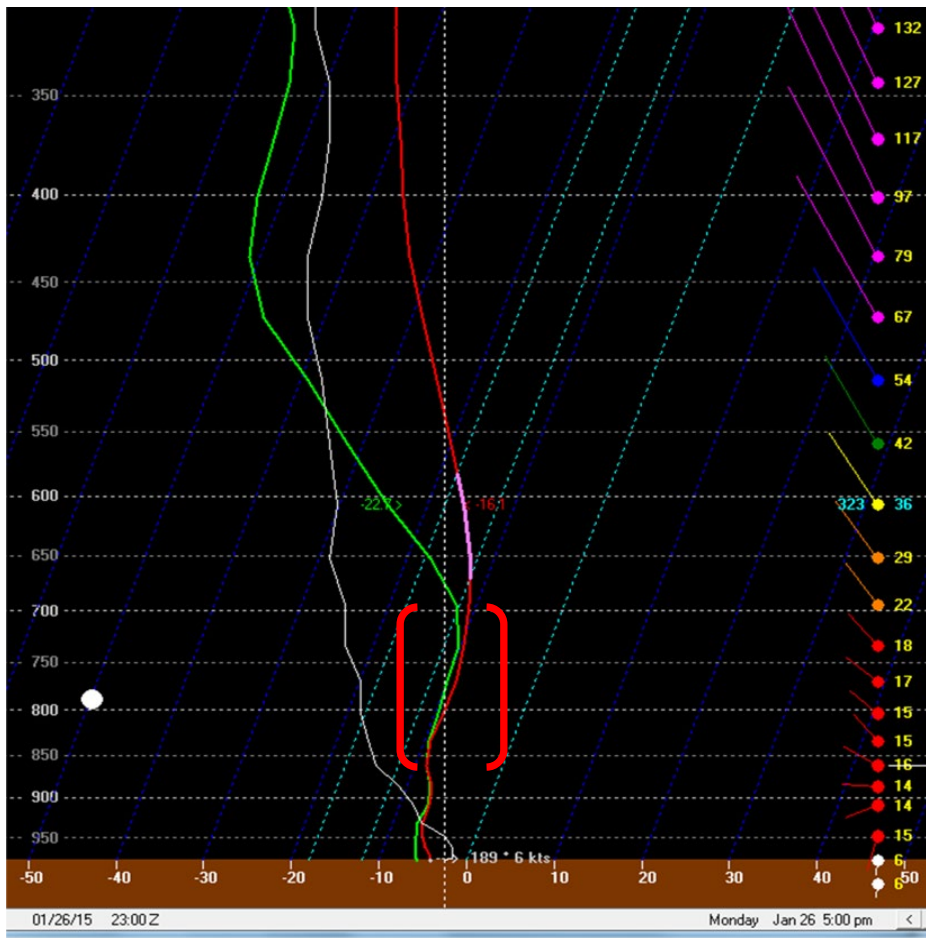
**Forecasting freezing drizzle,
At least a Mod icing concern (poss Sev)
Due to freezing drizzle alone,
Not note omega w/in super-cooled zone**

**Forecasting Freezing Drizzle,
Mod-Sev icing concern, maybe even
More potential than RFD... deeper clouds up
to 090-100', and omega w/in cloud tops**

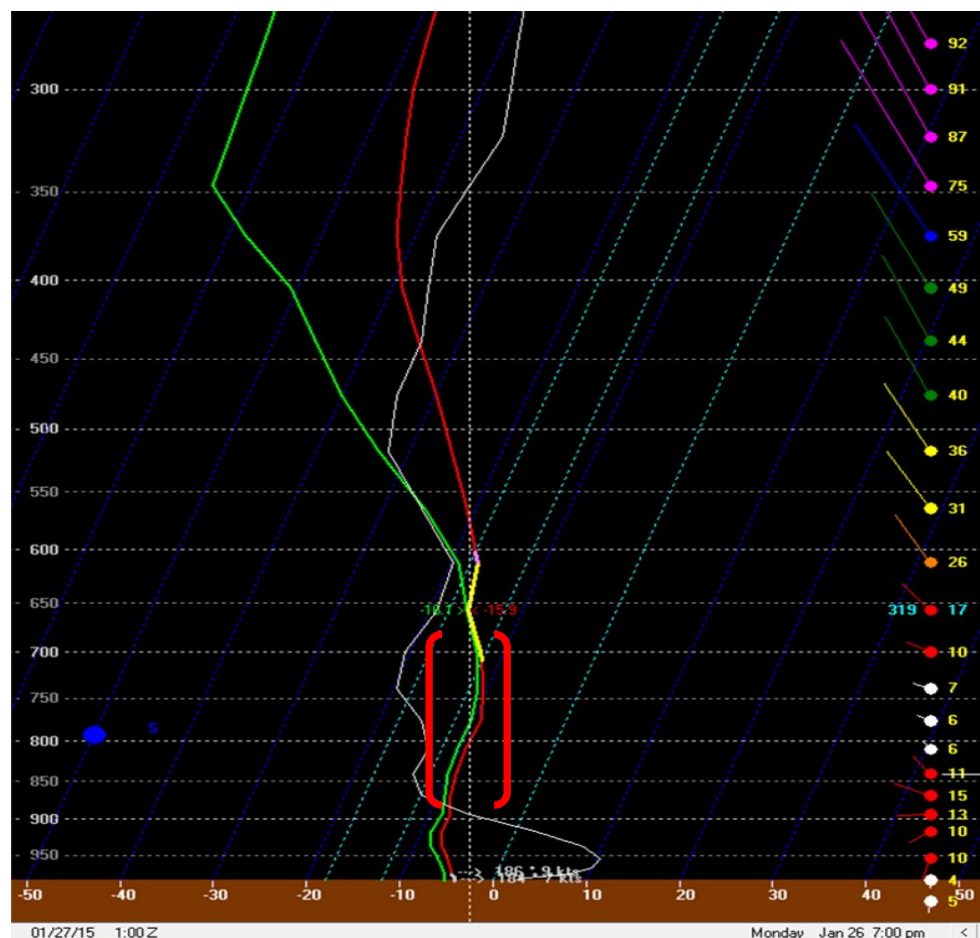
OTHER LOCAL AREA SOUNDINGS WITH CONCERN ZONES FOR MOD-SEV ICING



MSN 23Z... TOPS (090-100')



MKE 01Z... TOPS (130')

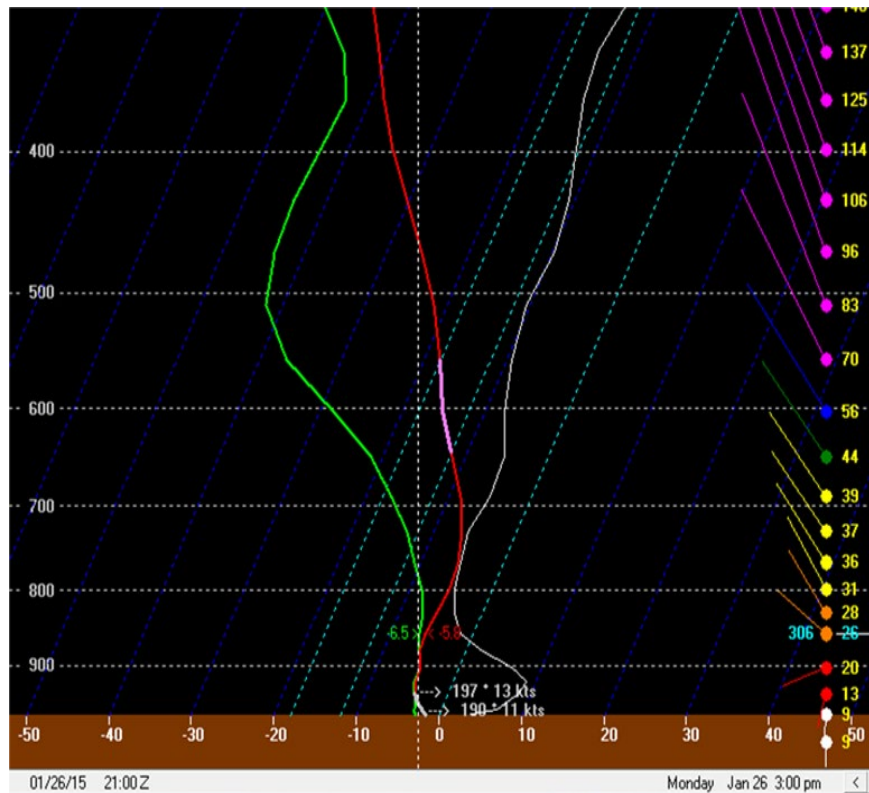


**Forecasting freezing drizzle.
NIL DENDRITIC MOISTURE W/ DEEP
SUPER-COOLED & MODEST OMEGA BLW 700MB**

**FORECASTING LIGHT SNOW
DEEP SUPER-COOLED & MODEST OMEGA BLW 700MB,
BUT MOISTURE EXTENDS SOMEWHAT INTO DENDRITIC
ZONE SOME CRYSTALS PRESENT**

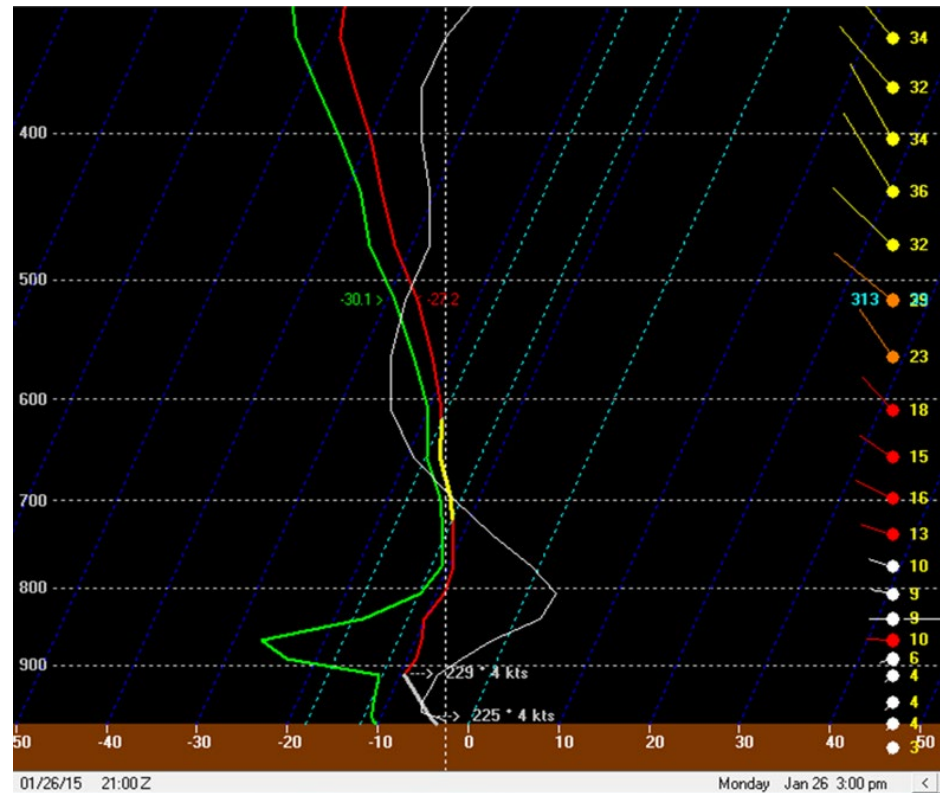
AS COMPARED TO PREVIOUS SOUNDINGS.... AREAS TO THE WEST (DBQ) AND TO THE EAST (SBN) ... PROFILES SUGGEST THERE SHOULD BE A LESS FAVORABLE ENVIRONMENT FOR MOD-SEV ICING (LGT-MOD MORE TYPICAL) 5

DBQ 21Z.. .TOPS ~040'



TOPS ~040-050', THUS THINNER LAYER OF SUPER-COOLED LIQUID, MAINLY EXPECT LGT-MOD ICING, NEG VERT VELOCITY

SBN 21Z... TOPS (090-100')



DEEPER CLOUDS UP TO FL180 , BUT ALSO NOTE OMEGA OVERLAPS DENDRITIC ZONE, SO MORE ICE CRYSTAL GROWTH LIKELY AND NOTE LESS SATURATION AOB 080.

{ LOCAL AREA PIREPS TO FOLLOW..... }

ICING				
TIME	LOCATION	FL	A/C	TYPE
2000	ORD 230040	110	E145	MODRIME -15
2110	RFD	010	C25B	MOD MIX
2000	ORD 230040	110	E145	MODRIME -15
2015	ORD 230040	120	CRJ7	MODRIME -14
2125	JVL 330010	090-000	C550	SEV RIME
2150	ORD 225020	070-085	CRJ7	MOD MIX
2205	ORD 300015	070-085	737	MODRIME -14
2215	JOT 225005	075	737	MOD MIX , NO TEMP
2229	JOT 180010	060	737	RIME, NO INTENSITY
2250	DPA	070-100	A320	MOD CLR -1
2252	JOT 090005	UNKN	737	LGT MOD RIME -7, DURD
2303	ORD-EON	150-120	CRJ7	MOD MIX -20
2310	ORD 135020	030-105	E170	MODRIME -11
2325	RFD 180010	080-100	H25	MODRIME
2324	OSH	AOB 125	C525	LGT-MODRIME -1
2349	MKE 270007	030-060	737	MOD MIX -6
2350	MKE 180015	070	CRJ2	MOD MIX -7
2355	JOT 090020	080-115	E145	MODRIME -16
2351	DEC 150020	UNKN	PA46	MODRIME -6
0004	BAE 320010	040-100	E170	MODRIME -12
0015	MKE 140020	140	E145	MOD-SEV -22
0018	RBS-CMI	012-085	E145	MODRIME -5
0030	ORD-EON	050-125	NMRS	MOD MIX -16 TOPS 120-130
0116	ORD 180015	090	E145	SEV, 030-070 MOD
0118	MDW	UNKN	737	MODRIME, durd entire app 22L
0127	MDW 230020	BLO 080	MULT	MODRIME -7
0148	ORD 360005	080-145	A319	MODRIME -10