

<b><u>OBSERVATIONS</u></b>	<b><u>HRRR MODEL ANALYSIS AND FORECAST</u> 3KM OUTPUT (0 to 18/48 HR)</b>	<b><u>NAM MODEL ANALYSIS AND FORECAST</u> 12KM OUTPUT (0 to 84 HR)</b>	<b><u>GFS MODEL ANALYSIS AND FORECAST</u> 0.5° OUTPUT (0 to 180 HR)</b>	
<b><u>4K LOOPS (Timings Approximate):</u></b> (:00,:30) CONUS GEOCOLOR SAT (:03,:33) GULF OF MEXICO+CARIB GEOCOLOR SAT (:06,:36) CONUS AIRMASS RGB SAT (:09,:39) TROPICAL ATLANTIC AIRMASS RGB SAT (:12,:42) CONUS MIDLEV WATER VAPOR SAT (:15,:45) UNIV WISC/CIMSS MIMIC PRECIP WATER (:17,:47) GLOBAL SST ANOMALIES (:20,:50) CDC DROUGHT MONITOR (:22,:52) WPC CONUS FRONTAL ANALYSIS (:24,:54) MRMS CONUS RADAR (:27,:57) GLOBAL STATION MODEL WX TYPE & TCS	<b><u>SEVERE WX:</u></b> CAPE, CIN, STORM-RELATIVE HELICITY	<b><u>TROPOPAUSE:</u></b> 1: DYN TROP $\theta, \vec{V}$ 2: 320-330K PV, $\vec{V}$ <i>Rotates every 15 mins.</i>	<b><u>TROPOPAUSE:</u></b> 1: DYN TROP $\theta, \vec{V}$ 2: 320-330K PV, $\vec{V}$ <i>Rotates every 15 mins.</i>	
<b><u>SFC OBS LOOP:</u></b> MULTI-SCALE SFC STATION PLOTS AND SOUNDINGS	<b><u>WINTER WX:</u></b> PRECIP TYPE AND CRITICAL $\Delta Z$ /ISOTHERMS	<b><u>MID-LEVEL/ISEN:</u></b> 1: 500MB Z, $\vec{V}, \zeta$ 2: 295-305K P, $\omega, \vec{V}$ <i>Rotates every 15 mins.</i>	<b><u>MID-LEVEL/ISEN:</u></b> 1: 500MB Z, $\vec{V}, \zeta$ 2: 295-305K P, $\omega, \vec{V}$ <i>Rotates every 15 mins.</i>	
<b><u>LOCAL FORECAST:</u></b> TWC WS4000 SIMULATOR FOR TALLAHASSEE	<b><u>RADAR LOOP:</u></b> NWS WSR-88D (FLOATER)	<b><u>CLOUD/RADAR:</u></b> SLP, SIMULATED CLOUD & RADAR REFLECTIVITY	<b><u>LOW-LEVEL:</u></b> SLP, PRECIP, 850MB TEMP	<b><u>LOW-LEVEL:</u></b> SLP, PRECIP, 850MB TEMP
<b><u>RADAR LOOP:</u></b> NWS WSR-88D (TLH BREF)	<b><u>SURFACE:</u></b> SLP 2-M TEMP, SST, 10-M WIND	<b><u>FULL TROPOSPHERE:</u></b> SLP, 1000-500MB $\Delta Z$ , 250MB WIND	<b><u>FULL TROPOSPHERE:</u></b> SLP, 1000-500MB $\Delta Z$ , 250MB WIND	<b><u>FULL TROPOSPHERE:</u></b> SLP, 1000-500MB $\Delta Z$ , 250MB WIND


Last Updated: 18 December 2021

# Station Model Plot Legend from Surface Observations Loop Monitor

↔ LEGEND ↔ WORLD ↔ USA ↔ NW ↔ SW ↔ NC ↔ SC ↔ NE ↔ SE ↔ TLH ↔ NYC ↔ FLOAT ↔

















































## Surface Station Model Plot Legend and World-Wide Symbol Counts at 18:25 UTC 24 Nov 2021

Temperature = 31°F  
 Dewpoint = 26°F  
 Visibility = 1 mile (M<sub>1/4</sub> is <0.25 mile report from automated METAR)  
 MSLP = 998.2 mb

31 982  
 1\*\*\*   
 26 G55

Weather = Light snow  
 Wind = 15 kt from the NE  
 Sky = Broken (Mostly Cloudy)  
 Wind Gust = 55kt (plotted only if 30+kt, boxed if 50+kt, and inverted colors if 64+kt.)

 = Clear     = Scattered     = Broken     = Overcast     = Obscured     = Wind or Skyclover Missing

											
Waterspout, Funnel Cloud, or Tornado	Lightning without Thunder	Thunderstorm without Precip. (6)	Thunderstorm with Rain (10)	Thunderstorm with Snow (2)	Thunderstorm with Freezing Rain	Thunderstorm with Hail or Ice Pellets	Thunderstorm without Precip.	Thunderstorm with Heavy Rain (2)	Thunderstorm with Heavy Snow	Thunderstorm with Heavy Freezing Rain	Thunderstorm with Heavy Ice Pellets
											
Light Drizzle (19)	Moderate Drizzle	Heavy Drizzle (6)	Light Rain (95)	Moderate Rain (20)	Heavy Rain (1)	Light Rain Shower (30)	Moderate or Heavy Rain Shower (5)	Light Freezing Drizzle	Moderate or Heavy Freezing Drizzle	Light Freezing Rain	Moderate or Heavy Freezing Rain
											
Light Ice Pellets (1)	Moderate or Heavy Ice Pellets	Light Ice Pellet Shower	Moderate or Heavy Ice Pellet Shower	Rain and Snow (8)	Light Snow (122)	Moderate Snow (8)	Heavy Snow (3)	Light Snow Shower (17)	Moderate or Heavy Snow Shower (3)	Blowing or Drifting Snow (31)	Diamond Dust (Ice Crystals / Ice Needles) (7)
											
Blowing Sand or Dust	Smoke or Volcanic Ash (13)	Unknown Precip. Type (METAR: UP) (6)	Virga (5)	Fog or Mist (108)	Haze (48)	Dust Devils / Whirls	Partial / Total Lunar or Solar Eclipse (3)	Aurora (3)	Trop. Disturbance, Trop. Depression, or Post-Tropical TC	Tropical Storm NH   SH	Hurricane or Typhoon (Cat 3) NH   SH

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Notes: Frames advance after 15-60 seconds depending on frame complexity; (#) below symbols is current world-wide symbol count; ★ = Not official station model symbol.