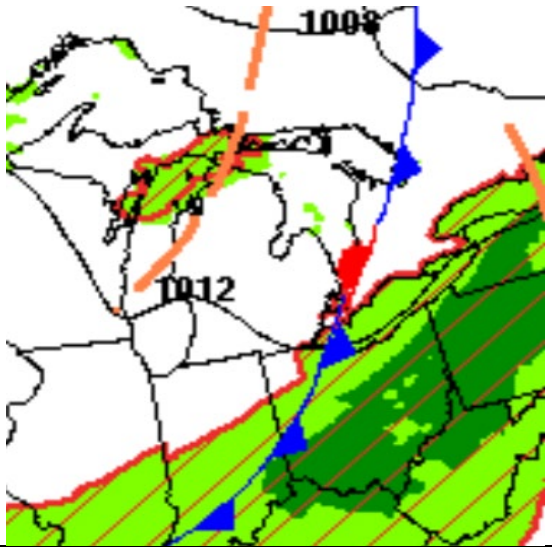
Local time is UTC - 4 hours
2023 magnetic variation is -6.5 degrees
Magnetic + variation = true

United States Women's National Championships
Monday July 17, 2023 PM

KPH * 1.85 = KNOTS

Discussion: The cold front has passed and gone stationary near Lake Erie (Toledo). A weak trough is near the NW edge of the Lower Penisula of Michigan. The 1012 isobar line implies we are in a small ridge of high pressure.



Observations: KARB -31NM E;KBTL-32NM WNW;KLAN-32NM NNW; KOEB-28NM SW

KJXN 172156Z 27007KT 10SM FEW055 24/12 A2989

KARB 172153Z 27011KT 10SM CLR 26/12 A2986

KBTL 172153Z 27012G18KT 10SM CLR 25/09 A2992

KLAN 172153Z 29015KT 10SM CLR 25/10 A2990

KOEB 172155Z AUTO 31007G14KT 270V330 10SM CLR 24/13 A2991

Winds Aloft:	**Direction FROM and KNOTS**
3000	270 @ 20 knots
6000	260 @ 30 knots
9000	260 @ 37 knots

Terminal: KJXN -only 5 mile radius

KJXN 171740Z 1718/1818 28012KT P6SM BKN050; FM180000 VRB03KT P6SM SKC;

KNOTS TRUE FROM ABOVE | KPH MAG TO BELOW

RUC Winds

7:00 PM

Alt MSL (ft)	Direction MAG TO	Speed KPH	Speed KNOTS
1070	115	19	10
1168	115	24	13
1332	115	28	15
1611	114	30	16
2011	114	30	16
2539	113	30	16
2546	113	30	16
3166	112	30	16
3878	110	30	16
4669	107	28	15
4911	103	28	15
5564	94	26	14
6578	88	26	14
7720	83	30	16
8996	93	46	25

8:00 PM

Direction MAG TO	Speed KPH	Speed KNOTS
124	17	9
124	22	12
125	26	14
124	28	15
124	30	16
124	30	16
124	30	16
122	28	15
120	28	15
105	24	13
100	24	13
89	26	14
82	30	16
88	43	23
96	46	25

Pibal winds

PIBAL WINDS VIA REMIND THIS EVENING, YOU WILL DO YOUR OWN KNOTS

Alt MSL (ft)	Direction TO	Speed KPH	Speed KNOTS
1113			
1320			
1520			
1720			
1919			
2119			
2319			
2519			
2719			
2919			
3118			
3318			
3518			
3718			

Direction TO	Speed KPH	Speed KNOTS