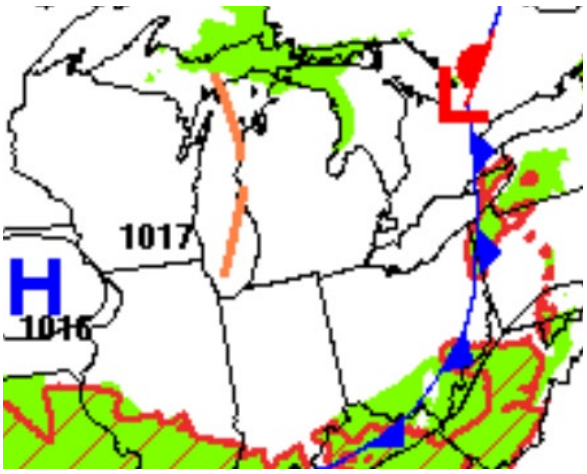
Local time is UTC - 4 hours
2023 magnetic variation is -6.5 degrees
Magnetic + variation = true

United States Women's National Championships
Tuesday July 18, 2023 AM

KPH * 1.85 = KNOTS

Discussion: Cold front has left the area with high pressure dominating our weather. Light winds are expected to generally flow from the NW through the first 3 or 4000 feet AGL. Winds may go lighter as the flight window wears on. A weak trough is over Lake Michigan and is not expected to impact our weather



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

KJXN 180856Z AUTO 00000KT 10SM CLR 10/10 A2996
KARB 180855Z AUTO 00000KT 1 3/4SM BR CLR 10/09 A2995
KBTL 180853Z AUTO 00000KT 10SM CLR 13/11 A2996
KLAN 180853Z 26003KT 10SM FEW080 14/11 A2996
KOEB 180855Z AUTO 00000KT 10SM CLR 11/11 A2997

Winds Aloft:	**Direction FROM and KNOTS**
3000	Light and Variable
6000	240@ 12 knots
9000	280 @ 26 knots

Terminal: KJXN -only 5 mile radius

KJXN 180525Z 1806/1906 VRB03KT P6SM SKC

KNOTS ABOVE | KPH MAG BELOW

RUC Winds

7am

Alt MSL (ft)	Direction MAG TO	Speed KPH	Speed KNOTS
1070	355	4	2
1168	86	2	1
1332	145	4	2
1611	153	6	3
2011	166	7	4
2539	172	9	5
2546	170	9	5
3166	164	11	6
3878	140	15	8
4669	122	22	12
4911	122	22	12
5564	121	24	13
6578	108	17	9
7720	78	22	12
8996	98	30	16

8am

Direction MAG TO	Speed KPH	Speed KNOTS
19	2	1
87	2	1
139	4	2
147	6	3
155	7	4
163	7	4
162	7	4
160	9	5
139	13	7
122	20	11
120	22	12
117	24	13
98	19	10
82	26	14
100	31	17

Pibal winds

5:00 AM

Alt MSL (ft)	Direction TO	Speed KPH	Speed KNOTS
1113	87	7	4
1320	125	18	9
1520	139	18	10
1720	153	16	9
1919	159	16	8
2119	157	17	9
2319	154	17	9
2519	153	17	9
2719	152	17	9
2919	153	16	9
3118	153	15	8
3318	147	17	9
3518	138	16	8
3718	139	15	8
3918	138	16	8
4118	137	20	11
4318	135	18	10
4518	133	18	10
4718	132	19	10
4918	128	19	10
5118	133	19	10
5318	125	20	11

Direction TO	Speed KPH	Speed KNOTS