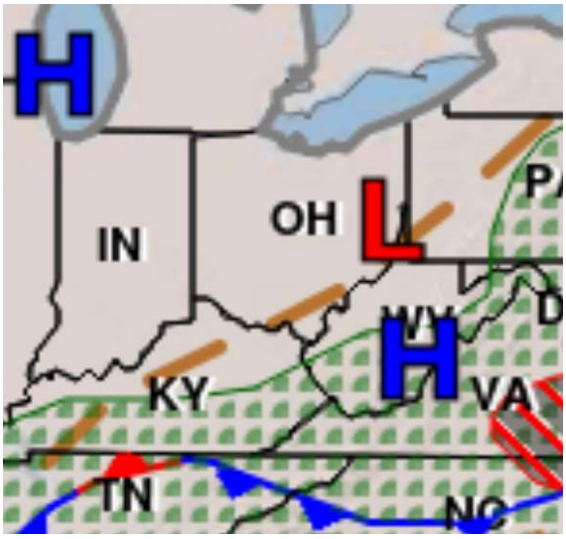
Local time is UTC - 4 hours
2024 magnetic variation is 4 West
True + 4 = Magnetic

The Ohio Challenge
Saturday July 20, 2024 PM

KNOTS * 1.85 = KPH

Discussion: We are centered between and High and Low Pressure system with a stationary front south of us cutting through Tennesse.



Observations: KI68 -8NM SE;KMGY 9NM NE;KHAO-12NM SW ; KOXD-18NM W;KDAY 28NM NNW

KMWO
KMWO 202155Z AUTO 35005KT 10SM CLR 27/14 A3008

KI68
KI68 202155Z AUTO 32003KT 10SM CLR 27/17 A3007

KMGY
KMGY 202153Z AUTO 29008KT 10SM CLR 27/13 A3007

KHAO
KHAO 202153Z AUTO VRB03KT 10SM CLR 28/14 A3009

Winds Aloft:	Direction FROM and KNOTS
3000	040 @ 4 knots
6000	234 @ 14 knots
9000	254 @ 7 knots

Terminal: KDAY-only 5 mile radius **DOES NOT INCLUDE KMWO**

TAF KDAY 201744Z 2018/2118 34005KT P6SM SCT060
FM210100 36004KT P6SM FEW080 SCT250
FM210800 03004KT P6SM SCT080 SCT250
FM211600 06005KT P6SM SCT050 BKN080

KNOTS FROM TRUE ABOVE

KPH TO MAG BELOW

Pibal winds

7:30 AM

Alt MSL (ft)	Direction TO	Speed KPH	Speed KNOTS

8:00 AM

Direction TO	Speed KPH	Speed KNOTS

RUC Winds

7:00 PM

Alt MSL (ft)	Direction MAG TO	Speed KPH	Speed KNOTS
906	**132**	6	3
1004	**134**	7	4
1175	**133**	7	4
1453	**133**	7	4
1864	**135**	7	4
2392	**138**	6	3
2743	**141**	4	2
3028	**144**	4	2
3747	**156**	4	2
4547	**206**	2	1
5118	**249**	4	2
5449	**274**	4	2
6476	**302**	6	3
7635	**54**	4	2
8940	**124**	13	7

8:00 PM

Direction MAG TO	Speed KPH	Speed KNOTS
146	7	4
147	11	6
147	11	6
149	11	6
151	11	6
156	9	5
161	9	5
165	9	5
180	7	4
214	6	3
253	7	4
275	7	4
314	9	5
11	7	4
125	7	4