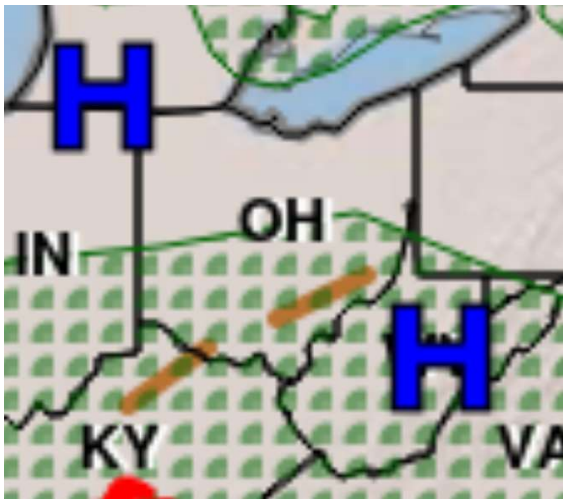
Local time is UTC - 4 hours
2024 magnetic variation is 4 West
True + 4 = Magnetic

The Ohio Challenge
Sunday July 21, 2024 AM

KNOTS * 1.85 = KPH

Discussion: We are centered between two highs, and a low, with a stationary front still going through Tennesse. A small low level jet will be present this morning but not expected to mix with the surface.



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

KMWO KMWO 210915Z AUTO 03003KT 10SM CLR 16/ A3010
KI68 KI68 210915Z AUTO 02005KT 10SM CLR 18/18 A3009
KMGY KMGY 210853Z AUTO 05003KT 10SM CLR 17/14 A3010
KHAO KHAO 210853Z AUTO 00000KT 10SM FEW090 16/15 A3010

Winds Aloft:	**Direction FROM and KNOTS**
3000	041 @ 5 knots
6000	273 @ 8 knots
9000	263 @ 9 knots

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

TAF KDAY 210537Z 2106/2206 01004KT P6SM BKN250
FM211300 05004KT P6SM BKN200
FM211900 03006KT P6SM SCT070 BKN150

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 AM

Alt MSL (ft)	Direction MAG TO	Speed KPH	Speed KNOTS
906	**186**	6	3
1001	**217**	13	7
1168	**230**	17	9
1444	**240**	15	8
1847	**247**	13	7
2369	**245**	13	7
2756	**248**	13	7
2999	**250**	13	7
3711	**256**	9	5
4508	**119**	4	2
5121	**95**	15	8
5410	**84**	20	11
6440	**81**	33	18
7598	**94**	31	17
8907	**100**	9	5

8:00 AM

Direction MAG TO	Speed KPH	Speed KNOTS
201	6	3
216	15	8
230	17	9
239	17	9
244	15	8
241	13	7
245	13	7
247	13	7
257	9	5
114	2	1
95	17	9
86	22	12
83	31	17
93	30	16
84	9	5