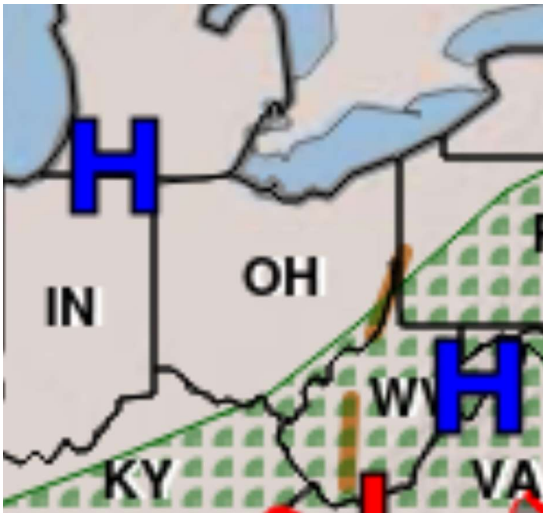
Local time is UTC - 4 hours
2024 magnetic variation is 4 West
True + 4 = Magnetic

The Ohio Challenge
Friday July 19, 2024 PM

KNOTS * 1.85 = KPH

Discussion: The high pressure from yesterday has shifted further south providing a stable air mass, which is forecasted to remain through the evening. There is a small low level jet this morning, but the surface winds will remain below 10 knots.



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

KMWO KMWO 200915Z AUTO 03005KT 10SM SCT060 16/15 A3012
KI68 KI68 200915Z AUTO 01004KT 10SM OVC060 16/16 A3010
KMGY KMGY 200853Z AUTO 05006KT 10SM CLR 16/11 A3011
KHAO KHAO 200853Z AUTO 00000KT 10SM BKN065 16/14 A3012

Winds Aloft:	**Direction FROM and KNOTS**
3000	135 @ 2 knots
6000	249 @ 8 knots
9000	252 @ 11 knots

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

KDAY 191753Z 1918/2018 05005KT P6SM SCT050
FM201000 03005KT P6SM FEW250
FM201600 01005KT P6SM SCT040

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	**181**	7	4
1001	**204**	13	7
1165	**242**	19	10
1440	**253**	19	10
1841	**241**	19	10
2365	**241**	19	10
2779	**250**	15	8
2992	**255**	13	7
3704	**274**	4	2
4498	**97**	13	7
5135	**88**	20	11
5394	**84**	24	13
6417	**70**	30	16
7572	**71**	26	14
8878	**52**	17	9

8:00 AM

Direction MAG TO	Speed KPH	Speed KNOTS
199	6	3
208	13	7
237	19	10
248	19	10
239	19	10
241	19	10
248	15	8
252	13	7
227	4	2
107	13	7
91	17	9
84	19	10
70	26	14
71	24	13
55	20	11