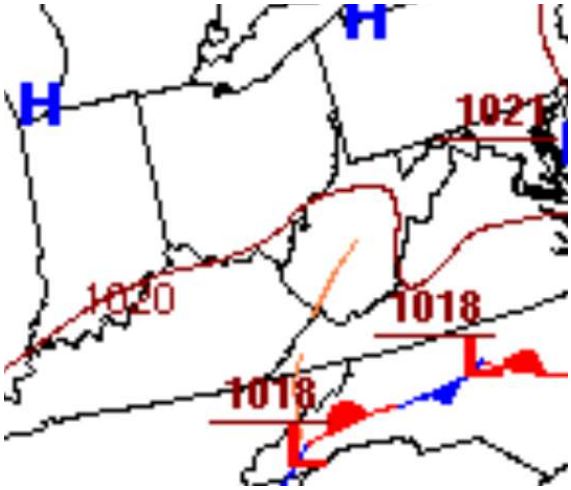
Local time is UTC - 4 hours
2024 magnetic variation is 4 West
True + 4 = Magnetic

The Ohio Challenge
Friday July 19, 2024 PM

KNOTS * 1.85 = KPH

Discussion: Area is impacted by a high pressure with winds heading to the south. It is forecast to be light and variable above 4000 ft.



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

KMWO
KMWO 192035Z AUTO 35005KT 10SM CLR 27/14 A3013

KI68
KI68 192035Z AUTO 05007G13KT 010V130 10SM CLR

KMGY
KMGY 191953Z AUTO 04007KT 10SM CLR 27/11 A3013

KHAO
KHAO 191953Z AUTO VRB03KT 10SM CLR 27/12 A3014

Winds Aloft:	**Direction FROM and KNOTS**
3000	060 @ 7 knots
6000	010 @ 2 knots
9000	290 @ 2 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 PM

Alt MSL (ft)	Direction MAG TO	Speed KPH	Speed KNOTS
906	**190**	9	5
1004	**190**	9	5
1175	**191**	9	5
1453	**193**	11	6
1860	**196**	11	6
2388	**199**	9	5
2762	**204**	9	5
3022	**207**	9	5
3737	**215**	9	5
4534	**229**	9	5
5128	**242**	9	5
5436	**249**	9	5
6457	**259**	9	5
7608	**281**	9	5
8911	**37**	9	5

8:00 PM

Direction MAG TO	Speed KPH	Speed KNOTS
192	11	6
194	15	8
195	17	9
197	17	9
200	17	9
204	17	9
207	17	9
210	17	9
220	15	8
232	15	8
242	13	7
247	13	7
257	13	7
289	9	5
39	11	6