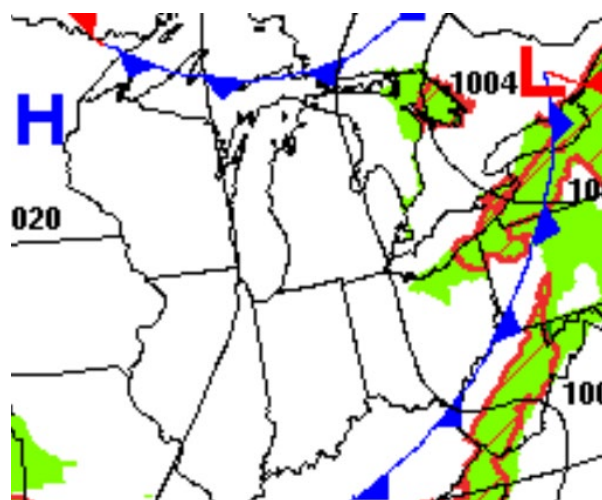


Local time is UTC - 4 hours
 2023 magnetic variation is -6.5 degrees
 Magnetic + variation = true

United States Women's National Championships
Friday July 21, 2023 AM

KPH * 1.85 = KNOTS

Discussion: A return to high pressure with no precipitation in the area. The high to our WNW is influencing our winds with flow towards the South. There is a potential of a broken layer at 3500 during the flight window.



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

KJXN 210856Z AUTO 30004KT 10SM CLR 17/15 A2990

KARB 210853Z AUTO 29004KT 10SM CLR 17/15 A2986

KBTL 210853Z AUTO 33006KT 10SM SCT011 17/16 A2992

KLAN 210853Z 32008KT 10SM SCT022 17/14 A2991

KOEB 210855Z AUTO 32004KT 10SM CLR 16/16 A2992

Winds Aloft: Direction FROM and KNOTS

| | |
|------|----------------|
| 3000 | 360 @ 18 knots |
| 6000 | 340 @ 16 knots |
| 9000 | 320 @ 20 knots |

Terminal: KJXN -only 5 mile radius

KJXN 210540Z 2106/2206 31009KT P6SM BKN035 ; FM211200
 33010KT P6SM BKN017

KNOTS TRUE ABOVE

KPH MAG BELOW

Pibal winds

4:30 AM

| Alt MSL (ft) | Direction TO | Speed KPH | Speed KNOTS |
|--------------|--------------|-----------|-------------|
| 1107 | 149 | 13.3 | 7 |
| 1314 | 150 | 15.4 | 8 |
| 1514 | 163 | 30.3 | 16 |
| 1714 | 175 | 32.1 | 17 |
| 1913 | 181 | 29.6 | 16 |
| 2113 | 179 | 30.5 | 16 |
| 2313 | 177 | 30.8 | 17 |
| 2513 | 183 | 31.0 | 17 |
| 2713 | 182 | 32.1 | 17 |
| 2912 | 183 | 26.9 | 15 |
| 3112 | 179 | 26.7 | 14 |
| 3312 | 181 | 26.8 | 14 |
| 3512 | 181 | 22.7 | 12 |
| 3712 | 182 | 22.0 | 12 |
| 3911 | 176 | 26.0 | 14 |
| 4111 | 176 | 26.0 | 14 |
| 4311 | 176 | 26.0 | 14 |
| 4511 | 176 | 26.0 | 14 |
| 4711 | 176 | 26.0 | 14 |
| 4910 | 169 | 26.2 | 14 |
| 5110 | 172 | 26.1 | 14 |
| 5310 | 172 | 26.1 | 14 |
| 5510 | 164 | 26.6 | 14 |
| 5710 | 163 | 26.6 | 14 |
| 5909 | 168 | 34.2 | 18 |
| 6109 | 167 | 34.6 | 19 |
| 6309 | 170 | 35.7 | 19 |
| 6509 | 170 | 36.6 | 20 |
| 6709 | 170 | 47.9 | 26 |
| 6908 | 169 | 38.5 | 21 |
| 7108 | 165 | 40.4 | 22 |
| 7308 | 165 | 41.4 | 22 |

5:00 AM

| Direction TO | Speed KPH | Speed KNOTS |
|--------------|-----------|-------------|
| 173 | 9 | 5 |
| 151 | 23 | 13 |
| 161 | 30 | 16 |
| 176 | 35 | 19 |
| 182 | 38 | 21 |
| 186 | 38 | 20 |
| 186 | 34 | 18 |
| 182 | 35 | 19 |
| 181 | 33 | 18 |
| 182 | 34 | 18 |
| 182 | 30 | 16 |
| 180 | 25 | 14 |
| 178 | 30 | 16 |
| 178 | 24 | 13 |
| 178 | 24 | 13 |
| 178 | 23 | 12 |
| 178 | 22 | 12 |
| 178 | 28 | 15 |
| 178 | 22 | 12 |
| 178 | 28 | 15 |
| 178 | 28 | 15 |
| 178 | 28 | 15 |
| 178 | 28 | 15 |
| 175 | 37 | 20 |
| 175 | 38 | 21 |
| 174 | 39 | 21 |
| 174 | 40 | 22 |

RUC Winds

7am

| Alt MSL (ft) | Direction MAG TO | Speed KPH | Speed KNOTS |
|--------------|------------------|-----------|-------------|
| 1070 | 167 | 9 | 5 |
| 1165 | 171 | 20 | 11 |
| 1332 | 174 | 24 | 13 |
| 1604 | 183 | 33 | 18 |
| 1998 | 189 | 37 | 20 |
| 2516 | 195 | 33 | 18 |
| 2582 | 194 | 33 | 18 |
| 3133 | 189 | 30 | 16 |
| 3835 | 175 | 28 | 15 |
| 4619 | 173 | 28 | 15 |
| 4915 | 173 | 28 | 15 |
| 5509 | 174 | 26 | 14 |
| 6519 | 174 | 26 | 14 |
| 7661 | 176 | 30 | 16 |
| 8947 | 171 | 31 | 17 |

8am

| Direction MAG TO | Speed KPH | Speed KNOTS |
|------------------|-----------|-------------|
| 180 | 15 | 8 |
| 181 | 19 | 10 |
| 182 | 22 | 12 |
| 185 | 28 | 15 |
| 190 | 33 | 18 |
| 191 | 35 | 19 |
| 191 | 35 | 19 |
| 189 | 33 | 18 |
| 176 | 30 | 16 |
| 170 | 28 | 15 |
| 173 | 28 | 15 |
| 179 | 28 | 15 |
| 182 | 28 | 15 |
| 182 | 28 | 15 |
| 174 | 30 | 16 |