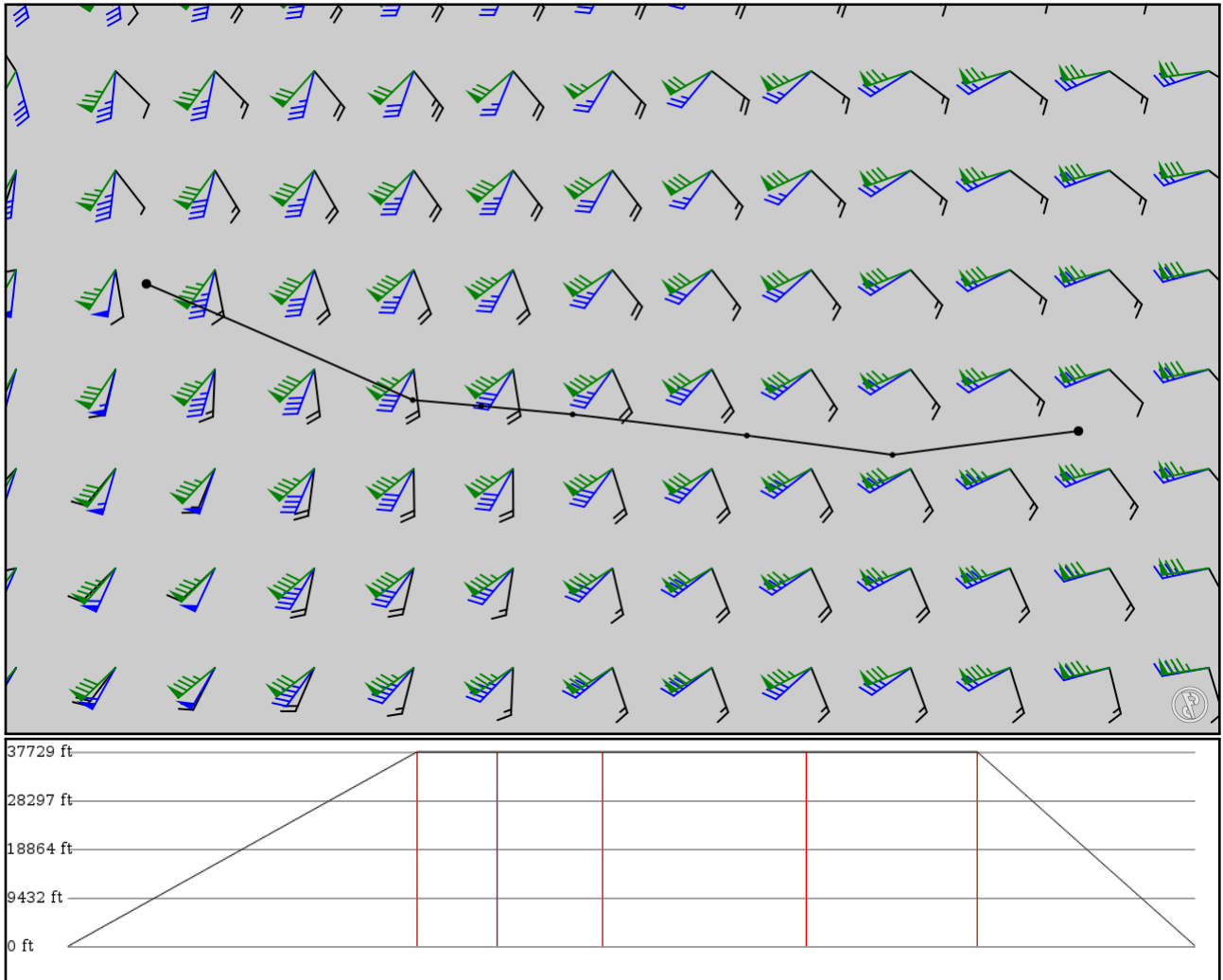


2024/05/05 2211Z

KAKO DEPAY **V108** HLC **V4** WESAL KMHK

319.81 nm / 592.28 km



## Notes

Basic altitude profile:

- Ascent Rate: 500ft/min
- Ascent Speed: 90kts
- Cruise Altitude: 11500ft
- Cruise Speed: 115kts
- Descent Rate: 500ft/min
- Descent Speed: 110kts

Options:

- Use NATs: yes
- Use PACOTS: no
- Use low airways: yes
- Use high airways: no



## Route

| Ident<br>Type | Via            | Lat<br>Lon             | Alt                  | Dist<br>(nm) | Name                     |
|---------------|----------------|------------------------|----------------------|--------------|--------------------------|
| KAKO<br>APT   | -              | 40.17560<br>-103.22200 | 0 ft<br>0 m          | -            | COLORADO PLAINS REGIONAL |
| DEPAY<br>FIX  | -              | 39.35950<br>-101.35000 | 11,500 ft<br>3,505 m | 99           | -                        |
| CUGGA<br>FIX  | V108<br>AWY-LO | 39.31770<br>-100.86900 | 11,500 ft<br>3,505 m | 22           | -                        |
| HLC<br>VOR    | V108<br>AWY-LO | 39.25870<br>-100.22600 | 11,500 ft<br>3,505 m | 30           | HILL CITY                |
| PUQZE<br>FIX  | V4<br>AWY-LO   | 39.11020<br>-99.00200  | 11,500 ft<br>3,505 m | 57           | -                        |
| WESAL<br>FIX  | V4<br>AWY-LO   | 38.97440<br>-97.97790  | 11,500 ft<br>3,505 m | 48           | -                        |
| KMHK<br>APT   | -              | 39.14190<br>-96.67150  | 0 ft<br>0 m          | 61           | Manhattan Rgnl           |

## KMHK

Region: UNITED STATES  
Timezone: AMERICA/CHICAGO  
Runways: 2

Elevation: 1,066 ft / 325 m  
Location: 39.141900 -96.671500  
Magnetic Var: 2.498 E

## METAR

KMHK 052152Z 09007KT 10SM OVC095 16/12 A2994 RMK A02 SLP139 T01610117

## TAF

TAF KMHK 051724Z 0518/0618 11008KT P6SM OVC045 FM060200 12007KT P6SM OVC025 FM060500 12007KT P6SM OVC012 FM060700

## Frequencies

REC - 119.07 MHz - ASOS  
GND - 121.85 MHz - MANHATTAN GROUND  
DEP - 121.25 MHz -  
MARSHALL ARMY AIR BASE DEPARTURE

COM - 118.55 MHz - MANHATTAN UNICOM  
TWR - 118.55 MHz - MANHATTAN TOWER  
APP - 121.25 MHz -  
MARSHALL ARMY AIR BASE APPROACH

## Runways

| Ident | Width  | Length   | Bearing (true)<br>(mag) | Surface  | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|----------|-------------------------|----------|---------------------|-------------------|
| 03    | 150 ft | 7,399 ft | 39.78                   | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 2,255 m  | 37.28                   |          | 0 m                 | 0 m               |
| 21    | 150 ft | 7,399 ft | 219.79                  | CONCRETE | 400 ft              | 0 ft              |
|       | 46 m   | 2,255 m  | 217.30                  |          | 122 m               | 0 m               |
| 13    | 75 ft  | 5,000 ft | 142.34                  | CONCRETE | 0 ft                | 0 ft              |
|       | 23 m   | 1,524 m  | 139.84                  |          | 0 m                 | 0 m               |
| 31    | 75 ft  | 5,000 ft | 322.34                  | CONCRETE | 0 ft                | 0 ft              |
|       | 23 m   | 1,524 m  | 319.85                  |          | 0 m                 | 0 m               |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 03     | LOC-ILS | IMHK  | 111.30 MHz | 18 nm | 39.79                   | -     | 1,066 ft  |
|        |         |       |            | 33 km | 37.29                   |       | 1,066 m   |
| 03     | GS      | IMHK  | 111.30 MHz | 10 nm | 39.79                   | 3.00  | 1,066 ft  |
|        |         |       |            | 19 km | 37.29                   |       | 1,066 m   |