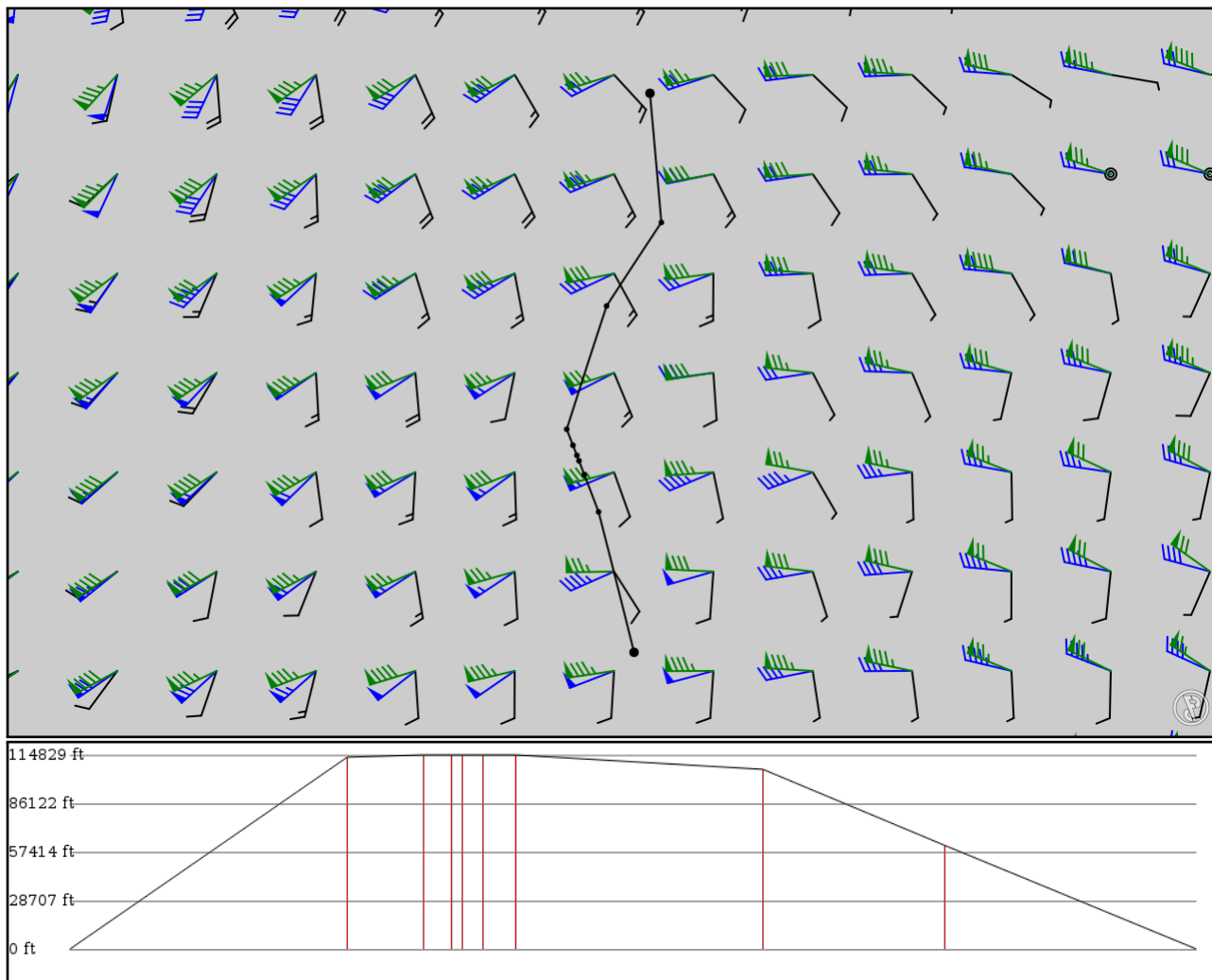


2024/05/23 0539Z

KDAL ZALUN **V17** IRW **J23** PER **V354** OBDW KMHK

393.16 nm / 728.13 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KDAL	-	32.84620	0 ft	-	Dallas Love Field
APT	-	-96.85070	0 m		
ZALUN	-	34.42810	34,600 ft	97	-
FIX	-	-97.25050	10,546 m		
MUSKS	V17	34.84670	35,000 ft	26	-
FIX	AWY-LO	-97.41090	10,668 m		
WETIX	V17	35.00320	35,000 ft	9	-
FIX	AWY-LO	-97.47120	10,668 m		
COFIX	V17	35.06420	35,000 ft	3	-
FIX	AWY-LO	-97.49480	10,668 m		
HAVAK	V17	35.17800	35,000 ft	7	-
FIX	AWY-LO	-97.53890	10,668 m		
IRW	V17	35.35860	35,000 ft	11	WILL ROGERS (OKLAHOMA CITY)
VOR	AWY-LO	-97.60920	10,668 m		
PER	J23	36.74650	32,400 ft	86	PIONEER (PONCA CITY)
VOR	AWY-HI	-97.16020	9,876 m		
OBDW	V354	37.68720	18,700 ft	63	-
FIX	AWY-LO	-96.54350	5,700 m		
KMHK	-	39.14190	0 ft	87	Manhattan Rgnl
APT	-	-96.67150	0 m		

KDAL

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

Elevation: 485 ft / 148 m
Location: 32.846200 -96.850700
Magnetic Var: 2.613 E

METAR

KDAL 230453Z 13007KT 10SM FEW025 SCT060 BKN250 23/22 A2984 RMK A02 SLP098 OCNL LTGIC CB DSNT SE-SW MOV E T02280217

TAF

KDAL 230303Z 2303/2324 07007KT P6SM SCT020 BKN250 FM230700 15011KT P6SM BKN018 FM231700 16014KT P6SM VCTS BKN040C

Frequencies

REC - 133.40 MHz - ATIS	CLD - 127.90 MHz - CLEARANCE DELIVERY
GND - 121.75 MHz - LOVE GROUND	TWR - 123.70 MHz - LOVE TOWER
APP - 125.12 MHz - REGIONAL APPROACH SOUTH	DEP - 125.20 MHz - REGIONAL DEPARTURE SOUTH
DEP - 124.30 MHz - REGIONAL DEPARTURE NORTH	APP - 118.55 MHz - REGIONAL APPROACH NORTH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
13R	151 ft	8,801 ft	135.76	CONCRETE	495 ft	200 ft
	46 m	2,683 m	133.14		151 m	61 m
31L	151 ft	8,801 ft	315.77	CONCRETE	0 ft	197 ft
	46 m	2,683 m	313.15		0 m	60 m
13L	151 ft	7,756 ft	135.77	CONCRETE	0 ft	184 ft
	46 m	2,364 m	133.16		0 m	56 m
31R	151 ft	7,756 ft	315.78	CONCRETE	0 ft	200 ft
	46 m	2,364 m	313.17		0 m	61 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
13L	DME	IDAL	111.50 MHz	18 nm	-	-	501 ft
				33 km	-		501 m
13R	DME	IDPX	111.10 MHz	18 nm	-	-	482 ft
				33 km	-		482 m
31L	DME	ILVF	111.10 MHz	18 nm	-	-	482 ft
				33 km	-		482 m
31R	DME	IOVW	111.50 MHz	18 nm	-	-	501 ft
				33 km	-		501 m
13L	LOC-ILS	IDAL	111.50 MHz	18 nm	135.78	-	487 ft
				33 km	133.16		487 m
13R	LOC-ILS	IDPX	111.10 MHz	18 nm	135.77	-	470 ft
				33 km	133.15		470 m
31L	LOC-ILS	ILVF	111.10 MHz	18 nm	315.75	-	448 ft
				33 km	313.14		448 m
31R	LOC-ILS	IOVW	111.50 MHz	18 nm	315.77	-	487 ft
				33 km	313.15		487 m
13L	GS	IDAL	111.50 MHz	10 nm	136.55	3.00	478 ft
				19 km	133.94		478 m
13R	GS	IDPX	111.10 MHz	10 nm	136.53	3.00	476 ft
				19 km	133.92		476 m
31L	GS	ILVF	111.10 MHz	10 nm	316.51	3.08	476 ft
				19 km	313.89		476 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
31R	GS	IOVW	111.50 MHz	10 nm	316.54	3.00	480 ft
				19 km	313.92		480 m

KMHK

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

Elevation: 1,066 ft / 325 m
Location: 39.141900 -96.671500
Magnetic Var: 2.493 E

METAR

KMHK 230452Z AUTO 00000KT 10SM CLR 14/12 A2991 RMK A02 SLP124 T01440117

TAF

TAF KMHK 222320Z 2300/2324 15004KT P6SM FEW060 FM231600 16010KT P6SM SCT040

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) (mag)	Surface	Threshold Offset	Overrun Length
03	150 ft	7,399 ft	39.78	CONCRETE	0 ft	0 ft
	46 m	2,255 m	37.29		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) (mag)	Slope	Elevation
03	LOC-ILS	IMHK	111.30 MHz	18 nm	39.79	-	1,066 ft
				33 km	37.30		1,066 m
03	GS	IMHK	111.30 MHz	10 nm	39.79	3.00	1,066 ft
				19 km	37.30		1,066 m