

# KMSN

Dane County Rgnl-Truax Field

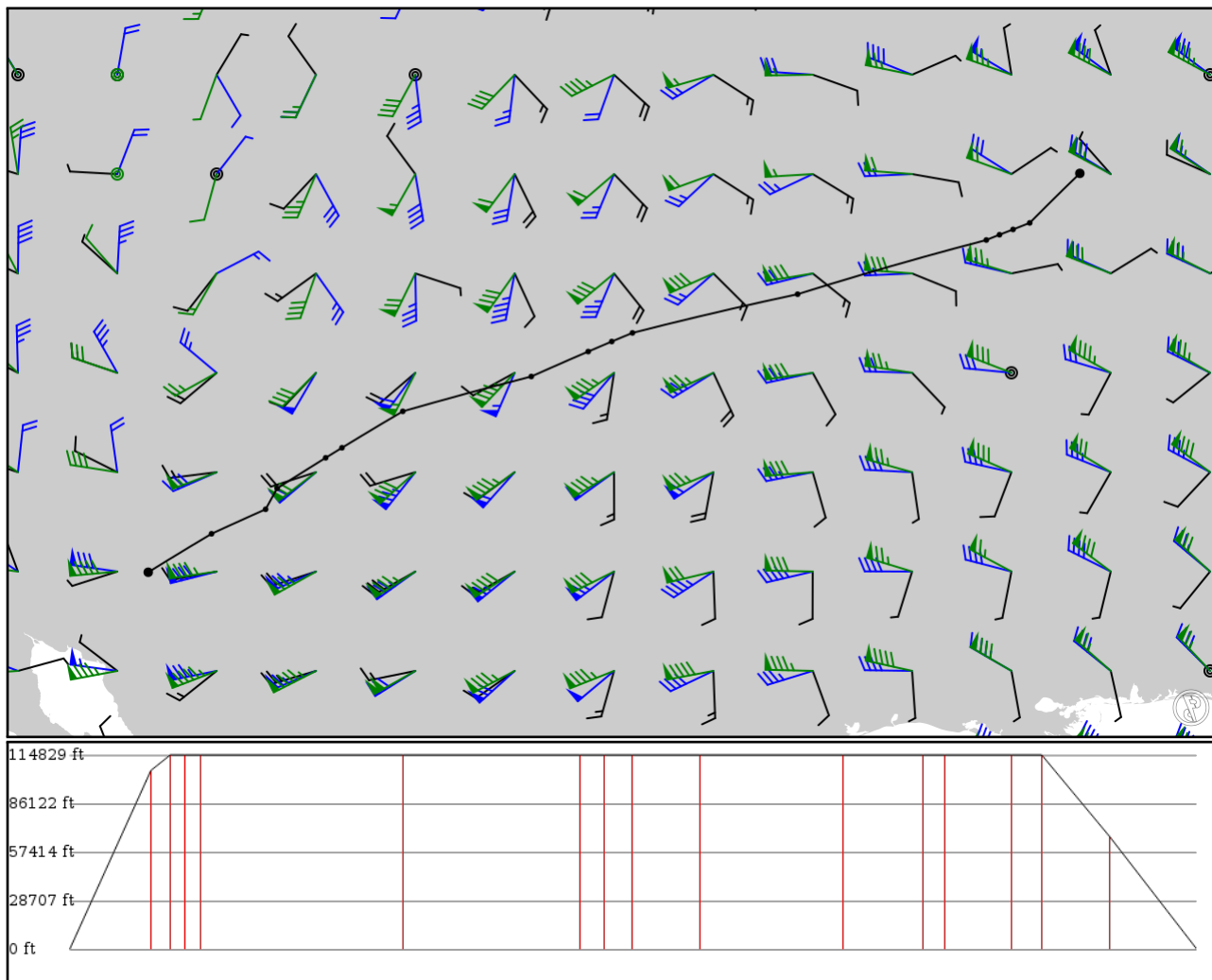
# KPHX

Phoenix Sky Harbor Intl

2024/06/15 1539Z

KMSN LOTTE V216 IOW J192 PWE J64 HLC V216 LAA J102 ZUN J19 CHEAR KPHX

1238.47 nm / 2293.64 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
KMSN	-	43.14030	0 ft	-	Dane County Rgnl-Truax Field
APT	-	-89.33700	0 m		
LOTTE	-	41.93550	32,200 ft	90	-
FIX	-	-90.55690	9,815 m		
BILOX	V216	41.77610	35,000 ft	20	-
FIX	AWY-LO	-90.96250	10,668 m		
REZIE	V216	41.64690	35,000 ft	16	-
FIX	AWY-LO	-91.29290	10,668 m		
IOW	V216	41.51900	35,000 ft	16	IOWA CITY
VOR	AWY-LO	-91.61330	10,668 m		
PWE	J192	40.20040	35,000 ft	223	PAWNEE CITY
VOR	AWY-HI	-96.20630	10,668 m		
HLC	J64	39.25870	35,000 ft	194	HILL CITY
VOR	AWY-HI	-100.22600	10,668 m		
ORION	V216	39.04820	35,000 ft	26	-
FIX	AWY-LO	-100.73000	10,668 m		
WILVA	V216	38.80450	35,000 ft	30	-
FIX	AWY-LO	-101.30300	10,668 m		
LAA	V216	38.19710	35,000 ft	74	LAMAR
VOR	AWY-LO	-102.68800	10,668 m		
ALS	J102	37.34920	35,000 ft	156	ALAMOSA
VOR	AWY-HI	-105.81600	10,668 m		
RGINA	J102	36.46300	35,000 ft	88	-
FIX	AWY-HI	-107.29600	10,668 m		
PUMPS	J102	36.21850	35,000 ft	24	-
FIX	AWY-HI	-107.69300	10,668 m		
GUP	J102	35.47600	35,000 ft	72	GALLUP
VOR	AWY-HI	-108.87300	10,668 m		
ZUN	J102	34.96580	35,000 ft	33	ZUNI
VOR	AWY-HI	-109.15500	10,668 m		
CHEAR	J19	34.36990	20,300 ft	74	-
FIX	AWY-HI	-110.47100	6,187 m		
KPHX	-	33.43360	0 ft	95	Phoenix Sky Harbor Intl
APT	-	-112.01200	0 m		

## KMSN

Region: UNITED STATES  
Timezone: AMERICA/CHICAGO  
Runways: 3

Elevation: 886 ft / 270 m  
Location: 43.140300 -89.337000  
Magnetic Var: 3.159 W

## METAR

KMSN 151453Z 12005KT 10SM FEW150 SCT180 BKN230 22/13 A3009 RMK A02 SLP185 T02220128 58014

## TAF

TAF AMD KMSN 151525Z 1515/1612 12005KT P6SM SCT180 BKN230 FM152000 14007G18KT P6SM BKN220 FM160900 17011G22KT P6S

## Frequencies

REC - 124.65 MHz - MADISON ATIS	COM - 119.30 MHz - MADISON CTAF
COM - 122.95 MHz - MADISON UNICOM	CLD - 121.62 MHz - MADISON CLEARANCE DELIVERY
GND - 121.90 MHz - MADISON GROUND	TWR - 119.30 MHz - MADISON TOWER
APP - 133.30 MHz - LONE ROCK RCAG	APP - 120.10 MHz - MADISON APPROACH
APP - 135.45 MHz - MADISON APPROACH	APP - 135.45 MHz - MADISON DEPARTURE
DEP - 120.10 MHz - MADISON DEPARTURE	DEP - 133.30 MHz - LONE ROCK RCAG

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
14	150 ft	5,843 ft	136.55	CONCRETE	482 ft	0 ft
	46 m	1,781 m	139.71		147 m	0 m
32	150 ft	5,843 ft	316.56	CONCRETE	0 ft	49 ft
	46 m	1,781 m	319.72		0 m	15 m
18	150 ft	9,023 ft	181.95	CONCRETE	400 ft	597 ft
	46 m	2,750 m	185.11		122 m	182 m
36	150 ft	9,023 ft	1.95	CONCRETE	1,010 ft	0 ft
	46 m	2,750 m	5.11		308 m	0 m
03	150 ft	7,203 ft	28.89	CONCRETE	436 ft	0 ft
	46 m	2,196 m	32.05		133 m	0 m
21	150 ft	7,203 ft	208.90	CONCRETE	0 ft	0 ft
	46 m	2,196 m	212.06		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
21	DME	DQJ	111.55 MHz	18 nm	-	-	855 ft
				33 km	-		855 m
18	LOC-ILS	IDSZ	110.10 MHz	18 nm	181.95	-	887 ft
				33 km	185.11		887 m
21	LOC-ILS	IDQJ	111.55 MHz	18 nm	208.90	-	887 ft
				33 km	212.06		887 m
36	LOC-ILS	IMSN	110.10 MHz	18 nm	1.95	-	887 ft
				33 km	5.11		887 m
18	GS	IDSZ	110.10 MHz	10 nm	181.95	3.00	887 ft
				19 km	185.11		887 m
21	GS	IDQJ	111.55 MHz	10 nm	208.90	3.00	887 ft
				19 km	212.06		887 m
36	GS	IMSN	110.10 MHz	10 nm	1.95	3.00	887 ft
				19 km	5.11		887 m

## KPHX

Region: UNITED STATES  
Timezone: AMERICA/PHOENIX  
Runways: 3

Elevation: 1,135 ft / 346 m  
Location: 33.433600 -112.012000  
Magnetic Var: 9.711 E

## METAR

KPHX 151451Z 12006KT 10SM CLR 32/M02 A2978 RMK A02 SLP061 T03171017 53013

## TAF

TAF AMD KPHX 151450Z 1515/1618 12005KT P6SM SKC FM151700 VRB05KT P6SM SKC TEMPO 1521/1523 25005KT FM152300 27010G

## Frequencies

REC - 127.57 MHz - ATIS	CLD - 118.10 MHz - CLEARANCE DELIVERY
GND - 119.75 MHz - GROUND NORTH	GND - 132.55 MHz - GROUND SOUTH
TWR - 118.70 MHz - TOWER NORTH	TWR - 120.90 MHz - TOWER SOUTH
APP - 128.65 MHz - PHOENIX APPROACH	APP - 120.70 MHz - PHOENIX APPROACH
DEP - 124.10 MHz - PHOENIX APPROACH	DEP - 126.80 MHz - PHOENIX DEPARTURE
DEP - 124.90 MHz - PHOENIX DEPARTURE	DEP - 123.70 MHz - PHOENIX DEPARTURE
DEP - 119.20 MHz - PHOENIX DEPARTURE	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
08	151 ft	11,500 ft	90.06	CONCRETE	912 ft	0 ft
	46 m	3,505 m	80.35		278 m	0 m
26	151 ft	11,500 ft	270.08	CONCRETE	0 ft	0 ft
	46 m	3,505 m	260.37		0 m	0 m
07L	151 ft	10,308 ft	90.04	CONCRETE	0 ft	0 ft
	46 m	3,142 m	80.32		0 m	0 m
25R	151 ft	10,308 ft	270.06	CONCRETE	0 ft	0 ft
	46 m	3,142 m	260.34		0 m	0 m
07R	151 ft	7,806 ft	90.04	CONCRETE	0 ft	0 ft
	46 m	2,379 m	80.32		0 m	0 m
25L	151 ft	7,806 ft	270.05	CONCRETE	0 ft	0 ft
	46 m	2,379 m	260.34		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07L	DME	IPHX	111.50 MHz	18 nm	-	-	1,142 ft
				33 km	-		1,142 m
07R	DME	IAHA	110.75 MHz	18 nm	-	-	1,135 ft
				33 km	-		1,135 m
08	DME	ISYQ	111.75 MHz	18 nm	-	-	1,149 ft
				33 km	-		1,149 m
25L	DME	IRJG	110.75 MHz	18 nm	-	-	1,135 ft
				33 km	-		1,135 m
26	DME	CWJ	111.75 MHz	18 nm	-	-	1,119 ft
				33 km	-		1,119 m
07L	LOC-ILS	IPHX	111.50 MHz	18 nm	90.05	-	1,135 ft
				33 km	80.34		1,135 m
07R	LOC-ILS	IAHA	110.75 MHz	18 nm	90.04	-	1,135 ft
				33 km	80.33		1,135 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08	LOC-ILS	ISYQ	111.75 MHz	18 nm 33 km	90.07 80.36	-	1,135 ft 1,135 m
25L	LOC-ILS	IRJG	110.75 MHz	18 nm 33 km	270.04 260.33	-	1,135 ft 1,135 m
26	LOC-ILS	ICWJ	111.75 MHz	18 nm 33 km	270.07 260.36	-	1,135 ft 1,135 m
07L	GS	IPHX	111.50 MHz	10 nm 19 km	90.05 80.34	3.01	1,135 ft 1,135 m
07R	GS	IAHA	110.75 MHz	10 nm 19 km	90.04 80.33	3.01	1,135 ft 1,135 m
08	GS	ISYQ	111.75 MHz	10 nm 19 km	90.70 80.99	3.01	1,135 ft 1,135 m
25L	GS	IRJG	110.75 MHz	10 nm 19 km	270.04 260.33	3.00	1,135 ft 1,135 m
26	GS	ICWJ	111.75 MHz	10 nm 19 km	270.70 260.99	3.00	1,135 ft 1,135 m