

# KSAN

San Diego Intl

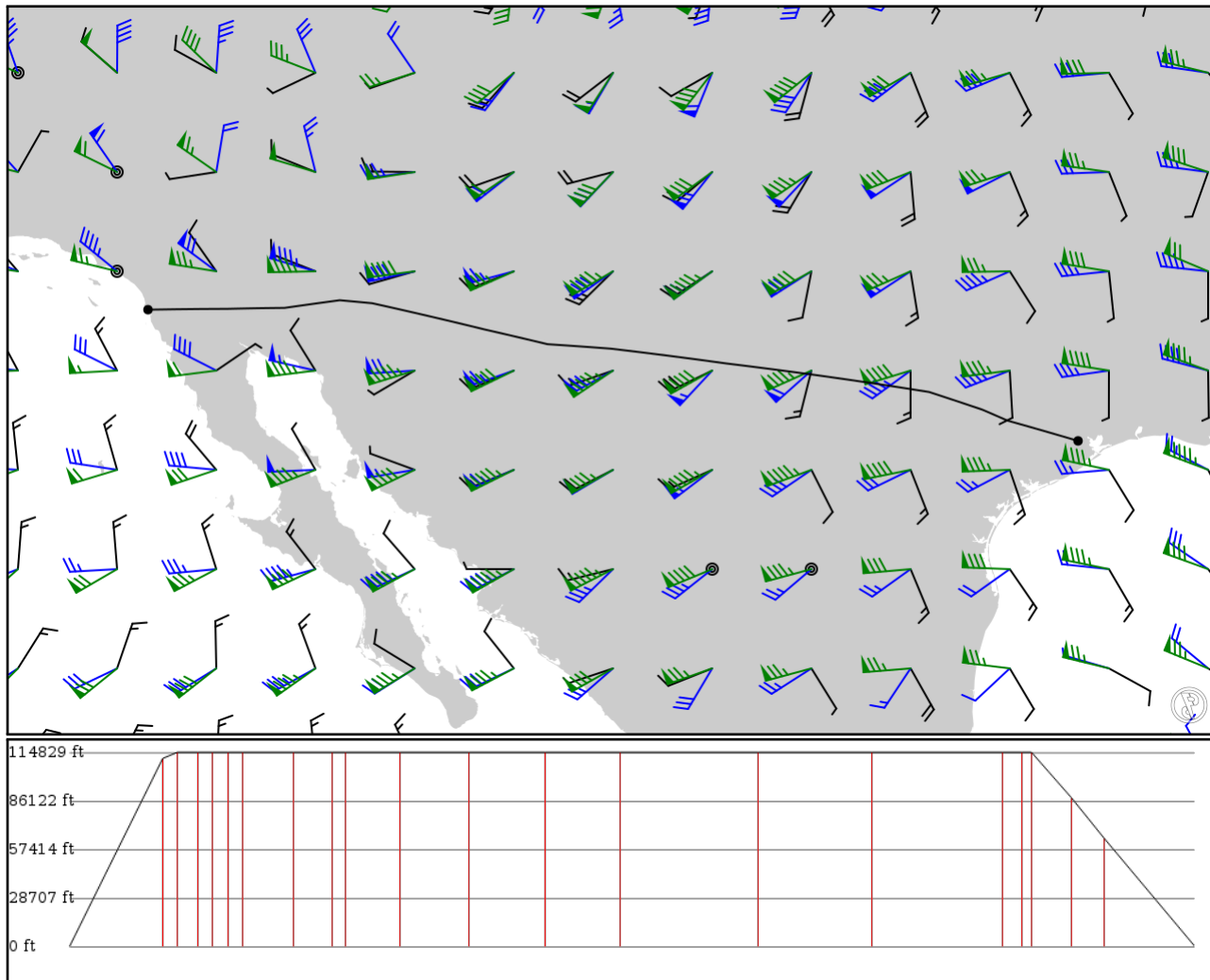
# KHOU

William P. Hobby Airport

2024/05/29 0501Z

KSAN ARGUS **V458** HEEDS **J18** BZA **V66** MOHAK **J18** GBN **J50** ALIBY **J2** ELP **J183** LLO **V76** CWK **V558** MOUZE KHOU

1146.00 nm / 2122.40 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
KSAN APT	-	32.73360 -117.19000	0 ft 0 m	-	San Diego Intl
ARGUS FIX	-	32.75360 -115.31100	33,900 ft 10,333 m	94	-
HEEDS FIX	V458 AWY-LO	32.76030 -115.00800	35,000 ft 10,668 m	15	-
BZA VOR	J18 AWY-HI	32.76810 -114.60300	35,000 ft 10,668 m	20	BARD (YUMA)
WARTT FIX	V66 AWY-LO	32.77210 -114.30600	35,000 ft 10,668 m	15	-
MOHAK FIX	V66 AWY-LO	32.77580 -113.97200	35,000 ft 10,668 m	16	-
JUDTH FIX	J18 AWY-HI	32.81650 -113.68800	35,000 ft 10,668 m	14	-
GBN VOR	J18 AWY-HI	32.95630 -112.67400	35,000 ft 10,668 m	51	GILA BEND
TFD VOR	J50 AWY-HI	32.88590 -111.90900	35,000 ft 10,668 m	38	STANFIELD (CASA GRANDE)
TOTEC FIX	J50 AWY-HI	32.82660 -111.64200	35,000 ft 10,668 m	13	-
ITEMM FIX	J50 AWY-HI	32.58650 -110.59000	35,000 ft 10,668 m	55	-
SSO VOR	J50 AWY-HI	32.26920 -109.26300	35,000 ft 10,668 m	69	SAN SIMON
ALIBY FIX	J50 AWY-HI	31.92130 -107.77900	35,000 ft 10,668 m	78	-
ELP VOR	J2 AWY-HI	31.81590 -106.28200	35,000 ft 10,668 m	76	EL PASO
PEQ VOR	J183 AWY-HI	31.46930 -103.57500	35,000 ft 10,668 m	139	PECOS (PECOS CITY)
FUSCO FIX	J183 AWY-HI	31.17690 -101.32900	35,000 ft 10,668 m	116	-
LLO VOR	J183 AWY-HI	30.79630 -98.78740	35,000 ft 10,668 m	132	LLANO
MOGWI FIX	V76 AWY-LO	30.68070 -98.43440	35,000 ft 10,668 m	19	-
BASIS FIX	V76 AWY-LO	30.62290 -98.25960	35,000 ft 10,668 m	9	-
CWK VOR	V76 AWY-LO	30.37850 -97.52980	26,800 ft 8,169 m	40	CENTEX
MOUZE FIX	V558 AWY-LO	30.12300 -96.94160	19,500 ft 5,944 m	34	-
KHOU APT	-	29.64550 -95.27910	0 ft 0 m	91	William P. Hobby Airport

## KSAN

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 1

Elevation: 17 ft / 5 m  
Location: 32.733600 -117.190000  
Magnetic Var: 10.965 E

## METAR

KSAN 290351Z 29004KT 10SM OVC012 16/12 A3007 RMK A02 SLP180 T01560122 \$

## TAF

TAF AMD KSAN 290235Z 2903/3006 29007KT P6SM OVC012 FM290900 21004KT P6SM OVC011 FM291900 21008KT P6SM OVC013 FM292100 21012KT P6SM OVC013

## Frequencies

REC - 134.80 MHz - LINDBERGH ATIS	CLD - 125.90 MHz - LINDBERGH CLEARANCE
GND - 123.90 MHz - LINDBERGH GROUND	TWR - 118.30 MHz - LINDBERGH TOWER
DEP - 119.60 MHz - SOCAL WEST DEPARTURE	DEP - 124.35 MHz - SOCAL EAST DEPARTURE
APP - 119.60 MHz - SOCAL WEST APPROACH	APP - 124.35 MHz - SOCAL EAST APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	200 ft	9,388 ft	106.13	ASPHALT	1,004 ft	390 ft
	61 m	2,861 m	95.17		306 m	119 m
27	200 ft	9,388 ft	286.15	ASPHALT	1,811 ft	0 ft
	61 m	2,861 m	275.18		552 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09	DME	ISAN	111.55 MHz	18 nm	-	-	29 ft
				33 km	-		29 m
27	DME	IUBR	110.90 MHz	18 nm	-	-	26 ft
				33 km	-		26 m
09	LOC-ILS	ISAN	111.55 MHz	18 nm	106.14	-	17 ft
				33 km	95.17		17 m
27	LOC-LOC	IUBR	110.90 MHz	18 nm	286.14	-	17 ft
				33 km	275.17		17 m
09	GS	ISAN	111.55 MHz	10 nm	106.14	3.10	17 ft
				19 km	95.17		17 m

## KHOU

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

Elevation: 46 ft / 14 m  
Location: 29.646000 -95.277300  
Magnetic Var: 1.692 E

## METAR

KHOU 290353Z 03006KT 10SM BKN250 23/19 A3000 RMK A02 SLP164 T02330194

## TAF

KHOU 290255Z 2903/2924 08005KT P6SM SCT020 FM290800 07006KT 6SM BR VCSH BKN020 FM291500 11009KT P6SM SCT020 BKN020

## Frequencies

CLD - 125.45 MHz - CLEARANCE DELIVERY	REC - 124.60 MHz - D-ATIS
COM - 122.95 MHz - HOBBY UNICOM	GND - 121.90 MHz - HOBBY GROUND
TWR - 118.70 MHz - HOBBY TOWER	APP - 119.17 MHz - HOUSTON APPROACH
APP - 119.62 MHz - HOUSTON APPROACH	APP - 120.05 MHz - HOUSTON APPROACH
APP - 124.35 MHz - HOUSTON APPROACH	APP - 134.45 MHz - HOUSTON APPROACH
DEP - 119.70 MHz - HOUSTON DEPARTURE	DEP - 123.80 MHz - HOUSTON DEPARTURE
DEP - 134.45 MHz - HOUSTON DEPARTURE	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
04	151 ft	7,609 ft	43.82	CONCRETE	0 ft	151 ft
	46 m	2,319 m	42.12		0 m	46 m
22	151 ft	7,609 ft	223.82	CONCRETE	0 ft	151 ft
	46 m	2,319 m	222.13		0 m	46 m
13R	151 ft	7,612 ft	134.10	ASPHALT	1,037 ft	144 ft
	46 m	2,320 m	132.40		316 m	44 m
31L	151 ft	7,612 ft	314.11	ASPHALT	0 ft	151 ft
	46 m	2,320 m	312.41		0 m	46 m
13L	100 ft	5,152 ft	134.10	CONCRETE	0 ft	0 ft
	30 m	1,570 m	132.40		0 m	0 m
31R	100 ft	5,152 ft	314.10	CONCRETE	0 ft	0 ft
	30 m	1,570 m	312.41		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
04	DME	IHUB	109.90 MHz	18 nm	-	-	36 ft
				33 km	-		36 m
13R	DME	IPRQ	111.30 MHz	18 nm	-	-	46 ft
				33 km	-		46 m
22	DME	IOIB	109.90 MHz	18 nm	-	-	46 ft
				33 km	-		46 m
31L	DME	IUPU	111.30 MHz	18 nm	-	-	46 ft
				33 km	-		46 m
04	LOC-ILS	IHUB	109.90 MHz	18 nm	43.82	-	46 ft
				33 km	42.13		46 m
13R	LOC-ILS	IPRQ	111.30 MHz	18 nm	134.10	-	46 ft
				33 km	132.41		46 m
22	LOC-LOC	IOIB	109.90 MHz	18 nm	223.82	-	46 ft
				33 km	222.13		46 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
31L	LOC-ILS	IUPU	111.30 MHz	18 nm	314.10	-	46 ft
				33 km	312.41		46 m
04	GS	IHUB	109.90 MHz	10 nm	43.82	3.00	46 ft
				19 km	42.13		46 m
13R	GS	IPRQ	111.30 MHz	10 nm	134.10	3.00	46 ft
				19 km	132.41		46 m
31L	GS	IUPU	111.30 MHz	10 nm	314.10	3.00	46 ft
				19 km	312.41		46 m