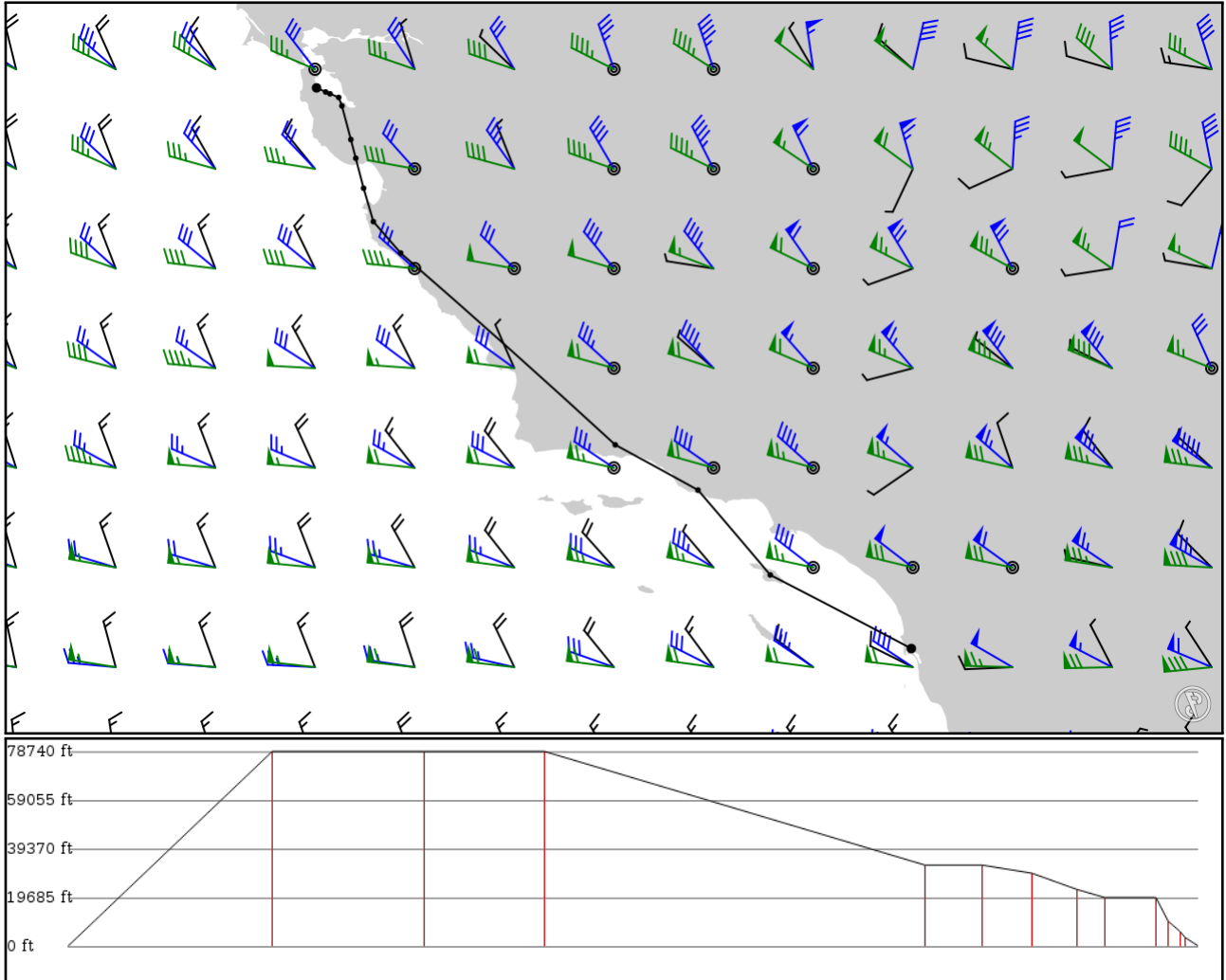


2024/05/20 0949Z

KSAN SXC VTU RZS BSR CARME ANJEE SKUNK BOLDR MENLO HEMAN DUYET NEPIC KSFO

403.40 nm / 747.11 km



## Notes

DEP KSAN RWY 27 ARR KSFO RWY 28L ILS 109.55

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KSAN	-	32.73356	20 ft	-	San Diego Intl
APT	-	-117.18966	6 m		
SXC	-	33.37506	24,000 ft	72	SANTA CATALINA VORTAC
VOR	-	-118.41991	7,315 m		
VTU	-	34.11505	24,000 ft	54	VENTURA VOR-DME
VOR	-	-119.04950	7,315 m		
RZS	-	34.50953	24,000 ft	42	SAN MARCUS VORTAC
VOR	-	-119.77100	7,315 m		
BSR	-	36.18131	10,000 ft	135	BIG SUR VORTAC
VOR	-	-121.64211	3,048 m		
CARME	-	36.45518	10,000 ft	20	-
FIX	-	-121.87972	3,048 m		
ANJEE	-	36.74628	9,000 ft	17	-
FIX	-	-121.96489	2,743 m		
SKUNK	-	37.00760	7,000 ft	16	-
FIX	-	-122.03323	2,134 m		
BOLDR	-	37.17089	6,000 ft	10	-
FIX	-	-122.07616	1,829 m		
MENLO	-	37.46369	6,000 ft	17	-
FIX	-	-122.15366	1,829 m		
HEMAN	-	37.53751	3,100 ft	4	-
FIX	-	-122.18199	945 m		
DUYET	-	37.56937	1,800 ft	4	-
FIX	-	-122.25761	549 m		
NEPIC	-	37.58538	1,080 ft	2	-
FIX	-	-122.29565	329 m		
KSFO	-	37.62114	13 ft	4	San Francisco Intl
APT	-	-122.37527	4 m		

## KSAN

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

Elevation: 17 ft / 5 m  
Location: 32.733600 -117.190000  
Magnetic Var: 10.967 E

## METAR

KSAN 200851Z 23004KT 10SM OVC022 17/11 A3000 RMK A02 SLP159 T01670111 58000 \$

## TAF

TAF AMD KSAN 200847Z 2009/2112 21004KT P6SM OVC018 FM201900 28010KT P6SM SCT028 FM210300 VRB04KT P6SM OVC020

## 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	95.16		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

## KSFO

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 4

Elevation: 13 ft / 4 m  
Location: 37.618500 -122.375000  
Magnetic Var: 12.841 E

## METAR

KSFO 200856Z 23010KT 10SM BKN016 12/08 A2994 RMK AO2 SLP140 T01220078 56006 \$

## TAF

TAF AMD KSFO 200929Z 2009/2112 27008KT P6SM FEW015 TEMPO 2009/2012 BKN014 FM202100 28018G25KT P6SM SKC FM210400 2

## Frequencies

REC - 113.70 MHz - D-ATIS	REC - 115.80 MHz - D-ATIS
REC - 118.85 MHz - D-ATIS	COM - 122.95 MHz - UNICOM
CLD - 118.20 MHz -	GND - 121.80 MHz - SAN FRANCISCO GROUND
SAN FRANCISCO CLEARANCE DELIVERY	APP - 134.50 MHz - NORCAL APPROACH
TWR - 120.50 MHz - SAN FRANCISCO TOWER	APP - 128.57 MHz - NORCAL APPROACH
APP - 128.32 MHz - NORCAL APPROACH	DEP - 120.90 MHz - NORCAL DEPARTURE
APP - 133.95 MHz - NORCAL APPROACH	
DEP - 135.10 MHz - NORCAL DEPARTURE	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10L	200 ft	11,859 ft	117.90	ASPHALT	0 ft	876 ft
	61 m	3,615 m	105.06		0 m	267 m
28R	200 ft	11,859 ft	297.92	ASPHALT	302 ft	318 ft
	61 m	3,615 m	285.08		92 m	97 m
10R	200 ft	11,371 ft	117.90	ASPHALT	0 ft	748 ft
	61 m	3,466 m	105.06		0 m	228 m
28L	200 ft	11,371 ft	297.92	ASPHALT	305 ft	322 ft
	61 m	3,466 m	285.08		93 m	98 m
01R	200 ft	8,665 ft	27.71	ASPHALT	564 ft	404 ft
	61 m	2,641 m	14.87		172 m	123 m
19L	200 ft	8,665 ft	207.72	ASPHALT	0 ft	443 ft
	61 m	2,641 m	194.88		0 m	135 m
01L	200 ft	7,664 ft	27.71	ASPHALT	643 ft	469 ft
	61 m	2,336 m	14.87		196 m	143 m
19R	200 ft	7,664 ft	207.72	ASPHALT	0 ft	446 ft
	61 m	2,336 m	194.88		0 m	136 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
19L	DME	ISIA	108.90 MHz	18 nm	-	-	24 ft
				33 km	-		24 m
28L	DME	ISFO	109.55 MHz	18 nm	-	-	22 ft
				33 km	-		22 m
28R	DME	IGWQ	111.70 MHz	18 nm	-	-	17 ft
				33 km	-		17 m
28R	DME	IFNP	110.75 MHz	18 nm	-	-	13 ft
				33 km	-		13 m
19L	LOC-ILS	ISIA	108.90 MHz	18 nm	207.72	-	13 ft
				33 km	194.88		13 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
28L	LOC-ILS	ISFO	109.55 MHz	18 nm	297.91	-	13 ft
				33 km	285.07		13 m
28R	LOC-ILS	IGWQ	111.70 MHz	18 nm	297.91	-	13 ft
				33 km	285.07		13 m
19L	GS	ISIA	108.90 MHz	10 nm	207.72	3.00	13 ft
				19 km	194.88		13 m
28L	GS	ISFO	109.55 MHz	10 nm	297.91	2.85	13 ft
				19 km	285.07		13 m
28R	GS	IGWQ	111.70 MHz	10 nm	297.91	3.00	13 ft
				19 km	285.07		13 m