

# LTBA

Istanbul Ataturk

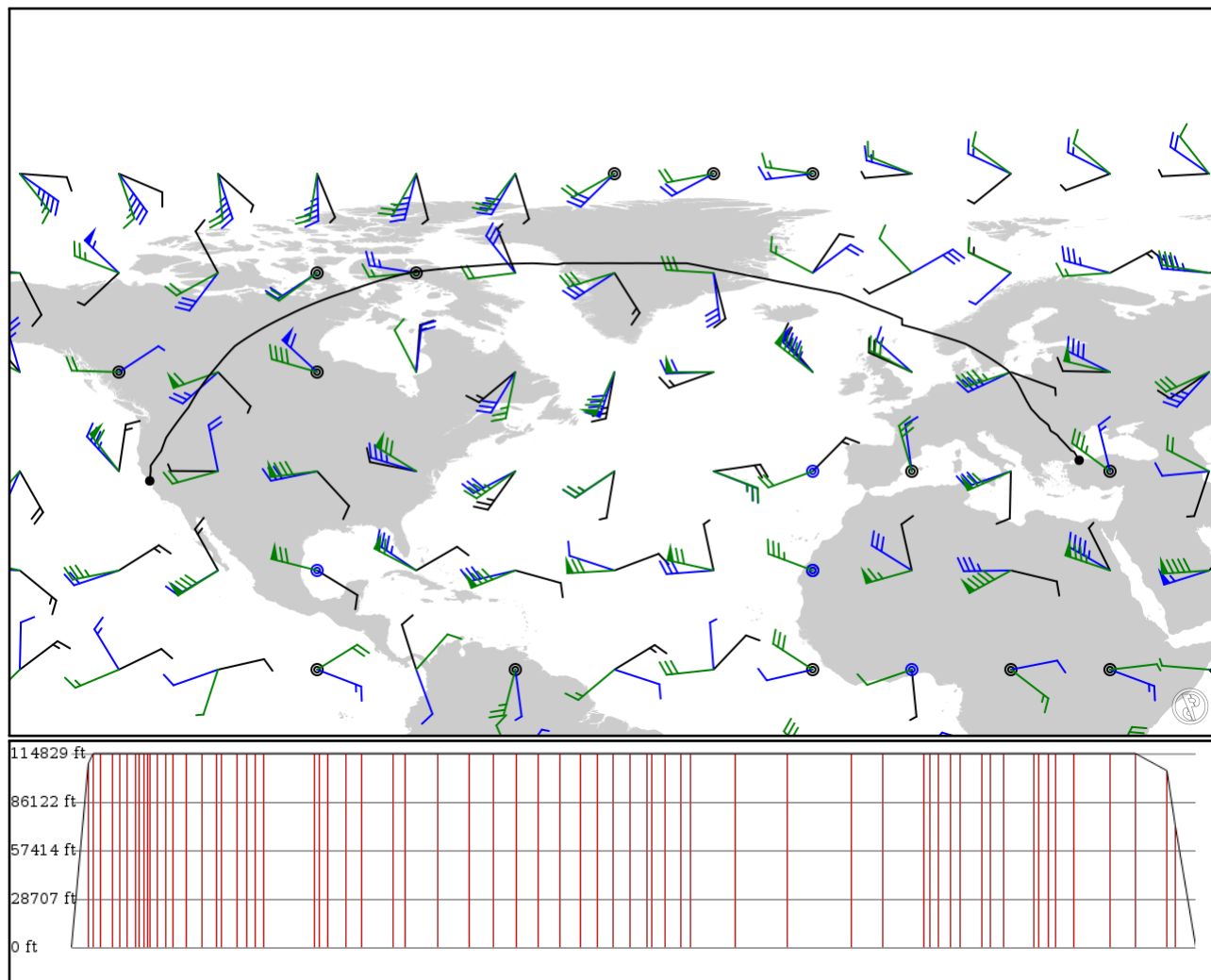
# KSFO

San Francisco Intl

2024/05/07 0414Z

LTBA MEDEM A17 BGS B33 GONGO UL622 FLR M977 TURDA REBLA UL619 LARMU L619 KENIN UL619 LENOV UN133  
LDZ N133 TITAK UN133 KRT N133 PENOR L727 TRF UL727 SOPEN L727 FLO UL727 ISVIG 6400N0000E  
6600N0500W 6800N01000W 6900N01500W 7000N02000W 7100N02500W 7200N03000W 7300N03500W 7300N04000W  
7300N04500W 7300N05000W 7300N05500W UP 7300N06000W MANSE MEDPA NCAH N7130 NCAL50 N6430 NCAL1 YBE  
J517 CACHO V112 YEG J517 FARN5 V342 YXC V112 EDGES J3 RBL V87 MXW KSFO

5929.97 nm / 10982.30 km



## Notes

Basic altitude profile:

- Ascent Rate: 4000ft/min
- Ascent Speed: 300kts
- Cruise Altitude: 390ft
- Cruise Speed: 560kts
- Descent Rate: 2500ft/min
- Descent Speed: 240kts

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
LTBA	-	40.97914	0 ft	-	Istanbul Ataturk
APT	-	28.81283	0 m		
MEDEM	-	42.39500	33,200 ft	93	-
FIX	-	27.97167	10,119 m		
BGS	A17	42.57106	35,000 ft	22	BURGAS VOR-DME
VOR	AWY-LO	27.51986	10,668 m		
GONGO	B33	43.09806	35,000 ft	38	-
FIX	AWY-LO	27.03250	10,668 m		
KOMAN	UL622	43.98333	35,000 ft	63	-
FIX	AWY-HI	26.21667	10,668 m		
FLR	UL622	44.50083	35,000 ft	38	FLORESTI VOR-DME
VOR	AWY-HI	25.70817	10,668 m		
BEDRI	M977	45.07649	35,000 ft	39	-
FIX	AWY-LO	25.26528	10,668 m		
DIPIN	M977	45.57645	35,000 ft	44	-
FIX	AWY-LO	24.48482	10,668 m		
SIB	M977	45.78501	35,000 ft	18	SIBIU NDB
NDB	AWY-LO	24.15258	10,668 m		
BLAJA	M977	46.18139	35,000 ft	24	-
FIX	AWY-LO	24.01159	10,668 m		
TURDA	M977	46.57135	35,000 ft	24	-
FIX	AWY-LO	23.87082	10,668 m		
REBLA	-	46.76013	35,000 ft	12	-
FIX	-	23.74464	10,668 m		
LARMU	UL619	47.25032	35,000 ft	38	-
FIX	AWY-HI	23.13577	10,668 m		
KARIL	L619	47.79395	35,000 ft	43	-
FIX	AWY-LO	22.44224	10,668 m		
KENIN	L619	48.36139	35,000 ft	39	-
FIX	AWY-LO	21.92731	10,668 m		
LENOV	UL619	49.33639	35,000 ft	68	-
FIX	AWY-HI	21.01028	10,668 m		
JED	UN133	50.64732	35,000 ft	84	JEDOW VOR-DME
VOR	AWY-HI	20.25121	10,668 m		
LDZ	UN133	51.80012	35,000 ft	72	LODZ VOR-DME
VOR	AWY-HI	19.65615	10,668 m		
TITAK	N133	52.19167	35,000 ft	24	-
FIX	AWY-LO	19.46333	10,668 m		
GRU	UN133	53.52124	35,000 ft	83	GRUDZIADZ VOR-DME
VOR	AWY-HI	18.78134	10,668 m		
KRT	UN133	54.29974	35,000 ft	50	KARTUZY VOR-DME
VOR	AWY-HI	18.20799	10,668 m		
KOSEL	N133	55.03833	35,000 ft	48	-
FIX	AWY-LO	17.64056	10,668 m		
PENOR	N133	55.63861	35,000 ft	39	-
FIX	AWY-LO	17.16139	10,668 m		
OSLOB	L727	59.09444	35,000 ft	269	-
FIX	AWY-LO	11.82294	10,668 m		
MOGLU	L727	59.12500	35,000 ft	2	-
FIX	AWY-LO	11.76917	10,668 m		
SORPI	L727	59.41667	35,000 ft	23	-
FIX	AWY-LO	11.24917	10,668 m		
TRF	L727	59.92918	35,000 ft	42	TYRIFJORD NDB

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
NDB	AWY-LO	10.26931	10,668 m		
SOPEN	UL727	60.84778	35,000 ft	98	-
FIX	AWY-HI	7.50000	10,668 m		
FLO	L727	61.58156	35,000 ft	84	FLORO VOR-DME
VOR	AWY-LO	5.02018	10,668 m		
ISVIG	UL727	63.00000	35,000 ft	163	-
FIX	AWY-HI	0.00000	10,668 m		
6400N0000E	-	64.00000	35,000 ft	60	-
LATLON	-	0.00000	10,668 m		
6600N0500W	-	66.00000	35,000 ft	174	-
LATLON	-	-5.00000	10,668 m		
6800N01000W	-	68.00000	35,000 ft	167	-
LATLON	-	-10.00000	10,668 m		
6900N01500W	-	69.00000	35,000 ft	125	-
LATLON	-	-15.00000	10,668 m		
7000N02000W	-	70.00000	35,000 ft	121	-
LATLON	-	-20.00000	10,668 m		
7100N02500W	-	71.00000	35,000 ft	116	-
LATLON	-	-25.00000	10,668 m		
7200N03000W	-	72.00000	35,000 ft	112	-
LATLON	-	-30.00000	10,668 m		
7300N03500W	-	73.00000	35,000 ft	108	-
LATLON	-	-35.00000	10,668 m		
7300N04000W	-	73.00000	35,000 ft	87	-
LATLON	-	-40.00000	10,668 m		
7300N04500W	-	73.00000	35,000 ft	87	-
LATLON	-	-45.00000	10,668 m		
7300N05000W	-	73.00000	35,000 ft	87	-
LATLON	-	-50.00000	10,668 m		
7300N05500W	-	73.00000	35,000 ft	87	-
LATLON	-	-55.00000	10,668 m		
UP	-	72.79261	35,000 ft	23	UPERNAVIK NDB
NDB	-	-56.14602	10,668 m		
7300N06000W	-	73.00000	35,000 ft	69	-
LATLON	-	-60.00000	10,668 m		
MANSE	-	72.88333	35,000 ft	86	-
FIX	-	-64.91667	10,668 m		
MEDPA	-	72.66111	35,000 ft	51	-
FIX	-	-67.71333	10,668 m		
N7130	NCAH	71.50000	35,000 ft	237	-
FIX	AWY-HI	-80.00000	10,668 m		
N6830	NCAL50	68.50028	35,000 ft	272	-
FIX	AWY-HI	-90.00000	10,668 m		
N6430	NCAL50	64.50000	35,000 ft	338	-
FIX	AWY-HI	-100.00000	10,668 m		
TADOM	NCAL1	62.44917	35,000 ft	163	-
FIX	AWY-HI	-103.98722	10,668 m		
YBE	NCAL1	59.55500	35,000 ft	218	URANIUM CITY NDB
NDB	AWY-HI	-108.51750	10,668 m		
TUFLY	J517	59.03667	35,000 ft	34	-
FIX	AWY-HI	-109.01833	10,668 m		
PEVRA	J517	58.39167	35,000 ft	42	-
FIX	AWY-HI	-109.61667	10,668 m		
ALPIM	J517	57.46333	35,000 ft	61	-
FIX	AWY-HI	-110.43833	10,668 m		
YMM	J517	56.64722	35,000 ft	53	FORT MCMURRAY VOR-DME

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	-111.12222	10,668 m		
CACHO	J517	54.90417	35,000 ft	115	-
FIX	AWY-HI	-112.56944	10,668 m		
ABENY	V112	54.25167	35,000 ft	42	-
FIX	AWY-LO	-113.07611	10,668 m		
YEG	V112	53.18556	35,000 ft	69	EDMONTON VOR-DME
VOR	AWY-LO	-113.86686	10,668 m		
FARNS	J517	50.75408	35,000 ft	156	-
FIX	AWY-HI	-115.39547	10,668 m		
LUMBY	V342	50.35778	35,000 ft	25	-
FIX	AWY-LO	-115.62889	10,668 m		
YXC	V342	49.55499	35,000 ft	51	CRANBROOK VOR-DME
VOR	AWY-LO	-116.08770	10,668 m		
BZXIV	V112	49.00000	35,000 ft	37	-
FIX	AWY-LO	-116.53093	10,668 m		
EDGES	V112	48.96475	35,000 ft	2	-
FIX	AWY-LO	-116.55924	10,668 m		
GEG	J3	47.56494	35,000 ft	94	SPOKANE VORTAC
VOR	AWY-HI	-117.62689	10,668 m		
IMB	J3	44.64839	35,000 ft	195	KIMBERLY VORTAC
VOR	AWY-HI	-119.71164	10,668 m		
LKV	J3	42.49286	35,000 ft	134	LAKEVIEW VORTAC
VOR	AWY-HI	-120.50711	10,668 m		
RBL	J3	40.09891	31,900 ft	163	RED BLUFF VORTAC
DME	AWY-HI	-122.23635	9,723 m		
MXW	V87	39.31758	21,900 ft	46	MAXWELL VORTAC
VOR	AWY-LO	-122.22153	6,675 m		
KSFO	-	37.61867	0 ft	102	San Francisco Intl
APT	-	-122.37501	0 m		

## LTBA

Region: TURKEY  
Timezone: EUROPE/ISTANBUL  
Runways: 1

Elevation: 163 ft / 50 m  
Location: 40.976100 28.814200  
Magnetic Var: 6.065 E

## METAR

LTBA 070350Z 00000KT CAVOK 14/10 Q1015 RMK RWY23 15003KT

## TAF

TAF LTBA 062240Z 0700/0724 VRB02KT CAVOK BECMG 0706/0709 21012KT BECMG 0715/0718 VRB02KT

## Frequencies

REC - 130.25 MHz - D-ATIS ARRIVAL	REC - 128.20 MHz - D-ATIS DEPARTURE
TWR - 118.02 MHz - YESILKOY TOWER	TWR - 118.10 MHz - YESILKOY TOWER
TWR - 118.17 MHz - YESILKOY TOWER	TWR - 118.37 MHz - YESILKOY TOWER
TWR - 119.80 MHz - YESILKOY TOWER	TWR - 121.35 MHz - YESILKOY TOWER
TWR - 121.60 MHz - YESILKOY TOWER	TWR - 121.97 MHz - YESILKOY TOWER
TWR - 123.52 MHz - YESILKOY TOWER	TWR - 125.30 MHz - YESILKOY TOWER
TWR - 125.90 MHz - YESILKOY TOWER	TWR - 126.05 MHz - YESILKOY TOWER
TWR - 126.80 MHz - YESILKOY TOWER	APP - 118.95 MHz - YESILKOY APPROACH
APP - 119.35 MHz - YESILKOY APPROACH	APP - 119.47 MHz - YESILKOY APPROACH
APP - 120.12 MHz - YESILKOY APPROACH	APP - 120.45 MHz - YESILKOY APPROACH
APP - 120.50 MHz - YESILKOY APPROACH	APP - 120.70 MHz - YESILKOY APPROACH
APP - 121.10 MHz - YESILKOY APPROACH	APP - 121.25 MHz - YESILKOY APPROACH
APP - 122.47 MHz - YESILKOY APPROACH	APP - 122.57 MHz - YESILKOY APPROACH
APP - 122.67 MHz - YESILKOY APPROACH	APP - 124.45 MHz - YESILKOY APPROACH
APP - 126.42 MHz - YESILKOY APPROACH	APP - 127.10 MHz - YESILKOY APPROACH
APP - 127.82 MHz - YESILKOY APPROACH	APP - 128.72 MHz - YESILKOY APPROACH
APP - 130.30 MHz - YESILKOY APPROACH	APP - 131.12 MHz - YESILKOY APPROACH
APP - 132.05 MHz - YESILKOY APPROACH	APP - 132.32 MHz - YESILKOY APPROACH
APP - 132.47 MHz - YESILKOY APPROACH	APP - 132.77 MHz - YESILKOY APPROACH
APP - 132.95 MHz - YESILKOY APPROACH	APP - 133.07 MHz - YESILKOY APPROACH
APP - 133.22 MHz - YESILKOY APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05	197 ft 60 m	8,513 ft 2,595 m	58.45 52.38	ASPHALT	492 ft 150 m	207 ft 63 m
23	197 ft 60 m	8,513 ft 2,595 m	238.47 232.40	ASPHALT	0 ft 0 m	197 ft 60 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	DME	IIST	110.30 MHz	18 nm 33 km	- -	-	82 ft 82 m
23	DME	IATA	111.90 MHz	18 nm 33 km	- -	-	163 ft 163 m
05	LOC-ILS	IIST	110.30 MHz	18 nm 33 km	58.46 52.39	-	163 ft 163 m
23	LOC-ILS	IATA	111.90 MHz	18 nm 33 km	238.46 232.39	-	163 ft 163 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	GS	IIST	110.30 MHz	10 nm	58.46	3.00	163 ft
				19 km	52.39		163 m
23	GS	IATA	111.90 MHz	10 nm	238.46	3.20	163 ft
				19 km	232.39		163 m

## KSFO

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

Elevation: 13 ft / 4 m  
Location: 37.618500 -122.375000  
Magnetic Var: 12.844 E

## METAR

KSFO 070356Z 28019KT 10SM FEW016 BKN018 12/07 A3011 RMK A02 SLP196 T01220067 VISNO \$

## TAF

KSFO 070233Z 0703/0806 28016KT P6SM SCT015 BKN035 TEMPO 0703/0706 BKN020 FM071500 31008KT P6SM FEW250 FM072000 30

## 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	105.05		0 m	267 m
28R	200 ft	11,859 ft	297.92	ASPHALT	302 ft	318 ft
	61 m	3,615 m	285.07		92 m	97 m
10R	200 ft	11,371 ft	117.90	ASPHALT	0 ft	748 ft
	61 m	3,466 m	105.05		0 m	228 m
28L	200 ft	11,371 ft	297.92	ASPHALT	305 ft	322 ft
	61 m	3,466 m	285.07		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	194.87		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