

KSFO

San Francisco Intl

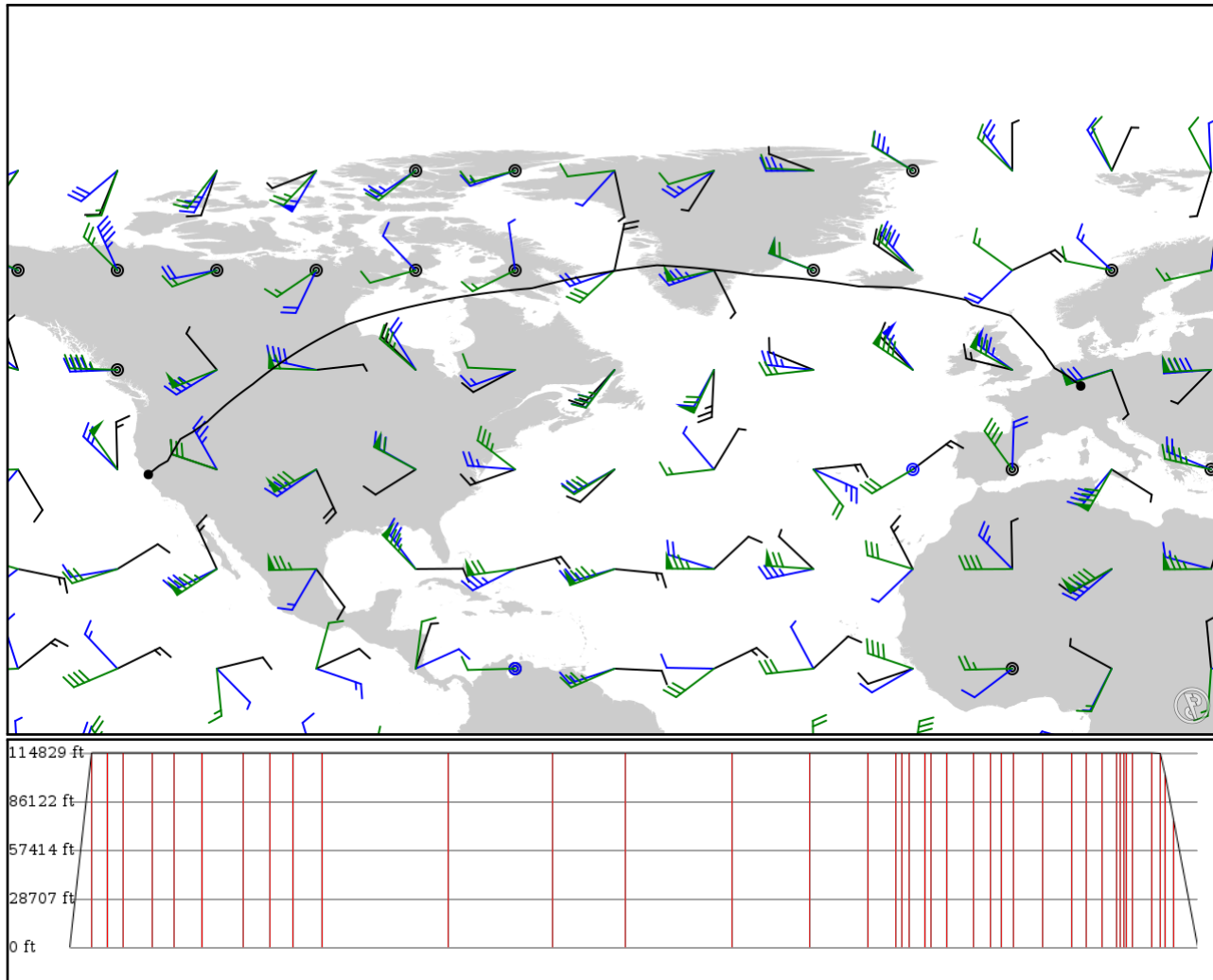
EDDF

Frankfurt am Main

2024/06/04 0417Z

KSFO COLOM J32 FMG J7 GTF J530 YYN NCAE YYQ N554C YFB 5E72 KEF G3 MY G11 SIDER UM125 SUM UL7
GOLVO L74 VENAS UL7 SPY UZ28 RENDI Y282 NAPSI UZ28 DISMO EDDF

5038.14 nm / 9330.64 km



Notes

Basic altitude profile:

- Ascent Rate: 2000ft/min
- Ascent Speed: 230kts
- Cruise Altitude: 33000ft
- Cruise Speed: 311kts
- Descent Rate: 1000ft/min
- Descent Speed: 280kts

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
KSFO APT	-	37.61867 -122.37501	0 ft 0 m	-	San Francisco Intl
COLOM FIX	-	38.83897 -120.87002	35,000 ft 10,668 m	102	-
FMG VOR	J32 AWY-HI	39.53128 -119.65608	35,000 ft 10,668 m	70	MUSTANG VORTAC
GASSI FIX	J7 AWY-HI	40.57166 -119.06834	35,000 ft 10,668 m	68	-
REO VOR	J7 AWY-HI	42.59056 -117.86814	35,000 ft 10,668 m	132	ROME VOR-DME
BOI VOR	J7 AWY-HI	43.55281 -116.19214	35,000 ft 10,668 m	93	BOISE VORTAC
LKT VOR	J7 AWY-HI	45.02131 -114.08425	35,000 ft 10,668 m	126	SALMON VOR-DME
GTF DME	J7 AWY-HI	47.44998 -111.41216	35,000 ft 10,668 m	183	GREAT FALLS VORTAC
GGRBI FIX	J530 AWY-HI	49.00000 -109.45800	35,000 ft 10,668 m	121	-
YYN VOR	J530 AWY-HI	50.29706 -107.69089	35,000 ft 10,668 m	103	SWIFT CURRENT VOR-DME
ELTAX FIX	NCAE AWY-HI	51.95667 -105.59500	35,000 ft 10,668 m	127	-
YYQ VOR	NCAE AWY-HI	58.74175 -94.13531	35,000 ft 10,668 m	563	CHURCHILL VOR-DME
BODRA FIX	N554C AWY-HI	62.28278 -80.00000	35,000 ft 10,668 m	467	-
YFB VOR	N554C AWY-HI	63.74167 -68.47333	35,000 ft 10,668 m	325	FROBAY VOR
SF NDB	5E72 AWY-HI	66.96749 -50.94167	35,000 ft 10,668 m	477	SONDRE STROMFJORD NDB
DA NDB	5E72 AWY-HI	65.57056 -37.20694	35,000 ft 10,668 m	341	KULUSUK NDB
GIMLI FIX	5E72 AWY-HI	64.64000 -26.97833	35,000 ft 10,668 m	264	-
KEF VOR	5E72 AWY-HI	63.98681 -22.61450	35,000 ft 10,668 m	120	KEFLAVIK VORTAC
METIL FIX	G3 AWY-LO	63.97194 -21.52611	35,000 ft 10,668 m	28	-
SKARD FIX	G3 AWY-LO	63.94278 -20.20500	35,000 ft 10,668 m	34	-
MIKLA FIX	G3 AWY-LO	63.84833 -17.57417	35,000 ft 10,668 m	69	-
ING VOR	G3 AWY-LO	63.80306 -16.63806	35,000 ft 10,668 m	24	INGO VOR-DME
ROSTI FIX	G3 AWY-LO	63.40639 -14.11222	35,000 ft 10,668 m	71	-
LINDA FIX	G3 AWY-LO	62.62167 -10.00000	35,000 ft 10,668 m	121	-
MY NDB	G3 AWY-LO	62.10694 -7.58778	35,000 ft 10,668 m	73	MYGGENES NDB
AB NDB	G11 AWY-LO	61.39528 -6.68111	35,000 ft 10,668 m	49	AKRABERG NDB
SIDER	G11	61.00000	35,000 ft	50	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-5.14639	10,668 m		
SUM	UM125	59.87889	35,000 ft	132	SUMBURGH VOR-DME
VOR	AWY-HI	-1.28667	10,668 m		
FORTY	UL7	57.95000	35,000 ft	129	-
FIX	AWY-HI	0.59583	10,668 m		
ODMIX	UL7	56.97000	35,000 ft	65	-
FIX	AWY-HI	1.46750	10,668 m		
CUTEL	UL7	55.88583	35,000 ft	71	-
FIX	AWY-HI	2.37444	10,668 m		
ASKAM	UL7	54.96306	35,000 ft	62	-
FIX	AWY-HI	3.23056	10,668 m		
PELET	UL7	54.65333	35,000 ft	19	-
FIX	AWY-HI	3.43111	10,668 m		
GOLVO	UL7	54.41139	35,000 ft	15	-
FIX	AWY-HI	3.58556	10,668 m		
VENAS	L74	54.30556	35,000 ft	6	-
FIX	AWY-LO	3.65222	10,668 m		
LONAM	UL7	53.83958	35,000 ft	29	-
FIX	AWY-HI	3.94254	10,668 m		
SPY	UL7	52.54028	35,000 ft	84	SPIJKERBOOR VOR-DME
VOR	AWY-HI	4.85378	10,668 m		
RENDI	UZ28	52.06167	34,900 ft	41	-
FIX	AWY-HI	5.67750	10,638 m		
NAPSI	Y282	51.85528	31,100 ft	17	-
FIX	AWY-LO	6.02139	9,479 m		
DISMO	UZ28	51.40944	22,900 ft	38	-
FIX	AWY-LO	6.75167	6,980 m		
EDDF	-	50.03260	0 ft	107	Frankfurt am Main
APT	-	8.54064	0 m		

KSFO

Region: UNITED STATES
Timezone: AMERICA/LOS_ANGELES
Runways: 4

Elevation: 13 ft / 4 m
Location: 37.618500 -122.375000
Magnetic Var: 12.837 E

METAR

KSFO 040356Z 28015G22KT 10SM FEW008 BKN200 13/10 A2998 RMK AO2 PK WND 29030/0310 SLP151 T01280100

TAF

KSFO 040301Z 0403/0506 28015G22KT P6SM SCT007 FM040600 29006KT P6SM SCT250 FM041800 30012KT P6SM SCT250 FM042100

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

EDDF

Region: GERMANY - CIVIL
Timezone: EUROPE/BERLIN
Runways: 4

Elevation: 362 ft / 110 m
Location: 50.032600 8.540670
Magnetic Var: 3.182 E

METAR

EDDF 040350Z AUTO VRB02KT 9999 BKN045 09/08 Q1017 NOSIG

TAF

TAF EDDF 032300Z 0400/0506 03003KT CAVOK BECMG 0408/0411 22007KT PROB30 TEMPO 0504/0506 SHRA BKN035TCU

Frequencies

REC - 118.02 MHz - ATIS ARRIVAL	REC - 118.72 MHz - ATIS DEPARTURE
GND - 121.80 MHz - GROUND	GND - 121.65 MHz - APRON RAMP/TAXI
GND - 121.70 MHz - APRON RAMP/TAXI	GND - 121.95 MHz - APRON RAMP/TAXI
GND - 121.85 MHz - APRON RAMP/TAXI	GND - 121.75 MHz - APRON RAMP/TAXI
TWR - 118.77 MHz - TOWER	TWR - 119.90 MHz - TOWER
TWR - 124.85 MHz - TOWER	TWR - 127.32 MHz - TOWER
TWR - 136.50 MHz - TOWER	CLD - 121.90 MHz - CLEARANCE DELIVERY
APP - 127.27 MHz - FRANKFURT DIRECT	APP - 118.50 MHz - FRANKFURT DIRECT
APP - 125.35 MHz - LANGEN RADAR	APP - 126.55 MHz - LANGEN RADAR
APP - 120.80 MHz - LANGEN RADAR	APP - 120.15 MHz - LANGEN RADAR
APP - 136.12 MHz - LANGEN RADAR	APP - 119.02 MHz - LANGEN RADAR

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07L	148 ft	9,194 ft	69.56	CONCRETE	0 ft	0 ft
	45 m	2,802 m	66.38		0 m	0 m
25R	148 ft	9,194 ft	249.59	CONCRETE	0 ft	0 ft
	45 m	2,802 m	246.41		0 m	0 m
07C	197 ft	13,134 ft	69.57	ASPHALT	0 ft	203 ft
	60 m	4,003 m	66.39		0 m	62 m
25C	197 ft	13,134 ft	249.61	ASPHALT	0 ft	935 ft
	60 m	4,003 m	246.43		0 m	285 m
07R	148 ft	13,134 ft	69.59	ASPHALT	0 ft	213 ft
	45 m	4,003 m	66.41		0 m	65 m
25L	148 ft	13,134 ft	249.63	ASPHALT	0 ft	1,775 ft
	45 m	4,003 m	246.45		0 m	541 m
18	148 ft	13,083 ft	179.64	ASPHALT	0 ft	0 ft
	45 m	3,988 m	176.46		0 m	0 m
36	148 ft	13,083 ft	359.64	ASPHALT	0 ft	121 ft
	45 m	3,988 m	356.46		0 m	37 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07L	DME	IFNE	111.75 MHz	18 nm	-	-	357 ft
				33 km	-		357 m
25C	DME	IFCW	111.55 MHz	18 nm	-	-	364 ft
				33 km	-		364 m
25R	DME	IFNW	111.35 MHz	18 nm	-	-	357 ft
				33 km	-		357 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07C	LOC-ILS	IFCE	110.55 MHz	18 nm	69.59	-	362 ft
				33 km	66.41		362 m
07L	LOC-ILS	IFNE	111.75 MHz	18 nm	69.58	-	362 ft
				33 km	66.40		362 m
07R	LOC-ILS	IFSE	110.95 MHz	18 nm	69.61	-	362 ft
				33 km	66.43		362 m
25C	LOC-ILS	IFCW	111.55 MHz	18 nm	249.59	-	362 ft
				33 km	246.41		362 m
25L	LOC-ILS	IFSW	111.15 MHz	18 nm	249.61	-	362 ft
				33 km	246.43		362 m
25R	LOC-ILS	IFNW	111.35 MHz	18 nm	249.58	-	362 ft
				33 km	246.40		362 m
07C	GS	IFCE	110.55 MHz	10 nm	69.59	3.00	362 ft
				19 km	66.41		362 m
07L	GS	IFNE	111.75 MHz	10 nm	69.58	3.00	362 ft
				19 km	66.40		362 m
07R	GS	IFSE	110.95 MHz	10 nm	69.61	3.00	362 ft
				19 km	66.43		362 m
25C	GS	IFCW	111.55 MHz	10 nm	249.59	3.00	362 ft
				19 km	246.41		362 m
25L	GS	IFSW	111.15 MHz	10 nm	249.61	3.00	362 ft
				19 km	246.43		362 m
25R	GS	IFNW	111.35 MHz	10 nm	249.58	3.00	362 ft
				19 km	246.40		362 m