FAJS
Johannesburg OR Thambo Intl

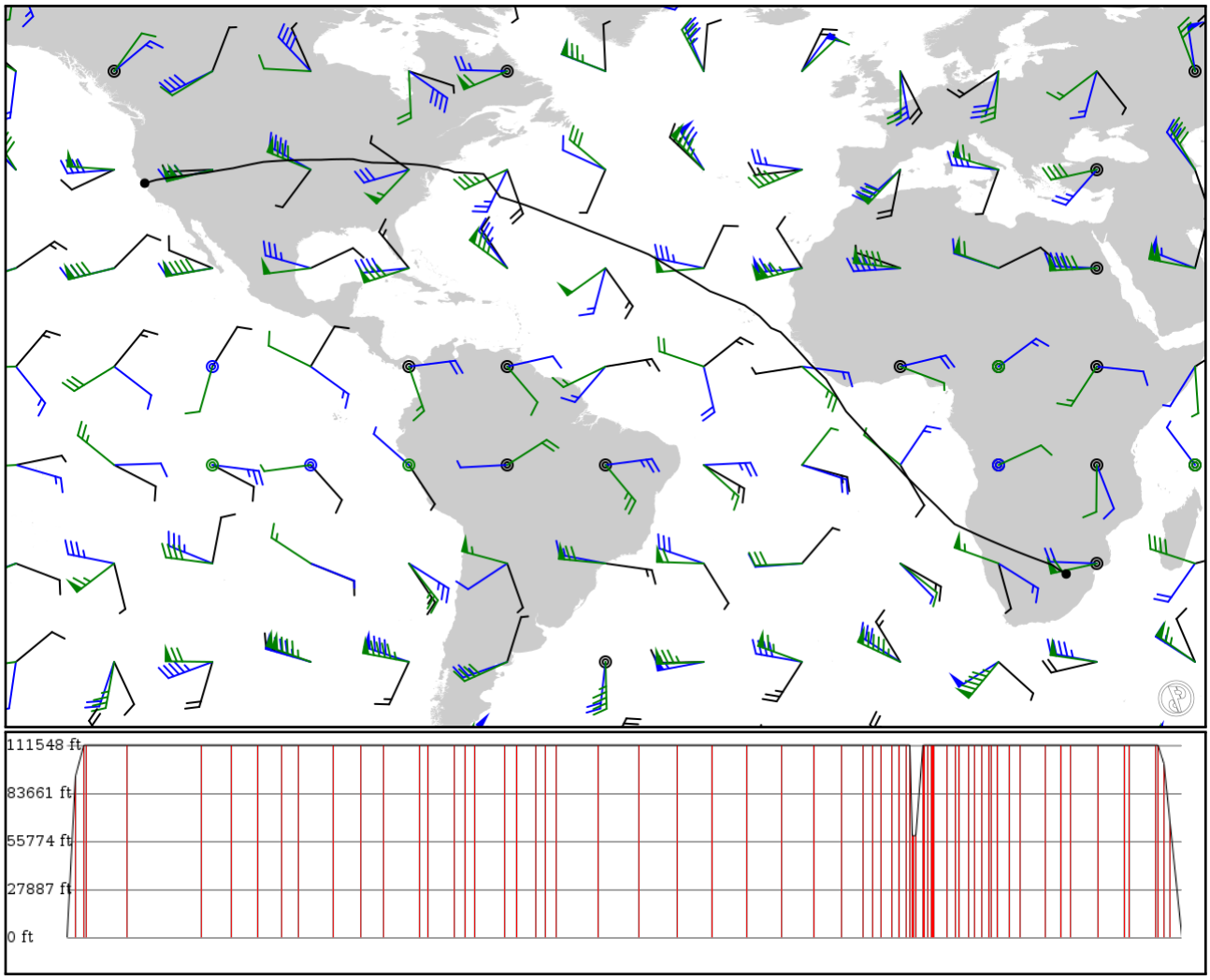
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KSFO
San Francisco Intl

2024/03/29 0111Z

FAJS NEVES **UZ10** ETOSA **UG653F** GBV **UL435** BOPAN **UR991** ILDIR UDMON **UR991F** GAPEL **UR991** EMTAL **UR991G** ARLEM **UR991** DEMAR **UG853** AKDAK INIRO 1400N02000W ORABI CVS IREDO 2000N03000W 2300N03500W 2600N04000W 2800N04500W 3000N05000W 3200N05500W 3400N06000W ELTIN **A632** SLATN **N7A** KENDA **N15B** MANTA **V276** RBV **J64** WHETT **J30** JOT **J146** IOW **J10** OBH **J100** EKR **J84** MELTS KSFO

9320.84 nm / 17262.20 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
FAJS APT	–	-26.13854 28.24653	0 ft 0 m	–	Johannesburg OR Thambo Intl
NEVES FIX	–	-25.41327 27.00448	28,500 ft 8,687 m	80	–
ETOSA FIX	UZ10 AWY-HI	-24.70379 26.03446	34,000 ft 10,363 m	67	–
GBV VOR	UG653F AWY-HI	-24.59771 25.83246	34,000 ft 10,363 m	12	GABORONE VOR-DME
BOPAN FIX	UL435 AWY-HI	-22.40245 19.99947	34,000 ft 10,363 m	347	–
ILDIR FIX	UR991 AWY-HI	-18.00000 10.00000	34,000 ft 10,363 m	622	–
UDMON FIX	–	-15.00000 7.00000	34,000 ft 10,363 m	249	–
AVIGI FIX	UR991F AWY-HI	-12.45500 4.35833	34,000 ft 10,363 m	217	–
APNUK FIX	UR991F AWY-HI	-10.00000 1.88500	34,000 ft 10,363 m	207	–
GAPEL FIX	UR991F AWY-HI	-8.28500 0.31667	34,000 ft 10,363 m	138	–
EMTAL FIX	UR991 AWY-HI	-4.75167 -3.00000	34,000 ft 10,363 m	290	–
ARASO FIX	UR991G AWY-HI	-2.00000 -5.54417	34,000 ft 10,363 m	224	–
ARLEM FIX	UR991G AWY-HI	0.39167 -7.74500	34,000 ft 10,363 m	195	–
SOLDA FIX	UR991 AWY-HI	4.58333 -10.35000	34,000 ft 10,363 m	296	–
DEMAR FIX	UR991 AWY-HI	5.65026 -11.01647	34,000 ft 10,363 m	75	–
EGAGA FIX	UG853 AWY-HI	8.15003 -13.63317	34,000 ft 10,363 m	216	–
SAKNA FIX	UG853 AWY-HI	9.35000 -14.68333	34,000 ft 10,363 m	95	–
AKDAK FIX	UG853 AWY-HI	10.35000 -15.60000	34,000 ft 10,363 m	80	–
INIRO FIX	– –	13.33194 -18.42778	34,000 ft 10,363 m	244	–
1400N02000W LATLON	– –	14.00000 -20.00000	34,000 ft 10,363 m	100	–
ORABI FIX	– –	15.93833 -21.87000	34,000 ft 10,363 m	159	–
CVS VOR	– –	16.73677 -22.95105	34,000 ft 10,363 m	78	SAL VOR-DME
IREDO FIX	– –	17.71833 -24.30333	34,000 ft 10,363 m	97	–
2000N03000W LATLON	– –	20.00000 -30.00000	34,000 ft 10,363 m	351	–
2300N03500W LATLON	– –	23.00000 -35.00000	34,000 ft 10,363 m	332	–
2600N04000W LATLON	– –	26.00000 -40.00000	34,000 ft 10,363 m	327	–
2800N04500W	–	28.00000	34,000 ft	293	–

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-45.00000	10,363 m		
3000N05000W	-	30.00000	34,000 ft	288	-
LATLON	-	-50.00000	10,363 m		
3200N05500W	-	32.00000	34,000 ft	283	-
LATLON	-	-55.00000	10,363 m		
3400N06000W	-	34.00000	34,000 ft	278	-
LATLON	-	-60.00000	10,363 m		
ELTIN	-	35.35844	34,000 ft	226	-
FIX	-	-64.28703	10,363 m		
AKERS	A632	37.97820	34,000 ft	181	-
FIX	AWY-HI	-66.15546	10,363 m		
SLATN	A632	39.11667	34,000 ft	79	-
FIX	AWY-HI	-67.00000	10,363 m		
PENYT	N7A	39.23113	34,000 ft	70	-
FIX	AWY-HI	-68.49938	10,363 m		
KENDA	N7A	39.35297	34,000 ft	93	-
FIX	AWY-HI	-70.49945	10,363 m		
LINND	N15B	39.40976	34,000 ft	56	-
FIX	AWY-HI	-71.71049	10,363 m		
OWENZ	N15B	39.82336	34,000 ft	57	-
FIX	AWY-HI	-72.83053	10,363 m		
MANTA	N15B	39.90195	34,000 ft	33	-
FIX	AWY-HI	-73.54212	10,363 m		
GAMBY	V276	40.00617	18,000 ft	16	-
FIX	AWY-LO	-73.86896	5,486 m		
ZIGGI	V276	40.05194	18,000 ft	7	-
FIX	AWY-LO	-74.01369	5,486 m		
DIXIE	V276	40.09937	18,000 ft	7	-
FIX	AWY-LO	-74.16449	5,486 m		
CASVI	V276	40.10871	18,000 ft	1	-
FIX	AWY-LO	-74.19429	5,486 m		
RBV	V276	40.20239	18,000 ft	14	ROBBINSVILLE VORTAC
VOR	AWY-LO	-74.49503	5,486 m		
SARAA	J64	40.43932	34,000 ft	65	-
FIX	AWY-HI	-75.88786	10,363 m		
SUZIE	J64	40.45326	34,000 ft	3	-
FIX	AWY-HI	-75.97276	10,363 m		
RAV	J64	40.55339	34,000 ft	29	RAVINE VORTAC
VOR	AWY-HI	-76.59939	10,363 m		
VALLO	J64	40.62682	34,000 ft	38	-
FIX	AWY-HI	-77.43846	10,363 m		
MCMAN	J64	40.63781	34,000 ft	6	-
FIX	AWY-HI	-77.57064	10,363 m		
BURNI	J64	40.65684	34,000 ft	10	-
FIX	AWY-HI	-77.80391	10,363 m		
EWC	J64	40.82494	34,000 ft	110	ELLWOOD CITY VORTAC
VOR	AWY-HI	-80.21156	10,363 m		
MAINE	J64	40.89335	34,000 ft	67	-
FIX	AWY-HI	-81.68800	10,363 m		
CASIO	J64	40.90761	34,000 ft	33	-
FIX	AWY-HI	-82.42675	10,363 m		
GONER	J64	40.96566	34,000 ft	80	-
FIX	AWY-HI	-84.20083	10,363 m		
FWA	J64	40.97907	34,000 ft	44	-
VOR	AWY-HI	-85.18806	10,363 m		
WHETT	J64	41.16018	34,000 ft	64	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-86.58415	10,363 m		
MOPER	J30	41.43126	34,000 ft	56	-
FIX	AWY-HI	-87.78678	10,363 m		
JOT	J30	41.54642	34,000 ft	24	JOLIET VORTAC
VOR	AWY-HI	-88.31842	10,363 m		
VORIN	J146	41.54800	34,000 ft	45	-
FIX	AWY-HI	-89.33638	10,363 m		
IOW	J146	41.51896	34,000 ft	102	IOWA CITY VORTAC
DME	AWY-HI	-91.61325	10,363 m		
DSM	J10	41.43761	34,000 ft	91	DES MOINES VORTAC
VOR	AWY-HI	-93.64856	10,363 m		
OBH	J10	41.37572	34,000 ft	211	WOLBACH VORTAC
VOR	AWY-HI	-98.35358	10,363 m		
ELJAY	J100	41.22510	34,000 ft	129	-
FIX	AWY-HI	-101.22146	10,363 m		
SNY	J100	41.09667	34,000 ft	80	SIDNEY VORTAC
VOR	AWY-HI	-102.98300	10,363 m		
EKR	J100	40.06742	34,000 ft	233	MEEKER VOR-DME
VOR	AWY-HI	-107.92494	10,363 m		
DTA	J84	39.30222	34,000 ft	216	DELTA VORTAC
VOR	AWY-HI	-112.50556	10,363 m		
PAWLY	J84	39.19714	34,000 ft	43	-
FIX	AWY-HI	-113.43983	10,363 m		
MVA	J84	38.56531	34,000 ft	218	MINA VORTAC
VOR	AWY-HI	-118.03286	10,363 m		
BABIT	J84	38.51148	34,000 ft	16	-
FIX	AWY-HI	-118.38457	10,363 m		
SONNY	J84	38.33575	30,700 ft	52	-
FIX	AWY-HI	-119.48453	9,357 m		
MELTS	J84	38.16558	20,400 ft	48	-
FIX	AWY-HI	-120.48856	6,218 m		
KSFO	-	37.61867	0 ft	95	San Francisco Intl
APT	-	-122.37501	0 m		

KSFO

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

Elevation: 13 ft / 4 m
Location: 37.618500 -122.375000
Magnetic Var: 12.855 E

METAR

KSFO 290056Z 26012KT 10SM FEW027 BKN180 OVC200 14/06 A3005 RMK AO2 SLP175 T01390061

TAF

KSFO 282329Z 2900/3006 28013KT P6SM VCSH BKN100 FM290500 21009KT P6SM BKN100 FM291200 17010KT P6SM -SHRA BKN050 FM

Frequencies

REC - 113.70 MHz - D-ATIS
REC - 118.85 MHz - D-ATIS
CLD - 118.20 MHz -
SAN FRANCISCO CLEARANCE DELIVERY
TWR - 120.50 MHz - SAN FRANCISCO TOWER
APP - 128.32 MHz - NORCAL APPROACH
APP - 133.95 MHz - NORCAL APPROACH
DEP - 135.10 MHz - NORCAL DEPARTURE

REC - 115.80 MHz - D-ATIS
COM - 122.95 MHz - UNICOM
GND - 121.80 MHz - SAN FRANCISCO GROUND
APP - 134.50 MHz - NORCAL APPROACH
APP - 128.57 MHz - NORCAL APPROACH
DEP - 120.90 MHz - NORCAL DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10L	200 ft 61 m	11,859 ft 3,615 m	117.90 105.04	ASPHALT	0 ft 0 m	876 ft 267 m
28R	200 ft 61 m	11,859 ft 3,615 m	297.92 285.06	ASPHALT	302 ft 92 m	318 ft 97 m
10R	200 ft 61 m	11,371 ft 3,466 m	117.90 105.04	ASPHALT	0 ft 0 m	748 ft 228 m
28L	200 ft 61 m	11,371 ft 3,466 m	297.92 285.06	ASPHALT	305 ft 93 m	322 ft 98 m
01R	200 ft 61 m	8,665 ft 2,641 m	27.71 14.86	ASPHALT	564 ft 172 m	404 ft 123 m
19L	200 ft 61 m	8,665 ft 2,641 m	207.72 194.87	ASPHALT	0 ft 0 m	443 ft 135 m
01L	200 ft 61 m	7,664 ft 2,336 m	27.71 14.86	ASPHALT	643 ft 196 m	469 ft 143 m
19R	200 ft 61 m	7,664 ft 2,336 m	207.72 194.86	ASPHALT	0 ft 0 m	446 ft 136 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
19L	DME	ISIA	108.90 MHz	18 nm 33 km	- -	-	24 ft 24 m
28L	DME	ISFO	109.55 MHz	18 nm 33 km	- -	-	22 ft 22 m
28R	DME	IGWQ	111.70 MHz	18 nm 33 km	- -	-	17 ft 17 m
28R	DME	IFNP	110.75 MHz	18 nm 33 km	- -	-	13 ft 13 m
19L	LOC-ILS	ISIA	108.90 MHz	18 nm 33 km	207.72 194.87	-	13 ft 13 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
28L	LOC-ILS	ISFO	109.55 MHz	18 nm 33 km	297.91 285.06	-	13 ft 13 m
28R	LOC-ILS	IGWQ	111.70 MHz	18 nm 33 km	297.91 285.06	-	13 ft 13 m
19L	GS	ISIA	108.90 MHz	10 nm 19 km	207.72 194.87	3.00	13 ft 13 m
28L	GS	ISFO	109.55 MHz	10 nm 19 km	297.91 285.06	2.85	13 ft 13 m
28R	GS	IGWQ	111.70 MHz	10 nm 19 km	297.91 285.06	3.00	13 ft 13 m