

KSFO

San Francisco International

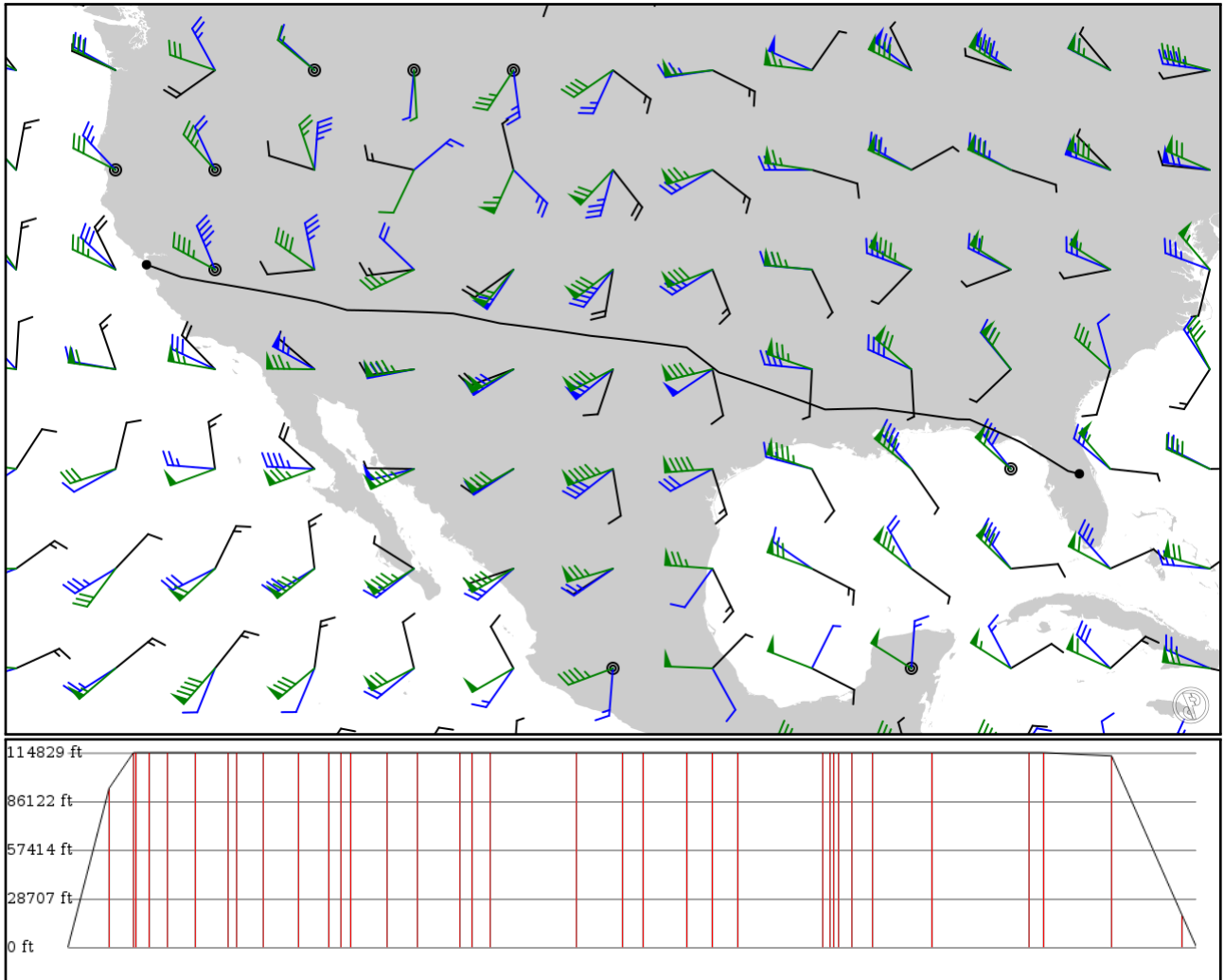
KMCO

Orlando Intl

2024/05/11 2044Z

KSFO MKNNA T331 NTELL CZQ J110 BLD J72 SPS J58 AEX J50 CEW J2 DEFUN Q104 HEVVN Q112 INPIN KMCO

2163.45 nm / 4006.71 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
KSFO	-	37.61850	0 ft	-	San Francisco International
APT	-	-122.37500	0 m		
MKNNA	-	37.07320	28,600 ft	80	-
FIX	-	-120.84000	8,717 m		
NTELL	T331	36.89970	35,000 ft	46	-
FIX	AWY-LO	-119.89000	10,668 m		
CZQ	-	36.88430	35,000 ft	3	CLOVIS (FRESNO)
VOR	-	-119.81500	10,668 m		
PINNI	J110	36.79780	35,000 ft	26	-
FIX	AWY-HI	-119.27200	10,668 m		
MITEL	J110	36.68440	35,000 ft	33	-
FIX	AWY-HI	-118.58400	10,668 m		
FURNY	J110	36.49010	35,000 ft	55	-
FIX	AWY-HI	-117.46200	10,668 m		
SHADO	J110	36.26370	35,000 ft	61	-
FIX	AWY-HI	-116.23100	10,668 m		
FUZZY	J110	36.20060	35,000 ft	16	-
FIX	AWY-HI	-115.90000	10,668 m		
BLD	J110	35.99580	35,000 ft	51	BOULDER CITY
VOR	AWY-HI	-114.86400	10,668 m		
PGS	J72	35.62470	35,000 ft	68	PEACH SPRINGS
VOR	AWY-HI	-113.54400	10,668 m		
CUTRO	J72	35.60470	35,000 ft	56	-
FIX	AWY-HI	-112.38300	10,668 m		
BAVPE	J72	35.58950	35,000 ft	24	-
FIX	AWY-HI	-111.88000	10,668 m		
HMFYR	J72	35.58200	35,000 ft	18	-
FIX	AWY-HI	-111.50100	10,668 m		
DILCO	J72	35.53120	35,000 ft	70	-
FIX	AWY-HI	-110.06500	10,668 m		
GUP	J72	35.47600	35,000 ft	58	GALLUP
VOR	AWY-HI	-108.87300	10,668 m		
LORAT	J72	35.14430	35,000 ft	80	-
FIX	AWY-HI	-107.27800	10,668 m		
ABQ	J72	35.04380	35,000 ft	23	ALBUQUERQUE
VOR	AWY-HI	-106.81600	10,668 m		
MIERA	J72	34.95690	35,000 ft	34	-
FIX	AWY-HI	-106.11400	10,668 m		
TXO	J72	34.49510	35,000 ft	163	TEXICO
VOR	AWY-HI	-102.84000	10,668 m		
TURKI	J72	34.30090	35,000 ft	88	-
FIX	AWY-HI	-101.06100	10,668 m		
GANJA	J72	34.20420	35,000 ft	40	-
FIX	AWY-HI	-100.25500	10,668 m		
SPS	J72	33.98730	35,000 ft	83	WICHITA FALLS
VOR	AWY-HI	-98.59350	10,668 m		
BATIK	J58	33.44910	35,000 ft	47	-
FIX	AWY-HI	-97.89320	10,668 m		
FUZ	J58	32.88950	35,000 ft	49	RANGER (DALLAS-FORT WORTH)
VOR	AWY-HI	-97.17940	10,668 m		
ADUKE	J58	31.88240	35,000 ft	161	-
FIX	AWY-HI	-94.21650	10,668 m		
LURIC	J58	31.78180	35,000 ft	15	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-93.93500	10,668 m		
NOBBL	J58	31.74190	35,000 ft	6	-
FIX	AWY-HI	-93.82340	10,668 m		
TURNN	J58	31.67520	35,000 ft	10	-
FIX	AWY-HI	-93.63910	10,668 m		
FOSIN	J58	31.51350	35,000 ft	24	-
FIX	AWY-HI	-93.19470	10,668 m		
AEX	J58	31.25670	35,000 ft	38	ALEXANDRIA
VOR	AWY-HI	-92.50100	10,668 m		
MCB	J50	31.30450	35,000 ft	115	MC COMB
VOR	AWY-HI	-90.25820	10,668 m		
CEW	J50	30.82620	35,000 ft	186	CRESTVIEW
VOR	AWY-HI	-86.67910	10,668 m		
DEFUN	J2	30.81420	35,000 ft	28	-
FIX	AWY-HI	-86.13140	10,668 m		
HEVVN	Q104	29.82200	34,400 ft	130	-
FIX	AWY-HI	-83.89520	10,485 m		
INPIN	Q112	28.55350	5,800 ft	133	-
FIX	AWY-HI	-81.80740	1,768 m		
KMCO	-	28.42920	0 ft	27	Orlando Intl
APT	-	-81.30680	0 m		

KSFO

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

Elevation: 13 ft / 4 m
Location: 37.618500 -122.375000
Magnetic Var: 12.843 E

METAR

KSFO 111956Z 31016KT 10SM FEW008 20/12 A2992 RMK AO2 SLP132 T02000117 \$

TAF

KSFO 111721Z 1118/1224 32006KT P6SM FEW010 FM112000 28016KT P6SM SKC FM120600 26009KT P6SM SCT015 FM121500 26005KT

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	285.08		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	285.08		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

KMCO

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

Elevation: 96 ft / 29 m
Location: 28.429200 -81.306800
Magnetic Var: 6.995 W

METAR

KMCO 111953Z 31008KT 10SM FEW050 SCT250 32/18 A2982 RMK A02 SLP098 T03220178

TAF

KMCO 111739Z 1118/1224 31012G18KT P6SM BKN250 FM120000 02008KT P6SM SCT250 FM120300 VRB04KT P6SM BKN250 FM121500

Frequencies

REC - 120.52 MHz - D-ATIS	REC - 121.25 MHz - D-ATIS
CLD - 134.70 MHz - CLEARANCE DELIVERY	COM - 122.95 MHz - UNICOM
GND - 126.40 MHz - ORLANDO GROUND	GND - 121.80 MHz - ORLANDO GROUND
TWR - 124.30 MHz - ORLANDO TOWER	TWR - 118.45 MHz - ORLANDO TOWER
APP - 119.40 MHz - ORLANDO APPROACH	APP - 120.15 MHz - ORLANDO APPROACH
APP - 124.80 MHz - ORLANDO APPROACH	APP - 135.30 MHz - ORLANDO APPROACH
APP - 123.85 MHz - ORLANDO APPROACH	APP - 134.05 MHz - ORLANDO APPROACH
DEP - 119.40 MHz - ORLANDO DEPARTURE	DEP - 120.15 MHz - ORLANDO DEPARTURE
DEP - 124.80 MHz - ORLANDO DEPARTURE	DEP - 135.30 MHz - ORLANDO DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17R	151 ft	10,036 ft	179.47	CONCRETE	0 ft	404 ft
	46 m	3,059 m	186.46		0 m	123 m
35L	151 ft	10,036 ft	359.47	CONCRETE	0 ft	400 ft
	46 m	3,059 m	6.46		0 m	122 m
17L	151 ft	9,028 ft	179.48	CONCRETE	0 ft	400 ft
	46 m	2,752 m	186.47		0 m	122 m
35R	151 ft	9,028 ft	359.48	CONCRETE	0 ft	404 ft
	46 m	2,752 m	6.47		0 m	123 m
18L	200 ft	12,049 ft	179.46	CONCRETE	0 ft	400 ft
	61 m	3,673 m	186.46		0 m	122 m
36R	200 ft	12,049 ft	359.46	CONCRETE	0 ft	407 ft
	61 m	3,673 m	6.46		0 m	124 m
18R	200 ft	12,049 ft	179.45	ASPHALT	0 ft	909 ft
	61 m	3,673 m	186.45		0 m	277 m
36L	200 ft	12,049 ft	359.45	ASPHALT	0 ft	702 ft
	61 m	3,673 m	6.45		0 m	214 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17L	DME	IARK	110.95 MHz	18 nm	-	-	86 ft
				33 km	-		86 m
17R	DME	IDIZ	111.75 MHz	18 nm	-	-	86 ft
				33 km	-		86 m
18R	DME	ITFE	111.90 MHz	18 nm	-	-	86 ft
				33 km	-		86 m
35L	DME	IDDO	110.50 MHz	18 nm	-	-	100 ft
				33 km	-		100 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
35R	DME	ICER	111.15 MHz	18 nm	-	-	90 ft
				33 km	-		90 m
36R	DME	IOJP	110.70 MHz	18 nm	-	-	91 ft
				33 km	-		91 m
17L	LOC-ILS	IARK	110.95 MHz	18 nm	179.46	-	96 ft
				33 km	186.46		96 m
17R	LOC-ILS	IDIZ	111.75 MHz	18 nm	179.51	-	96 ft
				33 km	186.51		96 m
18R	LOC-ILS	ITFE	111.90 MHz	18 nm	179.50	-	96 ft
				33 km	186.50		96 m
35L	LOC-ILS	IDDO	110.50 MHz	18 nm	359.51	-	96 ft
				33 km	6.51		96 m
35R	LOC-ILS	ICER	111.15 MHz	18 nm	359.46	-	96 ft
				33 km	6.46		96 m
36R	LOC-ILS	IOJP	110.70 MHz	18 nm	359.50	-	96 ft
				33 km	6.50		96 m
17L	GS	IARK	110.95 MHz	10 nm	179.46	3.00	96 ft
				19 km	186.46		96 m
17R	GS	IDIZ	111.75 MHz	10 nm	179.51	3.00	96 ft
				19 km	186.51		96 m
18R	GS	ITFE	111.90 MHz	10 nm	179.50	3.00	96 ft
				19 km	186.50		96 m
35L	GS	IDDO	110.50 MHz	10 nm	359.51	3.00	96 ft
				19 km	6.51		96 m
35R	GS	ICER	111.15 MHz	10 nm	359.46	3.00	96 ft
				19 km	6.46		96 m
36R	GS	IOJP	110.70 MHz	10 nm	359.50	3.00	96 ft
				19 km	6.50		96 m