

KSFO

San Francisco Intl

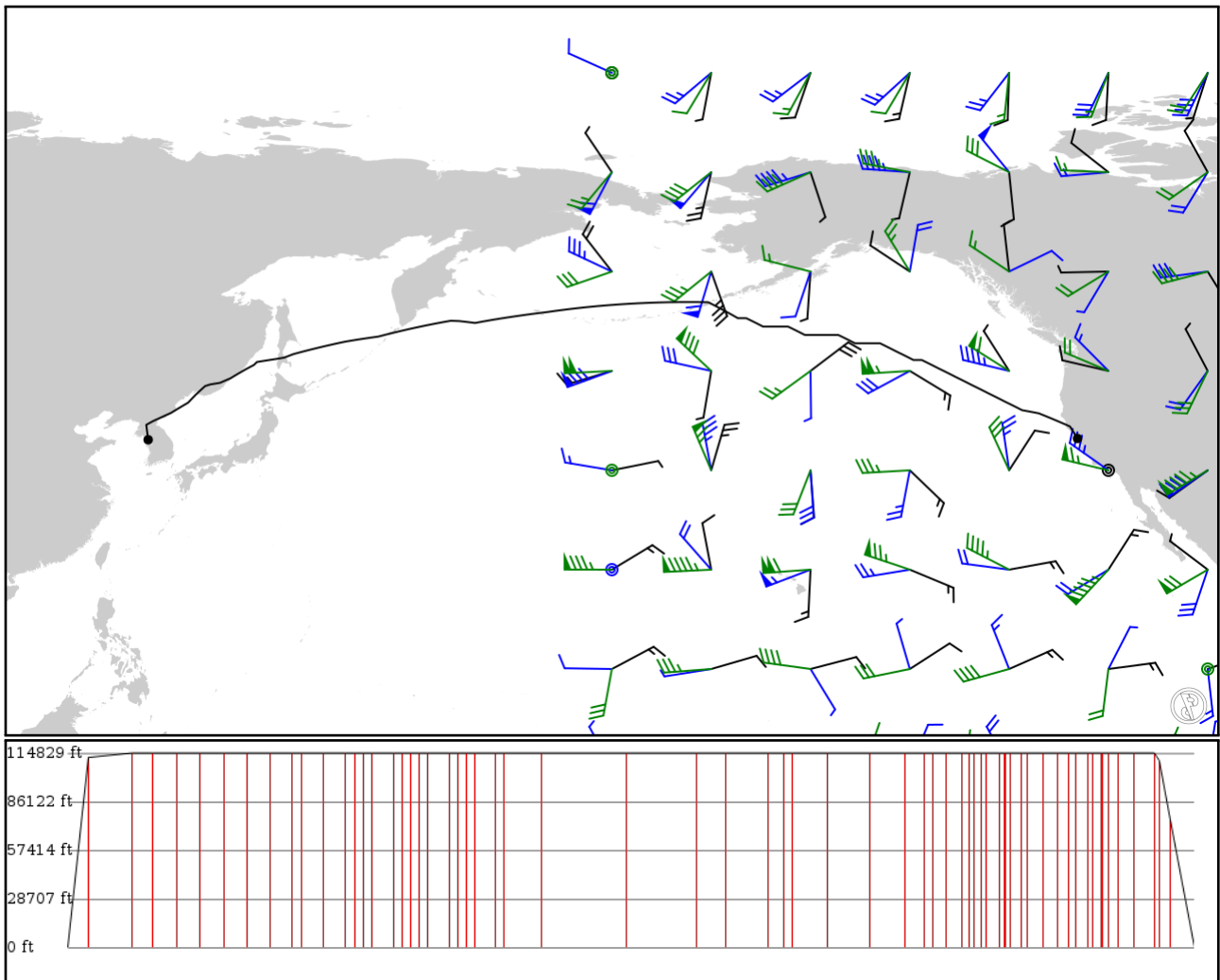
RKSI

Incheon Intl

2024/06/01 1709Z

KSFO ENI **C1486** VESPA 4100N-12900W 4200N-13100W 4300N-13300W 4400N-13500W 4500N-13700W
4600N-13900W 4700N-14100W 4700N-14200W 4800N-14400W 4900N-14600W 4900N-14700W 4900N-14800W
4900N-14900W 5000N-15100W 5000N-15200W 5000N-15300W 5000N-15400W 5000N-15500W 5100N-15700W
5100N-15800W 5100N-15900W 5100N-16000W 5200N-16200W 5200N-16300W DUT **G215** OLCOT NUZAN KUNAD **G815**
AGITA **R810** BULOD **B233** NITIN **W906** TUNET **W293** BEMOR **W209** LASUP **W295** BG **B355** KICHA **R452** SOCHA RKSI

5089.95 nm / 9426.58 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: no
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KSFO	-	37.61850	0 ft	-	San Francisco Intl
APT	-	-122.37500	0 m		
ENI	-	39.05320	34,200 ft	96	MENDOCINO (UKIAH)
VOR	-	-123.27400	10,424 m		
VESPA	C1486	40.62530	35,000 ft	196	-
FIX	AWY-HI	-127.00000	10,668 m		
4100N-12900W	-	41.00000	35,000 ft	93	-
LATLON	-	-129.00000	10,668 m		
4200N-13100W	-	42.00000	35,000 ft	108	-
LATLON	-	-131.00000	10,668 m		
4300N-13300W	-	43.00000	35,000 ft	106	-
LATLON	-	-133.00000	10,668 m		
4400N-13500W	-	44.00000	35,000 ft	105	-
LATLON	-	-135.00000	10,668 m		
4500N-13700W	-	45.00000	35,000 ft	104	-
LATLON	-	-137.00000	10,668 m		
4600N-13900W	-	46.00000	35,000 ft	103	-
LATLON	-	-139.00000	10,668 m		
4700N-14100W	-	47.00000	35,000 ft	102	-
LATLON	-	-141.00000	10,668 m		
4700N-14200W	-	47.00000	35,000 ft	40	-
LATLON	-	-142.00000	10,668 m		
4800N-14400W	-	48.00000	35,000 ft	100	-
LATLON	-	-144.00000	10,668 m		
4900N-14600W	-	49.00000	35,000 ft	99	-
LATLON	-	-146.00000	10,668 m		
4900N-14700W	-	49.00000	35,000 ft	39	-
LATLON	-	-147.00000	10,668 m		
4900N-14800W	-	49.00000	35,000 ft	39	-
LATLON	-	-148.00000	10,668 m		
4900N-14900W	-	49.00000	35,000 ft	39	-
LATLON	-	-149.00000	10,668 m		
5000N-15100W	-	50.00000	35,000 ft	98	-
LATLON	-	-151.00000	10,668 m		
5000N-15200W	-	50.00000	35,000 ft	38	-
LATLON	-	-152.00000	10,668 m		
5000N-15300W	-	50.00000	35,000 ft	38	-
LATLON	-	-153.00000	10,668 m		
5000N-15400W	-	50.00000	35,000 ft	38	-
LATLON	-	-154.00000	10,668 m		
5000N-15500W	-	50.00000	35,000 ft	38	-
LATLON	-	-155.00000	10,668 m		
5100N-15700W	-	51.00000	35,000 ft	97	-
LATLON	-	-157.00000	10,668 m		
5100N-15800W	-	51.00000	35,000 ft	37	-
LATLON	-	-158.00000	10,668 m		
5100N-15900W	-	51.00000	35,000 ft	37	-
LATLON	-	-159.00000	10,668 m		
5100N-16000W	-	51.00000	35,000 ft	37	-
LATLON	-	-160.00000	10,668 m		
5200N-16200W	-	52.00000	35,000 ft	95	-
LATLON	-	-162.00000	10,668 m		
5200N-16300W	-	52.00000	35,000 ft	36	-

Ident Type LATLON	Via	Lat Lon	Alt	Dist (nm)	Name
DUT	-	-163.00000	10,668 m		
NDB	-	53.90510	35,000 ft	171	DUTCH HARBOR
CURVS	G215	-166.54800	10,668 m		
FIX	AWY-HI	53.64500	35,000 ft	380	-
SYA	G215	-177.25800	10,668 m		
NDB	AWY-HI	52.72200	35,000 ft	317	SHEMYA
PLADO	G215	174.06000	10,668 m		
FIX	AWY-HI	52.25450	35,000 ft	131	-
OLCOT	G215	170.53400	10,668 m		
FIX	AWY-HI	51.43020	35,000 ft	191	-
NUZAN	-	165.55600	10,668 m		
FIX	-	51.65760	35,000 ft	72	-
KUNAD	-	163.64500	10,668 m		
FIX	-	51.69420	35,000 ft	37	-
DIROS	G815	162.64400	10,668 m		
FIX	AWY-HI	50.90220	35,000 ft	160	-
OTLER	G815	158.56100	10,668 m		
FIX	AWY-HI	49.80310	35,000 ft	187	-
BUMEN	G815	153.97900	10,668 m		
FIX	AWY-HI	49.19330	35,000 ft	159	-
MOROG	G815	150.00200	10,668 m		
FIX	AWY-HI	48.73640	35,000 ft	87	-
DOLET	G815	147.90800	10,668 m		
FIX	AWY-HI	48.50580	35,000 ft	41	-
NOSTI	G815	146.92500	10,668 m		
FIX	AWY-HI	48.14670	35,000 ft	61	-
AGITA	G815	145.47700	10,668 m		
FIX	AWY-HI	47.71110	35,000 ft	71	-
BELNA	R810	143.83600	10,668 m		
FIX	AWY-HI	47.44810	35,000 ft	32	-
BAPMA	R810	143.13900	10,668 m		
FIX	AWY-HI	47.28890	35,000 ft	19	-
PIMAG	R810	142.72700	10,668 m		
FIX	AWY-HI	47.14190	35,000 ft	35	-
ODONA	R810	141.87500	10,668 m		
FIX	AWY-HI	47.06420	35,000 ft	21	-
BAGOM	R810	141.35900	10,668 m		
FIX	AWY-HI	46.85360	35,000 ft	57	-
BULOD	R810	140.00100	10,668 m		
FIX	AWY-HI	46.76190	35,000 ft	23	-
TUPNA	R810	139.45300	10,668 m		
FIX	AWY-HI	46.68190	35,000 ft	5	-
NITIN	B233	139.37100	10,668 m		
FIX	AWY-HI	46.41860	35,000 ft	19	-
BARIB	W906	139.10400	10,668 m		
FIX	AWY-HI	45.88860	35,000 ft	52	-
RIPLO	W906	138.11100	10,668 m		
FIX	AWY-HI	45.59560	35,000 ft	27	-
TUNET	W906	137.60300	10,668 m		
FIX	AWY-HI	44.81530	35,000 ft	72	-
BEMOR	W293	136.29300	10,668 m		
FIX	AWY-HI	44.27190	35,000 ft	63	-
LASUP	W209	135.02900	10,668 m		
FIX	AWY-HI	44.08360	35,000 ft	51	-
BG	W295	133.86900	10,668 m		
		43.88420	35,000 ft	29	MURAVEYKA

Ident Type NDB	Via	Lat Lon	Alt	Dist (nm)	Name
	AWY-HI	133.25300	10,668 m		
IDBUR	B355	43.15560	35,000 ft	55	-
FIX	AWY-HI	132.45900	10,668 m		
VATIS	B355	42.86190	35,000 ft	22	-
FIX	AWY-HI	132.14800	10,668 m		
TERNI	B355	42.37030	35,000 ft	36	-
FIX	AWY-HI	131.66700	10,668 m		
LUPAS	B355	42.23110	35,000 ft	10	-
FIX	AWY-HI	131.53300	10,668 m		
BUMEP	B355	41.89720	35,000 ft	24	-
FIX	AWY-HI	131.21500	10,668 m		
KAKPU	B355	41.46140	35,000 ft	42	-
FIX	AWY-HI	130.47300	10,668 m		
KICHA	B355	40.68420	35,000 ft	74	-
FIX	AWY-HI	129.19200	10,668 m		
HAMUN	R452	39.92170	35,000 ft	89	-
FIX	AWY-HI	127.51800	10,668 m		
WASAN	R452	39.72830	33,600 ft	23	-
FIX	AWY-HI	127.08400	10,241 m		
SOCHA	R452	39.25000	23,000 ft	49	-
FIX	AWY-HI	126.21700	7,010 m		
RKSI	-	37.46540	0 ft	107	Incheon Intl
APT	-	126.44300	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 011556Z 25011KT 10SM FEW006 SCT016 14/09 A2993 RMK A02 SLP136 T01440089

TAF

KSFO 011457Z 0115/0218 27008KT P6SM SCT010 TEMPO 0115/0116 BKN010 FM012100 28025G37KT P6SM SKC FM020600 28015G25K

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

RKSI

Region: SOUTH KOREA
Timezone: UNKNOWN
Runways: 3

Elevation: 22 ft / 7 m
Location: 37.465400 126.443000
Magnetic Var: 8.787 W

METAR

RKSI 011630Z 33004KT CAVOK 17/13 Q1011 NOSIG

TAF

TAF RKSI 011100Z 0112/0218 30010KT CAVOK TN14/0120Z TX23/0205Z BECMG 0119/0121 02005KT BECMG 0201/0203 29010KT BE

Frequencies

REC - 128.40 MHz - INCHEON ATIS
TWR - 118.20 MHz - INCHEON TOWER
DEP - 121.40 MHz - SEOUL DEPARTURE

GND - 121.75 MHz - INCHEON GROUND
APP - 119.75 MHz - SEOUL APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	197 ft	13,131 ft	144.75	ASPHALT	0 ft	394 ft
	60 m	4,002 m	153.54		0 m	120 m
34	197 ft	13,131 ft	324.77	ASPHALT	0 ft	394 ft
	60 m	4,002 m	333.56		0 m	120 m
15R	197 ft	12,311 ft	144.78	ASPHALT	0 ft	397 ft
	60 m	3,752 m	153.56		0 m	121 m
33L	197 ft	12,311 ft	324.79	ASPHALT	0 ft	394 ft
	60 m	3,752 m	333.58		0 m	120 m
15L	197 ft	12,312 ft	144.77	ASPHALT	0 ft	397 ft
	60 m	3,753 m	153.56		0 m	121 m
33R	197 ft	12,312 ft	324.79	ASPHALT	0 ft	394 ft
	60 m	3,753 m	333.58		0 m	120 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
15L	DME	ISLL	111.90 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
15R	DME	ISRR	109.10 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
33L	DME	INLL	109.30 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
33R	DME	INRR	108.90 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
15L	LOC-ILS	ISLL	111.90 MHz	18 nm	144.79	-	22 ft
				33 km	153.58		22 m
15R	LOC-ILS	ISRR	109.10 MHz	18 nm	144.79	-	22 ft
				33 km	153.58		22 m
16	LOC-ILS	IRKS	110.35 MHz	18 nm	144.77	-	22 ft
				33 km	153.56		22 m
33L	LOC-ILS	INLL	109.30 MHz	18 nm	324.79	-	22 ft
				33 km	333.58		22 m
33R	LOC-ILS	INRR	108.90 MHz	18 nm	324.79	-	22 ft
				33 km	333.58		22 m
34	LOC-ILS	IRKN	108.10 MHz	18 nm	324.77	-	22 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	333.56		22 m
15L	GS	ISLL	111.90 MHz	10 nm	144.79	3.00	22 ft
				19 km	153.58		22 m
15R	GS	ISRR	109.10 MHz	10 nm	144.79	3.00	22 ft
				19 km	153.58		22 m
16	GS	IRKS	110.35 MHz	10 nm	144.77	3.00	22 ft
				19 km	153.56		22 m
33L	GS	INLL	109.30 MHz	10 nm	324.79	3.00	22 ft
				19 km	333.58		22 m
33R	GS	INRR	108.90 MHz	10 nm	324.79	3.00	23 ft
				19 km	333.58		23 m
34	GS	IRKN	108.10 MHz	10 nm	324.77	3.00	22 ft
				19 km	333.56		22 m