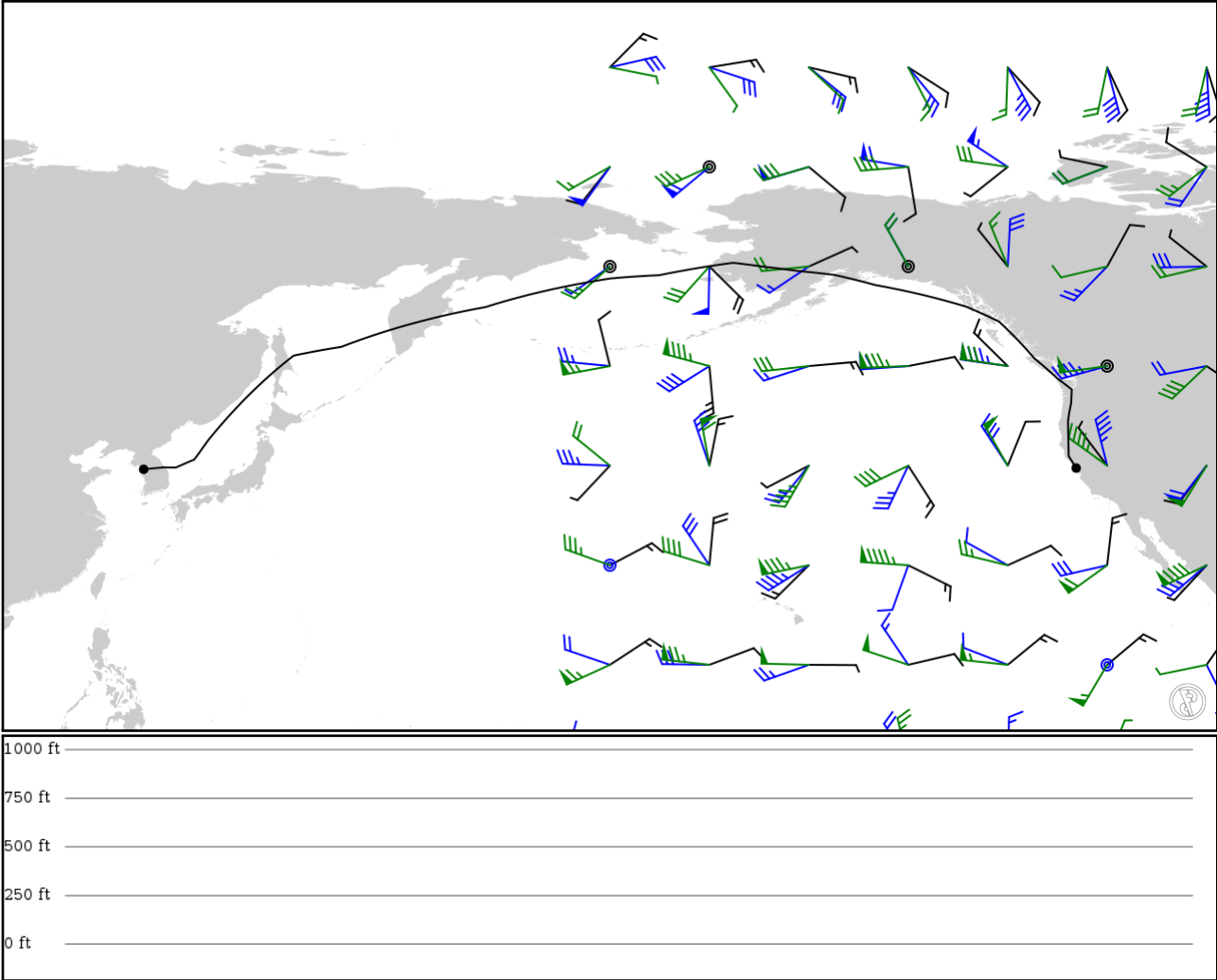


2024/06/05 0522Z

KSFO ENI J143 EUG J126 OLM J54 TOU J523 YZT J502 ANN J195 BKA J605 MDO J179 SMA B932 KIVAK G349  
MARCC G583 BALUB SEGUN BENOK DITOR NULAR B467 KANSU Y233 BUSKO Y437 NOMEX B467 KAE G597 BIKSI RKSI

5261.93 nm / 9745.10 km



Notes

Requested: KSFO ENI J143 EUG J126 OLM J54 TOU J523 YZT J502 ANN J195 BKA J605 MDO J179 SMA B932 KIVAK G349 MARCC G583  
Unmatched points: J605 P160 P176 T575

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KSFO APT	-	37.61850 -122.37500	0 ft 0 m	-	San Francisco Intl
ENI VOR	-	39.05320 -123.27400	0 ft 0 m	96	MENDOCINO (UKIAH)
RBG VOR	J143 AWY-HI	43.18240 -123.35200	0 ft 0 m	248	ROSEBURG
EUG VOR	J143 AWY-HI	44.12090 -123.22300	0 ft 0 m	56	EUGENE
UBG VOR	J126 AWY-HI	45.35320 -122.97800	0 ft 0 m	74	NEWBERG
OLM VOR	J126 AWY-HI	46.97160 -122.90200	0 ft 0 m	97	OLYMPIA
TOU VOR	J54 AWY-HI	48.29990 -124.62700	0 ft 0 m	106	TATOOSH (NEAH BAY)
INHAM FIX	J523 AWY-HI	49.05220 -125.45500	0 ft 0 m	55	-
YZT VOR	J523 AWY-HI	50.68410 -127.36500	0 ft 0 m	122	PORT HARDY
PRYCE FIX	J502 AWY-HI	52.23810 -128.75000	0 ft 0 m	106	-
DUGGS FIX	J502 AWY-HI	53.03470 -129.50300	0 ft 0 m	55	-
HANRY FIX	J502 AWY-HI	54.60640 -131.09300	0 ft 0 m	109	-
ANN VOR	J502 AWY-HI	55.06040 -131.57800	0 ft 0 m	32	ANNETTE ISLAND
UDENE FIX	J195 AWY-HI	55.69180 -132.90000	0 ft 0 m	58	-
FLIPS FIX	J195 AWY-HI	56.57570 -134.88000	0 ft 0 m	84	-
BJA VOR	J195 AWY-HI	56.85940 -135.55100	0 ft 0 m	27	BIORKA ISLAND (SITKA)
MDO VOR	J605 AWY-HI	59.42180 -146.35000	0 ft 0 m	374	MIDDLETON ISLAND
ENA VOR	J179 AWY-HI	60.61470 -151.19500	0 ft 0 m	162	KENAI
AKGAS FIX	J179 AWY-HI	61.00930 -154.69200	0 ft 0 m	105	-
SQA VOR	J179 AWY-HI	61.09860 -155.63500	0 ft 0 m	27	SPARREVOHN
ANI NDB	J179 AWY-HI	61.59020 -159.59800	0 ft 0 m	117	ANIAK
SMA NDB	J179 AWY-HI	62.05940 -163.28200	0 ft 0 m	108	SAINT MARY'S
LESAD FIX	B932 AWY-HI	61.18590 -168.93600	0 ft 0 m	169	-
KIVAK FIX	B932 AWY-HI	60.58330 -172.08300	0 ft 0 m	98	-
MARCC FIX	G349 AWY-HI	60.19330 -177.89300	0 ft 0 m	173	-
BESAT FIX	G583 AWY-HI	59.75000 179.41800	0 ft 0 m	85	-
NILAR	G583	57.19250	0 ft	375	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	168.50000	0 m		
BALUB	G583	56.79750	0 ft	47	-
FIX	AWY-HI	167.24300	0 m		
SEGUN	-	52.04860	0 ft	664	-
FIX	-	150.00200	0 m		
BENOK	-	51.00860	0 ft	220	-
FIX	-	144.33300	0 m		
DITOR	-	49.18360	0 ft	139	-
FIX	-	142.08500	0 m		
NULAR	-	40.98670	0 ft	594	-
FIX	-	134.18300	0 m		
TONIN	B467	39.33330	0 ft	113	-
FIX	AWY-HI	133.00000	0 m		
KANSU	B467	38.63330	0 ft	48	-
FIX	AWY-HI	132.47500	0 m		
ONATA	Y233	38.47560	0 ft	19	-
FIX	AWY-HI	132.10100	0 m		
SELPA	Y233	37.92080	0 ft	69	-
FIX	AWY-HI	130.82000	0 m		
BUSKO	Y233	37.67580	0 ft	30	-
FIX	AWY-HI	130.26900	0 m		
NOMEX	Y437	37.68670	0 ft	24	-
FIX	AWY-HI	129.74500	0 m		
KAE	B467	37.70070	0 ft	47	GANGWON
VOR	AWY-HI	128.75400	0 m		
BIKSI	G597	37.67560	0 ft	8	-
FIX	AWY-HI	128.58400	0 m		
RKSI	-	37.46540	0 ft	102	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: 12.836 E

## METAR

KSFO 050456Z 30013KT 10SM CLR 17/11 A2988 RMK A02 SLP119 T01670106

## TAF

TAF AMD KSFO 050301Z 0503/0606 28025G35KT P6SM SKC FM050500 27015G25KT P6SM SKC FM051000 27009KT P6SM SKC FM051900

## 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: 8.788 W

## METAR

RKSI 050500Z 28011KT CAVOK 23/13 Q1018 NOSIG

## TAF

TAF RKSI 042300Z 0500/0606 23006KT CAVOK TX26/0505Z TN17/0520Z TX26/0605Z BECMG 0503/0505 29006KT BECMG 0515/0517 23006KT

## 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