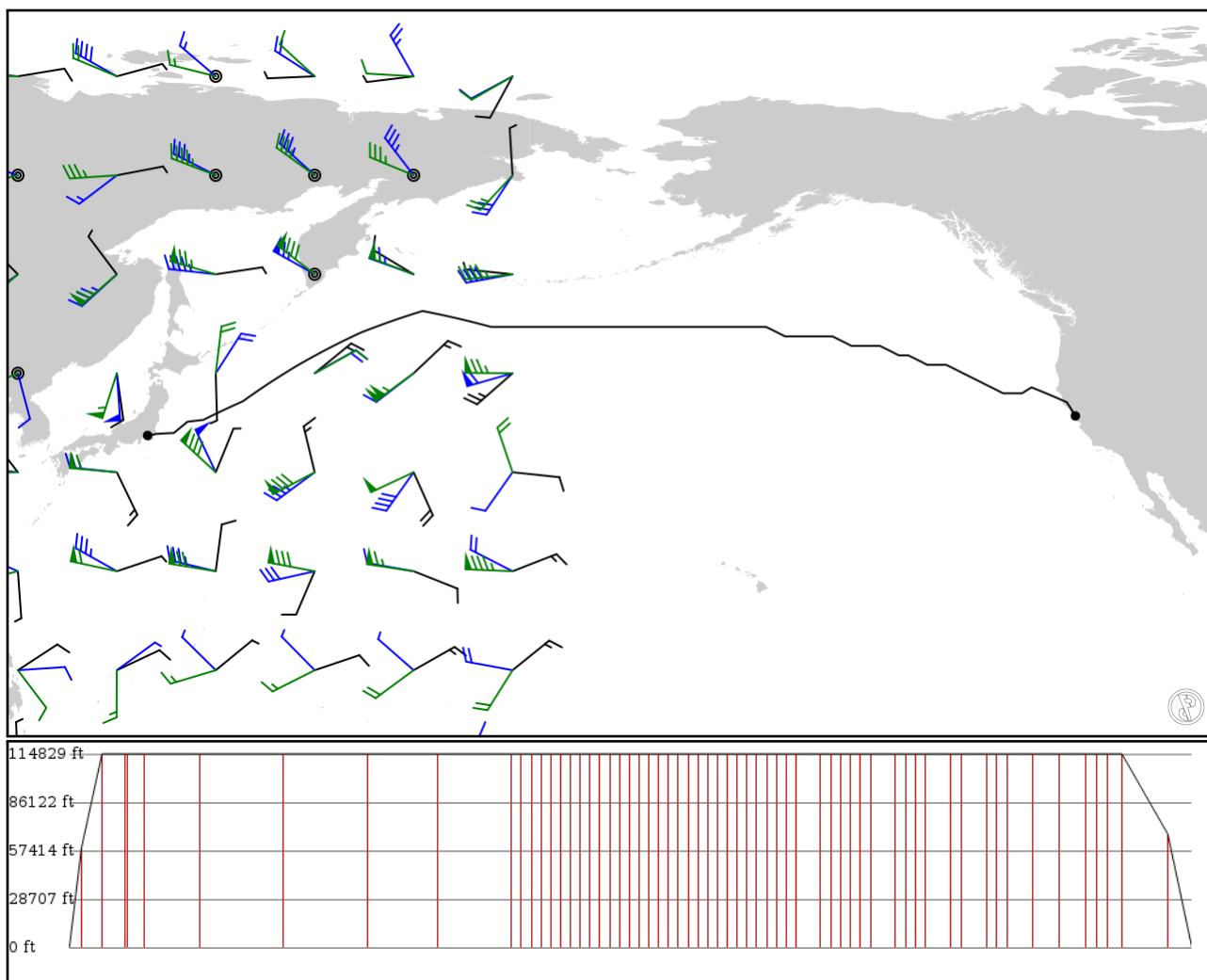


2024/05/13 1545Z

RJTT INUBO **Y51** KAGIS **A590** PABBA **OTR5** KALNA **G344** CARTO 4700N17600E 4700N17700E 4700N17800E
 4700N17900E 4700N18100W 4700N18000W 4700N18100E 4700N17900W 4700N17800W 4700N17700W 4700N17600W
 4700N17500W 4700N17400W 4700N17300W 4700N17200W 4700N17100W 4700N17000W 4700N16900W 4700N16800W
 4700N16700W 4700N16600W 4700N16500W 4700N16400W 4700N16300W 4700N16200W 4700N16100W 4700N16000W
 4700N15900W 4700N15800W 4700N15700W 4700N15600W 4700N15500W 4600N15300W 4600N15200W 4600N15100W
 4600N15000W 4600N14900W 4600N14800W 4500N14600W 4500N14500W 4500N14400W 4500N14300W 4400N14100W
 4400N14000W 4300N13800W 4300N13700W 4300N13600W 4200N13400W 4100N13200W 4000N13000W 4000N12900W
 4000N12800W VESPA **C1486** ENI KSFO

4687.81 nm / 8681.82 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
RJTT	-	35.54790	0 ft	-	Tokyo Intl
APT	-	139.78900	0 m		
INUBO	-	35.72650	18,000 ft	50	-
FIX	-	140.79900	5,486 m		
KAGIS	Y51	35.82020	35,000 ft	86	-
FIX	AWY-HI	142.56300	10,668 m		
PABBA	A590	37.00320	35,000 ft	99	-
FIX	AWY-HI	143.99600	10,668 m		
ONION	OTR5	37.02900	35,000 ft	10	-
FIX	AWY-HI	144.20600	10,668 m		
ADNAP	OTR5	37.19750	35,000 ft	70	-
FIX	AWY-HI	145.66600	10,668 m		
KALNA	OTR5	39.15380	35,000 ft	228	-
FIX	AWY-HI	149.82600	10,668 m		
KALIG	G344	42.98160	35,000 ft	350	-
FIX	AWY-HI	155.66900	10,668 m		
CUTEE	G344	46.41500	35,000 ft	350	-
FIX	AWY-HI	162.31000	10,668 m		
CARTO	G344	48.67570	35,000 ft	295	-
FIX	AWY-HI	168.78300	10,668 m		
4700N17600E	-	47.00000	35,000 ft	307	-
LATLON	-	176.00000	10,668 m		
4700N17700E	-	47.00000	35,000 ft	40	-
LATLON	-	177.00000	10,668 m		
4700N17800E	-	47.00000	35,000 ft	40	-
LATLON	-	178.00000	10,668 m		
4700N17900E	-	47.00000	35,000 ft	40	-
LATLON	-	179.00000	10,668 m		
4700N18100W	-	47.00000	35,000 ft	5	-
LATLON	-	-181.00000	10,668 m		
4700N18000W	-	47.00000	35,000 ft	40	-
LATLON	-	-180.00000	10,668 m		
4700N18100E	-	47.00000	35,000 ft	40	-
LATLON	-	-179.00000	10,668 m		
4700N17900W	-	47.00000	35,000 ft	0	-
LATLON	-	-179.00000	10,668 m		
4700N17800W	-	47.00000	35,000 ft	40	-
LATLON	-	-178.00000	10,668 m		
4700N17700W	-	47.00000	35,000 ft	40	-
LATLON	-	-177.00000	10,668 m		
4700N17600W	-	47.00000	35,000 ft	40	-
LATLON	-	-176.00000	10,668 m		
4700N17500W	-	47.00000	35,000 ft	40	-
LATLON	-	-175.00000	10,668 m		
4700N17400W	-	47.00000	35,000 ft	40	-
LATLON	-	-174.00000	10,668 m		
4700N17300W	-	47.00000	35,000 ft	40	-
LATLON	-	-173.00000	10,668 m		
4700N17200W	-	47.00000	35,000 ft	40	-
LATLON	-	-172.00000	10,668 m		
4700N17100W	-	47.00000	35,000 ft	40	-
LATLON	-	-171.00000	10,668 m		
4700N17000W	-	47.00000	35,000 ft	40	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-170.00000	10,668 m		
4700N16900W	-	47.00000	35,000 ft	40	-
LATLON	-	-169.00000	10,668 m		
4700N16800W	-	47.00000	35,000 ft	40	-
LATLON	-	-168.00000	10,668 m		
4700N16700W	-	47.00000	35,000 ft	40	-
LATLON	-	-167.00000	10,668 m		
4700N16600W	-	47.00000	35,000 ft	40	-
LATLON	-	-166.00000	10,668 m		
4700N16500W	-	47.00000	35,000 ft	40	-
LATLON	-	-165.00000	10,668 m		
4700N16400W	-	47.00000	35,000 ft	40	-
LATLON	-	-164.00000	10,668 m		
4700N16300W	-	47.00000	35,000 ft	40	-
LATLON	-	-163.00000	10,668 m		
4700N16200W	-	47.00000	35,000 ft	40	-
LATLON	-	-162.00000	10,668 m		
4700N16100W	-	47.00000	35,000 ft	40	-
LATLON	-	-161.00000	10,668 m		
4700N16000W	-	47.00000	35,000 ft	40	-
LATLON	-	-160.00000	10,668 m		
4700N15900W	-	47.00000	35,000 ft	40	-
LATLON	-	-159.00000	10,668 m		
4700N15800W	-	47.00000	35,000 ft	40	-
LATLON	-	-158.00000	10,668 m		
4700N15700W	-	47.00000	35,000 ft	40	-
LATLON	-	-157.00000	10,668 m		
4700N15600W	-	47.00000	35,000 ft	40	-
LATLON	-	-156.00000	10,668 m		
4700N15500W	-	47.00000	35,000 ft	40	-
LATLON	-	-155.00000	10,668 m		
4600N15300W	-	46.00000	35,000 ft	102	-
LATLON	-	-153.00000	10,668 m		
4600N15200W	-	46.00000	35,000 ft	41	-
LATLON	-	-152.00000	10,668 m		
4600N15100W	-	46.00000	35,000 ft	41	-
LATLON	-	-151.00000	10,668 m		
4600N15000W	-	46.00000	35,000 ft	41	-
LATLON	-	-150.00000	10,668 m		
4600N14900W	-	46.00000	35,000 ft	41	-
LATLON	-	-149.00000	10,668 m		
4600N14800W	-	46.00000	35,000 ft	41	-
LATLON	-	-148.00000	10,668 m		
4500N14600W	-	45.00000	35,000 ft	103	-
LATLON	-	-146.00000	10,668 m		
4500N14500W	-	45.00000	35,000 ft	42	-
LATLON	-	-145.00000	10,668 m		
4500N14400W	-	45.00000	35,000 ft	42	-
LATLON	-	-144.00000	10,668 m		
4500N14300W	-	45.00000	35,000 ft	42	-
LATLON	-	-143.00000	10,668 m		
4400N14100W	-	44.00000	35,000 ft	104	-
LATLON	-	-141.00000	10,668 m		
4400N14000W	-	44.00000	35,000 ft	43	-
LATLON	-	-140.00000	10,668 m		
4300N13800W	-	43.00000	35,000 ft	105	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-138.00000	10,668 m		
4300N13700W	-	43.00000	35,000 ft	43	-
LATLON	-	-137.00000	10,668 m		
4300N13600W	-	43.00000	35,000 ft	43	-
LATLON	-	-136.00000	10,668 m		
4200N13400W	-	42.00000	35,000 ft	106	-
LATLON	-	-134.00000	10,668 m		
4100N13200W	-	41.00000	35,000 ft	108	-
LATLON	-	-132.00000	10,668 m		
4000N13000W	-	40.00000	35,000 ft	109	-
LATLON	-	-130.00000	10,668 m		
4000N12900W	-	40.00000	35,000 ft	46	-
LATLON	-	-129.00000	10,668 m		
4000N12800W	-	40.00000	35,000 ft	46	-
LATLON	-	-128.00000	10,668 m		
VESPA	-	40.62530	35,000 ft	59	-
FIX	-	-127.00000	10,668 m		
ENI	C1486	39.05320	20,500 ft	196	MENDOCINO (UKIAH)
VOR	AWY-HI	-123.27400	6,248 m		
KSFO	-	37.61850	0 ft	96	San Francisco International
APT	-	-122.37500	0 m		

RJTT

Region: JAPAN
Timezone: ASIA/TOKYO
Runways: 4

Elevation: 20 ft / 6 m
Location: 35.547900 139.789000
Magnetic Var: 7.806 W

METAR

RJTT 131530Z 04010KT 9999 FEW004 SCT008 BKN010 16/15 Q1013 TEMPO TL1600 FEW004 BKN008

TAF

TAF RJTT 131105Z 1312/1418 02010KT 9999 FEW008 BKN015 TEMPO 1312/1316 FEW005 BKN008

Frequencies

REC - 128.80 MHz - TOKYO ATIS	CLD - 121.87 MHz - TOKYO DELIVERY
CLD - 121.82 MHz - TOKYO DELIVERY	GND - 118.22 MHz - TOKYO GROUND
GND - 121.62 MHz - TOKYO GROUND	GND - 121.70 MHz - TOKYO GROUND
GND - 121.97 MHz - TOKYO GROUND	GND - 122.07 MHz - TOKYO GROUND
TWR - 118.10 MHz - TOKYO TOWER	TWR - 118.57 MHz - TOKYO TOWER
TWR - 118.72 MHz - TOKYO TOWER	TWR - 124.35 MHz - TOKYO TOWER
TWR - 118.80 MHz - TOKYO TOWER	TWR - 116.20 MHz - TOKYO TOWER
APP - 119.10 MHz - TOKYO APPROACH	APP - 119.40 MHz - TOKYO APPROACH
APP - 119.65 MHz - TOKYO APPROACH	APP - 119.70 MHz - TOKYO APPROACH
APP - 125.40 MHz - TOKYO APPROACH	APP - 121.27 MHz - TOKYO APPROACH
APP - 124.40 MHz - TOKYO APPROACH	APP - 125.20 MHz - TOKYO APPROACH
APP - 125.80 MHz - TOKYO APPROACH	APP - 127.70 MHz - TOKYO APPROACH
DEP - 126.00 MHz - TOKYO DEPARTURE	DEP - 120.80 MHz - TOKYO DEPARTURE
DEP - 127.50 MHz - TOKYO DEPARTURE	DEP - 127.60 MHz - TOKYO DEPARTURE
DEP - 124.20 MHz - TOKYO DEPARTURE	DEP - 119.60 MHz - TOKYO DEPARTURE
DEP - 120.60 MHz - TOKYO DEPARTURE	DEP - 125.52 MHz - TOKYO DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16L	197 ft	11,039 ft	150.01	ASPHALT	0 ft	190 ft
	60 m	3,365 m	157.82		0 m	58 m
34R	197 ft	11,039 ft	330.02	ASPHALT	1,181 ft	194 ft
	60 m	3,365 m	337.83		360 m	59 m
04	197 ft	8,211 ft	34.92	ASPHALT	0 ft	194 ft
	60 m	2,503 m	42.73		0 m	59 m
22	197 ft	8,211 ft	214.93	ASPHALT	0 ft	190 ft
	60 m	2,503 m	222.74		0 m	58 m
16R	197 ft	9,855 ft	149.98	ASPHALT	0 ft	0 ft
	60 m	3,004 m	157.79		0 m	0 m
34L	197 ft	9,855 ft	329.99	ASPHALT	0 ft	190 ft
	60 m	3,004 m	337.80		0 m	58 m
05	197 ft	8,206 ft	42.44	ASPHALT	0 ft	190 ft
	60 m	2,501 m	50.25		0 m	58 m
23	197 ft	8,206 ft	222.45	ASPHALT	0 ft	194 ft
	60 m	2,501 m	230.26		0 m	59 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
22	DME	IAD	108.10 MHz	18 nm	-	-	46 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	-		46 m
23	DME	ITD	110.50 MHz	18 nm	-	-	20 ft
				33 km	-		20 m
34L	DME	IHA	111.70 MHz	18 nm	-	-	38 ft
				33 km	-		38 m
34R	DME	ITC	108.90 MHz	18 nm	-	-	21 ft
				33 km	-		21 m
16L	LOC-ILS	IOC	111.95 MHz	18 nm	150.02	-	20 ft
				33 km	157.83		20 m
16R	LOC-ILS	ITA	111.55 MHz	18 nm	149.99	-	20 ft
				33 km	157.80		20 m
22	LOC-ILS	IAD	108.10 MHz	18 nm	214.93	-	20 ft
				33 km	222.74		20 m
23	LOC-ILS	ITD	110.50 MHz	18 nm	222.45	-	20 ft
				33 km	230.26		20 m
34L	LOC-ILS	IHA	111.70 MHz	18 nm	329.99	-	20 ft
				33 km	337.80		20 m
34R	LOC-ILS	ITC	108.90 MHz	18 nm	330.02	-	20 ft
				33 km	337.83		20 m
16L	GS	IOC	111.95 MHz	10 nm	150.02	3.00	20 ft
				19 km	157.83		20 m
16R	GS	ITA	111.55 MHz	10 nm	149.99	3.00	20 ft
				19 km	157.80		20 m
22	GS	IAD	108.10 MHz	10 nm	214.93	3.00	20 ft
				19 km	222.74		20 m
23	GS	ITD	110.50 MHz	10 nm	222.45	3.00	20 ft
				19 km	230.26		20 m
34L	GS	IHA	111.70 MHz	10 nm	329.99	3.00	20 ft
				19 km	337.80		20 m
34R	GS	ITC	108.90 MHz	10 nm	330.02	3.00	20 ft
				19 km	337.83		20 m

KSFO

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

Elevation: 13 ft / 4 m
Location: 37.618500 -122.375000
Magnetic Var: 12.842 E

METAR

KSFO 131456Z 27007KT 10SM FEW006 OVC009 12/09 A2998 RMK A02 SLP153 T01170089 53006 \$

TAF

KSFO 131453Z 1315/1418 26008KT P6SM OVC009 FM131800 27010KT P6SM BKN012 FM131900 27014KT P6SM SKC FM140500 27007KT

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