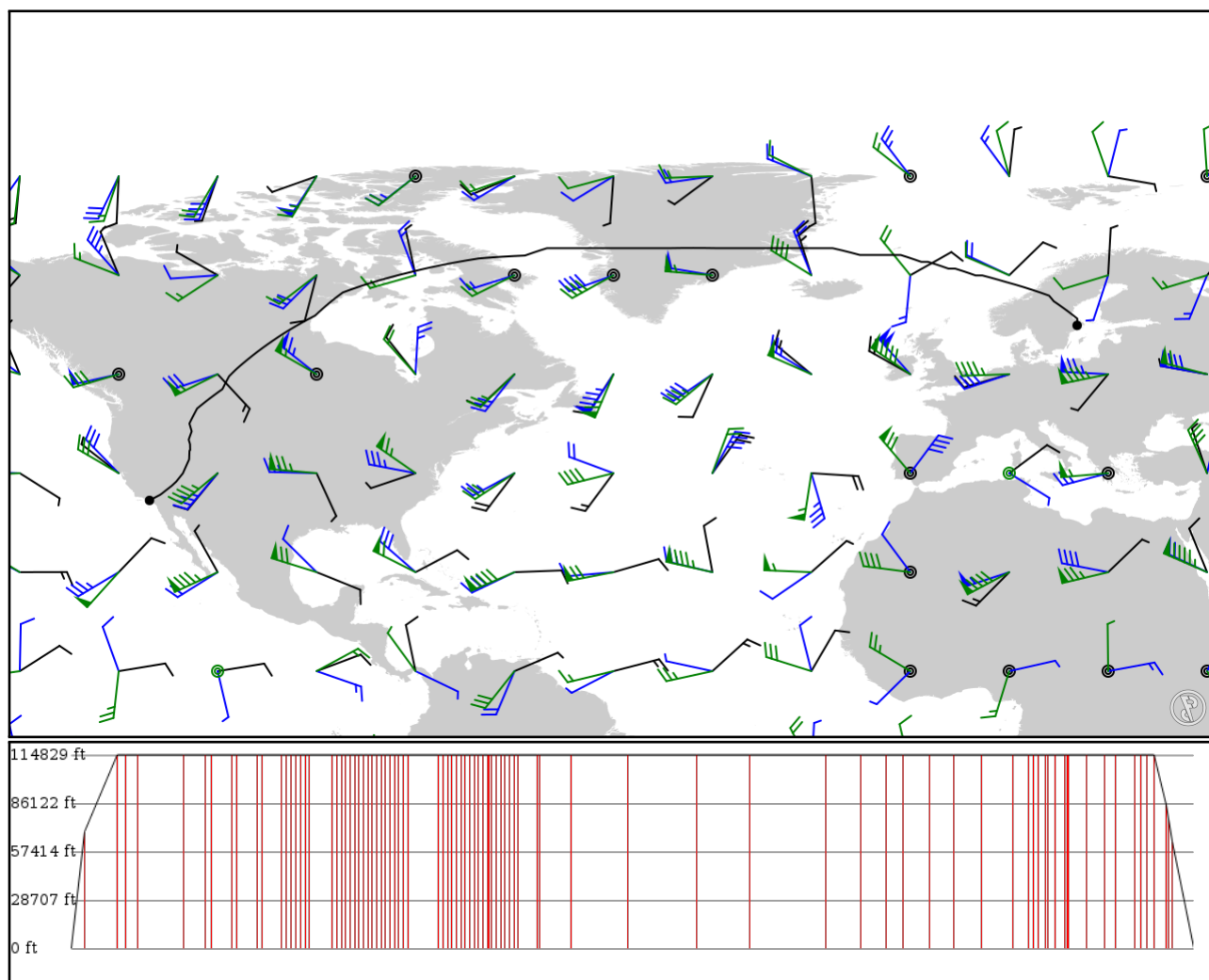


2024/05/15 0718Z

ESSA DEGal **L870** GIKAV **L80** TABEV 6700N0400E 6700N0300E 6800N0000E 6800N0-100W 6900N0-400W
6900N0-500W 7000N0-800W 7000N0-900W 7000N0-1000W 7000N0-1100W 7000N0-1200W 7000N0-1300W
7000N0-1400W 7100N0-1800W 7100N0-1900W 7100N0-2000W 7100N0-2100W 7100N0-2200W 7100N0-2300W
7100N0-2400W 7100N0-2500W 7100N0-2600W 7100N0-2700W 7100N0-2800W 7100N0-2900W 7100N0-3000W
7100N0-3100W 7100N0-3200W 7100N0-3300W 7100N0-3400W 7100N0-3500W 7100N0-4200W 7100N0-4300W
7100N0-4400W 7100N0-4500W 7100N0-4600W 7100N0-4700W 7100N0-4800W 7100N0-4900W 7100N0-5000W
7100N0-5100W 7100N0-5200W 7100N0-5300W KELUX 7100N0-5400W 7100N0-5500W 7100N0-5600W 7100N0-5700W
7100N0-5800W 7100N0-5900W 7100N0-6000W 7000N0-6300W ADSAM **NCAA** 070A **LAT4** YEK **J540** YYL **J539** YXE
V303 YYN **J530** GTF **J9** DBS **V257** PIH **V21** MLD **V257** NUBGE PATIO **Q842** BLIPP **Q70** LAS **J100** DAG **V394** BASAL
KLAX

4955.77 nm / 9178.08 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
ESSA	-	59.65190	0 ft	-	Stockholm Arlanda
APT	-	17.91860	0 m	-	
DEGAL	-	60.63880	21,100 ft	59	-
FIX	-	17.95670	6,431 m	-	-
OSLAV	L870	62.72640	35,000 ft	148	-
FIX	AWY-HI	15.18330	10,668 m	-	-
OSS	L870	63.19960	35,000 ft	34	OSTERSUND
VOR	AWY-HI	14.48760	10,668 m	-	
GIKAV	L870	64.03430	35,000 ft	53	-
FIX	AWY-HI	13.79390	10,668 m	-	-
TABEV	L80	66.03970	35,000 ft	200	-
FIX	AWY-HI	7.44113	10,668 m	-	-
6700N0400E	-	67.00000	35,000 ft	100	-
LATLON	-	4.00000	10,668 m	-	-
6700N0300E	-	67.00000	35,000 ft	23	-
LATLON	-	3.00000	10,668 m	-	-
6800N0000E	-	68.00000	35,000 ft	91	-
LATLON	-	0.00000	10,668 m	-	-
6800N0-100W	-	68.00000	35,000 ft	22	-
LATLON	-	-1.00000	10,668 m	-	-
6900N0-400W	-	69.00000	35,000 ft	89	-
LATLON	-	-4.00000	10,668 m	-	-
6900N0-500W	-	69.00000	35,000 ft	21	-
LATLON	-	-5.00000	10,668 m	-	-
7000N0-800W	-	70.00000	35,000 ft	87	-
LATLON	-	-8.00000	10,668 m	-	-
7000N0-900W	-	70.00000	35,000 ft	20	-
LATLON	-	-9.00000	10,668 m	-	-
7000N0-1000W	-	70.00000	35,000 ft	20	-
LATLON	-	-10.00000	10,668 m	-	-
7000N0-1100W	-	70.00000	35,000 ft	20	-
LATLON	-	-11.00000	10,668 m	-	-
7000N0-1200W	-	70.00000	35,000 ft	20	-
LATLON	-	-12.00000	10,668 m	-	-
7000N0-1300W	-	70.00000	35,000 ft	20	-
LATLON	-	-13.00000	10,668 m	-	-
7000N0-1400W	-	70.00000	35,000 ft	20	-
LATLON	-	-14.00000	10,668 m	-	-
7100N0-1800W	-	71.00000	35,000 ft	100	-
LATLON	-	-18.00000	10,668 m	-	-
7100N0-1900W	-	71.00000	35,000 ft	19	-
LATLON	-	-19.00000	10,668 m	-	-
7100N0-2000W	-	71.00000	35,000 ft	19	-
LATLON	-	-20.00000	10,668 m	-	-
7100N0-2100W	-	71.00000	35,000 ft	19	-
LATLON	-	-21.00000	10,668 m	-	-
7100N0-2200W	-	71.00000	35,000 ft	19	-
LATLON	-	-22.00000	10,668 m	-	-
7100N0-2300W	-	71.00000	35,000 ft	19	-
LATLON	-	-23.00000	10,668 m	-	-
7100N0-2400W	-	71.00000	35,000 ft	19	-
LATLON	-	-24.00000	10,668 m	-	-
7100N0-2500W	-	71.00000	35,000 ft	19	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-25.00000	10,668 m		
7100N0-2600W	-	71.00000	35,000 ft	19	-
LATLON	-	-26.00000	10,668 m		
7100N0-2700W	-	71.00000	35,000 ft	19	-
LATLON	-	-27.00000	10,668 m		
7100N0-2800W	-	71.00000	35,000 ft	19	-
LATLON	-	-28.00000	10,668 m		
7100N0-2900W	-	71.00000	35,000 ft	19	-
LATLON	-	-29.00000	10,668 m		
7100N0-3000W	-	71.00000	35,000 ft	19	-
LATLON	-	-30.00000	10,668 m		
7100N0-3100W	-	71.00000	35,000 ft	19	-
LATLON	-	-31.00000	10,668 m		
7100N0-3200W	-	71.00000	35,000 ft	19	-
LATLON	-	-32.00000	10,668 m		
7100N0-3300W	-	71.00000	35,000 ft	19	-
LATLON	-	-33.00000	10,668 m		
7100N0-3400W	-	71.00000	35,000 ft	19	-
LATLON	-	-34.00000	10,668 m		
7100N0-3500W	-	71.00000	35,000 ft	19	-
LATLON	-	-35.00000	10,668 m		
7100N0-4200W	-	71.00000	35,000 ft	136	-
LATLON	-	-42.00000	10,668 m		
7100N0-4300W	-	71.00000	35,000 ft	19	-
LATLON	-	-43.00000	10,668 m		
7100N0-4400W	-	71.00000	35,000 ft	19	-
LATLON	-	-44.00000	10,668 m		
7100N0-4500W	-	71.00000	35,000 ft	19	-
LATLON	-	-45.00000	10,668 m		
7100N0-4600W	-	71.00000	35,000 ft	19	-
LATLON	-	-46.00000	10,668 m		
7100N0-4700W	-	71.00000	35,000 ft	19	-
LATLON	-	-47.00000	10,668 m		
7100N0-4800W	-	71.00000	35,000 ft	19	-
LATLON	-	-48.00000	10,668 m		
7100N0-4900W	-	71.00000	35,000 ft	19	-
LATLON	-	-49.00000	10,668 m		
7100N0-5000W	-	71.00000	35,000 ft	19	-
LATLON	-	-50.00000	10,668 m		
7100N0-5100W	-	71.00000	35,000 ft	19	-
LATLON	-	-51.00000	10,668 m		
7100N0-5200W	-	71.00000	35,000 ft	19	-
LATLON	-	-52.00000	10,668 m		
7100N0-5300W	-	71.00000	35,000 ft	19	-
LATLON	-	-53.00000	10,668 m		
KELUX	-	71.00000	35,000 ft	6	-
FIX	-	-53.33640	10,668 m		
7100N0-5400W	-	71.00000	35,000 ft	12	-
LATLON	-	-54.00000	10,668 m		
7100N0-5500W	-	71.00000	35,000 ft	19	-
LATLON	-	-55.00000	10,668 m		
7100N0-5600W	-	71.00000	35,000 ft	19	-
LATLON	-	-56.00000	10,668 m		
7100N0-5700W	-	71.00000	35,000 ft	19	-
LATLON	-	-57.00000	10,668 m		
7100N0-5800W	-	71.00000	35,000 ft	19	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-58.00000	10,668 m		
7100N0-5900W	-	71.00000	35,000 ft	19	-
LATLON	-	-59.00000	10,668 m		
7100N0-6000W	-	71.00000	35,000 ft	19	-
LATLON	-	-60.00000	10,668 m		
7000N0-6300W	-	70.00000	35,000 ft	84	-
LATLON	-	-63.00000	10,668 m		
ADSAM	-	69.92120	35,000 ft	6	-
FIX	-	-63.21990	10,668 m		
070A	NCAA	69.50000	35,000 ft	143	-
FIX	AWY-HI	-70.00000	10,668 m		
080B	LAT4	67.50000	35,000 ft	250	-
FIX	AWY-HI	-80.00000	10,668 m		
090C	LAT4	64.50000	35,000 ft	302	-
FIX	AWY-HI	-90.00000	10,668 m		
YEK	LAT4	61.09910	35,000 ft	232	ARVIAT
NDB	AWY-HI	-94.06890	10,668 m		
YYL	J540	56.86390	35,000 ft	333	LYNN LAKE
VOR	AWY-HI	-101.07500	10,668 m		
POLLE	J539	54.77440	35,000 ft	156	-
FIX	AWY-HI	-103.83300	10,668 m		
YPA	J539	53.21640	35,000 ft	113	PRINCE ALBERT
VOR	AWY-HI	-105.66600	10,668 m		
YXE	J539	52.18110	35,000 ft	73	SASKATOON
VOR	AWY-HI	-106.72000	10,668 m		
YYN	V303	50.29700	35,000 ft	118	SWIFT CURRENT
VOR	AWY-LO	-107.69100	10,668 m		
GGRBI	J530	49.00000	35,000 ft	103	-
FIX	AWY-HI	-109.45800	10,668 m		
GTF	J530	47.45000	35,000 ft	121	GREAT FALLS
VOR	AWY-HI	-111.41200	10,668 m		
DLN	J9	45.24860	35,000 ft	140	DILLON
VOR	AWY-HI	-112.54700	10,668 m		
DBS	J9	44.08890	35,000 ft	71	DUBOIS
VOR	AWY-HI	-112.20900	10,668 m		
TERRE	V257	43.73360	35,000 ft	22	-
FIX	AWY-LO	-112.34000	10,668 m		
ROCCA	V257	43.40120	35,000 ft	20	-
FIX	AWY-LO	-112.46200	10,668 m		
PIH	V257	42.87040	35,000 ft	32	POCATELLO
VOR	AWY-LO	-112.65200	10,668 m		
BANNO	V21	42.72030	35,000 ft	9	-
FIX	AWY-LO	-112.60700	10,668 m		
MLD	V21	42.19990	35,000 ft	32	MALAD CITY
VOR	AWY-LO	-112.45100	10,668 m		
KREBS	V257	41.48880	35,000 ft	42	-
FIX	AWY-LO	-112.43500	10,668 m		
NUBGE	V257	41.33300	35,000 ft	9	-
FIX	AWY-LO	-112.43100	10,668 m		
PATIO	-	41.26670	35,000 ft	6	-
FIX	-	-112.53300	10,668 m		
PICHO	Q842	39.96670	35,000 ft	78	-
FIX	AWY-HI	-112.58300	10,668 m		
TABLL	Q842	38.66560	35,000 ft	82	-
FIX	AWY-HI	-113.17600	10,668 m		
WINEN	Q842	37.93330	35,000 ft	46	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-113.50000	10,668 m		
BLIPP	Q842	36.71150	35,000 ft	86	-
FIX	AWY-HI	-114.47400	10,668 m		
IFEYE	Q70	36.41560	35,000 ft	23	-
FIX	AWY-HI	-114.79700	10,668 m		
LAS	Q70	36.07970	35,000 ft	26	LAS VEGAS
VOR	AWY-HI	-115.16000	10,668 m		
CLARR	J100	35.67570	35,000 ft	35	-
FIX	AWY-HI	-115.68000	10,668 m		
MISEN	J100	35.10230	26,000 ft	49	-
FIX	AWY-HI	-116.40400	7,925 m		
DAG	J100	34.96250	23,400 ft	11	DAGGETT
VOR	AWY-HI	-116.57800	7,132 m		
BASAL	V394	34.75780	19,400 ft	18	-
FIX	AWY-LO	-116.86200	5,913 m		
KLAX	-	33.94310	0 ft	90	Los Angeles Intl
APT	-	-118.40900	0 m		

ESSA

Region: SWEDEN
Timezone: EUROPE/STOCKHOLM
Runways: 3

Elevation: 138 ft / 42 m
Location: 59.651900 17.918600
Magnetic Var: 7.124 E

METAR

ESSA 150650Z 20010KT CAVOK 16/06 Q1021 NOSIG

TAF

TAF ESSA 150530Z 1506/1606 19010KT CAVOK

Frequencies

REC - 119.00 MHz - ATIS	REC - 121.62 MHz - ATIS
APP - 123.75 MHz - STOCKHOLM CONTROL APPROACH	APP - 120.15 MHz - STOCKHOLM CONTROL APPROACH
APP - 126.65 MHz - STOCKHOLM CONTROL APPROACH	DEP - 123.75 MHz - STOCKHOLM CONTROL DEPARTURE
DEP - 120.15 MHz - STOCKHOLM CONTROL DEPARTURE	DEP - 126.65 MHz - STOCKHOLM CONTROL DEPARTURE
TWR - 118.50 MHz - ARLANDA TOWER	TWR - 125.12 MHz - ARLANDA TOWER
TWR - 128.72 MHz - ARLANDA TOWER	TWR - 123.10 MHz - ARLANDA TOWER
GND - 121.70 MHz - ARLANDA GROUND	GND - 121.97 MHz - ARLANDA GROUND
GND - 121.92 MHz - ARLANDA GROUND	CLD - 121.82 MHz - CLEARANCE DELIVERY

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01L	148 ft	10,817 ft	10.38	ASPHALT	0 ft	154 ft
	45 m	3,297 m	3.25		0 m	47 m
19R	148 ft	10,817 ft	190.38	ASPHALT	0 ft	164 ft
	45 m	3,297 m	183.26		0 m	50 m
01R	148 ft	8,151 ft	10.38	ASPHALT	0 ft	223 ft
	45 m	2,484 m	3.25		0 m	68 m
19L	148 ft	8,151 ft	190.38	ASPHALT	0 ft	0 ft
	45 m	2,484 m	183.26		0 m	0 m
08	148 ft	8,180 ft	75.84	ASPHALT	0 ft	161 ft
	45 m	2,493 m	68.72		0 m	49 m
26	148 ft	8,180 ft	255.88	ASPHALT	0 ft	161 ft
	45 m	2,493 m	248.76		0 m	49 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01L	LOC-ILS	SSA	109.90 MHz	18 nm	10.38	-	138 ft
				33 km	3.26		138 m
01R	LOC-ILS	TSA	109.35 MHz	18 nm	10.38	-	138 ft
				33 km	3.26		138 m
19L	LOC-ILS	USA	111.35 MHz	18 nm	190.38	-	138 ft
				33 km	183.26		138 m
19R	LOC-ILS	NSA	110.70 MHz	18 nm	190.38	-	138 ft
				33 km	183.26		138 m
26	LOC-ILS	ESA	110.10 MHz	18 nm	255.86	-	138 ft
				33 km	248.74		138 m
08	LOC-LOC	WSA	109.55 MHz	18 nm	75.86	-	138 ft
				33 km	68.74		138 m
01L	GS	SSA	109.90 MHz	10 nm	10.38	3.00	138 ft
				19 km	3.26		138 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01R	GS	TSA	109.35 MHz	10 nm	10.38	3.00	138 ft
				19 km	3.26		138 m
19L	GS	USA	111.35 MHz	10 nm	190.38	3.00	138 ft
				19 km	183.26		138 m
19R	GS	NSA	110.70 MHz	10 nm	190.38	3.00	138 ft
				19 km	183.26		138 m
26	GS	ESA	110.10 MHz	10 nm	255.86	3.00	138 ft
				19 km	248.74		138 m

KLAX

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

Elevation: 125 ft / 38 m
Location: 33.943100 -118.409000
Magnetic Var: 11.440 E

METAR

KLAX 150653Z VRB05KT 10SM FEW009 OVC014 15/12 A2993 RMK A02 SLP135 T01500117 \$

TAF

KLAX 150539Z 1506/1612 30006KT P6SM OVC012 FM151000 VRB03KT 6SM BR OVC008 FM151800 26010KT P6SM OVC012 FM152100 2

Frequencies

COM - 122.95 MHz - UNICOM	GND - 121.65 MHz - LOS ANGELES GROUND
GND - 121.75 MHz - LOS ANGELES GROUND	GND - 121.40 MHz - LOS ANGELES GROUND
TWR - 119.80 MHz - LOS ANGELES TOWER	TWR - 120.95 MHz - LOS ANGELES TOWER
TWR - 133.90 MHz - LOS ANGELES TOWER	REC - 133.80 MHz - D-ATIS
REC - 135.65 MHz - D-ATIS	APP - 124.90 MHz - SOCAL APPROACH
APP - 124.30 MHz - SOCAL APPROACH	APP - 124.50 MHz - SOCAL APPROACH
APP - 128.50 MHz - SOCAL APPROACH	DEP - 125.20 MHz - SOCAL DEPARTURE
DEP - 124.30 MHz - SOCAL DEPARTURE	CLD - 120.35 MHz - CLEARANCE DELIVERY

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07R	200 ft	11,106 ft	82.96	CONCRETE	0 ft	381 ft
	61 m	3,385 m	71.52		0 m	116 m
25L	200 ft	11,106 ft	262.98	CONCRETE	0 ft	381 ft
	61 m	3,385 m	251.54		0 m	116 m
07L	151 ft	12,935 ft	82.95	CONCRETE	846 ft	374 ft
	46 m	3,943 m	71.51		258 m	114 m
25R	151 ft	12,935 ft	262.98	CONCRETE	968 ft	197 ft
	46 m	3,943 m	251.54		295 m	60 m
06R	151 ft	10,896 ft	82.95	CONCRETE	551 ft	384 ft
	46 m	3,321 m	71.51		168 m	117 m
24L	151 ft	10,896 ft	262.97	CONCRETE	814 ft	384 ft
	46 m	3,321 m	251.53		248 m	117 m
06L	151 ft	8,936 ft	82.95	CONCRETE	0 ft	0 ft
	46 m	2,724 m	71.51		0 m	0 m
24R	151 ft	8,936 ft	262.96	CONCRETE	0 ft	285 ft
	46 m	2,724 m	251.53		0 m	87 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06L	DME	IUWU	108.50 MHz	18 nm	-	-	120 ft
				33 km	-		120 m
06R	DME	IGPE	111.70 MHz	18 nm	-	-	120 ft
				33 km	-		120 m
07L	DME	IIAS	111.10 MHz	18 nm	-	-	103 ft
				33 km	-		103 m
07R	DME	IMKZ	109.90 MHz	18 nm	-	-	103 ft
				33 km	-		103 m
24L	DME	IHQB	111.70 MHz	18 nm	-	-	133 ft
				33 km	-		133 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
24R	DME	IOSS	108.50 MHz	18 nm 33 km	- -	-	133 ft 133 m
25L	DME	ILAX	109.90 MHz	18 nm 33 km	- -	-	126 ft 126 m
25R	DME	ICFN	111.10 MHz	18 nm 33 km	- -	-	126 ft 126 m
06L	LOC-ILS	IUWU	108.50 MHz	18 nm 33 km	82.97 71.53	-	125 ft 125 m
06R	LOC-ILS	IGPE	111.70 MHz	18 nm 33 km	82.97 71.53	-	125 ft 125 m
07L	LOC-ILS	IIAS	111.10 MHz	18 nm 33 km	82.98 71.54	-	125 ft 125 m
07R	LOC-ILS	IMKZ	109.90 MHz	18 nm 33 km	82.97 71.53	-	125 ft 125 m
24L	LOC-ILS	IHQB	111.70 MHz	18 nm 33 km	262.97 251.53	-	125 ft 125 m
24R	LOC-ILS	IOSS	108.50 MHz	18 nm 33 km	262.97 251.53	-	125 ft 125 m
25L	LOC-ILS	ILAX	109.90 MHz	18 nm 33 km	262.97 251.53	-	125 ft 125 m
25R	LOC-ILS	ICFN	111.10 MHz	18 nm 33 km	262.98 251.54	-	125 ft 125 m
06L	GS	IUWU	108.50 MHz	10 nm 19 km	82.97 71.53	3.00	125 ft 125 m
06R	GS	IGPE	111.70 MHz	10 nm 19 km	82.97 71.53	3.00	125 ft 125 m
07L	GS	IIAS	111.10 MHz	10 nm 19 km	82.98 71.54	3.00	125 ft 125 m
07R	GS	IMKZ	109.90 MHz	10 nm 19 km	82.97 71.53	3.00	125 ft 125 m
24L	GS	IHQB	111.70 MHz	10 nm 19 km	262.97 251.53	3.00	125 ft 125 m
24R	GS	IOSS	108.50 MHz	10 nm 19 km	262.97 251.53	3.00	125 ft 125 m
25L	GS	ILAX	109.90 MHz	10 nm 19 km	262.97 251.53	3.00	125 ft 125 m
25R	GS	ICFN	111.10 MHz	10 nm 19 km	262.98 251.54	3.00	125 ft 125 m