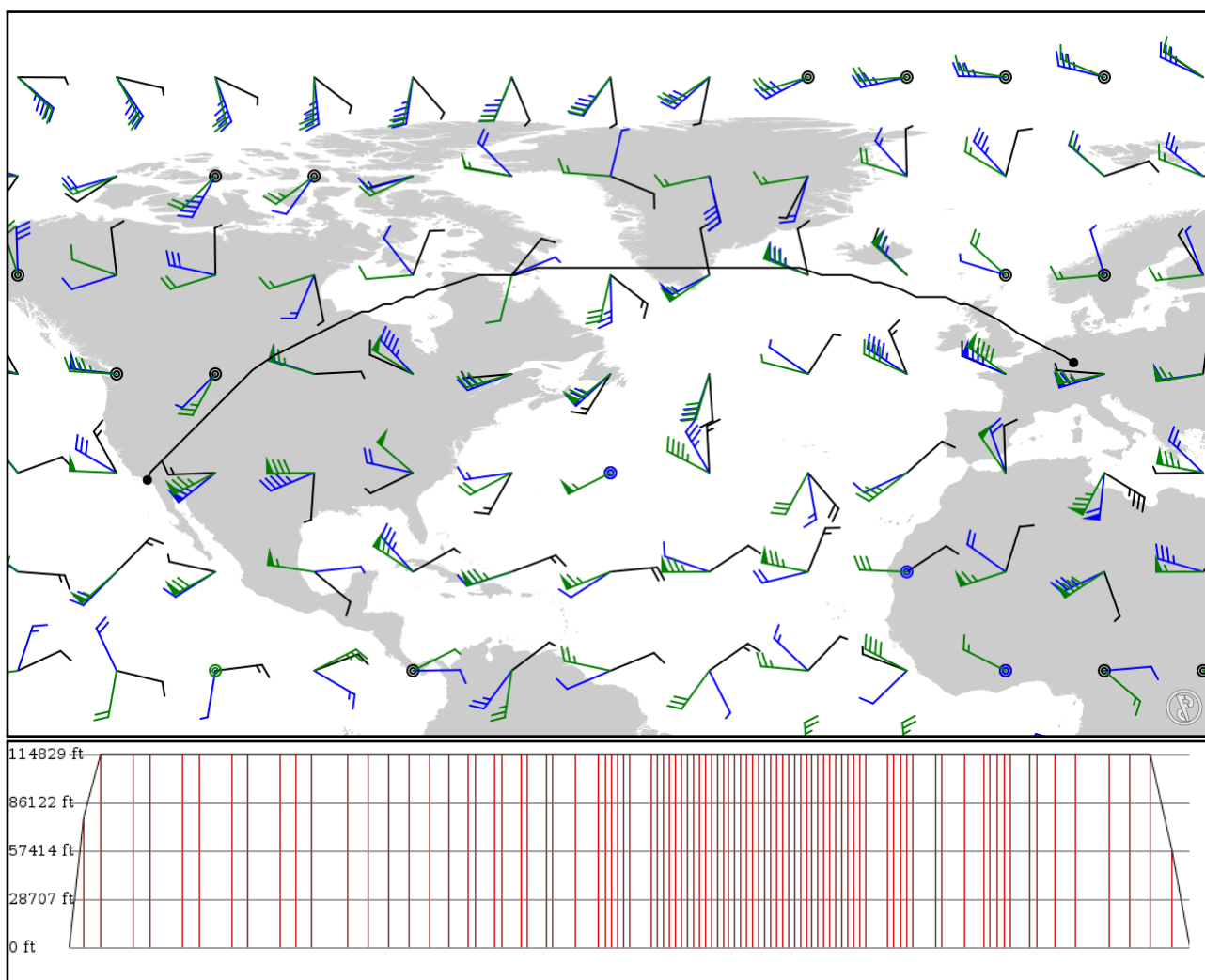


2024/05/20 0746Z

KLAX 3500N11800W 3600N11700W 3800N11500W 3900N11400W 4100N11200W 4200N11100W 4400N10900W  
4500N10800W 4700N10600W 4800N10500W 4900N10400W 5100N10100W 5200N09900W 5300N09700W 5400N09500W  
5500N09300W 5600N09100W 5700N08900W 5700N08800W 5800N08600W 5800N08500W 5900N08300W 5900N08200W  
6000N08000W 6000N07900W 6100N07600W 6200N07300W 6200N07200W 6200N07100W 6200N07000W 6200N06900W  
6200N06800W 6300N06500W 6300N06400W 6300N06300W 6300N06200W 6300N06100W 6300N06000W 6300N05900W  
6300N05800W 6300N05700W 6300N05600W 6300N05500W 6300N05400W 6300N05300W 6300N05200W 6300N05100W  
6300N05000W 6300N04900W 6300N04800W 6300N04700W 6300N04600W 6300N04500W 6300N04400W 6300N04300W  
6300N04200W 6300N04100W 6300N04000W 6300N03900W 6300N03800W 6300N03700W 6300N03600W 6300N03500W  
6300N03400W 6300N03300W 6300N03200W 6300N03100W 6300N03000W 6300N02900W 6200N02600W 6200N02500W  
6200N02400W 6200N02300W 6200N02200W 6100N01900W 6100N01800W 6000N01500W 5900N01300W 5900N01200W  
5900N01100W 5900N01000W 5900N0900W 5800N0700W 5800N0600W 5700N0400W 5600N0200W 5400N0100E  
5300N0300E 5200N0500E 5100N0700E EDDF

5146.76 nm / 9531.80 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: no

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KLAX	-	33.94310	0 ft	-	Los Angeles Intl
APT	-	-118.40900	0 m		
3500N11800W	-	35.00000	23,700 ft	66	-
LATLON	-	-118.00000	7,224 m		
3600N11700W	-	36.00000	35,000 ft	77	-
LATLON	-	-117.00000	10,668 m		
3800N11500W	-	38.00000	35,000 ft	153	-
LATLON	-	-115.00000	10,668 m		
3900N11400W	-	39.00000	35,000 ft	76	-
LATLON	-	-114.00000	10,668 m		
4100N11200W	-	41.00000	35,000 ft	151	-
LATLON	-	-112.00000	10,668 m		
4200N11100W	-	42.00000	35,000 ft	75	-
LATLON	-	-111.00000	10,668 m		
4400N10900W	-	44.00000	35,000 ft	148	-
LATLON	-	-109.00000	10,668 m		
4500N10800W	-	45.00000	35,000 ft	73	-
LATLON	-	-108.00000	10,668 m		
4700N10600W	-	47.00000	35,000 ft	146	-
LATLON	-	-106.00000	10,668 m		
4800N10500W	-	48.00000	35,000 ft	72	-
LATLON	-	-105.00000	10,668 m		
4900N10400W	-	49.00000	35,000 ft	72	-
LATLON	-	-104.00000	10,668 m		
5100N10100W	-	51.00000	35,000 ft	166	-
LATLON	-	-101.00000	10,668 m		
5200N09900W	-	52.00000	35,000 ft	95	-
LATLON	-	-99.00000	10,668 m		
5300N09700W	-	53.00000	35,000 ft	94	-
LATLON	-	-97.00000	10,668 m		
5400N09500W	-	54.00000	35,000 ft	93	-
LATLON	-	-95.00000	10,668 m		
5500N09300W	-	55.00000	35,000 ft	92	-
LATLON	-	-93.00000	10,668 m		
5600N09100W	-	56.00000	35,000 ft	90	-
LATLON	-	-91.00000	10,668 m		
5700N08900W	-	57.00000	35,000 ft	89	-
LATLON	-	-89.00000	10,668 m		
5700N08800W	-	57.00000	35,000 ft	32	-
LATLON	-	-88.00000	10,668 m		
5800N08600W	-	58.00000	35,000 ft	88	-
LATLON	-	-86.00000	10,668 m		
5800N08500W	-	58.00000	35,000 ft	31	-
LATLON	-	-85.00000	10,668 m		
5900N08300W	-	59.00000	35,000 ft	86	-
LATLON	-	-83.00000	10,668 m		
5900N08200W	-	59.00000	35,000 ft	30	-
LATLON	-	-82.00000	10,668 m		
6000N08000W	-	60.00000	35,000 ft	85	-
LATLON	-	-80.00000	10,668 m		
6000N07900W	-	60.00000	35,000 ft	30	-
LATLON	-	-79.00000	10,668 m		
6100N07600W	-	61.00000	35,000 ft	107	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-76.00000	10,668 m		
6200N07300W	-	62.00000	35,000 ft	104	-
LATLON	-	-73.00000	10,668 m		
6200N07200W	-	62.00000	35,000 ft	28	-
LATLON	-	-72.00000	10,668 m		
6200N07100W	-	62.00000	35,000 ft	28	-
LATLON	-	-71.00000	10,668 m		
6200N07000W	-	62.00000	35,000 ft	28	-
LATLON	-	-70.00000	10,668 m		
6200N06900W	-	62.00000	35,000 ft	28	-
LATLON	-	-69.00000	10,668 m		
6200N06800W	-	62.00000	35,000 ft	28	-
LATLON	-	-68.00000	10,668 m		
6300N06500W	-	63.00000	35,000 ft	102	-
LATLON	-	-65.00000	10,668 m		
6300N06400W	-	63.00000	35,000 ft	27	-
LATLON	-	-64.00000	10,668 m		
6300N06300W	-	63.00000	35,000 ft	27	-
LATLON	-	-63.00000	10,668 m		
6300N06200W	-	63.00000	35,000 ft	27	-
LATLON	-	-62.00000	10,668 m		
6300N06100W	-	63.00000	35,000 ft	27	-
LATLON	-	-61.00000	10,668 m		
6300N06000W	-	63.00000	35,000 ft	27	-
LATLON	-	-60.00000	10,668 m		
6300N05900W	-	63.00000	35,000 ft	27	-
LATLON	-	-59.00000	10,668 m		
6300N05800W	-	63.00000	35,000 ft	27	-
LATLON	-	-58.00000	10,668 m		
6300N05700W	-	63.00000	35,000 ft	27	-
LATLON	-	-57.00000	10,668 m		
6300N05600W	-	63.00000	35,000 ft	27	-
LATLON	-	-56.00000	10,668 m		
6300N05500W	-	63.00000	35,000 ft	27	-
LATLON	-	-55.00000	10,668 m		
6300N05400W	-	63.00000	35,000 ft	27	-
LATLON	-	-54.00000	10,668 m		
6300N05300W	-	63.00000	35,000 ft	27	-
LATLON	-	-53.00000	10,668 m		
6300N05200W	-	63.00000	35,000 ft	27	-
LATLON	-	-52.00000	10,668 m		
6300N05100W	-	63.00000	35,000 ft	27	-
LATLON	-	-51.00000	10,668 m		
6300N05000W	-	63.00000	35,000 ft	27	-
LATLON	-	-50.00000	10,668 m		
6300N04900W	-	63.00000	35,000 ft	27	-
LATLON	-	-49.00000	10,668 m		
6300N04800W	-	63.00000	35,000 ft	27	-
LATLON	-	-48.00000	10,668 m		
6300N04700W	-	63.00000	35,000 ft	27	-
LATLON	-	-47.00000	10,668 m		
6300N04600W	-	63.00000	35,000 ft	27	-
LATLON	-	-46.00000	10,668 m		
6300N04500W	-	63.00000	35,000 ft	27	-
LATLON	-	-45.00000	10,668 m		
6300N04400W	-	63.00000	35,000 ft	27	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-44.00000	10,668 m		
6300N04300W	-	63.00000	35,000 ft	27	-
LATLON	-	-43.00000	10,668 m		
6300N04200W	-	63.00000	35,000 ft	27	-
LATLON	-	-42.00000	10,668 m		
6300N04100W	-	63.00000	35,000 ft	27	-
LATLON	-	-41.00000	10,668 m		
6300N04000W	-	63.00000	35,000 ft	27	-
LATLON	-	-40.00000	10,668 m		
6300N03900W	-	63.00000	35,000 ft	27	-
LATLON	-	-39.00000	10,668 m		
6300N03800W	-	63.00000	35,000 ft	27	-
LATLON	-	-38.00000	10,668 m		
6300N03700W	-	63.00000	35,000 ft	27	-
LATLON	-	-37.00000	10,668 m		
6300N03600W	-	63.00000	35,000 ft	27	-
LATLON	-	-36.00000	10,668 m		
6300N03500W	-	63.00000	35,000 ft	27	-
LATLON	-	-35.00000	10,668 m		
6300N03400W	-	63.00000	35,000 ft	27	-
LATLON	-	-34.00000	10,668 m		
6300N03300W	-	63.00000	35,000 ft	27	-
LATLON	-	-33.00000	10,668 m		
6300N03200W	-	63.00000	35,000 ft	27	-
LATLON	-	-32.00000	10,668 m		
6300N03100W	-	63.00000	35,000 ft	27	-
LATLON	-	-31.00000	10,668 m		
6300N03000W	-	63.00000	35,000 ft	27	-
LATLON	-	-30.00000	10,668 m		
6300N02900W	-	63.00000	35,000 ft	27	-
LATLON	-	-29.00000	10,668 m		
6200N02600W	-	62.00000	35,000 ft	102	-
LATLON	-	-26.00000	10,668 m		
6200N02500W	-	62.00000	35,000 ft	28	-
LATLON	-	-25.00000	10,668 m		
6200N02400W	-	62.00000	35,000 ft	28	-
LATLON	-	-24.00000	10,668 m		
6200N02300W	-	62.00000	35,000 ft	28	-
LATLON	-	-23.00000	10,668 m		
6200N02200W	-	62.00000	35,000 ft	28	-
LATLON	-	-22.00000	10,668 m		
6100N01900W	-	61.00000	35,000 ft	104	-
LATLON	-	-19.00000	10,668 m		
6100N01800W	-	61.00000	35,000 ft	29	-
LATLON	-	-18.00000	10,668 m		
6000N01500W	-	60.00000	35,000 ft	107	-
LATLON	-	-15.00000	10,668 m		
5900N01300W	-	59.00000	35,000 ft	85	-
LATLON	-	-13.00000	10,668 m		
5900N01200W	-	59.00000	35,000 ft	30	-
LATLON	-	-12.00000	10,668 m		
5900N01100W	-	59.00000	35,000 ft	30	-
LATLON	-	-11.00000	10,668 m		
5900N01000W	-	59.00000	35,000 ft	30	-
LATLON	-	-10.00000	10,668 m		
5900N0900W	-	59.00000	35,000 ft	30	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-9.00000	10,668 m		
5800N0700W	-	58.00000	35,000 ft	86	-
LATLON	-	-7.00000	10,668 m		
5800N0600W	-	58.00000	35,000 ft	31	-
LATLON	-	-6.00000	10,668 m		
5700N0400W	-	57.00000	35,000 ft	88	-
LATLON	-	-4.00000	10,668 m		
5600N0200W	-	56.00000	35,000 ft	89	-
LATLON	-	-2.00000	10,668 m		
5400N0100E	-	54.00000	35,000 ft	158	-
LATLON	-	1.00000	10,668 m		
5300N0300E	-	53.00000	35,000 ft	93	-
LATLON	-	3.00000	10,668 m		
5200N0500E	-	52.00000	35,000 ft	94	-
LATLON	-	5.00000	10,668 m		
5100N0700E	-	51.00000	17,700 ft	95	-
LATLON	-	7.00000	5,395 m		
EDDF	-	50.03260	0 ft	82	Frankfurt
APT	-	8.54067	0 m		

## KLAX

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 4

Elevation: 125 ft / 38 m  
Location: 33.943100 -118.409000  
Magnetic Var: 11.439 E

## METAR

KLAX 200653Z 27009KT 10SM FEW009 SCT012 14/12 A2999 RMK A02 SLP153 T01390117 \$

## TAF

KLAX 200541Z 2006/2112 25010KT P6SM SCT015 FM200700 26006KT P6SM OVC020 FM201200 14006KT 6SM -DZ BR BKN015 OVC025

## 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



## EDDF

Region: GERMANY - CIVIL  
Timezone: EUROPE/BERLIN  
Runways: 4

Elevation: 362 ft / 110 m  
Location: 50.032600 8.540670  
Magnetic Var: 3.177 E

## METAR

EDDF 200720Z AUTO 11005KT 070V160 9999 BKN005 BKN008 14/12 Q1011 TEMPO BKN004

## TAF

TAF EDDF 200500Z 2006/2112 19004KT 1300 BCFG SCT001 TEMPO 2006/2007 0200 FG BKN001 BECMG 2006/2009 9999 TEMPO 2007/2008 0200 FG BKN001

## Frequencies

REC - 118.02 MHz - ATIS ARRIVAL  
GND - 121.80 MHz - GROUND  
GND - 121.70 MHz - APRON RAMP/TAXI  
GND - 121.85 MHz - APRON RAMP/TAXI  
TWR - 118.77 MHz - TOWER  
TWR - 124.85 MHz - TOWER  
TWR - 136.50 MHz - TOWER  
APP - 127.27 MHz - FRANKFURT DIRECT  
APP - 125.35 MHz - LANGEN RADAR  
APP - 120.80 MHz - LANGEN RADAR  
APP - 136.12 MHz - LANGEN RADAR

REC - 118.72 MHz - ATIS DEPARTURE  
GND - 121.65 MHz - APRON RAMP/TAXI  
GND - 121.95 MHz - APRON RAMP/TAXI  
GND - 121.75 MHz - APRON RAMP/TAXI  
TWR - 119.90 MHz - TOWER  
TWR - 127.32 MHz - TOWER  
CLD - 121.90 MHz - CLEARANCE DELIVERY  
APP - 118.50 MHz - FRANKFURT DIRECT  
APP - 126.55 MHz - LANGEN RADAR  
APP - 120.15 MHz - LANGEN RADAR  
APP - 119.02 MHz - LANGEN RADAR

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07L	148 ft	9,194 ft	69.56	CONCRETE	0 ft	0 ft
	45 m	2,802 m	66.39		0 m	0 m
25R	148 ft	9,194 ft	249.59	CONCRETE	0 ft	0 ft
	45 m	2,802 m	246.41		0 m	0 m
07C	197 ft	13,134 ft	69.57	ASPHALT	0 ft	203 ft
	60 m	4,003 m	66.39		0 m	62 m
25C	197 ft	13,134 ft	249.61	ASPHALT	0 ft	935 ft
	60 m	4,003 m	246.43		0 m	285 m
07R	148 ft	13,134 ft	69.59	ASPHALT	0 ft	213 ft
	45 m	4,003 m	66.41		0 m	65 m
25L	148 ft	13,134 ft	249.63	ASPHALT	0 ft	1,775 ft
	45 m	4,003 m	246.45		0 m	541 m
18	148 ft	13,083 ft	179.64	ASPHALT	0 ft	0 ft
	45 m	3,988 m	176.46		0 m	0 m
36	148 ft	13,083 ft	359.64	ASPHALT	0 ft	121 ft
	45 m	3,988 m	356.46		0 m	37 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07L	DME	IFNE	111.75 MHz	18 nm	-	-	357 ft
				33 km	-		357 m
25C	DME	IFCW	111.55 MHz	18 nm	-	-	364 ft
				33 km	-		364 m
25R	DME	IFNW	111.35 MHz	18 nm	-	-	357 ft
				33 km	-		357 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07C	LOC-ILS	IFCE	110.55 MHz	18 nm	69.59	-	362 ft
				33 km	66.41		362 m
07L	LOC-ILS	IFNE	111.75 MHz	18 nm	69.58	-	362 ft
				33 km	66.40		362 m
07R	LOC-ILS	IFSE	110.95 MHz	18 nm	69.61	-	362 ft
				33 km	66.43		362 m
25C	LOC-ILS	IFCW	111.55 MHz	18 nm	249.59	-	362 ft
				33 km	246.41		362 m
25L	LOC-ILS	IFSW	111.15 MHz	18 nm	249.61	-	362 ft
				33 km	246.43		362 m
25R	LOC-ILS	IFNW	111.35 MHz	18 nm	249.58	-	362 ft
				33 km	246.40		362 m
07C	GS	IFCE	110.55 MHz	10 nm	69.59	3.00	362 ft
				19 km	66.41		362 m
07L	GS	IFNE	111.75 MHz	10 nm	69.58	3.00	362 ft
				19 km	66.40		362 m
07R	GS	IFSE	110.95 MHz	10 nm	69.61	3.00	362 ft
				19 km	66.43		362 m
25C	GS	IFCW	111.55 MHz	10 nm	249.59	3.00	362 ft
				19 km	246.41		362 m
25L	GS	IFSW	111.15 MHz	10 nm	249.61	3.00	362 ft
				19 km	246.43		362 m
25R	GS	IFNW	111.35 MHz	10 nm	249.58	3.00	362 ft
				19 km	246.40		362 m