

RJTT

Tokyo Intl

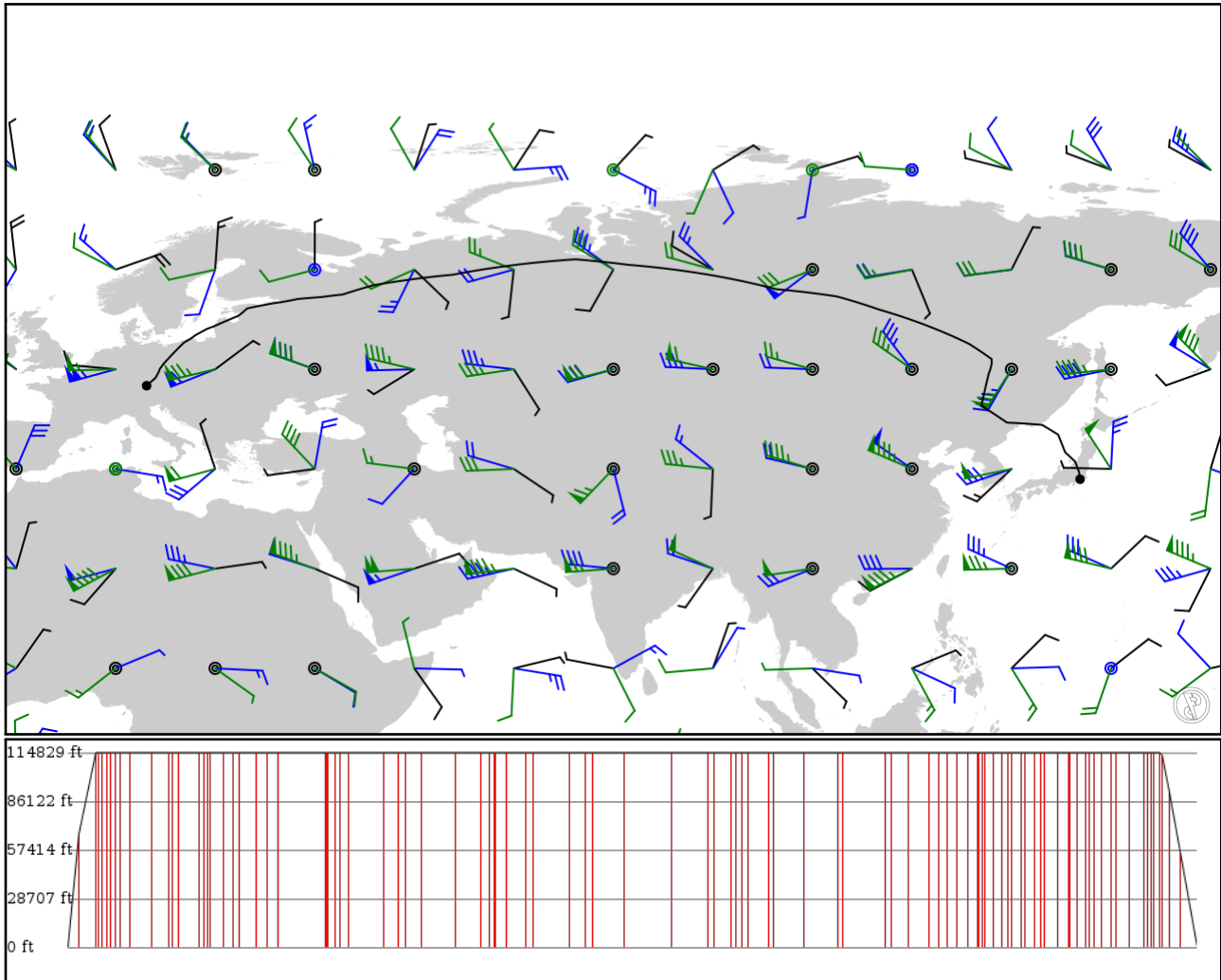
EDDM

Muenchen International Airport Franz-Josef Strauss

2024/06/05 0716Z

RJTT KALON V15 GTC R211 KADBO B451 WQG WQG B451 HRB HRB A588 SIMLI G494 BANIR NINON BABID A929
SOSNA R813 RILUD B108 TARSa G719 LAGNI R30 UHT A491 BASAP R902 AGBON G445 SPB B141 RANVA P863
GONOS Y119 SOKVA N619 LEP LEP M990 GARSO L134 RONUN B810 KUNER P31 GOVEN UP31 RIKLU P31 MAREM
T106 VESUB EDDM

5343.69 nm / 9896.51 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		
KALON	-	36.48990	20,300 ft	56	-
FIX	-	139.66300	6,187 m		
GTC15	V15	37.71860	35,000 ft	76	-
FIX	AWY-HI	139.20600	10,668 m		
GTC	V15	37.95830	35,000 ft	15	NIIGATA
VOR	AWY-HI	139.11500	10,668 m		
BASIN	R211	38.12100	35,000 ft	12	-
FIX	AWY-HI	138.94200	10,668 m		
GTC40	R211	38.47120	35,000 ft	27	-
FIX	AWY-HI	138.57400	10,668 m		
CAYAH	R211	38.67500	35,000 ft	15	-
FIX	AWY-HI	138.35600	10,668 m		
TAVIS	R211	38.95420	35,000 ft	21	-
FIX	AWY-HI	138.05400	10,668 m		
KADBO	R211	39.23610	35,000 ft	22	-
FIX	AWY-HI	137.74700	10,668 m		
HOKKE	B451	40.00270	35,000 ft	48	-
FIX	AWY-HI	137.44200	10,668 m		
IGROD	B451	41.65000	35,000 ft	103	-
FIX	AWY-HI	136.78300	10,668 m		
LURED	B451	42.48330	35,000 ft	78	-
FIX	AWY-HI	135.43900	10,668 m		
LAKTA	B451	42.66330	35,000 ft	17	-
FIX	AWY-HI	135.13900	10,668 m		
ARLAS	B451	42.98530	35,000 ft	30	-
FIX	AWY-HI	134.59900	10,668 m		
IDBUR	B451	43.15560	35,000 ft	94	-
FIX	AWY-HI	132.45900	10,668 m		
BAPRU	B451	43.19220	35,000 ft	24	-
FIX	AWY-HI	131.89800	10,668 m		
SANAR	B451	43.21530	35,000 ft	19	-
FIX	AWY-HI	131.45100	10,668 m		
BISUN	B451	43.23330	35,000 ft	11	-
FIX	AWY-HI	131.19700	10,668 m		
WQG	B451	43.29330	35,000 ft	61	WANGQING
VOR	AWY-HI	129.78500	10,668 m		
WQG	-	43.29500	35,000 ft	0	WANGQING VOR-DME
DME	-	129.78300	10,668 m		
ATODO	B451	43.80830	35,000 ft	45	-
FIX	AWY-HI	129.02000	10,668 m		
UGABI	B451	44.12670	35,000 ft	27	-
FIX	AWY-HI	128.55000	10,668 m		
KETOV	B451	45.03000	35,000 ft	79	-
FIX	AWY-HI	127.17700	10,668 m		
HRB	B451	45.62330	35,000 ft	52	HARBIN VOR-DME
DME	AWY-HI	126.26000	10,668 m		
HRB	-	45.62670	35,000 ft	0	HARBIN
VOR	-	126.26000	10,668 m		
BUBDI	A588	46.49830	35,000 ft	52	-
FIX	AWY-HI	126.45300	10,668 m		
HEK	A588	50.16830	35,000 ft	223	HEIHE

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	127.31000	10,668 m		
SIMLI	A588	50.29000	35,000 ft	7	-
FIX	AWY-HI	127.36800	10,668 m		
BLG	G494	50.39330	35,000 ft	6	BLAGOVESHCHENSK
VOR	AWY-HI	127.42600	10,668 m		
RUNET	G494	50.90330	35,000 ft	31	-
FIX	AWY-HI	127.55700	10,668 m		
BANIR	G494	51.32530	35,000 ft	25	-
FIX	AWY-HI	127.66800	10,668 m		
NINON	-	52.00030	35,000 ft	40	-
FIX	-	127.66800	10,668 m		
BABID	-	54.08500	35,000 ft	167	-
FIX	-	124.57300	10,668 m		
AGUKA	A929	54.76060	35,000 ft	64	-
FIX	AWY-HI	123.14600	10,668 m		
RULAS	A929	55.16220	35,000 ft	39	-
FIX	AWY-HI	122.25400	10,668 m		
NEMAD	A929	55.89670	35,000 ft	73	-
FIX	AWY-HI	120.53100	10,668 m		
BIMTA	A929	57.38890	35,000 ft	157	-
FIX	AWY-HI	116.61100	10,668 m		
AMIBI	A929	58.46060	35,000 ft	122	-
FIX	AWY-HI	113.33400	10,668 m		
SONEK	A929	58.81720	35,000 ft	43	-
FIX	AWY-HI	112.13400	10,668 m		
UGLIR	A929	58.98530	35,000 ft	18	-
FIX	AWY-HI	111.64700	10,668 m		
RAMIS	A929	59.06030	35,000 ft	8	-
FIX	AWY-HI	111.42600	10,668 m		
DISED	A929	59.52390	35,000 ft	51	-
FIX	AWY-HI	110.01700	10,668 m		
ATNOR	A929	60.32720	35,000 ft	93	-
FIX	AWY-HI	107.35400	10,668 m		
SOSNA	A929	60.58390	35,000 ft	31	-
FIX	AWY-HI	106.43400	10,668 m		
GOPTA	R813	61.32060	35,000 ft	171	-
FIX	AWY-HI	100.74700	10,668 m		
RILUD	R813	61.57890	35,000 ft	77	-
FIX	AWY-HI	98.09810	10,668 m		
UROKA	B108	61.84060	35,000 ft	33	-
FIX	AWY-HI	97.07640	10,668 m		
PISEP	B108	62.91920	35,000 ft	147	-
FIX	AWY-HI	92.31440	10,668 m		
KUTAM	B108	64.23060	35,000 ft	227	-
FIX	AWY-HI	84.33580	10,668 m		
TARSA	B108	64.91720	35,000 ft	173	-
FIX	AWY-HI	77.78190	10,668 m		
DIKEN	G719	65.05390	35,000 ft	28	-
FIX	AWY-HI	76.69530	10,668 m		
BANIL	G719	65.38030	35,000 ft	76	-
FIX	AWY-HI	73.74720	10,668 m		
GIMIR	G719	65.48220	35,000 ft	26	-
FIX	AWY-HI	72.69860	10,668 m		
OGLES	G719	65.57810	35,000 ft	26	-
FIX	AWY-HI	71.64390	10,668 m		
LAGNI	G719	65.66720	35,000 ft	26	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	70.58170	10,668 m		
BURIB	R30	65.35830	35,000 ft	99	-
FIX	AWY-HI	66.64920	10,668 m		
KUGET	R30	65.27830	35,000 ft	21	-
FIX	AWY-HI	65.79470	10,668 m		
OLAPI	R30	64.63030	35,000 ft	144	-
FIX	AWY-HI	60.32110	10,668 m		
NODES	R30	63.69860	35,000 ft	162	-
FIX	AWY-HI	54.50780	10,668 m		
UHT	R30	63.56040	35,000 ft	20	UKHTA
VOR	AWY-HI	53.79350	10,668 m		
SOTER	A491	62.69860	35,000 ft	203	-
FIX	AWY-HI	46.52610	10,668 m		
AMDEK	A491	62.56250	35,000 ft	26	-
FIX	AWY-HI	45.61560	10,668 m		
URIGA	A491	62.11670	35,000 ft	80	-
FIX	AWY-HI	42.89780	10,668 m		
NANED	A491	61.25000	35,000 ft	99	-
FIX	AWY-HI	39.92780	10,668 m		
BASAP	A491	60.84580	35,000 ft	44	-
FIX	AWY-HI	38.66250	10,668 m		
DIBLU	R902	60.70560	35,000 ft	38	-
FIX	AWY-HI	37.36580	10,668 m		
MOTUD	R902	60.49250	35,000 ft	50	-
FIX	AWY-HI	35.70580	10,668 m		
GOGLA	R902	60.37330	35,000 ft	48	-
FIX	AWY-HI	34.10250	10,668 m		
REBTU	R902	60.24190	35,000 ft	46	-
FIX	AWY-HI	32.56690	10,668 m		
ODNAM	R902	60.21500	35,000 ft	4	-
FIX	AWY-HI	32.43250	10,668 m		
AMRAG	R902	60.10500	35,000 ft	17	-
FIX	AWY-HI	31.89390	10,668 m		
AGBON	R902	60.03310	35,000 ft	11	-
FIX	AWY-HI	31.54750	10,668 m		
SPB	G445	59.80690	35,000 ft	40	ST PETERSBURG
VOR	AWY-HI	30.27460	10,668 m		
TURAL	B141	59.62310	35,000 ft	39	-
FIX	AWY-HI	29.02440	10,668 m		
RANVA	B141	59.45670	35,000 ft	29	-
FIX	AWY-LO	28.09940	10,668 m		
RESMO	P863	59.33830	35,000 ft	19	-
FIX	AWY-HI	27.49030	10,668 m		
TUXUV	P863	59.07310	35,000 ft	43	-
FIX	AWY-HI	26.18780	10,668 m		
GONOS	P863	58.94250	35,000 ft	20	-
FIX	AWY-HI	25.57690	10,668 m		
PIVUN	Y119	58.34080	35,000 ft	41	-
FIX	AWY-HI	24.90440	10,668 m		
SOKVA	Y119	57.90000	35,000 ft	32	-
FIX	AWY-HI	24.29940	10,668 m		
NEVTO	N619	57.71970	35,000 ft	17	-
FIX	AWY-HI	23.85530	10,668 m		
TENSI	N619	57.06310	35,000 ft	63	-
FIX	AWY-HI	22.30560	10,668 m		
LEP	N619	56.51860	35,000 ft	51	LIEPAJA VOR-DME

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
DME	AWY-HI	21.09200	10,668 m		
LEP	-	56.51280	35,000 ft	0	LIEPAJA
VOR	-	21.08470	10,668 m		
GARSO	M990	56.14610	35,000 ft	39	-
FIX	AWY-HI	20.08220	10,668 m		
RONUN	L134	55.74470	35,000 ft	34	-
FIX	AWY-HI	19.32920	10,668 m		
OKPAN	B810	55.52190	35,000 ft	19	-
FIX	AWY-HI	18.92110	10,668 m		
KUNER	B810	55.25860	35,000 ft	22	-
FIX	AWY-HI	18.44810	10,668 m		
VAPOS	P31	54.79530	35,000 ft	35	-
FIX	AWY-HI	17.82670	10,668 m		
MALOX	P31	54.24420	35,000 ft	46	-
FIX	AWY-HI	16.88140	10,668 m		
LUXAL	P31	53.91560	35,000 ft	23	-
FIX	AWY-HI	16.54310	10,668 m		
XERBI	P31	53.03220	35,000 ft	61	-
FIX	AWY-HI	15.67110	10,668 m		
GOVEN	P31	52.05830	35,000 ft	67	-
FIX	AWY-HI	14.75560	10,668 m		
BUKIG	UP31	51.74420	35,000 ft	21	-
FIX	AWY-HI	14.46390	10,668 m		
KOBUS	UP31	51.51330	35,000 ft	15	-
FIX	AWY-HI	14.25250	10,668 m		
GARKI	UP31	51.38440	35,000 ft	9	-
FIX	AWY-HI	14.11610	10,668 m		
RIKLU	UP31	50.93110	35,000 ft	29	-
FIX	AWY-HI	13.81110	10,668 m		
MAREM	P31	50.71550	34,600 ft	14	-
FIX	AWY-LO	13.62880	10,546 m		
DIKVA	T106	50.21010	27,900 ft	31	-
FIX	AWY-HI	13.42790	8,504 m		
VESUB	T106	49.41930	17,100 ft	50	-
FIX	AWY-HI	12.99740	5,212 m		
EDDM	-	48.35380	0 ft	79	Muenchen International Airport Franz-Josef Strauss
APT	-	11.78610	0 m		

RJTT

Region: JAPAN
Timezone: ASIA/TOKYO
Runways: 4

Elevation: 20 ft / 6 m
Location: 35.547900 139.789000
Magnetic Var: 7.810 W

METAR

RJTT 050700Z 13007KT 9999 FEW030 26/14 Q1015 NOSIG

TAF

TAF RJTT 050508Z 0506/0612 18012KT 9999 FEW030 BECMG 0518/0521 33004KT BECMG 0600/0603 12006KT BECMG 0603/0606 19

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

EDDM

Region: GERMANY - CIVIL
Timezone: EUROPE/BERLIN
Runways: 2

Elevation: 1,484 ft / 452 m
Location: 48.353800 11.786100
Magnetic Var: 3.949 E

METAR

EDDM 050650Z AUTO 25013KT CAVOK 18/14 Q1015

TAF

TAF EDDM 050500Z 0506/0612 VRB02KT 9999 SCT045 BECMG 0506/0508 26008KT BECMG 0516/0518 VRB03KT PROB30 TEMPO 0519/

Frequencies

REC - 123.12 MHz - MUENCHEN ATIS	COM - 122.80 MHz - MUENCHEN UNICOM
CLD - 121.72 MHz - MUENCHEN DELIVERY	GND - 121.97 MHz - MUENCHEN GROUND NORTH
GND - 121.82 MHz - MUENCHEN GROUND SOUTH	GND - 121.77 MHz - MUENCHEN APRON 1
GND - 121.70 MHz - MUENCHEN APRON 2	GND - 121.92 MHz - MUENCHEN APRON 3
TWR - 120.50 MHz - MUENCHEN TOWER SOUTH	TWR - 118.70 MHz - MUENCHEN TOWER NORTH
APP - 123.90 MHz - MUENCHEN RADAR NORTH	APP - 127.95 MHz - MUENCHEN RADAR SOUTH
APP - 128.25 MHz - MUENCHEN ARRIVAL NORTH	APP - 120.77 MHz - MUENCHEN ARRIVAL SOUTH
APP - 118.82 MHz - MUENCHEN DIRECTOR NORTH	APP - 132.30 MHz - MUENCHEN DIRECTOR SOUTH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
08L	197 ft	13,135 ft	83.39	CONCRETE	0 ft	0 ft
	60 m	4,004 m	79.44		0 m	0 m
26R	197 ft	13,135 ft	263.43	CONCRETE	0 ft	0 ft
	60 m	4,004 m	259.48		0 m	0 m
08R	197 ft	13,135 ft	83.37	CONCRETE	0 ft	0 ft
	60 m	4,004 m	79.42		0 m	0 m
26L	197 ft	13,135 ft	263.41	CONCRETE	0 ft	0 ft
	60 m	4,004 m	259.46		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	LOC-ILS	IMNE	109.50 MHz	18 nm	83.41	-	1,484 ft
				33 km	79.46		1,484 m
08R	LOC-ILS	IMSE	109.30 MHz	18 nm	83.39	-	1,484 ft
				33 km	79.44		1,484 m
26L	LOC-ILS	IMSW	108.30 MHz	18 nm	263.39	-	1,484 ft
				33 km	259.44		1,484 m
26R	LOC-ILS	IMNW	108.70 MHz	18 nm	263.41	-	1,484 ft
				33 km	259.46		1,484 m
08L	GS	IMNE	109.50 MHz	10 nm	83.41	3.00	1,484 ft
				19 km	79.46		1,484 m
08R	GS	IMSE	109.30 MHz	10 nm	83.39	3.00	1,484 ft
				19 km	79.44		1,484 m
26L	GS	IMSW	108.30 MHz	10 nm	263.39	3.00	1,484 ft
				19 km	259.44		1,484 m
26R	GS	IMNW	108.70 MHz	10 nm	263.41	3.00	1,484 ft
				19 km	259.46		1,484 m