

# LTBA

Istanbul Ataturk

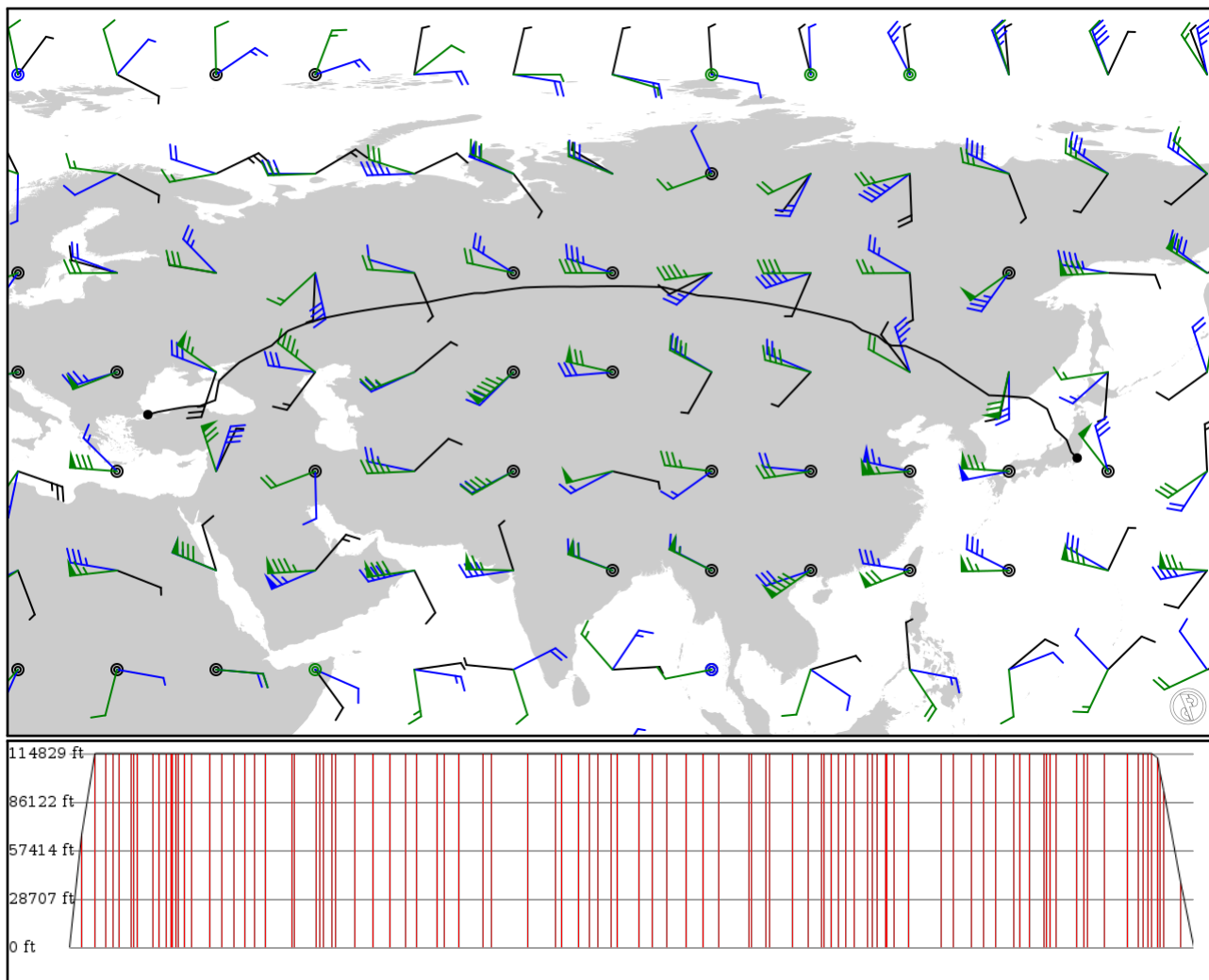
# RJAA

Narita Intl

2024/05/01 0613Z

LTBA PAZAR **UW702** INB **UW90** SIN **UW96** ODIRA **G476** ANAKA **W316** RND **W70** MOR **G128** ST **G900** KR **W102** BW **G901**  
GITEK **B249** GUPRI **R493** ABALI **R480** PEMAG **B956** ML **A300** KENGA **G827** TOKMO **A300** ROTLI **G723** RO **A817**  
NERKA **B478** KTN **A91** AGINO **A810** TELOK **A345** HLD **B451** HRB HRB **B451** WQG WQG **B451** LAKTA LURED **B451**  
KADBO **R211** GTC **V15** KALON RJAA

5060.53 nm / 9372.10 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
LTBA	-	40.97610	0 ft	-	Istanbul Ataturk
APT	-	28.81420	0 m		
PAZAR	-	41.29890	20,300 ft	57	-
FIX	-	29.99940	6,187 m		
GUMRU	UW702	41.54890	35,000 ft	62	-
FIX	AWY-HI	31.34940	10,668 m		
HAKAN	UW702	41.72330	35,000 ft	43	-
FIX	AWY-HI	32.29830	10,668 m		
MIMTO	UW702	41.84690	35,000 ft	34	-
FIX	AWY-HI	33.04670	10,668 m		
INB	UW702	41.95140	35,000 ft	30	INEBOLU
VOR	AWY-HI	33.70630	10,668 m		
SUNUM	UW90	42.01190	35,000 ft	51	-
FIX	AWY-HI	34.85750	10,668 m		
SIN	UW90	42.02230	35,000 ft	9	SINOP
VOR	AWY-HI	35.07680	10,668 m		
EVKAM	UW96	42.15140	35,000 ft	16	-
FIX	AWY-HI	35.41310	10,668 m		
ODIRA	UW96	42.70890	35,000 ft	74	-
FIX	AWY-HI	36.91470	10,668 m		
BEKIS	G476	43.13810	35,000 ft	25	-
FIX	AWY-HI	36.98830	10,668 m		
REDMA	G476	43.62310	35,000 ft	29	-
FIX	AWY-HI	37.08000	10,668 m		
SUREN	G476	43.97810	35,000 ft	21	-
FIX	AWY-HI	37.14830	10,668 m		
NUGRI	G476	44.12140	35,000 ft	8	-
FIX	AWY-HI	37.16500	10,668 m		
SOTUB	G476	44.40000	35,000 ft	16	-
FIX	AWY-HI	37.22250	10,668 m		
DIBAT	G476	44.57310	35,000 ft	10	-
FIX	AWY-HI	37.25830	10,668 m		
ANAKA	G476	45.00220	35,000 ft	26	-
FIX	AWY-HI	37.34720	10,668 m		
RUDOL	W316	45.43890	35,000 ft	32	-
FIX	AWY-HI	37.80610	10,668 m		
TARLI	W316	46.54810	35,000 ft	83	-
FIX	AWY-HI	39.01000	10,668 m		
RND	W316	47.25210	35,000 ft	53	ROSTOV-NA-DONU
VOR	AWY-HI	39.81330	10,668 m		
DOKIM	W70	47.83310	35,000 ft	54	-
FIX	AWY-HI	40.84330	10,668 m		
MOR	W70	48.34170	35,000 ft	49	MOROZOVSK
VOR	AWY-HI	41.80030	10,668 m		
SUREM	G128	48.76830	35,000 ft	42	-
FIX	AWY-HI	42.64500	10,668 m		
ST	G128	49.25890	35,000 ft	50	SIROTINSKAYA
NDB	AWY-HI	43.67940	10,668 m		
IDILI	G900	50.86670	35,000 ft	118	-
FIX	AWY-HI	45.45170	10,668 m		
KR	G900	51.03140	35,000 ft	12	KRASNOARMEYSK
NDB	AWY-HI	45.64440	10,668 m		
BW	W102	51.89440	35,000 ft	95	BALAKOVO

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
NDB	AWY-HI	47.79170	10,668 m		
NIPEG	G901	52.01190	35,000 ft	16	-
FIX	AWY-HI	48.18190	10,668 m		
ABARO	G901	52.12330	35,000 ft	15	-
FIX	AWY-HI	48.56170	10,668 m		
TADUR	G901	52.41500	35,000 ft	38	-
FIX	AWY-HI	49.48580	10,668 m		
GITEK	G901	52.56670	35,000 ft	20	-
FIX	AWY-HI	49.98170	10,668 m		
DINEG	B249	53.00500	35,000 ft	83	-
FIX	AWY-HI	52.15830	10,668 m		
TISEB	B249	53.39500	35,000 ft	81	-
FIX	AWY-HI	54.32500	10,668 m		
BEROM	B249	53.74190	35,000 ft	80	-
FIX	AWY-HI	56.50030	10,668 m		
LANUD	B249	54.03440	35,000 ft	71	-
FIX	AWY-HI	58.45250	10,668 m		
BAPUL	B249	54.19000	35,000 ft	46	-
FIX	AWY-HI	59.75970	10,668 m		
GUPRI	B249	54.45030	35,000 ft	90	-
FIX	AWY-HI	62.31530	10,668 m		
OLIKI	R493	54.64500	35,000 ft	33	-
FIX	AWY-HI	63.21280	10,668 m		
DONUS	R493	54.99690	35,000 ft	63	-
FIX	AWY-HI	64.93360	10,668 m		
ABALI	R493	55.54530	35,000 ft	110	-
FIX	AWY-HI	68.02060	10,668 m		
PEMAG	R480	55.56360	35,000 ft	39	-
FIX	AWY-HI	69.19390	10,668 m		
ML	B956	56.22580	35,000 ft	164	CHAPAYEVO
NDB	AWY-HI	73.92940	10,668 m		
GEROS	A300	56.33060	35,000 ft	120	-
FIX	AWY-HI	77.53420	10,668 m		
KZ	A300	56.33830	35,000 ft	27	SEVERNOYE
NDB	AWY-HI	78.35720	10,668 m		
KENGA	A300	56.32060	35,000 ft	78	-
FIX	AWY-HI	80.70080	10,668 m		
TUPIM	G827	56.35920	35,000 ft	48	-
FIX	AWY-HI	82.16830	10,668 m		
GONPA	G827	56.37610	35,000 ft	36	-
FIX	AWY-HI	83.27170	10,668 m		
TOKMO	G827	56.38390	35,000 ft	64	-
FIX	AWY-HI	85.21110	10,668 m		
BINBA	A300	56.38000	35,000 ft	26	-
FIX	AWY-HI	86.00000	10,668 m		
ADONI	A300	56.32890	35,000 ft	96	-
FIX	AWY-HI	88.89780	10,668 m		
ROTLI	A300	56.27220	35,000 ft	57	-
FIX	AWY-HI	90.61110	10,668 m		
OGANO	G723	55.84390	35,000 ft	68	-
FIX	AWY-HI	92.50470	10,668 m		
RO	G723	55.26500	35,000 ft	87	AGINSKOYE
NDB	AWY-HI	94.87750	10,668 m		
OLISA	A817	55.09060	35,000 ft	76	-
FIX	AWY-HI	97.10140	10,668 m		
SUKOR	A817	54.89000	35,000 ft	68	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	99.06250	10,668 m		
RESNI	A817	54.37690	35,000 ft	133	-
FIX	AWY-HI	102.80000	10,668 m		
RUSAM	A817	54.31220	35,000 ft	15	-
FIX	AWY-HI	103.22200	10,668 m		
DIGTA	A817	54.01170	35,000 ft	60	-
FIX	AWY-HI	104.87700	10,668 m		
TOBSA	A817	53.90560	35,000 ft	20	-
FIX	AWY-HI	105.42900	10,668 m		
DEROD	A817	53.34440	35,000 ft	101	-
FIX	AWY-HI	108.11600	10,668 m		
OGRAN	A817	52.92080	35,000 ft	70	-
FIX	AWY-HI	109.93400	10,668 m		
NERKA	A817	52.51720	35,000 ft	63	-
FIX	AWY-HI	111.53400	10,668 m		
TUBKO	B478	52.47140	35,000 ft	6	-
FIX	AWY-HI	111.70500	10,668 m		
TESLO	B478	52.25220	35,000 ft	32	-
FIX	AWY-HI	112.50900	10,668 m		
KTN	B478	52.02440	35,000 ft	32	KADALA (CHITA)
VOR	AWY-HI	113.30800	10,668 m		
LASAD	A91	51.61310	35,000 ft	32	-
FIX	AWY-HI	113.86300	10,668 m		
AGINO	A91	51.10060	35,000 ft	39	-
FIX	AWY-HI	114.53400	10,668 m		
NEKLU	A810	50.58060	35,000 ft	62	-
FIX	AWY-HI	115.96100	10,668 m		
NAREM	A810	50.38390	35,000 ft	22	-
FIX	AWY-HI	116.45100	10,668 m		
BADEK	A810	50.14560	35,000 ft	18	-
FIX	AWY-HI	116.74700	10,668 m		
TELOK	A810	49.63330	35,000 ft	39	-
FIX	AWY-HI	117.36700	10,668 m		
MANLI	A345	49.58330	35,000 ft	4	-
FIX	AWY-HI	117.45000	10,668 m		
KAGAK	A345	49.26670	35,000 ft	31	-
FIX	AWY-HI	118.10000	10,668 m		
HLD	A345	49.20330	35,000 ft	67	HAILAR
VOR	AWY-HI	119.82200	10,668 m		
TEPOD	B451	47.80170	35,000 ft	144	-
FIX	AWY-HI	122.77000	10,668 m		
NDG	B451	47.24400	35,000 ft	57	QIQIHAR
VOR	AWY-HI	123.92100	10,668 m		
ONINA	B451	46.27170	35,000 ft	82	-
FIX	AWY-HI	125.33700	10,668 m		
HRB	B451	45.62670	35,000 ft	54	HARBIN
VOR	AWY-HI	126.26000	10,668 m		
HRB	-	45.62330	35,000 ft	0	HARBIN VOR-DME
DME	-	126.26000	10,668 m		
KETOV	B451	45.03000	35,000 ft	52	-
FIX	AWY-HI	127.17700	10,668 m		
UGABI	B451	44.12670	35,000 ft	79	-
FIX	AWY-HI	128.55000	10,668 m		
ATODO	B451	43.80830	35,000 ft	27	-
FIX	AWY-HI	129.02000	10,668 m		
WQG	B451	43.29500	35,000 ft	45	WANGQING VOR-DME

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
DME	AWY-HI	129.78300	10,668 m		
WQG	-	43.29330	35,000 ft	0	WANGQING
VOR	-	129.78500	10,668 m		
BISUN	B451	43.23330	35,000 ft	61	-
FIX	AWY-HI	131.19700	10,668 m		
SANAR	B451	43.21530	35,000 ft	11	-
FIX	AWY-HI	131.45100	10,668 m		
BAPRU	B451	43.19220	35,000 ft	19	-
FIX	AWY-HI	131.89800	10,668 m		
IDBUR	B451	43.15560	35,000 ft	24	-
FIX	AWY-HI	132.45900	10,668 m		
ARLAS	B451	42.98530	35,000 ft	94	-
FIX	AWY-HI	134.59900	10,668 m		
LAKTA	B451	42.66330	35,000 ft	30	-
FIX	AWY-HI	135.13900	10,668 m		
LURED	-	42.48330	35,000 ft	17	-
FIX	-	135.43900	10,668 m		
IGROD	B451	41.65000	35,000 ft	78	-
FIX	AWY-HI	136.78300	10,668 m		
HOKKE	B451	40.00270	35,000 ft	103	-
FIX	AWY-HI	137.44200	10,668 m		
KADBO	B451	39.23610	35,000 ft	48	-
FIX	AWY-HI	137.74700	10,668 m		
TAVIS	R211	38.95420	35,000 ft	22	-
FIX	AWY-HI	138.05400	10,668 m		
CAYAH	R211	38.67500	35,000 ft	21	-
FIX	AWY-HI	138.35600	10,668 m		
GTC40	R211	38.47120	35,000 ft	15	-
FIX	AWY-HI	138.57400	10,668 m		
BASIN	R211	38.12100	34,200 ft	27	-
FIX	AWY-HI	138.94200	10,424 m		
GTC	R211	37.95830	31,500 ft	12	NIIGATA
VOR	AWY-HI	139.11500	9,601 m		
GTC15	V15	37.71860	28,300 ft	15	-
FIX	AWY-HI	139.20600	8,626 m		
KALON	V15	36.48990	11,800 ft	76	-
FIX	AWY-HI	139.66300	3,597 m		
RJAA	-	35.77700	0 ft	55	Narita Intl
APT	-	140.38200	0 m		

## LTBA

Region: TURKEY  
Timezone: EUROPE/ISTANBUL  
Runways: 1

Elevation: 163 ft / 50 m  
Location: 40.976100 28.814200  
Magnetic Var: 6.064 E

## METAR

LTBA 010550Z 02012KT 9999 SCT011 BKN030 BKN100 14/12 Q1017 RMK RWY23 02010KT

## TAF

TAF LTBA 010440Z 0106/0206 03014KT 9999 SCT010 BKN030 TEMPO 0106/0109 -SHRA BKN004 BKN020 PROB30 TEMPO 0112/0115 -

## Frequencies

REC - 130.25 MHz - D-ATIS ARRIVAL	REC - 128.20 MHz - D-ATIS DEPARTURE
TWR - 118.02 MHz - YESILKOY TOWER	TWR - 118.10 MHz - YESILKOY TOWER
TWR - 118.17 MHz - YESILKOY TOWER	TWR - 118.37 MHz - YESILKOY TOWER
TWR - 119.80 MHz - YESILKOY TOWER	TWR - 121.35 MHz - YESILKOY TOWER
TWR - 121.60 MHz - YESILKOY TOWER	TWR - 121.97 MHz - YESILKOY TOWER
TWR - 123.52 MHz - YESILKOY TOWER	TWR - 125.30 MHz - YESILKOY TOWER
TWR - 125.90 MHz - YESILKOY TOWER	TWR - 126.05 MHz - YESILKOY TOWER
TWR - 126.80 MHz - YESILKOY TOWER	APP - 118.95 MHz - YESILKOY APPROACH
APP - 119.35 MHz - YESILKOY APPROACH	APP - 119.47 MHz - YESILKOY APPROACH
APP - 120.12 MHz - YESILKOY APPROACH	APP - 120.45 MHz - YESILKOY APPROACH
APP - 120.50 MHz - YESILKOY APPROACH	APP - 120.70 MHz - YESILKOY APPROACH
APP - 121.10 MHz - YESILKOY APPROACH	APP - 121.25 MHz - YESILKOY APPROACH
APP - 122.47 MHz - YESILKOY APPROACH	APP - 122.57 MHz - YESILKOY APPROACH
APP - 122.67 MHz - YESILKOY APPROACH	APP - 124.45 MHz - YESILKOY APPROACH
APP - 126.42 MHz - YESILKOY APPROACH	APP - 127.10 MHz - YESILKOY APPROACH
APP - 127.82 MHz - YESILKOY APPROACH	APP - 128.72 MHz - YESILKOY APPROACH
APP - 130.30 MHz - YESILKOY APPROACH	APP - 131.12 MHz - YESILKOY APPROACH
APP - 132.05 MHz - YESILKOY APPROACH	APP - 132.32 MHz - YESILKOY APPROACH
APP - 132.47 MHz - YESILKOY APPROACH	APP - 132.77 MHz - YESILKOY APPROACH
APP - 132.95 MHz - YESILKOY APPROACH	APP - 133.07 MHz - YESILKOY APPROACH
APP - 133.22 MHz - YESILKOY APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05	197 ft	8,513 ft	58.45	ASPHALT	492 ft	207 ft
	60 m	2,595 m	52.39		150 m	63 m
23	197 ft	8,513 ft	238.47	ASPHALT	0 ft	197 ft
	60 m	2,595 m	232.40		0 m	60 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	DME	IIST	110.30 MHz	18 nm	-	-	82 ft
				33 km	-		82 m
23	DME	IATA	111.90 MHz	18 nm	-	-	163 ft
				33 km	-		163 m
05	LOC-ILS	IIST	110.30 MHz	18 nm	58.46	-	163 ft
				33 km	52.40		163 m
23	LOC-ILS	IATA	111.90 MHz	18 nm	238.46	-	163 ft
				33 km	232.40		163 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	GS	IIST	110.30 MHz	10 nm	58.46	3.00	163 ft
				19 km	52.40		163 m
23	GS	IATA	111.90 MHz	10 nm	238.46	3.20	163 ft
				19 km	232.40		163 m



## RJAA

Region: JAPAN  
Timezone: ASIA/TOKYO  
Runways: 2

Elevation: 135 ft / 41 m  
Location: 35.777200 140.382000  
Magnetic Var: 7.776 W

## METAR

RJAA 010600Z 05013KT 020V080 4000 SHRA BR FEW003 SCT004 BKN006 14/13 Q1006 TEMPO 3000 SHRA BR FEW003 BKN005 RMK 15

## TAF

TAF RJAA 010508Z 0106/0212 03012KT 8000 -RA FEW008 BKN020 TEMPO 0106/0108 3000 SHRA BR FEW003 BKN005 TEMPO 0108/01

## Frequencies

REC - 128.25 MHz - ATIS	TWR - 122.70 MHz - NARITA TOWER
TWR - 126.20 MHz - NARITA TOWER	TWR - 118.35 MHz - NARITA TOWER
TWR - 118.20 MHz - NARITA TOWER	GND - 121.85 MHz - NARITA GROUND
GND - 121.95 MHz - NARITA GROUND	GND - 121.60 MHz - NARITA GROUND
GND - 121.75 MHz - NARITA GROUND	APP - 125.20 MHz - NARITA APPROACH
APP - 124.40 MHz - NARITA APPROACH	APP - 121.27 MHz - NARITA APPROACH
APP - 125.80 MHz - NARITA APPROACH	APP - 127.70 MHz - NARITA APPROACH
DEP - 120.60 MHz - NARITA DEPARTURE	DEP - 127.50 MHz - NARITA DEPARTURE
DEP - 119.60 MHz - NARITA DEPARTURE	DEP - 125.52 MHz - NARITA DEPARTURE
DEP - 124.20 MHz - NARITA DEPARTURE	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16R	197 ft	13,146 ft	149.63	ASPHALT	0 ft	407 ft
	60 m	4,007 m	157.41		0 m	124 m
34L	197 ft	13,146 ft	329.64	ASPHALT	0 ft	404 ft
	60 m	4,007 m	337.42		0 m	123 m
16L	197 ft	8,210 ft	149.61	ASPHALT	0 ft	197 ft
	60 m	2,503 m	157.39		0 m	60 m
34R	197 ft	8,210 ft	329.62	ASPHALT	0 ft	0 ft
	60 m	2,503 m	337.40		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16L	DME	ITM	110.70 MHz	18 nm	-	-	145 ft
				33 km	-		145 m
16R	DME	IKF	111.50 MHz	18 nm	-	-	145 ft
				33 km	-		145 m
34L	DME	IYQ	111.90 MHz	18 nm	-	-	153 ft
				33 km	-		153 m
34R	DME	ITJ	110.90 MHz	18 nm	-	-	148 ft
				33 km	-		148 m
16L	LOC-ILS	ITM	110.70 MHz	18 nm	149.64	-	135 ft
				33 km	157.42		135 m
16R	LOC-ILS	IKF	111.50 MHz	18 nm	149.62	-	135 ft
				33 km	157.40		135 m
34L	LOC-ILS	IYQ	111.90 MHz	18 nm	329.62	-	135 ft
				33 km	337.40		135 m
34R	LOC-ILS	ITJ	110.90 MHz	18 nm	329.64	-	135 ft
				33 km	337.42		135 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16L	GS	ITM	110.70 MHz	10 nm	149.64	3.00	135 ft
				19 km	157.42		135 m
16R	GS	IKF	111.50 MHz	10 nm	149.62	3.00	135 ft
				19 km	157.40		135 m
34L	GS	IYQ	111.90 MHz	10 nm	329.62	3.00	135 ft
				19 km	337.40		135 m
34R	GS	ITJ	110.90 MHz	10 nm	329.64	3.00	135 ft
				19 km	337.42		135 m