

**EDDF**  
Frankfurt

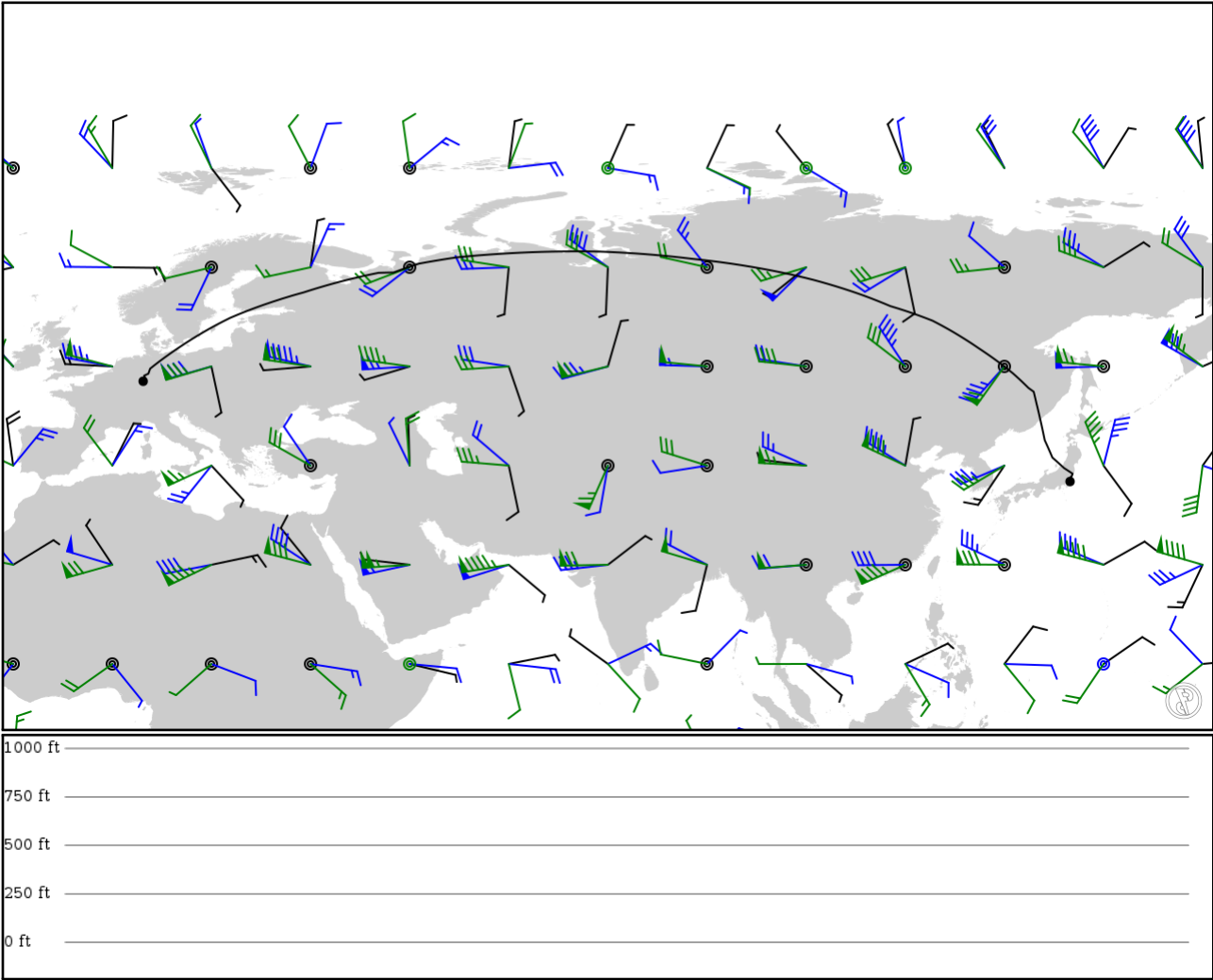
**LH8384**

**RJAA**  
Narita Intl

2024/05/11 0112Z

EDDF DF149 MTR TOBAK APROX MARUN UVANO NATSU TOLGI OKAGA ALAMI ETOBA KOKAT SONIS NEGAM TOGRU  
ALISA OGEMI LETBA AGUKI ROKUT 6550N4416E RIGNI SORIL BAMKA NRM MOREN REBSI TELGO MELIM RIMAG  
KUSET TANAM IGR LUGUN TIRSA ARBUL UNILA DINOM RUKOL LEBNA GIMAR AKATA OKUNI NITUS BANLI MORIB  
ORTEL OKNOR GIMOL LALIR BAKAT ODENA IPREL DELUK OSPIR KEGES BESPA NIKRA IVADA HAB OTMIR AGUNI  
LUTEL RUSOT KURIN OLMIS ASMER IGROD CLALA REALU SEILO KAMOH RINOA LANAI SHELY LOTUS 3631N14037E  
SWAMP DANTE LAKES RJAA

5168.31 nm / 9571.71 km



**Notes**

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
EDDF	-	50.03260	0 ft	-	Frankfurt
APT	-	8.54067	0 m		
DF149	-	50.07270	0 ft	6	-
FIX	-	8.71071	0 m		
MTR	-	50.27630	0 ft	13	METRO
VOR	-	8.84863	0 m		
TOBAK	-	50.57160	0 ft	17	-
FIX	-	8.78578	0 m		
APROX	-	50.72520	0 ft	9	-
FIX	-	8.71586	0 m		
MARUN	-	50.82120	0 ft	6	-
FIX	-	8.67194	0 m		
UVANO	-	50.94220	0 ft	12	-
FIX	-	8.92444	0 m		
NATSU	-	51.11140	0 ft	16	-
FIX	-	9.28167	0 m		
TOLGI	-	51.82940	0 ft	44	-
FIX	-	9.53306	0 m		
OKAGA	-	54.91670	0 ft	239	-
FIX	-	13.76360	0 m		
ALAMI	-	59.04780	0 ft	340	-
FIX	-	20.91580	0 m		
ETOPA	-	62.18890	0 ft	319	-
FIX	-	29.67780	0 m		
KOKAT	-	62.66670	0 ft	55	-
FIX	-	31.37530	0 m		
SONIS	-	63.34170	0 ft	71	-
FIX	-	33.52720	0 m		
NEGAM	-	63.56830	0 ft	24	-
FIX	-	34.29720	0 m		
TOGRU	-	63.85670	0 ft	32	-
FIX	-	35.31890	0 m		
ALISA	-	64.11170	0 ft	29	-
FIX	-	36.26560	0 m		
OGEMI	-	64.45830	0 ft	40	-
FIX	-	37.61560	0 m		
LETBA	-	65.11670	0 ft	82	-
FIX	-	40.44220	0 m		
AGUKI	-	65.24830	0 ft	17	-
FIX	-	41.05390	0 m		
ROKUT	-	65.44830	0 ft	26	-
FIX	-	42.01890	0 m		
6550N4416E	-	65.50000	0 ft	53	-
LATLON	-	44.16000	0 m		
RIGNI	-	66.75030	0 ft	115	-
FIX	-	47.76390	0 m		
SORIL	-	67.30500	0 ft	81	-
FIX	-	50.95280	0 m		
BAMKA	-	67.47860	0 ft	26	-
FIX	-	52.02920	0 m		
NRM	-	67.63810	0 ft	26	NARYAN-MAR
VOR	-	53.11090	0 m		
MOREN	-	68.14890	0 ft	143	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	59.29920	0 m		
REBSI	-	68.46750	0 ft	166	-
FIX	-	66.74390	0 m		
TELGO	-	68.48720	0 ft	24	-
FIX	-	67.85140	0 m		
MELIM	-	68.50060	0 ft	72	-
FIX	-	71.13640	0 m		
RIMAG	-	68.46720	0 ft	54	-
FIX	-	73.59500	0 m		
KUSET	-	68.18750	0 ft	117	-
FIX	-	78.82860	0 m		
TANAM	-	68.02750	0 ft	47	-
FIX	-	80.90190	0 m		
IGR	-	67.43580	0 ft	135	IGARKA VOR-DME
DME	-	86.63750	0 m		
LUGUN	-	67.16080	0 ft	59	-
FIX	-	89.10750	0 m		
TIRSA	-	66.29420	0 ft	151	-
FIX	-	95.10810	0 m		
ARBUL	-	65.23080	0 ft	149	-
FIX	-	100.58300	0 m		
UNILA	-	64.43920	0 ft	97	-
FIX	-	103.90200	0 m		
DINOM	-	63.55750	0 ft	97	-
FIX	-	107.00000	0 m		
RUKOL	-	61.80890	0 ft	175	-
FIX	-	112.12100	0 m		
LEBNA	-	60.71720	0 ft	101	-
FIX	-	114.81700	0 m		
GIMAR	-	60.36060	0 ft	40	-
FIX	-	115.97900	0 m		
AKATA	-	59.89220	0 ft	51	-
FIX	-	117.41900	0 m		
OKUNI	-	59.11220	0 ft	81	-
FIX	-	119.60700	0 m		
NITUS	-	58.65060	0 ft	46	-
FIX	-	120.80900	0 m		
BANLI	-	57.15780	0 ft	125	-
FIX	-	123.54800	0 m		
MORIB	-	57.06220	0 ft	7	-
FIX	-	123.71300	0 m		
ORTEL	-	56.38220	0 ft	55	-
FIX	-	124.84600	0 m		
OKNOR	-	56.06390	0 ft	25	-
FIX	-	125.35700	0 m		
GIMOL	-	55.31390	0 ft	59	-
FIX	-	126.51900	0 m		
LALIR	-	54.81060	0 ft	39	-
FIX	-	127.26400	0 m		
BAKAT	-	54.08060	0 ft	58	-
FIX	-	128.35600	0 m		
ODENA	-	53.53060	0 ft	43	-
FIX	-	129.14600	0 m		
IPREL	-	52.94690	0 ft	45	-
FIX	-	129.95400	0 m		
DELUK	-	52.07110	0 ft	67	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	131.11300	0 m		
OSPIR	-	51.79420	0 ft	21	-
FIX	-	131.46700	0 m		
KEGES	-	51.19140	0 ft	45	-
FIX	-	132.21800	0 m		
BESPA	-	50.08940	0 ft	80	-
FIX	-	133.43100	0 m		
NIKRA	-	49.47530	0 ft	44	-
FIX	-	134.06900	0 m		
IVADA	-	49.08360	0 ft	28	-
FIX	-	134.46800	0 m		
HAB	-	48.54500	0 ft	43	KHABAROVSK VOR-DME
DME	-	135.21000	0 m		
OTMIR	-	47.27860	0 ft	77	-
FIX	-	135.51400	0 m		
AGUNI	-	46.82690	0 ft	27	-
FIX	-	135.61900	0 m		
LUTEL	-	46.35690	0 ft	28	-
FIX	-	135.73800	0 m		
RUSOT	-	46.07690	0 ft	17	-
FIX	-	135.80300	0 m		
KURIN	-	44.82030	0 ft	76	-
FIX	-	136.09600	0 m		
OLMIS	-	44.27360	0 ft	33	-
FIX	-	136.21900	0 m		
ASMER	-	43.55190	0 ft	43	-
FIX	-	136.38100	0 m		
IGROD	-	41.65000	0 ft	115	-
FIX	-	136.78300	0 m		
CLALA	-	39.18540	0 ft	156	-
FIX	-	137.87100	0 m		
REALU	-	38.81680	0 ft	29	-
FIX	-	138.29000	0 m		
SEILO	-	38.00910	0 ft	64	-
FIX	-	139.18800	0 m		
KAMOH	-	37.68810	0 ft	25	-
FIX	-	139.53700	0 m		
RINOA	-	37.33450	0 ft	33	-
FIX	-	140.08000	0 m		
LANAI	-	37.09210	0 ft	22	-
FIX	-	140.44800	0 m		
SHELY	-	36.88830	0 ft	19	-
FIX	-	140.75400	0 m		
LOTUS	-	36.56890	0 ft	20	-
FIX	-	140.63200	0 m		
3631N14037E	-	36.31000	0 ft	20	-
LATLON	-	140.37000	0 m		
SWAMP	-	36.32070	0 ft	8	-
FIX	-	140.53800	0 m		
DANTE	-	36.12130	0 ft	12	-
FIX	-	140.47300	0 m		
LAKES	-	35.96410	0 ft	9	-
FIX	-	140.50000	0 m		
RJAA	-	35.77710	0 ft	12	Narita Intl
APT	-	140.38200	0 m		

## EDDF

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

Elevation: 362 ft / 110 m  
Location: 50.032600 8.540670  
Magnetic Var: 3.173 E

## METAR

EDDF 110050Z AUTO 06003KT CAVOK 12/08 Q1021 NOSIG

## TAF

TAF EDDF 102300Z 1100/1206 04005KT CAVOK

## 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	246.42		0 m	0 m
07C	197 ft	13,134 ft	69.57	ASPHALT	0 ft	203 ft
	60 m	4,003 m	66.40		0 m	62 m
25C	197 ft	13,134 ft	249.61	ASPHALT	0 ft	935 ft
	60 m	4,003 m	246.44		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	66.42		362 m
07L	LOC-ILS	IFNE	111.75 MHz	18 nm	69.58	-	362 ft
				33 km	66.41		362 m
07R	LOC-ILS	IFSE	110.95 MHz	18 nm	69.61	-	362 ft
				33 km	66.44		362 m
25C	LOC-ILS	IFCW	111.55 MHz	18 nm	249.59	-	362 ft
				33 km	246.42		362 m
25L	LOC-ILS	IFSW	111.15 MHz	18 nm	249.61	-	362 ft
				33 km	246.44		362 m
25R	LOC-ILS	IFNW	111.35 MHz	18 nm	249.58	-	362 ft
				33 km	246.41		362 m
07C	GS	IFCE	110.55 MHz	10 nm	69.59	3.00	362 ft
				19 km	66.42		362 m
07L	GS	IFNE	111.75 MHz	10 nm	69.58	3.00	362 ft
				19 km	66.41		362 m
07R	GS	IFSE	110.95 MHz	10 nm	69.61	3.00	362 ft
				19 km	66.44		362 m
25C	GS	IFCW	111.55 MHz	10 nm	249.59	3.00	362 ft
				19 km	246.42		362 m
25L	GS	IFSW	111.15 MHz	10 nm	249.61	3.00	362 ft
				19 km	246.44		362 m
25R	GS	IFNW	111.35 MHz	10 nm	249.58	3.00	362 ft
				19 km	246.41		362 m

## RJAA

Region: JAPAN  
Timezone: ASIA/TOKYO  
Runways: 2

Elevation: 135 ft / 41 m  
Location: 35.777200 140.382000  
Magnetic Var: 7.778 W

## METAR

RJAA 110100Z 22013KT 180V260 9999 FEW030 23/11 Q1022 NOSIG RMK 1CU030 A3020

## TAF

TAF TAF RJAA 102305Z 1100/1206 20014KT 9999 FEW030 TEMPO 1102/1106 21015G26KT TEMPO 1200/1206 16018G28KT

## 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