

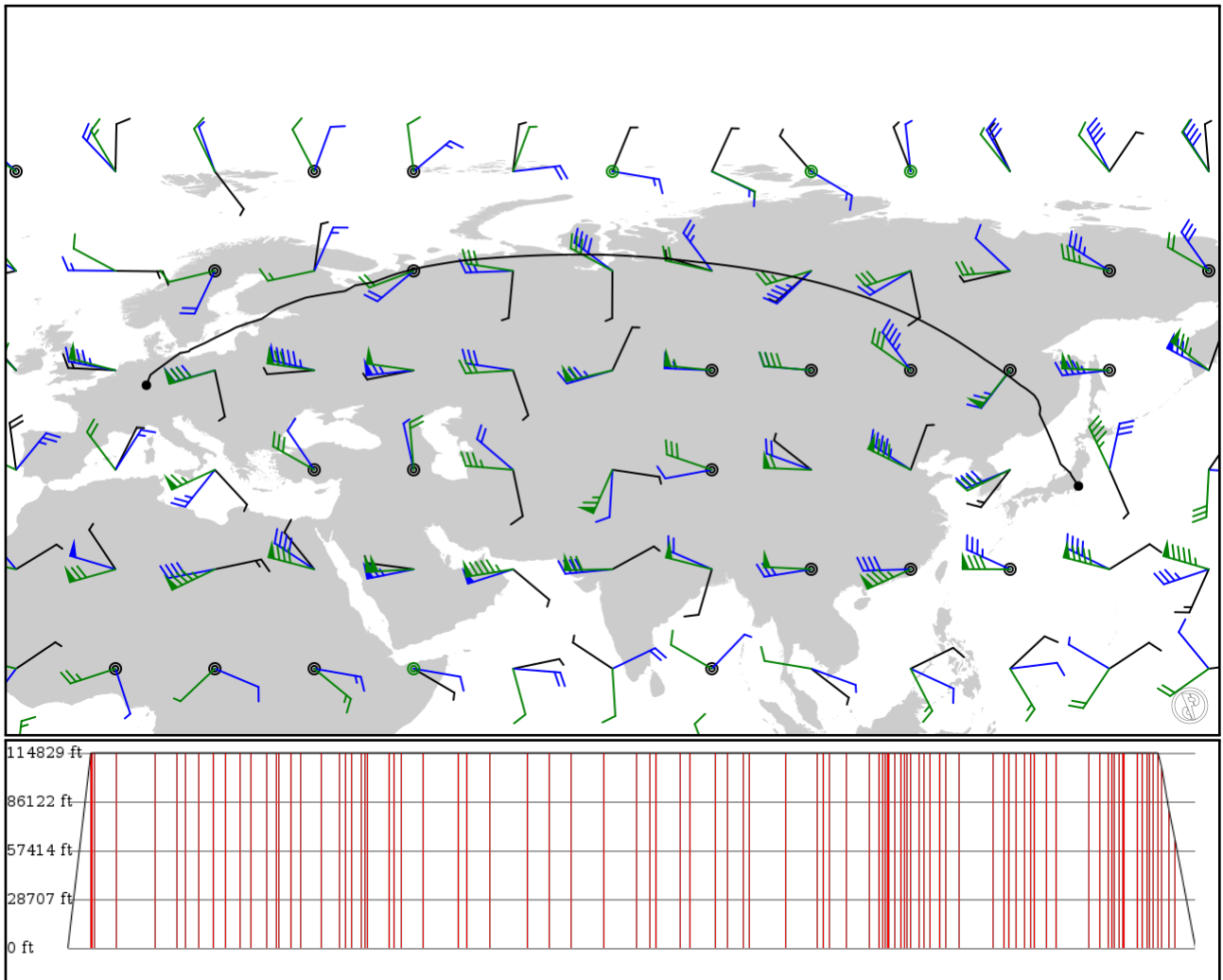
**RJAA**  
NARITA INTL

**EDDF**  
Frankfurt am Main Intl

2024/06/04 1838Z

RJAA TAGOK **Y37** HAIJI **Y375** IGROD **A931** TD **B355** ARDEL IJ RANOL OGNIT TORMA **A946** LEBNA **A333** NRM **R355**  
MZ **G911** ARGIP **B157** KEGUL **A714** KOMEK **T351** ROKVI **M854** MOHNI **Q22** TLL **Q11** PIMEX **P739** KOLJA **M864** ETRUS  
**P12** ROE ROE **Z212** POKEN **Q800** NONSA **UM864** WRB EDDF

5129.47 nm / 9499.78 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: yes

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
RJAA APT	-	35.77700 140.38200	0 ft 0 m	-	NARITA INTL
TAGOK FIX	-	37.33390 139.35100	35,000 ft 10,668 m	105	-
GOSEN FIX	Y37 AWY-HI	37.47890 139.29600	35,000 ft 10,668 m	9	-
SANJO FIX	Y37 AWY-HI	37.63120 139.23900	35,000 ft 10,668 m	9	-
HAIJI FIX	Y37 AWY-HI	38.88910 137.84800	35,000 ft 10,668 m	100	-
IGROD FIX	Y375 AWY-HI	41.65000 136.78300	35,000 ft 10,668 m	172	-
ODIBA FIX	A931 AWY-HI	43.24190 136.10300	35,000 ft 10,668 m	100	-
RILOP FIX	A931 AWY-HI	43.87190 135.82300	35,000 ft 10,668 m	39	-
GIPAL FIX	A931 AWY-HI	44.82860 135.38400	35,000 ft 10,668 m	60	-
TD NDB	A931 AWY-HI	45.90220 134.88500	35,000 ft 10,668 m	67	ROSHCHINO
ARDEL FIX	B355 AWY-HI	46.81860 134.98900	35,000 ft 10,668 m	55	-
IJ NDB	-	47.86830 134.64700	35,000 ft 10,668 m	64	HAIQING
RANOL FIX	-	48.64690 134.10300	35,000 ft 10,668 m	51	-
OGNIT FIX	-	49.56940 132.91300	35,000 ft 10,668 m	72	-
TORMA FIX	-	50.03360 132.18400	35,000 ft 10,668 m	39	-
MORAB FIX	A946 AWY-HI	50.23280 131.93500	35,000 ft 10,668 m	15	-
UTOMI FIX	A946 AWY-HI	50.95170 131.01000	35,000 ft 10,668 m	55	-
TISUL FIX	A946 AWY-HI	51.51080 130.26400	35,000 ft 10,668 m	43	-
BUDES FIX	A946 AWY-HI	52.69530 128.59400	35,000 ft 10,668 m	94	-
NALEB FIX	A946 AWY-HI	53.69220 127.08900	35,000 ft 10,668 m	80	-
NIBRI FIX	A946 AWY-HI	54.02390 126.62900	35,000 ft 10,668 m	25	-
TAKOB FIX	A946 AWY-HI	54.36810 126.14100	35,000 ft 10,668 m	26	-
BELIM FIX	A946 AWY-HI	54.97250 125.25400	35,000 ft 10,668 m	47	-
BASOK FIX	A946 AWY-HI	55.16170 124.97000	35,000 ft 10,668 m	14	-
IDELI FIX	A946 AWY-HI	55.28390 124.78400	35,000 ft 10,668 m	9	-
NUDKA FIX	A946 AWY-HI	56.55060 122.82000	35,000 ft 10,668 m	100	-
BESEG	A946	56.83560	35,000 ft	23	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	122.35400	10,668 m		
SORNU	A946	57.25310	35,000 ft	33	-
FIX	AWY-HI	121.65200	10,668 m		
KEKIT	A946	58.44440	35,000 ft	98	-
FIX	AWY-HI	119.52100	10,668 m		
LUNET	A946	60.26860	35,000 ft	157	-
FIX	AWY-HI	115.82300	10,668 m		
LEBNA	A946	60.71720	35,000 ft	40	-
FIX	AWY-HI	114.81700	10,668 m		
RUKOL	A333	61.80890	35,000 ft	101	-
FIX	AWY-HI	112.12100	10,668 m		
DINOM	A333	63.55750	35,000 ft	175	-
FIX	AWY-HI	107.00000	10,668 m		
UNILA	A333	64.43920	35,000 ft	97	-
FIX	AWY-HI	103.90200	10,668 m		
ARBUL	A333	65.23080	35,000 ft	97	-
FIX	AWY-HI	100.58300	10,668 m		
TIRSA	A333	66.29420	35,000 ft	149	-
FIX	AWY-HI	95.10810	10,668 m		
LUGUN	A333	67.16080	35,000 ft	151	-
FIX	AWY-HI	89.10750	10,668 m		
IGR	A333	67.43580	35,000 ft	59	IGARKA
VOR	AWY-HI	86.63750	10,668 m		
RUKOD	A333	67.56530	35,000 ft	27	-
FIX	AWY-HI	85.50000	10,668 m		
TANAM	A333	68.02750	35,000 ft	107	-
FIX	AWY-HI	80.90190	10,668 m		
KUSET	A333	68.18750	35,000 ft	47	-
FIX	AWY-HI	78.82860	10,668 m		
RIMAG	A333	68.46720	35,000 ft	117	-
FIX	AWY-HI	73.59500	10,668 m		
MELIM	A333	68.50060	35,000 ft	54	-
FIX	AWY-HI	71.13640	10,668 m		
TELGO	A333	68.48720	35,000 ft	72	-
FIX	AWY-HI	67.85140	10,668 m		
REBSI	A333	68.46750	35,000 ft	24	-
FIX	AWY-HI	66.74390	10,668 m		
MOREN	A333	68.14890	35,000 ft	166	-
FIX	AWY-HI	59.29920	10,668 m		
NRM	A333	67.63810	35,000 ft	143	NARYAN-MAR
VOR	AWY-HI	53.11080	10,668 m		
BAMKA	R355	67.47860	35,000 ft	26	-
FIX	AWY-HI	52.02920	10,668 m		
SORIL	R355	67.30500	35,000 ft	26	-
FIX	AWY-HI	50.95280	10,668 m		
RIGNI	R355	66.75030	35,000 ft	81	-
FIX	AWY-HI	47.76390	10,668 m		
MZ	R355	65.86690	35,000 ft	101	MEZEN
NDB	AWY-HI	44.19720	10,668 m		
KOMOV	G911	65.35360	35,000 ft	48	-
FIX	AWY-HI	42.70220	10,668 m		
UNARI	G911	65.19860	35,000 ft	13	-
FIX	AWY-HI	42.29060	10,668 m		
BEKOT	G911	65.07250	35,000 ft	11	-
FIX	AWY-HI	41.94780	10,668 m		
PIBER	G911	64.96000	35,000 ft	10	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	41.64560	10,668 m		
PETIR	G911	64.90170	35,000 ft	5	-
FIX	AWY-HI	41.49190	10,668 m		
ARGIP	G911	64.60000	35,000 ft	26	-
FIX	AWY-HI	40.71580	10,668 m		
RUGOK	B157	64.43610	35,000 ft	26	-
FIX	AWY-HI	39.74330	10,668 m		
PEMIL	B157	64.31670	35,000 ft	19	-
FIX	AWY-HI	39.06390	10,668 m		
MAGEM	B157	64.27000	35,000 ft	7	-
FIX	AWY-HI	38.78560	10,668 m		
TAGIN	B157	64.13330	35,000 ft	21	-
FIX	AWY-HI	38.03060	10,668 m		
SUNIT	B157	63.66670	35,000 ft	35	-
FIX	AWY-HI	37.23080	10,668 m		
KEGUL	B157	63.34170	35,000 ft	25	-
FIX	AWY-HI	36.61420	10,668 m		
OLBAN	A714	63.21830	35,000 ft	23	-
FIX	AWY-HI	35.76920	10,668 m		
SUDEP	A714	62.97500	35,000 ft	44	-
FIX	AWY-HI	34.21920	10,668 m		
KULOR	A714	62.80830	35,000 ft	28	-
FIX	AWY-HI	33.22920	10,668 m		
KOMEK	A714	62.42170	35,000 ft	63	-
FIX	AWY-HI	31.10830	10,668 m		
ROKVI	T351	60.86080	35,000 ft	149	-
FIX	AWY-HI	27.02310	10,668 m		
NITAS	M854	60.17580	35,000 ft	51	-
FIX	AWY-HI	25.97470	10,668 m		
MOHNI	M854	59.89690	35,000 ft	20	-
FIX	AWY-HI	25.58500	10,668 m		
TLL	Q22	59.41130	35,000 ft	36	TALLINN
VOR	AWY-HI	24.83840	10,668 m		
LONSA	Q11	59.08220	35,000 ft	36	-
FIX	AWY-HI	23.83440	10,668 m		
ODVIN	Q11	58.83470	35,000 ft	29	-
FIX	AWY-HI	23.02580	10,668 m		
SUVIX	Q11	58.69060	35,000 ft	16	-
FIX	AWY-HI	22.59330	10,668 m		
PIMEX	Q11	58.21280	35,000 ft	51	-
FIX	AWY-HI	21.21440	10,668 m		
DEREX	P739	57.67280	35,000 ft	45	-
FIX	AWY-HI	20.21080	10,668 m		
KOLJA	P739	56.00000	35,000 ft	150	-
FIX	AWY-HI	16.81470	10,668 m		
ETRUS	M864	55.47340	35,000 ft	50	-
FIX	AWY-HI	15.63480	10,668 m		
ROE	P12	55.06560	35,000 ft	38	RONNE
VOR	AWY-HI	14.75870	10,668 m		
ROE	-	55.06190	35,000 ft	0	RONNE VOR-DME
DME	-	14.75590	10,668 m		
POKEN	Z212	54.81960	35,000 ft	15	-
FIX	AWY-HI	14.56420	10,668 m		
BILRA	Q800	54.77470	35,000 ft	8	-
FIX	AWY-HI	14.33890	10,668 m		
ASDIN	Q800	54.65830	35,000 ft	20	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	13.76860	10,668 m		
NONSA	Q800	54.59860	35,000 ft	16	-
FIX	AWY-HI	13.30030	10,668 m		
PEROM	UM864	54.45970	35,000 ft	10	-
FIX	AWY-HI	13.13770	10,668 m		
NUVEN	UM864	53.74140	35,000 ft	55	-
FIX	AWY-HI	12.12530	10,668 m		
PABMI	UM864	53.40530	35,000 ft	25	-
FIX	AWY-HI	11.66750	10,668 m		
BUMIL	UM864	53.12000	35,000 ft	21	-
FIX	AWY-HI	11.28610	10,668 m		
SORIT	UM864	52.97080	35,000 ft	11	-
FIX	AWY-HI	11.08940	10,668 m		
LALUB	UM864	52.79440	35,000 ft	13	-
FIX	AWY-HI	10.84030	10,668 m		
AMALI	UM864	52.47970	35,000 ft	24	-
FIX	AWY-HI	10.40640	10,668 m		
ATROS	UM864	52.28280	32,400 ft	15	-
FIX	AWY-HI	10.13830	9,876 m		
TOLGI	UM864	51.82940	24,800 ft	35	-
FIX	AWY-HI	9.53306	7,559 m		
WRB	UM864	51.50570	19,500 ft	25	WARBURG
VOR	AWY-HI	9.11091	5,944 m		
EDDF	-	50.03260	0 ft	91	Frankfurt am Main Intl
APT	-	8.54067	0 m		

## RJAA

Region: JAPAN  
Timezone: ASIA/TOKYO  
Runways: 2

Elevation: 135 ft / 41 m  
Location: 35.777200 140.382000  
Magnetic Var: 7.782 W

## METAR

RJAA 041800Z AUTO 36006KT 9999 NCD 15/13 Q1015 NOSIG RMK A2997

## TAF

TAF RJAA 041705Z 0418/0600 02012KT 9999 FEW030 BECMG 0506/0509 10008KT BECMG 0515/0518 04004KT

## 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



## EDDF

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

Elevation: 362 ft / 110 m  
Location: 50.032600 8.540670  
Magnetic Var: 3.182 E

## METAR

EDDF 041820Z AUTO 23007KT CAVOK 22/10 Q1010 NOSIG

## TAF

TAF EDDF 041700Z 0418/0524 21005KT CAVOK BECMG 0503/0506 BKN030 BECMG 0507/0509 22011KT PROB30 TEMPO 0512/0518 21

## 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	66.38		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	246.44		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