

# EBBR

Brussels

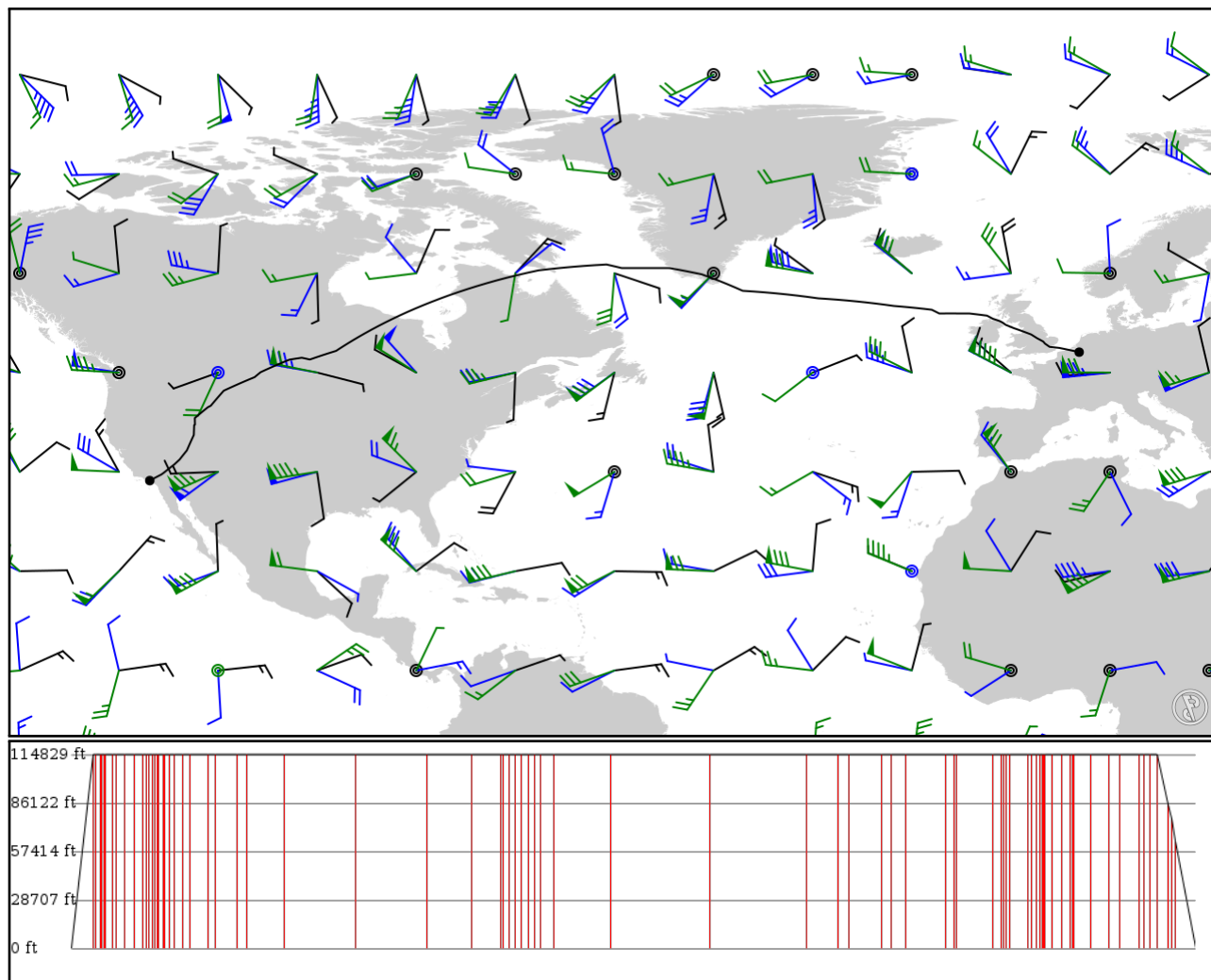
# KLAX

Los Angeles Intl

2024/05/03 0225Z

EBBR SUNUP **UL610** GILDA **M14** STOAT **UL613** MOGLI **UP6** LESTA **P6** RODOL **UP6** REMSI **M148** MAGEE 5500N0600W  
RUBEX DONIB **N562** MIMKU 5600N01100W SOVED BILTO A 59/40 NA **W65** EVDIR 6200N05000W 6200N05100W  
6200N05200W 6200N05300W 6200N05400W 6200N05500W 6200N05600W KETLA **N880A** FEDDY **SCAI** FERNO YRL **V181**  
YWG **V304** YBR **J549** ISN **V465** EXADE **T331** BIL **V465** DNW **V330** JAC **V465** MLD **V257** NUBGE PATIO **Q842** BLIPP  
**Q70** LAS **J100** DAG **V394** BASAL KLAX

5105.61 nm / 9455.59 km



## Notes

Using NAT tracks from 19/6/2022

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
EBBR	-	50.89990	0 ft	-	Brussels
APT	-	4.49277	0 m		
SUNUP	-	51.45860	35,000 ft	104	-
FIX	-	1.87417	10,668 m		
TEBRA	UL610	51.48900	35,000 ft	9	-
FIX	AWY-HI	1.61194	10,668 m		
KOPUL	UL610	51.54220	35,000 ft	18	-
FIX	AWY-HI	1.13718	10,668 m		
UNSA	UL610	51.56110	35,000 ft	6	-
FIX	AWY-HI	0.96278	10,668 m		
NILON	UL610	51.59610	35,000 ft	12	-
FIX	AWY-HI	0.63444	10,668 m		
GILDA	UL610	51.60170	35,000 ft	1	-
FIX	AWY-HI	0.58361	10,668 m		
FERIT	M14	51.63310	35,000 ft	2	-
FIX	AWY-HI	0.53917	10,668 m		
WESUL	M14	51.67080	35,000 ft	3	-
FIX	AWY-HI	0.48583	10,668 m		
STOAT	M14	52.02580	35,000 ft	28	-
FIX	AWY-HI	-0.02083	10,668 m		
MOGLI	UL613	52.30830	35,000 ft	19	-
FIX	AWY-HI	-0.26917	10,668 m		
LESTA	UP6	52.74080	35,000 ft	39	-
FIX	AWY-HI	-1.07194	10,668 m		
RODOL	P6	53.23810	35,000 ft	41	-
FIX	AWY-LO	-1.86194	10,668 m		
KOLID	UP6	53.57390	35,000 ft	37	-
FIX	AWY-HI	-2.75556	10,668 m		
BILVO	UP6	53.73110	35,000 ft	17	-
FIX	AWY-HI	-3.18583	10,668 m		
TUPEM	UP6	53.83810	35,000 ft	12	-
FIX	AWY-HI	-3.48194	10,668 m		
REMSI	UP6	53.96030	35,000 ft	14	-
FIX	AWY-HI	-3.82556	10,668 m		
NINEB	M148	54.06220	35,000 ft	12	-
FIX	AWY-HI	-4.12833	10,668 m		
MASOP	M148	54.15580	35,000 ft	9	-
FIX	AWY-HI	-4.35417	10,668 m		
IDGAS	M148	54.23970	35,000 ft	8	-
FIX	AWY-HI	-4.55806	10,668 m		
IBTES	M148	54.44030	35,000 ft	21	-
FIX	AWY-HI	-5.05417	10,668 m		
LIMKA	M148	54.50720	35,000 ft	7	-
FIX	AWY-HI	-5.21972	10,668 m		
MAGEE	M148	54.79170	35,000 ft	21	-
FIX	AWY-HI	-5.60833	10,668 m		
5500N0600W	-	55.00000	35,000 ft	18	-
LATLON	-	-6.00000	10,668 m		
RUBEX	-	55.32000	35,000 ft	37	-
FIX	-	-6.93528	10,668 m		
DONIB	-	55.71920	35,000 ft	35	-
FIX	-	-7.69556	10,668 m		
MIMKU	N562	56.00000	35,000 ft	79	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-10.00000	10,668 m		
5600N01100W	-	56.00000	35,000 ft	33	-
LATLON	-	-11.00000	10,668 m		
SOVED	-	56.00000	35,000 ft	100	-
FIX	-	-14.00000	10,668 m		
BILTO	-	56.50000	35,000 ft	44	-
FIX	-	-15.00000	10,668 m		
57/20	A	57.00000	35,000 ft	167	-
LATLON	NAT	-20.00000	10,668 m		
58/30	A	58.00000	35,000 ft	327	-
LATLON	NAT	-30.00000	10,668 m		
59/40	A	59.00000	35,000 ft	319	-
LATLON	NAT	-40.00000	10,668 m		
NA	-	61.17070	35,000 ft	207	NARSARSUAQ
NDB	-	-45.41290	10,668 m		
EVDIR	W65	61.99580	35,000 ft	130	-
FIX	AWY-LO	-49.64780	10,668 m		
6200N05000W	-	62.00000	35,000 ft	9	-
LATLON	-	-50.00000	10,668 m		
6200N05100W	-	62.00000	35,000 ft	28	-
LATLON	-	-51.00000	10,668 m		
6200N05200W	-	62.00000	35,000 ft	28	-
LATLON	-	-52.00000	10,668 m		
6200N05300W	-	62.00000	35,000 ft	28	-
LATLON	-	-53.00000	10,668 m		
6200N05400W	-	62.00000	35,000 ft	28	-
LATLON	-	-54.00000	10,668 m		
6200N05500W	-	62.00000	35,000 ft	28	-
LATLON	-	-55.00000	10,668 m		
6200N05600W	-	62.00000	35,000 ft	28	-
LATLON	-	-56.00000	10,668 m		
KETLA	-	62.46670	35,000 ft	62	-
FIX	-	-58.00000	10,668 m		
FEDDY	N880A	61.70000	35,000 ft	256	-
FIX	AWY-HI	-67.00000	10,668 m		
IRLAV	SCAI	57.97420	35,000 ft	450	-
FIX	AWY-HI	-80.00000	10,668 m		
LITRO	SCAI	53.36280	35,000 ft	436	-
FIX	AWY-HI	-90.00000	10,668 m		
FERNO	SCAI	51.64750	35,000 ft	147	-
FIX	AWY-HI	-92.87250	10,668 m		
YRL	-	51.07160	35,000 ft	48	RED LAKE
VOR	-	-93.76200	10,668 m		
YWG	V181	49.92780	35,000 ft	149	WINNIPEG
VOR	AWY-LO	-97.23920	10,668 m		
UDE	V304	50.16640	35,000 ft	43	DELTA
NDB	AWY-LO	-98.30720	10,668 m		
YBR	V304	49.90990	35,000 ft	65	BRANDON
VOR	AWY-LO	-99.94570	10,668 m		
ISN	J549	48.25340	35,000 ft	179	WILLISTON
VOR	AWY-HI	-103.75100	10,668 m		
LAMBE	V465	47.76140	35,000 ft	38	-
FIX	AWY-LO	-104.35000	10,668 m		
EXADE	V465	47.59910	35,000 ft	12	-
FIX	AWY-LO	-104.54500	10,668 m		
TRUED	T331	46.14090	35,000 ft	163	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-107.91000	10,668 m		
BIL	T331	45.80860	35,000 ft	35	BILLINGS
VOR	AWY-LO	-108.62500	10,668 m		
LAREI	V465	45.59690	35,000 ft	14	-
FIX	AWY-LO	-108.81400	10,668 m		
CUKUV	V465	45.48610	35,000 ft	7	-
FIX	AWY-LO	-108.91300	10,668 m		
HAKDI	V465	45.43350	35,000 ft	3	-
FIX	AWY-LO	-108.96000	10,668 m		
REDLO	V465	45.24340	35,000 ft	13	-
FIX	AWY-LO	-109.12700	10,668 m		
TOCUD	V465	44.06470	35,000 ft	82	-
FIX	AWY-LO	-110.13800	10,668 m		
DNW	V465	43.82830	35,000 ft	16	DUNOIR
VOR	AWY-LO	-110.33500	10,668 m		
JAC	V330	43.62100	35,000 ft	21	JACKSON
VOR	AWY-LO	-110.73200	10,668 m		
ECUNA	V465	43.42330	35,000 ft	15	-
FIX	AWY-LO	-110.97800	10,668 m		
ELKHO	V465	43.38620	35,000 ft	2	-
FIX	AWY-LO	-111.02400	10,668 m		
CILEG	V465	43.27650	35,000 ft	8	-
FIX	AWY-LO	-111.15900	10,668 m		
GIGSE	V465	43.22660	35,000 ft	4	-
FIX	AWY-LO	-111.22000	10,668 m		
OLNUE	V465	43.13200	35,000 ft	7	-
FIX	AWY-LO	-111.33600	10,668 m		
LUNDI	V465	42.69110	35,000 ft	35	-
FIX	AWY-LO	-111.86900	10,668 m		
MLD	V465	42.19990	35,000 ft	39	MALAD CITY
VOR	AWY-LO	-112.45100	10,668 m		
KREBS	V257	41.48880	35,000 ft	42	-
FIX	AWY-LO	-112.43500	10,668 m		
NUBGE	V257	41.33300	35,000 ft	9	-
FIX	AWY-LO	-112.43100	10,668 m		
PATIO	-	41.26670	35,000 ft	6	-
FIX	-	-112.53300	10,668 m		
PICHO	Q842	39.96670	35,000 ft	78	-
FIX	AWY-HI	-112.58300	10,668 m		
TABLL	Q842	38.66560	35,000 ft	82	-
FIX	AWY-HI	-113.17600	10,668 m		
WINEN	Q842	37.93330	35,000 ft	46	-
FIX	AWY-HI	-113.50000	10,668 m		
BLIPP	Q842	36.71150	35,000 ft	86	-
FIX	AWY-HI	-114.47400	10,668 m		
IFEYE	Q70	36.41560	35,000 ft	23	-
FIX	AWY-HI	-114.79700	10,668 m		
LAS	Q70	36.07970	35,000 ft	26	LAS VEGAS
VOR	AWY-HI	-115.16000	10,668 m		
CLARR	J100	35.67570	35,000 ft	35	-
FIX	AWY-HI	-115.68000	10,668 m		
MISEN	J100	35.10230	26,000 ft	49	-
FIX	AWY-HI	-116.40400	7,925 m		
DAG	J100	34.96250	23,400 ft	11	DAGGETT
VOR	AWY-HI	-116.57800	7,132 m		
BASAL	V394	34.75780	19,400 ft	18	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-116.86200	5,913 m		
KLAX	-	33.94310	0 ft	90	Los Angeles Intl
APT	-	-118.40900	0 m		

## EBBR

Region: BELGIUM  
Timezone: EUROPE/BRUSSELS  
Runways: 3

Elevation: 184 ft / 56 m  
Location: 50.899900 4.492770  
Magnetic Var: 1.999 E

## METAR

EBBR 030150Z 25010KT 8000 -RA OVC008 11/10 Q1005 NOSIG

## TAF

TAF TAF EBBR 022310Z 0300/0406 25010KT 8000 -RA SCT004 BKN007 TEMPO 0300/0309 3200 RA TEMPO 0303/0314 24015G25KT B

## Frequencies

REC - 121.75 MHz - ATIS DEP  
COM - 130.55 MHz - ABELAG UNICOM  
GND - 118.05 MHz -  
GND - 121.87 MHz -  
TWR - 120.77 MHz -  
APP - 120.10 MHz -  
DEP - 126.62 MHz -

REC - 132.47 MHz - ATIS ARR  
CLD - 121.95 MHz - CLNC DEL  
GND - 121.70 MHz -  
TWR - 118.60 MHz -  
APP - 118.25 MHz -  
APP - 122.50 MHz -

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07L	148 ft	11,917 ft	65.37	ASPHALT	843 ft	72 ft
	45 m	3,632 m	63.37		257 m	22 m
25R	148 ft	11,917 ft	245.41	ASPHALT	981 ft	0 ft
	45 m	3,632 m	243.41		299 m	0 m
07R	148 ft	10,522 ft	69.88	ASPHALT	407 ft	0 ft
	45 m	3,207 m	67.88		124 m	0 m
25L	148 ft	10,522 ft	249.91	ASPHALT	0 ft	13 ft
	45 m	3,207 m	247.91		0 m	4 m
01	164 ft	9,810 ft	14.44	ASPHALT	157 ft	0 ft
	50 m	2,990 m	12.44		48 m	0 m
19	164 ft	9,810 ft	194.45	ASPHALT	722 ft	43 ft
	50 m	2,990 m	192.45		220 m	13 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01	DME	IBX	109.90 MHz	18 nm	-	-	184 ft
				33 km	-		184 m
19	DME	IBM	111.15 MHz	18 nm	-	-	184 ft
				33 km	-		184 m
25R	DME	IBR	108.90 MHz	18 nm	-	-	184 ft
				33 km	-		184 m
01	LOC-ILS	IBX	109.90 MHz	18 nm	14.45	-	184 ft
				33 km	12.45		184 m
19	LOC-ILS	IBM	111.15 MHz	18 nm	194.45	-	184 ft
				33 km	192.45		184 m
25L	LOC-ILS	IBL	110.35 MHz	18 nm	249.89	-	184 ft
				33 km	247.89		184 m
25R	LOC-ILS	IBR	108.90 MHz	18 nm	245.39	-	184 ft
				33 km	243.39		184 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01	GS	IBX	109.90 MHz	10 nm	14.45	3.00	184 ft
				19 km	12.45		184 m
19	GS	IBM	111.15 MHz	10 nm	194.45	3.00	184 ft
				19 km	192.45		184 m
25L	GS	IBL	110.35 MHz	10 nm	249.89	3.00	184 ft
				19 km	247.89		184 m
25R	GS	IBR	108.90 MHz	10 nm	245.39	3.00	184 ft
				19 km	243.39		184 m



## KLAX

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

Elevation: 125 ft / 38 m  
Location: 33.943100 -118.409000  
Magnetic Var: 11.443 E

## METAR

KLAX 030153Z 26008KT 10SM FEW014 16/12 A2986 RMK AO2 SLP111 T01560122 \$

## TAF

KLAX 022351Z 0300/0406 25012KT P6SM SCT022 FM030300 26005KT P6SM SKC FM030400 VRB03KT P6SM OVC010 FM030800 11005KT

## 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	71.51		0 m	116 m
25L	200 ft	11,106 ft	262.98	CONCRETE	0 ft	381 ft
	61 m	3,385 m	251.53		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	251.53		295 m	60 m
06R	151 ft	10,896 ft	82.95	CONCRETE	551 ft	384 ft
	46 m	3,321 m	71.50		168 m	117 m
24L	151 ft	10,896 ft	262.97	CONCRETE	814 ft	384 ft
	46 m	3,321 m	251.52		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	251.52		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