

**CARTE D'AERODROME**

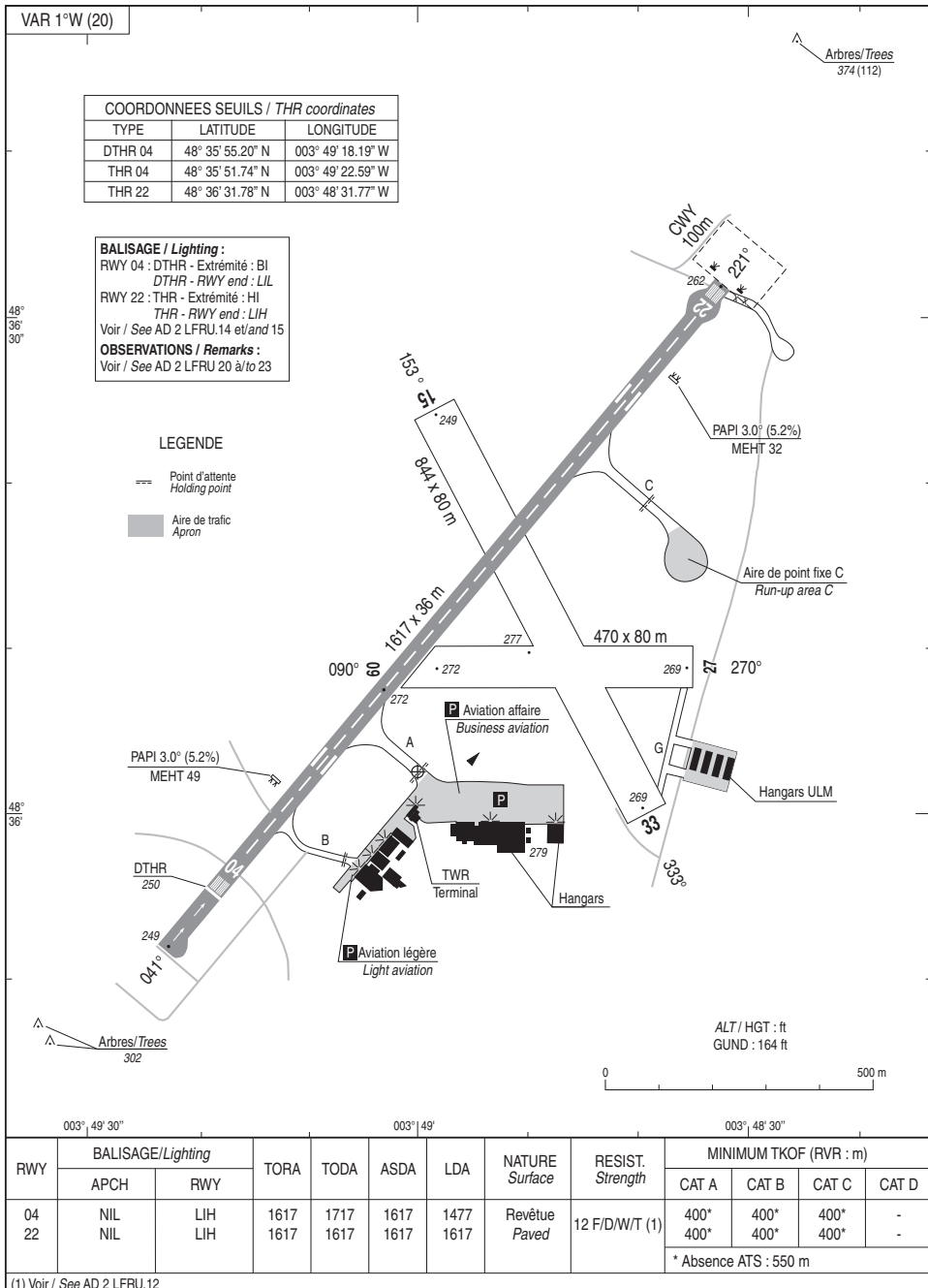
ATS : MORLAIX Information 118.500

**MORLAIX PLOUJEAN**

48 36 03 N - 003 49 00 W

ALT AD : 277 (10 hPa)

Aerodrome chart



## POINTS / REPERES ESSENTIELS DES PROCEDURES

*Waypoints / Procedures main fixes*

Identification	Coordonnées		RNAV	CONV
ARE	REF ENR 4.1		X	
MOVEX IAF RNAV04	48°23'04.0"N	003°55'44.0"W	X	
MOBRU IAF/IF RNAV04	48°26'16.6"N	004°01'29.1"W	X	
FRU04 FAF RNAV04	48°29'25.9"N	003°57'30.6"W	X	
RW04 MAPT04	48°35'55.20"N	003°49'18.19"W	X	
RU810	48°40'30.3"N	003°43'28.5"W	X	
RU812	48°38'48.1"N	003°45'45.7"W	X	
RU802	48°22'31.9"N	003°52'20.2"W	X	
MOKEB	REF ENR 4.4		X	
MOLOV	REF ENR 4.4		X	
MOPUK	REF ENR 4.4		X	
MOTAG	REF ENR 4.4		X	
RU401	48°34'14.2"N	003°51'26.4"W	X	
FRU22	48°42'58.8"N	003°40'19.0"W	X	
RW22	48°36'31.78"N	003°48'31.77"W	X	

**Données complémentaires à la page IAC DATA 01**

IDENTIFICATION	COORDONNEES	RNAV	CONV
MLX	48°38'48.1"N - 003°45'45.7"W	X	X
ARE	48°19'57.5"N - 003°36'08.9"W	X	
MOVEX IAF RNAV 04	48°23'04.0"N - 003°55'44.2"W	X	
MOBRU IAF/IF RNAV 04	48°26'16.6"N - 004°01'29.3"W	X	
MOKEB IAF RNAV 22	48°43'09.4"N - 003°18'28.0"W	X	
MOPUK IAF RNAV 22	48°42'51.6"N - 003°30'34.6"W	X	
MOTAG IAF RNAV 22	48°49'17.0"N - 003°42'09.3"W	X	
MOLOV IAF RNAV 22	48°46'04.4"N - 003°36'21.6"W	X	



**APPROCHE AUX INSTRUMENTS**

**MORLAIX PLOUJEAN**

Instrument approach

CAT A B C

**RNP RWY 22**

ALT AD : 277, **THR : 262 (10 hPa)**

APP : LANDI Approach/Approach 122.400 (L)(1) - IROISE Approach/Approach 119.575 (L)

TWR : NIL

AFIS : Info 118.500

Absence ATS : A/A FR seulement. Obtenir le QNH de BREST BRETAGNE auprès de LANDI APP ou IROISE APP

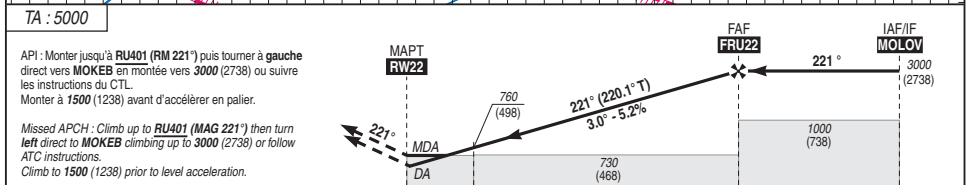
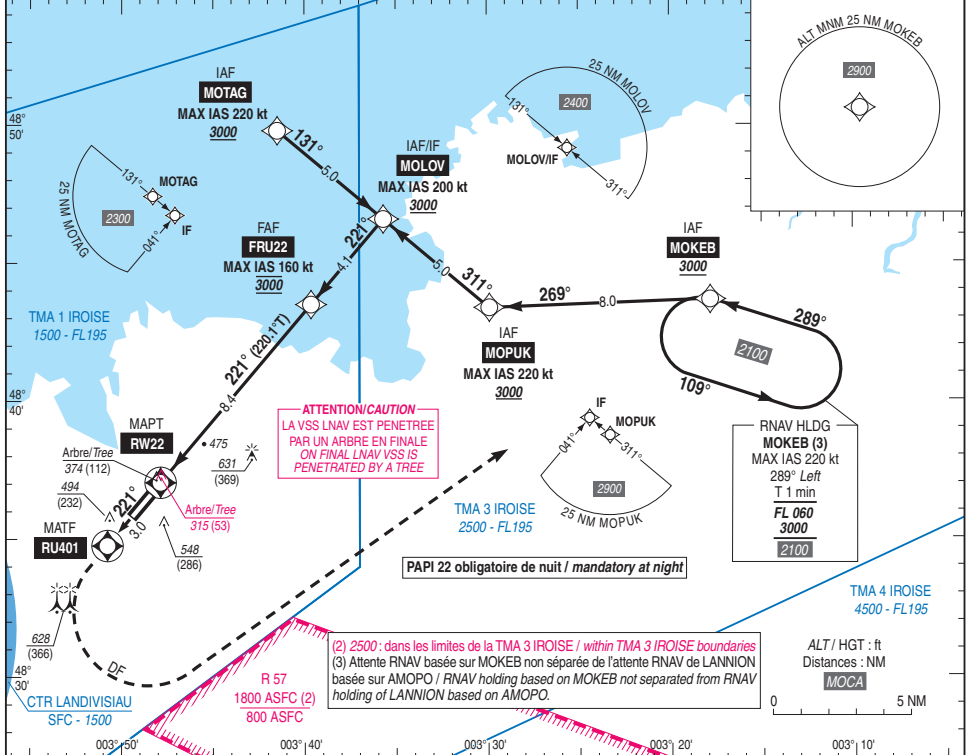
A/A FR only, Obtain BREST BRETAGNE QNH from LANDI APP or IROISE APP

(1) Pendant HOR APP LANDIVISIAU / During LANDIVISIAU APP SKED.

RNP APCH

EGNOS  
CH 62588  
E22A  
RDH : 50

VAR  
1°W  
(20)



THR : 262 (10 hPa) (NM) REF HGT : ALT THR

C.A.T.	LPV			LNAV			MVL / Circling		MVL / Circling Absence ATS HJ seulement/only		DIST RW22								
	DA (H)	RVR	OCH	MDA (H)	RVR	OCH	MDA (H)	VIS	MDA (H)	VIS	NM	1	2	3	4	5	6	7	8
A	520 (250)		241	670 (410)	1500		840 (580)	1500	950 (680)	1500	630	950	1270	1590	1910	2230	2550	2860	
B	530 (260)	1300	254	770 (500)	1500	358	840 (580)	1600	950 (680)	1600	(HGT) (368)	(688)	(1008)	(1328)	(1648)	(1968)	(2288)	(2598)	
C	540 (270)		262	870 (600)	2400		1180 (920)	2400	1290 (1030)	2400									

Observations / Remarks : Panne de guidage GNSS durant l'approche / Loss of GNSS guidance during approach : voir / see AIP ENR 1.5

FAF - MAPT	8.4 NM	70 kt	85 kt	100 kt	115 kt	130 kt	145 kt	160 kt
VSP (ft/min)		370	450	530	610	690	770	850

**MORLAIX PLOUJEAN  
PRECODING RNP RWY 22**

Identification Procedure		RNP RWY22						Dec. MAG 2020.94°W				
Leg sequence	Path Terminator	ID	Fly Over	Direction MAG °	Direction True °	Distance (NM or min)	Turn	MM level (FL or AMSL ft)	MAX level (FL or AMSL ft)	MAX IAS (kt)	vertical angle (°) / TCH (m)	Nav Spec
INA.MOKEB	IF	MOKEB						3000				RNP APCH
	TF	MOPUK		269	267.8	8.0				220		RNP APCH
	TF	MOLOV		311	310.0	5.0		3000		200		RNP APCH
INA.MOTAG	IF	MOTAG						3000		220		RNP APCH
	TF	MOLOV		131	130.0	5.0		3000		200		RNP APCH
INA.MOPIUK	IF	MOPUK						3000		220		RNP APCH
	TF	MOLOV		311	310.0	5.0		3000		200		RNP APCH
	IF	MOLOV						3000		200		RNP APCH
APCH	TF	FRU22		221	220.2	4.1		3000	3000	160		RNP APCH
	TF	RW22	Yes	221	220.1	8.4					-3 / 15	RNP APCH
	TF	RU401	Yes	221	220.1	3.0						RNP APCH
	DF	MOKEB					L	3000				RNP APCH
HLDG	HMI	MOKEB		269	268.0	T 1 min	L	3000	FL060	220		RNP APCH

Input data

Operation Type	0
SBAS Provider	1
Airport Identifier	LFRU
Runway	22
Runway Direction	0
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E22A
LTP/FTP Latitude	483631.7810N
LTP/FTP Longitude	0034831.7700W
LTP/FTP Ellipsoidal Height (metres)	129.9
FPAP Latitude	483549.8020N
Delta FPAP Latitude (seconds)	-41.9790
FPAP Longitude	0034925.0530W
Delta FPAP Longitude (seconds)	-53.2830
Threshold Crossing Height	50.0
TCH Units Selector	0
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	80
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 15 12 06 0C 16 00 00 01 32 32 05 4A 53 DC 14 CC 8C 5D FE 13 19 0A B8 FE BA 5F FE F4 01 2C 01 64 0A C8 FA 8E F2 16 06
Calculated CRC Value	8EF21606

Required Additional Data

ICAO Code	LF
LTP/FTP Orthometric Height (metres)	79.9
FPAP Orthometric Height (metres)	79.9





**APPROCHE AUX INSTRUMENTS**

**MORLAIX PLOUJEAN**

Instrument approach  
CAT A B C

RNP RWY 04

ALT AD : 277 , DTHR : 250 (9hPa)

APP : LANDI Approch/Approach 122.400 (L)(1) - IROISE Approch/Approach 119.575 (L)

TRW : NIL

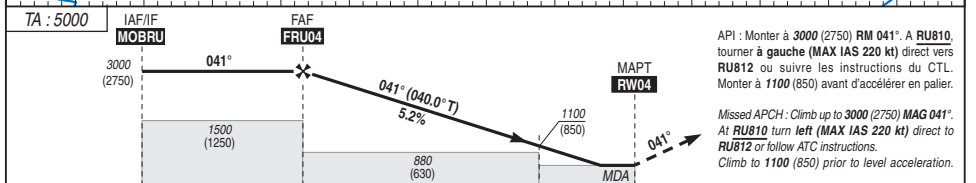
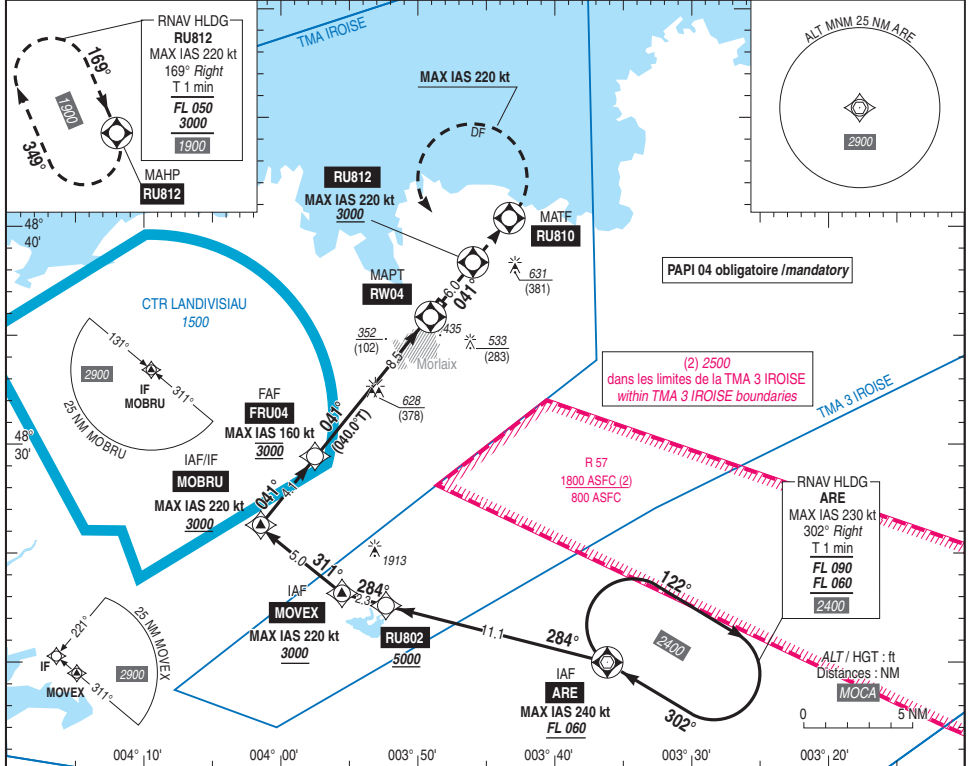
AFIS : MORLAIX Information 118.500

Absence ATS : AIA FR seulement. Obtenir le QNH de BREST BRETAGNE auprès de LANDI APP ou IROISE APP

AIA FR only. Obtain BREST BRETAGNE QNH from LANDI APP or IROISE APP

(1) Pendant HOR APP LANDIVISIAU / During LANDIVISIAU APP SKED.

RNP APCH  
VAR  
1°W  
(20)



API : Monter à 3000 (2750) RM 041°. A **RU810**, tourner à gauche (MAX IAS 220 kt) direct vers **RU812** ou suivre les instructions du CTL. Monter à 1100 (850) avant d'accélérer en palier.  
Missed APCH : Climb up to 3000 (2750) **MAG 041°**. At **RU810** turn left (MAX IAS 220 kt) direct to **RU812** or follow ATC instructions. Climb to 1100 (850) prior to level acceleration.

MNMM AD : distances verticales en pieds, RVR et VIS en mètres / vertical distances in feet, RVR and VIS in metres. REF HGT : ALT DTHR

CAT	LNAV (3)	MVL / Circling			MVL / Circling Sans QNH local Without local QNH			DIST RW04								
		MDA (H)	RVR	OCH	MDA (H)	VIS	MDA (H)	VIS	NM	8	7	6	5	4	3	2
A		1500			840 (590)	1500	950 (700)	1500		2850	2530	2210	1890	1570	1260	940
B		1500	398		840 (590)	1600	950 (700)	1600		(2600)	(2280)	(1960)	(1640)	(1320)	(1010)	(690)
C		1800			1180 (930)	2400	1290 (1040)	2400								

Observations / Remarks : (3) PAPI U/S : procédure inutilisable / procedure unavailable.  
Panne de guidage GNSS durant l'approche / Loss of GNSS guidance during approach : voir / see AIP ENR 1.5

	FAF - MAPT	8.5 NM	70 kt	85 kt	100 kt	115 kt	130 kt	145 kt	160 kt
VSP (ft/min)		370	450	530	610	690	770	850	

**MORLAIX PLOUJEAN  
PRECODING RNP RWY 04**

Identification procedure		RNP RWY04				MAG VAR 2020		0.94°W		Ref NAVAID : ARE		
Leg sequence	Path Terminator	Waypoint Identification	Fly Over	Direction MAG (°)	Direction True (°)	Distance (NM)	Turn direction	MINM Altitude (FL or AMSL ft)	MAX Altitude (FL or AMSL ft)	MAX IAS (kt)	Vertical angle (°) / TCH (m)	Nav. Spec
INA MOVEX	IF	MOVEX						3000		220		RNP APCH
	TF	MOBRU		311	310.0	5.0				220		RNP APCH
	IF	ARE						FL060		240		RNP APCH
INA ARE	TF	RU802		284	283.5	11.1		5000				RNP APCH
	TF	MOVEX		284	283.3	2.3						RNP APCH
	TF	MOBRU		311	310.0	5.0		3000		220		RNP APCH
	IF	MOBRU						3000		220		RNP APCH
APCH	TF	FRU04		41	39.9	4.1		3000	3000	160		RNP APCH
	TF	RW04	YES	41	40.0	8.5					-3.0 / 15	RNP APCH
	CF	RU810	YES	41	40.1	6						RNP APCH
	DF	RU812					L	3000		220		RNP APCH
HLDG	HM	RU812	YES	169	168.0	T 1 min	R	3000	FL060	220		RNAV1
	HM	ARE	YES	302	300.8	T 1 min	R	FL060	FL060	230		RNAV1