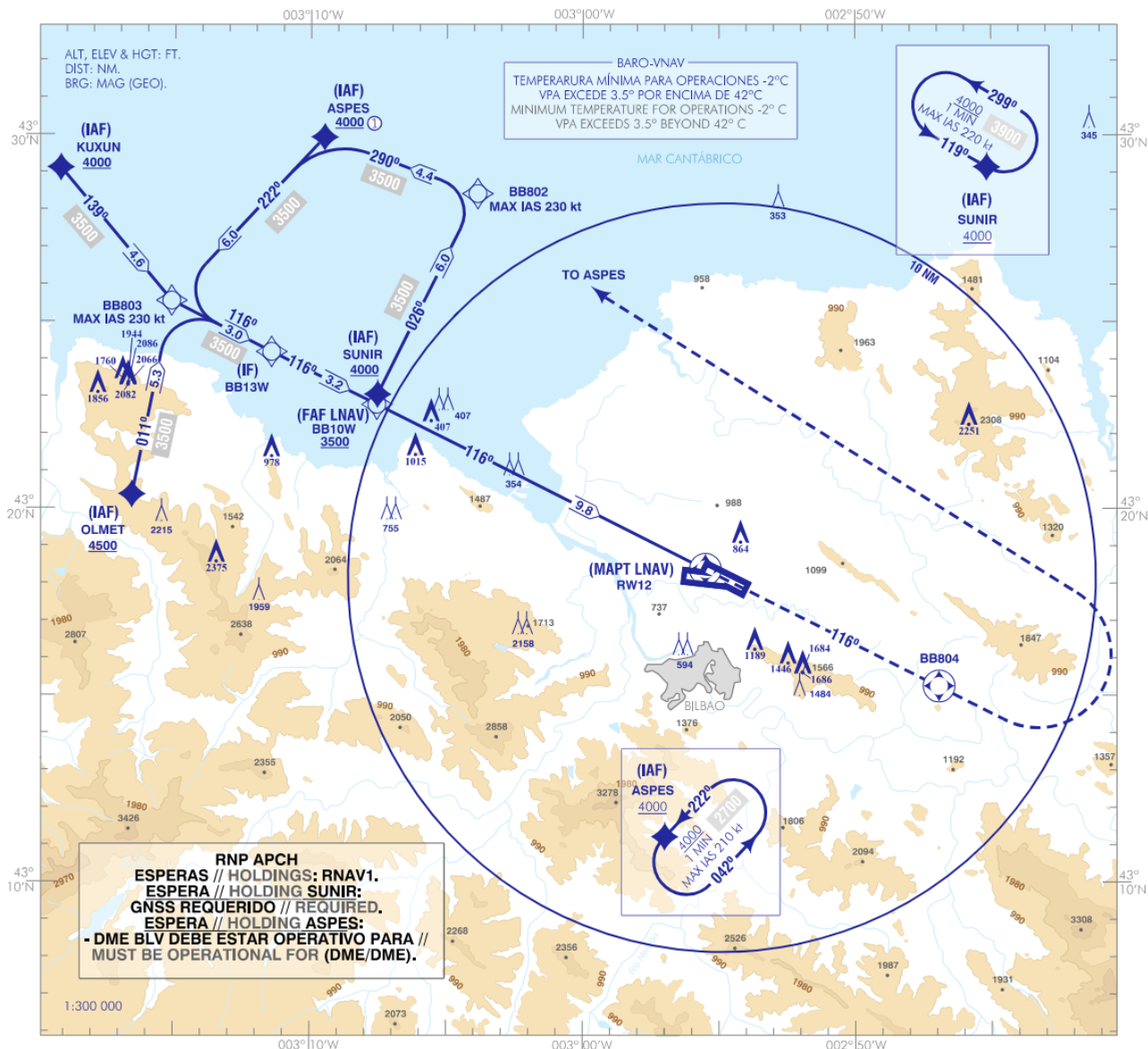


CARTA DE APROXIMACIÓN
POR INSTRUMENTOS-OACI

ELEV AD
136 ft
VAR 1°E (2025)

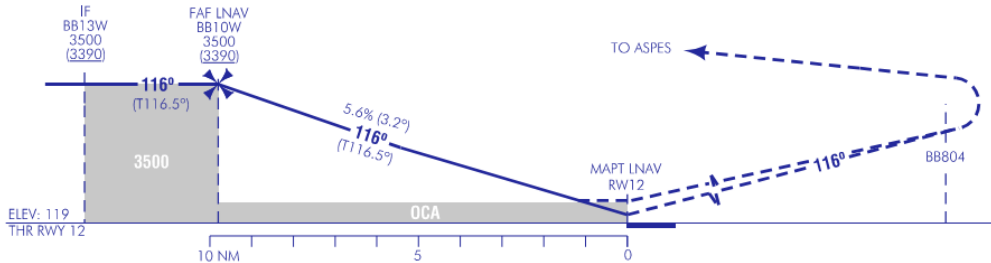
APP 127.450 MHz
TWR 118.500 MHz
GMC 121.705 C
ATIS 118.830 C

BILBAO
RNP Y
RWY 12



FRUSTRADA: SUBIR EN CURSO MAGNÉTICO 116° HASTA BB804, VIRAR A LA IZQUIERDA DIRECTO A ASPES A 4000 O SUPERIOR E INCORPORARSE A LA ESPERA.
MISSED APCH: CLIMB ON MAGNETIC COURSE 116° TO BB804, TURN LEFT DIRECT TO ASPES AT 4000 OR ABOVE AND JOIN THE HOLDING.

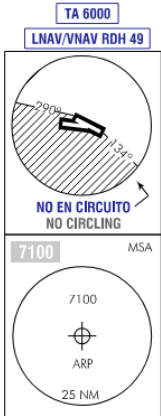
NOTAS:
① ALTITUD SOLO PARA APROXIMACIÓN DESDE ASPES.
NOTES:
① ALTITUDE ONLY FOR APPROACH FROM ASPES.



NO OFZ RWY 12
HGT REF ELEV THR RWY 12

STA	OCA/H		A				B				C				D			
			1400 (1280)				1240 (1130)				1050 (940)				880 (770)			
En circuito (H) sobre Circling (H) over	LNAV	2.5%	980 (870)				990 (880)				1050 (940)				880 (770)			
	LNAV	5.0%	830 (720)				830 (720)				880 (770)				880 (770)			
	VNAV	2.5%	980 (870)				990 (880)				1050 (940)				880 (770)			
	VNAV	5.0%	830 (720)				830 (720)				880 (770)				880 (770)			

GS	kt	80	100	120	140	160	180
FAF-THR: 9.8 NM	mins	7:23	5:54	4:55	4:13	3:42	3:17
FAF-MAPT:	mins						
ROD: 5.6 %	ft/min	451	564	677	789	902	1015
ALT/HGT RW12 FNA							
13	12	11	10	9	8	7	6
				3220 (3100)	2880 (2760)	2540 (2420)	2200 (2080)



NEW CHART

CHANGES:

AERONAUTICAL DATABASE REQUIREMENTS

INSTRUMENT APPROACH PROCEDURES

RNP Y (LPV ONLY) RWY 12

WAYPOINTS COORDINATES

WPT	COORD
ASPES (IAF)	4329563N 0030929.7W
BB10W (FAF)	432247.2N 0030733.9W
BB13W (IF)	432411.6N 0031126.1W
BB802	432825.8N 0030352.0W
BB803	432533.5N 0031506.7W
BB804	431514.2N 0024656.1W
KUXUN (IAF)	432907.0N 0031911.3W
OLMET (IAF)	432022.6N 0031633.0W
RW12 (MAPt)	431822.8N 0025529.8W
SUNIR (IAF)	432303.5N 0030732.3W
Non-precision final approach (LNAV) - Slope (Descent angle)	5.57% (3.19°)
APV Baro final approach (LNAV/VNAV) - Slope (Descent angle)	5.57% (3.19°)

CRITICAL DME

FACILITY (ID)	FREQ/CH	COORD
BILBAO (BLV)	117.65 MH CH 123Y	431815.4945N 0025530.9468W

PROCEDURE TABULAR DESCRIPTION

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
ASPES (IAF)											
001	IF	ASPES	-	-	-0.7	-	-	+4000	-	-	RNP APCH
002	TF	BB803	-	222 (223.1)	-0.7	6.0	-	-	-230	-	RNP APCH
003	TF	BB13W	-	116 (117.0)	-0.7	3.0	-	-	-	-	RNP APCH
004	TF	BB10W	-	116 (116.5)	-0.7	3.2	-	+3500	-	-	RNP APCH
005	TF	RW12	Y	116 (116.5)	-0.7	9.8	-	+169	-	-3.2 / 49	RNP APCH
006	CF	BB804	Y	116 (116.6)	-0.7	-	-	-	-	-	RNP APCH
007	DF	ASPES	-	-	-0.7	-	L	+4000	-	-	RNP APCH

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
KUXUN (IAF)											
001	IF	KUXUN	-	-	-0.7	-	-	+4000	-	-	RNP APCH
002	TF	BB803	-	139 (140.1)	-0.7	4.6	-	-	-230	-	RNP APCH
003	TF	BB13W	-	116 (117.0)	-0.7	3.0	-	-	-	-	RNP APCH

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
004	TF	BB10W	-	116 (116.5)	-0.7	3.2	-	+3500	-	-	RNP APCH
005	TF	RW12	Y	116 (116.5)	-0.7	9.8	-	+169	-	-3.2 / 49	RNP APCH
006	CF	BB804	Y	116 (116.6)	-0.7	-	-	-	-	-	RNP APCH
007	DF	ASPES	-	-	-0.7	-	L	+4000	-	-	RNP APCH

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
OLMET (IAF)											
001	IF	OLMET	-	-	-0.7	-	-	+4500	-	-	RNP APCH
002	TF	BB803	-	011 (011.4)	-0.7	5.3	-	-	-230	-	RNP APCH
003	TF	BB13W	-	116 (117.0)	-0.7	3.0	-	-	-	-	RNP APCH
004	TF	BB10W	-	116 (116.5)	-0.7	3.2	-	+3500	-	-	RNP APCH
005	TF	RW12	Y	116 (116.5)	-0.7	9.8	-	+169	-	-3.2 / 49	RNP APCH
006	CF	BB804	Y	116 (116.6)	-0.7	-	-	-	-	-	RNP APCH
007	DF	ASPES	-	-	-0.7	-	L	+4000	-	-	RNP APCH

Serial number	Path Terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Navegation specification
SUNIR (IAF)											
001	IF	SUNIR	-	-	-0.7	-	-	+4000	-	-	RNP APCH
002	TF	BB802	-	026 (026.5)	-0.7	6.0	-	-	-230	-	RNP APCH
003	TF	ASPES	-	290 (290.2)	-0.7	4.4	-	-	-	-	RNP APCH
004	TF	BB803	-	222 (223.1)	-0.7	6.0	-	-	-	-	RNP APCH
005	TF	BB13W	-	116 (117.0)	-0.7	3.0	-	-	-	-	RNP APCH
006	TF	BB10W	-	116 (116.5)	-0.7	3.2	-	+3500	-	-	RNP APCH
007	TF	RW12	Y	116 (116.5)	-0.7	9.8	-	+169	-	-3.2 / 49	RNP APCH
008	CF	BB804	Y	116 (116.6)	-0.7	-	-	-	-	-	RNP APCH
009	DF	ASPES	-	-	-0.7	-	L	+4000	-	-	RNP APCH

HOLDING PATTERN

Path terminator	Waypoint identifier	Course/Track °M (°T)	Magnetic variation	Distance (NM)	Turn direction	MNM altitude (ft)	MAX altitude (ft)	Speed (kt)	Navigation specification
HM	ASPES (1)	222 (223.1)	-0.7	3.8	L	4000	-	-210	RNAV 1
HM	SUNIR (2)	119 (119.7)	-0.7	4.0L	4000	-	-220	RNAV 1	
(1) GNSS or (DME/DME) require; - DME BLV must be operational for (DME/DME). (2) GNSS required.									