



WAYPOINTS COORDINATES

WPT	COORD
ASPES	432956.3N 0030929.7W
BB800	430611.0N 0031008.9W
BLV	431815.1N 0025531.3W
DGO	422711.9N 0025250.5W
DOSUL	434050.0N 0031900.0W
ICASO	431833.6N 0021928.3W
KUXUN	432907.0N 0031911.3W
MAPAX	434101.5N 0030238.7W
OLMET	432022.6N 0031633.0W
PPN	424401.5N 0014207.2W
SNR	432659.2N 0035408.7W
SSN	431840.3N 0014949.4W
SUNIR	432303.5N 0030732.3W

CRITICAL DME

FACILITY (ID)	FREQ/CH	COORD
BILBAO (BLV)	117.650 MHz CH 123Y	431815.4945N 0025530.9468W
SAN SEBASTIAN (HIG)	113.200 MHz CH 79X	432310.6285N 0014744.7441W
SANTANDER (SNR)	115.30 MHz CH 100X	432659.6624N 0035408.3091W
VITORIA (VRA)	116.60 MHz CH 113X	424354.7770N 0025156.0984W

STANDARD INSTRUMENT ARRIVALS (STAR)

RUNWAY 12

NOTES APPLICABLE TO ALL STAR:

- RNAV1.
- SPEED CONTROL:
 - MAX IAS 250 kt below FL100

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
DGO1V GNSS or (DME/DME) or (DME/DME/IRU) required; - DME BLV, HIG must be operational for (DME/DME). - DME BLV must be operational for (DME/DME/IRU).											
001	IF	DGO	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	BLV	-	357 (357.8)	-0.7	51.1	-	+6000	-	-	RNAV1
003	TF	ASPES	-	318 (319.0)	-0.7	15.5	-	+4000	-	-	RNAV1

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DGO3W GNSS required;											
001	IF	DGO	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	BB800	-	341 (342.0)	-0.7	41.0	-	+5800	-	-	RNAV1
003	TF	OLMET	-	341 (341.8)	-0.7	14.9	-	+4500	-	-	RNAV1
004	TF	SUNIR	-	067 (067.8)	-0.7	7.1	-	+4000	-	-	RNAV1

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DGO3Z GNSS or (DME/DME/IRU) required; - DME SNR must be operational for (DME/DME/IRU).											
001	IF	DGO	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	BB800	-	341 (342.0)	-0.7	41.0	-	+5800	-	-	RNAV1
003	TF	OLMET	-	341 (341.8)	-0.7	14.9	-	+4500	-	-	RNAV1

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DOSUL4T GNSS or (DME/DME) required; - DME BLV must be operational for (DME/DME).											
001	IF	DOSUL	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	ASPES	-	147 (147.6)	-0.7	12.9	-	+4000	-	-	RNAV1

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MAPAX4T GNSS or (DME/DME) required; - DME BLV must be operational for (DME/DME).											
001	IF	MAPAX	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	ASPES	-	204 (204.2)	-0.7	12.2	-	+4000	-	-	RNAV1

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SNR5T GNSS required.											
001	IF	SNR	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	KUXUN	-	084 (085.0)	-0.7	25.5	-	+4000	-	-	RNAV1

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SNR2W GNSS required.											
001	IF	SNR	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	KUXUN	-	084 (085.0)	-0.7	25.5	-	-	-	-	RNAV1
003	TF	SUNIR	-	125 (125.4)	-0.7	10.4	-	+4000	-	-	RNAV1

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SSN1V GNSS or (DME/DME/IRU) required; - DME BLV, VRA must be operational for (DME/DME/IRU).											
001	IF	SSN	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	ICASO	-	269 (269.9)	-0.7	21.7	-	+FL065	-	-	RNAV1
003	TF	ASPES	-	287 (287.6)	-0.7	38.2	-	+4000	-	-	RNAV1

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PPN1V GNSS or (DME/DME/IRU) required; - DME BLV, VRA must be operational for (DME/DME/IRU).											
001	IF	PPN	-	-	-0.7	-	-	+FL100	-	-	RNAV1
002	TF	ICASO	-	321 (321.8)	-0.7	44.1	-	+FL065	-	-	RNAV1
003	TF	ASPES	-	287 (287.6)	-0.7	38.2	-	+4000	-	-	RNAV1

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	RNAV1
HM	SUNIR (2)	119 (119.7)	-0.7	4.0	L	4000	-	-220	RNAV1
(1) GNSS or (DME/DME) required; - DME BLV must be operational for (DME/DME). (2) GNSS required;									