

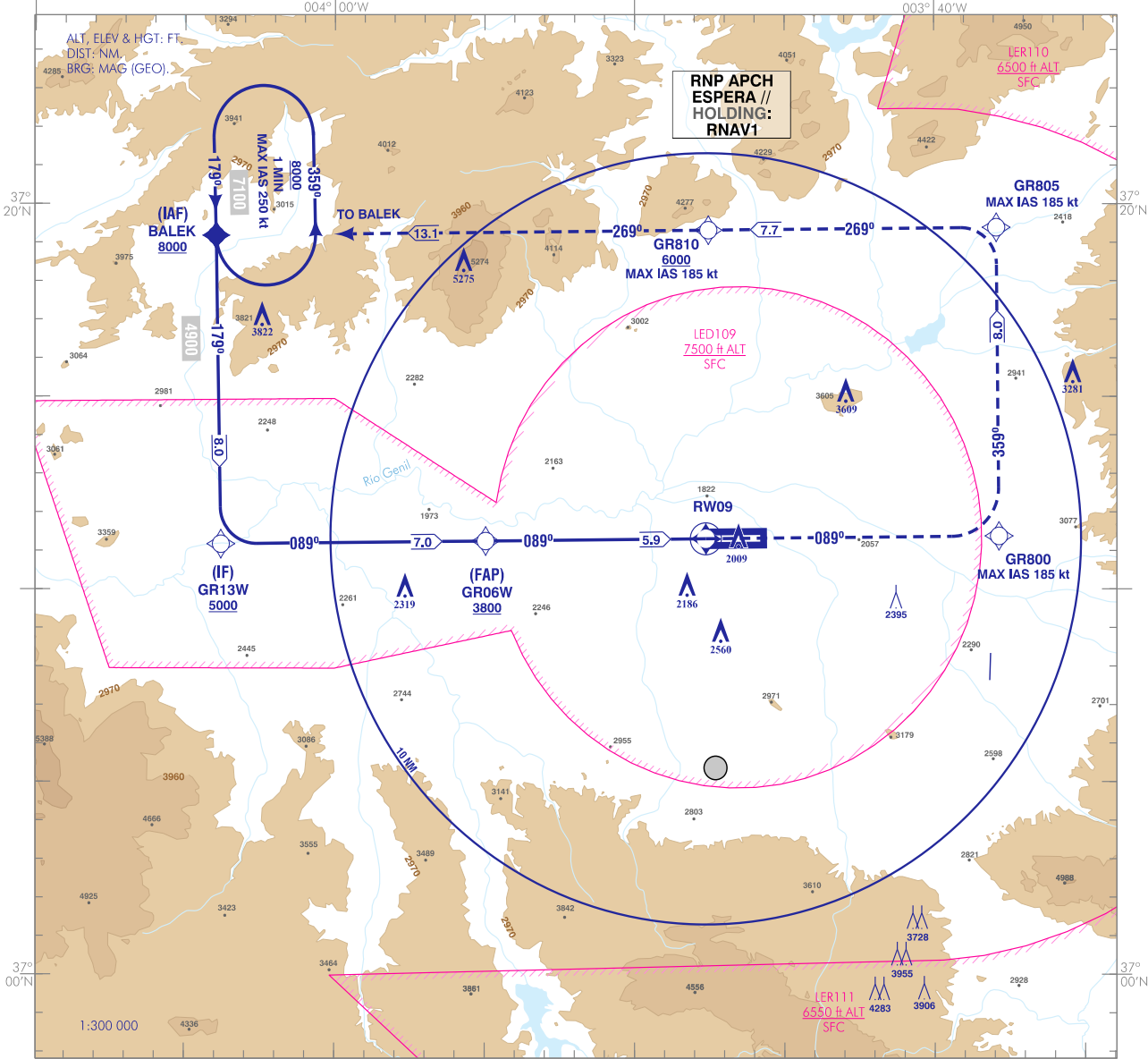
CARTA DE APROXIMACIÓN
POR INSTRUMENTOS-OACI

EGNOS
CH 56150
E09A

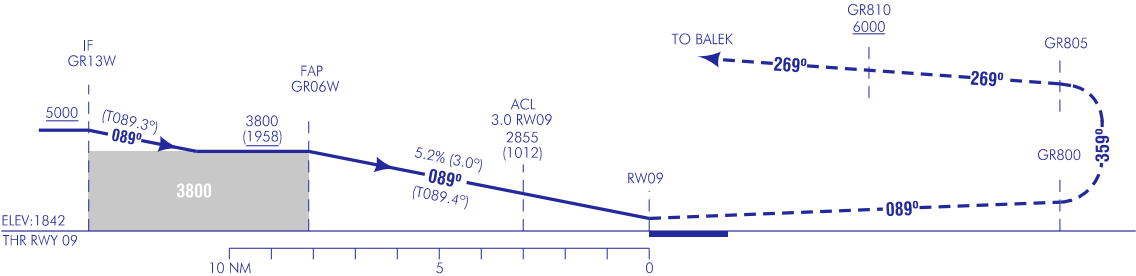
ELEV AD
1860 ft
VAR 0° (2025)

APP 118.855 C
TWR 118.855 C
GMC 121.930 C
ATIS 120.630 C

GRANADA/Federico García Lorca
Granada - Jaén
RNP Z
RWY 09 (LPV ONLY)



FRUSTRADA: SUBIR EN CURSO MAGNÉTICO 089° A GR800. VIRAR A LA IZQUIERDA (IAS MAX 185 kt) A GR805. VIRAR A LA IZQUIERDA (IAS MAX 185 kt) A GR810 A 6000 O SUPERIOR. A BALEK PARA INTEGRARSE A LA ESPERA A 8000 O SUPERIOR.
MISSED APCH: CLIMB ON MAGNETIC COURSE 089° TO GR800. TURN LEFT (MAX IAS 185 kt) TO GR805. TURN LEFT (MAX IAS 185 kt) TO GR810 TO 6000 OR ABOVE. TO BALEK TO JOIN THE HOLDING AT 8000 OR ABOVE.



NO OFZ RWY 09 HGT REF ELEV THR RWY 09						LPV RDH 49 TA 13000								
OCA/H			A	B	C	D	MSA							
STA	LPV (CAT I)	2.5%	2624 (782)	2636 (794)	2644 (802)	2655 (813)	13400 ARP 25 NM							
		3.0%	2287 (445)	2299 (457)	2307 (465)	2318 (476)								
		4.0%	2060 (218)	2071 (229)	2080 (238)	2090 (248)								
		En circuito (H) sobre Circling (H) over		1860	2630 (780)	2880 (1030)								
GS		kt	80	100	120	140	160	180						
FAP-THR: 5.9 NM		min:s	4:25	3:32	2:57	2:32	2:13	1:58						
FAF-MAPT:		min:s												
ROD: 5.2%		ft/min	425	531	637	743	849	955						
ALT/HGT RWY 09 FNA														
13	12	11	10	9	8	7	6	5	4	3	2	1		
								3510 (1670)	3180 (1340)	2860 (1020)				

AERONAUTICAL DATABASE REQUIREMENTS

INSTRUMENT APPROACH PROCEDURES

RNP Z RWY 09 (LPV ONLY)

WAYPOINTS COORDINATES

WPT	COORD
BALEK (IAF)	371911.1N 0040358.0W
GR13W (IF)	371110.5N 0040347.5W
GR06W (FAP)	371115.4N 0035500.0W
RW09 (LTP)	371119.0N 0034737.2W
GR800	371123.0N 0033750.6W
GR805	371923.6N 0033755.1W
GR810	371919.6N 0034732.0W
Precision final approach (SBAS Cat I) - Slope (Descent angle)	5.24% (3.00°)

NOTES APPLICABLE TO ALL APPROACHES:

- RNP APCH.

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)	Navigation specification
BALEK (IAF)											
001	IF	BALEK	-	-	-0.4	-	-	+8000	-	-	RNP APCH
002	TF	GR13W	-	179 (179.0)	-0.4	8.0	-	+5000	-	-	RNP APCH
003	TF	GR06W	-	089 (089.3)	-0.4	7.0	-	+3800	-	-	RNP APCH
004	TF	RW09	Y	089 (089.4)	-0.4	5.9	-	+1892	-	3.0/49	RNP APCH
005	CF	GR800	-	089 (089.5)	-0.4	-	-	-	-	-	RNP APCH
006	TF	GR805	-	359 (359.6)	-0.4	8.0	-	-	-	-	RNP APCH
007	TF	GR810	-	269 (269.6)	-0.4	7.7	-	+6000	-185	-	RNP APCH
008	TF	BALEK	-	269 (269.5)	-0.4	13.1	-	+8000	-	-	RNP APCH

HOLDING PATTERN

Path terminator	Waypoint identifier	Fly-over	Course/Track °M (°T)	Magnetic variation	Distance/ Outbound time	Turn direction	MNM altitude (ft)	MAX altitude (ft)	Speed (kt)	Navigation specification
HM	BALEK	-	179 (179.0)	-0.4	4.8	L	+8000	-	-250	RNAV1

SBAS LPV FAS DATA BLOCK

FAS DATA BLOCK		
1	OPERATION MODE	00
2	SERVICE PROVIDER IDENTIFIER	01*
3	AIRPORT IDENTIFIER	LEGR
4	RUNWAY	09

FAS DATA BLOCK		
5	APPROACH PERFORMANCE DESIGNATOR	0**
6	ROUTE INDICATOR	Z
7	REFERENCE PATH DATA SELECTOR (RPDS)	00
8	REFERENCE PATH IDENTIFIER	E09A***
9	LANDING THRESHOLD POINT (LTP) – LATITUDE	371119.0120N
10	LANDING THRESHOLD POINT (LTP) – LONGITUDE	0034737.2485W
11	LTP HEIGHT ABOVE ELLIPSOID (HAE)	+006098 (609.8 m)
12	FLIGHT PATH ALIGNMENT POINT (FPAP) – LATITUDE	371119.8850N
13	FLIGHT PATH ALIGNMENT POINT (FPAP) – LONGITUDE	0034539.6815W
14	THRESHOLD CROSSING HEIGHT (TCH)	15.0
15	TCH UNIT SELECTOR	1
16	GLIDE PATH ANGLE	03.00
17	COURSE WIDTH AT THRESHOLD	105.00
18	LENGTH OFFSET	0
19	HORIZONTAL ALERT LIMIT (HAL)	40.0
20	VERTICAL ALERT LIMIT (VAL)	35.0
21	PRECISION APPROACH PATH POINT CRC REMINDER	66C8886E
NON - FAS DATA BLOCK		
22	ICAO CODE	LE
23	LTP ORTHOMETRIC HEIGHT	+005616 (561.6 m)
NOTAS // NOTES:		
*: Este valor “01” identifica a EGNOS como proveedor de servicio. //This value “01” identifies EGNOS as service provider.		
**: LPV.		
***: “E” se refiere a EGNOS. // “E” refers to EGNOS.		