

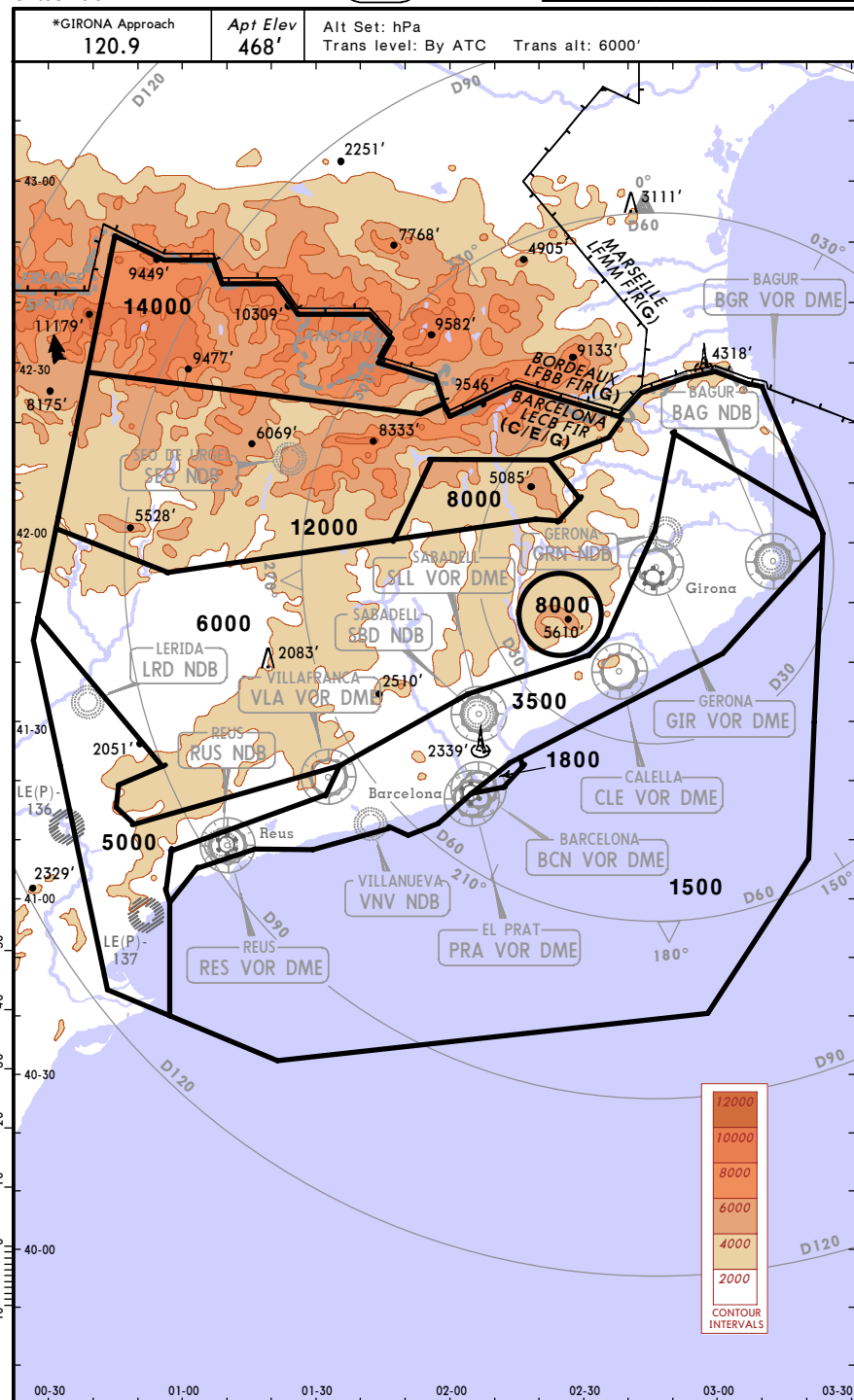
LEGE/GRO  
GIRONA

JEPPESEN

26 OCT 07 (10-1R)

GIRONA, SPAIN

RADAR MINIMUM ALTITUDES



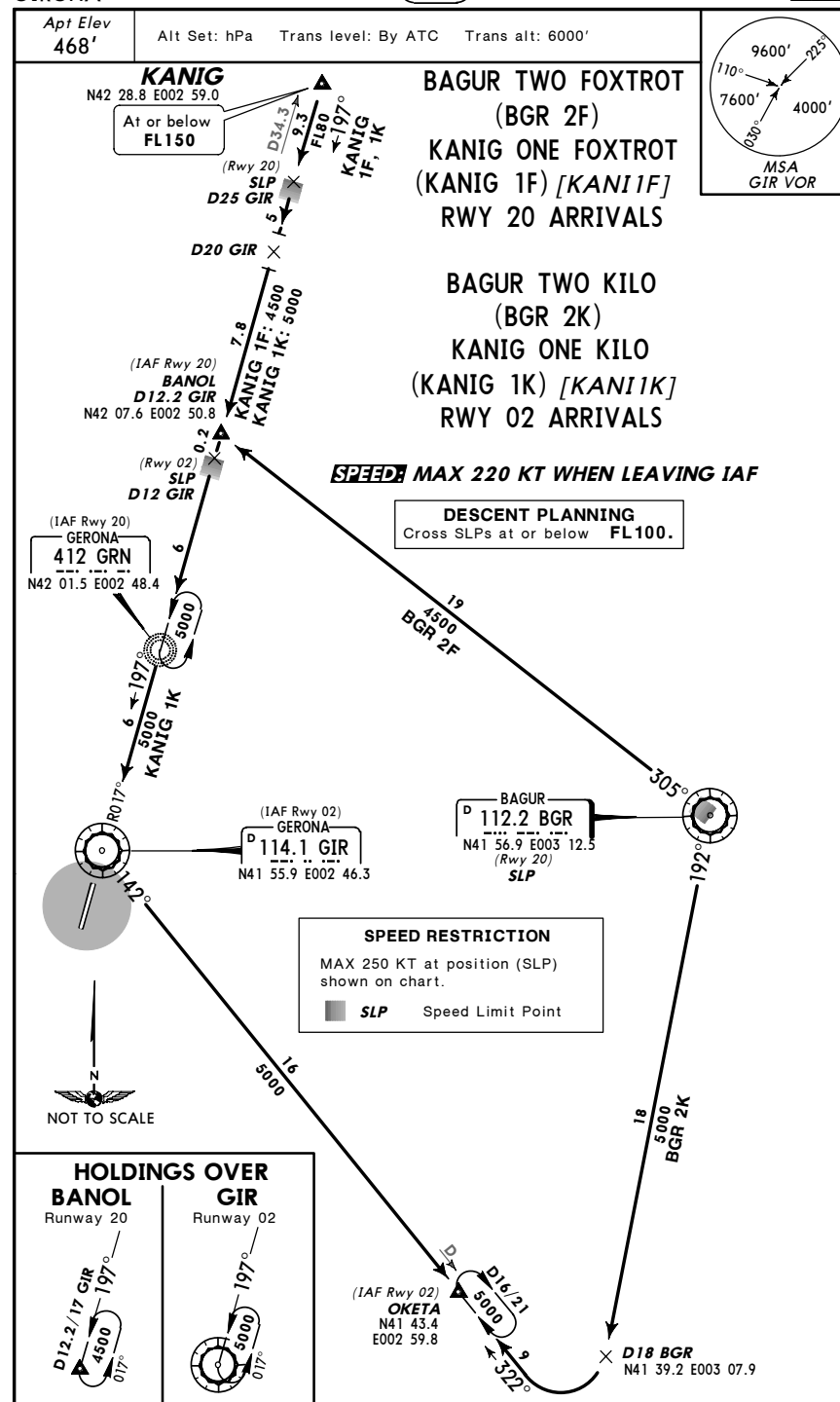
LEGE/GRO  
GIRONA

JEPPESEN

16 MAR 07 (10-2)

GIRONA, SPAIN

STAR



LEGE/GRO  
GIRONA

JEPPesen

16 MAR 07 (10-2A)

GIRONA, SPAIN

STAR

Apt Elev  
468'

Alt Set: hPa Trans level: By ATC Trans alt: 6000'

MAMUK ONE FOXTROT (MAMUK 1F) [MAMU1F]  
RWY 20 ARRIVAL

MAMUK ONE KILO (MAMUK 1K) [MAMU1K]  
RWY 02 ARRIVAL

**SPEED** MAX 220 KT WHEN LEAVING IAF

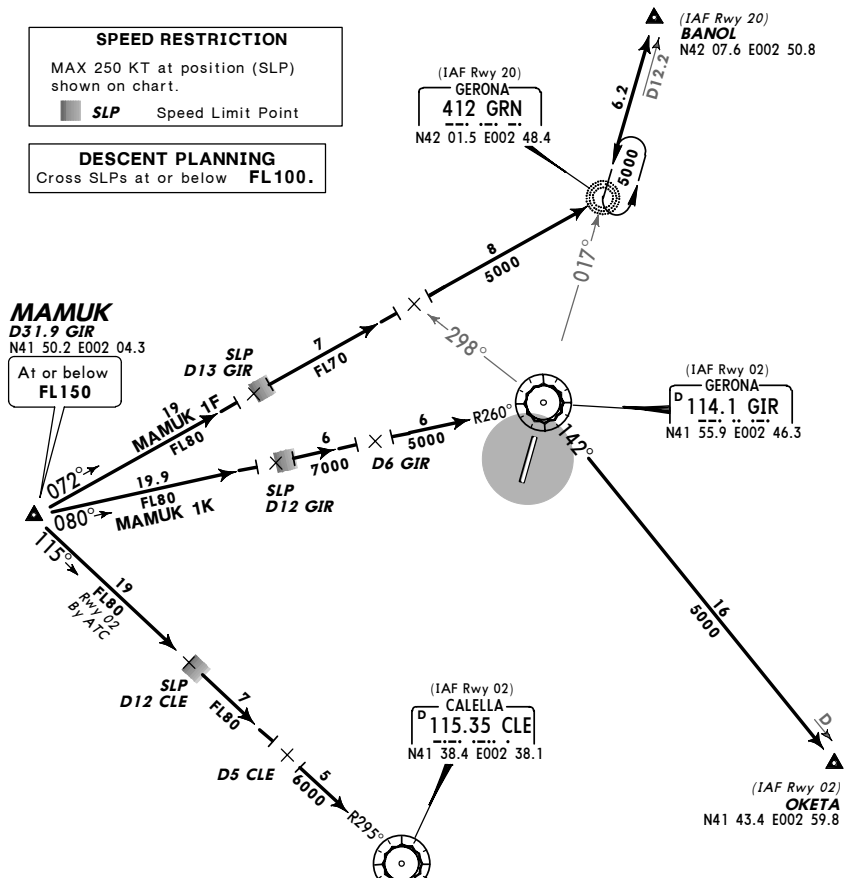
**SPEED RESTRICTION**

MAX 250 KT at position (SLP)  
shown on chart.

■ SLP Speed Limit Point

**DESCENT PLANNING**

Cross SLPs at or below **FL100.**



**HOLDINGS OVER**

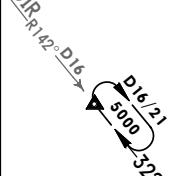
**BANOL**  
Runway 20



**GIR**  
Runway 02



**OKETA**  
Runway 02



NOT TO SCALE

LEGE/GRO  
GIRONA

JEPPesen

14 OCT 05 (10-2B) Eff 27 Oct

GIRONA, SPAIN

STAR

Apt Elev  
468'

Alt Set: hPa Trans level: By ATC Trans alt: 6000'

SABADELL ONE FOXTROT (SLL 1F)  
RWY 20 ARRIVAL

SABADELL ONE KILO (SLL 1K)  
RWY 02 ARRIVAL

**SPEED** MAX 220 KT WHEN LEAVING IAF

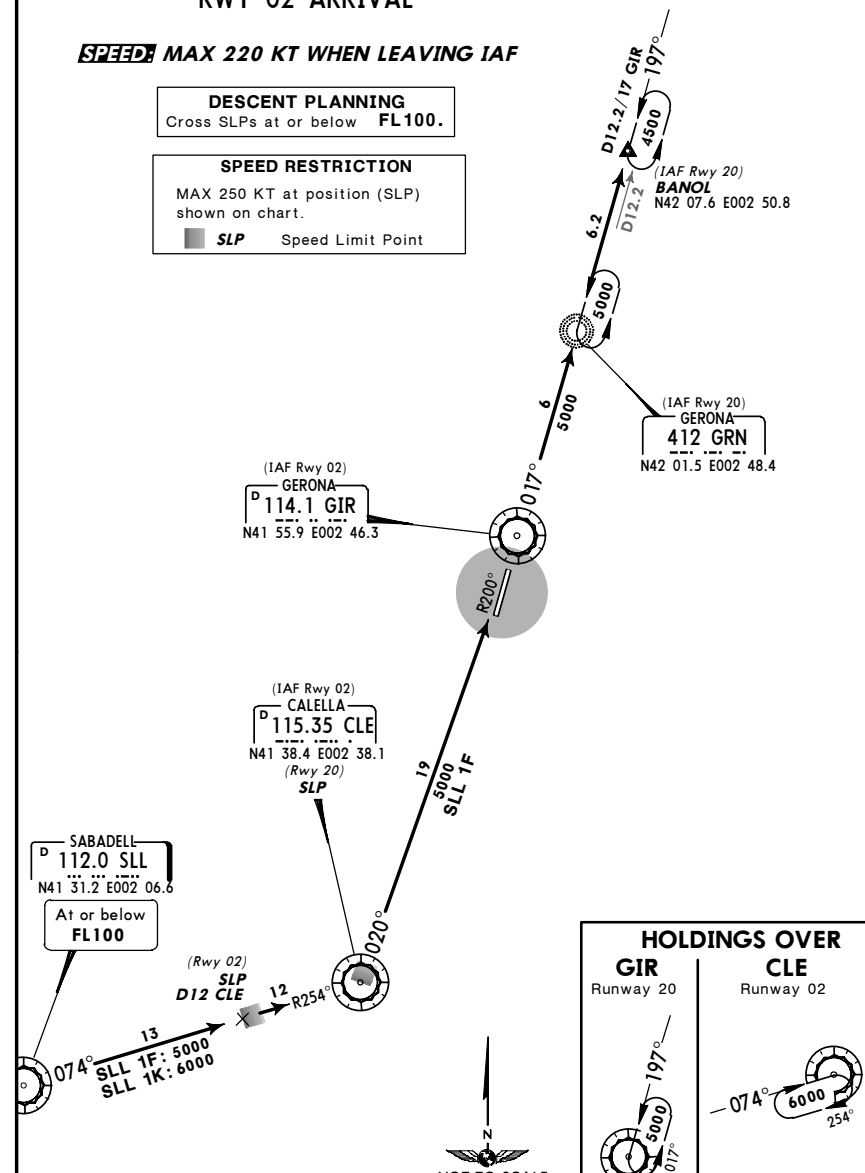
**DESCENT PLANNING**

Cross SLPs at or below **FL100.**

**SPEED RESTRICTION**

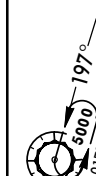
MAX 250 KT at position (SLP)  
shown on chart.

■ SLP Speed Limit Point

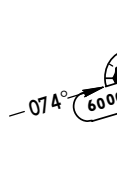


**HOLDINGS OVER**

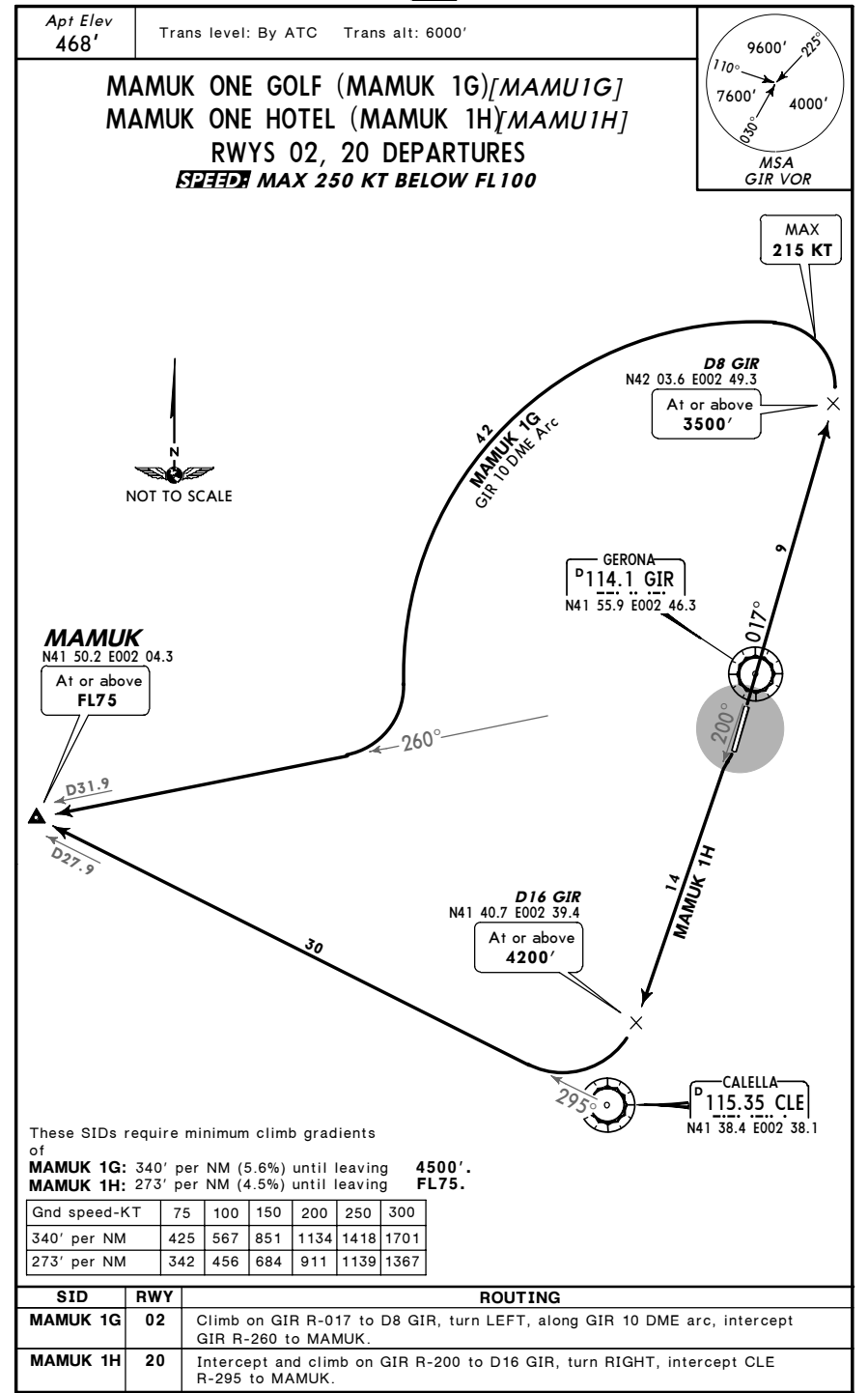
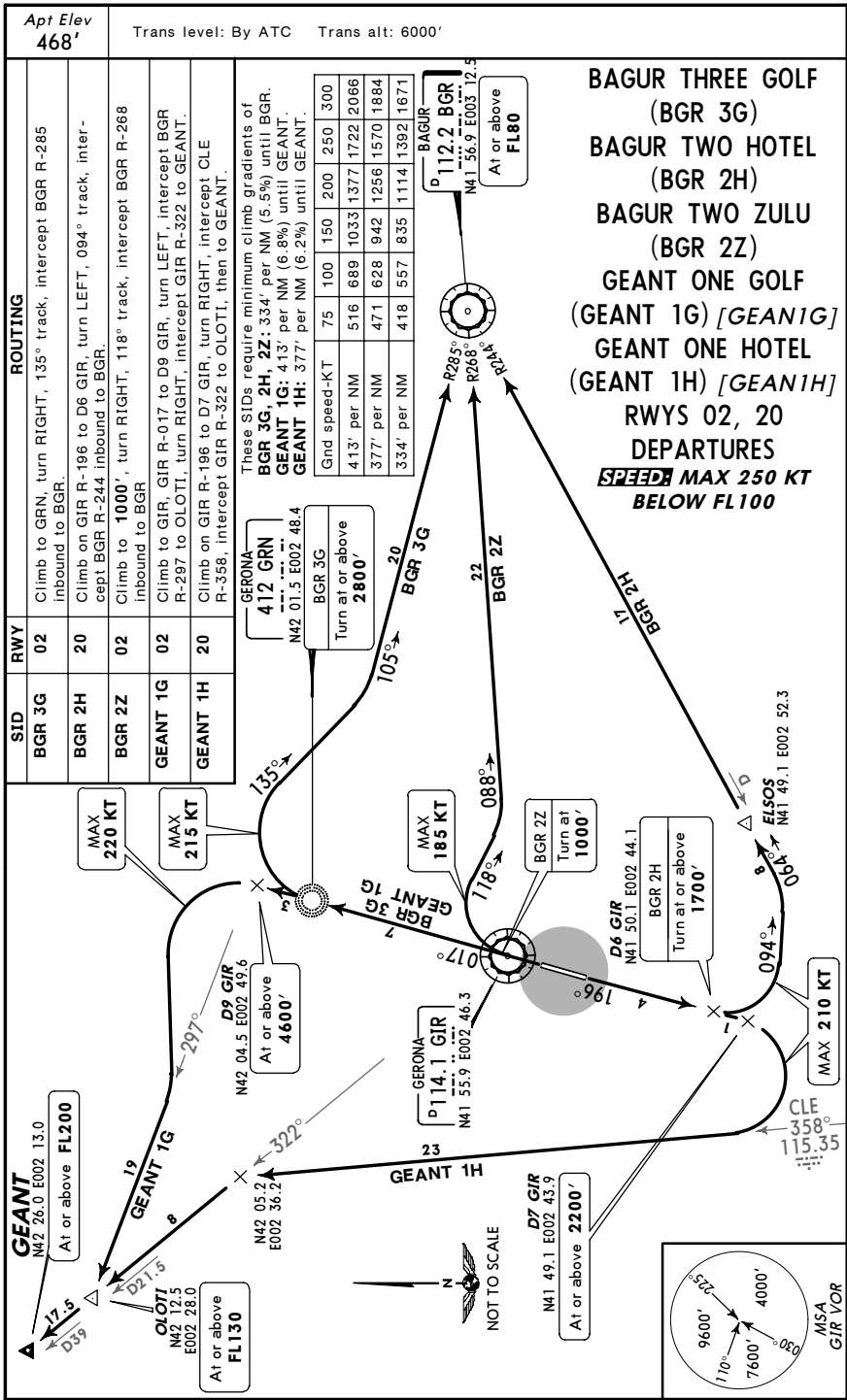
**GIR**  
Runway 20



**CLE**  
Runway 02



NOT TO SCALE



LEGE/GRO

Apt Elev 468'  
N41 54.1 E002 45.6

JEPPESEN

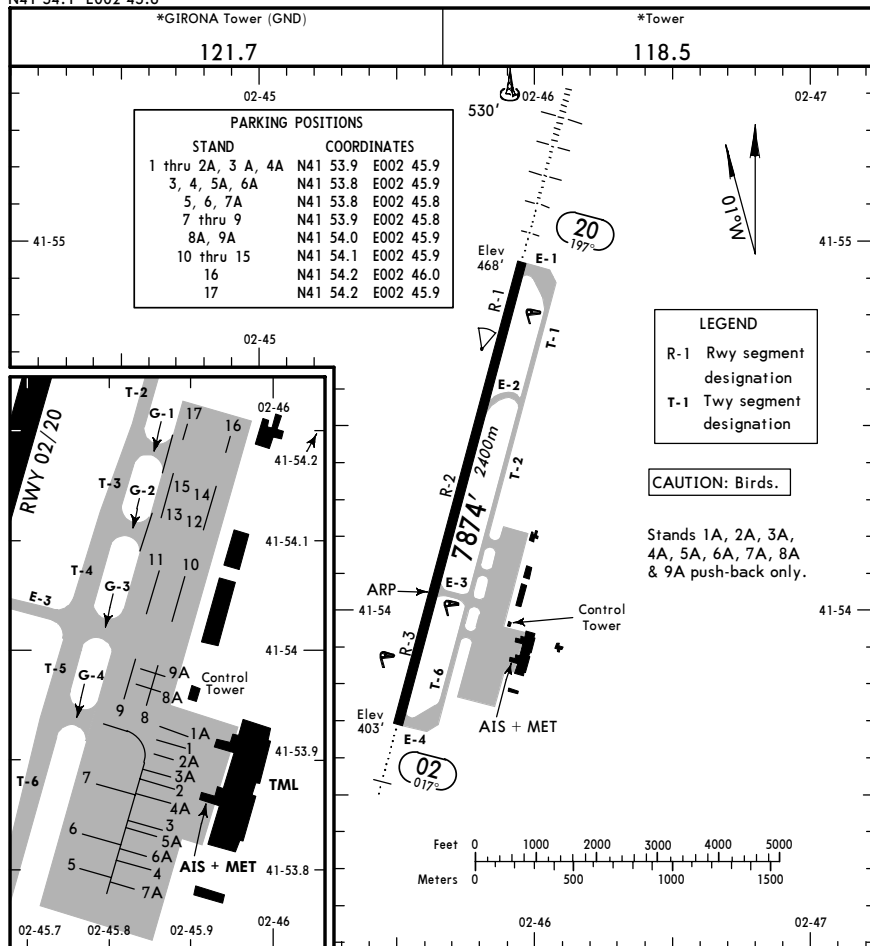
10 NOV 06

(10-9)

Eff 23 Nov

GIRONA, SPAIN

GIRONA



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS		TAKE-OFF	WIDTH
		Threshold	Glide Slope		
02	HIRL (50m) ALS REIL PAPI (angle 3.0°)				148'
20	HIRL (50m) HIALS REIL PAPI (angle 3.0°) RVR		6841' 2085m		45m

JAR-OPS

TAKE-OFF 1

All Rws

	LVP must be in Force	RCLM (DAY only) or RL	
			NIL (DAY only)
A			
B	250m	400m	500m
C			
D	300m		

1 Operators applying U.S. Ops Specs: CL required below 300m.

CHANGES: Rwy segment and twy designations.

© JEPPESEN SANDERSON, INC., 1999, 2006. ALL RIGHTS RESERVED.

LEGE/GRO

10 NOV 06

(10-9A)

Eff 23 Nov

GIRONA, SPAIN

GIRONA

LOW VISIBILITY PROCEDURES

GENERAL

Low visibility take-offs are authorized from rwy 02/20.

LVP will be applied when RVR to runway 20 and general VIS in the movement area to runway 02 (or also to runway 20 if RVR is out) is 600m or below.

LVP will be finished when RVR is above 800m and the tendency of the situation is to improve.

The maximum switch-over time (light) is 15 seconds for all lighting systems.

GROUND MOVEMENT

Except otherwise instructed by ATC, acft will exit apron via twys specified as follows:

- Rwy 02: via twy G-4, continue by twy T-6 until the taxi holding point.
- Rwy 20: via twy G-4, continue by twy T-5 to T-1 until the taxi holding point.

Only the movement of one acft will be authorized at the same time in the manoeuvring area. Acft will be guided when RVR is below 150m.

ARRIVALS:

Acft that have landed will report:

- "Runway vacated" and
- Exit taxiway used.

At the apron entry, acft must wait for the arrival of a "Follow Me" vehicle in order to be guided to the assigned stand.

While LVP will be activated, the use of stands 5 thru 7 and 10 thru 17 will be restricted.

DEPARTURE:

When RVR is lower than 600m, the movements of acft will be reduced to one at a time.

Pilots will proceed to verify the acft position at all times, checking that taxiing is being executed under total safety conditions. In case of being disoriented or in doubt, pilots will stop the acft and will immediately notify Tower.

COMMUNICATION FAILURE

Whenever an aircraft operating in the manoeuvring area experiences a communication failure, it will comply as follows:

Arriving acft will hold position by leaving the vacated runway and wait for the arrival of a "Follow Me" vehicle in order to be guided to the assigned stand.

Departing acft will continue by the assigned route to its clearance limit, taking extreme caution to avoid detours. Once that point has been reached, acft must maintain the position and wait for the arrival of a "Follow Me" vehicle in order to be guided to the stand or the holding points assigned.

CHANGES: General. Ground movement.

© JEPPESEN SANDERSON, INC., 2006. ALL RIGHTS RESERVED.

LEGE/GRO  
GIRONA

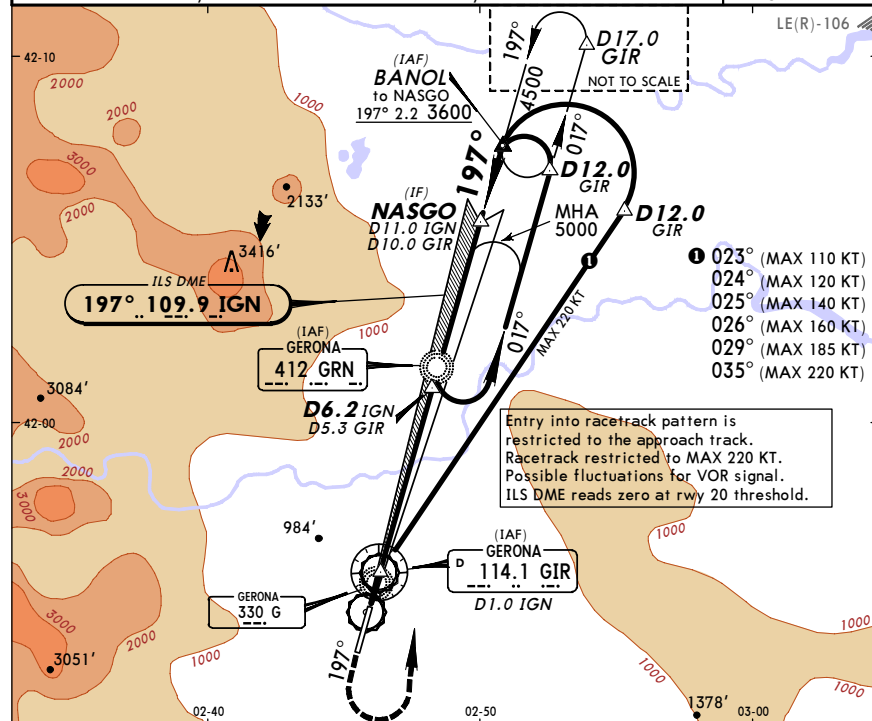
JEPPesen  
14 OCT 05 (11-1) Eff 27 Oct

GIRONA, SPAIN  
ILS Rwy 20

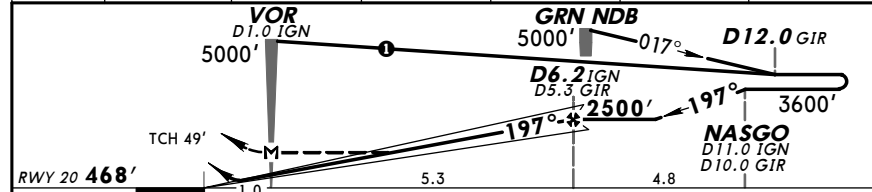
*GIRONA Approach 120.9		*GIRONA Tower 118.5		*Ground 121.7	
LOC IGN	Final Apch Crs	GS D6.2 IGN	ILS DA(H) Refer to Minimums	Apt Elev	468'
109.9	197°	2500' (2032')		RWY	468'

MISSED APCH: Climb on 197° to 3500', then turn LEFT to GRN NDB climbing to 5000' and hold. Do not turn before passing MAP.

Alt Set: hPa Rwy Elev: 17 hPa Trans level: By ATC Trans alt: 6000'



LOC (GS out)	IGN DME ALTITUDE	2.0 1160'	3.0 1480'	4.0 1800'	5.0 2110'	6.0 2430'
-----------------	---------------------	--------------	--------------	--------------	--------------	--------------



Gnd speed-Kts	70	90	100	120	140	160
ILS GS 3.00° or LOC Descent Gradient 5.2%	377	485	539	647	755	862
MAP at VOR/D1.0 IGN						

JAR-OPS		STRAIGHT-IN LANDING RWY 20		CIRCLE-TO-LAND	
DA(H)		A: 690' (222') C: 710' (242')	LOC (GS out)	Max Kts	
FULL		B: 703' (235') D: 720' (252')	MDA(H) 900' (432')	3500' on 197°	
ALS out					
A	RVR 600m	RVR 1000m	RVR 900m	100	1070' (602') 1500m
B	RVR 600m	RVR 1000m	RVR 1000m	135	1390' (922') 1600m
C	RVR 650m	RVR 1200m	RVR 1400m	180	1590' (1122') 2400m
D	RVR 650m	RVR 1200m	RVR 2000m	205	2130' (1662') 3600m

CHANGES: Procedure. Minimums.

© JEPPesen SANDERSON, INC., 1999, 2005. ALL RIGHTS RESERVED.

LEGE/GRO  
GIRONA

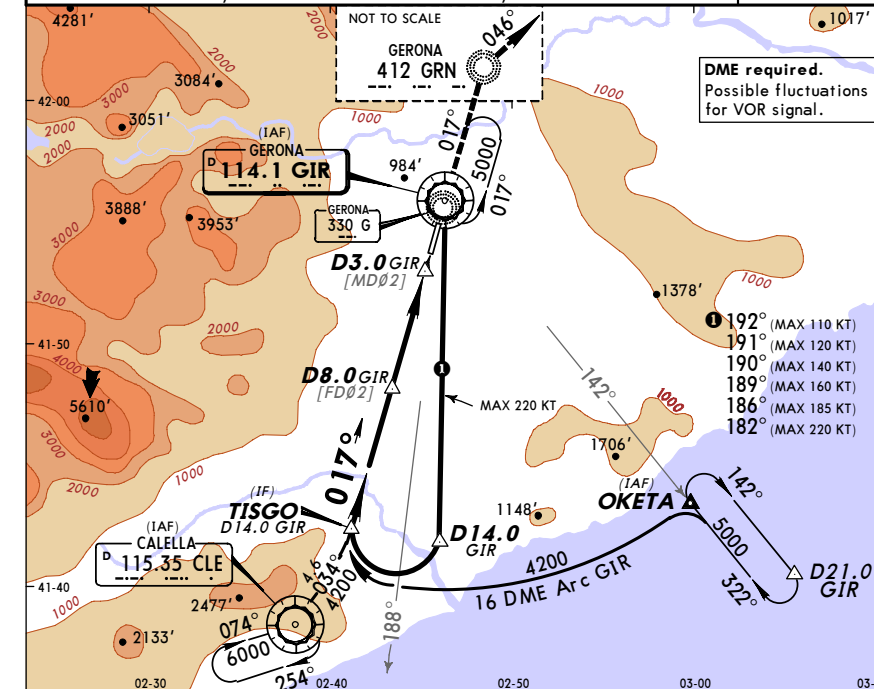
JEPPesen  
14 OCT 05 (13-1) Eff 27 Oct

GIRONA, SPAIN  
VOR Rwy 02

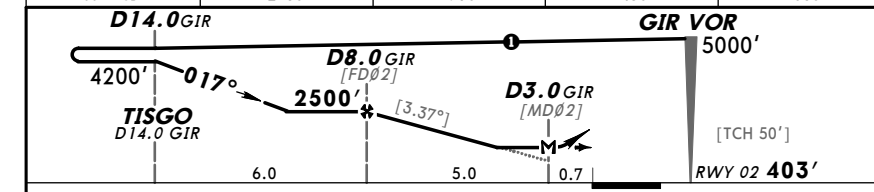
*GIRONA Approach 120.9		*GIRONA Tower 118.5		*Ground 121.7	
VOR GIR	Final Apch Crs	Minimum Alt D8.0 GIR	MDA(H)	Apt Elev	468'
114.1	017°	2500' (2097')	850' (447')	RWY	403'

MISSED APCH: Climb to GIR VOR. Proceed on 017° to GRN NDB. Proceed on 046° to 3500', then turn LEFT to GIR VOR climbing to 5000' and hold.

Alt Set: hPa Rwy Elev: 15 hPa Trans level: By ATC Trans alt: 6000'



GIR DME	7.0	6.0	5.0	4.0
ALTITUDE	2150'	1790'	1430'	1080'



Gnd speed-Kts	70	90	100	120	140	160
Descent gradient 5.88% or Descent angle [3.37°]	417	537	596	716	835	954
MAP at D3.0 GIR						

JAR-OPS		STRAIGHT-IN LANDING RWY 02		CIRCLE-TO-LAND	
MDA(H) 850' (447')		ALS out		Max Kts	
				1070' (602') 1500m	
A	RVR 1300m	RVR 1500m		100	1070' (602') 1500m
B	RVR 1400m	RVR 1500m		135	1390' (922') 1600m
C	RVR 1600m	RVR 1800m		180	1590' (1122') 2400m
D	RVR 1800m	RVR 2000m		205	2130' (1662') 3600m

CHANGES: New procedure.

© JEPPesen SANDERSON, INC., 2005. ALL RIGHTS RESERVED.

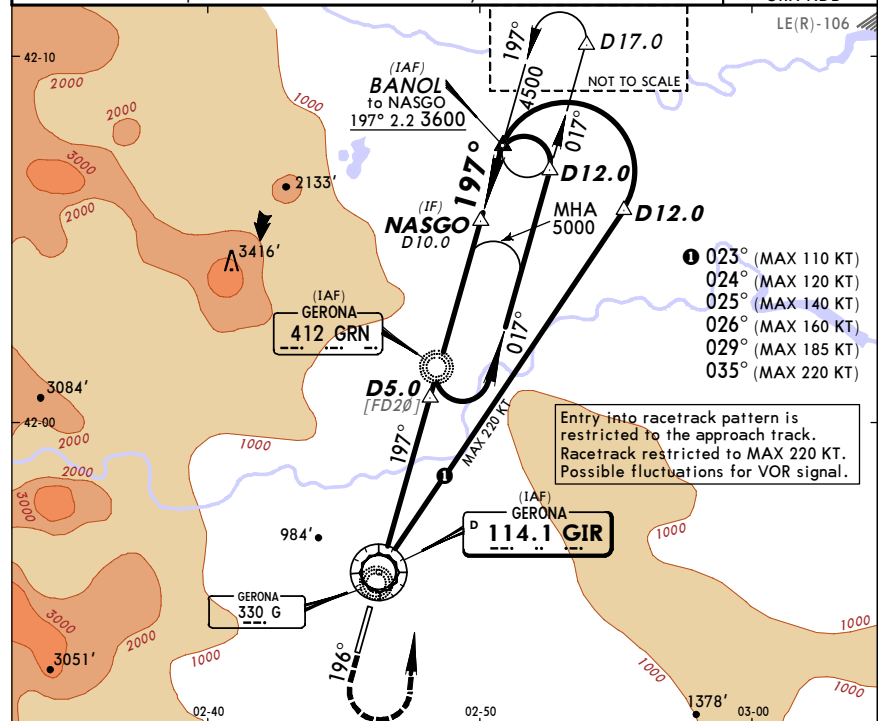
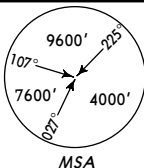
LEGE/GRO  
GIRONA

JEPPesen  
14 OCT 05 (13-2) Eff 27 Oct

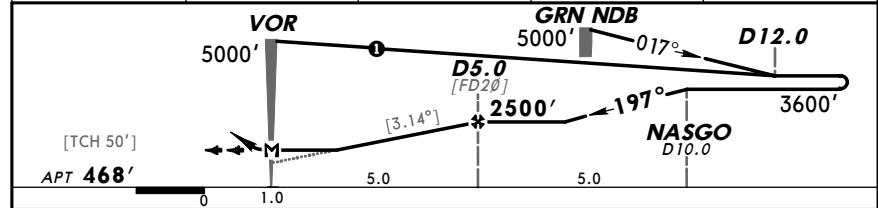
GIRONA, SPAIN  
VOR Rwy 20

BRIEFING STRIP

*GIRONA Approach 120.9		*GIRONA Tower 118.5		*Ground 121.7	
VOR GIR 114.1	Final Apch Crs 197°	Minimum Alt D5.0 2500' (2032')	MDA(H) 980' (512')	Apt Elev 468'	
MISSED APCH: Climb on R-196 to 3500', then turn LEFT to GRN NDB climbing to 5000' and hold. Do not turn before passing MAP.					
Alt Set: hPa	Apt Elev: 17 hPa	Trans level: By ATC		Trans alt: 6000'	



GIR DME	1.0	2.0	3.0	4.0
ALTITUDE	1170'	1510'	1840'	2170'



Gnd speed-Kts	70	90	100	120	140	160
Descent gradient 5.47% or Descent angle [3.14°]	389	500	556	667	778	889
MAP at VOR						

JAR-OPS STRAIGHT-IN LANDING RWY 20			CIRCLE-TO-LAND		
MDA(H) 980' (512')					
ALS out					
A	RVR 1000m		Max Kts.	MDA(H)	VIS
B	RVR 1200m	RVR 1500m	100	1070' (602')	1500m
C	RVR 1600m		135	1390' (922')	1600m
D	RVR 1600m	RVR 2000m	180	1590' (1122')	2400m
			205	2130' (1662')	3600m

CHANGES: New procedure.

© JEPPesen SANDERSON, INC., 2005. ALL RIGHTS RESERVED.

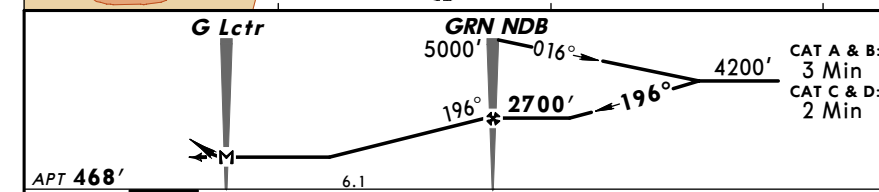
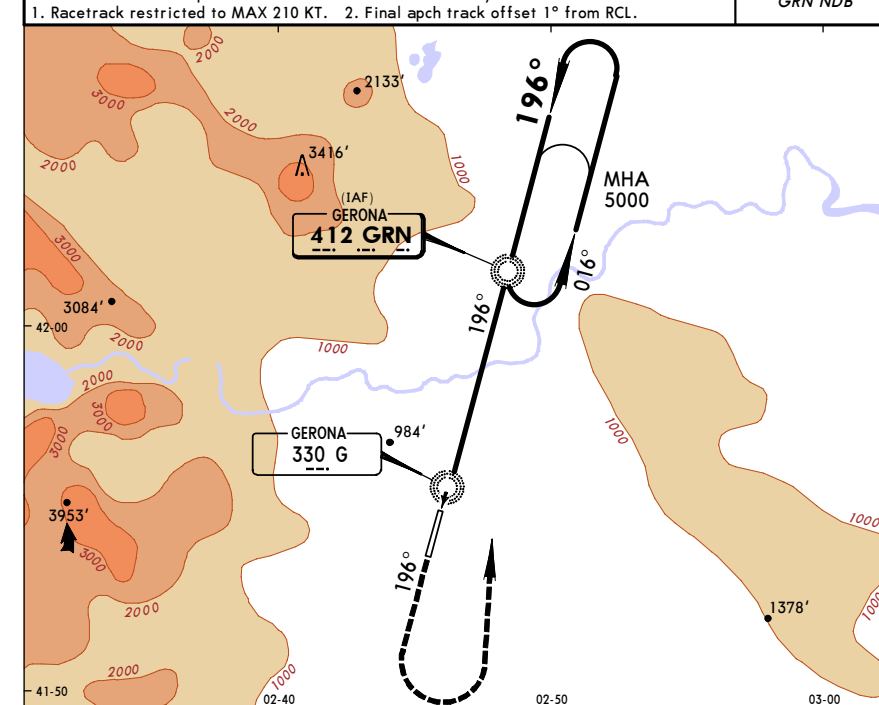
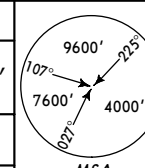
LEGE/GRO  
GIRONA

JEPPesen  
14 OCT 05 (16-1) Eff 27 Oct

GIRONA, SPAIN  
NDB Rwy 20

BRIEFING STRIP™	*GIRONA Approach 120.9		*GIRONA Tower 118.5		*Ground 121.7	
	NDB GRN 412	Final Apch Crs 196°	Minimum Alt GRN NDB 2700' (2232')	MDA(H) 1030' (562')	Apt Elev 468'	
	MISSED APCH: Climb on 196° to 3500', then turn LEFT to GRN NDB climbing to 5000' and hold. Do not turn before passing MAP.					
	Alt Set: hPa		Apt Elev: 17 hPa		Trans level: By ATC	
					Trans alt: 6000'	

MSA  
GIRONA NDB



Gnd speed-Kts	70	90	100	120	140	160
Descent Gradient 5.3%	376	483	537	644	751	859
MAP at G Lctr						

JAR-OPS STRAIGHT-IN LANDING RWY 20			CIRCLE-TO-LAND		
MDA(H) 1030' (562')					
ALS out					
A	RVR 1000m		Max Kts.	MDA(H)	VIS
B	RVR 1200m	RVR 1500m	100	1070' (602')	1500m
C	RVR 1600m		135	1390' (922')	1600m
D	RVR 1600m	RVR 2000m	180	1590' (1122')	2400m
			205	2130' (1662')	3600m

CHANGES: Missed approach.

© JEPPesen SANDERSON, INC., 2001, 2005. ALL RIGHTS RESERVED.