

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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No revision activity since Disc 22-2010

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport LEDA

General Info

Lleida, ESP

N 41° 43.7' E 00° 32.1' Mag Var: 1.9°W

Elevation: 1152'

Public, IFR, Control Tower, No Customs

Fuel: 100LL, Jet A-1

Time Zone Info: GMT+1:00 uses DST

Runway Info

Runway 13-31 8202' x 200' asphalt

Runway 13 (134.0°M) TDZE 1145'

Lights: Edge, ALS, Centerline, REIL

Right Traffic

Runway 31 (314.0°M) TDZE 1150'

Lights: Edge, ALS, Centerline, REIL

Displaced Threshold Distance 295'

Communications InfoLleida Tower **121.625**Lleida Tower **121.325**Barcelona Approach Control **127.7****Notebook Info**

LEDA
ALGUAIRE

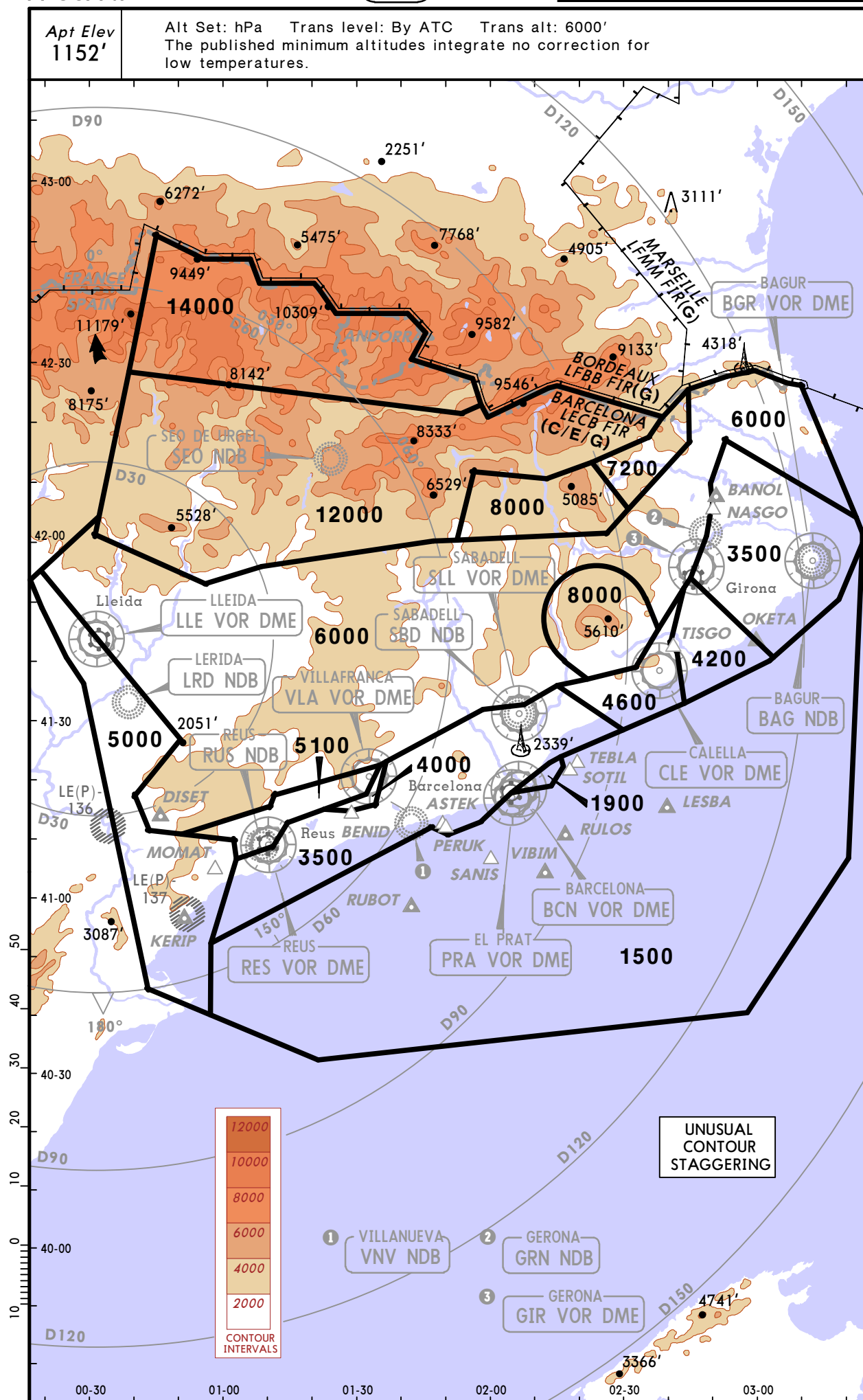
8 JAN 10

10-1R

Eff 14 Jan

RADAR MINIMUM ALTITUDES

LLEIDA, SPAIN



CHANGES: New airport.

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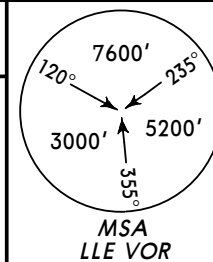
LEDA
ALGUAIRE

JEPPESEN
8 JAN 10 **10-2** **Eff 14 Jan**

LLEIDA, SPAIN
STAR

Apt Elev
1152'

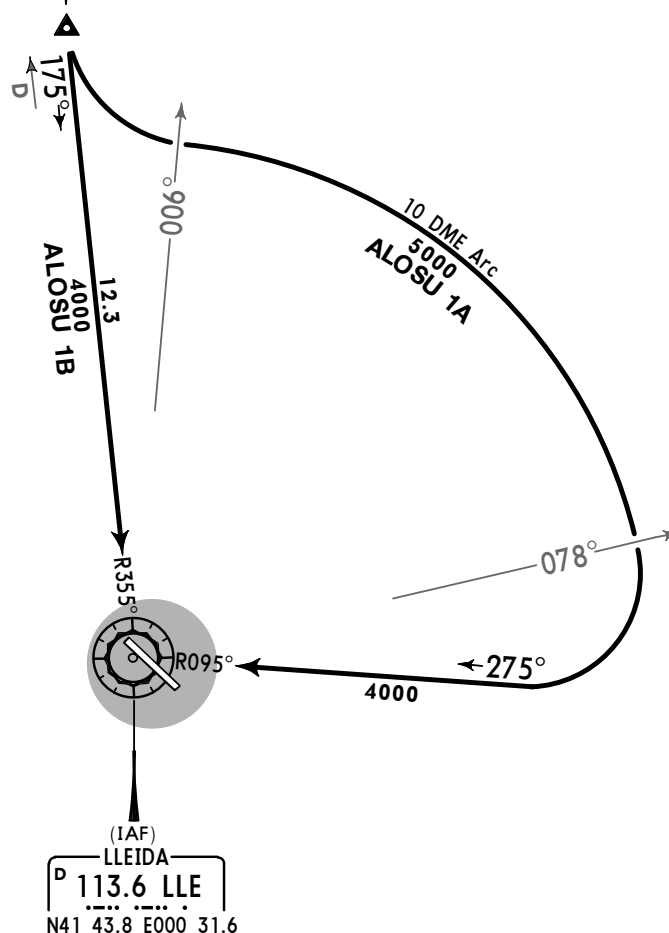
Alt Set: hPa
Trans level: By ATC Trans alt: 6000'



ALOSU ONE ALFA (ALOSU 1A) [ALOS1A]
ALOSU ONE BRAVO (ALOSU 1B) [ALOS1B]
RWYS 13, 31 ARRIVALS

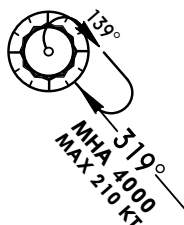
ALOSU
N41 56.0 E000 29.9

At or above
FL105

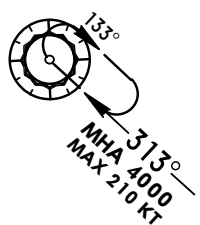
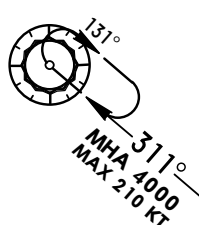


HOLDINGS OVER LLE

Runway 13



Runway 31



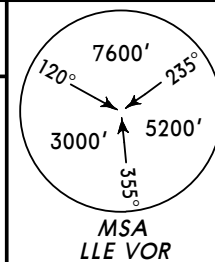
LEDA
ALGUAIRE

JEPPESEN
 8 JAN 10 **(10-2A)** Eff 14 Jan

LLEIDA, SPAIN
STAR

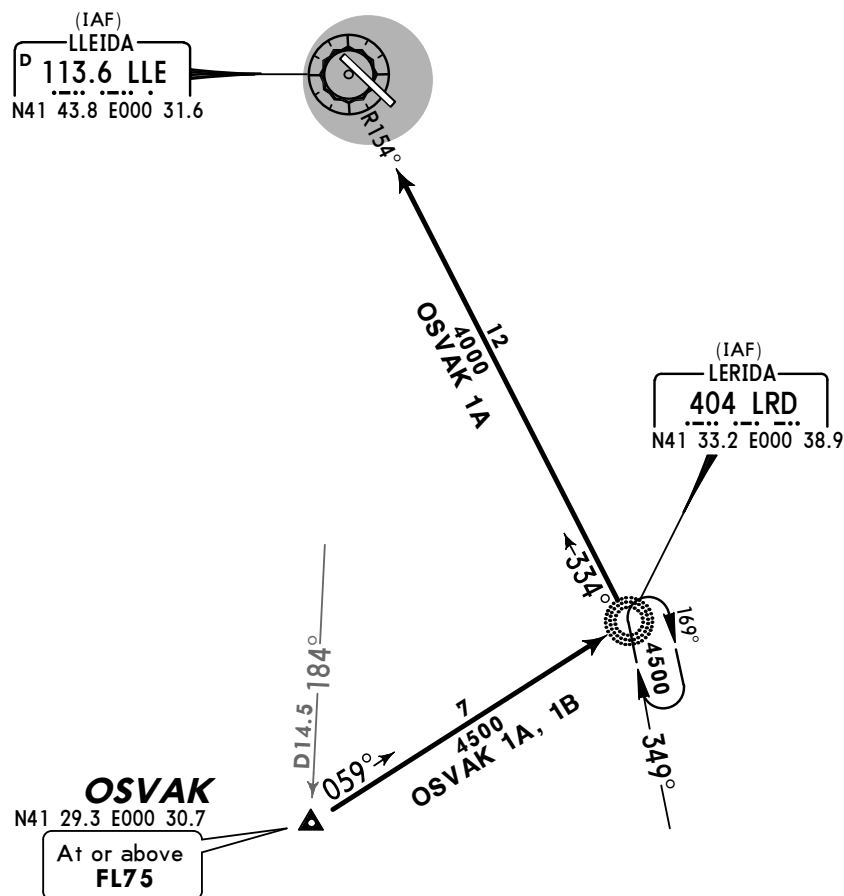
Apt Elev
1152'

Alt Set: hPa
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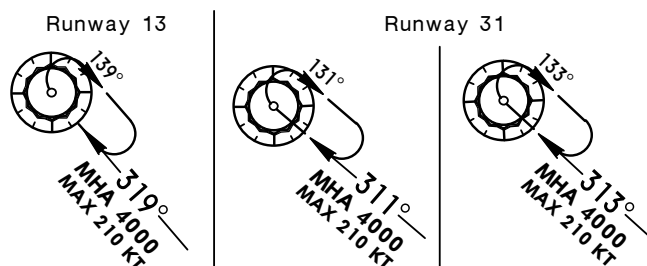


OSVAK ONE ALFA (OSVAK 1A)[OSVA1A]
RWYS 13, 31 ARRIVAL

OSVAK ONE BRAVO (OSVAK 1B)[OSVA1B]
RWY 31 ARRIVAL



HOLDINGS OVER LLE

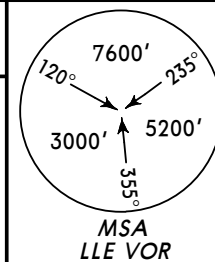


LEDA
ALGUAIRE

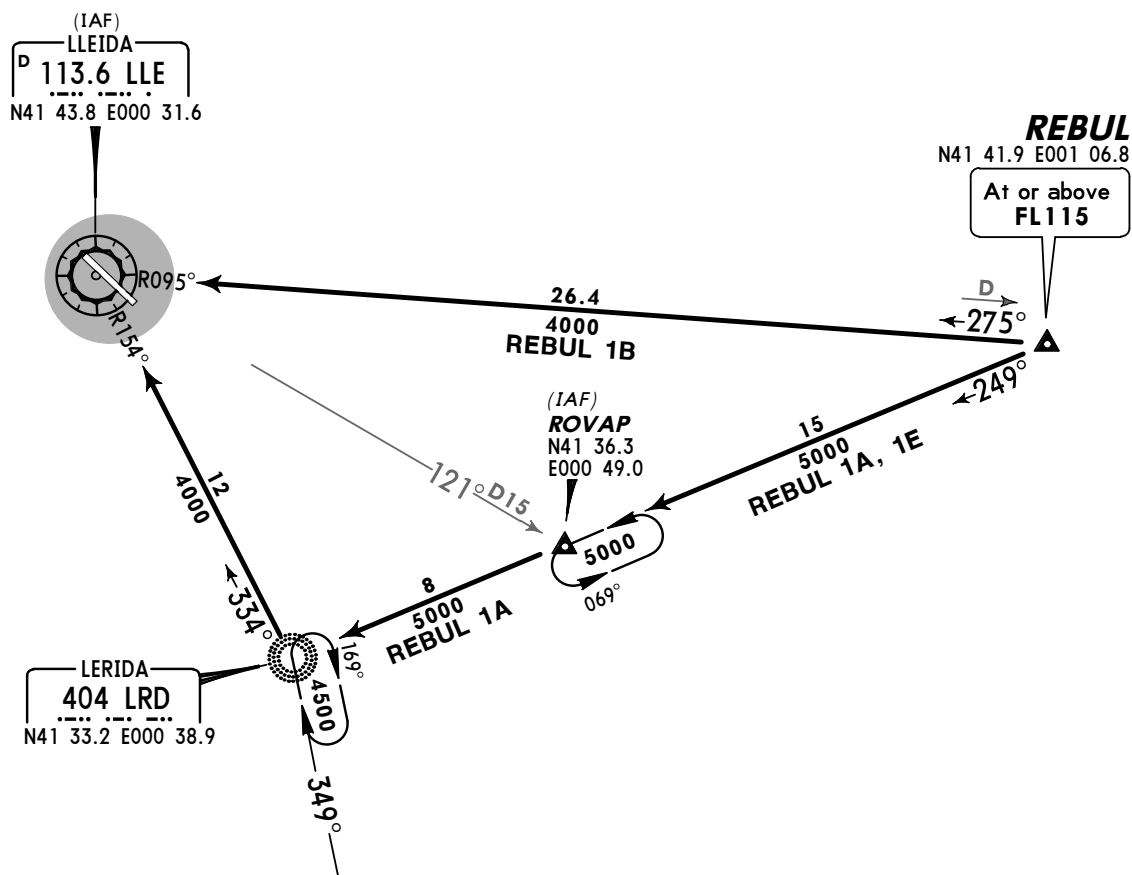
JEPPESEN
 8 JAN 10 **10-2B** Eff 14 Jan

LLEIDA, SPAIN
STAR

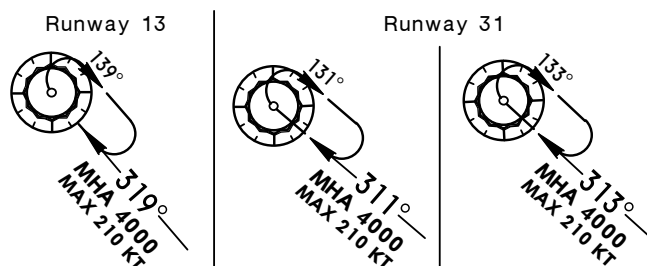
Apt Elev
1152'
 Alt Set: hPa
 Trans level: By ATC Trans alt: 6000'



REBUL ONE ALFA (REBUL 1A) [REBU1A]
REBUL ONE BRAVO (REBUL 1B) [REBU1B]
RWYS 13, 31 ARRIVALS
REBUL ONE ECHO (REBUL 1E) [REBU1E]
RWY 31 ARRIVAL



HOLDINGS OVER LLE



NOT TO SCALE

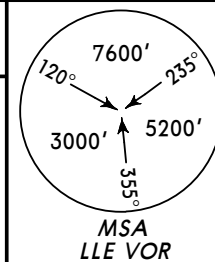
LEDA
ALGUAIRE

JEPPESEN
8 JAN 10 **(10-2C)** **Eff 14 Jan**

LLEIDA, SPAIN
STAR

Apt Elev
1152'

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



VILAR ONE ALFA (VILAR 1A) [VILA 1A]
RWYS 13, 31 ARRIVAL
VILAR ONE BRAVO (VILAR 1B) [VILA 1B]
RWY 31 ARRIVAL

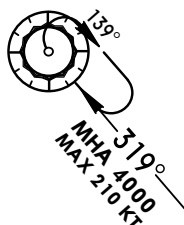
(IAF)
LLEIDA
D 113.6 LLE
N41 43.8 E000 31.6

(IAF)
LERIDA
404 LRD
N41 33.2 E000 36.9

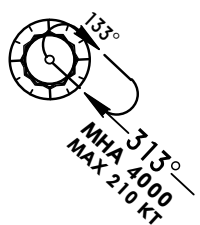
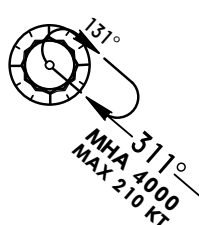
VILAR
N41 20.5 E000 34.0
At or above
FL95

HOLDINGS OVER LLE

Runway 13



Runway 31



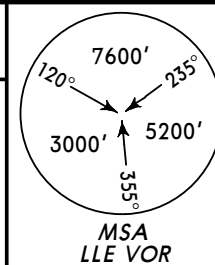
LEDA
ALGUAIRE

JEPPESSEN
8 JAN 10 **10-3** Eff 14 Jan

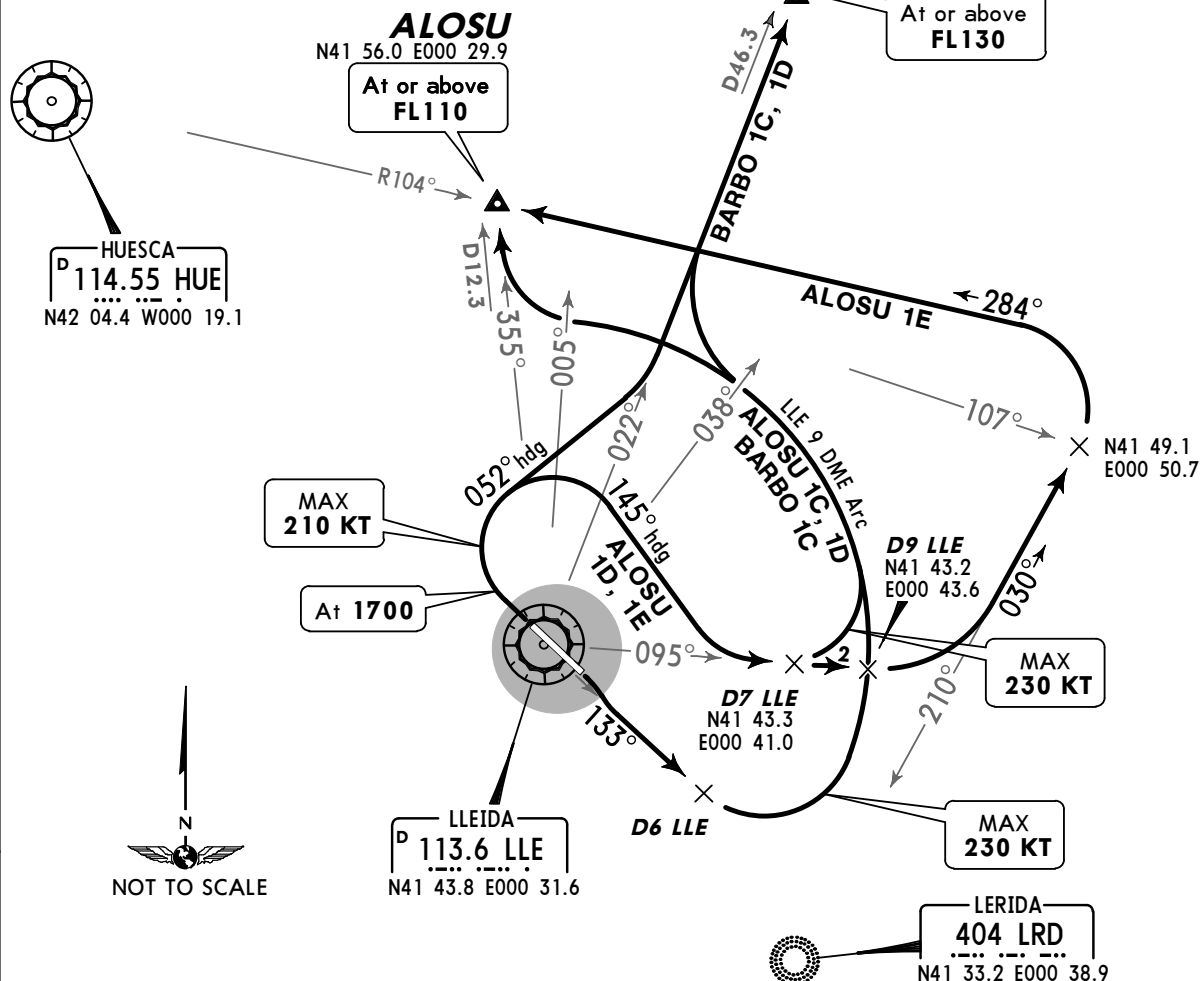
LLEIDA, SPAIN
SID

Apt Elev
1152'

Trans level: By ATC Trans alt: 6000'



ALOSU ONE CHARLIE (ALOSU 1C) [ALOS1C]
ALOSU ONE DELTA (ALOSU 1D) [ALOS1D]
ALOSU ONE ECHO (ALOSU 1E) [ALOS1E]
BARBO ONE CHARLIE (BARBO 1C) [BARB1C]
BARBO ONE DELTA (BARBO 1D) [BARB1D]
RWYS 13, 31 DEPARTURES



These SIDs require minimum climb gradients of

ALOSU 1C: 346' per NM (5.7%) up to **FL110**.
ALOSU 1D: 425' per NM (7%) up to **3000'**,
then 304' per NM (5%) up to **FL110**.
ALOSU 1E: 425' per NM (7%) up to **4000'**.
BARBO 1C: 255' per NM (4.2%) up to **6000'**.
BARBO 1D: 425' per NM (7%) up to **7000'**.

Gnd Speed-KT	75	100	150	200	250	300
425' per NM	532	709	1063	1418	1772	2127
346' per NM	433	577	866	1155	1443	1732
304' per NM	380	506	760	1013	1266	1519
255' per NM	319	425	638	851	1063	1276

Rwy 31: No turns before DER.

SID	RWY	ROUTING
ALOSU 1C	13	Climb on LLE R-133 to D6 LLE, turn LEFT, along LLE 9 DME arc, when crossing LLE R-005 turn RIGHT, intercept LLE R-355 to ALOSU.
ALOSU 1D	31	Climb on runway heading to 1700' , turn RIGHT, 145° heading, intercept LLE R-095 to D7 LLE, turn LEFT, along LLE 9 DME arc, when crossing LLE R-005 turn RIGHT, intercept LLE R-355 to ALOSU.
ALOSU 1E		Climb on runway heading to 1700' , turn RIGHT, 145° heading, intercept LLE R-095 to D9 LLE, turn LEFT, 030° bearing from LRD, when crossing HUE R-107 turn LEFT, intercept HUE R-104 inbound to ALOSU.
BARBO 1C	13	Climb on LLE R-133 to D6 LLE, turn LEFT, along LLE 9 DME arc, when crossing LLE R-038 turn RIGHT, intercept LLE R-022 to BARBO.
BARBO 1D	31	Climb on runway heading to 1700' , turn RIGHT, 052° heading, intercept LLE R-022 to BARBO.

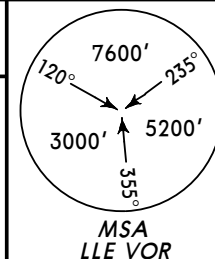
LEDA
ALGUAIRE

JEPPESEN
8 JAN 10 **(10-3A)** **Eff 14 Jan**

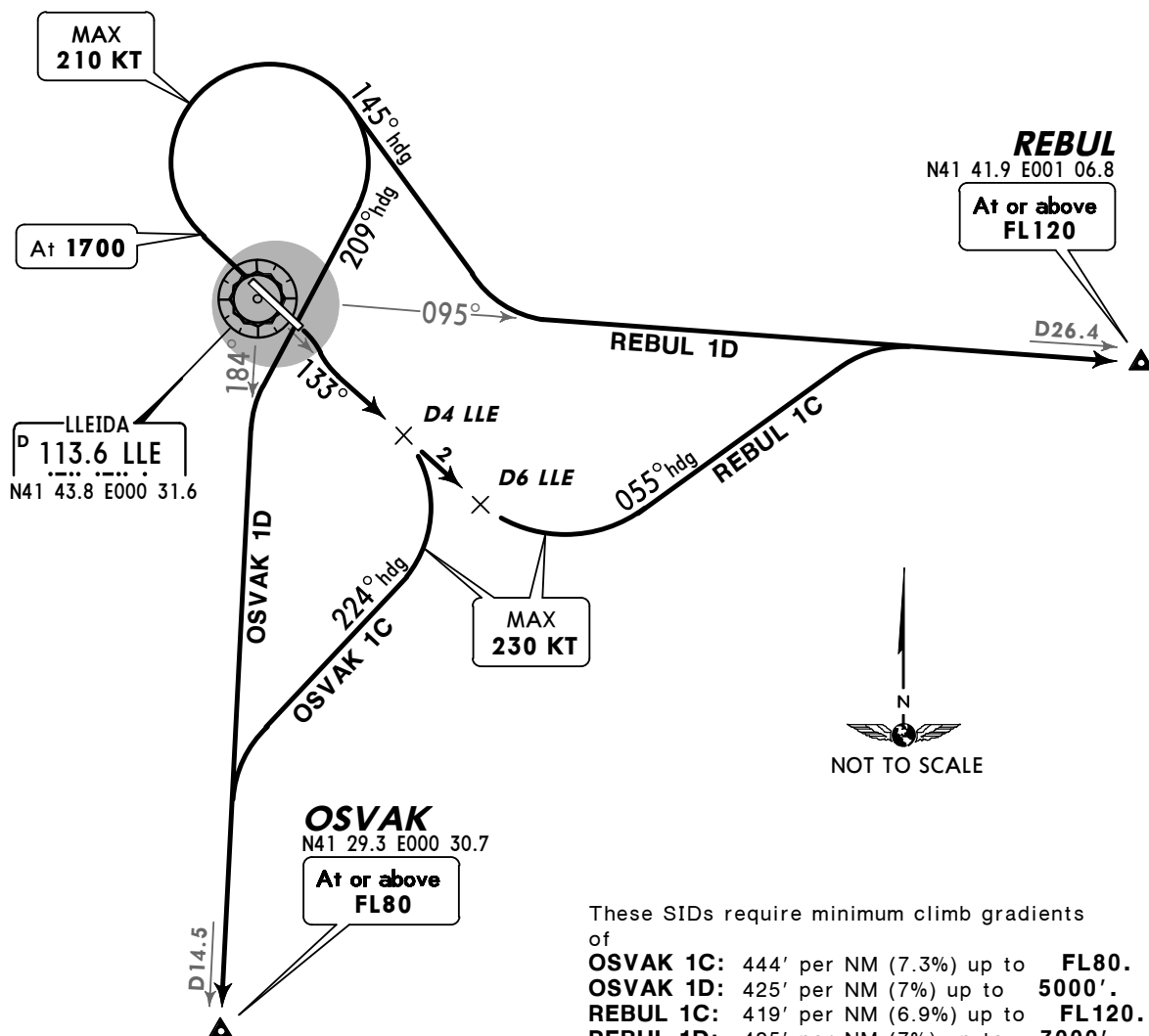
LLEIDA, SPAIN
SID

Apt Elev
1152'

Trans level: By ATC Trans alt: 6000'



OSVAK ONE CHARLIE (OSVAK 1C) [OSVA1C]
OSVAK ONE DELTA (OSVAK 1D) [OSVA1D]
REBUL ONE CHARLIE (REBUL 1C) [REBU1C]
REBUL ONE DELTA (REBUL 1D) [REBU1D]
RWYS 13, 31 DEPARTURES



These SIDs require minimum climb gradients of

OSVAK 1C: 444' per NM (7.3%) up to **FL80**.
OSVAK 1D: 425' per NM (7%) up to **5000'**.
REBUL 1C: 419' per NM (6.9%) up to **FL120**.
REBUL 1D: 425' per NM (7%) up to **3000'**, then 346' per NM (5.7%) up to **FL120**.

Gnd Speed-KT	75	100	150	200	250	300
444' per NM	554	739	1109	1479	1848	2218
425' per NM	532	709	1063	1418	1772	2127
419' per NM	524	699	1048	1398	1747	2096
346' per NM	433	577	866	1155	1443	1732

Rwy 31: No turns before DER.

SID	RWY	ROUTING
OSVAK 1C	13	Climb on LLE R-133 to D4 LLE, turn RIGHT, 224° heading, intercept LLE R-184 to OSVAK.
OSVAK 1D	31	Climb on runway heading to 1700' , turn RIGHT, 209° heading, intercept LLE R-184 to OSVAK.
REBUL 1C	13	Climb on LLE R-133 to D6 LLE, turn LEFT, 055° heading, intercept LLE R-095 to REBUL.
REBUL 1D	31	Climb on runway heading to 1700' , turn RIGHT, 145° heading, intercept LLE R-095 to REBUL.

CHANGES: New airport.

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LEDA

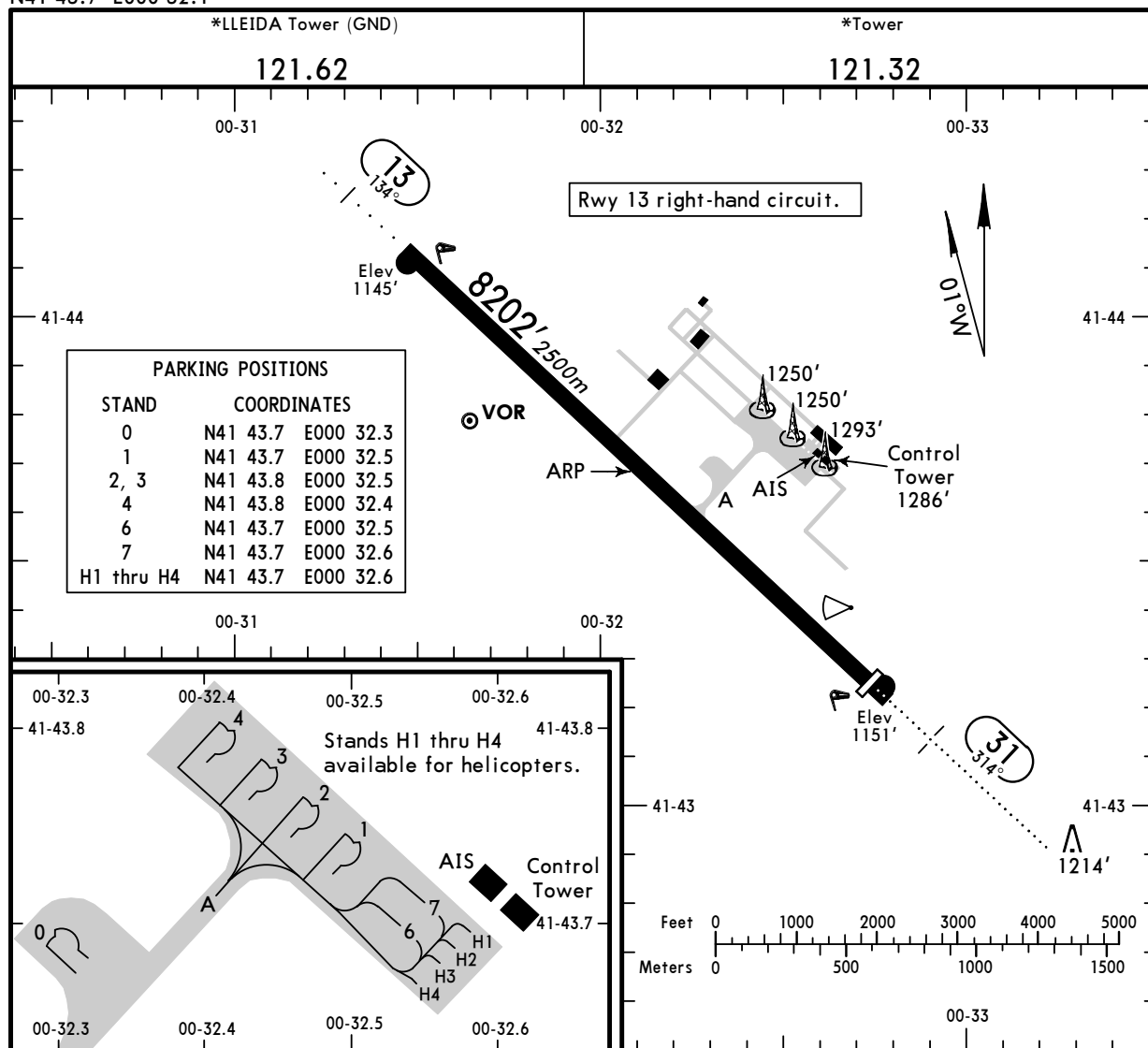
Apt Elev **1152'**
N41 43.7 E000 32.1

JEPPESSEN

8 JAN 10 **(10-9)** Eff 14 Jan

LLEIDA, SPAIN

ALGUAIRE



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS		TAKE-OFF	WIDTH
		Threshold	Landing Beyond		
13	HIRL (50m) CL (30m) ALS REIL PAPI (3.0°)				200'
31	HIRL (50m) CL (30m) HIALS REIL PAPI (3.0°) RVR	7907' 2410m	6874' 2095m		61m

Standard

TAKE-OFF 1

	All Rwys				
	LVP must be in force				
	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A					
B	150m	200m	250m	400m	500m
C					
D	200m	250m	300m		

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

LEDA



9 APR 10 **10-9X**

JAA MINIMUMS
LLEIDA, SPAIN
ÁLGUAIRE

STRAIGHT-IN RWY		A	B	C	D
13	VOR	1510' (365')	1510' (365')	1510' (365')	1510' (365')
	<i>ALS out</i>	R1300m R1500m	R1400m R1500m	R1600m R1800m	R1800m R2000m
31	ILS	1350' (200')	1350' (200')	1350' (200')	1352' (202')
	<i>ALS out</i>	R550m R1000m	R550m R1000m	R550m R1000m	R600m R1000m
	LOC	1600' (450')	1600' (450')	1600' (450')	1600' (450')
	<i>ALS out</i>	R1000m R1500m	R1200m R1500m	R1200m R2000m	R1600m R2000m
	VOR	1600' (450')	1600' (450')	1600' (450')	1600' (450')
	<i>ALS out</i>	R1000m R1500m	R1200m R1500m	R1200m R2000m	R1600m R2000m

CIRCLE-TO-LAND	100 KT	135 KT	180 KT	205 KT
	1650' (498')	1660' (508')	1840' (688')	1860' (708')
	V1500m	V1600m	V2400m	V3600m

TAKE-OFF RWY 13, 31

LVP must be in force				
RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A	150m	200m	250m	400m
B				
C				
D	200m	250m	300m	500m

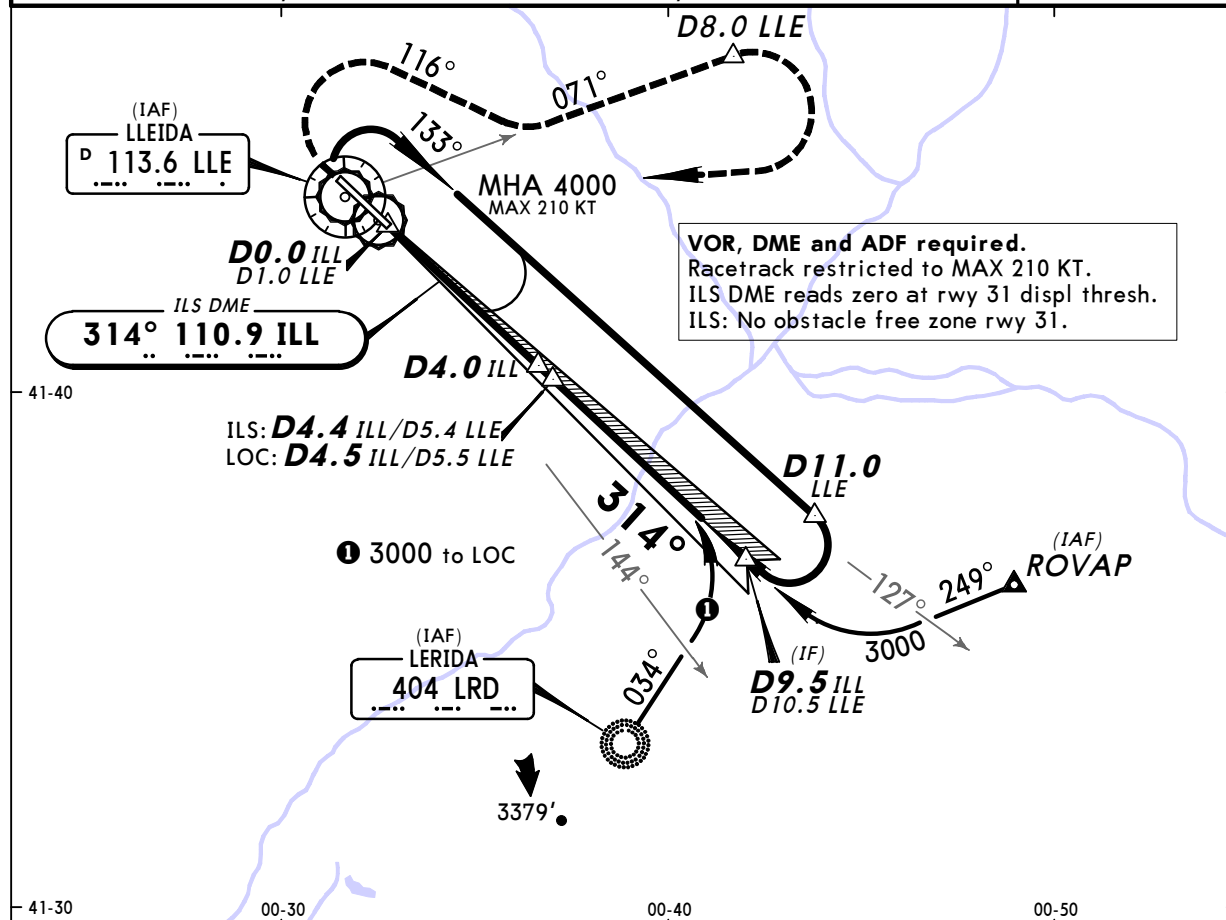
LEDA
ALGUAIRE

JEPPESSEN
8 JAN 10 **(11-1)** **Eff 14 Jan**

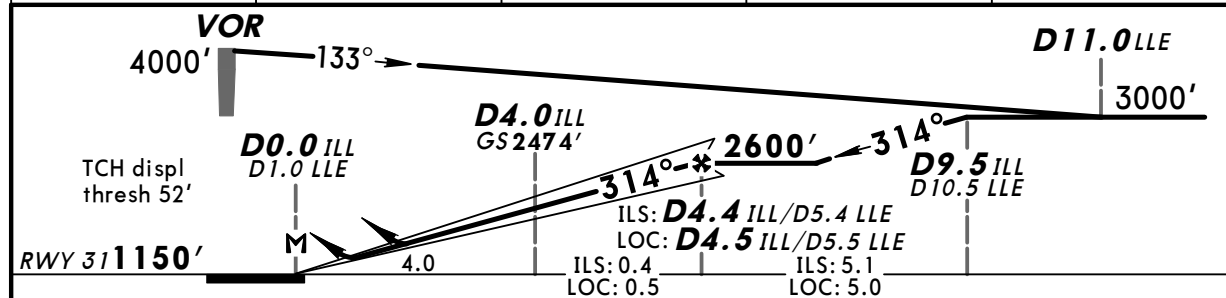
LLEIDA, SPAIN
ILS or LOC Rwy 31

BRIEFING STRIP

*BARCELONA Approach		*LLEIDA Tower		*Ground	
127.7		121.32		121.62	
LOC ILL 110.9	Final Apch Crs 314°	GS D4.0 ILL 2474' (1324')	ILS DA(H) Refer to Minimums	Apt Elev 1152' RWY 1150'	7600' 120° 235° 5200' 3000' 355°
MISSED APCH: ILS: Climb on rwy hdg to 1600', then ILS or LOC: turn RIGHT (MAX 185 KT) onto 116° to intercept and follow R-071 LLE to D8.0 LLE. Turn RIGHT to VOR and join holding at or above 4000'.					
Alt Set: hPa		Rwy Elev: 41 hPa	Trans level: By ATC		
			Trans alt: 6000'		MSA LLE VOR



LOC (GS out)	ILL DME ALTITUDE	2.0	3.0	4.0
		1850'	2170'	2490'



Gnd speed-Kts	70	90	100	120	140	160	HIALS REIL PAPI	Refer to Missed Apch above
ILS GS or LOC Descent angle 3.00°	377	484	538	646	753	861		
MAP at D0.0 ILL/D1.0 LLE								

STRAIGHT-IN LANDING RWY 31				CIRCLE-TO-LAND			
ILS			LOC (GS out)				
DA(H) ABC: 1350' (200') D: 1352' (202')			DA(H) 1600' (450')				
FULL			Limited		ALS out		
RVR 550m			RVR 750m		RVR 1200m		
RVR 1400m			RVR 1500m		RVR 1600m		
CMV 2100m							

PANS OPS 4

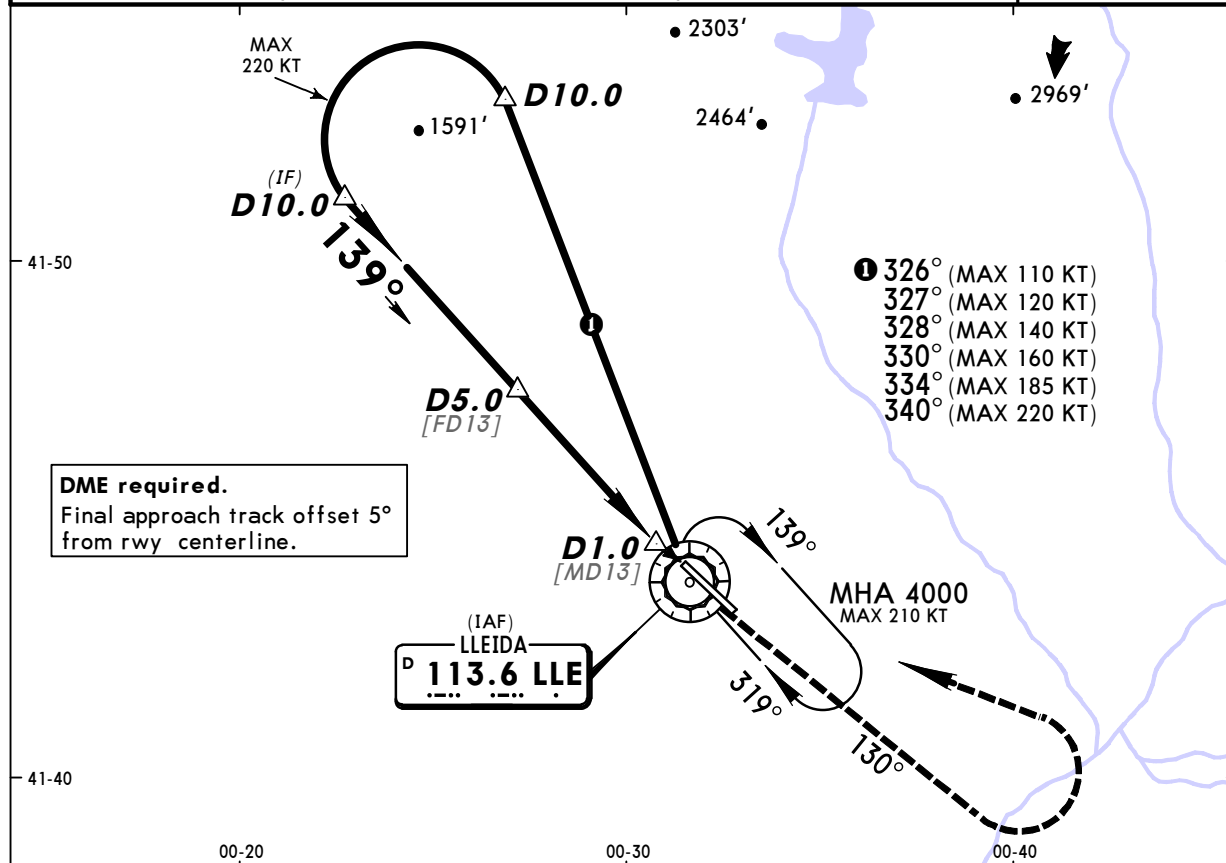
LEDA
ALGUAIRE

JEPPesen
8 JAN 10 **(13-1)** **Eff 14 Jan**

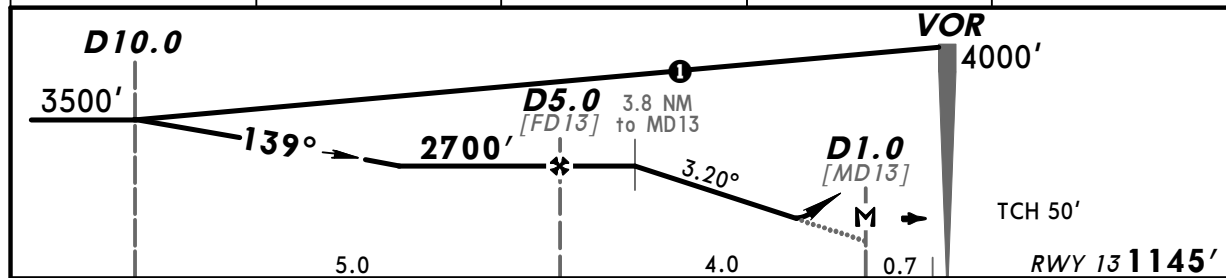
LLEIDA, SPAIN
VOR Rwy 13

BRIEFING STRIP

*BARCELONA Approach		*LLEIDA Tower		*Ground	
127.7		121.32		121.62	
VOR LLE 113.6	Final Apch Crs 139°	Minimum Alt D5.0 2700' (1555')	DA(H) 1510' (365')	Apt Elev 1152' RWY 1145'	
MISSED APCH: Climb on rwy heading to intercept and follow R-130 climbing to 3500'. Turn LEFT to VOR climbing to 4000' and join holding.					
Alt Set: hPa	Rwy Elev: 41 hPa	Trans level: By ATC	Trans alt: 6000'	MSA LLE VOR	



LLE DME	4.8	4.0	3.0	2.0
ALTITUDE	2700'	2420'	2090'	1750'



Gnd speed-Kts	70	90	100	120	140	160	ALS	Rwy hdg	LLE	3500'
Descent angle 3.20°	396	510	566	679	793	906	REIL PAPI	to intercept	113.6	↑
MAP at D1.0							PAPI		R-130	

Standard				CIRCLE-TO-LAND			
STRAIGHT-IN LANDING RWY 13							
DA(H) 1510' (365')				Max Kts	MDA(H)	VIS	
ALS out				100	1650' (498')	1500m	
RVR 1500m				135	1660' (508')	1600m	
RVR 1700m				180	1840' (688')	2400m	
				205	1860' (708')	3600m	

PANS OPS 4

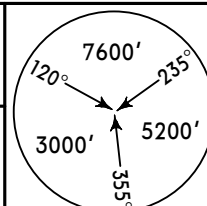
LEDA
ALGUAIRE

JEPPESSEN
8 JAN 10 **(13-2)** **Eff 14 Jan**

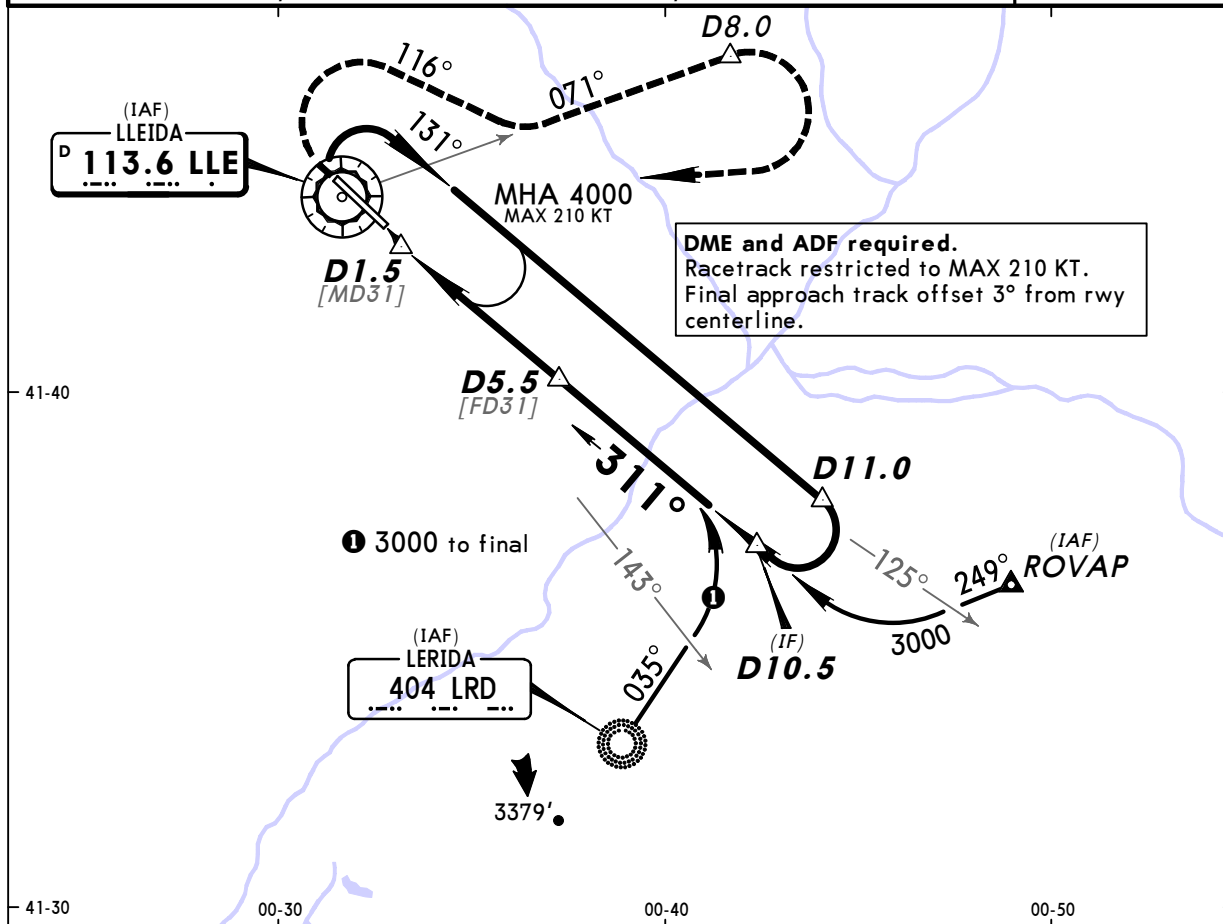
LLEIDA, SPAIN
VOR Rwy 31

BRIEFING STRIP

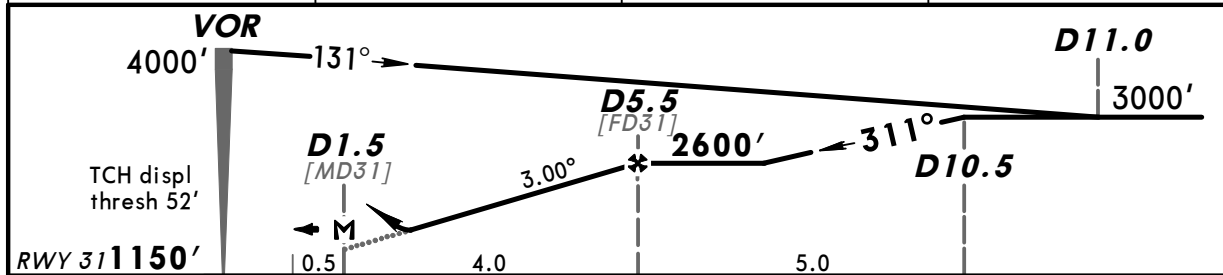
*BARCELONA Approach 127.7		*LLEIDA Tower 121.32		*Ground 121.62
VOR LLE 113.6	Final Apch Crs 311°	Minimum Alt D5.5 2600' (1450')	DA(H) 1600' (450')	Apt Elev 1152' RWY 1150'
MISSED APCH: Climb to VOR, then turn RIGHT (MAX 185 KT) onto 116° to intercept and follow R-071 to D8.0. Turn RIGHT to VOR and join holding at or above 4000'.				
Alt Set: hPa	Rwy Elev: 41 hPa	Trans level: By ATC	Trans alt: 6000'	



MSA LLE VOR



LLE DME	3.0	4.0	5.0
ALTITUDE	1850'	2170'	2490'



Gnd speed-Kts	70	90	100	120	140	160	HIALS REIL PAPI PAPI LLE 113.6 185 KT 116°			
Descent angle 3.00°	372	478	531	637	743	849	MAX RT			
MAP at D1.5										

Standard				CIRCLE-TO-LAND			
STRAIGHT-IN LANDING RWY 31							
DA(H) 1600' (450')				Max Kts	MDA(H)	VIS	
A	ALS out			100	1650' (498')	1500m	
B	RVR 1500m			135	1660' (508')	1600m	
C	RVR 1400m			180	1840' (688')	2400m	
D	CMV 2100m			205	1860' (708')	3600m	

PANS OPS 4