

# LEBL

Barcelona - El Prat

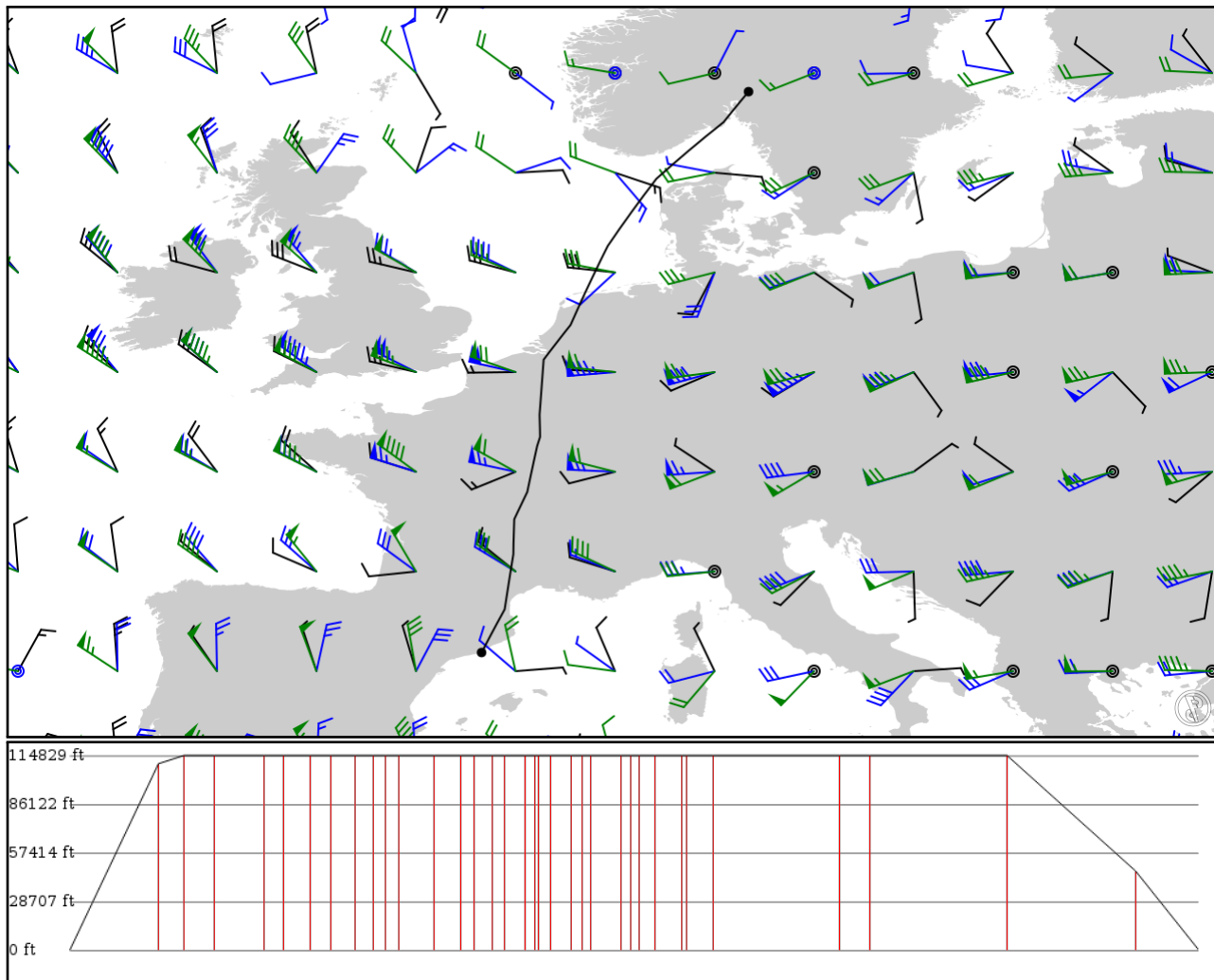
# ENGM

Oslo Gardermoen

2024/05/03 0324Z

LEBL PPG **A27** MOKDI **UY27** CFA **A27** MOU **B373** TRO **G40** VATRI **B3** REM SOTUS **Z319** KENAP **UZ319** MOPIL **UY131**  
NIK **B31** PAM **UZ705** AMADA **UZ704** TOR ENGM

1197.06 nm / 2216.95 km



## Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 36000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes

- Use high airways: yes

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LEBL APT	-	41.29511 2.08803	0 ft 0 m	-	Barcelona - El Prat
PPG VOR	-	42.75047 2.86714	33,500 ft 10,211 m	94	PERPIGNAN RIVESALTES VOR-DME
SIJAN FIX	A27 AWY-LO	43.19750 2.93695	35,000 ft 10,668 m	27	-
BRUSC FIX	A27 AWY-LO	43.74750 3.02333	35,000 ft 10,668 m	33	-
MEN VOR	A27 AWY-LO	44.60833 3.16242	35,000 ft 10,668 m	52	MENDE-Nasbinals VOR-DME
MOKDI FIX	A27 AWY-LO	44.95694 3.16694	35,000 ft 10,668 m	20	-
MALEB FIX	UY27 AWY-HI	45.43083 3.18139	35,000 ft 10,668 m	28	-
CFA VOR	UY27 AWY-HI	45.78747 3.19219	35,000 ft 10,668 m	21	CLERMONT FERRAND AUVERGNE VOR-
PESAN FIX	A27 AWY-LO	46.19917 3.38722	35,000 ft 10,668 m	26	-
BAKNO FIX	A27 AWY-LO	46.50000 3.53139	35,000 ft 10,668 m	19	-
MOU VOR	A27 AWY-LO	46.70678 3.63167	35,000 ft 10,668 m	13	MOULINS VOR-DME
NEPAP FIX	B373 AWY-LO	46.93389 3.67944	35,000 ft 10,668 m	13	-
AVLON FIX	B373 AWY-LO	47.56000 3.81333	35,000 ft 10,668 m	37	-
LUREN FIX	B373 AWY-LO	48.02583 3.91389	35,000 ft 10,668 m	28	-
TRO VOR	B373 AWY-LO	48.25122 3.96314	35,000 ft 10,668 m	13	TROYES BARBEREY VOR
ARSIL FIX	G40 AWY-LO	48.56000 4.06167	35,000 ft 10,668 m	18	-
VATRI FIX	G40 AWY-LO	48.79333 4.05833	35,000 ft 10,668 m	14	-
DIKOL FIX	B3 AWY-LO	49.13750 4.04917	35,000 ft 10,668 m	20	-
REM VOR	B3 AWY-LO	49.31164 4.04536	35,000 ft 10,668 m	10	REIMS CHAMPAGNE VORTAC
SOTUS FIX	- -	49.38000 4.05028	35,000 ft 10,668 m	4	-
XERAM FIX	Z319 AWY-LO	49.59667 4.06722	35,000 ft 10,668 m	13	-
KENAP FIX	Z319 AWY-LO	49.95861 4.09389	35,000 ft 10,668 m	21	-
MOFIL FIX	UZ319 AWY-HI	50.14778 4.10778	35,000 ft 10,668 m	11	-
NILEM FIX	UY131 AWY-HI	50.29667 4.11889	35,000 ft 10,668 m	8	-
LERVO FIX	UY131 AWY-HI	50.83316 4.15872	35,000 ft 10,668 m	32	-
BARTU FIX	UY131 AWY-HI	51.00304 4.17158	35,000 ft 10,668 m	10	-
NIK	UY131	51.16500	35,000 ft	9	NICKY VOR-DME

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	4.18389	10,668 m		
WOODY	B31	51.40566	35,000 ft	15	-
FIX	AWY-LO	4.36648	10,668 m		
LARAS	B31	51.83457	35,000 ft	28	-
FIX	AWY-LO	4.69733	10,668 m		
LEKKO	B31	51.92417	35,000 ft	5	-
FIX	AWY-LO	4.76733	10,668 m		
PAM	B31	52.33476	35,000 ft	27	PAMPUS VOR-DME
VOR	AWY-LO	5.09216	10,668 m		
MOKUM	UZ705	54.48417	35,000 ft	133	-
FIX	AWY-HI	6.09332	10,668 m		
AMADA	UZ705	55.00000	35,000 ft	32	-
FIX	AWY-HI	6.35000	10,668 m		
KOPIN	UZ704	57.25667	35,000 ft	146	-
FIX	AWY-HI	7.98611	10,668 m		
TOR	UZ704	59.16911	14,200 ft	135	TORP VOR-DME
VOR	AWY-HI	10.25927	4,328 m		
ENGM	-	60.19451	0 ft	66	Oslo Gardermoen
APT	-	11.09900	0 m		

## LEBL

Region: SPAIN  
Timezone: EUROPE/MADRID  
Runways: 3

Elevation: 14 ft / 4 m  
Location: 41.295100 2.088030  
Magnetic Var: 1.539 E

## METAR

LEBL 030300Z 33009KT CAVOK 10/06 Q1017 NOSIG

## TAF

TAF LEBL 022300Z 0300/0324 33007KT 9999 FEW040 TX19/0313Z TN09/0305Z BECMG 0309/0311 20010KT BECMG 0320/0322 VRB0

## Frequencies

REC - 121.97 MHz - ATIS	REC - 118.65 MHz - ATIS
TWR - 118.32 MHz - BARCELONA TOWER	TWR - 118.10 MHz - BARCELONA TOWER
TWR - 122.82 MHz - BARCELONA TOWER	TWR - 122.10 MHz - BARCELONA TOWER
GND - 122.22 MHz - BARCELONA GROUND	GND - 121.70 MHz - BARCELONA GROUND
GND - 121.65 MHz - BARCELONA GROUND	CLD - 121.80 MHz - CLEARANCE DELIVERY
APP - 121.15 MHz - BARCELONA APPROACH	APP - 119.10 MHz - BARCELONA APPROACH
APP - 135.27 MHz - BARCELONA APPROACH	APP - 133.97 MHz - BARCELONA APPROACH
APP - 131.12 MHz - BARCELONA APPROACH	APP - 127.70 MHz - BARCELONA APPROACH
APP - 126.50 MHz - BARCELONA APPROACH	APP - 124.70 MHz - BARCELONA APPROACH
APP - 125.25 MHz - BARCELONA APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02	148 ft	8,307 ft	18.91	ASPHALT	0 ft	0 ft
	45 m	2,532 m	17.37		0 m	0 m
20	148 ft	8,307 ft	198.92	ASPHALT	0 ft	226 ft
	45 m	2,532 m	197.38		0 m	69 m
07R	197 ft	8,722 ft	65.48	ASPHALT	0 ft	0 ft
	60 m	2,658 m	63.95		0 m	0 m
25L	197 ft	8,722 ft	245.50	ASPHALT	0 ft	0 ft
	60 m	2,658 m	243.96		0 m	0 m
07L	197 ft	10,984 ft	65.48	ASPHALT	1,401 ft	0 ft
	60 m	3,348 m	63.94		427 m	0 m
25R	197 ft	10,984 ft	245.50	ASPHALT	0 ft	0 ft
	60 m	3,348 m	243.97		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02	DME	BLT	108.75 MHz	25 nm	-	-	12 ft
				46 km	-		12 m
07L	DME	QAA	110.30 MHz	18 nm	-	-	13 ft
				33 km	-		13 m
07R	DME	BLE	110.75 MHz	18 nm	-	-	30 ft
				33 km	-		30 m
25L	DME	BLW	111.50 MHz	18 nm	-	-	14 ft
				33 km	-		14 m
25R	DME	BCA	109.50 MHz	18 nm	-	-	30 ft
				33 km	-		30 m
02	LOC-ILS	BLT	108.75 MHz	18 nm	18.92	-	14 ft
				33 km	17.38		14 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07L	LOC-ILS	QAA	110.30 MHz	18 nm	65.50	-	14 ft
				33 km	63.96		14 m
07R	LOC-ILS	BLE	110.75 MHz	18 nm	65.50	-	14 ft
				33 km	63.96		14 m
25L	LOC-ILS	BLW	111.50 MHz	18 nm	245.50	-	14 ft
				33 km	243.96		14 m
25R	LOC-ILS	BCA	109.50 MHz	18 nm	245.50	-	14 ft
				33 km	243.96		14 m
02	GS	BLT	108.75 MHz	10 nm	18.92	3.00	14 ft
				19 km	17.38		14 m
07L	GS	QAA	110.30 MHz	10 nm	65.50	3.00	14 ft
				19 km	63.96		14 m
07R	GS	BLE	110.75 MHz	10 nm	65.50	3.00	14 ft
				19 km	63.96		14 m
25L	GS	BLW	111.50 MHz	10 nm	245.50	3.00	14 ft
				19 km	243.96		14 m
25R	GS	BCA	109.50 MHz	10 nm	245.50	3.00	14 ft
				19 km	243.96		14 m

## ENGM

Region: NORWAY  
Timezone: EUROPE/OSLO  
Runways: 2

Elevation: 681 ft / 208 m  
Location: 60.194500 11.098900  
Magnetic Var: 4.477 E

## METAR

ENGM 030250Z 01004KT CAVOK 03/M00 Q1020

## TAF

TAF ENGM 022300Z 0300/0324 03007KT CAVOK

## Frequencies

REC - 126.12 MHz - GARDERMOEN ARRIVAL INFORMATION  
CLD - 121.67 MHz - GARDERMOEN DELIVERY WEST  
GND - 121.75 MHz - GARDERMOEN GROUND  
GND - 121.90 MHz - GARDERMOEN GROUND EAST  
TWR - 120.10 MHz - GARDERMOEN TOWER  
APP - 120.45 MHz - OSLO APPROACH

REC - 127.15 MHz - GARDERMOEN DEPARTURE INFORMATION  
CLD - 121.92 MHz - GARDERMOEN DELIVERY EAST  
GND - 121.60 MHz - GARDERMOEN GROUND WEST  
TWR - 118.30 MHz - GARDERMOEN TOWER  
APP - 118.47 MHz - OSLO APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01R	148 ft	9,664 ft	16.01	ASPHALT	0 ft	486 ft
	45 m	2,946 m	11.53		0 m	148 m
19L	148 ft	9,664 ft	196.02	ASPHALT	0 ft	489 ft
	45 m	2,946 m	191.54		0 m	149 m
01L	148 ft	11,797 ft	15.99	ASPHALT	0 ft	423 ft
	45 m	3,596 m	11.52		0 m	129 m
19R	148 ft	11,797 ft	196.01	ASPHALT	0 ft	486 ft
	45 m	3,596 m	191.53		0 m	148 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01L	DME	OBW	110.30 MHz	18 nm	-	-	709 ft
				33 km	-		709 m
01R	DME	ONE	111.95 MHz	18 nm	-	-	723 ft
				33 km	-		723 m
19L	DME	GME	110.55 MHz	18 nm	-	-	729 ft
				33 km	-		729 m
19R	DME	GSW	111.30 MHz	18 nm	-	-	727 ft
				33 km	-		727 m
01L	LOC-ILS	OBW	110.30 MHz	18 nm	16.00	-	681 ft
				33 km	11.52		681 m
01R	LOC-ILS	ONE	111.95 MHz	18 nm	16.04	-	681 ft
				33 km	11.56		681 m
19L	LOC-ILS	GME	110.55 MHz	18 nm	196.04	-	681 ft
				33 km	191.56		681 m
19R	LOC-ILS	GSW	111.30 MHz	18 nm	196.00	-	681 ft
				33 km	191.52		681 m
01L	GS	OBW	110.30 MHz	10 nm	16.00	3.00	681 ft
				19 km	11.52		681 m
01R	GS	ONE	111.95 MHz	10 nm	16.04	3.00	681 ft
				19 km	11.56		681 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
19L	GS	GME	110.55 MHz	10 nm	196.04	3.00	681 ft
				19 km	191.56		681 m
19R	GS	GSW	111.30 MHz	10 nm	196.00	3.00	681 ft
				19 km	191.52		681 m