

ENGM

Oslo Gardermoen

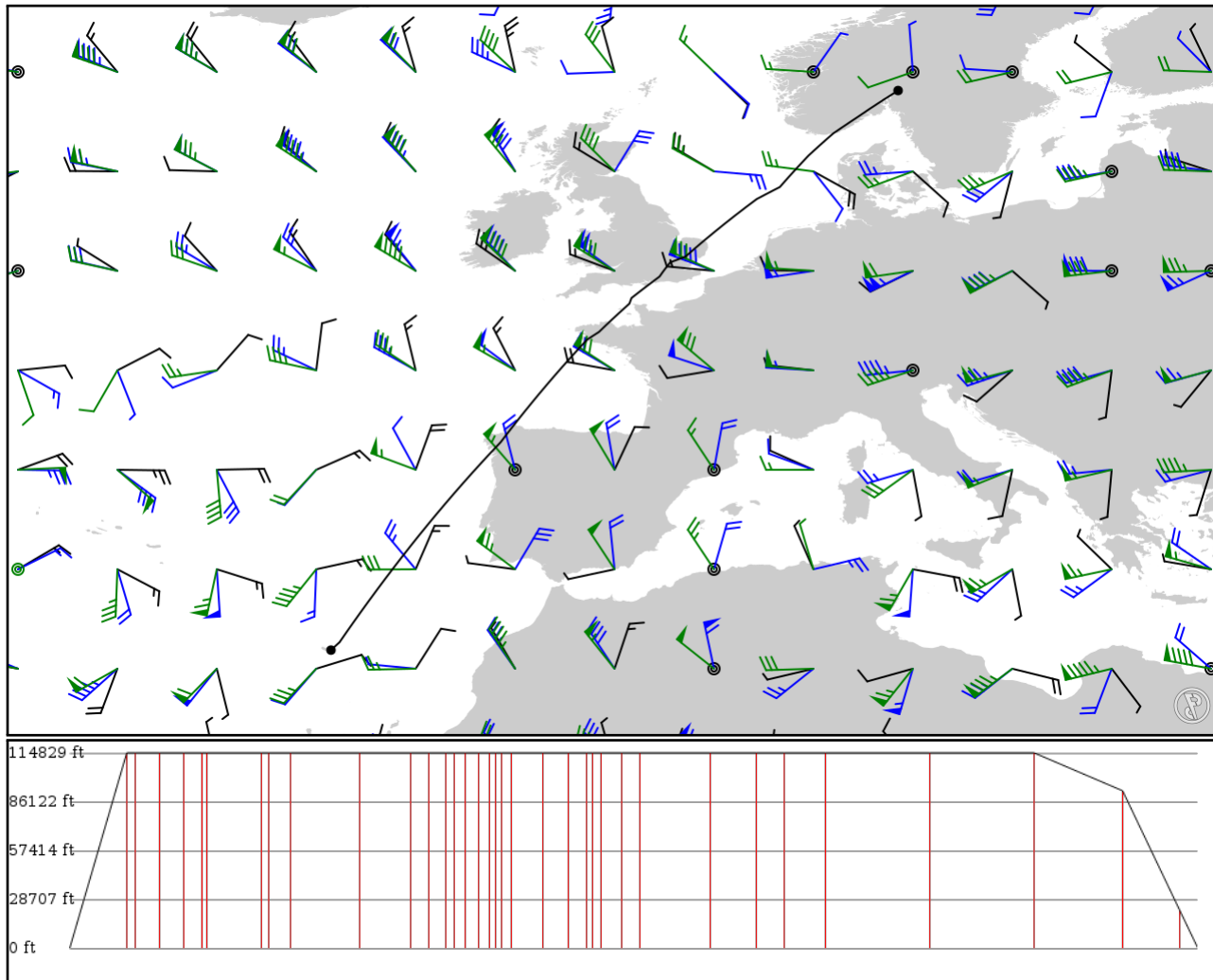
LPMA

Madeira/Funchal - Cristiano Ronaldo

2024/05/09 0248Z

ENGM PIPEX **M609** SVA **M604** DANKO **P850** GOLUM **P144** DIGSU **N866** BPK **UM185** MID **UL980** ORTAC **Q41** DOMOK
UN621 ARE **UN472** QPR **UN866** KORUL **R1** DEMOS **UN741** SNT LPMA

1998.79 nm / 3701.76 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- 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
ENGM	-	60.19450	0 ft	-	Oslo Gardermoen
APT	-	11.09890	0 m	-	
PIPEX	-	58.84730	35,000 ft	102	-
FIX	-	9.04226	10,668 m	-	
VAVET	M609	58.64620	35,000 ft	15	-
FIX	AWY-HI	8.73716	10,668 m	-	
SVA	M609	58.08450	35,000 ft	42	SVENSHEIA (KRISTIANSAND)
VOR	AWY-HI	7.90831	10,668 m	-	
LANTI	M604	57.48390	35,000 ft	42	-
FIX	AWY-HI	7.22743	10,668 m	-	
DANKO	M604	57.00000	35,000 ft	33	-
FIX	AWY-HI	6.69783	10,668 m	-	
OKMAM	P850	56.89610	35,000 ft	7	-
FIX	AWY-HI	6.59917	10,668 m	-	
GOLUM	P850	55.45000	35,000 ft	97	-
FIX	AWY-HI	5.28333	10,668 m	-	
SOPTO	P144	55.30560	35,000 ft	12	-
FIX	AWY-HI	5.00000	10,668 m	-	
LARGA	P144	54.86390	35,000 ft	39	-
FIX	AWY-HI	4.15333	10,668 m	-	
LATMU	P144	53.25690	35,000 ft	120	-
FIX	AWY-HI	2.08944	10,668 m	-	
DIGSU	P144	52.02390	35,000 ft	91	-
FIX	AWY-HI	0.63472	10,668 m	-	
BPK	N866	51.74970	35,000 ft	32	BROOKMANS PARK
VOR	AWY-HI	-0.10674	10,668 m	-	
OCK	UM185	51.30500	35,000 ft	29	OCKHAM
VOR	AWY-HI	-0.44718	10,668 m	-	
MID	UM185	51.05400	35,000 ft	16	MIDHURST
VOR	AWY-HI	-0.62500	10,668 m	-	
AVANT	UL980	50.82000	35,000 ft	18	-
FIX	AWY-HI	-0.93833	10,668 m	-	
KATHY	UL980	50.52060	35,000 ft	23	-
FIX	AWY-HI	-1.33333	10,668 m	-	
DOMUT	UL980	50.26190	35,000 ft	20	-
FIX	AWY-HI	-1.66917	10,668 m	-	
VEXEN	UL980	50.13940	35,000 ft	9	-
FIX	AWY-HI	-1.82611	10,668 m	-	
ORTAC	UL980	49.99920	35,000 ft	10	-
FIX	AWY-HI	-2.00500	10,668 m	-	
DOMOK	Q41	49.72440	35,000 ft	16	-
FIX	AWY-LO	-2.10500	10,668 m	-	
BASIK	UN621	48.95360	35,000 ft	56	-
FIX	AWY-HI	-2.95111	10,668 m	-	
ARE	UN621	48.33260	35,000 ft	45	MONTS D'ARREE
VOR	AWY-HI	-3.60247	10,668 m	-	
QPR	UN472	47.95730	35,000 ft	32	QUIMPER PLUGUFFAN
VOR	AWY-HI	-4.18472	10,668 m	-	
EBOMO	UN866	47.82110	35,000 ft	9	-
FIX	AWY-HI	-4.31256	10,668 m	-	
KEREB	UN866	47.59140	35,000 ft	16	-
FIX	AWY-HI	-4.52472	10,668 m	-	
COQUE	UN866	47.07920	35,000 ft	36	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-4.99056	10,668 m		
KOLEK	UN866	46.61280	35,000 ft	32	-
FIX	AWY-HI	-5.40806	10,668 m		
KORUL	UN866	44.83520	35,000 ft	124	-
FIX	AWY-HI	-6.91972	10,668 m		
KORAV	R1	43.65310	35,000 ft	81	-
FIX	AWY-LO	-7.86558	10,668 m		
STG	R1	42.92690	35,000 ft	50	SANTIAGO
VOR	AWY-LO	-8.42539	10,668 m		
DEMOS	R1	41.92570	35,000 ft	73	-
FIX	AWY-LO	-9.36200	10,668 m		
ASMAR	UN741	39.37250	35,000 ft	184	-
FIX	AWY-HI	-11.59560	10,668 m		
VERAM	UN741	36.77250	35,000 ft	184	-
FIX	AWY-HI	-13.67530	10,668 m		
PECKY	UN741	34.53030	28,200 ft	157	-
FIX	AWY-HI	-15.33780	8,595 m		
SNT	UN741	33.09040	6,800 ft	100	PORTO SANTO
VOR	AWY-HI	-16.35060	2,073 m		
LPMA	-	32.69790	0 ft	31	Madeira/Funchal - Cristiano Ronaldo
APT	-	-16.77440	0 m		

ENGM

Region: NORWAY
Timezone: EUROPE/OSLO
Runways: 2

Elevation: 681 ft / 208 m
Location: 60.194500 11.098900
Magnetic Var: 4.480 E

METAR

ENGM 090220Z 14005KT 9999 BKN005 07/06 Q1021

TAF

TAF ENGM 082300Z 0900/0924 14007KT 9999 BKN012 TEMPO 0900/0909 BKN006 BECMG 0907/0909 20010KT BECMG 0913/0915 SCT

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	11.51		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