

# ENGM

Oslo Gardermoen

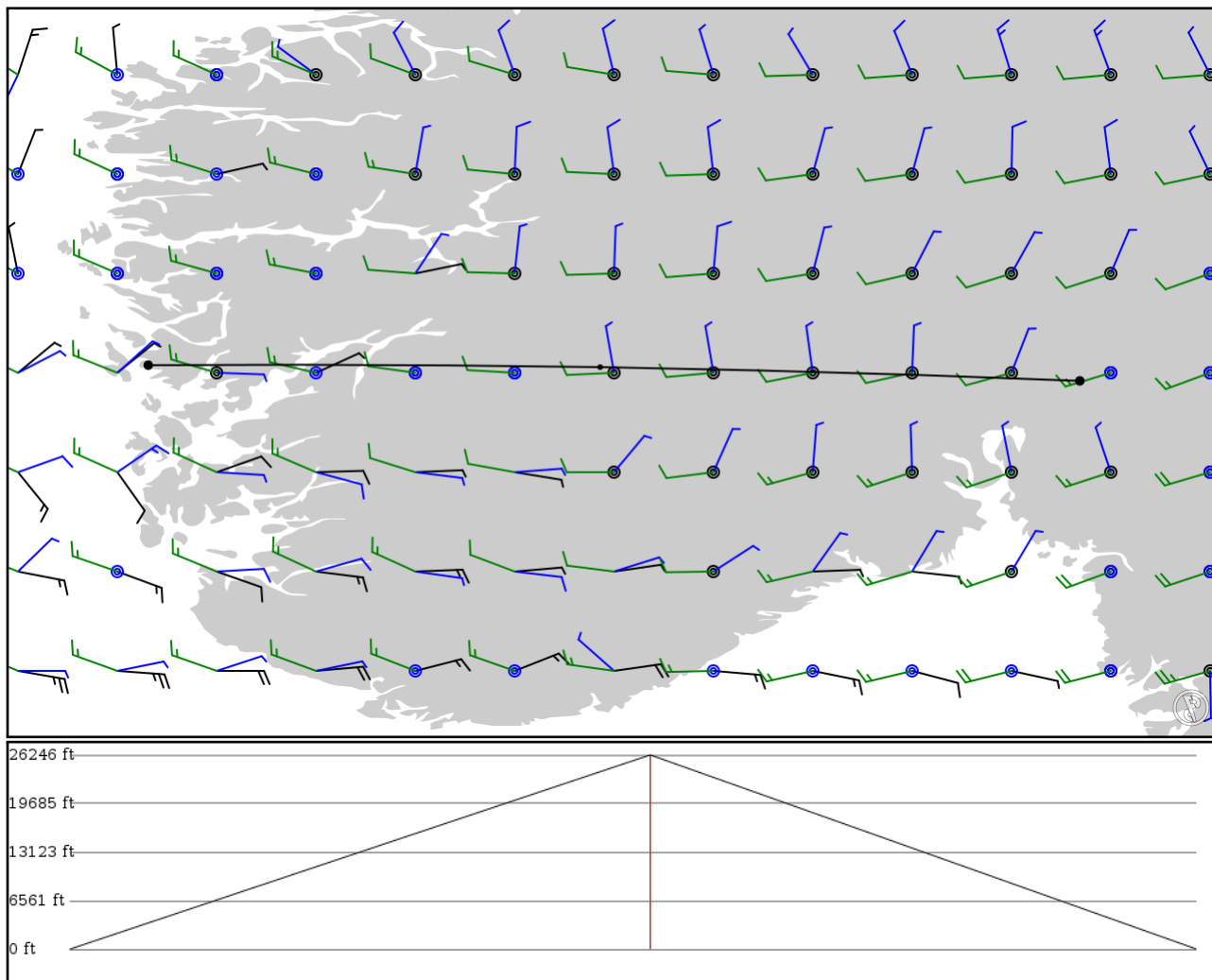
# ENBR

Bergen Lufthavn Flesland

2024/06/06 1438Z

ENGM XAROS ENBR

175.33 nm / 324.72 km



## Notes

Basic altitude profile:

- Ascent Rate: 500ft/min
- Ascent Speed: 70kts
- Cruise Altitude: 8000ft
- Cruise Speed: 90kts
- Descent Rate: 500ft/min
- Descent Speed: 70kts

Options:

- Use NATs: no
- Use PACOTS: no
- Use low airways: yes
- Use high airways: no



## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
ENGM	-	60.19450	0 ft	-	Oslo Gardermoen
APT	-	11.09890	0 m		
XAROS	-	60.28130	8,000 ft	90	-
FIX	-	8.07091	2,438 m		
ENBR	-	60.29360	0 ft	84	Bergen Lufthavn Flesland
APT	-	5.21806	0 m		

## ENGM

Region: NORWAY  
Timezone: EUROPE/OSLO  
Runways: 2

Elevation: 681 ft / 208 m  
Location: 60.194500 11.098900  
Magnetic Var: 4.493 E

## METAR

ENGM 061350Z 19015KT 9999 VCSH FEW042CB BKN150 13/04 Q1007 TEMPO SHRA

## TAF

TAF ENGM 061100Z 0612/0712 20015KT 9999 FEW030TCU SCT050 TEMPO 0612/0620 21018G28KT TSRA SCT030CB PROB30 0623/0700

## 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	11.51		0 m	148 m
19L	148 ft	9,664 ft	196.02	ASPHALT	0 ft	489 ft
	45 m	2,946 m	191.53		0 m	149 m
01L	148 ft	11,797 ft	15.99	ASPHALT	0 ft	423 ft
	45 m	3,596 m	11.50		0 m	129 m
19R	148 ft	11,797 ft	196.01	ASPHALT	0 ft	486 ft
	45 m	3,596 m	191.52		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	11.51		681 m
01R	LOC-ILS	ONE	111.95 MHz	18 nm	16.04	-	681 ft
				33 km	11.55		681 m
19L	LOC-ILS	GME	110.55 MHz	18 nm	196.04	-	681 ft
				33 km	191.55		681 m
19R	LOC-ILS	GSW	111.30 MHz	18 nm	196.00	-	681 ft
				33 km	191.51		681 m
01L	GS	OBW	110.30 MHz	10 nm	16.00	3.00	681 ft
				19 km	11.51		681 m
01R	GS	ONE	111.95 MHz	10 nm	16.04	3.00	681 ft
				19 km	11.55		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	191.55		681 m
19R	GS	GSW	111.30 MHz	10 nm	196.00	3.00	681 ft
				19 km	191.51		681 m

## ENBR

Region: NORWAY  
Timezone: EUROPE/OSLO  
Runways: 1

Elevation: 166 ft / 51 m  
Location: 60.293600 5.218060  
Magnetic Var: 2.003 E

## METAR

ENBR 061350Z 22015KT 9999 VCSH SCT020CB SCT030 BKN050 11/04 Q1008 RMK WIND 1200FT 22017KT

## TAF

TAF ENBR 061100Z 0612/0712 22012KT 9999 -SHRA SCT020TCU BKN040 TEMPO 0612/0706 SHRA BKN020CB PROB30 TEMPO 0612/06

## Frequencies

REC - 125.25 MHz - FLESLAND INFORMATION  
TWR - 119.10 MHz - FLESLAND TOWER  
APP - 125.00 MHz - FLESLAND APPROACH EAST  
GND - 121.90 MHz - FLESLAND GROUND  
APP - 121.00 MHz - FLESLAND APPROACH WEST  
CLD - 118.85 MHz - FLESLAND DIRECTOR

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17	148 ft	9,791 ft	170.53	ASPHALT	876 ft	0 ft
	45 m	2,984 m	168.52		267 m	0 m
35	148 ft	9,791 ft	350.53	ASPHALT	889 ft	0 ft
	45 m	2,984 m	348.53		271 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17	LOC-ILS	BR	109.90 MHz	18 nm	170.56	-	165 ft
				33 km	168.56		165 m
35	LOC-ILS	BG	110.50 MHz	18 nm	350.55	-	165 ft
				33 km	348.54		165 m
17	GS	BR	109.90 MHz	10 nm	170.53	3.10	166 ft
				19 km	168.53		166 m
35	GS	BG	110.50 MHz	10 nm	350.53	3.00	166 ft
				19 km	348.53		166 m