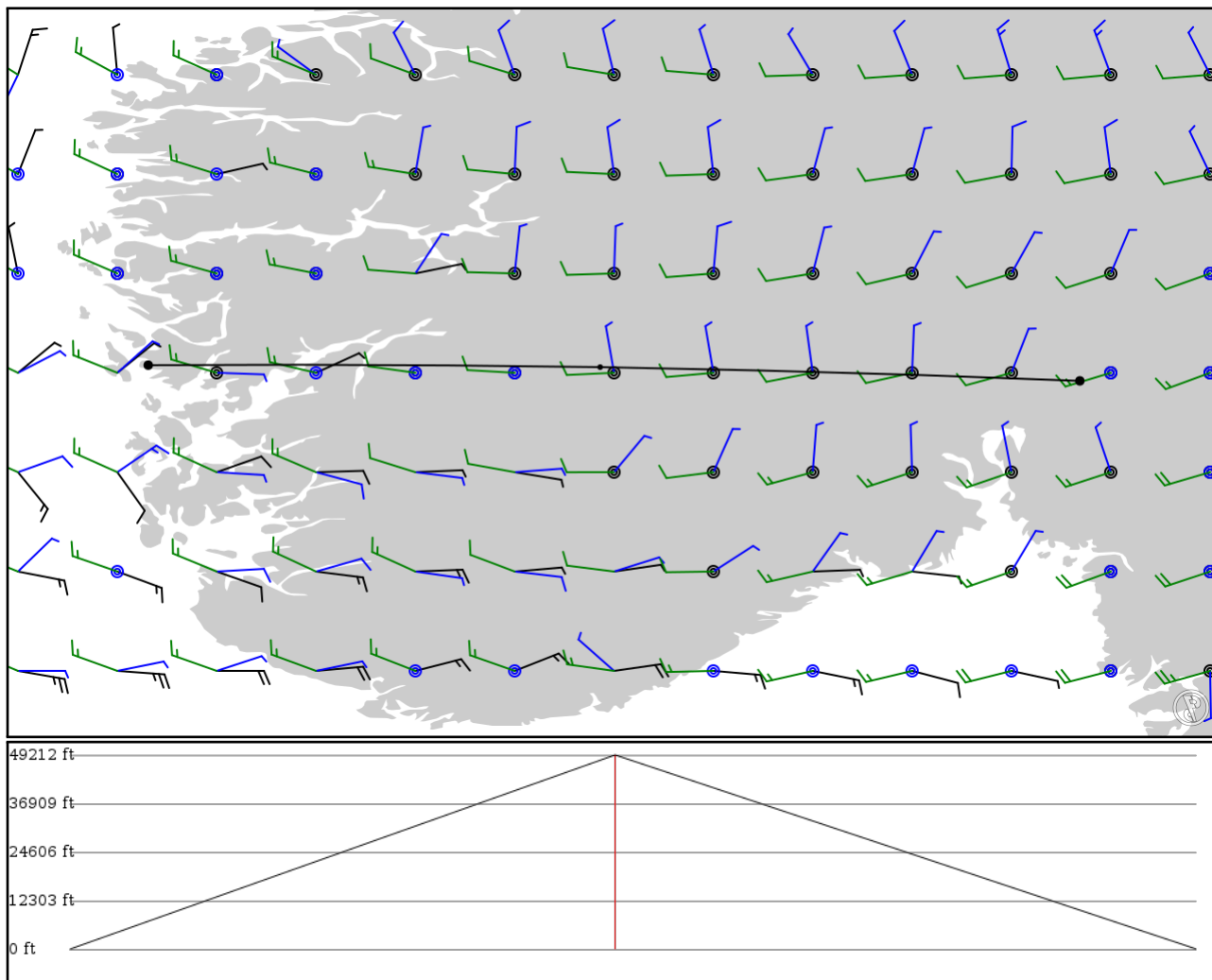


2024/05/11 0943Z

ENBR XAROS ENGM

175.33 nm / 324.72 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 15000ft
- 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
ENBR	-	60.29360	0 ft	-	Bergen Lufthavn Flesland
APT	-	5.21806	0 m		
XAROS	-	60.28130	15,000 ft	84	-
FIX	-	8.07091	4,572 m		
ENGM	-	60.19450	0 ft	90	Oslo Gardermoen
APT	-	11.09890	0 m		

ENBR

Region: NORWAY
Timezone: EUROPE/OSLO
Runways: 1

Elevation: 166 ft / 51 m
Location: 60.293600 5.218060
Magnetic Var: 1.990 E

METAR

ENBR 110920Z 22006KT 180V250 9999 BKN022 14/08 Q1024 NOSIG RMK WIND 1200FT 15014KT

TAF

TAF ENBR 110500Z 1106/1206 16005KT 9999 BKN030 PROB30 1121/1205 1500 BCFG BKN002

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	168.54		267 m	0 m
35	148 ft	9,791 ft	350.53	ASPHALT	889 ft	0 ft
	45 m	2,984 m	348.54		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	168.57		165 m
35	LOC-ILS	BG	110.50 MHz	18 nm	350.55	-	165 ft
				33 km	348.55		165 m
17	GS	BR	109.90 MHz	10 nm	170.53	3.10	166 ft
				19 km	168.54		166 m
35	GS	BG	110.50 MHz	10 nm	350.53	3.00	166 ft
				19 km	348.54		166 m

ENGM

Region: NORWAY
Timezone: EUROPE/OSLO
Runways: 2

Elevation: 681 ft / 208 m
Location: 60.194500 11.098900
Magnetic Var: 4.481 E

METAR

ENGM 110920Z 18007KT 150V210 CAVOK 15/02 Q1024 NOSIG

TAF

TAF ENGM 110500Z 1106/1206 VRB03KT CAVOK BECMG 1107/1109 19010KT TEMPO 1112/1118 FEW050TCU

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