

ENGM

Oslo Gardermoen

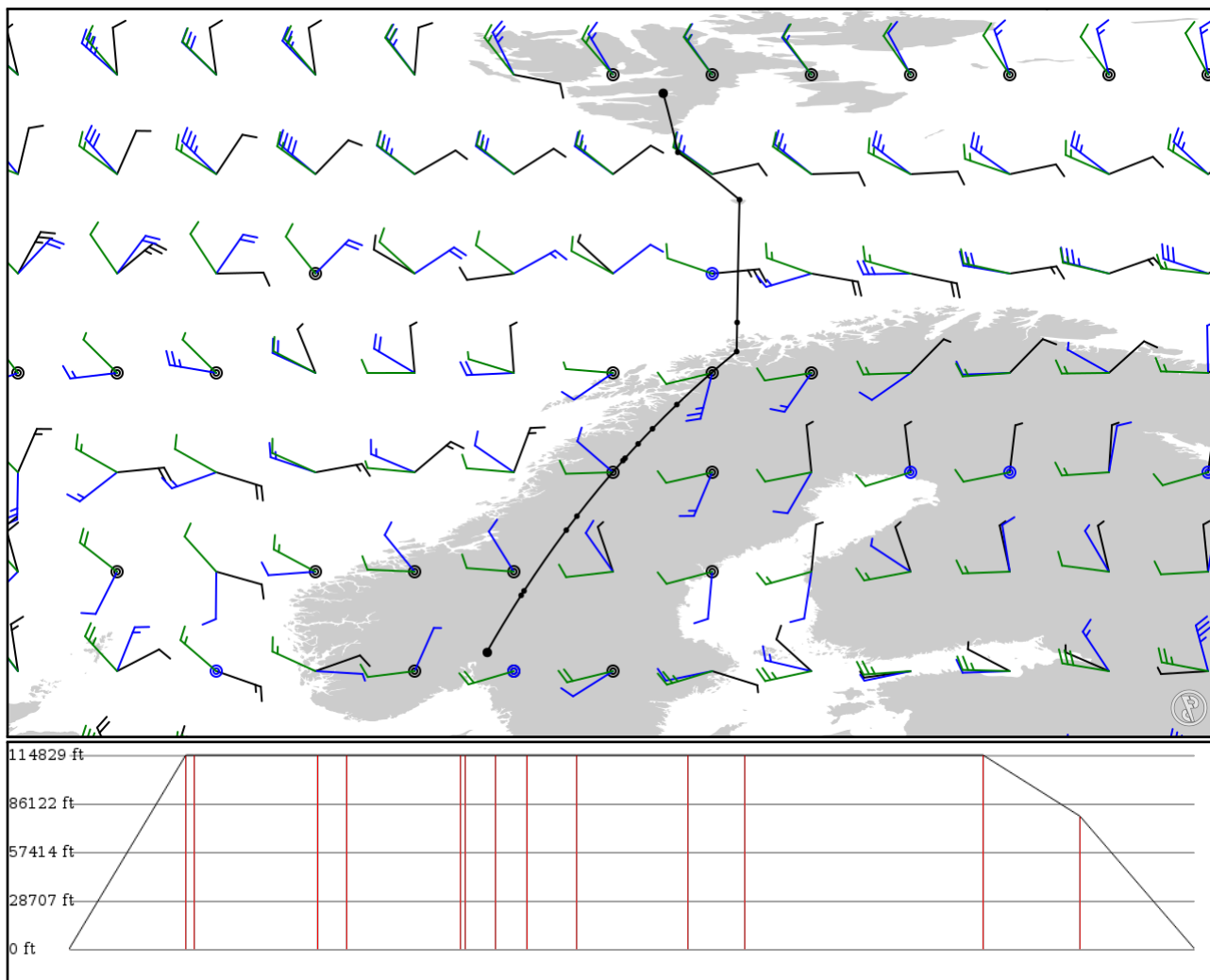
ENSA

Svea

2024/05/02 1954Z

ENGM GRM **UP600** RIGNA **P600** TRO **UP600** BARNI ENSA

1100.43 nm / 2037.99 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	-	60.19451	0 ft	-	Oslo Gardermoen
APT	-	11.09900	0 m		
GRM	-	60.19176	200 ft	0	GARDERMOEN VOR-DME
VOR	-	11.07442	61 m		
TORGA	UP600	62.00000	35,000 ft	113	-
FIX	AWY-HI	12.17194	10,668 m		
RIGNA	UP600	62.13889	35,000 ft	8	-
FIX	AWY-HI	12.26194	10,668 m		
BESLO	P600	64.05861	35,000 ft	120	-
FIX	AWY-LO	13.60056	10,668 m		
SOVIL	P600	64.50056	35,000 ft	27	-
FIX	AWY-LO	13.93667	10,668 m		
USIKI	P600	66.25750	35,000 ft	111	-
FIX	AWY-LO	15.39500	10,668 m		
LIDNA	P600	66.33111	35,000 ft	4	-
FIX	AWY-LO	15.46083	10,668 m		
ABAXI	P600	66.78500	35,000 ft	29	-
FIX	AWY-LO	15.87583	10,668 m		
TIPEL	P600	67.26194	35,000 ft	30	-
FIX	AWY-LO	16.33000	10,668 m		
GILEN	P600	68.02750	35,000 ft	49	-
FIX	AWY-LO	17.10111	10,668 m		
TRO	P600	69.70279	35,000 ft	108	TROMSO VOR-DME
VOR	AWY-LO	18.99675	10,668 m		
BETMA	UP600	70.62305	35,000 ft	55	-
FIX	AWY-HI	19.01126	10,668 m		
BJO	UP600	74.50194	35,000 ft	232	BJORNOYA NDB
NDB	AWY-HI	19.08617	10,668 m		
BARNI	UP600	76.00000	24,000 ft	94	-
FIX	AWY-HI	17.13194	7,315 m		
ENSA	-	77.86426	0 ft	112	Svea
APT	-	16.67035	0 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 021920Z 04003KT CAVOK 16/M00 Q1019 NOSIG

TAF

TAF ENGM 021700Z 0218/0318 03008KT 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