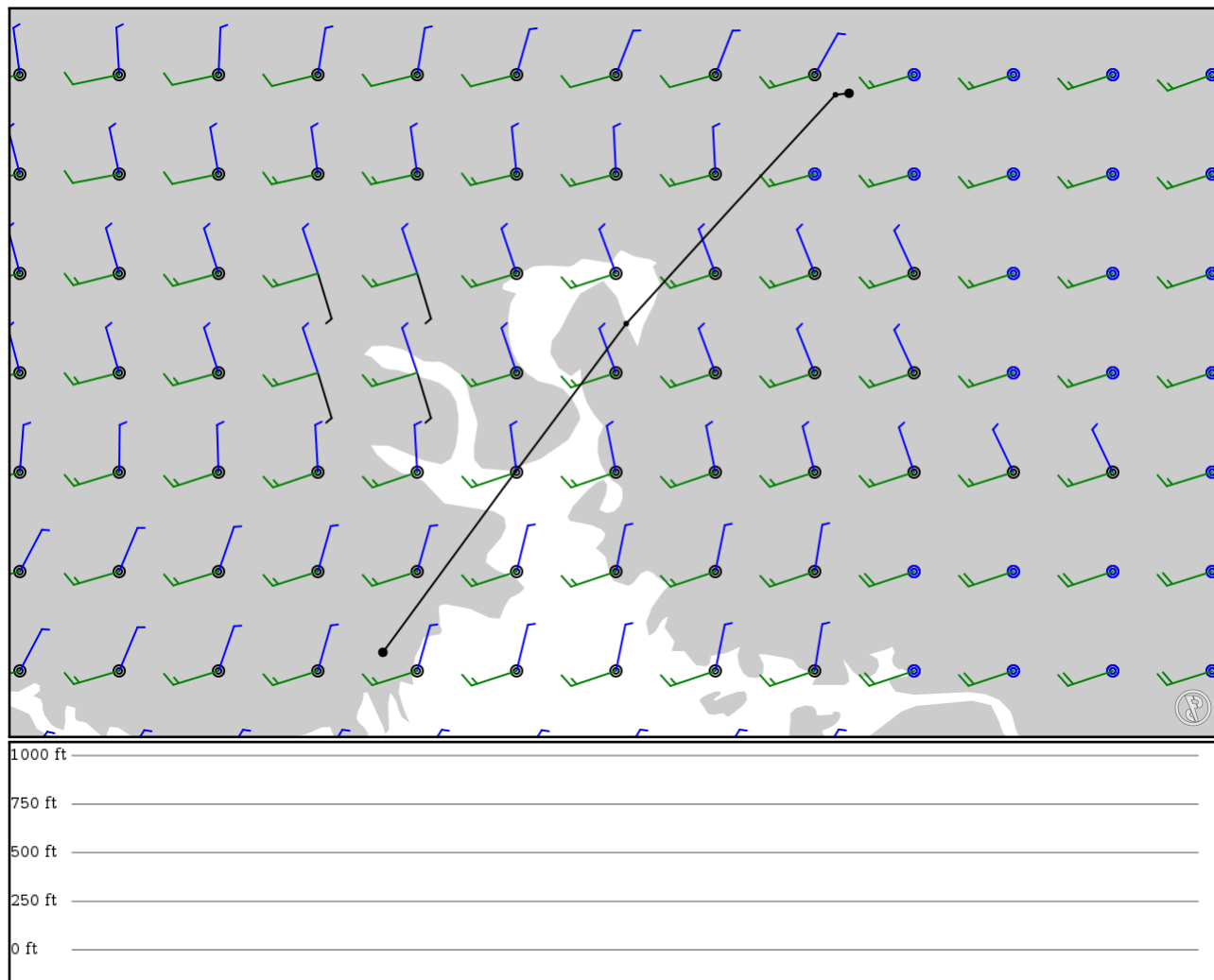


2024/05/18 0038Z
ENGM GRM BAMIX ENTO
66.01 nm / 122.24 km



Notes

Requested: ENGM GRM BAMIX ENTO

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
ENGM	-	60.19450	0 ft	-	Oslo Gardermoen
APT	-	11.09890	0 m		
GRM	-	60.19180	0 ft	0	GARDERMOEN VOR-DME
DME	-	11.07440	0 m		
BAMIX	-	59.77920	0 ft	27	-
FIX	-	10.69720	0 m		
ENTO	-	59.18680	0 ft	38	Sandefjord/Torp Airport
APT	-	10.25860	0 m		

ENGM

Region: NORWAY
Timezone: EUROPE/OSLO
Runways: 2

Elevation: 681 ft / 208 m
Location: 60.194500 11.098900
Magnetic Var: 4.484 E

METAR

ENGM 180020Z 03004KT CAVOK 09/03 Q1019

TAF

TAF ENGM 172300Z 1800/1824 36003KT CAVOK BECMG 1808/1810 19010KT BECMG 1819/1821 VRB03KT

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	11.52		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	191.52		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	11.52		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

ENTO

Region: NORWAY
Timezone: EUROPE/OSLO
Runways: 1

Elevation: 285 ft / 87 m
Location: 59.186800 10.258600
Magnetic Var: 4.066 E

METAR

ENTO 180020Z AUTO 33003KT 9999 NCD 13/04 Q1018

TAF

TAF ENTO 172300Z 1800/1824 02005KT CAVOK BECMG 1809/1811 19010KT BECMG 1816/1818 25008KT

Frequencies

REC - 119.07 MHz - ATIS
TWR - 118.65 MHz - TOWER

GND - 126.17 MHz - GROUND

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
18	148 ft	8,862 ft	179.32	ASPHALT	443 ft	443 ft
	45 m	2,701 m	175.25		135 m	135 m
36	148 ft	8,862 ft	359.32	ASPHALT	394 ft	489 ft
	45 m	2,701 m	355.25		120 m	149 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
36	DME	SFJ	110.95 MHz	25 nm	-	-	279 ft
				46 km	-		279 m
18	LOC-ILS	TP	108.30 MHz	18 nm	179.33	-	312 ft
				33 km	175.26		312 m
36	LOC-ILS	SFJ	110.95 MHz	18 nm	359.32	-	285 ft
				33 km	355.25		285 m
18	LOC-ILS	TRP	108.30 MHz	18 nm	179.32	-	285 ft
				33 km	175.25		285 m
18	GS	TP	108.30 MHz	10 nm	179.81	3.00	286 ft
				19 km	175.75		286 m
36	GS	SFJ	110.95 MHz	10 nm	359.32	3.00	285 ft
				19 km	355.25		285 m
18	GS	TRP	108.30 MHz	10 nm	179.32	3.00	285 ft
				19 km	175.25		285 m