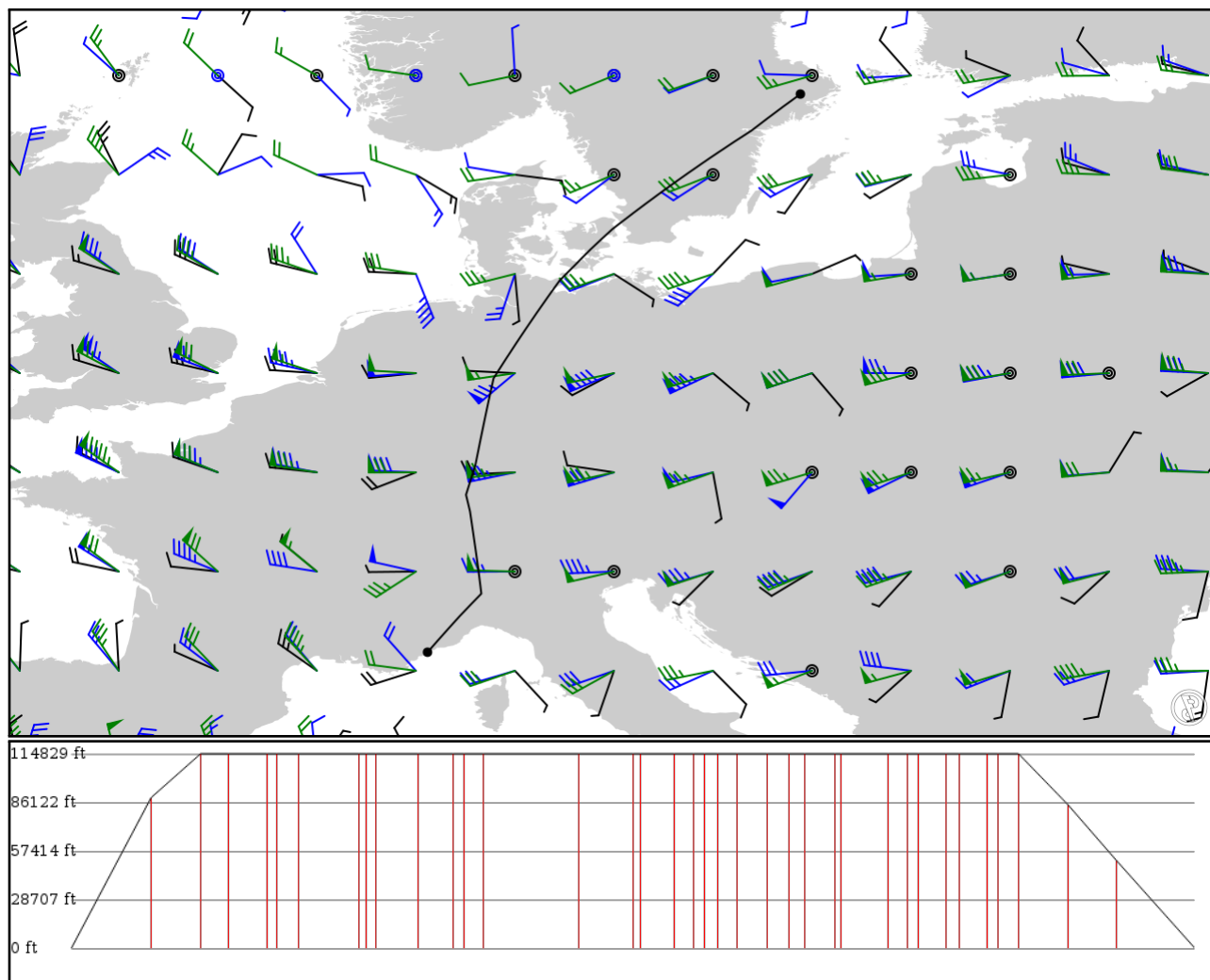


2024/05/07 0052Z

ESSA TONSA **N850** MIC **UN850** DEGAD **N850** EVANO **M984** NEDED LFMN

1068.84 nm / 1979.49 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
ESSA	-	59.65190	0 ft	-	Stockholm Arlanda
APT	-	17.91860	0 m	-	
TONSA	-	58.60910	27,100 ft	76	-
FIX	-	16.52030	8,260 m	-	-
ABAMA	N850	57.98660	35,000 ft	47	-
FIX	AWY-HI	15.56960	10,668 m	-	-
MOKNI	N850	57.64630	35,000 ft	25	-
FIX	AWY-HI	15.06810	10,668 m	-	-
NEMBA	N850	57.15870	35,000 ft	36	-
FIX	AWY-HI	14.37050	10,668 m	-	-
GELMA	N850	57.03960	35,000 ft	8	-
FIX	AWY-HI	14.20370	10,668 m	-	-
RASMU	N850	56.75840	35,000 ft	21	-
FIX	AWY-HI	13.81530	10,668 m	-	-
REKMO	N850	55.98940	35,000 ft	57	-
FIX	AWY-HI	12.79000	10,668 m	-	-
MISBI	N850	55.89860	35,000 ft	6	-
FIX	AWY-HI	12.67250	10,668 m	-	-
GOLMI	N850	55.77720	35,000 ft	8	-
FIX	AWY-HI	12.51640	10,668 m	-	-
MAXEL	N850	55.20920	35,000 ft	39	-
FIX	AWY-HI	11.90250	10,668 m	-	-
MARIP	N850	54.72310	35,000 ft	33	-
FIX	AWY-HI	11.42080	10,668 m	-	-
BAGOS	N850	54.57280	35,000 ft	10	-
FIX	AWY-LO	11.27000	10,668 m	-	-
MIC	N850	54.30550	35,000 ft	18	MICHAELSDORF
VOR	AWY-LO	11.00520	10,668 m	-	
AGATI	UN850	52.91170	35,000 ft	90	-
FIX	AWY-HI	10.02890	10,668 m	-	-
PERIK	UN850	52.10640	35,000 ft	52	-
FIX	AWY-HI	9.49556	10,668 m	-	-
BULAP	UN850	52.01670	35,000 ft	5	-
FIX	AWY-HI	9.43722	10,668 m	-	-
WRB	UN850	51.50570	35,000 ft	32	WARBURG
VOR	AWY-HI	9.11091	10,668 m	-	
RANAX	UN850	51.20720	35,000 ft	18	-
FIX	AWY-HI	9.04611	10,668 m	-	-
EDEGA	UN850	51.03470	35,000 ft	10	-
FIX	AWY-HI	9.00778	10,668 m	-	-
AMETU	UN850	50.83310	35,000 ft	12	-
FIX	AWY-HI	8.96444	10,668 m	-	-
SOGMI	UN850	50.52750	35,000 ft	18	-
FIX	AWY-HI	8.89917	10,668 m	-	-
BOMBI	UN850	50.05670	35,000 ft	28	-
FIX	AWY-HI	8.80028	10,668 m	-	-
GIGET	UN850	49.70110	35,000 ft	21	-
FIX	AWY-HI	8.72667	10,668 m	-	-
ABUKA	UN850	49.46530	35,000 ft	14	-
FIX	AWY-HI	8.67917	10,668 m	-	-
KRH	UN850	48.99290	35,000 ft	28	KARLSRUHE
VOR	AWY-HI	8.58424	10,668 m	-	
EPIXU	UN850	48.88640	35,000 ft	6	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	8.54972	10,668 m		
NATOR	UN850	48.17000	35,000 ft	43	-
FIX	AWY-HI	8.32126	10,668 m		
TITIX	UN850	47.85830	35,000 ft	18	-
FIX	AWY-HI	8.39667	10,668 m		
TRA	UN850	47.68950	35,000 ft	10	TRASADINGEN
VOR	AWY-HI	8.43697	10,668 m		
RIPUS	UN850	47.26030	35,000 ft	25	-
FIX	AWY-HI	8.50000	10,668 m		
GERSA	UN850	47.03940	35,000 ft	13	-
FIX	AWY-HI	8.53211	10,668 m		
SOSON	UN850	46.60670	35,000 ft	26	-
FIX	AWY-HI	8.59417	10,668 m		
DEGAD	UN850	46.43610	35,000 ft	10	-
FIX	AWY-HI	8.61833	10,668 m		
ODINA	N850	46.10440	35,000 ft	20	-
FIX	AWY-HI	8.66492	10,668 m		
EVANO	N850	45.33750	25,800 ft	46	-
FIX	AWY-HI	8.76083	7,864 m		
NEDED	M984	44.69390	15,800 ft	46	-
FIX	AWY-HI	8.14056	4,816 m		
LFMN	-	43.65840	0 ft	73	Nice/Cote d'Azur
APT	-	7.21578	0 m		

ESSA

Region: SWEDEN
Timezone: EUROPE/STOCKHOLM
Runways: 3

Elevation: 138 ft / 42 m
Location: 59.651900 17.918600
Magnetic Var: 7.120 E

METAR

ESSA 070020Z 34007KT CAVOK M01/M03 Q1018 NOSIG

TAF

TAF ESSA 062330Z 0700/0724 35009KT CAVOK

Frequencies

REC - 119.00 MHz - ATIS	REC - 121.62 MHz - ATIS
APP - 123.75 MHz - STOCKHOLM CONTROL APPROACH	APP - 120.15 MHz - STOCKHOLM CONTROL APPROACH
APP - 126.65 MHz - STOCKHOLM CONTROL APPROACH	DEP - 123.75 MHz - STOCKHOLM CONTROL DEPARTURE
DEP - 120.15 MHz - STOCKHOLM CONTROL DEPARTURE	DEP - 126.65 MHz - STOCKHOLM CONTROL DEPARTURE
TWR - 118.50 MHz - ARLANDA TOWER	TWR - 125.12 MHz - ARLANDA TOWER
TWR - 128.72 MHz - ARLANDA TOWER	TWR - 123.10 MHz - ARLANDA TOWER
GND - 121.70 MHz - ARLANDA GROUND	GND - 121.97 MHz - ARLANDA GROUND
GND - 121.92 MHz - ARLANDA GROUND	CLD - 121.82 MHz - CLEARANCE DELIVERY

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01L	148 ft	10,817 ft	10.38	ASPHALT	0 ft	154 ft
	45 m	3,297 m	3.26		0 m	47 m
19R	148 ft	10,817 ft	190.38	ASPHALT	0 ft	164 ft
	45 m	3,297 m	183.26		0 m	50 m
01R	148 ft	8,151 ft	10.38	ASPHALT	0 ft	223 ft
	45 m	2,484 m	3.26		0 m	68 m
19L	148 ft	8,151 ft	190.38	ASPHALT	0 ft	0 ft
	45 m	2,484 m	183.26		0 m	0 m
08	148 ft	8,180 ft	75.84	ASPHALT	0 ft	161 ft
	45 m	2,493 m	68.72		0 m	49 m
26	148 ft	8,180 ft	255.88	ASPHALT	0 ft	161 ft
	45 m	2,493 m	248.76		0 m	49 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01L	LOC-ILS	SSA	109.90 MHz	18 nm	10.38	-	138 ft
				33 km	3.26		138 m
01R	LOC-ILS	TSA	109.35 MHz	18 nm	10.38	-	138 ft
				33 km	3.26		138 m
19L	LOC-ILS	USA	111.35 MHz	18 nm	190.38	-	138 ft
				33 km	183.26		138 m
19R	LOC-ILS	NSA	110.70 MHz	18 nm	190.38	-	138 ft
				33 km	183.26		138 m
26	LOC-ILS	ESA	110.10 MHz	18 nm	255.86	-	138 ft
				33 km	248.74		138 m
08	LOC-LOC	WSA	109.55 MHz	18 nm	75.86	-	138 ft
				33 km	68.74		138 m
01L	GS	SSA	109.90 MHz	10 nm	10.38	3.00	138 ft
				19 km	3.26		138 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01R	GS	TSA	109.35 MHz	10 nm	10.38	3.00	138 ft
				19 km	3.26		138 m
19L	GS	USA	111.35 MHz	10 nm	190.38	3.00	138 ft
				19 km	183.26		138 m
19R	GS	NSA	110.70 MHz	10 nm	190.38	3.00	138 ft
				19 km	183.26		138 m
26	GS	ESA	110.10 MHz	10 nm	255.86	3.00	138 ft
				19 km	248.74		138 m

LFMN

Region: FRANCE
Timezone: UNKNOWN
Runways: 2

Elevation: 12 ft / 4 m
Location: 43.658400 7.215760
Magnetic Var: 2.735 E

METAR

LFMN 070030Z 32006KT 9999 SCT012 BKN080 16/10 Q1013 NOSIG

TAF

TAF LFMN 062000Z 0621/0803 VRB04KT CAVOK PROB40 TEMPO 0623/0706 34010KT BKN014 BECMG 0709/0711 FEW070TCU PROB40 T

Frequencies

REC - 129.60 MHz - NICE ATIS	GND - 121.70 MHz - NICE GROUND
TWR - 118.70 MHz - NICE TOWER	TWR - 123.15 MHz - NICE TOWER
APP - 134.47 MHz - NICE WEST APPROACH	APP - 120.65 MHz - NICE APPROACH
APP - 128.20 MHz - NICE APPROACH	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
04R	148 ft	9,706 ft	44.86	ASPHALT	0 ft	417 ft
	45 m	2,958 m	42.13		0 m	127 m
22L	148 ft	9,706 ft	224.88	ASPHALT	0 ft	525 ft
	45 m	2,958 m	222.14		0 m	160 m
04L	148 ft	8,992 ft	44.86	ASPHALT	0 ft	161 ft
	45 m	2,741 m	42.12		0 m	49 m
22R	148 ft	8,992 ft	224.88	ASPHALT	564 ft	0 ft
	45 m	2,741 m	222.14		172 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
04L	DME	NI	109.95 MHz	27 nm	-	-	12 ft
				50 km	-		12 m
04R	DME	NA	110.70 MHz	27 nm	-	-	12 ft
				50 km	-		12 m
04L	LOC-ILS	NI	109.95 MHz	18 nm	44.87	-	12 ft
				33 km	42.13		12 m
04R	LOC-ILS	NA	110.70 MHz	18 nm	44.87	-	12 ft
				33 km	42.13		12 m
04L	GS	NI	109.95 MHz	10 nm	44.87	3.00	12 ft
				19 km	42.13		12 m
04R	GS	NA	110.70 MHz	10 nm	44.87	3.00	12 ft
				19 km	42.13		12 m