ESMS
Malmo Sturup

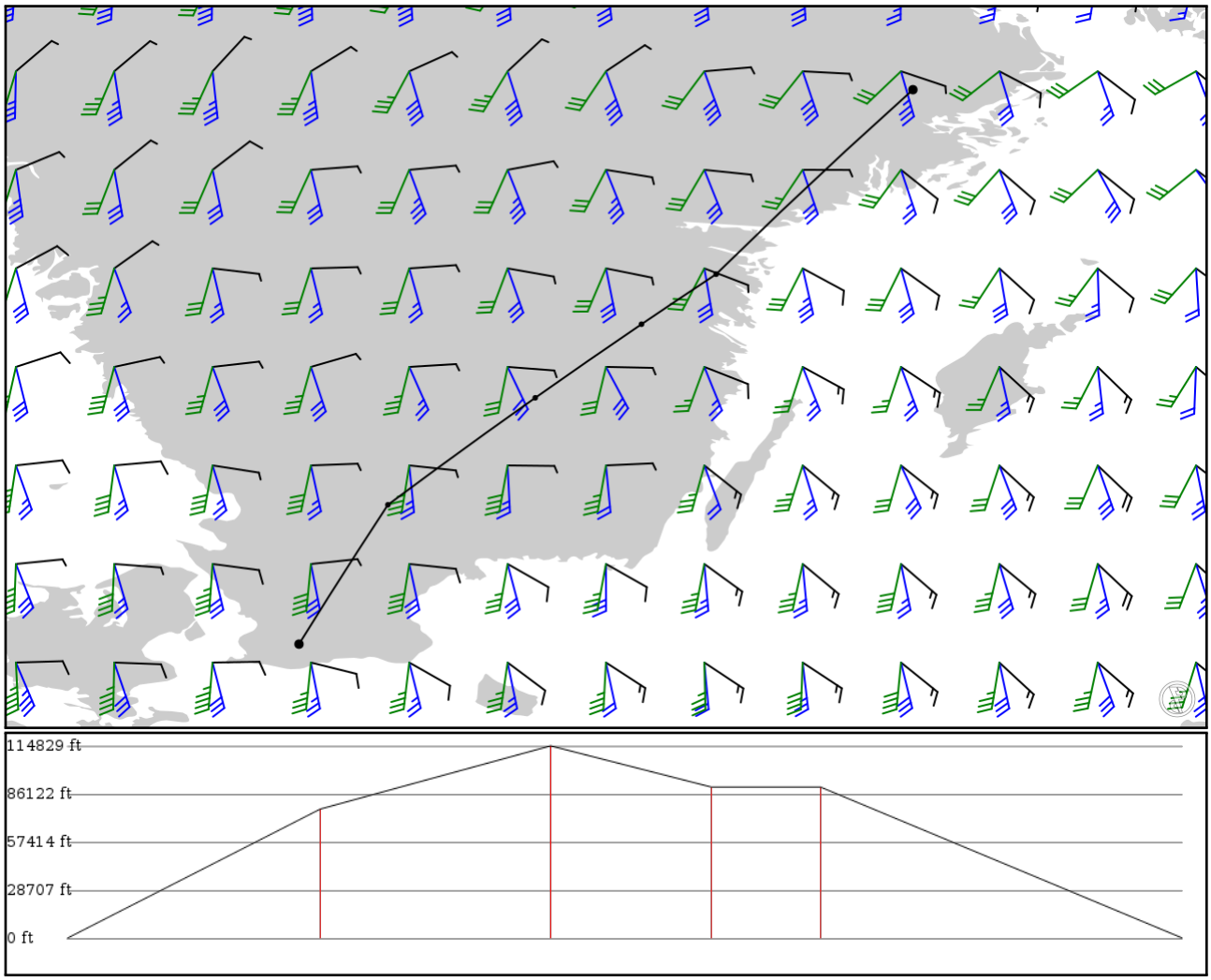
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ESSA
Stockholm Arlanda

2024/03/28 0822Z

ESMS ROXEN **UN851** PELUP ESSA

289.86 nm / 536.82 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
ESMS APT	–	55.52888 13.37111	0 ft 0 m	–	Malmo Sturup
ROXEN FIX	–	56.56453 14.03333	23,500 ft 7,163 m	66	–
BEDOS FIX	UN851 AWY-HI	57.35981 15.13064	35,000 ft 10,668 m	59	–
MIKNA FIX	UN851 AWY-HI	57.90703 15.92197	27,500 ft 8,382 m	41	–
PELUP FIX	UN851 AWY-HI	58.27883 16.47792	27,500 ft 8,382 m	28	–
ESSA APT	–	59.65014 17.94363	0 ft 0 m	94	Stockholm Arlanda

ESMS

Region: SWEDEN
Timezone: EUROPE/STOCKHOLM
Runways: 2

Elevation: 237 ft / 72 m
Location: 55.528900 13.371100
Magnetic Var: 4.882 E

METAR

ESMS 280750Z 11011KT CAVOK 10/06 Q0983

TAF

TAF TAF ESMS 280804Z 2809/2909 11010KT 9999 SCT040 TEMPO 2809/2811 BKN008 BECMG 2811/2813 13014KT 2500 RA BR BKN00

Frequencies

REC - 129.27 MHz - MALMO ATIS
TWR - 121.70 MHz - MALMO TOWER
APP - 135.90 MHz - MALMO APPROACH
TWR - 118.80 MHz - MALMO TOWER
APP - 135.12 MHz - MALMO APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
11	59 ft 18 m	2,575 ft 785 m	105.36 100.48	ASPHALT	0 ft 0 m	0 ft 0 m
29	59 ft 18 m	2,575 ft 785 m	285.37 280.49	ASPHALT	0 ft 0 m	0 ft 0 m
17	148 ft 45 m	9,181 ft 2,798 m	173.36 168.48	ASPHALT	0 ft 0 m	0 ft 0 m
35	148 ft 45 m	9,181 ft 2,798 m	353.37 348.49	ASPHALT	0 ft 0 m	0 ft 0 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17	LOC-ILS	NMS	111.90 MHz	18 nm 33 km	173.37 168.49	-	237 ft 237 m
35	LOC-ILS	SMS	108.10 MHz	18 nm 33 km	353.37 348.49	-	237 ft 237 m
17	GS	NMS	111.90 MHz	10 nm 19 km	173.37 168.49	3.00	237 ft 237 m
35	GS	SMS	108.10 MHz	10 nm 19 km	353.37 348.49	3.00	237 ft 237 m

ESSA

Region: SWEDEN
Timezone: EUROPE/STOCKHOLM
Runways: 3

Elevation: 138 ft / 42 m
Location: 59.651900 17.918600
Magnetic Var: 7.103 E

METAR

ESSA 280750Z 11008KT CAVOK 07/02 Q0994 NOSIG

TAF

TAF ESSA 280530Z 2806/2906 08007KT CAVOK TEMPO 2818/2906 4000 RA BKN005

Frequencies

REC - 119.00 MHz - ATIS
APP - 123.75 MHz - STOCKHOLM CONTROL APPROACH
APP - 126.65 MHz - STOCKHOLM CONTROL APPROACH
DEP - 120.15 MHz - STOCKHOLM CONTROL DEPARTURE
TWR - 118.50 MHz - ARLANDA TOWER
TWR - 128.72 MHz - ARLANDA TOWER
GND - 121.70 MHz - ARLANDA GROUND
GND - 121.92 MHz - ARLANDA GROUND

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

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01L	148 ft 45 m	10,817 ft 3,297 m	10.38 3.27	ASPHALT	0 ft 0 m	154 ft 47 m
19R	148 ft 45 m	10,817 ft 3,297 m	190.38 183.28	ASPHALT	0 ft 0 m	164 ft 50 m
01R	148 ft 45 m	8,151 ft 2,484 m	10.38 3.27	ASPHALT	0 ft 0 m	223 ft 68 m
19L	148 ft 45 m	8,151 ft 2,484 m	190.38 183.28	ASPHALT	0 ft 0 m	0 ft 0 m
08	148 ft 45 m	8,180 ft 2,493 m	75.84 68.74	ASPHALT	0 ft 0 m	161 ft 49 m
26	148 ft 45 m	8,180 ft 2,493 m	255.88 248.78	ASPHALT	0 ft 0 m	161 ft 49 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01L	LOC-ILS	SSA	109.90 MHz	18 nm 33 km	10.38 3.28	-	138 ft 138 m
01R	LOC-ILS	TSA	109.35 MHz	18 nm 33 km	10.38 3.28	-	138 ft 138 m
19L	LOC-ILS	USA	111.35 MHz	18 nm 33 km	190.38 183.28	-	138 ft 138 m
19R	LOC-ILS	NSA	110.70 MHz	18 nm 33 km	190.38 183.28	-	138 ft 138 m
26	LOC-ILS	ESA	110.10 MHz	18 nm 33 km	255.86 248.76	-	138 ft 138 m
08	LOC-LOC	WSA	109.55 MHz	18 nm 33 km	75.86 68.76	-	138 ft 138 m
01L	GS	SSA	109.90 MHz	10 nm 19 km	10.38 3.28	3.00	138 ft 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	3.28		138 m
19L	GS	USA	111.35 MHz	10 nm	190.38	3.00	138 ft
				19 km	183.28		138 m
19R	GS	NSA	110.70 MHz	10 nm	190.38	3.00	138 ft
				19 km	183.28		138 m
26	GS	ESA	110.10 MHz	10 nm	255.86	3.00	138 ft
				19 km	248.76		138 m