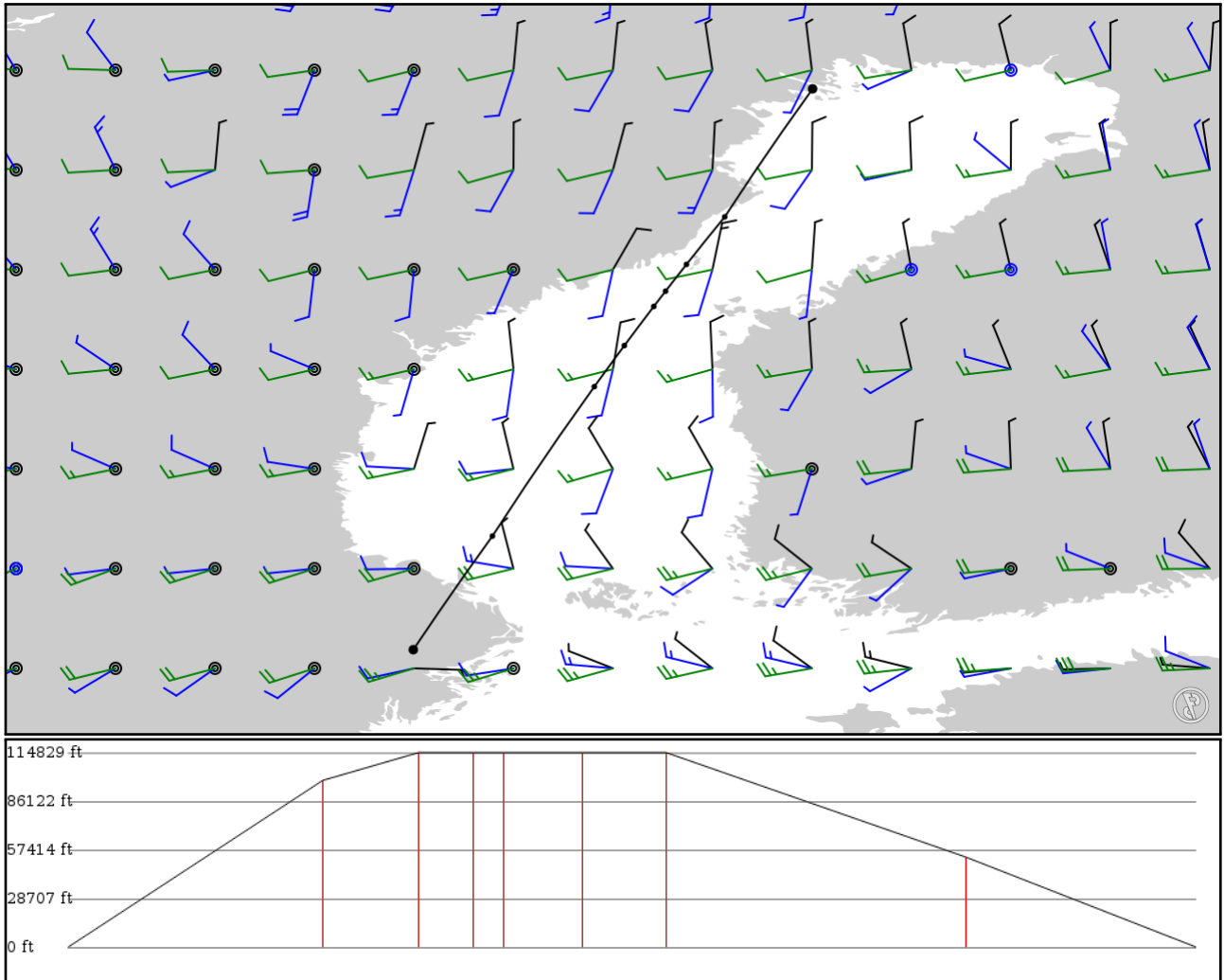


2024/05/06 0316Z

ESPA KETEL T31 SIPRI ESSA

372.46 nm / 689.79 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
ESPA	-	65.54380	0 ft	-	Lulea Kallax
APT	-	22.12200	0 m	-	
KETEL	-	64.19910	30,000 ft	84	-
FIX	-	21.19720	9,144 m	-	-
ROSMO	T31	63.69960	35,000 ft	31	-
FIX	AWY-HI	20.79420	10,668 m	-	-
VALAK	T31	63.41860	35,000 ft	17	-
FIX	AWY-HI	20.57420	10,668 m	-	-
DEDIT	T31	63.25830	35,000 ft	10	-
FIX	AWY-HI	20.45060	10,668 m	-	-
GALPI	T31	62.84690	35,000 ft	26	-
FIX	AWY-HI	20.14030	10,668 m	-	-
BODRI	T31	62.41500	35,000 ft	27	-
FIX	AWY-HI	19.82420	10,668 m	-	-
SIPRI	T31	60.84560	16,200 ft	99	-
FIX	AWY-HI	18.75170	4,938 m	-	-
ESSA	-	59.65190	0 ft	75	Stockholm Arlanda
APT	-	17.91860	0 m	-	

ESPA

Region: SWEDEN
Timezone: EUROPE/STOCKHOLM
Runways: 1

Elevation: 64 ft / 20 m
Location: 65.543800 22.122000
Magnetic Var: 10.546 E

METAR

ESPA 060250Z AUTO 32005KT 9999 OVC056/// 01/M05 Q1019

TAF

UNKNOWN

Frequencies

TWR - 128.20 MHz - KALLAX TOWER
APP - 130.80 MHz - KALLAX CONTROL

APP - 124.45 MHz - KALLAX CONTROL
APP - 119.00 MHz - KALLAX PRECISION

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
14	148 ft	10,957 ft	137.32	ASPHALT	0 ft	200 ft
	45 m	3,340 m	126.77		0 m	61 m
32	148 ft	10,957 ft	317.36	ASPHALT	0 ft	200 ft
	45 m	3,340 m	306.82		0 m	61 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
32	DME	SPA	109.90 MHz	18 nm	-	-	45 ft
				33 km	-		45 m
14	LOC-ILS	PA	110.30 MHz	18 nm	137.35	-	64 ft
				33 km	126.80		64 m
32	LOC-ILS	SPA	109.90 MHz	18 nm	317.35	-	64 ft
				33 km	306.80		64 m
14	GS	PA	110.30 MHz	10 nm	137.35	2.86	64 ft
				19 km	126.80		64 m
32	GS	SPA	109.90 MHz	10 nm	317.35	2.86	64 ft
				19 km	306.80		64 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 060250Z 06007KT CAVOK 06/00 Q1010 NOSIG

TAF

TAF ESSA 060230Z 0603/0703 06007KT 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	183.27		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