

# ESSA

Stockholm Arlanda

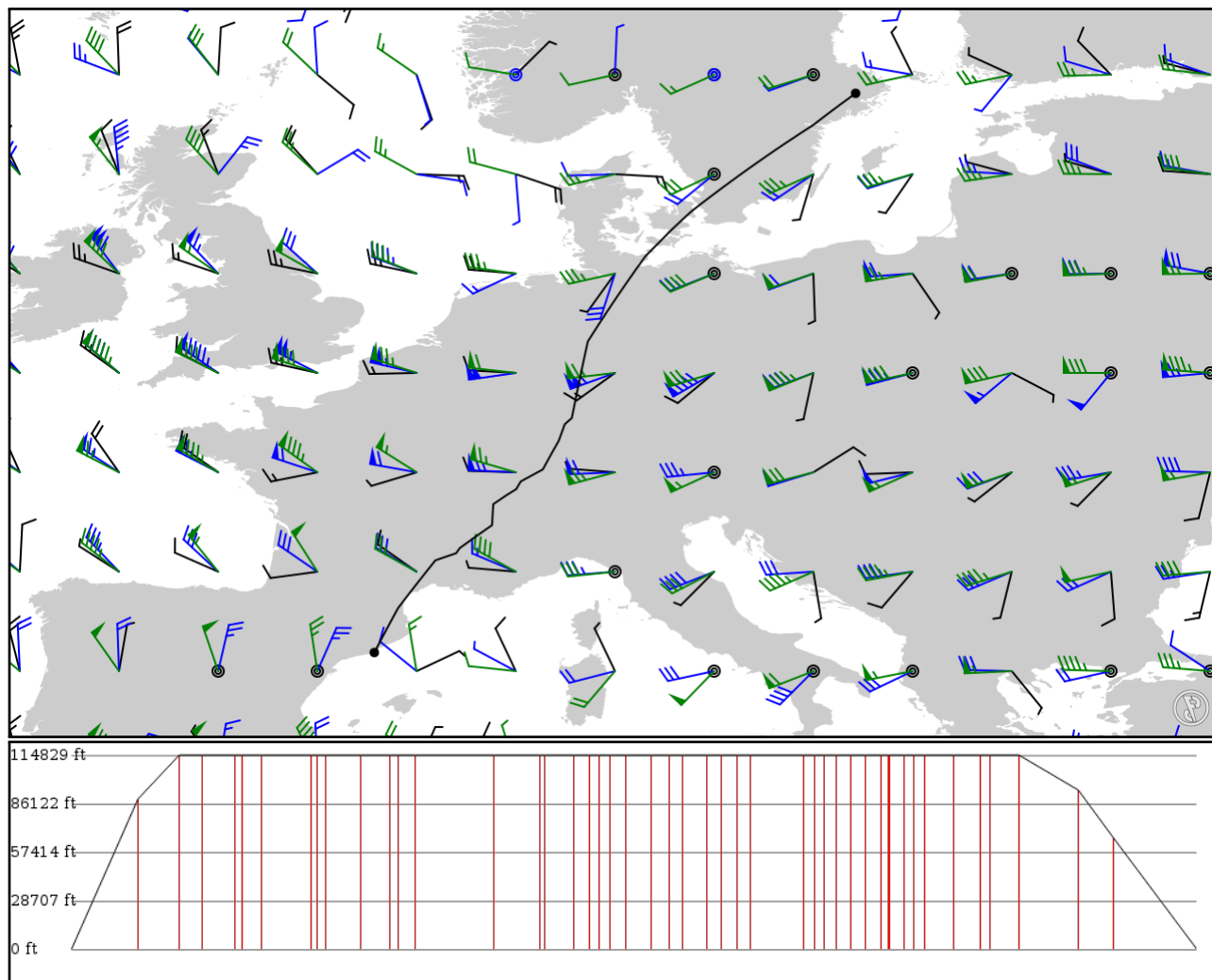
# LEBL

Josep Tarradellas Barcelona-El Prat

2024/05/19 1428Z

ESSA TONSA **N850** MIC **UN850** KRH **T715** PABLA **Y163** HERBI **Y164** OLBEN **UN869** NEMOS **Y58** GVA **G5** PAS **R226**  
BALSI **UY16** MTL **UZ38** PPG LEBL

1284.65 nm / 2379.18 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	-	
PABLA	T715	48.78860	35,000 ft	15	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	8.35197	10,668 m		
HERBI	Y163	48.49080	35,000 ft	18	-
FIX	AWY-HI	8.24361	10,668 m		
MOPAN	Y164	48.24640	35,000 ft	15	-
FIX	AWY-HI	8.15454	10,668 m		
OLBEN	Y164	47.30440	35,000 ft	60	-
FIX	AWY-HI	7.62944	10,668 m		
LUTIX	UN869	47.16500	35,000 ft	13	-
FIX	AWY-HI	7.37056	10,668 m		
BENOT	UN869	47.05770	35,000 ft	10	-
FIX	AWY-HI	7.17281	10,668 m		
NEMOS	UN869	46.91190	35,000 ft	13	-
FIX	AWY-HI	6.90656	10,668 m		
VADAR	Y58	46.65720	35,000 ft	16	-
FIX	AWY-HI	6.75361	10,668 m		
SPR	Y58	46.46870	35,000 ft	16	ST PREX
VOR	AWY-HI	6.44806	10,668 m		
GVA	Y58	46.25390	35,000 ft	18	GENEVA
VOR	AWY-HI	6.13222	10,668 m		
PAS	G5	46.16370	35,000 ft	7	PASSEIRY
VOR	AWY-LO	5.99992	10,668 m		
PAS01	R226	46.14330	35,000 ft	1	-
FIX	AWY-LO	6.00000	10,668 m		
RUMIL	R226	45.86190	35,000 ft	16	-
FIX	AWY-LO	5.98139	10,668 m		
BEVEN	R226	45.68860	35,000 ft	10	-
FIX	AWY-LO	5.97278	10,668 m		
BALSI	R226	45.47740	35,000 ft	12	-
FIX	AWY-LO	5.96075	10,668 m		
ETIDO	UY16	45.09170	35,000 ft	32	-
FIX	AWY-HI	5.41139	10,668 m		
KURIR	UY16	44.72550	35,000 ft	30	-
FIX	AWY-HI	4.90039	10,668 m		
MTL	UY16	44.55490	35,000 ft	11	MONTELMAR ANCONE
VOR	AWY-HI	4.77986	10,668 m		
NAKIS	UZ38	44.32260	35,000 ft	32	-
FIX	AWY-HI	4.09808	10,668 m		
BOLSA	UZ38	43.33410	28,700 ft	68	-
FIX	AWY-HI	3.31508	8,748 m		
PPG	UZ38	42.75050	20,100 ft	40	PERPIGNAN RIVESALTES
VOR	AWY-HI	2.86714	6,126 m		
LEBL	-	41.29510	0 ft	94	Josep Tarradellas Barcelona-El Prat
APT	-	2.08803	0 m		

## ESSA

Region: SWEDEN

Timezone: EUROPE/STOCKHOLM

Runways: 3

Elevation: 138 ft / 42 m

Location: 59.651900 17.918600

Magnetic Var: 7.126 E

## METAR

ESSA 191420Z 21010KT 180V240 CAVOK 23/05 Q1010 NOSIG

## TAF

TAF ESSA 191130Z 1912/2012 22012KT CAVOK BECMG 1917/1919 02012KT TEMPO 1918/1920 03018G28KT

## 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	10,817 ft	10.38	ASPHALT	0 ft	154 ft
	45 m	3,297 m	3.25		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	3.25		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	248.75		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	3.25		138 m
01R	LOC-ILS	TSA	109.35 MHz	18 nm	10.38	-	138 ft
				33 km	3.25		138 m
19L	LOC-ILS	USA	111.35 MHz	18 nm	190.38	-	138 ft
				33 km	183.25		138 m
19R	LOC-ILS	NSA	110.70 MHz	18 nm	190.38	-	138 ft
				33 km	183.25		138 m
26	LOC-ILS	ESA	110.10 MHz	18 nm	255.86	-	138 ft
				33 km	248.73		138 m
08	LOC-LOC	WSA	109.55 MHz	18 nm	75.86	-	138 ft
				33 km	68.73		138 m
01L	GS	SSA	109.90 MHz	10 nm	10.38	3.00	138 ft
				19 km	3.25		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	3.25		138 m
19L	GS	USA	111.35 MHz	10 nm	190.38	3.00	138 ft
				19 km	183.25		138 m
19R	GS	NSA	110.70 MHz	10 nm	190.38	3.00	138 ft
				19 km	183.25		138 m
26	GS	ESA	110.10 MHz	10 nm	255.86	3.00	138 ft
				19 km	248.73		138 m

## LEBL

Region: SPAIN  
Timezone: EUROPE/MADRID  
Runways: 3

Elevation: 14 ft / 4 m  
Location: 41.295100 2.088030  
Magnetic Var: 1.544 E

## METAR

LEBL 191400Z 14008KT 110V170 9999 FEW025 20/16 Q1009 NOSIG

## TAF

TAF LEBL 191100Z 1912/2012 14007KT 9999 FEW015 SCT025 TX21/1912Z TN14/2005Z BECMG 1916/1919 VRB04KT BECMG 1921/19

## Frequencies

REC - 121.97 MHz - ATIS	REC - 118.65 MHz - ATIS
TWR - 118.32 MHz - BARCELONA TOWER	TWR - 118.10 MHz - BARCELONA TOWER
TWR - 122.82 MHz - BARCELONA TOWER	TWR - 122.10 MHz - BARCELONA TOWER
GND - 122.22 MHz - BARCELONA GROUND	GND - 121.70 MHz - BARCELONA GROUND
GND - 121.65 MHz - BARCELONA GROUND	CLD - 121.80 MHz - CLEARANCE DELIVERY
APP - 121.15 MHz - BARCELONA APPROACH	APP - 119.10 MHz - BARCELONA APPROACH
APP - 135.27 MHz - BARCELONA APPROACH	APP - 133.97 MHz - BARCELONA APPROACH
APP - 131.12 MHz - BARCELONA APPROACH	APP - 127.70 MHz - BARCELONA APPROACH
APP - 126.50 MHz - BARCELONA APPROACH	APP - 124.70 MHz - BARCELONA APPROACH
APP - 125.25 MHz - BARCELONA APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02	148 ft	8,307 ft	18.91	ASPHALT	0 ft	0 ft
	45 m	2,532 m	17.37		0 m	0 m
20	148 ft	8,307 ft	198.92	ASPHALT	0 ft	226 ft
	45 m	2,532 m	197.37		0 m	69 m
07R	197 ft	8,722 ft	65.48	ASPHALT	0 ft	0 ft
	60 m	2,658 m	63.94		0 m	0 m
25L	197 ft	8,722 ft	245.50	ASPHALT	0 ft	0 ft
	60 m	2,658 m	243.96		0 m	0 m
07L	197 ft	10,984 ft	65.48	ASPHALT	1,401 ft	0 ft
	60 m	3,348 m	63.94		427 m	0 m
25R	197 ft	10,984 ft	245.50	ASPHALT	0 ft	0 ft
	60 m	3,348 m	243.96		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02	DME	BLT	108.75 MHz	25 nm	-	-	12 ft
				46 km	-		12 m
07L	DME	QAA	110.30 MHz	18 nm	-	-	13 ft
				33 km	-		13 m
07R	DME	BLE	110.75 MHz	18 nm	-	-	30 ft
				33 km	-		30 m
25L	DME	BLW	111.50 MHz	18 nm	-	-	14 ft
				33 km	-		14 m
25R	DME	BCA	109.50 MHz	18 nm	-	-	30 ft
				33 km	-		30 m
02	LOC-ILS	BLT	108.75 MHz	18 nm	18.92	-	14 ft
				33 km	17.38		14 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07L	LOC-ILS	QAA	110.30 MHz	18 nm	65.50	-	14 ft
				33 km	63.96		14 m
07R	LOC-ILS	BLE	110.75 MHz	18 nm	65.50	-	14 ft
				33 km	63.96		14 m
25L	LOC-ILS	BLW	111.50 MHz	18 nm	245.50	-	14 ft
				33 km	243.96		14 m
25R	LOC-ILS	BCA	109.50 MHz	18 nm	245.50	-	14 ft
				33 km	243.96		14 m
02	GS	BLT	108.75 MHz	10 nm	18.92	3.00	14 ft
				19 km	17.38		14 m
07L	GS	QAA	110.30 MHz	10 nm	65.50	3.00	14 ft
				19 km	63.96		14 m
07R	GS	BLE	110.75 MHz	10 nm	65.50	3.00	14 ft
				19 km	63.96		14 m
25L	GS	BLW	111.50 MHz	10 nm	245.50	3.00	14 ft
				19 km	243.96		14 m
25R	GS	BCA	109.50 MHz	10 nm	245.50	3.00	14 ft
				19 km	243.96		14 m