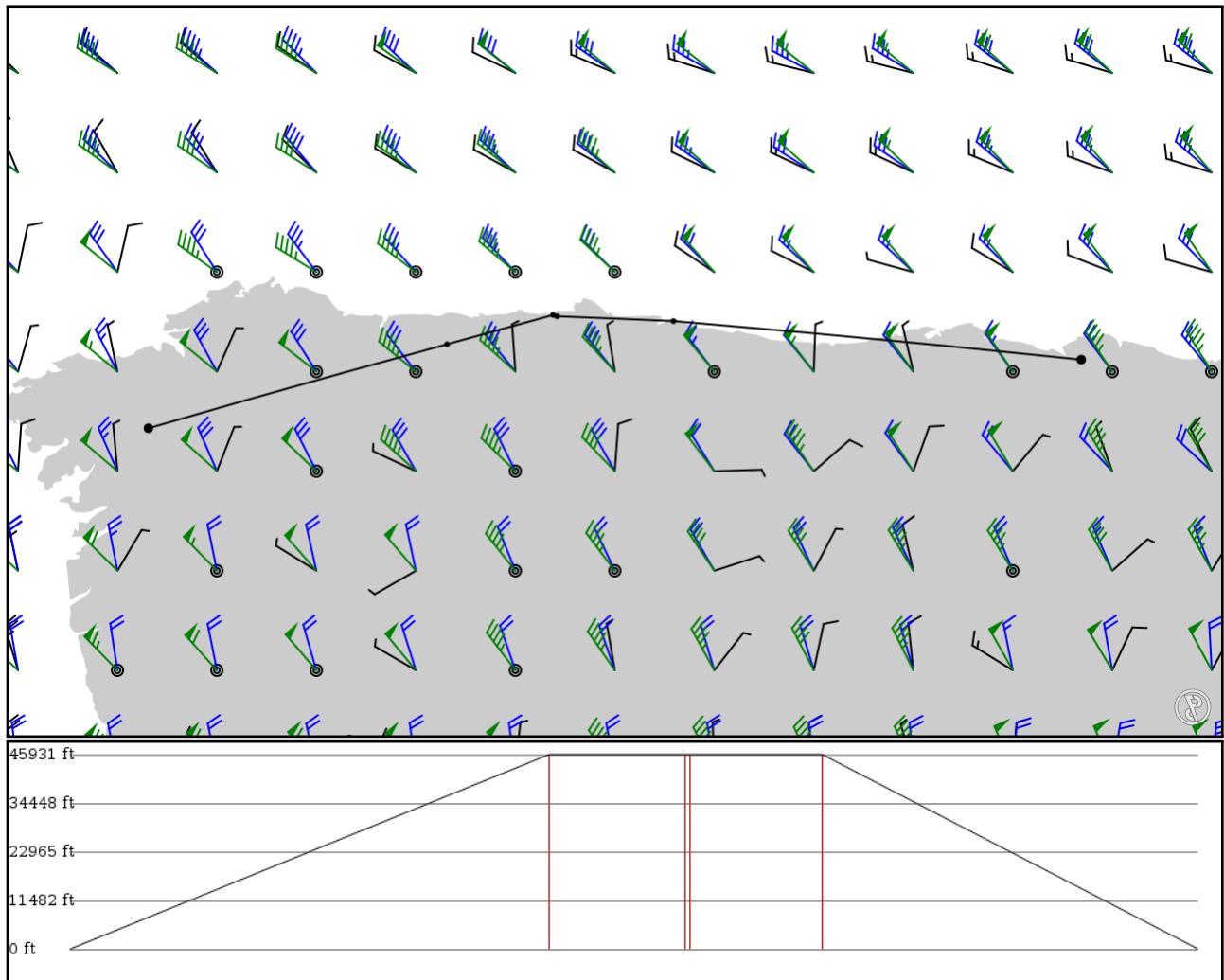


2024/06/06 0125Z

LEBB AMAKA **R42** VES VES **R42** MASIP LEST

248.54 nm / 460.30 km



Notes

Basic altitude profile:

- Ascent Rate: 1500ft/min
- Ascent Speed: 180kts
- Cruise Altitude: 14000ft
- Cruise Speed: 220kts
- Descent Rate: 1000ft/min
- Descent Speed: 150kts

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
LEBB	-	43.30170	0 ft	-	Bilbao
APT	-	-2.91760	0 m		
AMAKA	-	43.52880	14,000 ft	105	-
FIX	-	-5.32097	4,267 m		
VES	R42	43.55710	14,000 ft	29	ASTURIAS
VOR	AWY-LO	-6.00708	4,267 m		
VES	-	43.56460	14,000 ft	1	ASTURIAS VOR-DME
DME	-	-6.03075	4,267 m		
MASIP	R42	43.39230	14,000 ft	29	-
FIX	AWY-LO	-6.65569	4,267 m		
LEST	-	42.89780	0 ft	82	Santiago
APT	-	-8.41564	0 m		

LEBB

Region: SPAIN
Timezone: EUROPE/MADRID
Runways: 2

Elevation: 136 ft / 41 m
Location: 43.301700 -2.917430
Magnetic Var: 0.180 E

METAR

LEBB 060100Z AUTO 08004KT CAVOK 16/15 Q1016

TAF

TAF LEBB 052300Z 0600/0624 VRB03KT CAVOK TX23/0612Z TN14/0605Z PROB40 TEMPO 0600/0607 3000 BR TEMPO 0601/0608 BKN

Frequencies

TWR - 118.50 MHz - BILBAO TOWER
APP - 120.70 MHz - BILBAO APPROACH

GND - 121.70 MHz - BILBAO GROUND
REC - 118.82 MHz - ATIS

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10	148 ft	6,264 ft	96.65	ASPHALT	0 ft	0 ft
	45 m	1,909 m	96.47		0 m	0 m
28	148 ft	6,264 ft	276.67	ASPHALT	1,808 ft	0 ft
	45 m	1,909 m	276.49		551 m	0 m
12	148 ft	8,520 ft	116.73	ASPHALT	0 ft	194 ft
	45 m	2,597 m	116.55		0 m	59 m
30	148 ft	8,520 ft	296.75	ASPHALT	1,496 ft	187 ft
	45 m	2,597 m	296.57		456 m	57 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12	DME	IBO	111.55 MHz	13 nm	-	-	133 ft
				24 km	-		133 m
30	DME	IBL	110.30 MHz	13 nm	-	-	132 ft
				24 km	-		132 m
12	LOC-ILS	IBO	111.55 MHz	18 nm	116.73	-	137 ft
				33 km	116.55		137 m
30	LOC-ILS	IBL	110.30 MHz	18 nm	296.73	-	137 ft
				33 km	296.55		137 m
12	GS	IBO	111.55 MHz	10 nm	116.73	3.10	137 ft
				19 km	116.55		137 m
30	GS	IBL	110.30 MHz	10 nm	296.73	3.40	137 ft
				19 km	296.55		137 m

LEST

Region: SPAIN
Timezone: EUROPE/MADRID
Runways: 1

Elevation: 1,211 ft / 369 m
Location: 42.897800 -8.415640
Magnetic Var: 1.511 W

METAR

LEST 060100Z VRB02KT 9999 SCT018 OVC029 15/12 Q1016 NOSIG

TAF

TAF LEST 052300Z 0600/0624 VRB03KT 9999 SCT020 BKN030 TX25/0614Z TN14/0603Z TEMPO 0600/0610 BKN010 PROB30 TEMPO 0

Frequencies

GND - 121.70 MHz - SANTIAGO GROUND
APP - 118.20 MHz - SANTIAGO APPROACH

TWR - 118.75 MHz - SANTIAGO TOWER
APP - 120.20 MHz - SANTIAGO APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17	148 ft	10,488 ft	166.20	ASPHALT	377 ft	210 ft
	45 m	3,197 m	167.71		115 m	64 m
35	148 ft	10,488 ft	346.21	ASPHALT	463 ft	112 ft
	45 m	3,197 m	347.72		141 m	34 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17	DME	IGO	110.30 MHz	18 nm	-	-	1,171 ft
				33 km	-		1,171 m
35	DME	ISO	111.50 MHz	18 nm	-	-	1,196 ft
				33 km	-		1,196 m
17	LOC-ILS	IGO	110.30 MHz	18 nm	166.06	-	1,171 ft
				33 km	167.57		1,171 m
35	LOC-ILS	ISO	111.50 MHz	18 nm	346.20	-	1,197 ft
				33 km	347.71		1,197 m
17	GS	IGO	110.30 MHz	10 nm	166.09	3.00	1,171 ft
				19 km	167.60		1,171 m
35	GS	ISO	111.50 MHz	10 nm	346.09	3.00	1,196 ft
				19 km	347.60		1,196 m