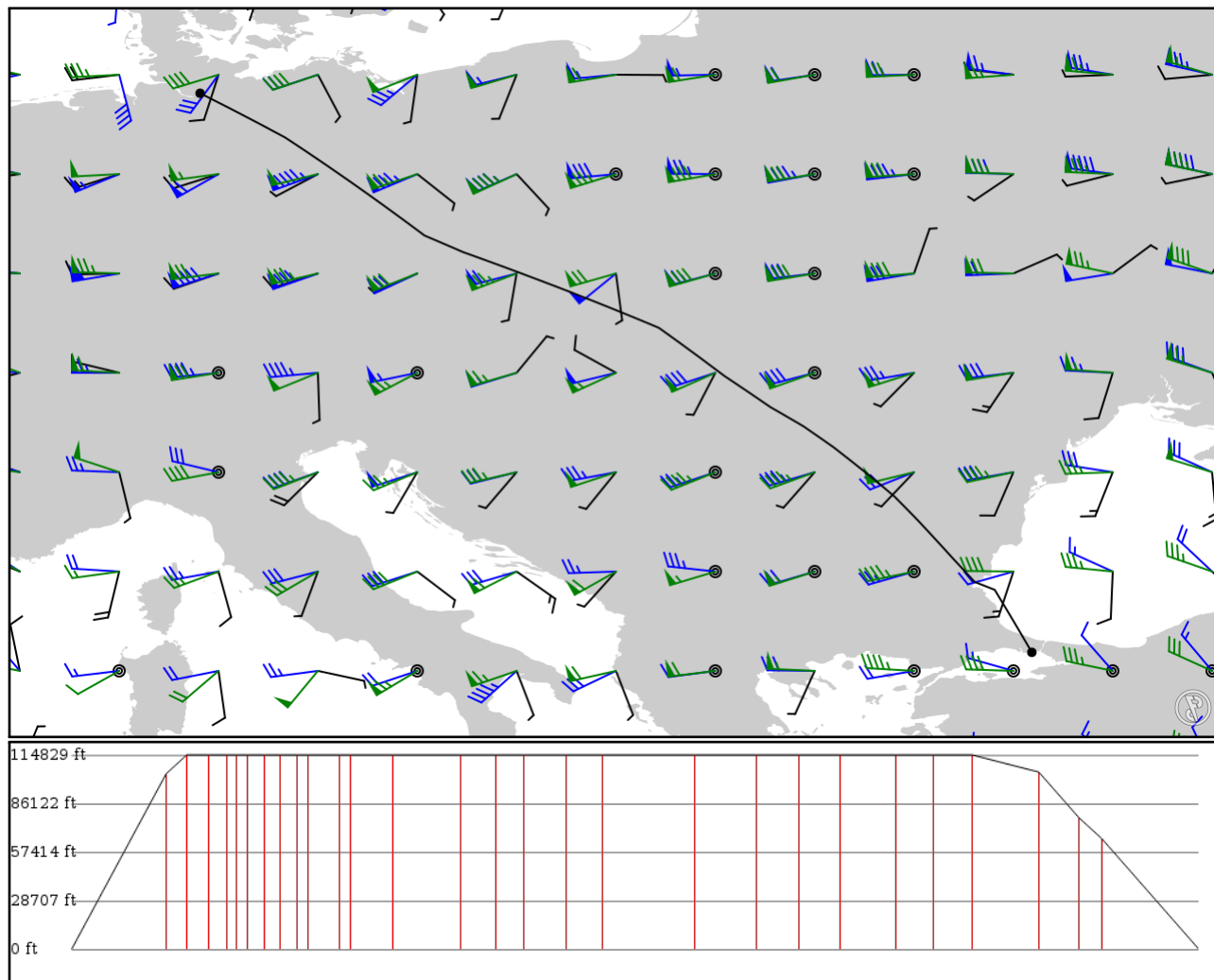


2024/05/11 0701Z

EDDH SOGMA **UM748** HDO **UY444** LEMBI **UP41** BULEK **UY444** PITOK **UL867** NARKA **UL622** BGS **A17** MEDEM LTBA

1087.03 nm / 2013.18 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
EDDH	-	53.63367	0 ft	-	Hamburg
APT	-	9.98524	0 m		
SOGMA	-	52.63528	31,600 ft	91	-
FIX	-	11.90528	9,632 m		
SOBLU	UM748	52.39222	35,000 ft	19	-
FIX	AWY-HI	12.27278	10,668 m		
ESIKA	UM748	52.12389	35,000 ft	21	-
FIX	AWY-HI	12.67139	10,668 m		
MOSEX	UM748	51.91917	35,000 ft	16	-
FIX	AWY-HI	12.97083	10,668 m		
BOLBO	UM748	51.79472	35,000 ft	10	-
FIX	AWY-HI	13.15111	10,668 m		
OLBIK	UM748	51.66250	35,000 ft	10	-
FIX	AWY-HI	13.34111	10,668 m		
OSKAN	UM748	51.46083	35,000 ft	16	-
FIX	AWY-HI	13.62778	10,668 m		
REND0	UM748	51.27806	35,000 ft	14	-
FIX	AWY-HI	13.88472	10,668 m		
ESLOR	UM748	51.06583	35,000 ft	16	-
FIX	AWY-HI	14.17944	10,668 m		
HDO	UM748	50.92815	35,000 ft	10	HERMSDORF VOR-DME
VOR	AWY-HI	14.36880	10,668 m		
LEMBI	UY444	50.55079	35,000 ft	29	-
FIX	AWY-HI	14.88128	10,668 m		
BULEK	UP41	50.41324	35,000 ft	10	-
FIX	AWY-HI	15.06531	10,668 m		
DOBIL	UY444	50.03869	35,000 ft	40	-
FIX	AWY-HI	15.93739	10,668 m		
LABUK	UY444	49.49853	35,000 ft	65	-
FIX	AWY-HI	17.41079	10,668 m		
SLC60	UY444	49.21677	35,000 ft	33	-
FIX	AWY-HI	18.15223	10,668 m		
RUKUS	UY444	48.98861	35,000 ft	26	-
FIX	AWY-HI	18.73889	10,668 m		
INPOX	UY444	48.63528	35,000 ft	40	-
FIX	AWY-HI	19.62000	10,668 m		
PITOK	UY444	48.32396	35,000 ft	35	-
FIX	AWY-HI	20.37084	10,668 m		
NARKA	UL867	47.23582	35,000 ft	88	-
FIX	AWY-HI	21.85167	10,668 m		
BUKAN	UL622	46.53155	35,000 ft	60	-
FIX	AWY-HI	22.89171	10,668 m		
ABEGO	UL622	46.09519	35,000 ft	40	-
FIX	AWY-HI	23.64316	10,668 m		
GAVRI	UL622	45.62196	35,000 ft	40	-
FIX	AWY-HI	24.32341	10,668 m		
NILOV	UL622	44.95383	35,000 ft	53	-
FIX	AWY-HI	25.17030	10,668 m		
FLR	UL622	44.50083	35,000 ft	35	FLORESTI VOR-DME
VOR	AWY-HI	25.70817	10,668 m		
KOMAN	UL622	43.98333	35,000 ft	38	-
FIX	AWY-HI	26.21667	10,668 m		
GONGO	UL622	43.09806	31,900 ft	63	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	27.03250	9,723 m		
BGS	UL622	42.57106	23,700 ft	38	BURGAS VOR-DME
VOR	AWY-HI	27.51986	7,224 m		
MEDEM	A17	42.39500	19,900 ft	22	-
FIX	AWY-LO	27.97167	6,066 m		
LTBA	-	40.97914	0 ft	93	Istanbul Ataturk
APT	-	28.81283	0 m		

## EDDH

Region: GERMANY - CIVIL  
Timezone: EUROPE/BERLIN  
Runways: 2

Elevation: 53 ft / 16 m  
Location: 53.633700 9.985260  
Magnetic Var: 3.691 E

## METAR

EDDH 110620Z AUTO VRB01KT 9999 OVC015 11/08 Q1024 NOSIG

## TAF

TAF EDDH 110500Z 1106/1212 34004KT 9999 BKN013 BECMG 1106/1108 CAVOK BECMG 1108/1110 05006KT BECMG 1206/1208 1100

## Frequencies

REC - 123.12 MHz - EDDH ATIS	GND - 121.80 MHz - HAMBURG GND
GND - 121.70 MHz - HAMBURG APRON	GND - 121.97 MHz - HAMBURG APRON
TWR - 121.27 MHz - HAMBURG TWR	TWR - 126.85 MHz - HAMBURG TWR
APP - 118.20 MHz - HAMBURG DIRECTOR	APP - 124.62 MHz - HAMBURG APP
APP - 134.25 MHz - BREMEN RADAR	APP - 136.67 MHz - BREMEN RADAR

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05	151 ft	10,647 ft	50.18	ASPHALT	978 ft	194 ft
	46 m	3,245 m	46.49		298 m	59 m
23	151 ft	10,647 ft	230.22	ASPHALT	509 ft	239 ft
	46 m	3,245 m	226.52		155 m	73 m
15	151 ft	12,013 ft	152.89	ASPHALT	0 ft	194 ft
	46 m	3,662 m	149.20		0 m	59 m
33	151 ft	12,013 ft	332.91	ASPHALT	1,463 ft	164 ft
	46 m	3,662 m	329.22		446 m	50 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	LOC-ILS	IHHE	110.50 MHz	18 nm	50.21	-	53 ft
				33 km	46.52		53 m
15	LOC-ILS	IHHS	109.55 MHz	18 nm	152.91	-	53 ft
				33 km	149.22		53 m
23	LOC-ILS	IHHW	111.50 MHz	18 nm	230.21	-	53 ft
				33 km	226.52		53 m
33	LOC-LOC	IHHN	109.90 MHz	18 nm	332.91	-	53 ft
				33 km	329.22		53 m
05	GS	IHHE	110.50 MHz	10 nm	50.21	3.00	53 ft
				19 km	46.52		53 m
15	GS	IHHS	109.55 MHz	10 nm	152.91	3.00	53 ft
				19 km	149.22		53 m
23	GS	IHHW	111.50 MHz	10 nm	230.21	3.00	53 ft
				19 km	226.52		53 m
33	GS	IHHN	109.90 MHz	10 nm	332.91	3.00	53 ft
				19 km	329.22		53 m

## LTBA

Region: TURKEY  
Timezone: EUROPE/ISTANBUL  
Runways: 1

Elevation: 163 ft / 50 m  
Location: 40.976100 28.814200  
Magnetic Var: 6.066 E

## METAR

LTBA 110620Z 01016KT 9999 -SHRA SCT025 BKN060 15/12 Q1011 RMK RWY23 01015KT

## TAF

TAF LTBA 110440Z 1106/1206 02017G28KT 9999 -SHRA BKN025 BKN080 BECMG 1109/1112 SCT035 BKN100 BECMG 1114/1117 0301

## Frequencies

REC - 130.25 MHz - D-ATIS ARRIVAL	REC - 128.20 MHz - D-ATIS DEPARTURE
TWR - 118.02 MHz - YESILKOY TOWER	TWR - 118.10 MHz - YESILKOY TOWER
TWR - 118.17 MHz - YESILKOY TOWER	TWR - 118.37 MHz - YESILKOY TOWER
TWR - 119.80 MHz - YESILKOY TOWER	TWR - 121.35 MHz - YESILKOY TOWER
TWR - 121.60 MHz - YESILKOY TOWER	TWR - 121.97 MHz - YESILKOY TOWER
TWR - 123.52 MHz - YESILKOY TOWER	TWR - 125.30 MHz - YESILKOY TOWER
TWR - 125.90 MHz - YESILKOY TOWER	TWR - 126.05 MHz - YESILKOY TOWER
TWR - 126.80 MHz - YESILKOY TOWER	APP - 118.95 MHz - YESILKOY APPROACH
APP - 119.35 MHz - YESILKOY APPROACH	APP - 119.47 MHz - YESILKOY APPROACH
APP - 120.12 MHz - YESILKOY APPROACH	APP - 120.45 MHz - YESILKOY APPROACH
APP - 120.50 MHz - YESILKOY APPROACH	APP - 120.70 MHz - YESILKOY APPROACH
APP - 121.10 MHz - YESILKOY APPROACH	APP - 121.25 MHz - YESILKOY APPROACH
APP - 122.47 MHz - YESILKOY APPROACH	APP - 122.57 MHz - YESILKOY APPROACH
APP - 122.67 MHz - YESILKOY APPROACH	APP - 124.45 MHz - YESILKOY APPROACH
APP - 126.42 MHz - YESILKOY APPROACH	APP - 127.10 MHz - YESILKOY APPROACH
APP - 127.82 MHz - YESILKOY APPROACH	APP - 128.72 MHz - YESILKOY APPROACH
APP - 130.30 MHz - YESILKOY APPROACH	APP - 131.12 MHz - YESILKOY APPROACH
APP - 132.05 MHz - YESILKOY APPROACH	APP - 132.32 MHz - YESILKOY APPROACH
APP - 132.47 MHz - YESILKOY APPROACH	APP - 132.77 MHz - YESILKOY APPROACH
APP - 132.95 MHz - YESILKOY APPROACH	APP - 133.07 MHz - YESILKOY APPROACH
APP - 133.22 MHz - YESILKOY APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05	197 ft	8,513 ft	58.45	ASPHALT	492 ft	207 ft
	60 m	2,595 m	52.38		150 m	63 m
23	197 ft	8,513 ft	238.47	ASPHALT	0 ft	197 ft
	60 m	2,595 m	232.40		0 m	60 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	DME	IIST	110.30 MHz	18 nm	-	-	82 ft
				33 km	-		82 m
23	DME	IATA	111.90 MHz	18 nm	-	-	163 ft
				33 km	-		163 m
05	LOC-ILS	IIST	110.30 MHz	18 nm	58.46	-	163 ft
				33 km	52.39		163 m
23	LOC-ILS	IATA	111.90 MHz	18 nm	238.46	-	163 ft
				33 km	232.39		163 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	GS	IIST	110.30 MHz	10 nm	58.46	3.00	163 ft
				19 km	52.39		163 m
23	GS	IATA	111.90 MHz	10 nm	238.46	3.20	163 ft
				19 km	232.39		163 m