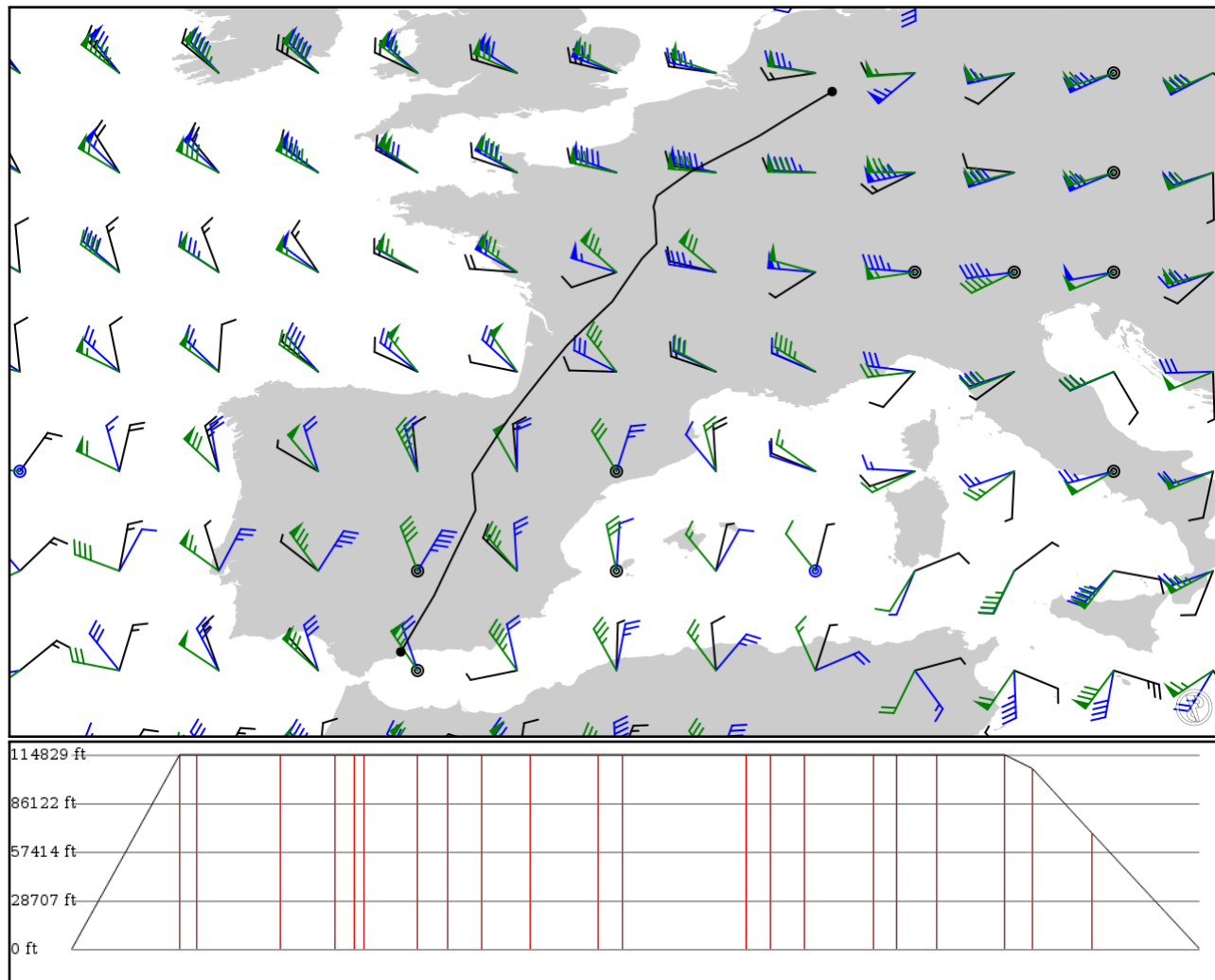


2024/05/20 0441Z

EDDL RASCA **UZ707** RESMI **UN857** DEPOM **G54** CTX **G28** LMG **UN10** SAU **UN857** PPN **UN10** VASUM **UN857** BAN **UN10**  
CJN **UL27** BLN LMG

1029.95 nm / 1907.46 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
EDDL	-	51.28940	0 ft	-	Dusseldorf
APT	-	6.76662	0 m		
RASCA	-	50.14570	35,000 ft	99	-
FIX	-	4.88122	10,668 m		
FAMEN	UZ707	49.97500	35,000 ft	15	-
FIX	AWY-HI	4.56667	10,668 m		
BSN	UZ707	49.18830	35,000 ft	75	BOURSONNE VOR-DME
DME	AWY-HI	3.05647	10,668 m		
RESMI	UZ707	48.56860	35,000 ft	50	-
FIX	AWY-HI	2.19194	10,668 m		
DEKOD	UN857	48.28330	35,000 ft	17	-
FIX	AWY-HI	2.10000	10,668 m		
DISAK	UN857	48.13330	35,000 ft	9	-
FIX	AWY-HI	2.13167	10,668 m		
DEPOM	UN857	47.31780	35,000 ft	49	-
FIX	AWY-HI	2.17917	10,668 m		
CTX	G54	46.93660	35,000 ft	27	CHATEAUROUX DEOLS
NDB	AWY-LO	1.80114	10,668 m		
GUSON	G28	46.47420	35,000 ft	30	-
FIX	AWY-LO	1.47778	10,668 m		
LMG	G28	45.81590	35,000 ft	43	LIMOGES
VOR	AWY-LO	1.02558	10,668 m		
VELIN	UN10	44.98000	35,000 ft	62	-
FIX	AWY-HI	0.15556	10,668 m		
SAU	UN10	44.67680	35,000 ft	22	SAUVETERRE DE GUYENNE
VOR	AWY-HI	-0.15292	10,668 m		
BEGUY	UN857	43.05830	35,000 ft	112	-
FIX	AWY-HI	-1.45083	10,668 m		
PPN	UN857	42.73370	35,000 ft	22	PAMPLONA
VOR	AWY-HI	-1.70200	10,668 m		
VASUM	UN10	42.27190	35,000 ft	30	-
FIX	AWY-HI	-2.01100	10,668 m		
BAN	UN857	41.32360	35,000 ft	63	BARAHONA
VOR	AWY-HI	-2.62978	10,668 m		
PINAR	UN10	40.98030	35,000 ft	20	-
FIX	AWY-HI	-2.59917	10,668 m		
CJN	UN10	40.37200	35,000 ft	36	CASTEJON
VOR	AWY-HI	-2.54461	10,668 m		
NASOS	UL27	39.39910	35,000 ft	62	-
FIX	AWY-HI	-3.02778	10,668 m		
ANZAN	UL27	39.00000	32,500 ft	25	-
FIX	AWY-HI	-3.22144	9,906 m		
BLN	UL27	38.15250	20,900 ft	54	BAILEN
VOR	AWY-HI	-3.62500	6,370 m		
LEMG	-	36.68020	0 ft	97	Málaga-Costa del Sol
APT	-	-4.49665	0 m		

## EDDL

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

Elevation: 145 ft / 44 m  
Location: 51.289400 6.766620  
Magnetic Var: 2.681 E

## METAR

EDDL 200420Z AUTO VRB02KT 5000 1800 BR FEW003 12/12 Q1011 TEMPO 4000

## TAF

TAF EDDL 192300Z 2000/2106 VRB03KT 6000 NSC TEMPO 2000/2003 1200 BCFG BECMG 2003/2006 4000 BR BKN012 PROB30 TEMPO

## Frequencies

REC - 123.77 MHz - ATIS	CLD - 121.77 MHz - CLEARANCE DELIVERY
GND - 121.90 MHz - GROUND	GND - 121.60 MHz - GROUND
GND - 121.67 MHz - GROUND	TWR - 118.30 MHz - TOWER
TWR - 124.35 MHz - TOWER	APP - 128.55 MHz - LANGEN RADAR
APP - 121.35 MHz - LANGEN RADAR	APP - 128.50 MHz - LANGEN RADAR
APP - 128.65 MHz - DUSSELDORF DIRECTOR	DEP - 133.77 MHz - DEPARTURE

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05R	148 ft	9,851 ft	52.68	CONCRETE	984 ft	659 ft
	45 m	3,003 m	50.00		300 m	201 m
23L	148 ft	9,851 ft	232.71	CONCRETE	984 ft	702 ft
	45 m	3,003 m	230.03		300 m	214 m
05L	148 ft	8,866 ft	52.68	CONCRETE	994 ft	906 ft
	45 m	2,702 m	49.99		303 m	276 m
23R	148 ft	8,866 ft	232.70	CONCRETE	971 ft	928 ft
	45 m	2,702 m	230.02		296 m	283 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05L	LOC-ILS	IDNE	110.95 MHz	18 nm	52.69	-	145 ft
				33 km	50.01		145 m
05R	LOC-ILS	IDSE	110.15 MHz	18 nm	52.70	-	145 ft
				33 km	50.02		145 m
23L	LOC-ILS	IDSW	109.90 MHz	18 nm	232.70	-	145 ft
				33 km	230.02		145 m
23R	LOC-ILS	IDNW	109.30 MHz	18 nm	232.69	-	145 ft
				33 km	230.01		145 m
05L	GS	IDNE	110.95 MHz	10 nm	52.69	3.00	145 ft
				19 km	50.01		145 m
05R	GS	IDSE	110.15 MHz	10 nm	52.70	3.00	145 ft
				19 km	50.02		145 m
23L	GS	IDSW	109.90 MHz	10 nm	232.70	3.00	145 ft
				19 km	230.02		145 m
23R	GS	IDNW	109.30 MHz	10 nm	232.69	3.00	145 ft
				19 km	230.01		145 m

## LEMG

Region: SPAIN  
Timezone: EUROPE/MADRID  
Runways: 2

Elevation: 52 ft / 16 m  
Location: 36.680200 -4.496650  
Magnetic Var: 0.152 W

## METAR

LEMG 200430Z 28009KT CAVOK 17/08 Q1012 NOSIG

## TAF

TAF LEMG 192300Z 2000/2024 29009KT CAVOK TX27/2014Z TN16/2006Z BECMG 2009/2011 22010KT BECMG 2016/2018 29008KT

## Frequencies

REC - 124.47 MHz - ATIS	CLD - 121.80 MHz - CLEARANCE DELIVERY
TWR - 118.15 MHz - MALAGA TOWER	TWR - 118.77 MHz - MALAGA TOWER
GND - 121.70 MHz - MALAGA GROUND	GND - 121.95 MHz - MALAGA GROUND
APP - 118.45 MHz - MALAGA APPROACH	APP - 123.95 MHz - MALAGA APPROACH
APP - 128.80 MHz - MALAGA APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
13	148 ft	10,498 ft	131.69	ASPHALT	0 ft	0 ft
	45 m	3,200 m	131.84		0 m	0 m
31	148 ft	10,498 ft	311.70	ASPHALT	0 ft	0 ft
	45 m	3,200 m	311.86		0 m	0 m
12	148 ft	9,020 ft	117.69	ASPHALT	0 ft	0 ft
	45 m	2,749 m	117.84		0 m	0 m
30	148 ft	9,020 ft	297.71	ASPHALT	0 ft	0 ft
	45 m	2,749 m	297.86		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12	DME	IMG	110.55 MHz	18 nm	-	-	52 ft
				33 km	-		52 m
13	DME	GMM	109.50 MHz	18 nm	-	-	69 ft
				33 km	-		69 m
31	DME	GAA	109.90 MHz	18 nm	-	-	56 ft
				33 km	-		56 m
12	LOC-ILS	IMG	110.55 MHz	18 nm	117.69	-	52 ft
				33 km	117.84		52 m
13	LOC-ILS	GMM	109.50 MHz	18 nm	131.70	-	52 ft
				33 km	131.85		52 m
31	LOC-ILS	GAA	109.90 MHz	18 nm	311.70	-	52 ft
				33 km	311.85		52 m
12	GS	IMG	110.55 MHz	10 nm	117.69	3.00	52 ft
				19 km	117.84		52 m
13	GS	GMM	109.50 MHz	10 nm	131.70	3.20	52 ft
				19 km	131.85		52 m
31	GS	GAA	109.90 MHz	10 nm	311.70	3.00	52 ft
				19 km	311.85		52 m