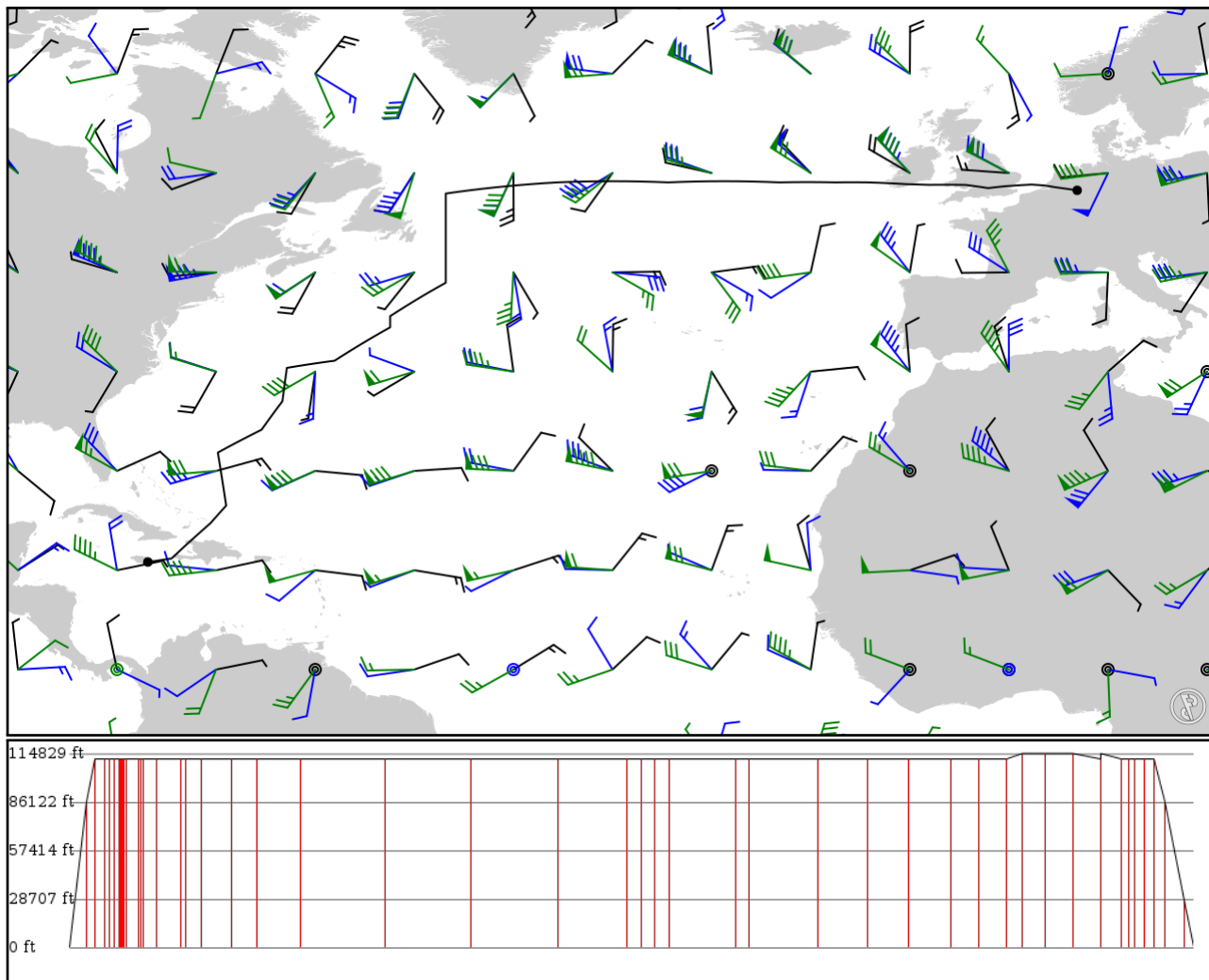


2024/04/28 0122Z

EDDL BREDA **UZ291** REFSO **L980** LOGAN **UL980** TRIPO **L980** LAM **UL179** CPT **L9** KENET **UL9** BASET **UL18** DIKAS
UP4 EVRIN **UL607** CRK **UN523** LIMRI +52.000_--20.000 F +51.000_--50.000 +46.000_--50.000
+45.000_--50.000 +44.000_--50.000 +43.000_--50.000 4000N05500W 3900N05500W 3600N06000W ELTIN **A632**
BDA **A637** NOOGY **A554** GT **R763** GTK **B882** ALBEE **UB882** BENET **G633** PISUL MKJP

4871.61 nm / 9022.23 km



Notes

Using NAT tracks from 27/3/2017

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	-	51.28942	0 ft	-	Duesseldorf
APT	-	6.76664	0 m		
BREDA	-	51.56029	26,200 ft	73	-
FIX	-	4.85333	7,986 m		
HSD	UZ291	51.72272	34,000 ft	38	HAAMSTEDE VOR
VOR	AWY-HI	3.85818	10,363 m		
REFSO	UZ291	51.80957	34,000 ft	44	-
FIX	AWY-HI	2.66691	10,363 m		
XAMAN	L980	51.78476	34,000 ft	16	-
FIX	AWY-LO	2.22423	10,363 m		
LOGAN	L980	51.74750	34,000 ft	22	-
FIX	AWY-LO	1.61194	10,363 m		
TRIPO	UL980	51.71306	34,000 ft	19	-
FIX	AWY-HI	1.08278	10,363 m		
SABER	L980	51.70389	34,000 ft	4	-
FIX	AWY-LO	0.94944	10,363 m		
MANGO	L980	51.69278	34,000 ft	5	-
FIX	AWY-LO	0.79056	10,363 m		
BRASO	L980	51.68528	34,000 ft	4	-
FIX	AWY-LO	0.68333	10,363 m		
WESUL	L980	51.67083	34,000 ft	7	-
FIX	AWY-LO	0.48611	10,363 m		
LAM	L980	51.64611	34,000 ft	12	LAMBOURNE VOR-DME
VOR	AWY-LO	0.15167	10,363 m		
CPT	UL179	51.49167	34,000 ft	52	COMPTON VOR-DME
VOR	AWY-HI	-1.21972	10,363 m		
KENET	L9	51.52056	34,000 ft	8	-
FIX	AWY-LO	-1.45500	10,363 m		
BASET	UL9	51.56389	34,000 ft	9	-
FIX	AWY-HI	-1.71000	10,363 m		
DIKAS	UL18	51.77694	34,000 ft	59	-
FIX	AWY-HI	-3.25917	10,363 m		
STU39	UP4	51.78778	34,000 ft	103	-
FIX	AWY-HI	-6.04500	10,363 m		
EVRIIN	UP4	51.78222	34,000 ft	19	-
FIX	AWY-HI	-6.56333	10,363 m		
CRK	UL607	51.84061	34,000 ft	71	CORK VOR-DME
VOR	AWY-HI	-8.49427	10,363 m		
DOLIP	UN523	52.00000	34,000 ft	130	-
FIX	AWY-HI	-12.00000	10,363 m		
LIMRI	UN523	52.00000	34,000 ft	110	-
FIX	AWY-HI	-15.00000	10,363 m		
+52.000_--20.000	-	52.00000	34,000 ft	184	-
LATLON	-	-20.00000	10,363 m		
+52.000_--30.000	F	52.00000	34,000 ft	369	-
LATLON	NAT	-30.00000	10,363 m		
+52.000_--40.000	F	52.00000	34,000 ft	369	-
LATLON	NAT	-40.00000	10,363 m		
+51.000_--50.000	F	51.00000	34,000 ft	378	-
LATLON	NAT	-50.00000	10,363 m		
+46.000_--50.000	-	46.00000	34,000 ft	300	-
LATLON	-	-50.00000	10,363 m		
+45.000_--50.000	-	45.00000	34,000 ft	60	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-50.00000	10,363 m		
+44.000_--50.000	-	44.00000	34,000 ft	60	-
LATLON	-	-50.00000	10,363 m		
+43.000_--50.000	-	43.00000	34,000 ft	60	-
LATLON	-	-50.00000	10,363 m		
4000N05500W	-	40.00000	34,000 ft	288	-
LATLON	-	-55.00000	10,363 m		
3900N05500W	-	39.00000	34,000 ft	60	-
LATLON	-	-55.00000	10,363 m		
3600N06000W	-	36.00000	34,000 ft	298	-
LATLON	-	-60.00000	10,363 m		
ELTIN	-	35.35844	34,000 ft	212	-
FIX	-	-64.28703	10,363 m		
BDA	A632	32.36436	34,000 ft	180	BERMUDA VOR-DME
VOR	AWY-LO	-64.68958	10,363 m		
PRUIT	A637	29.81056	34,000 ft	181	-
FIX	AWY-LO	-66.55892	10,363 m		
NUTRE	A637	28.78692	34,000 ft	121	-
FIX	AWY-LO	-68.56506	10,363 m		
NOOGY	A637	27.75674	34,000 ft	119	-
FIX	AWY-LO	-70.49438	10,363 m		
KEGAN	A554	26.57714	35,000 ft	71	-
FIX	AWY-LO	-70.30226	10,668 m		
LAMER	A554	25.00000	35,000 ft	95	-
FIX	AWY-LO	-70.05153	10,668 m		
TOOMS	A554	23.00000	35,000 ft	121	-
FIX	AWY-LO	-69.74275	10,668 m		
GT	A554	21.43717	34,000 ft	122	GRAND TURK NDB
NDB	AWY-LO	-71.14594	10,363 m		
GTK	R763	21.44066	35,000 ft	0	GRAND TURK VORTAC
DME	AWY-LO	-71.13437	10,668 m		
ALBEE	B882	20.41833	34,000 ft	89	-
FIX	AWY-HI	-72.29500	10,363 m		
NOSOX	UB882	20.10167	34,000 ft	27	-
FIX	AWY-HI	-72.64500	10,363 m		
MEDON	UB882	19.77167	34,000 ft	28	-
FIX	AWY-HI	-73.01000	10,363 m		
LODMA	UB882	19.31667	34,000 ft	39	-
FIX	AWY-HI	-73.51667	10,363 m		
GABUN	UB882	18.80000	34,000 ft	44	-
FIX	AWY-HI	-74.07000	10,363 m		
BENET	UB882	18.24956	26,300 ft	47	-
FIX	AWY-HI	-74.66178	8,016 m		
PISUL	G633	18.03500	8,500 ft	82	-
FIX	AWY-LO	-76.09583	2,591 m		
MKJP	-	17.93567	0 ft	39	Norman Manley Intl
APT	-	-76.78756	0 m		

EDDL

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

Elevation: 145 ft / 44 m
Location: 51.289400 6.766620
Magnetic Var: 2.673 E

METAR

EDDL 280050Z AUTO 05004KT CAVOK 11/10 Q1005 BECMG 16012KT

TAF

TAF EDDL 272300Z 2800/2906 14007KT CAVOK BECMG 2801/2804 16012KT BECMG 2806/2809 19015G25KT TEMPO 2809/2816 21020Z

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	50.01		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	50.00		303 m	276 m
23R	148 ft	8,866 ft	232.70	CONCRETE	971 ft	928 ft
	45 m	2,702 m	230.03		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	50.02		145 m
05R	LOC-ILS	IDSE	110.15 MHz	18 nm	52.70	-	145 ft
				33 km	50.03		145 m
23L	LOC-ILS	IDSW	109.90 MHz	18 nm	232.70	-	145 ft
				33 km	230.03		145 m
23R	LOC-ILS	IDNW	109.30 MHz	18 nm	232.69	-	145 ft
				33 km	230.02		145 m
05L	GS	IDNE	110.95 MHz	10 nm	52.69	3.00	145 ft
				19 km	50.02		145 m
05R	GS	IDSE	110.15 MHz	10 nm	52.70	3.00	145 ft
				19 km	50.03		145 m
23L	GS	IDSW	109.90 MHz	10 nm	232.70	3.00	145 ft
				19 km	230.03		145 m
23R	GS	IDNW	109.30 MHz	10 nm	232.69	3.00	145 ft
				19 km	230.02		145 m

MKJP

Region: JAMAICA
Timezone: UNKNOWN
Runways: 1

Elevation: 7 ft / 2 m
Location: 17.935700 -76.787600
Magnetic Var: 8.255 W

METAR

MKJP 280100Z 36011KT 9999 FEW022 30/24 Q1012

TAF

TAF MKJP 272315Z 2800/2824 35005KT 9999 FEW022 BECMG 2814/2816 16012KT PROB30 TEMPO 2819/2823 SHRA SCT018CB SCT020

Frequencies

REC - 127.70 MHz - ATIS
TWR - 118.65 MHz - MANLEY TOWER

GND - 121.70 MHz - MANLEY GROUND
APP - 120.60 MHz - MANLEY APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
12	148 ft	8,920 ft	112.12	ASPHALT	0 ft	56 ft
	45 m	2,719 m	120.38		0 m	17 m
30	148 ft	8,920 ft	292.13	ASPHALT	0 ft	30 ft
	45 m	2,719 m	300.38		0 m	9 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12	LOC-ILS	IMLY	109.10 MHz	18 nm	115.09	-	10 ft
				33 km	123.35		10 m
12	GS	IMLY	109.10 MHz	10 nm	115.19	3.00	8 ft
				19 km	123.44		8 m