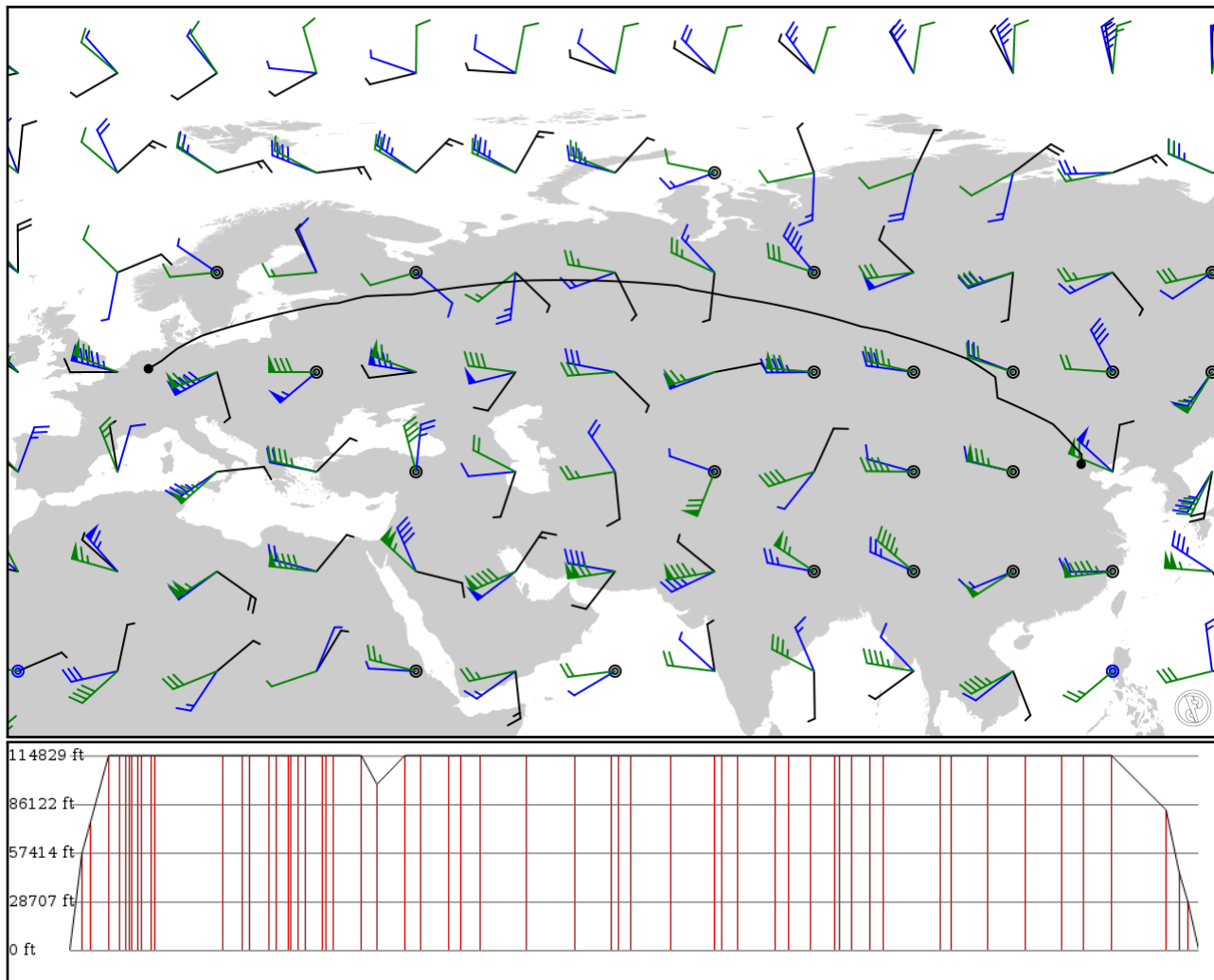


2024/05/14 1026Z

EDDL HMM R15 OSN UP605 MALIV UP862 LIMAK G59 GR R30 KTL R22 ZJ B200 TODES R497 UNLL A310 SERNA
A91 UDA B339 GM B334 YV ZBAA

4295.84 nm / 7955.89 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 37000ft
- 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		
HMM	-	51.85687	17,400 ft	48	HAMM VOR-DME
VOR	-	7.70829	5,304 m		
OSN	R15	52.20014	23,000 ft	29	OSNABRUCK VOR
VOR	AWY-LO	8.28552	7,010 m		
VALKI	UP605	53.13528	35,000 ft	70	-
FIX	AWY-HI	9.47361	10,668 m		
HAM	UP605	53.68558	35,000 ft	42	HAMBURG VORTAC
VOR	AWY-HI	10.20500	10,668 m		
LUB	UP605	53.94074	35,000 ft	22	LUBECK VOR
VOR	AWY-HI	10.66779	10,668 m		
TOSPA	UP605	54.11389	35,000 ft	15	-
FIX	AWY-HI	10.98361	10,668 m		
AMICH	UP605	54.20556	35,000 ft	8	-
FIX	AWY-HI	11.15361	10,668 m		
MEGAR	UP605	54.46833	35,000 ft	23	-
FIX	AWY-HI	11.64833	10,668 m		
GESKA	UP605	54.61750	35,000 ft	13	-
FIX	AWY-HI	11.93250	10,668 m		
KOSMO	UP605	55.01528	35,000 ft	36	-
FIX	AWY-HI	12.73028	10,668 m		
MOSAT	UP605	55.04194	35,000 ft	2	-
FIX	AWY-HI	12.78806	10,668 m		
MALIV	UP605	55.16272	35,000 ft	11	-
FIX	AWY-HI	13.03686	10,668 m		
EVONA	UP862	57.16500	35,000 ft	259	-
FIX	AWY-HI	19.92472	10,668 m		
LUSIM	UP862	57.68556	35,000 ft	73	-
FIX	AWY-HI	21.98306	10,668 m		
NETNA	UP862	57.87556	35,000 ft	28	-
FIX	AWY-HI	22.78944	10,668 m		
PIVUN	UP862	58.34083	35,000 ft	72	-
FIX	AWY-HI	24.90444	10,668 m		
EKLON	UP862	58.50694	35,000 ft	27	-
FIX	AWY-HI	25.71528	10,668 m		
TOMPA	UP862	58.78861	35,000 ft	48	-
FIX	AWY-HI	27.17194	10,668 m		
LIMAK	UP862	58.84333	35,000 ft	9	-
FIX	AWY-HI	27.47000	10,668 m		
BEKON	G59	58.93306	35,000 ft	27	-
FIX	AWY-HI	28.34778	10,668 m		
OS	G59	59.00000	35,000 ft	24	OSMINO NDB
NDB	AWY-HI	29.11667	10,668 m		
NURMA	G59	59.50139	35,000 ft	66	-
FIX	AWY-HI	31.04417	10,668 m		
MALUK	G59	59.58972	35,000 ft	12	-
FIX	AWY-HI	31.40417	10,668 m		
GR	G59	59.81667	35,000 ft	31	GORKA NDB
NDB	AWY-HI	32.35000	10,668 m		
ABEDO	R30	59.96833	35,000 ft	105	-
FIX	AWY-HI	35.83278	10,668 m		
SU	R30	60.02000	29,800 ft	57	BELOZERSK NDB

Ident Type NDB	Via	Lat Lon	Alt	Dist (nm)	Name
METAT	AWY-HI	37.75944	9,083 m		
FIX	R30	60.58333	35,000 ft	108	-
SANUL	AWY-HI	41.21444	10,668 m		
FIX	R30	60.84667	35,000 ft	60	-
KTL	AWY-HI	43.21111	10,668 m		
VOR	R30	61.23806	35,000 ft	104	KOTLAS VOR-DME
ADISA	AWY-HI	46.71333	10,668 m		
FIX	R22	61.41694	35,000 ft	48	-
UUYU	AWY-HI	48.34611	10,668 m		
APT	R22	61.64705	35,000 ft	72	SYKTYVKAR
BUKET	AWY-HI	50.84505	10,668 m		
FIX	R22	61.70028	35,000 ft	172	-
AGATA	AWY-HI	56.91472	10,668 m		
FIX	R22	61.48333	35,000 ft	186	-
RATRI	AWY-HI	63.43333	10,668 m		
FIX	R22	61.12167	35,000 ft	139	-
ZJ	AWY-HI	68.22500	10,668 m		
VOR	R22	61.03333	35,000 ft	26	KHANTY-MANSIYSK VOR-DME
TODES	AWY-HI	69.12694	10,668 m		
FIX	B200	60.63056	35,000 ft	46	-
KUPON	AWY-HI	70.48194	10,668 m		
FIX	R497	59.75056	35,000 ft	152	-
DISOM	AWY-HI	75.28222	10,668 m		
FIX	R497	58.87722	35,000 ft	163	-
LAMEG	AWY-HI	80.32750	10,668 m		
FIX	R497	58.70722	35,000 ft	27	-
UNLL	AWY-HI	81.16417	10,668 m		
APT	R497	58.32667	35,000 ft	60	-
RELMA	AWY-HI	82.93333	10,668 m		
FIX	A310	57.29833	35,000 ft	146	-
KELOK	AWY-HI	87.10333	10,668 m		
FIX	A310	56.91167	35,000 ft	50	-
NZ02	AWY-HI	88.48833	10,668 m		
APT	A310	56.27167	35,000 ft	80	-
MAMAT	AWY-HI	90.61167	10,668 m		
FIX	A310	55.73167	35,000 ft	95	-
SORKA	AWY-HI	93.29667	10,668 m		
FIX	A310	55.63333	35,000 ft	16	-
RO	AWY-HI	93.76667	10,668 m		
NDB	A310	55.26500	35,000 ft	43	AGINSKOYE NDB
LONKA	AWY-HI	94.87750	10,668 m		
FIX	A310	54.75056	35,000 ft	68	-
BUMER	AWY-HI	96.66639	10,668 m		
FIX	A310	54.34167	35,000 ft	50	-
BD01	AWY-HI	97.94833	10,668 m		
APT	A310	52.43333	35,000 ft	220	-
DOBOS	AWY-HI	103.20000	10,668 m		
FIX	A310	51.95667	35,000 ft	40	-
SERNA	AWY-HI	103.98667	10,668 m		
FIX	A310	50.30833	35,000 ft	136	-
UDA	AWY-HI	106.46833	10,668 m		
VOR	A91	47.86775	35,000 ft	146	ULAANBAATAR VOR-DME
ARGAT	AWY-HI	106.73359	10,668 m		
FIX	B339	46.60889	35,000 ft	138	-
DEGIR	AWY-HI	109.57972	10,668 m		
	B339	45.83958	35,000 ft	81	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	111.18493	10,668 m		
POLHO	B339	44.78333	35,000 ft	107	-
FIX	AWY-HI	113.25000	10,668 m		
SALIS	B339	41.95833	25,200 ft	206	-
FIX	AWY-HI	115.95167	7,681 m		
GM	B339	41.23667	13,800 ft	52	FENGNING NDB
NDB	AWY-HI	116.62667	4,206 m		
YV	B334	40.73333	8,700 ft	30	TANGHEKOU NDB
NDB	AWY-LO	116.63333	2,652 m		
ZBAA	-	40.08012	0 ft	39	CAPITAL INTL
APT	-	116.58456	0 m		

EDDL

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

Elevation: 145 ft / 44 m
Location: 51.289400 6.766620
Magnetic Var: 2.679 E

METAR

EDDL 141020Z AUTO 13013KT 090V170 CAVOK 26/13 Q1005 NOSIG

TAF

TAF EDDL 140500Z 1406/1512 14008KT CAVOK BECMG 1407/1409 15013KT PROB30 TEMPO 1411/1414 15015G25KT BECMG 1416/1418 16008KT

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	50.00		303 m	276 m
23R	148 ft	8,866 ft	232.70	CONCRETE	971 ft	928 ft
	45 m	2,702 m	230.02		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

ZBAA

Region: CHINA
Timezone: ASIA/SHANGHAI
Runways: 3

Elevation: 115 ft / 35 m
Location: 40.078700 116.595000
Magnetic Var: 7.354 W

METAR

ZBAA 141000Z 36006MPS CAVOK 26/M00 Q1015 NOSIG

TAF

TAF TAF ZBAA 140301Z 1406/1506 01009G15MPS CAVOK TX32/1407Z TN15/1421Z BECMG 1416/1417 35004MPS

Frequencies

REC - 127.60 MHz - ATIS	REC - 128.65 MHz - ATIS
CLD - 121.60 MHz - BEIJING DELIVERY	CLD - 121.65 MHz - BEIJING DELIVERY
GND - 121.90 MHz - BEIJING GROUND	GND - 121.80 MHz - BEIJING GROUND
GND - 121.70 MHz - BEIJING GROUND	GND - 121.75 MHz - BEIJING GROUND
GND - 121.85 MHz - BEIJING GROUND	GND - 122.22 MHz - BEIJING APRON
GND - 122.65 MHz - BEIJING APRON	TWR - 124.30 MHz - BEIJING TOWER
TWR - 118.50 MHz - BEIJING TOWER	TWR - 118.60 MHz - BEIJING TOWER
APP - 126.10 MHz - BEIJING APPROACH	APP - 119.00 MHz - BEIJING APPROACH
APP - 126.50 MHz - BEIJING APPROACH	APP - 121.10 MHz - BEIJING APPROACH
APP - 119.70 MHz - BEIJING APPROACH	APP - 124.70 MHz - BEIJING APPROACH
APP - 127.75 MHz - BEIJING APPROACH	APP - 120.60 MHz - BEIJING APPROACH
APP - 125.50 MHz - BEIJING APPROACH	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01	195 ft	12,481 ft	353.17	CONCRETE	0 ft	394 ft
	59 m	3,804 m	0.53		0 m	120 m
19	195 ft	12,481 ft	173.17	CONCRETE	0 ft	397 ft
	59 m	3,804 m	180.52		0 m	121 m
18L	197 ft	12,493 ft	173.17	ASPHALT	0 ft	190 ft
	60 m	3,808 m	180.52		0 m	58 m
36R	197 ft	12,493 ft	353.17	ASPHALT	0 ft	190 ft
	60 m	3,808 m	0.53		0 m	58 m
18R	164 ft	10,512 ft	173.15	ASPHALT	0 ft	200 ft
	50 m	3,204 m	180.50		0 m	61 m
36L	164 ft	10,512 ft	353.15	ASPHALT	0 ft	200 ft
	50 m	3,204 m	0.50		0 m	61 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
18R	DME	ILG	110.30 MHz	18 nm	-	-	135 ft
				33 km	-		135 m
01	LOC-ILS	INJ	108.50 MHz	18 nm	353.17	-	116 ft
				33 km	0.52		116 m
18L	LOC-ILS	IOR	109.30 MHz	18 nm	173.17	-	116 ft
				33 km	180.52		116 m
18R	LOC-ILS	ILG	110.30 MHz	18 nm	173.15	-	116 ft
				33 km	180.50		116 m
19	LOC-ILS	ISZ	108.90 MHz	18 nm	173.17	-	116 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	180.52		116 m
36L	LOC-ILS	IDK	111.70 MHz	18 nm	353.15	-	116 ft
				33 km	0.50		116 m
36R	LOC-ILS	IQU	109.90 MHz	18 nm	353.10	-	116 ft
				33 km	0.45		116 m
01	GS	INJ	108.50 MHz	10 nm	353.17	3.00	116 ft
				19 km	0.52		116 m
18L	GS	IOR	109.30 MHz	10 nm	173.17	3.00	116 ft
				19 km	180.52		116 m
18R	GS	ILG	110.30 MHz	10 nm	173.15	3.00	116 ft
				19 km	180.50		116 m
19	GS	ISZ	108.90 MHz	10 nm	173.17	3.20	116 ft
				19 km	180.52		116 m
36L	GS	IDK	111.70 MHz	10 nm	353.15	3.00	116 ft
				19 km	0.50		116 m
36R	GS	IQU	109.90 MHz	10 nm	353.17	3.00	116 ft
				19 km	0.52		116 m