

MUVR

JUAN GUALBERTO GOMEZ INTL

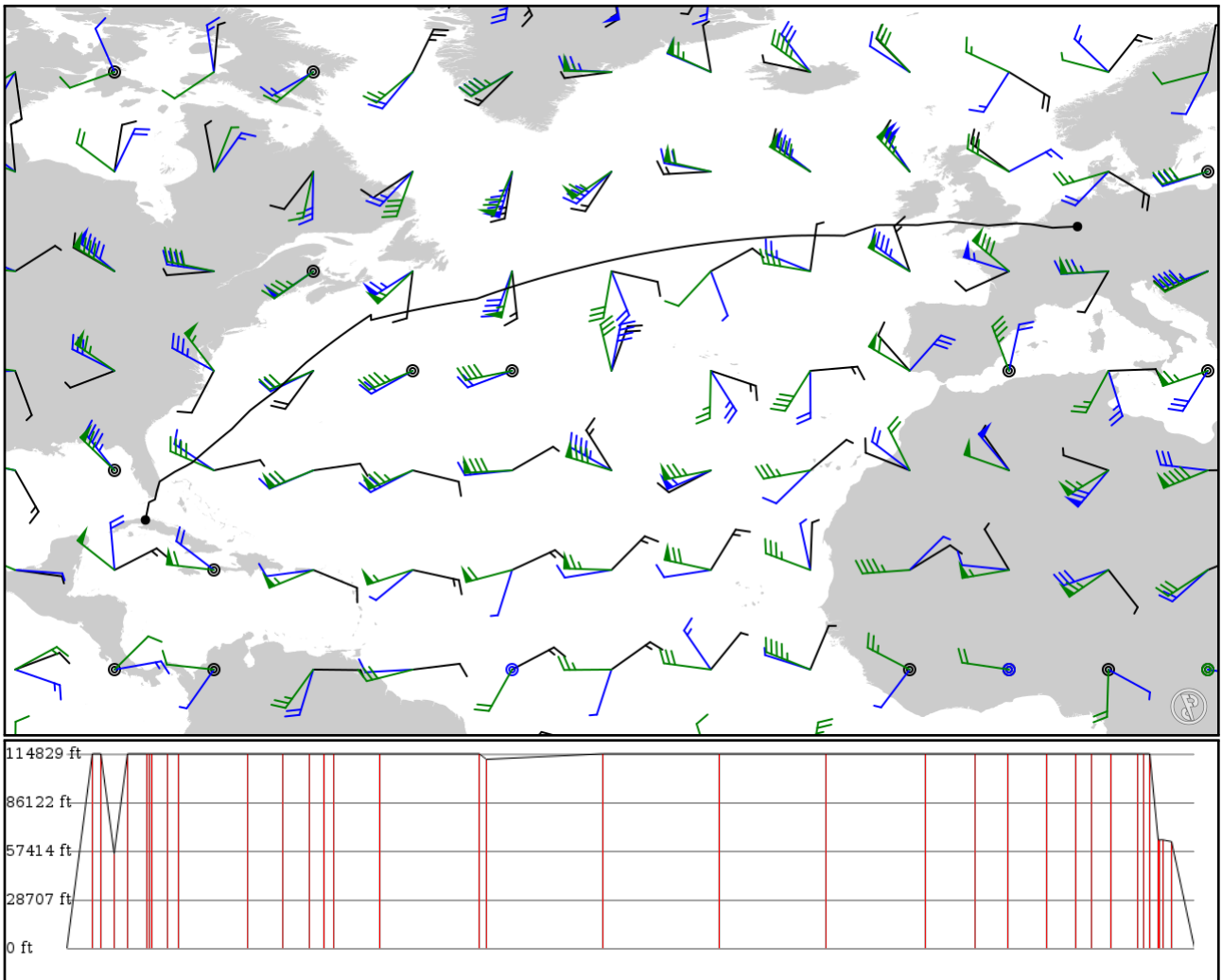
EDDK

KoIn Bonn

2024/05/04 1737Z

MUVR MTH MNATE **G439** DHP **J79** PBI **A699** NUCAR **N28C** BURTT **A699** FOCUS +42.000_--60.000 **Z**
+49.000_--30.000 **Y** SOMAX **UL175** GIPER **UN514** LESLU **UL180** MERLY **UM140** DVR **UL9** KONAN **UL607** KOK **L607**
GILOM EDDK

4428.79 nm / 8202.12 km



Notes

Using NAT tracks from 11/12/2015

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
MUVR	-	23.03444	0 ft	-	JUAN GUALBERTO GOMEZ INTL
APT	-	-81.43527	0 m		
MTH	-	24.71189	35,000 ft	102	MARATHON NDB
NDB	-	-81.09531	10,668 m		
MNATE	-	24.97932	35,000 ft	35	-
FIX	-	-80.52403	10,668 m		
DHP	G439	25.79997	17,000 ft	50	DOLPHIN VORTAC
VOR	AWY-LO	-80.34903	5,182 m		
PBI	J79	26.68006	35,000 ft	54	PALM BEACH VORTAC
VOR	AWY-HI	-80.08650	10,668 m		
PERMT	A699	27.41420	35,000 ft	75	-
FIX	AWY-HI	-78.94727	10,668 m		
RAMJT	A699	27.52044	35,000 ft	10	-
FIX	AWY-HI	-78.78000	10,668 m		
STIFF	A699	27.60518	35,000 ft	8	-
FIX	AWY-HI	-78.64612	10,668 m		
NUCAR	A699	28.12603	35,000 ft	62	-
FIX	AWY-HI	-77.63300	10,668 m		
LOUIZ	N28C	28.47283	35,000 ft	39	-
FIX	AWY-HI	-77.00000	10,668 m		
BURTT	N28C	31.66890	35,000 ft	274	-
FIX	AWY-HI	-73.21600	10,668 m		
ODEAL	A699	33.43088	35,000 ft	137	-
FIX	AWY-HI	-71.48221	10,668 m		
HUBER	A699	34.58261	35,000 ft	101	-
FIX	AWY-HI	-69.98375	10,668 m		
DANER	A699	35.26667	35,000 ft	61	-
FIX	AWY-HI	-69.06667	10,668 m		
CLXTN	A699	35.72294	35,000 ft	37	-
FIX	AWY-HI	-68.55608	10,668 m		
AKERS	A699	37.97820	35,000 ft	177	-
FIX	AWY-HI	-66.15546	10,668 m		
FOCUS	A699	42.50000	35,000 ft	391	-
FIX	AWY-HI	-60.00000	10,668 m		
+42.000_--60.000	-	42.00000	34,000 ft	30	-
LATLON	-	-60.00000	10,363 m		
+44.000_--50.000	Z	44.00000	35,000 ft	455	-
LATLON	NAT	-50.00000	10,668 m		
+47.000_--40.000	Z	47.00000	35,000 ft	457	-
LATLON	NAT	-40.00000	10,668 m		
+49.000_--30.000	Z	49.00000	35,000 ft	419	-
LATLON	NAT	-30.00000	10,668 m		
+50.000_--20.000	Y	50.00000	35,000 ft	394	-
LATLON	NAT	-20.00000	10,668 m		
SOMAX	Y	50.00000	35,000 ft	192	-
FIX	NAT	-15.00000	10,668 m		
GIPER	UL175	51.00000	35,000 ft	129	-
FIX	AWY-HI	-12.00000	10,668 m		
LESLU	UN514	51.00000	35,000 ft	151	-
FIX	AWY-HI	-8.00000	10,668 m		
MERLY	UL180	51.33333	35,000 ft	114	-
FIX	AWY-HI	-5.00000	10,668 m		
EXMOR	UM140	51.17861	35,000 ft	62	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-3.35972	10,668 m		
SAM	UM140	50.95528	35,000 ft	77	SOUTHAMPTON VOR-DME
VOR	AWY-HI	-1.34500	10,668 m		
DVR	UM140	51.16250	35,000 ft	102	DOVER VOR-DME
VOR	AWY-HI	1.35917	10,668 m		
KONAN	UL9	51.13083	35,000 ft	24	-
FIX	AWY-HI	2.00000	10,668 m		
KOK	UL607	51.09472	35,000 ft	24	KOKSY VORTAC
VOR	AWY-HI	2.65167	10,668 m		
MAK	L607	50.96472	19,500 ft	32	MACKEL NDB
NDB	AWY-LO	3.49611	5,944 m		
GOLEX	L607	50.94541	19,500 ft	4	-
FIX	AWY-LO	3.61596	5,944 m		
DENOX	L607	50.87938	19,500 ft	16	-
FIX	AWY-LO	4.02770	5,944 m		
GILOM	L607	50.75202	19,200 ft	29	-
FIX	AWY-LO	4.77411	5,852 m		
EDDK	-	50.86580	0 ft	90	Koln Bonn
APT	-	7.13890	0 m		

MUVR

Region: CUBA
Timezone: AMERICA/HAVANA
Runways: 1

Elevation: 208 ft / 63 m
Location: 23.034400 -81.435300
Magnetic Var: 6.243 W

METAR

MUVR 041650Z 06013KT 020V090 9999 SCT020 30/23 Q1014

TAF

MUVR 041100Z 0412/0512 VRB04KT 9000 FEW020 BECMG 0414/0415 08014KT SCT020 TEMPO 0416/0419 BKN020 BECMG 0500/0502

Frequencies

APP - 126.90 MHz - VARADERO RDO

TWR - 118.40 MHz - JUAN GUALBERTO TOWER

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
06	148 ft	11,508 ft	55.47	ASPHALT	0 ft	0 ft
	45 m	3,508 m	61.71		0 m	0 m
24	148 ft	11,508 ft	235.48	ASPHALT	0 ft	0 ft
	45 m	3,508 m	241.72		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06	LOC-ILS	IVR	111.30 MHz	18 nm	55.48	-	208 ft
				33 km	61.72		208 m
06	GS	IVR	111.30 MHz	10 nm	55.48	3.00	208 ft
				19 km	61.72		208 m

EDDK

Region: GERMANY - CIVIL
Timezone: EUROPE/BERLIN
Runways: 3

Elevation: 296 ft / 90 m
Location: 50.865800 7.138910
Magnetic Var: 2.785 E

METAR

EDDK 041720Z AUTO 13006KT 9999 -RA NSC 15/08 Q1010 TEMPO RA

TAF

TAF AMD EDDK 041501Z 0415/0518 13010KT 9999 SCT030 TEMPO 0415/0417 SHRA SCT025CB PROB30 TEMPO 0415/0417 14015KT 3000

Frequencies

REC - 112.15 MHz - ATIS	CLD - 121.85 MHz - KOELN BONN DELIVERY
GND - 121.72 MHz - KOELN BONN GROUND	GND - 121.95 MHz - KOELN BONN APRON
TWR - 124.97 MHz - KOELN BONN TOWER	TWR - 136.25 MHz - KOELN BONN MILITARY
APP - 118.75 MHz - LANGEN RADAR	APP - 135.35 MHz - LANGEN RADAR
APP - 121.05 MHz - KOELN BONN DIRECTOR	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
14L	197 ft	12,495 ft	137.55	ASPHALT	0 ft	0 ft
	60 m	3,808 m	134.76		0 m	0 m
32R	197 ft	12,495 ft	317.58	ASPHALT	0 ft	0 ft
	60 m	3,808 m	314.79		0 m	0 m
06	148 ft	8,045 ft	64.33	ASPHALT	0 ft	0 ft
	45 m	2,452 m	61.55		0 m	0 m
24	148 ft	8,045 ft	244.36	ASPHALT	0 ft	0 ft
	45 m	2,452 m	241.57		0 m	0 m
14R	148 ft	6,104 ft	137.56	ASPHALT	0 ft	0 ft
	45 m	1,860 m	134.78		0 m	0 m
32L	148 ft	6,104 ft	317.58	ASPHALT	0 ft	0 ft
	45 m	1,860 m	314.79		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
14L	LOC-ILS	IKES	110.90 MHz	18 nm	137.57	-	296 ft
				33 km	134.79		296 m
24	LOC-ILS	IKOW	109.10 MHz	18 nm	244.35	-	296 ft
				33 km	241.57		296 m
32R	LOC-ILS	IKEN	111.10 MHz	18 nm	317.57	-	296 ft
				33 km	314.79		296 m
14L	GS	IKES	110.90 MHz	10 nm	137.57	3.00	296 ft
				19 km	134.79		296 m
24	GS	IKOW	109.10 MHz	10 nm	244.35	3.00	296 ft
				19 km	241.57		296 m
32R	GS	IKEN	111.10 MHz	10 nm	317.57	3.00	296 ft
				19 km	314.79		296 m