



Tradewind VA



Flight Briefing Package

TCC202A KCLT-OBBI

31-Mar-2018 #1

RELEASE #1

CHARLOTTE/DOUGLAS INTL
(UNITED STATES)

-

BAHRAIN INTL
(BAHRAIN)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

31 MAR 1748 UTC

Fuel Planning (kg)	EU-OPS	Fuel	Time
TRIP		85.135	12:18
CONT 5%		4.257	00:43
HOLD	OBBI	1.997	00:20
ALTN	OEDF	1.984	00:16
FINAL RESV		2.994	00:30
ADD FUEL		1.510	00:15
MIN T/O		97.877	14:22
EXTRA		1.497	00:15
TAXI		936	00:18
RELEASE	KCLT	100.310	14:55
ARR FUEL	OBBI	13.823	02:11

Load Planning (kg)	PJTGC	Plan	Limit
Empty Weight		156.146	
Payload	264+0 Pax	24.816	
Zero Fuel Weight		180.962	209.106
Fuel		100.310	162.613
Ramp Weight		281.272	348.359
Take-Off Weight KCLT		280.336	336.144
Landing Weight OBBI	Limit	195.201	223.167
Underload		27.966	Lim LDW

Cost Planning		
Flight Time	12:18\$	69.071
Fuel	86.487\$	72.748
Total	\$	141.819
Per Pax	\$	537
Per 5.000 kg Payload	\$	28.574

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC202A PJTGC KCLT-OBBI

ALL WEIGHTS IN KILOGRAMS (KG) STD 31MAR/2135Z

OPF 1 - PREPARED 31MAR/1748Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR202A/TCC202A PJTGC/B777-2LR GE SEL/SALH ROUTE: KCLTOBBI01

DEP: KCLT/CLT 18C ELEV 748 FT COST INDEX: 250 TTL G/C DIST: 6213 NM
 ARR: OBBI/BAH 30R ELEV 6 FT INIT ALT: FL330 TTL F/P DIST: 6374 NM
 FUEL BIAS: 100.5% TTL AIR DIST: 5890 NM
 AVG WIND CMP: TL039 KT

ALT: OEDF/DMM 34R ELEV 72 FT 55 NM

CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD	LIM	ZFW	TOW	LDW
STANDARD	156146	264	0	24816	27966	LDW	MAX 209106	336144	223167
							PLN 180962	280336	195201
							ACT .....	.....	.....

** TAKE-OFF DATA KCLT 18C **

COND: 280336 KG // RWY DRY // +16°C Q1027 090/09 // LMT: CLIMB
 CONFIG: FLAPS 5 // D-TO +54C // A/I OFF/AUTO // A/C ON
 SPEEDS: V1=160 VR=164 V2=167
 ENG OUT: NONE

	FUEL	CORR	ENDUR	
TRIP	85135	.....	12:18	
CONT 5%	4257	.....	00:43	
ALTN OEDF	1984	.....	00:16	
FINAL RESV	2994	.....	00:30	
HOLD	1997	.....	00:20	
ADD FUEL	1510	.....	00:15	
MIN T/O	97877	.....	14:22	.....
EXTRA	1497	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	936	.....	00:18	
RELEASE	100310	.....	14:55	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	13823	.....	02:11	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 29463 KG LIM BY LDW
 TRIP CORR FOR 5000 KG TOW INCR: +1241 KG / 5000 KG TOW DECR: -1362 KG
 2000 FT LOWER: +2045 KG / EET 12:15 CLB: 250/310/84 DES: 84/320/250

	STD	ETD	ACT	EST	ACT
KCLT	21:35Z/17:35L	21:35Z	OFBL	T/O 21:53Z	T/O
OBBI	11:30Z/14:30L	10:19Z	ONBL	LDG 10:11Z	LDG
	SKD 13:55	PLN 12:44	TTL BLCK	FLT 12:18	FLT

***** 180 MIN ETOPS CRITICAL FUEL SUMMARY *****

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (CYYT)	119 NM BEFORE 5040N	N49 47.4 W043 03.9	EET 03:23
ETOPS EXIT (EINN)	21 NM BEFORE 5320N	N52 58.9 W020 34.3	EET 05:03

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

CYYT (02:25-04:33)
 EINN (03:51-04:33)

ONE ENGINE OUT ETP 1 FOR CYYT/EINN N51 25.3 W033 28.0 EET 04:06

1E084/320 DESC TO FL250 CRUISE AT 1E0320 134 NM BEFORE 5230N
 PLN FUEL OVER ETP 65941 ETP FUEL REQ 19848 DIV TIME 01:57
 ETP TO CYYT (N47 37.1 W052 45.1) DIST 784 NM WC HD040 TT 261
 ETP TO EINN (N52 42.1 W008 55.4) DIST 906 NM WC TL021 TT 075
 *** FUEL DUMP REQUIRED ***

ONE ENGINE OUT DECOMP ETP 1 FOR CYYT/EINN N51 38.2 W032 15.4 EET 04:11
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 87 NM BEFORE 5230N
 PLN FUEL OVER ETP 65302 ETP FUEL REQ 21349 DIV TIME 02:29
 ETP TO CYYT (N47 37.1 W052 45.1) DIST 831 NM WC HD024 TT 261
 ETP TO EINN (N52 42.1 W008 55.4) DIST 859 NM WC HD014 TT 077
 *** FUEL DUMP REQUIRED ***

ALL ENGINE DECOMP ETP 1 FOR CYYT/EINN N51 38.2 W032 15.4 EET 04:11
 84/320/250 DESC TO FL100 CRUISE AT AE320 87 NM BEFORE 5230N
 PLN FUEL OVER ETP 65302 ETP FUEL REQ 20366 DIV TIME 02:29
 ETP TO CYYT (N47 37.1 W052 45.1) DIST 831 NM WC HD024 TT 261
 ETP TO EINN (N52 42.1 W008 55.4) DIST 859 NM WC HD014 TT 077
 *** FUEL DUMP REQUIRED ***

ATC ROUTE: N0484F330 BARMY3 TYI J209 ORF DCT LINND/N0482F350 DCT WHALE N251A
 JOOPY NATV 49N050W/M084F350 NATV GISTI DCT BAKUR/N0483F350 DCT KONAN
 UL607 BUPAL/N0489F370 UL607 MATUG UZ660 ENITA Z660 ROKEM Z650 PEPK
 DCT ERGOM DCT TEGRI L605 NEKUL P975 ARTAT UP975 ERGUN UL124 EVSAS
 UM688 PEBAD P975 SIDAD UP975 LONOS UL438 KOBOK KOBOK1

ALTERNATE PLANNING

ALTN/RWY	DIST	ALT/FL	MSA	COMP	TIME	FUEL	DIFF	ROUTE
OEDF/34R	55	10000	025	HD023	00:16	1984	-	BAH DCT KFA
OTHH/34R	151	13000	025	TL006	00:29	3627	+1643	BAH N697 GOLKO N318 VELAM Z225 LABOV Y001 BAYAN BAYA1E

MOST CRITICAL MORA 16000 FT AT RATVO

AWY	WAYPOINT	MT	ALT	MSA	FREQ	TAS	LEG	FUEL REM / USED	LEG	ACC
-FIR	NAME		ISA	WND/SPD	GS	REM	POSITION	ETO / ATO		
	KCLT/18C		748	045				99.4 / 0.9		
	CHARLOTTE/DOUGLAS IN					6374	N3514.0 W08057.1	/.....		
BARMY3	MESHY	094	*CLB	045		26	97.3 / 3.3	06 00.06		
			P03	269/037		6348	N3515.0 W08028.9	/.....		
BARMY3	GULFY	089	*CLB	045		18	96.5 / 4.1	02 00.08		
			P02	270/045		6330	N3518.0 W08006.8	/.....		
BARMY3	BARMY	078	*CLB	045		13	96.1 / 4.6	02 00.10		
			P00	272/050		6316	N3522.0 W07951.5	/.....		
BARMY3	*BDRY	079	*CLB	038		2	96.0 / 4.6	00 00.10		
-KZDC			M00	272/052		6314	N3523.0 W07948.9	/.....		
BARMY3	BATTA	079	*CLB	038		37	94.9 / 5.7	05 00.15		
			M04	275/062		6277	N3536.0 W07905.2	/.....		
BARMY3	*TOC	080	FL330	038		484	94.5 / 5.8	00 00.15		
			M05	275/062	541	6271	N3537.0 W07858.3	/.....		
BARMY3	TYI	080	FL330	035	117.80	484	93.5 / 6.8	07 00.22		
	TAR RIVER ROCKY MOUN		M05	269/064	545	6206	N3559.0 W07742.2	/.....		

J209	ORF	062	FL330	032	116.90	484	91	92.2 / 8.1	11	00.33
	NORFOLK			M05	266/072	543	6115	N3654.0 W07612.0	/.....	
J209	*BDRY	064	FL330	024		484	120	90.5 / 9.8	13	00.46
-KZWY				M04	260/080	552	5995	N3804.0 W07411.6	/.....	
DCT	LINND	067	*CLB	018			141	88.5 / 11.8	15	01.01
-KZNY				M04	256/085		5854	N3925.0 W07143.6	/.....	
DCT	*BDRY	064	FL350	010		483	148	86.5 / 13.7	16	01.17
-KZBW				P01	251/092	568	5706	N4057.0 W06911.4	/.....	
DCT	WHALE	067	FL350	018		485	124	84.8 / 15.5	13	01.30
-CZQM				P02	253/092	571	5582	N4212.0 W06700.0	/.....	
DCT	*BDRY	070	FL350	025		490	462	78.9 / 21.4	48	02.18
-CZQX				P12	243/082	575	5120	N4623.0 W05759.7	/.....	

----- OCEANIC ENTRY -----

[]	LR NAV ACCUR CHECK	AT	___:___Z	CAPT	_____	STBY	_____	FO	_____
[]	RVSM ALTIMETER CHECK	AT	___:___Z	CAPT	_____	STBY	_____	FO	_____
[]	COMPASS HDG CHECK	AT	___:___Z	CAPT	_____	STBY	_____	FO	_____
[]	HF CHECK	AT	___:___Z	SIGNATURE	(....) _____				

N251A	JOOPY	079	FL350	031		492	274	75.4 / 24.9	28	02.46
				P08	234/087	577	4846	N4830.0 W05200.0	/.....	
N251A	*BDRY	087	FL350	010		491	43	74.9 / 25.4	05	02.51
				P06	234/096	581	4803	N4845.0 W05060.8	/.....	
NATV	4950N	088	FL350	010		489	42	74.3 / 26.0	04	02.55
	49N050W			P04	235/105	584	4761	N4900.0 W05000.0	/.....	

----- ETOPS ENTRY (CYYT) 0119 NM BEFORE 5040N EET 03:23 -----

NATV	5040N	100	FL350	010		485	395	69.5 / 30.8	41	03.36
	50N040W			P00	285/093	574	4366	N5000.0 W04000.0	/.....	
	*ETP 1	085	FL350	010		485	310	65.3 / 35.0	35	04.11
	CYYT/EINN			P01	306/031	574	4057	N5138.0 W03215.4	/.....	
NATV	5230N	088	FL350	010		487	87	64.1 / 36.2	10	04.21
-EGGX	52N030W			P00	308/020	499	3970	N5200.0 W03000.0	/.....	

----- ETOPS EXIT (EIKY) 0021 NM BEFORE 5320N EET 05:03 -----

NATV	5320N	094	FL350	010		484	371	58.9 / 41.4	45	05.06
	53N020W			M04	255/017	501	3599	N5300.0 W02000.0	/.....	
NATV	MALOT	097	FL350	010		482	181	56.4 / 43.9	21	05.27
-EISN				M05	260/034	516	3418	N5300.0 W01500.0	/.....	
NATV	GISTI	097	FL350	010		482	36	55.9 / 44.4	04	05.31
				M05	263/040	521	3382	N5300.0 W01400.0	/.....	
DCT	BAKUR	102	FL350	048		483	307	52.0 / 48.3	35	06.06
-EGTT				M03	297/061	543	3075	N5215.0 W00541.8	/.....	
DCT	KONAN	103	FL350	042		488	294	48.3 / 52.0	32	06.38
-EBUR				P01	307/051	536	2782	N5108.0 E00200.0	/.....	
UL607	KOK	095	FL350	019	114.50	488	25	48.0 / 52.3	03	06.41
	KOKSY			P02	307/049	531	2757	N5106.0 E00239.1	/.....	

UL607	FERDI	106	FL350	022	489	39	47.5 / 52.8	05	06.46
				P02 307/046	533	2718	N5055.0 E00338.2	/.....	
UL607	BUPAL	107	*CLB	028		38	47.0 / 53.3	04	06.50
				P03 305/043		2680	N5043.0 E00436.0	/.....	
UL607	REMBA	106	FL370	028	490	12	46.8 / 53.5	01	06.51
				P06 301/037	525	2667	N5040.0 E00455.8	/.....	
UL607	SPI SPRIMONT	107	FL370	036	113.10	490	46.4 / 53.9	04	06.55
				P06 300/035	525	2639	N5031.0 E00537.4	/.....	
UL607	PELIX	100	FL370	036	490	5	46.4 / 53.9	00	06.55
				P06 300/034	523	2633	N5030.0 E00546.7	/.....	
UL607 -EDVV	MATUG	100	FL370	043	490	24	46.1 / 54.2	03	06.58
				P06 298/032	522	2610	N5025.0 E00622.1	/.....	
UL607 -EDUU	*BDRY	096	FL370	043	490	8	46.0 / 54.3	01	06.59
				P07 296/030	522	2602	N5024.0 E00635.5	/.....	
UZ660	GUBAX	096	FL370	043	491	52	45.3 / 55.0	06	07.05
				P07 290/027	519	2550	N5017.0 E00755.6	/.....	
UZ660	RASPU	096	FL370	049	491	85	44.2 / 56.1	10	07.15
				P07 275/021	514	2465	N5004.0 E01006.9	/.....	
UZ660	BOREP	105	FL370	049	491	21	44.0 / 56.3	02	07.17
				P07 272/021	513	2443	N4958.0 E01038.6	/.....	
UZ660	BAMAS	105	FL370	045	491	17	43.8 / 56.6	02	07.19
				P07 269/020	512	2426	N4953.0 E01103.7	/.....	
UZ660	KEPOM	106	FL370	045	491	14	43.6 / 56.7	02	07.21
				P07 266/020	511	2413	N4948.0 E01123.9	/.....	
UZ660 -LCAA	ENITA	095	FL370	051	491	43	43.0 / 57.3	05	07.26
				P07 254/019	510	2370	N4942.0 E01228.4	/.....	
Z660	ETVIS	099	FL370	051	491	14	42.9 / 57.5	02	07.28
				P06 251/019	508	2356	N4939.0 E01249.0	/.....	
Z660	ROKEM	099	FL370	072	491	35	42.4 / 57.9	04	07.32
				P06 240/019	506	2321	N4932.0 E01342.6	/.....	
Z650	IVOLI	102	FL370	072	491	113	40.9 / 59.4	13	07.45
				P05 214/024	499	2208	N4900.0 E01627.4	/.....	
Z650 -LZBB	PEPIK	114	FL370	045	491	28	40.6 / 59.7	04	07.49
				P05 211/025	493	2180	N4847.0 E01705.7	/.....	
DCT -LHCC	ERGOM	127	FL370	071	491	88	39.4 / 60.9	10	07.59
				P05 210/029	485	2092	N4749.0 E01844.9	/.....	
DCT -LRBB	TEGRI	129	FL370	046	492	134	37.6 / 62.7	17	08.16
				P05 217/039	485	1958	N4616.0 E02106.2	/.....	
L605	GESBA	121	FL370	054	490	35	37.1 / 63.2	04	08.20
				P05 219/044	491	1923	N4555.0 E02147.4	/.....	
L605	NEKUL	121	FL370	106	490	41	36.6 / 63.7	05	08.25
				P04 223/049	493	1881	N4531.0 E02235.2	/.....	
P975	UBOGU	112	FL370	107	489	99	35.4 / 65.0	12	08.37
				P04 230/055	507	1782	N4446.0 E02440.0	/.....	

P975 -LBSR	RONBU	113	FL370	032 M00 230/061	486 505	89 1692	34.2 / 66.1 N4403.0 E02630.8	11	08.48
P975 -LTBB	ARTAT	120	FL370	050 M05 243/055	480 500	170 1522	32.1 / 68.2 N4222.0 E02937.4	20	09.08
UP975 -LTAA	ERMUP	103	FL370	010 M06 248/047	479 514	66 1456	31.3 / 69.0 N4200.0 E03101.3	08	09.16
UP975	ROKVA	104	FL370	078 M06 250/046	479 514	30 1426	30.9 / 69.4 N4150.0 E03139.4	03	09.19
UP975	UNVUS	105	FL370	089 M06 252/045	479 514	23 1403	30.6 / 69.7 N4142.0 E03208.4	03	09.22
UP975	ASMOB	105	FL370	089 M06 253/044	479 514	4 1398	30.6 / 69.7 N4140.0 E03214.9	01	09.23
UP975	RELTU	105	FL370	089 M06 253/044	479 514	4 1394	30.5 / 69.8 N4139.0 E03219.4	00	09.23
UP975	APTOX	105	FL370	089 M06 254/043	479 514	9 1385	30.4 / 69.9 N4136.0 E03230.2	01	09.24
UP975	TEPKI	105	FL370	089 M06 257/042	479 514	24 1362	30.1 / 70.2 N4127.0 E03260.5	03	09.27
UP975	PIPUR	113	FL370	109 M06 259/041	479 511	13 1349	30.0 / 70.3 N4121.0 E03314.3	01	09.28
UP975	ORMAN	113	FL370	109 M06 260/041	479 511	8 1342	29.9 / 70.4 N4118.0 E03323.1	01	09.29
UP975	ERGUN	112	FL370	109 M06 272/036	480 513	70 1272	29.0 / 71.3 N4045.0 E03444.3	09	09.38
UL124	ASVOD	101	FL370	117 M05 285/031	481 512	136 1136	27.4 / 72.9 N4005.0 E03734.3	15	09.53
UL124	KONUK	105	FL370	141 M04 285/030	481 512	94 1042	26.3 / 74.0 N3931.0 E03928.0	11	10.04
UL124	EVSAS	103	FL370	141 M04 285/031	482 513	35 1007	25.9 / 74.5 N3919.0 E04011.3	04	10.08
UM688	BAYIR	122	FL370	133 M03 284/033	483 513	72 935	25.0 / 75.3 N3836.0 E04124.2	09	10.17
UM688	ULTED	121	FL370	122 M03 284/034	483 514	25 911	24.7 / 75.6 N3821.0 E04150.5	03	10.20
UM688	EMBAG	121	FL370	158 M02 283/035	483 515	23 888	24.4 / 75.9 N3808.0 E04213.5	02	10.22
UM688	OTKEP	121	FL370	158 M02 282/036	483 516	27 861	24.1 / 76.2 N3752.0 E04240.5	04	10.26
UM688 -ORBB	RATVO	116	FL370	160 M01 279/038	485 520	71 790	23.3 / 77.0 N3714.0 E04356.0	08	10.34
UM688	OTIDO	135	FL370	160 M00 276/039	485 513	29 761	22.9 / 77.4 N3652.0 E04420.5	03	10.37
UM688	DERNU	152	FL370	143 P00 266/039	487 499	102 659	21.7 / 78.6 N3518.0 E04507.8	12	10.49

UM688	SOBIL	172	FL370	110	488	48	21.1 / 79.2	06	10.55
				P01 261/039	484	611	N3430.0 E04510.1	/.....	
UM688	VAXEN	172	FL370	097	489	72	20.1 / 80.2	09	11.04
				P01 254/038	480	539	N3318.0 E04515.0	/.....	
UM688	SISIN	137	FL370	077	488	36	19.7 / 80.6	05	11.09
				P01 249/040	499	503	N3250.0 E04541.2	/.....	
UM688	PEBAD	138	FL370	077	490	151	17.9 / 82.5	18	11.27
				P02 235/055	489	352	N3050.0 E04730.9	/.....	
P975 -OKAC	SIDAD	134	FL370	027	490	78	16.9 / 83.4	09	11.36
				P02 233/055	492	274	N2953.0 E04830.7	/.....	
UP975	LOVAR	150	FL370	022	492	32	16.5 / 83.8	04	11.40
				P03 233/053	479	242	N2924.0 E04846.1	/.....	
UP975	SESRA	152	FL370	022	492	18	16.3 / 84.0	03	11.43
				P03 232/052	478	224	N2908.0 E04855.8	/.....	
UP975	DANAL	149	FL370	022	492	19	16.0 / 84.3	02	11.45
				P03 232/050	480	206	N2851.0 E04905.8	/.....	
UP975	IMDOX	149	FL370	014	492	19	15.8 / 84.5	02	11.47
				P03 231/048	480	187	N2835.0 E04915.6	/.....	
UP975 -OBBS	LONOS	150	FL370	014	492	5	15.7 / 84.6	01	11.48
				P03 231/048	480	182	N2830.0 E04917.2	/.....	
UL438	LOPOL	136	FL370	014	490	15	15.5 / 84.8	02	11.50
				P03 231/046	490	166	N2819.0 E04929.7	/.....	
UL438	ATBAG	136	FL370	014	491	13	15.4 / 84.9	01	11.51
				P03 231/045	490	153	N2809.0 E04939.7	/.....	
UL438	GODRI	143	FL370	014	491	7	15.3 / 85.0	01	11.52
				P03 231/044	485	146	N2803.0 E04943.1	/.....	
UL438	RAKSO	142	FL370	019	491	12	15.1 / 85.2	02	11.54
				P03 231/044	486	134	N2753.0 E04951.5	/.....	
UL438	GOGRA	143	FL370	019	491	5	15.1 / 85.2	00	11.54
				P03 231/044	486	129	N2749.0 E04954.7	/.....	
UL438	*TOD	143	*DES	019		6	15.0 / 85.3	01	11.55
				P03 231/044		124	N2745.0 E04957.2	/.....	
UL438	OBNA	143	*DES	019		22	15.0 / 85.4	03	11.58
				P05 237/034		102	N2727.0 E05011.0	/.....	
UL438	DEKTA	141	*DES	015		13	14.9 / 85.4	01	11.59
				P07 239/028		89	N2716.0 E05020.7	/.....	
UL438	VELOG	141	*DES	015		17	14.9 / 85.4	03	12.02
				P10 256/024		72	N2702.0 E05031.9	/.....	
UL438	KOBOK	142	*DES	025		4	14.9 / 85.5	00	12.02
				P10 260/025		67	N2659.0 E05034.8	/.....	
KOBOK1	ELELO	175	*DES	025		26	14.8 / 85.6	05	12.07
				P11 269/030		41	N2632.0 E05035.0	/.....	
KOBOK1	OBSAS	120	*DES	025		11	14.7 / 85.6	02	12.09
				P12 277/030		30	N2626.0 E05045.4	/.....	

KOBOK1	RIGAG	206	*DES 025	5	14.7 / 85.7	01	12.10
			P12 287/029	25	N2622.0 E05043.6	/.....	
KOBOK1	NAGAT	120	*DES 025	11	14.6 / 85.8	03	12.13
			P14 310/028	14	N2616.0 E05053.3	/.....	
KOBOK1	OBBI/30R	267	6 025	14	14.2 / 86.1	05	12.18
	BAHRAIN INTL				N2616.0 E05039.8	/.....	

WIND INFORMATION - OBS 31/MAR 12:00

(CLIMB)			ORF			WHALE			JOOPY		
FL320	277/062	-53	FL370	254/079	-59	FL390	251/081	-50	FL390	232/071	-48
FL250	273/052	-35	FL350	260/074	-58	FL370	252/086	-51	FL370	233/078	-47
FL190	271/043	-20	FL330	266/072	-55	FL350	254/093	-52	FL350	234/087	-46
12000	268/035	-6	FL310	270/073	-51	FL330	257/088	-52	FL330	235/096	-45
6000	241/020	+2	FL290	273/072	-47	FL310	265/072	-51	FL310	234/105	-43
5040N			5230N			5320N			MALOT		
FL390	292/061	-57	FL390	317/026	-52	FL390	292/016	-55	FL390	279/025	-57
FL370	288/076	-56	FL370	313/024	-53	FL370	275/016	-56	FL370	269/029	-58
FL350	286/093	-54	FL350	309/020	-54	FL350	256/018	-58	FL350	261/035	-59
FL330	283/095	-51	FL330	304/017	-53	FL330	248/019	-57	FL330	256/038	-58
FL310	280/078	-47	FL310	299/013	-51	FL310	251/018	-53	FL310	254/038	-53
BAKUR			KONAN			REMBA			GUBAX		
FL390	295/040	-55	FL390	297/036	-51	FL410	296/030	-50	FL410	288/025	-50
FL370	296/050	-56	FL370	302/043	-52	FL390	298/033	-50	FL390	289/026	-49
FL350	297/062	-57	FL350	307/051	-53	FL370	302/037	-51	FL370	291/027	-50
FL330	298/070	-56	FL330	308/057	-53	FL350	305/042	-52	FL350	291/028	-50
FL310	298/074	-52	FL310	307/058	-51	FL330	306/048	-52	FL330	292/029	-51
BOREP			ROKEM			IVOLI			ERGOM		
FL410	274/021	-49	FL410	253/020	-50	FL410	234/021	-50	FL410	229/026	-51
FL390	276/022	-49	FL390	249/020	-50	FL390	226/022	-50	FL390	223/026	-50
FL370	273/021	-50	FL370	241/019	-50	FL370	214/024	-51	FL370	211/029	-51
FL350	268/021	-50	FL350	231/019	-51	FL350	203/028	-52	FL350	199/034	-52
FL330	263/021	-51	FL330	225/019	-52	FL330	193/033	-53	FL330	187/037	-53
TEGRI			UBOGU			ARTAT			UNVUS		
FL410	229/037	-51	FL410	238/044	-54	FL410	251/051	-62	FL410	258/044	-64
FL390	221/038	-51	FL390	235/051	-53	FL390	246/056	-64	FL390	255/046	-65
FL370	218/039	-51	FL370	230/056	-53	FL370	243/056	-62	FL370	253/045	-62
FL350	215/041	-52	FL350	225/061	-52	FL350	240/054	-59	FL350	251/043	-59
FL330	211/040	-52	FL330	222/063	-51	FL330	237/053	-55	FL330	248/040	-55
ERGUN			ASVOD			EVSAS			EMBAG		
FL410	269/039	-64	FL410	277/034	-62	FL410	274/033	-60	FL410	269/037	-59
FL390	272/038	-65	FL390	284/033	-63	FL390	281/032	-62	FL390	277/036	-60
FL370	272/037	-62	FL370	286/031	-61	FL370	286/031	-61	FL370	284/036	-59
FL350	272/036	-59	FL350	286/030	-59	FL350	290/031	-59	FL350	291/035	-57
FL330	271/033	-55	FL330	286/027	-55	FL330	292/029	-55	FL330	296/035	-54
OTIDO			DERNU			VAXEN			PEBAD		
FL410	262/041	-57	FL410	253/043	-56	FL410	248/044	-56	FL410	237/052	-56
FL390	269/040	-58	FL390	258/041	-57	FL390	249/042	-56	FL390	238/052	-55
FL370	276/039	-57	FL370	266/040	-56	FL370	255/039	-55	FL370	235/056	-54
FL350	284/040	-56	FL350	276/039	-55	FL350	263/035	-54	FL350	233/061	-53
FL330	290/040	-53	FL330	284/039	-53	FL330	272/032	-52	FL330	232/061	-50
LOVAR			RAKSO			(DESCENT)					
FL410	232/051	-56	FL410	230/048	-57	FL360	240/044	-51			
FL390	231/049	-55	FL390	229/045	-55	FL290	254/037	-38			
FL370	233/053	-54	FL370	231/044	-54	FL210	264/021	-18			
FL350	235/060	-53	FL350	235/044	-52	FL140	279/023	-2			
FL330	236/060	-49	FL330	237/043	-48	7000	298/024	+14			

END FLIGHTPLAN 02073 TCC202A PJTGC KCLT-OBBI 31MAR2018

[ATC FLIGHTPLAN]

(FPL-TCC202A-IS
-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2
-KCLT2135
-N0484F330 BARMY3 TYI J209 ORF DCT LINND/N0482F350 DCT WHALE
N251A JOOPY NATV 49N050W/M084F350 NATV GISTI DCT BAKUR/N0483F350
DCT KONAN UL607 BUPAL/N0489F370 UL607 MATUG UZ660 ENITA Z660
ROKEM Z650 PEPIK DCT ERGOM DCT TEGRI L605 NEKUL P975 ARTAT UP975
ERGUN UL124 EVSAS UM688 PEBAD P975 SIDAD UP975 LONOS UL438 KOBOK
KOBOK1
-OBBI1218 OEDF
-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/180331 REG/PJTGC
EET/KZDC0010 KZWW0046 KZBW0117 CZQM0130 CZQX0218 4950N0255
5040N0336 EGGX0421 5320N0506 EISN0527 MALOT0527 GISTI0531
BAKUR0606 EGT0606 EBUR0638 EDVV0658 EDUU0659 LKAA0726 LZBB0748
LHCC0759 LRBB0816 LBSR0848 LTBB0908 LTAA0916 ORBB1034 OKAC1137
OBBI1148
SEL/SALH CODE/484DC5 RVR/75 OPR/TRADEWIND CHARTER
ORGN/TNCCTCAP PER/C
RALT/CYYT EINN
RMK/TCAS
-E/1437)

[PLANNING WEATHER]

ORIGIN: KCLT/CLT (CHARLOTTE/DOUGLAS INTL, UNITED STATES)

UTC -04:00

KCLT 311652Z 09009KT 10SM FEW250 16/M03 A3033 RMK A02 SLP270 T01561028
KCLT 311548Z 3116/0118 09006KT P6SM FEW250
FM311700 12005KT P6SM SKC
FM312000 19004KT P6SM FEW250
FM010700 21005KT P6SM SCT250

DESTINATION: OBBI/BAH (BAHRAIN INTL, BAHRAIN)

UTC +03:00

OBBI 311730Z 34014KT 8000 SKC 24/11 Q1012 NOSIG
OBBI 310500Z 3106/0112 33020G30KT 7000 NSC
PROB30 TEMPO 3106/3112 4000 DU

ALTERNATE: OEDF/DMM (KING FAHD INTL, SAUDI ARABIA)

UTC +03:00

OEDF 311700Z 36008KT CAVOK 23/07 Q1012 NOSIG
OEDF 310810Z 3112/0118 35015G27KT 7000 NSC

ALTERNATE: OTHH/DOH (HAMAD INTL, QATAR)

UTC +03:00

OTHH 311700Z AUTO 33016KT CAVOK 24/11 Q1010 NOSIG
OTHH 311053Z 3112/0118 33020KT 8000 NSC

EDTO AIRPORT: CYYT/YYT (ST JOHNS INTL, CANADA)

UTC -02:30

CYYT 311700Z 24016KT 10SM BKN007 OVC010 10/09 A2947 RMK SF55C3 SLP985
DENSITY ALT 500FT
AMD CYYT 311612Z 3116/0112 24015KT 2SM -RA -DZ BR OVC003
TEMPO 3116/3120 6SM BR OVC006
FM312000 26020KT P6SM SCT006 OVC012
TEMPO 3120/3123 2SM -RA -DZ BR OVC006
FM312300 27025G35KT P6SM SCT012 OVC025
TEMPO 3123/0102 4SM -SHRASN BR OVC012
FM010200 27030G40KT P6SM SCT015 BKN030
TEMPO 0102/0108 P6SM -SHSN BKN015 OVC030
FM010800 28030G40KT P6SM FEW030 RMK NXT FCST BY 311800Z

EDTO AIRPORT: EINN/SNN (SHANNON, IRELAND)

UTC +01:00

EINN 311730Z 03005KT 9999 FEW014 BKN060 09/01 Q1009 NOSIG
AMD EINN 311616Z 3116/0112 02008KT 9999 FEW020 BKN040
BECMG 3121/3124 06007KT
BECMG 0106/0109 09012KT
TEMPO 0110/0112 10015G25KT

KSBY/SBY (SALISBURY-OCEAN CITY WICOMICO, UNITED STATES)

UTC -04:00

KSBY 311654Z 00000KT 10SM CLR 12/M03 A3032 RMK A02 SLP268 T01221033
KSBY 311120Z 3112/0112 34007KT P6SM SKC
FM311600 05006KT P6SM SKC
FM311800 15006KT P6SM SKC
FM312000 17007KT P6SM SKC
FM010700 19007KT P6SM BKN150

KACK/ACK (NANTUCKET MEML, UNITED STATES)

UTC -04:00

KACK 311653Z 34010KT 10SM CLR 08/M07 A3024 RMK A02 SLP239 T00831067
KACK 311120Z 3112/0112 33014KT P6SM SKC
FM311700 35006KT P6SM SKC
FM312000 20006KT P6SM SKC
FM010800 19015KT P6SM BKN080

CYHZ/YHZ (STANFIELD INTL, CANADA)

UTC -03:00

CYHZ 311700Z 29021G28KT 270V330 15SM FEW030 FEW260 05/M02 A2990 RMK CF1CI1
SLP132
AMD CYHZ 311706Z 3117/0112 29020G30KT P6SM FEW030
BECMG 3122/3124 28012KT
BECMG 0101/0103 24010KT
FM011000 20012KT P6SM BKN180 RMK NXT FCST BY 311800Z

LFVP/FSP (ST PIERRE, CF)

UTC -02:00

LFVP 311700Z 28014KT 8000 BKN004 03/02 Q1000 NOSIG
LFVP 311400Z 3115/3124 24015KT 1300 -RA BR OVC002
PROB40 TEMPO 3115/3117 0400 FG VV001
BECMG 3117/3120 28025KT 9999 NSW BKN015
BECMG 3120/3123 28030G45KT SCT018

EIKY/KIR (KERRY, IRELAND)

UTC +01:00

EIKY 311700Z 32004KT 280V010 9999 +RA BKN032 BKN038 08/04 Q1009
EIKY 311400Z 3115/3121 35008KT 9999 SCT020 BKN030

EGKB/BQH (BIGGIN HILL, UNITED KINGDOM)

UTC +01:00

EGKB 311720Z 29006KT 250V320 9999 FEW022 BKN045 07/03 Q0999
AMD EGKB 311609Z 3116/3121 27010KT 9999 BKN016
TEMPO 3116/3121 -SHRA BKN010
PROB40 TEMPO 3116/3121 6000 SHRA BKN006

EDDF/FRA (FRANKFURT/MAIN, GERMANY)

UTC +02:00

EDDF 311720Z VRB07G18KT CAVOK 13/M01 Q0999 NOSIG
EDDF 311100Z 3112/0118 VRB03KT 9999 SCT045
BECMG 3112/3114 28006KT
TEMPO 3118/0103 BKN035
BECMG 3121/3123 22005KT
TEMPO 0103/0118 4500 SHRA BKN020TCU
BECMG 0106/0109 25011KT
PROB30 TEMPO 0112/0116 27015G25KT TSRA BKN015CB

LKKU/UHE (KUNOVICE, CZECH REPUBLIC)

UTC +02:00

NO WX DATA AVAILABLE

LRSB/SBZ (SIBIU, ROMANIA)

UTC +03:00

LRSB 311730Z 16006KT 130V190 CAVOK 17/03 Q1002
LRSB 311100Z 3112/0112 18010KT 9999 SCT050
BECMG 3119/3121 12010KT
TEMPO 0102/0106 3000 -RA -SHRA SCT035CB BKN060
BECMG 0104/0106 VRB04KT
PROB30 TEMPO 0110/0112 3000 TSRA SCT035CB BKN060

LTAS/ONQ (CAYCUMA, TURKEY)

UTC +03:00

LTAS 311350Z 36010KT 9999 FEW035 SCT100 BKN180 18/03 Q1016
LTAS 311340Z 3115/3124 VRB02KT 9999 SCT035

LTCD/ERC (ERZINCAN, TURKEY)

UTC +03:00

LTCD 311650Z VRB02KT 9999 FEW045 10/M01 Q1020 NOSIG
LTCD 311340Z 3115/3124 24007KT 9999 FEW045
BECMG 3115/3117 CAVOK

ORSU/ISU (SULAIMANIYAH INTL, IRAQ)

UTC +03:00

ORSU 311600Z 30006KT 8000 NSC 11/10 Q1018
ORSU 311000Z 3112/0112 28006KT 8000 SCT045
BECMG 3118/3120 VRB04KT CAVOK
TEMPO 0106/0112 26006KT 9999 SCT045

OIAA/ABD (ABADAN, IRAN)

UTC +04:30

OIAA 311700Z 29008KT CAVOK 24/03 Q1012
OIAA 311100Z 3112/0118 32006MPS 7000 NSC

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/3 TRACKS FLS 310/390 INCLUSIVE
MAR 31/1130Z TO MAR 31/1900Z
PART ONE OF THREE PARTS-

A ERAKA 60/20 61/30 61/40 60/50 URTAK
EAST LVLS NIL
WEST LVLS 310 320 330 350 360 370
EUR RTS WEST NIL
NAR NIL-

B GOMUP 59/20 60/30 60/40 59/50 AVUTI
EAST LVLS NIL
WEST LVLS 310 320 330 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 310/390 INCLUSIVE
MAR 31/1130Z TO MAR 31/1900Z
PART TWO OF THREE PARTS-

C PIKIL 57/20 58/30 58/40 56/50 JANJO
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

D RESNO 56/20 57/30 57/40 55/50 LOMSI
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

E VENER 5530/20 5630/30 5630/40 5430/50 MELDI
EAST LVLS NIL
WEST LVLS 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

F DOGAL 55/20 56/30 56/40 54/50 NEEKO
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 310/390 INCLUSIVE
MAR 31/1130Z TO MAR 31/1900Z
PART THREE OF THREE PARTS-

G MALOT 54/20 55/30 55/40 53/50 RIKAL
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

REMARKS.

1. TMI IS 090 AND OPERATORS ARE REMINDED TO INCLUDE THE

TMI NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
 2. OPERATORS ARE REMINDED THAT ADS-C AND CPDLC IS MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
 3. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS
 TRACK D
 TRACK E
 TRACK F
 END OF PBCS OTS
 4. FOR STRATEGIC LATERAL OFFSET AND CONTINGENCY PROCEDURES FOR OPS IN NAT FLOW REFER TO NAT PROGRAMME COORDINATION WEBSITE WWW.PARIS.ICAO.INT.
 SLOP SHOULD BE STANDARD PROCEDURE, NOT JUST FOR AVOIDING WX/TURB.
 5. 80 PERCENT OF GROSS NAVIGATION ERRORS RESULT FROM POOR COCKPIT PROCEDURES. CONDUCT EFFECTIVE WAYPOINT CHECKS.
 6. OPERATORS ARE REMINDED THAT CLEARANCES MAY DIFFER FROM THE FLIGHT PLAN, FLY THE CLEARANCE.
 7. UK AIP. ENR 2.2.4.2 PARA 5.2 STATES THAT NAT OPERATORS SHALL FILE PRM'S.
 8. FLIGHTS REQUESTING WESTBOUND OCEANIC CLEARANCE VIA ORCA DATALINK SHALL INCLUDE IN RMK/ FIELD THE HIGHEST ACCEPTABLE FLIGHT LEVEL WHICH CAN BE MAINTAINED AT OAC ENTRY POINT.
 9. ALL ADSC CPDLC EQUIPPED FLIGHTS NOT LOGGED ON TO A DOMESTIC ATSU PRIOR TO ENTERING THE SHANWICK OCA MUST INITIATE A LOGON TO EGGX BETWEEN 10 AND 25 MINUTES PRIOR TO OCA ENTRY.-

END OF PART THREE OF THREE PARTS)

(NAT-1/3 TRACKS FLS 310/400 INCLUSIVE
 APR 01/0100Z TO APR 01/0800Z
 PART ONE OF THREE PARTS-

T ALLRY 51/50 52/40 54/30 55/20 RESNO NETKI
 EAST LVLS 320 330 340 350 360 370 380 390 400
 WEST LVLS NIL
 EUR RTS EAST NIL
 NAR N389B N381B-

U ELSIR 50/50 51/40 53/30 54/20 DOGAL BEXET
 EAST LVLS 320 330 340 350 360 370 380 390 400
 WEST LVLS NIL
 EUR RTS EAST NIL
 NAR N333B N323A-

V JOOPY 49/50 50/40 52/30 53/20 MALOT GISTI
 EAST LVLS 320 330 340 350 360 370 380 390 400
 WEST LVLS NIL
 EUR RTS EAST NIL
 NAR N269A N261A-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 310/400 INCLUSIVE
 APR 01/0100Z TO APR 01/0800Z
 PART TWO OF THREE PARTS-

W NICSO 48/50 49/40 51/30 52/20 LIMRI XETBO
 EAST LVLS 320 330 340 350 360 370 380 390 400
 WEST LVLS NIL
 EUR RTS EAST NIL
 NAR N211E N197A-

X PORTI 47/50 48/40 50/30 51/20 DINIM ELSOX

EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N155A N139A-

Y SUPRY 46/50 47/40 49/30 50/20 SOMAX ATSUR
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N93A N75A-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 310/400 INCLUSIVE
APR 01/0100Z TO APR 01/0800Z
PART THREE OF THREE PARTS-

Z MUNEY 44/50 46/40 48/30 49/20 BEDRA NERTU
EAST LVLS 310 360 380
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

REMARKS:

- 1.TMI IS 091 AND OPERATORS ARE REMINDED TO INCLUDE THE TMI NUMBER AS PART OF TH OCEANIC CLEARANCE READ BACK.
- 2.OPERATORS ARE REMINDED THAT ADS-C AND CPDLC ARE MANDATED FOR LEVELS 350-390 I NAT AIRSPACE.
- 3.PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS
NO ASSIGNED PBCS TRACKS
END OF PBCS OTS.
- 4.CLEARANCE DELIVERY FREQUENCY ASSIGNMENTS FOR AIRCRAFT OPERATING FROM AVPUT TO TALGO INCLUSIVE:AVPUT TO LIBOR 132.02,MAXAR TO VESMI 134.2,AVUTI TO JANJO 128.7,KODIK TO TUDEP 135.45,UMESI TO JOOPY 135.05, MUSAK TO SUPRY 128.45,RAFIN TO TALGO 119.42.
- 5.80% OF NAVIGATIONAL ERRORS RESULT FROM POOR COCKPIT PROCEDURES ALWAYS CARRY OUT PROPER WAYPOINT PROCEDURES.
- 6.RLATSM PHASE 2 IS NOW IN EFFECT. OPERATORS ATTENTION IS DRAWN TO AIC 25/15.
- 7.OPERATORS ARE ADVISED THAT VERSION 24 OF THE GANDER DATA LINK OCEANIC CLEARANCE DELIVERY CREW PROCEDURES IS NOW VALID AND AVAILABLE AS NAT OPS BULLETIN 2015-004 ON THE WWW.PARIS.ICAO.INT WEBSITE.
- 8.OPERATORS ARE REMINDED THAT EASTBOUND AIRCRAFT INTENDING TO OPERATE IN THE OTS ARE REQUIRED TO COMPLY WITH NAR FLIGHT PLANNING RULES AS DEFINED IN THE CANADA FLIGHT SUPPLEMENT OR WITH ROUTES AS CONTAINED IN THE DAILY BOSTON ADVISORY.-

END OF PART THREE OF THREE PARTS)











