



Tradewind VA



Flight Briefing Package

TCC221D KBOS-OMAA

23-Nov-2019 #1

RELEASE #1

LOGAN INTL
(UNITED STATES)

-

ABU DHABI INTL
(UNITED ARAB EMIRATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

23 NOV 2042 UTC

Fuel Planning (lb)	EU-OPS	Fuel	Time
TRIP		133.564	11:47
CONT 5%		6.678	00:46
HOLD	OMAA	2.928	00:20
ALTN	OMDB	5.291	00:31
FINAL RESV		4.392	00:30
ADD FUEL		2.876	00:15
MIN T/O		155.729	14:08
EXTRA		2.196	00:15
TAXI		795	00:15
RELEASE	KBOS	158.720	14:38
ARR FUEL	OMAA	23.725	02:24

Load Planning (lb)	N78901	Plan	Limit
Empty Weight		288.021	
Payload	250+0 Pax	52.000	
Zero Fuel Weight		340.021	400.000
Fuel		158.720	218.676
Ramp Weight		498.741	547.000
Take-Off Weight KBOS	Limit	497.946	545.000
Landing Weight OMAA		364.382	425.000
Underload		47.054	Lim TOW

Cost Planning			
Flight Time	11:47	\$	58.515
Fuel	134.995	\$	33.599
Total		\$	92.114
Per Pax		\$	368
Per 10.000 lb Payload		\$	17.714

TRADEWIND ALASKA FLIGHTPLAN - IFR TCC221D N78901 KBOS-OMAA

ALL WEIGHTS IN POUNDS (LB)

STD 23NOV/2250Z

OFP 1 - PREPARED 23NOV/2042Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR221D/TCC221D N78901/B789-1B74-75 SEL/AHBF ROUTE: KBOSOMAA01

DEP: KBOS/BOS 33L ELEV 19 FT COST INDEX: 200 TTL G/C DIST: 5802 NM
ARR: OMAA/AUH 31L ELEV 83 FT INIT ALT: FL350 TTL F/P DIST: 6013 NM
FUEL BIAS: 100.0% TTL AIR DIST: 5655 NM
AVG WIND CMP: TL030 KT

ALT: OMDb/DXB 12R ELEV 62 FT 127 NM

CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM	ZFW	TOW	LDW
STANDARD	288021	250	0	52000	47054 TOW	MAX 400000	545000	425000
						PLN 340021	497946	364382
						ACT .....	.....	.....

	FUEL	CORR	ENDUR	
TRIP	133564	.....	11:47	
CONT 5%	6678	.....	00:46	
ALTN OMDb	5291	.....	00:31	
FINAL RESV	4392	.....	00:30	
HOLD	2928	.....	00:20	
ADD FUEL	2876	.....	00:15	
MIN T/O	155729	.....	14:08	.....
EXTRA	2196	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	795	.....	00:15	
RELEASE	158720	.....	14:38	I ACCEPT THIS OFP AND I AM FAMILIAR
ARR FUEL	23725	.....	02:24	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 218676 LB / MAX EXTRA FUEL 49250 LB LIM BY ENRTE
TRIP CORR FOR 10000 LB TOW INCR: +2461 LB / 10000 LB TOW DECR: -2387 LB
2000 FT LOWER: +2757 LB / EET 11:44 CLB: 250/310/85 DES: 85/310/250

KBOS	STD 22:50Z/17:50L	ETD 22:50Z	ACT OFBL	EST T/O 23:05Z	ACT T/O
OMAA	STA 11:00Z/15:00L	ETA 11:04Z	ACT ONBL	EST LDG 10:52Z	ACT LDG
	SKD 12:10	PLN 12:14	TTL BLCK	EST FLT 11:47	TTL FLT

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (CYQX)	48 NM BEFORE 5040N	N49 48.8 W041 11.7	EET 02:35
ETOPS EXIT (EINN)	117 NM BEFORE 5220N	N51 47.0 W023 07.4	EET 03:55

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

CYQX (03:01-04:52)
EINN (04:19-04:52)

ONE ENG OUT ETP 1 FOR CYQX/EINN	N50 49.7 W032 34.7	EET 03:13
1EO 85/310/250 DESC TO FL215 CRUISE AT 1EOLRC	98 NM BEFORE 5130N	
PLN FUEL OVER ETP 112918 ETP FUEL REQ 29440	DIV TIME 02:11	
ETP TO CYQX (N48 56.2 W054 34.1) DIST 856 NM	WC TL006 TT 271	
ETP TO EINN (N52 42.1 W008 55.5) DIST 883 NM	WC TL017 TT 073	
*** FUEL DUMP REQUIRED ***		

ALL ENG DECOMP ETP 1 FOR CYQX/EINN	N50 52.3 W032 00.1	EET 03:16
90/360 DESC TO FL100 CRUISE AT LRC	76 NM BEFORE 5130N	

PLN FUEL OVER ETP 112416 ETP FUEL REQ 32565 DIV TIME 02:27
ETP TO CYQX (N48 56.2 W054 34.1) DIST 878 NM WC TL008 TT 271
ETP TO EINN (N52 42.1 W008 55.5) DIST 861 NM WC 0 TT 074

ONE ENG OUT DECOMP ETP 1 FOR CYQX/EINN N50 52.3 W031 59.3 EET 03:16
1EO 90/360 DESC TO FL100 CRUISE AT 1EOLRC 76 NM BEFORE 5130N
PLN FUEL OVER ETP 112405 ETP FUEL REQ 32742 DIV TIME 02:31
ETP TO CYQX (N48 56.2 W054 34.1) DIST 878 NM WC TL008 TT 271
ETP TO EINN (N52 42.1 W008 55.5) DIST 861 NM WC 0 TT 074

ATC ROUTE: N0491F350 LBSTA6 LBSTA DCT ALLEX N205B NICS0 NATS 48N050W/M085F370
NATS XETBO DCT EVRIN/N0486F370 L607 KONAN UL607 MATUG UZ660 BOREP
DCT ENITA DCT PEPIK DCT BALAP/N0480F390 DCT ARGES DCT ARTAT UP975
ERGUN UL124 EVSAS UM688 SIDAD UP975 SESRA M677 RABAP UM677
MURUB/N0492F330 UM677 OBNET M677 LUDAM G666 ELOVU ELOV3C

ALTERNATE PLANNING

ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE
OMDB/12R 127 9000 027 0 00:31 5291 - LORI2K LORID LORI1E

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

KBOS/33L 19 021 157.9 / 0.8
LOGAN INTL 6013 N4221.3 W07059.5/.....
LBSTA6 TEKKE 321 *CLB 049 6 156.3 / 2.4 02 00.02
M09 264/013 6007 N4224.8 W07105.9/.....
LBSTA6 CAMWI 353 *CLB 049 6 155.5 / 3.2 02 00.04
M02 268/023 6000 N4230.7 W07109.2/.....
LBSTA6 LBSTA 068 *CLB 049 29 153.1 / 5.6 05 00.09
P01 269/039 5971 N4248.0 W07036.8/.....
DCT *TOC 072 FL350 047 491 110 148.3 / 10.5 12 00.21
P01 276/081 552 5861 N4346.6 W06829.1/.....
DCT ALLEX 074 FL350 027 491 75 146.5 / 12.2 09 00.30
-CZQM P01 282/068 543 5786 N4425.0 W06700.0/.....
CYQX 085 FL350 029 129 143.6 / 15.2 14 00.44
M01 266/100 5657 N4510.7 W06410.6/.....
N205B *BDRY 087 FL350 032 504 263 137.3 / 21.4 29 01.13
-CZQX P13 286/034 536 5394 N4630.5 W05811.0/.....
N205B NICS0 092 FL350 028 497 261 130.9 / 27.8 30 01.43
P05 172/053 498 5134 N4730.0 W05200.0/.....

----- 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 (....) _____

NATS	4850N	086	*CLB 010	86	128.8 / 29.9	10	01.53
	48N050W		M01 188/060	5047	N4800.0 W05000.0	/.....	

----- ETOPS ENTRY (CYQX) 0048 NM BEFORE 5040N EET 02:35 -----

NATS	5040N	092	FL370 010	485 412	119.4 / 39.4	48	02.41
	50N040W		M01 278/054	536 4636	N5000.0 W04000.0	/.....	

	*ETP 1	093	FL370 010	491 311	112.4 / 46.3	35	03.16
	CYQX/EINN		P04 284/027	520 4325	N5052.3 W03159.3	/.....	

NATS	5130N	096	FL370 010	493 76	110.7 / 48.1	09	03.25
-EGGX	51N030W		P05 281/025	517 4249	N5100.0 W03000.0	/.....	

----- ETOPS EXIT (EINN) 0117 NM BEFORE 5220N EET 03:55 -----

NATS	5220N	092	FL370 010	491 379	102.0 / 56.7	44	04.09
	52N020W		P03 210/033	510 3870	N5200.0 W02000.0	/.....	

NATS	LIMRI	096	FL370 010	488 185	97.9 / 60.8	22	04.31
			M01 238/040	520 3685	N5200.0 W01500.0	/.....	

NATS	XETBO	096	FL370 010	487 37	97.1 / 61.6	04	04.35
-EISN			M01 246/041	524 3648	N5200.0 W01400.0	/.....	

DCT	EVRIN	095	FL370 049	486 276	91.1 / 67.6	32	05.07
-EGTT			M03 306/040	520 3372	N5146.9 W00633.8	/.....	

	EGLL	096	FL370 010	13	90.9 / 67.9	01	05.08
			M03 220/021	3359	N5146.1 W00613.3	/.....	

L607	NEKAP	096	FL370 018	486 35	90.1 / 68.6	04	05.12
			M02 309/040	519 3325	N5143.6 W00517.4	/.....	

L607	LAZTU	097	FL370 030	487 16	89.8 / 68.9	02	05.14
			M02 310/039	519 3309	N5142.3 W00452.0	/.....	

L607	ABDUK	097	FL370 042	488 40	88.9 / 69.8	05	05.19
			M01 305/028	514 3269	N5138.6 W00348.0	/.....	

L607	NUMPO	097	FL370 042	488 19	88.5 / 70.2	02	05.21
			M01 301/026	513 3249	N5136.6 W00317.0	/.....	

L607	PUPJO	097	FL370 042	489 48	87.4 / 71.3	06	05.27
			M01 290/018	510 3201	N5131.0 W00200.0	/.....	

L607	INLAK	098	FL370 024	489 18	87.0 / 71.7	02	05.29
			M01 287/016	507 3183	N5128.7 W00131.5	/.....	

L607	KONAN	098	FL370 024	488 134	84.1 / 74.7	16	05.45
-EBUR			M02 202/019	493 3049	N5107.9 E00200.0	/.....	

UL607	KOK	094	FL370 019	114.50 488 25	83.5 / 75.2	03	05.48
	KOKSY		M03 196/023	493 3024	N5105.7 E00239.1	/.....	

	EBBR	105	FL370 022	15	83.2 / 75.6	02	05.50
			M02 208/022	3009	N5101.5 E00302.2	/.....	

UL607	FERDI	105	FL370 022	487 24	82.6 / 76.1	03	05.53
			M03 191/026	485 2986	N5054.8 E00338.2	/.....	

UL607	BUPAL	106	FL370 028	486 38	81.8 / 77.0	04	05.57
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				M04 185/026 481 2947	N5043.4 E00436.1	/.....		
UL607	REMBA	106	FL370	028 486 12	81.5 / 77.3	02 05.59		
				M04 183/026 480 2935	N5039.7 E00454.9	/.....		
UL607	SPI	106	FL370	036 113.10 485 28	80.8 / 77.9	03 06.02		
	SPRIMONT			M05 177/023 476 2906	N5030.9 E00537.4	/.....		
UL607	PELIX	100	FL370	036 485 5	80.7 / 78.0	01 06.03		
				M05 176/023 479 2901	N5029.8 E00545.8	/.....		
UL607	MATUG	100	FL370	043 485 24	80.2 / 78.6	03 06.06		
-EDVV				M06 171/021 478 2877	N5025.0 E00622.2	/.....		
UZ660	*BDRY	095	FL370	043 485 8	80.0 / 78.7	01 06.07		
-EDUU				M06 169/021 478 2870	N5024.1 E00634.1	/.....		
	EDDF	095	FL370	043 48	78.9 / 79.8	06 06.13		
				M06 197/017 2822	N5018.0 E00748.1	/.....		
UZ660	GUBAX	095	FL370	038 483 4	78.8 / 79.9	01 06.14		
				M07 174/018 478 2818	N5017.4 E00754.7	/.....		
UZ660	RASPU	096	FL370	049 482 85	76.9 / 81.8	10 06.24		
				M08 177/012 479 2732	N5004.4 E01005.9	/.....		
UZ660	BOREP	104	FL370	049 482 21	76.4 / 82.3	03 06.27		
				M08 187/011 478 2711	N4958.0 E01037.7	/.....		
	EDDN	099	FL370	045 50	75.3 / 83.4	06 06.33		
				M08 217/014 2661	N4947.3 E01153.6	/.....		
DCT	ENITA	099	FL370	051 482 23	74.8 / 84.0	03 06.36		
-LCAA				M08 235/009 485 2638	N4942.1 E01228.4	/.....		
	LHBP	102	FL370	072 121	72.1 / 86.6	15 06.51		
				M08 297/016 2517	N4908.1 E01526.5	/.....		
DCT	PEPIK	103	FL370	045 483 68	70.7 / 88.0	08 06.59		
-LZBB				M07 304/022 504 2449	N4847.0 E01704.8	/.....		
DCT	BALAP	111	*CLB	091 97	68.7 / 90.1	11 07.10		
-LHCC				M06 310/025 2352	N4804.1 E01915.0	/.....		
DCT	*BDRY	119	FL390	091 481 119	66.0 / 92.7	15 07.25		
-LRBB				M06 299/019 501 2233	N4655.4 E02138.7	/.....		
	LROP	121	FL390	084 58	64.8 / 93.9	06 07.31		
				M07 297/024 2175	N4621.0 E02246.1	/.....		
	LTBA	121	FL390	107 212	60.4 / 98.3	26 07.57		
				M06 283/025 1963	N4409.4 E02642.1	/.....		
DCT	ARGES	124	FL390	026 484 8	60.3 / 98.4	01 07.58		
-LBRS				M04 281/021 502 1956	N4404.9 E02649.6	/.....		
DCT	ARTAT	123	FL390	050 485 160	57.0 / 101.7	19 08.17		
-LTBB				M04 275/022 503 1796	N4221.8 E02937.5	/.....		
UP975	ERMUP	103	FL390	010 485 66	55.6 / 103.1	08 08.25		
-LTAA				M04 267/021 505 1730	N4200.0 E03101.4	/.....		
UP975	ROKVA	104	FL390	078 485 30	55.0 / 103.7	03 08.28		
				M04 265/020 504 1699	N4149.8 E03139.4	/.....		

UP975	NAPIP	104	FL390	078	485	4	54.9 / 103.8	01	08.29
			M04	264/020	503	1696	N4148.4 E03144.3	/.....	
UP975	UNVUS	104	FL390	089	485	19	54.5 / 104.2	02	08.31
			M04	263/021	503	1676	N4141.7 E03208.5	/.....	
UP975	ASMOB	104	FL390	089	484	4	54.4 / 104.3	01	08.32
			M04	262/021	503	1672	N4140.2 E03214.0	/.....	
UP975	RELTU	104	FL390	089	484	4	54.4 / 104.4	00	08.32
			M04	262/021	503	1668	N4138.7 E03219.4	/.....	
UP975	APTOX	105	FL390	089	484	9	54.2 / 104.5	01	08.33
			M04	262/021	503	1659	N4135.6 E03230.3	/.....	
UP975	TEPKI	105	FL390	089	484	24	53.7 / 105.0	03	08.36
			M05	260/022	503	1635	N4127.2 E03259.6	/.....	
UP975	PIPUR	113	FL390	109	484	13	53.4 / 105.3	01	08.37
			M05	260/022	501	1623	N4121.1 E03314.3	/.....	
UP975	ORMAN	112	FL390	109	484	8	53.3 / 105.4	01	08.38
			M05	260/023	502	1615	N4117.5 E03323.2	/.....	
	LTCC	112	FL390	109		65	52.0 / 106.8	08	08.46
			M05	267/035		1550	N4046.8 E03439.4	/.....	
UP975	ERGUN	112	FL390	094	484	4	51.9 / 106.8	01	08.47
			M05	262/025	503	1546	N4044.8 E03444.3	/.....	
UL124	ASVOD	100	FL390	117	484	136	49.2 / 109.6	16	09.03
			M05	269/029	510	1410	N4004.9 E03734.4	/.....	
UL124	KONUK	105	FL390	141	483	94	47.3 / 111.4	11	09.14
			M05	274/031	513	1316	N3930.7 E03928.1	/.....	
UL124	EVSAS	102	FL390	141	484	35	46.6 / 112.1	04	09.18
			M05	276/032	515	1281	N3919.5 E04011.3	/.....	
	ORER	121	FL390	133		54	45.5 / 113.2	06	09.24
			M06	282/041		1226	N3846.5 E04106.6	/.....	
UM688	BAYIR	122	FL390	122	484	18	45.2 / 113.5	02	09.26
			M05	278/036	514	1209	N3835.7 E04124.2	/.....	
UM688	ULTED	120	FL390	122	484	25	44.7 / 114.0	03	09.29
			M05	279/037	516	1184	N3821.0 E04149.6	/.....	
UM688	EMBAG	121	FL390	158	484	23	44.3 / 114.4	03	09.32
			M05	280/038	518	1162	N3807.6 E04212.5	/.....	
UM688	OTKEP	121	FL390	158	485	27	43.8 / 115.0	03	09.35
			M05	280/039	520	1135	N3751.6 E04239.6	/.....	
UM688	RATVO	115	FL390	160	485	71	42.4 / 116.3	08	09.43
-ORBB			M04	280/042	524	1064	N3714.4 E04356.1	/.....	
UM688	OTIDO	134	FL390	160	486	29	41.8 / 116.9	03	09.46
			M04	279/044	518	1034	N3651.9 E04419.6	/.....	
	ORBI	152	FL390	143		18	41.5 / 117.3	03	09.49
			M04	285/049		1016	N3634.9 E04428.3	/.....	

UM688	DERNU	152	FL390	143	488	83	39.8 / 118.9	09	09.58
				M03 276/051	510	932	N3517.8 E04506.9	/.....	
UM688	SOBIL	172	FL390	110	489	48	38.8 / 119.9	06	10.04
				M02 275/057	494	884	N3430.0 E04510.1	/.....	
UM688	VAXEN	172	FL390	097	490	72	37.4 / 121.4	09	10.13
				M01 275/069	496	812	N3318.0 E04515.0	/.....	
UM688	SISIN	137	FL390	077	490	36	36.7 / 122.0	04	10.17
				M01 275/075	538	777	N3250.1 E04541.2	/.....	
	OKBK	137	FL390	019		19	36.3 / 122.4	02	10.19
				M02 285/082		758	N3235.3 E04555.0	/.....	
UM688	PEBAD	137	FL390	077	491	133	33.9 / 124.8	15	10.34
				P01 276/099	554	625	N3050.4 E04730.0	/.....	
UM688 -OKAC	SIDAD	134	FL390	027	492	78	32.5 / 126.2	08	10.42
				P01 277/113	570	548	N2952.5 E04829.7	/.....	
UP975	LOVAR	149	FL390	022	493	32	31.9 / 126.8	03	10.45
				P02 277/122	550	516	N2924.4 E04846.2	/.....	
UP975	SESRA	151	FL390	022	493	18	31.6 / 127.1	02	10.47
				P02 277/128	547	498	N2908.1 E04854.9	/.....	
M677	RETEL	134	FL390	022	492	21	31.3 / 127.5	02	10.49
				P02 277/131	582	477	N2852.6 E04910.8	/.....	
M677 -OB BB	RABAP	135	FL390	014	492	22	30.9 / 127.8	03	10.52
				P02 277/134	584	455	N2836.4 E04927.4	/.....	
UM677	PASAK	118	FL390	014	491	22	30.5 / 128.2	02	10.54
				P02 277/136	611	433	N2825.0 E04948.8	/.....	
UM677	GOGMA	145	FL390	014	493	13	30.3 / 128.4	01	10.55
				P03 278/138	569	421	N2814.4 E04956.2	/.....	
UM677	IVIVI	142	FL390	015	493	45	29.5 / 129.2	05	11.00
				P03 278/138	578	376	N2737.6 E05024.6	/.....	
	OMAA	143	FL390	015		25	29.1 / 129.6	02	11.02
				P03 273/118		351	N2717.1 E05040.3	/.....	
UM677	VEDOR	143	FL390	015	494	10	28.9 / 129.8	01	11.03
				P03 278/134	576	341	N2708.9 E05046.5	/.....	
UM677	TOSDA	132	FL390	015	492	13	28.7 / 130.0	02	11.05
				P03 279/133	595	329	N2700.1 E05056.5	/.....	
UM677	TORBO	119	FL390	025	491	15	28.5 / 130.2	01	11.06
				P03 279/132	611	314	N2652.4 E05110.4	/.....	
UM677	SEVNI	106	FL390	015	490	26	28.1 / 130.7	03	11.09
				P03 279/131	620	288	N2644.0 E05138.3	/.....	
UM677	SOGAN	106	FL390	015	490	15	27.8 / 130.9	01	11.10
				P03 280/130	620	273	N2639.3 E05154.1	/.....	
UM677	MURUB	107	*DES	015		42	27.2 / 131.6	04	11.14
				P03 280/128		231	N2624.9 E05237.9	/.....	
UM677	UKNEP	108	*DES	012		10	27.1 / 131.6	01	11.15

				P08 281/122	221	N2621.5 E05248.3	/.....
UM677	DEGSO	108	FL330	058 492 30	26.7 / 132.0	03	11.18
				P09 281/107 598 191	N2610.9 E05319.8	/.....	
UM677	OBNET	112	FL330	058 493 25	26.3 / 132.4	03	11.21
-OMAE				P10 282/107 598 166	N2600.5 E05345.2	/.....	
M677	LUDAM	111	FL330	058 493 14	26.0 / 132.7	01	11.22
				P10 282/107 598 152	N2555.1 E05359.0	/.....	
G666	KIVUS	169	FL330	016 506 10	25.8 / 132.9	01	11.23
				P10 282/107 533 142	N2545.4 E05400.5	/.....	
G666	TOTKU	159	FL330	016 504 10	25.6 / 133.1	01	11.24
				P10 282/107 551 132	N2535.6 E05404.2	/.....	
G666	*TOD	166	FL330	016 505 6	25.5 / 133.3	01	11.25
				P10 282/107 541 126	N2529.7 E05405.5	/.....	
G666	ULIVA	166	*DES	016 3	25.5 / 133.3	00	11.25
				P10 282/102 123	N2526.8 E05406.2	/.....	
G666	VEGEK	166	*DES	016 8	25.4 / 133.3	01	11.26
				P09 283/092 115	N2518.6 E05408.1	/.....	
G666	REVAV	166	*DES	016 10	25.4 / 133.3	01	11.27
				P09 282/078 105	N2509.2 E05410.2	/.....	
G666	ITOMI	166	*DES	016 7	25.4 / 133.4	01	11.28
				P08 281/065 98	N2501.9 E05411.9	/.....	
G666	ELOVU	118	*DES	021 9	25.3 / 133.4	01	11.29
				P08 279/050 89	N2457.4 E05420.3	/.....	
ELOV3C	MUVUM	138	*DES	021 25	25.2 / 133.5	04	11.33
				P09 281/028 64	N2438.1 E05437.8	/.....	
ELOV3C	AA522	144	*DES	021 5	25.2 / 133.5	00	11.33
				P09 283/026 58	N2433.6 E05441.0	/.....	
ELOV3C	ITUGO	144	*DES	021 3	25.1 / 133.6	01	11.34
				P09 284/024 55	N2431.0 E05442.9	/.....	
ELOV3C	TONKI	126	*DES	021 7	25.1 / 133.6	01	11.35
				P08 286/022 48	N2426.8 E05448.9	/.....	
ELOV3C	LOXIX	126	*DES	021 9	25.0 / 133.7	01	11.36
				P08 289/020 39	N2421.3 E05456.6	/.....	
ELOV3C	AA524	126	*DES	054 5	25.0 / 133.7	01	11.37
				P08 290/016 34	N2418.2 E05500.9	/.....	
ELOV3C	GISVU	126	*DES	054 5	24.9 / 133.8	01	11.38
				P07 292/012 29	N2415.1 E05505.2	/.....	
ELOV3C	AA526	216	*DES	054 5	24.9 / 133.8	01	11.39
				P07 299/009 24	N2411.2 E05501.8	/.....	
ELOV3C	PEGUM	306	*DES	054 3	24.8 / 133.9	01	11.40
				P06 307/006 21	N2413.2 E05458.9	/.....	
ELOV3C	OMAA/31L	303	83	021 21	24.4 / 134.4	07	11.47
ABU DHABI	INTL				N2425.3 E05440.0	/.....	

WIND INFORMATION - OBS 23/NOV 12:00

(CLIMB)

FL340	272/089	-53	FL390	284/060	-54	FL390	196/038	-49	FL410	274/044	-57
FL270	278/075	-38	FL370	283/064	-54	FL370	183/044	-49	FL390	277/050	-58
FL200	279/047	-23	FL350	283/069	-53	FL350	173/053	-50	FL370	279/055	-57
13000	272/035	-11	FL330	283/069	-51	FL330	167/064	-49	FL350	280/059	-55
6000	275/025	-0	FL310	286/064	-47	FL310	164/076	-47	FL330	281/062	-52

5130N

FL410	276/029	-52	FL410	237/033	-55	FL410	247/040	-59	FL410	297/034	-61
FL390	279/027	-52	FL390	231/033	-54	FL390	244/042	-59	FL390	301/035	-62
FL370	281/026	-52	FL370	210/033	-54	FL370	239/041	-57	FL370	306/040	-59
FL350	285/025	-52	FL350	189/040	-54	FL350	232/039	-55	FL350	310/047	-55
FL330	286/021	-51	FL330	182/043	-52	FL330	227/037	-51	FL330	312/050	-51

5220N

LIMRI

EVRIIN

ABDUK

FL410	297/027	-60	FL410	253/013	-60	FL410	215/015	-62	FL410	193/010	-65
FL390	300/027	-60	FL390	231/014	-60	FL390	197/020	-62	FL390	175/014	-65
FL370	306/029	-57	FL370	202/019	-59	FL370	185/027	-61	FL370	174/018	-63
FL350	312/031	-55	FL350	187/029	-57	FL350	178/035	-59	FL350	176/023	-60
FL330	313/029	-51	FL330	179/039	-55	FL330	174/039	-56	FL330	175/025	-56

KONAN

BUPAL

GUBAX

BOREP

FL410	208/008	-66	FL410	294/016	-65	FL430	274/021	-61	FL430	270/025	-61
FL390	194/010	-67	FL390	303/020	-66	FL410	277/021	-61	FL410	272/024	-61
FL370	187/012	-64	FL370	305/022	-64	FL390	281/021	-61	FL390	275/022	-60
FL350	183/013	-61	FL350	305/024	-60	FL370	287/023	-59	FL370	275/021	-59
FL330	182/014	-56	FL330	307/024	-56	FL350	293/026	-58	FL350	273/020	-58

PEPIK

ARGES

ARTAT

NAPIP

FL430	267/026	-61	FL430	266/029	-61	FL430	272/031	-61	FL430	277/034	-61
FL410	266/024	-61	FL410	264/027	-61	FL410	271/030	-61	FL410	277/033	-61
FL390	265/021	-60	FL390	262/025	-61	FL390	269/029	-62	FL390	276/033	-62
FL370	261/020	-59	FL370	257/024	-60	FL370	267/027	-61	FL370	277/031	-60
FL350	255/019	-58	FL350	251/022	-58	FL350	264/024	-59	FL350	277/028	-58

ERGUN

ASVOD

EVSAS

EMBAG

FL430	278/040	-61	FL430	279/046	-60	FL430	277/054	-60	FL430	274/072	-60
FL410	279/039	-61	FL410	279/045	-60	FL410	277/053	-60	FL410	275/071	-59
FL390	280/039	-61	FL390	280/044	-61	FL390	277/051	-59	FL390	275/070	-57
FL370	281/038	-60	FL370	280/043	-59	FL370	277/046	-58	FL370	275/065	-56
FL350	281/037	-58	FL350	281/041	-57	FL350	277/038	-57	FL350	274/059	-54

OTIDO

DERNU

VAXEN

PEBAD

FL430	276/099	-61	FL430	278/115	-61	FL430	278/124	-62	FL370	282/123	-49
FL410	276/099	-58	FL410	277/119	-58	FL410	279/131	-58	FL350	282/117	-45
FL390	276/099	-56	FL390	277/123	-55	FL390	279/139	-54	FL330	282/107	-41
FL370	276/093	-54	FL370	277/112	-52	FL370	279/129	-50	FL310	281/094	-38
FL350	276/084	-52	FL350	277/098	-50	FL350	279/115	-47	FL290	280/081	-35

LOVAR

IVIVI

DEGSO

(DESCENT)

FL320	286/087	-41
FL260	280/054	-29
FL190	273/030	-13
13000	267/017	-2
6000	310/001	+8

END FLIGHTPLAN 03566 TCC221D N78901 KBOS-OMAA 23NOV2019

[ATC FLIGHTPLAN]

(FPL-TCC221D-IS
-B789/H-SABDE1FGHIJ2J3J4J5KP1P2P3RWXYZ/HB2U2V2D1G1
-KBOS2250
-N0491F350 LBSTA6 LBSTA DCT ALLEX N205B NICS0 NATS
48N050W/M085F370 NATS XETBO DCT EVRIN/N0486F370 L607 KONAN UL607
MATUG UZ660 BOREP DCT ENITA DCT PEPIK DCT BALAP/N0480F390 DCT
ARGES DCT ARTAT UP975 ERGUN UL124 EVSAS UM688 SIDAD UP975 SESRA
M677 RABAP UM677 MURUB/N0492F330 UM677 OBNET M677 LUDAM G666
ELOVU ELOV3C
-OMAA1147 OMDB
-PBN/A1B1C1D1L101S1 NAV/RNVD1E1A1 DOF/191123 REG/N78901
EET/CZQM0030 CZQX0113 48N050W0153 50N040W0241 EGGX0325
52N020W0409 LIMRI0431 EISN0431 XETB00435 EVRIN0507 EGT0507
EBUR0545 EDVV0606 EDUU0607 LKAA0636 LZBB0659 LHCC0710 LRBB0725
LBSR0758 LTBB0817 LTAA0825 ORBB0943 OKAC1042 OBBB1052 OMAE1121
SEL/AHBF CODE/AAB467 RVR/75 OPR/TRADEWIND ALASKA
ORGN/PANCTAAP PER/D
RALT/EINN CYQX
RMK/TCAS
-E/1423)

[PLANNING WEATHER]

ORIGIN: KBOS/BOS (LOGAN INTL, UNITED STATES)

UTC -05:00

KBOS 231954Z 26007KT 10SM BKN250 08/M09 A2989 RMK A02 SLP120 T00831089
KBOS 231740Z 2318/2424 26010KT P6SM SCT250
FM240800 18005KT P6SM VCSH OVC080
FM241100 09008KT P6SM -RA OVC030
FM241200 08010G18KT 4SM -RA OVC008
FM241500 07016G25KT 1SM RA BR OVC008
FM242200 34017G27KT 4SM -RA BR OVC008

DESTINATION: OMAA/AUH (ABU DHABI INTL, UNITED ARAB EMIRATES)

UTC +04:00

OMAA 232000Z 02004KT CAVOK 21/14 Q1017 NOSIG
OMAA 231700Z 2318/2500 06005KT CAVOK
BECMG 2407/2409 34010KT
BECMG 2418/2420 05006KT

ALTERNATE: OMDB/DXB (DUBAI INTL, UNITED ARAB EMIRATES)

UTC +04:00

OMDB 232000Z 07006KT 040V100 CAVOK 22/13 Q1017 NOSIG
OMDB 231653Z 2318/2500 08007KT CAVOK
BECMG 2409/2411 35012KT
BECMG 2415/2417 07005KT

EDTO AIRPORT: EINN/SNN (SHANNON, IRELAND)

UTC +00:00

EINN 232030Z 29005KT 9999 FEW018 BKN022 07/06 Q1002 TEMPO BKN012
EINN 231700Z 2318/2418 34008KT 9999 SCT012 BKN020
TEMPO 2318/2320 BKN012
TEMPO 2320/2409 3000 BR BKN007
BECMG 2321/2323 VRB03KT
BECMG 2408/2410 13009KT
BECMG 2415/2417 10012KT
TEMPO 2415/2418 -RA BKN012

EDTO AIRPORT: CYQX/YQX (GANDER INTL, CANADA)

UTC -03:30

CYQX 232000Z 20011KT 15SM -SHRA FEW004 SCT013 BKN030 03/03 A2928 RMK
SF1SC2SC4 VIS LWR SE CVCTV CLD EMBD SLP923
AMD CYQX 231951Z 2319/2418 20012G22KT P6SM SCT015 BKN030
TEMPO 2319/2405 BKN015
BECMG 2402/2404 18012KT
FM240800 VRB03KT 6SM BR BKN004
PROB30 2408/2413 2SM -FZDZ BR OVC003
FM241300 29010G20KT P6SM BKN006
FM241500 29012G22KT P6SM BKN015
RMK NXT FCST BY 240000Z

ADEQUATE: EGLL/LHR (HEATHROW, UNITED KINGDOM)

UTC +00:00

EGLL 232020Z AUTO VRB02KT 9000 -RA SCT038 10/09 Q0998
EGLL 231700Z 2318/2424 08010KT 9999 BKN016
BECMG 2318/2321 VRB03KT 6000
BECMG 2321/2324 3000 BR
TEMPO 2321/2411 BKN009
PROB40 2400/2404 1400
PROB40 TEMPO 2404/2411 1400 BKN003
BECMG 2411/2413 18010KT 9999 NSW
TEMPO 2411/2424 6000 -SHRA BKN010

ADEQUATE: EBBR/BRU (BRUSSELS NATIONAL, BELGIUM)

UTC +01:00

EBBR 232020Z 12002KT CAVOK 05/04 Q0999 NOSIG
EBBR 231700Z 2318/2424 09004KT CAVOK
PROB40 TEMPO 2404/2408 3500 BR
PROB30 TEMPO 2405/2408 1200 BCFG
BECMG 2407/2409 SCT008 BKN012
PROB30 TEMPO 2410/2418 4000 -DZ BKN007
BECMG 2419/2421 SCT012 BKN020

ADEQUATE: EDDF/FRA (FRANKFURT/MAIN, GERMANY)

UTC +01:00

EDDF 232020Z 03012KT CAVOK 09/04 Q1000 NOSIG
EDDF 231700Z 2318/2424 03010KT CAVOK
BECMG 2320/2323 04005KT
BECMG 2418/2421 18005KT 4500 BCFG
PROB40 TEMPO 2420/2424 0800 FG BKN002

ADEQUATE: EDDN/NUE (NUERNBERG, GERMANY)

UTC +01:00

EDDN 232020Z 09010KT CAVOK 07/03 Q1001 NOSIG
EDDN 231700Z 2318/2418 09006KT CAVOK
PROB30 TEMPO 2405/2410 SCT004 BKN010

ADEQUATE: LHBP/BUD (LISZT FERENC INTL, HUNGARY)

UTC +01:00

LHBP 232030Z 10009KT CAVOK 05/02 Q1017 NOSIG
LHBP 231715Z 2318/2418 09009KT CAVOK
TEMPO 2411/2415 FEW030

ADEQUATE: LROP/OTP (HENRI COANDA, ROMANIA)

UTC +02:00

LROP 232030Z 06008KT 3000 -RA BR OVC003 02/02 Q1024 R88/29//95 NOSIG
LROP 231700Z 2318/2418 06008KT 3000 -RADZ BR OVC005
TEMPO 2318/2321 OVC002
TEMPO 2321/2404 0800 -RADZ FG BKN002 BKN020
BECMG 2406/2408 5000 BKN010 OVC020
BECMG 2409/2411 7000 NSW

ADEQUATE: LTBA/ISL (ATATURK INTL, TURKEY)

UTC +03:00

LTBA 232020Z 03005KT 9999 SCT035 BKN100 15/12 Q1020 NOSIG RMK RWY17L
02004KT RWY05 02006KT RWY23 04005KT
LTBA 231640Z 2318/2424 02006KT CAVOK
BECMG 2320/2323 SCT030 BKN100
PROB30 TEMPO 2400/2403 -SHRA BKN025

ADEQUATE: LTCC/DIY (DIYARBAKIR, TURKEY)

UTC +03:00

LTCC 232020Z 26002KT CAVOK 04/M06 Q1022 NOSIG RMK RWY16 VRB02KT
LTCC 231640Z 2318/2418 VRB02KT CAVOK

ADEQUATE: ORER/EBL (ERBIL INTL, IRAQ)

UTC +03:00

ORER 232000Z 00000KT 9000 NSC 07/M08 Q1023 NOSIG
ORER 231700Z 2318/2418 VRB03KT CAVOK

ADEQUATE: ORBI/BGW (BAGHDAD INTL, IRAQ)

UTC +03:00

ORBI 232000Z 00000KT 6000 11/M00 Q1021 NOSIG
ORBI 231700Z 2318/2418 VRB03KT CAVOK

ADEQUATE: OKBK/KWI (KUWAIT INTL, KUWAIT)

UTC +03:00

OKBK 232000Z 17006KT CAVOK 17/06 Q1019 NOSIG
OKBK 231645Z 2318/2424 12010KT 6000 NSC
TEMPO 2318/2404 VRB03KT 4000 HZ

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/3 TRACKS FLS 320/400 INCLUSIVE
NOV 24/0100Z TO NOV 24/0800Z
PART ONE OF THREE PARTS-

S NICS0 48/50 50/40 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 N201B-

T PORTI 47/50 49/40 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 N141D-

U RELIC 4630/50 4830/40 4930/30 5030/20 RODEL EPUNA
EAST LVLS 350 360 370 380 390
WEST LVLS NIL
EUR RTS EAST NIL
NAR N123A N109D-

V SUPRY 46/50 48/40 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 ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 320/400 INCLUSIVE
NOV 24/0100Z TO NOV 24/0800Z
PART TWO OF THREE PARTS-

W RAFIN 45/50 47/40 48/30 49/20 BEDRA NASBA
EAST LVLS 320 330 350 360 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N59C N45D-

X DOVEY 42/60 44/50 46/40 47/30 48/20 48/15 OMOKO GUNSO
EAST LVLS 320 360 380 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

Y JOBOC 41/60 43/50 45/40 46/30 47/20 47/15 ETIKI REGHI
EAST LVLS 320 360 380 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 320/400 INCLUSIVE
NOV 24/0100Z TO NOV 24/0800Z
PART THREE OF THREE PARTS-

Z SOORY 42/50 44/40 45/30 46/20 46/15 SEPAL LAPEX
EAST LVLS 320 360 380 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

REMARKS:

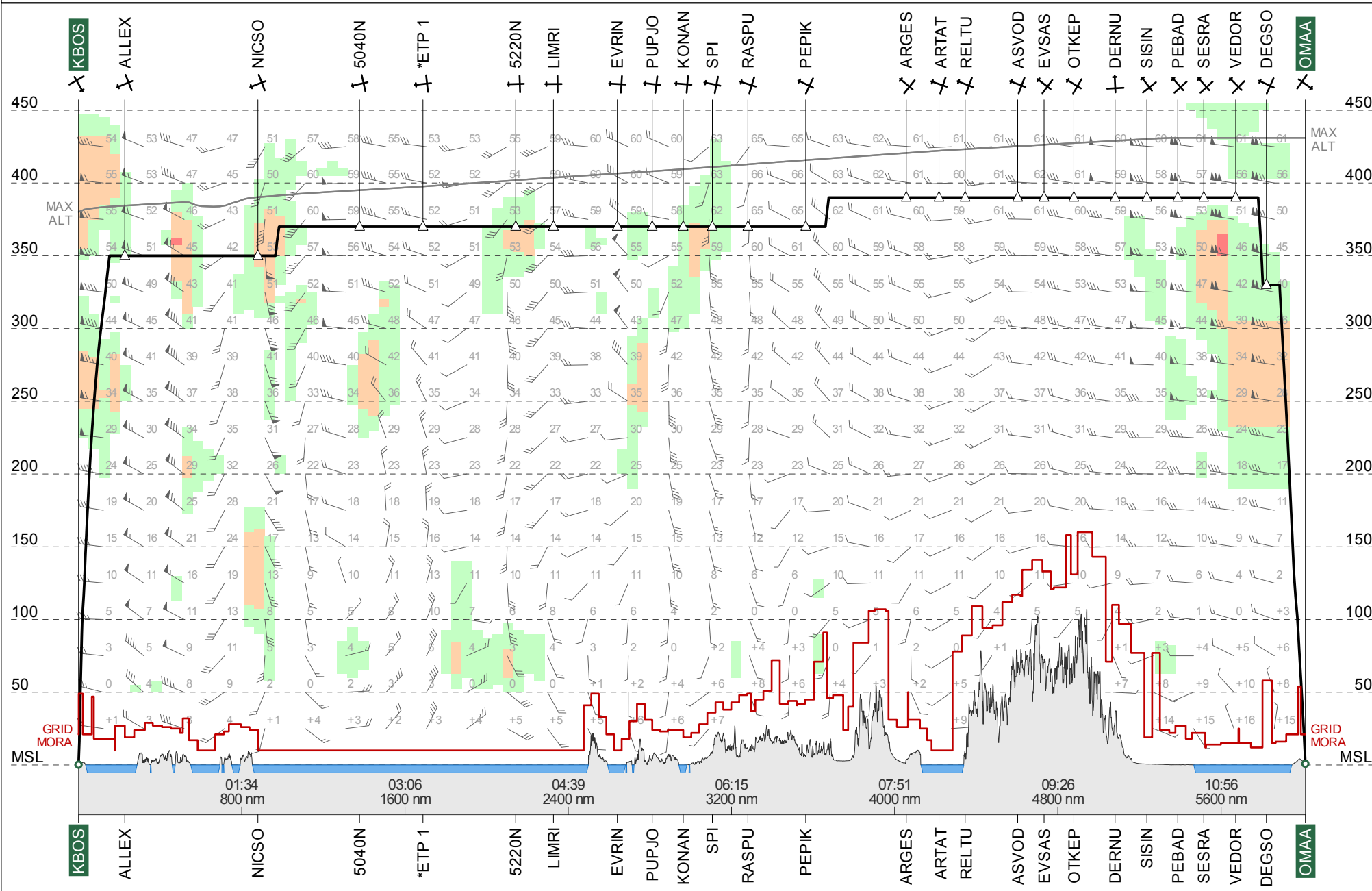
1. TMI IS 328 AND OPERATORS ARE REMINDED TO INCLUDE THE NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
2. OPERATORS ARE REMINDED THAT ADS-C AND CPDLC ARE MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
3. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS
TRACK T
TRACK U
TRACK V
END OF PBCS OTS.
4. CLEARANCE 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. 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.
7. 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.
8. AIRCRAFT EXITING THE NAT REGION TO A DOMESTIC AGENCY SHOULD CONTINUE TO OPERATE TRANSPONDERS ON MODE A2000 UNTIL OTHERWISE ADVISED BY ATC.
SEE
ICAO NAT DOC 007 6.8 FOR MORE INFO.
9. FL320 EXPIRES AT 30W AT 0600Z ON TRACK X, Y AND Z.
10. OPERATORS ARE REMINDED TO CHECK NOTAM H0015/19 FOR FLIGHT PLANNING RESTRICTIONS.-

END OF PART THREE OF THREE PARTS)

TR221D #1

KBOS —> OMAA

ETD 23 Nov 22:50z
N78901 B789



Route Chart

EDTO 180

TR221D #1 KBOS-OMAA

23 Nov 2019

N78901 B789

Lambert Conical Projection
Standard Parallels: 33N and 43N

