



Tradewind VA



Flight Briefing Package

TCC221A KBOS-OMAA

23-Nov-2019 #3

RELEASE #3

LOGAN INTL
(UNITED STATES)

-

ABU DHABI INTL
(UNITED ARAB EMIRATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

23 NOV 2009 UTC

Fuel Planning (kg)	EU-OPS	Fuel	Time
TRIP		81.518	11:53
CONT 5%		4.076	00:41
HOLD	OMAA	2.006	00:20
ALTN	OMDB	3.290	00:32
FINAL RESV		3.009	00:30
ADD FUEL		1.477	00:15
MIN T/O		95.376	14:10
EXTRA		1.505	00:15
TAXI		780	00:15
RELEASE	KBOS	97.661	14:40
ARR FUEL	OMAA	14.739	02:21

Load Planning (kg)	PJTGC	Plan	Limit
Empty Weight		156.146	
Payload	263+0 Pax	24.722	
Zero Fuel Weight		180.868	209.106
Fuel		97.661	162.613
Ramp Weight		278.529	348.359
Take-Off Weight KBOS		277.749	321.024
Landing Weight OMAA	Limit	196.231	223.167
Underload		26.936	Lim LDW

Cost Planning		
Flight Time	11:53\$	65.752
Fuel	82.922\$	45.501
Total	\$	111.253
Per Pax	\$	423
Per 5.000 kg Payload	\$	22.501

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC221A PJTGC KBOS-OMAA

ALL WEIGHTS IN KILOGRAMS (KG) STD 23NOV/2235Z

OPF 3 - PREPARED 23NOV/2009Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR221A/TCC221A PJTGC/B777-2LR GE SEL/SALH ROUTE: KBOSOMAA01

DEP: KBOS/BOS 33L ELEV 19 FT COST INDEX: 250 TTL G/C DIST: 5802 NM
ARR: OMAA/AUH 31L ELEV 83 FT INIT ALT: FL330 TTL F/P DIST: 6013 NM
FUEL BIAS: 100.5% TTL AIR DIST: 5653 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	156146	263	0	24722	26936 LDW	MAX	209106	321024
						PLN	180868	277749
						ACT	.....	.....

** TAKE-OFF DATA KBOS 33L **

COND: 277749 KG // RWY DRY // +8°C Q1012 260/10 // LMT: STRUCT
CONFIG: FLAPS 5 // D-TO +47C // A/I OFF/AUTO // A/C ON
SPEEDS: V1=157 VR=162 V2=166
ENG OUT: RT TO 'LQ' 382.0 (216 INBD,LT)

	FUEL	CORR	ENDUR	
TRIP	81518	.....	11:53	
CONT 5%	4076	.....	00:41	
ALTN OMDB	3290	.....	00:32	
FINAL RESV	3009	.....	00:30	
HOLD	2006	.....	00:20	
ADD FUEL	1477	.....	00:15	
MIN T/O	95376	.....	14:10	.....
EXTRA	1505	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	780	.....	00:15	
RELEASE	97661	.....	14:40	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	14739	.....	02:21	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 28441 KG LIM BY LDW
TRIP CORR FOR 5000 KG TOW INCR: +1276 KG / 5000 KG TOW DECR: -1312 KG
2000 FT LOWER: +1298 KG / EET 11:50 CLB: 250/310/84 DES: 84/320/250

KBOS	STD 22:35Z/17:35L	ETD 22:35Z	ACT OFBL	EST T/O 22:50Z	ACT T/O
OMAA	STA 10:45Z/14:45L	ETA 10:55Z	ACT ONBL	EST LDG 10:43Z	ACT LDG
	SKD 12:10	PLN 12:20	TTL BLCK	EST FLT 11:53	TTL FLT

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (CYQX)	171 NM BEFORE 5040N	N49 16.5 W044 14.9	EET 02:22
ETOPS EXIT (EINN)	182 NM BEFORE LIMRI	N52 00.1 W019 55.3	EET 04:11

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

CYQX (02:07-04:28)

EINN (03:55-04:28)

ONE ENGINE OUT ETP 1 FOR CYQX/EINN N50 49.4 W032 37.8 EET 03:14
 1E084/320 DESC TO FL245 CRUISE AT 1E0320 100 NM BEFORE 5130N
 PLN FUEL OVER ETP 69737 ETP FUEL REQ 19526 DIV TIME 01:55
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 854 NM WC TL005 TT 271
 ETP TO EINN (N52 42.1 W008 55.5) DIST 885 NM WC TL020 TT 073
 *** FUEL DUMP REQUIRED ***

ONE ENGINE OUT DECOMP ETP 1 FOR CYQX/EINN N50 51.6 W032 08.8 EET 03:16
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 82 NM BEFORE 5130N
 PLN FUEL OVER ETP 69477 ETP FUEL REQ 20515 DIV TIME 02:22
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 872 NM WC TL007 TT 271
 ETP TO EINN (N52 42.1 W008 55.5) DIST 867 NM WC TL002 TT 074
 *** FUEL DUMP REQUIRED ***

ALL ENGINE DECOMP ETP 1 FOR CYQX/EINN N50 51.6 W032 08.8 EET 03:16
 84/320/250 DESC TO FL100 CRUISE AT AE320 82 NM BEFORE 5130N
 PLN FUEL OVER ETP 69477 ETP FUEL REQ 19569 DIV TIME 02:22
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 872 NM WC TL007 TT 271
 ETP TO EINN (N52 42.1 W008 55.5) DIST 867 NM WC TL002 TT 074
 *** FUEL DUMP REQUIRED ***

ATC ROUTE: N0488F330 LBSTA6 LBSTA DCT ALLEX/N0485F350 N205B NICS0 NATS
 48N050W/M084F350 NATS XETBO DCT EVRIN/N0486F350 L607 NEKAP/N0481F370
 L607 KONAN UL607 MATUG UZ660 BOREP DCT ENITA DCT PEPIK DCT BALAP DCT
 ARGES DCT ARTAT UP975 ERGUN/N0479F390 UL124 EVSAS UM688 SIDAD UP975
 SESRA M677 RABAP UM677 OBNET M677 LUDAM G666 ELOVU ELOV3C

ALTERNATE PLANNING

 ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE
 OMDB/12R 127 6000 027 HD001 00:32 3290 - LORI2K LORID LORI1E

MOST CRITICAL MORA 16000 FT AT RATVO

AWY -FIR	WAYPOINT NAME	MT	ALT MSA ISA	FREQ WND/SPD	TAS GS	LEG REM	FUEL REM / USED POSITION	LEG ETO / ATO	ACC
	KBOS/33L LOGAN INTL		19 021				96.9 / 0.8 N4221.3 W07059.5	/.....	
LBSTA6	TEKKK	321	*CLB 049 M03 270/021			6 6007	95.6 / 2.1 N4224.8 W07105.9	03 00.03/.....	
LBSTA6	CAMWI	353	*CLB 049 P01 266/030			6 6000	95.1 / 2.6 N4230.7 W07109.2	01 00.04/.....	
LBSTA6	LBSTA	068	*CLB 049 P01 275/050			29 5971	93.7 / 4.0 N4248.0 W07036.8	05 00.09/.....	
DCT	*TOC	072	FL330 047 M01 274/088		488 57 555 5914		92.0 / 5.7 N4318.5 W06931.5	06 00.15/.....	
DCT -CZQM	ALLEX	073	*CLB 027 M01 284/069			128 5786	90.2 / 7.5 N4425.0 W06700.0	14 00.29/.....	
	CYQX	085	FL350 029 M01 266/100			128 5658	88.3 / 9.4 N4510.5 W06411.2	14 00.43/.....	
N205B	*BDRY	087	FL350 032		497 264		84.5 / 13.2	30 01.13	

-CZQX P13 284/033 528 5394 N4630.5 W05811.0/.....

N205B NICS0 092 FL350 028 491 261 80.7 / 17.0 31 01.44
P04 172/054 492 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 FL350 010 485 86 79.4 / 18.3 10 01.54
48N050W M01 188/061 507 5047 N4800.0 W05000.0/.....

----- ETOPS ENTRY (CYQX) 0171 NM BEFORE 5040N EET 02:22 -----

NATS 5040N 090 FL350 010 484 412 73.7 / 24.0 47 02.41
50N040W M01 280/060 539 4636 N5000.0 W04000.0/.....

*ETP 1 093 FL350 010 487 305 69.5 / 28.2 35 03.16
CYQX/EINN P01 291/026 512 4331 N5051.6 W03208.8/.....

NATS 5130N 096 FL350 010 489 82 68.3 / 29.3 10 03.26
-EGGX 51N030W P02 285/023 510 4249 N5100.0 W03000.0/.....

NATS 5220N 089 FL350 010 487 379 63.0 / 34.7 45 04.11
52N020W P00 188/040 496 3870 N5200.0 W02000.0/.....

----- ETOPS EXIT (EINN) 0182 NM BEFORE LIMRI EET 04:11 -----

NATS LIMRI 096 FL350 010 487 185 60.4 / 37.3 22 04.33
M00 233/039 516 3685 N5200.0 W01500.0/.....

NATS XETBO 096 FL350 010 486 37 59.9 / 37.8 04 04.37
-EISN M01 240/039 519 3648 N5200.0 W01400.0/.....

DCT EVRIN 095 FL350 049 486 276 56.3 / 41.4 32 05.09
-EGTT M01 310/048 524 3372 N5146.9 W00633.8/.....

EGLL 096 FL350 018 23 56.0 / 41.7 03 05.12
M02 228/021 3349 N5145.4 W00556.4/.....

L607 NEKAP 096 *CLB 018 24 55.6 / 42.0 02 05.14
M01 317/052 3325 N5143.6 W00517.4/.....

L607 LAZTU 097 FL370 030 481 16 55.3 / 42.3 02 05.16
M01 310/040 514 3309 N5142.3 W00452.0/.....

L607 ABDUK 097 FL370 042 482 40 54.8 / 42.8 05 05.21
M01 306/029 508 3269 N5138.6 W00348.0/.....

L607 NUMPO 097 FL370 042 482 19 54.6 / 43.1 02 05.23
M01 301/026 507 3249 N5136.6 W00317.0/.....

L607 PUPJO 097 FL370 042 483 48 53.9 / 43.8 06 05.29
M01 290/018 503 3201 N5131.0 W00200.0/.....

L607 INLAK 098 FL370 024 483 18 53.7 / 44.0 02 05.31
M01 286/016 501 3183 N5128.7 W00131.5/.....

EBBR 098 FL370 024 101 52.3 / 45.4 12 05.43

				M00 284/020	3082	N5113.5	E00108.9	/.....
L607 -EBUR	KONAN	099	FL370	024	482 33	51.8 / 45.8	04 05.47	
				M02 201/019	487 3049	N5107.9	E00200.0	/.....
UL607	KOK KOKSY	094	FL370	019	114.50 482 25	51.5 / 46.2	03 05.50	
				M03 196/023	487 3024	N5105.7	E00239.1	/.....
UL607	FERDI	105	FL370	022	482 39	51.0 / 46.7	05 05.55	
				M03 191/026	479 2986	N5054.8	E00338.2	/.....
UL607	BUPAL	106	FL370	028	481 38	50.4 / 47.2	05 06.00	
				M04 185/026	476 2947	N5043.4	E00436.1	/.....
UL607	REMBA	106	FL370	028	481 12	50.3 / 47.4	02 06.02	
				M04 183/026	475 2935	N5039.7	E00454.9	/.....
UL607	SPI SPRIMONT	106	FL370	036	113.10 480 28	49.9 / 47.8	03 06.05	
				M05 177/023	471 2906	N5030.9	E00537.4	/.....
UL607	PELIX	100	FL370	036	480 5	49.8 / 47.9	01 06.06	
				M05 175/023	474 2901	N5029.8	E00545.8	/.....
	EDDN	100	FL370	043	18	49.5 / 48.1	02 06.08	
				M05 192/021	2883	N5026.2	E00613.5	/.....
UL607 -EDVV	MATUG	100	FL370	043	480 6	49.4 / 48.2	01 06.09	
				M06 171/021	473 2877	N5025.0	E00622.2	/.....
UZ660 -EDUU	*BDRY	095	FL370	043	480 8	49.3 / 48.3	01 06.10	
				M06 169/021	473 2870	N5024.1	E00634.1	/.....
	EDDF	095	FL370	043	43	48.7 / 48.9	05 06.15	
				M06 196/017	2826	N5018.6	E00741.2	/.....
UZ660	GUBAX	095	FL370	038	478 9	48.6 / 49.1	01 06.16	
				M07 173/018	473 2818	N5017.4	E00754.7	/.....
UZ660	RASPU	096	FL370	049	477 85	47.4 / 50.3	11 06.27	
				M08 176/011	474 2732	N5004.4	E01005.9	/.....
UZ660	BOREP	104	FL370	049	477 21	47.1 / 50.6	03 06.30	
				M08 186/011	473 2711	N4958.0	E01037.7	/.....
DCT -LKAA	ENITA	099	FL370	051	476 73	46.1 / 51.6	09 06.39	
				M08 235/009	480 2638	N4942.1	E01228.4	/.....
	LHBP	102	FL370	072	121	44.5 / 53.2	15 06.54	
				M08 297/016	2517	N4908.1	E01526.5	/.....
DCT -LZBB	PEPIK	103	FL370	045	477 68	43.6 / 54.1	08 07.02	
				M07 304/022	499 2449	N4847.0	E01704.8	/.....
DCT -LHCC	BALAP	111	FL370	091	479 97	42.3 / 55.3	12 07.14	
				M06 310/025	504 2352	N4804.1	E01915.0	/.....
DCT -LRBB	*BDRY	119	FL370	091	480 119	40.8 / 56.9	14 07.28	
				M04 302/021	503 2233	N4655.4	E02138.7	/.....
	LROP	121	FL370	084	57	40.1 / 57.6	07 07.35	
				M05 301/028	2176	N4621.7	E02245.0	/.....
DCT -LBSR	ARGES	121	FL370	107	482 221	37.3 / 60.4	26 08.01	
				M03 286/022	503 1956	N4404.9	E02649.6	/.....

	LTBA	123	FL370	050		140	35.5 / 62.2	17	08.18
				M04	281/028	1816	N4235.0 E02916.9	/.....	
DCT -LTBB	ARTAT	125	FL370	010		483 20	35.2 / 62.4	02	08.20
				M03	273/020	499 1796	N4221.8 E02937.5	/.....	
UP975 -LTAA	ERMUP	103	FL370	010		482 66	34.4 / 63.3	08	08.28
				M03	263/019	501 1730	N4200.0 E03101.4	/.....	
UP975	ROKVA	104	FL370	078		482 30	34.0 / 63.6	04	08.32
				M03	260/019	500 1699	N4149.8 E03139.4	/.....	
UP975	NAPIP	104	FL370	078		482 4	34.0 / 63.7	00	08.32
				M03	260/019	499 1696	N4148.4 E03144.3	/.....	
UP975	UNVUS	104	FL370	089		482 19	33.7 / 63.9	03	08.35
				M03	257/020	499 1676	N4141.7 E03208.5	/.....	
UP975	ASMOB	104	FL370	089		482 4	33.7 / 64.0	00	08.35
				M03	257/020	499 1672	N4140.2 E03214.0	/.....	
UP975	RELTU	104	FL370	089		482 4	33.6 / 64.0	01	08.36
				M03	256/020	499 1668	N4138.7 E03219.4	/.....	
UP975	APTOX	105	FL370	089		482 9	33.5 / 64.2	01	08.37
				M03	255/020	499 1659	N4135.6 E03230.3	/.....	
UP975	TEPKI	105	FL370	089		482 24	33.2 / 64.5	03	08.40
				M03	252/021	499 1635	N4127.2 E03259.6	/.....	
UP975	PIPUR	113	FL370	109		482 13	33.0 / 64.6	01	08.41
				M03	253/021	497 1623	N4121.1 E03314.3	/.....	
UP975	ORMAN	112	FL370	109		482 8	33.0 / 64.7	01	08.42
				M03	253/022	497 1615	N4117.5 E03323.2	/.....	
	LTCC	112	FL370	109		68	32.1 / 65.6	08	08.50
				M04	263/032	1547	N4045.7 E03442.3	/.....	
UP975	ERGUN	112	*CLB	094		2	32.1 / 65.6	00	08.50
				M04	257/023	1546	N4044.8 E03444.3	/.....	
UL124	ASVOD	100	FL390	117		479 136	30.3 / 67.3	17	09.07
				M05	269/029	506 1410	N4004.9 E03734.4	/.....	
UL124	KONUK	105	FL390	141		478 94	29.2 / 68.5	11	09.18
				M05	274/031	508 1316	N3930.7 E03928.1	/.....	
UL124	EVSAS	102	FL390	141		479 35	28.8 / 68.9	04	09.22
				M05	276/032	510 1281	N3919.5 E04011.3	/.....	
	ORER	121	FL390	133		63	28.0 / 69.7	07	09.29
				M06	283/042	1217	N3841.0 E04115.6	/.....	
UM688	BAYIR	122	FL390	122		479 9	27.9 / 69.8	01	09.30
				M05	278/036	509 1209	N3835.7 E04124.2	/.....	
UM688	ULTED	120	FL390	122		479 25	27.6 / 70.1	03	09.33
				M05	279/037	511 1184	N3821.0 E04149.6	/.....	
UM688	EMBAG	121	FL390	158		479 23	27.3 / 70.3	03	09.36
				M05	280/038	512 1162	N3807.6 E04212.5	/.....	

UM688	OTKEP	121	FL390	158	479	27	27.0 / 70.6	03	09.39
				M05 280/039	514	1135	N3751.6 E04239.6	/.....	
UM688	RATVO	115	FL390	160	480	71	26.2 / 71.5	08	09.47
-ORBB				M04 280/042	518	1064	N3714.4 E04356.1	/.....	
UM688	OTIDO	134	FL390	160	480	29	25.8 / 71.8	04	09.51
				M04 279/044	513	1034	N3651.9 E04419.6	/.....	
UM688	DERNU	152	FL390	143	482	102	24.6 / 73.0	12	10.03
				M03 276/051	505	932	N3517.8 E04506.9	/.....	
UM688	SOBIL	172	FL390	110	483	48	24.0 / 73.6	06	10.09
				M02 275/057	489	884	N3430.0 E04510.1	/.....	
	ORBI	172	FL390	097		63	23.2 / 74.4	07	10.16
				M03 285/074		822	N3327.5 E04514.4	/.....	
UM688	VAXEN	172	FL390	077	484	10	23.1 / 74.5	02	10.18
				M01 275/069	490	812	N3318.0 E04515.0	/.....	
UM688	SISIN	137	FL390	077	484	36	22.7 / 74.9	04	10.22
				M01 275/075	532	777	N3250.1 E04541.2	/.....	
	OKBK	137	FL390	077		29	22.4 / 75.3	03	10.25
				M02 285/083		748	N3227.4 E04602.3	/.....	
UM688	PEBAD	138	FL390	077	485	123	21.1 / 76.6	13	10.38
				P01 276/099	548	625	N3050.4 E04730.0	/.....	
UM688	SIDAD	134	FL390	027	485	78	20.2 / 77.4	09	10.47
-OKAC				P01 277/113	564	548	N2952.5 E04829.7	/.....	
UP975	LOVAR	149	FL390	022	486	32	19.9 / 77.8	03	10.50
				P02 277/122	543	516	N2924.4 E04846.2	/.....	
UP975	SESRA	151	FL390	022	486	18	19.7 / 78.0	02	10.52
				P02 277/128	541	498	N2908.1 E04854.9	/.....	
M677	RETEL	134	FL390	022	486	21	19.5 / 78.2	02	10.54
				P02 277/131	575	477	N2852.6 E04910.8	/.....	
M677	RABAP	135	FL390	014	486	22	19.3 / 78.4	03	10.57
-OBBS				P02 277/134	578	455	N2836.4 E04927.4	/.....	
UM677	PASAK	118	FL390	014	485	22	19.0 / 78.6	02	10.59
				P02 278/136	605	433	N2825.0 E04948.8	/.....	
UM677	GOGMA	145	FL390	014	486	13	18.9 / 78.7	01	11.00
				P03 278/138	562	421	N2814.4 E04956.2	/.....	
UM677	IVIVI	142	FL390	015	486	45	18.5 / 79.2	05	11.05
				P03 278/138	571	376	N2737.6 E05024.6	/.....	
	OMAA	143	FL390	015		24	18.2 / 79.5	03	11.08
				P03 273/118		352	N2717.5 E05040.0	/.....	
UM677	VEDOR	143	FL390	015	487	10	18.1 / 79.6	01	11.09
				P03 279/134	569	341	N2708.9 E05046.5	/.....	
UM677	TOSDA	132	FL390	015	486	13	18.0 / 79.7	01	11.10
				P03 279/133	589	329	N2700.1 E05056.5	/.....	
UM677	TORBO	119	FL390	025	485	15	17.8 / 79.8	01	11.11

				P03 279/132 606 314 N2652.4 E05110.4/.....
UM677	SEVNI	106	FL390 015 485 26 17.6 / 80.1 03 11.14	
			P03 279/131 614 288 N2644.0 E05138.3/.....	
UM677	SOGAN	106	FL390 015 485 15 17.4 / 80.2 01 11.15	
			P03 280/130 614 273 N2639.3 E05154.1/.....	
UM677	MURUB	107	FL390 015 485 42 17.1 / 80.6 04 11.19	
			P03 280/128 612 231 N2624.9 E05237.9/.....	
UM677	UKNEP	108	FL390 012 485 10 17.0 / 80.7 01 11.20	
			P03 280/127 611 221 N2621.5 E05248.3/.....	
UM677	DEGSO	108	FL390 058 485 30 16.7 / 81.0 03 11.23	
			P03 281/125 609 191 N2610.9 E05319.8/.....	
UM677	OBNET	112	FL390 058 486 25 16.4 / 81.2 03 11.26	
-OMAE			P03 281/124 606 166 N2600.5 E05345.2/.....	
M677	LUDAM	111	FL390 058 486 14 16.3 / 81.3 01 11.27	
			P03 282/123 607 152 N2555.1 E05359.0/.....	
G666	KIVUS	169	FL390 016 489 10 16.2 / 81.5 01 11.28	
			P03 282/121 517 142 N2545.4 E05400.5/.....	
G666	*TOD	159	FL390 016 488 6 16.1 / 81.5 01 11.29	
			P03 282/120 539 136 N2539.7 E05402.7/.....	
G666	TOTKU	159	*DES 016 4 16.1 / 81.5 01 11.30	
			P06 282/119 132 N2535.6 E05404.2/.....	
G666	ULIVA	166	*DES 016 9 16.1 / 81.6 01 11.31	
			P10 283/113 123 N2526.8 E05406.2/.....	
G666	VEGEK	166	*DES 016 8 16.1 / 81.6 01 11.32	
			P10 283/098 115 N2518.6 E05408.1/.....	
G666	REVAV	166	*DES 016 10 16.1 / 81.6 01 11.33	
			P09 282/081 105 N2509.2 E05410.2/.....	
G666	ITOMI	166	*DES 016 7 16.1 / 81.6 01 11.34	
			P08 281/068 98 N2501.9 E05411.9/.....	
G666	ELOVU	118	*DES 021 9 16.0 / 81.6 01 11.35	
			P08 279/051 89 N2457.4 E05420.3/.....	
ELOV3C	MUVUM	138	*DES 021 25 16.0 / 81.7 03 11.38	
			P09 281/029 64 N2438.1 E05437.8/.....	
ELOV3C	AA522	144	*DES 021 5 15.9 / 81.7 01 11.39	
			P09 282/027 58 N2433.6 E05441.0/.....	
ELOV3C	ITUGO	144	*DES 021 3 15.9 / 81.8 01 11.40	
			P09 283/026 55 N2431.0 E05442.9/.....	
ELOV3C	TONKI	126	*DES 021 7 15.9 / 81.8 01 11.41	
			P09 285/024 48 N2426.8 E05448.9/.....	
ELOV3C	LOXIX	126	*DES 021 9 15.9 / 81.8 01 11.42	
			P08 287/021 39 N2421.3 E05456.6/.....	
ELOV3C	AA524	126	*DES 054 5 15.8 / 81.9 01 11.43	
			P08 289/018 34 N2418.2 E05500.9/.....	

ELOV3C	GISVU	126	*DES 054	5	15.8 / 81.9	01	11.44
			P08 290/015	29	N2415.1 E05505.2	/.....	
ELOV3C	AA526	216	*DES 054	5	15.8 / 81.9	01	11.45
			P07 295/011	24	N2411.2 E05501.8	/.....	
ELOV3C	PEGUM	306	*DES 054	3	15.7 / 82.0	01	11.46
			P07 299/008	21	N2413.2 E05458.9	/.....	
ELOV3C	OMAA/31L	303	83 021	21	15.4 / 82.3	07	11.53
	ABU DHABI INTL				N2425.3 E05440.0	/.....	

WIND INFORMATION - OBS 23/NOV 12:00

(CLIMB)			NICSO			5040N			5130N		
FL320	272/090	-49	FL390	195/039	-49	FL390	278/051	-58	FL390	279/027	-52
FL260	277/071	-36	FL370	182/045	-49	FL370	279/056	-57	FL370	282/025	-52
FL190	276/044	-21	FL350	172/055	-50	FL350	280/061	-55	FL350	285/024	-52
13000	270/034	-10	FL330	167/066	-49	FL330	282/064	-52	FL330	287/020	-51
6000	274/024	-0	FL310	164/078	-47	FL310	284/064	-47	FL310	286/014	-48
5220N			LIMRI			EVRIIN			ABDUK		
FL390	230/033	-54	FL390	245/043	-59	FL390	302/036	-62	FL410	297/027	-60
FL370	210/034	-54	FL370	240/041	-57	FL370	307/042	-59	FL390	301/027	-60
FL350	189/041	-54	FL350	233/039	-55	FL350	311/049	-55	FL370	307/029	-57
FL330	181/044	-52	FL330	228/038	-51	FL330	313/052	-51	FL350	313/032	-55
FL310	182/042	-48	FL310	225/036	-47	FL310	314/050	-46	FL330	314/030	-51
KONAN			BUPAL			GUBAX			BOREP		
FL410	252/013	-60	FL410	214/015	-62	FL410	193/010	-65	FL410	208/008	-66
FL390	229/014	-60	FL390	197/020	-62	FL390	174/014	-65	FL390	193/010	-67
FL370	201/019	-59	FL370	185/027	-61	FL370	174/018	-63	FL370	187/012	-64
FL350	187/029	-57	FL350	178/035	-59	FL350	175/023	-60	FL350	182/013	-61
FL330	179/039	-55	FL330	174/039	-56	FL330	175/024	-56	FL330	181/014	-56
PEPIK			ARGES			ARTAT			NAPIP		
FL410	294/016	-65	FL410	277/021	-61	FL410	272/024	-61	FL410	266/024	-61
FL390	303/021	-66	FL390	281/021	-61	FL390	275/022	-60	FL390	264/021	-60
FL370	305/023	-63	FL370	287/023	-59	FL370	274/021	-59	FL370	260/020	-59
FL350	305/024	-60	FL350	292/026	-58	FL350	271/020	-58	FL350	254/019	-58
FL330	307/024	-56	FL330	296/027	-56	FL330	270/018	-56	FL330	249/018	-55
ASVOD			EVSAS			EMBAG			OTIDO		
FL430	272/031	-61	FL430	277/034	-61	FL430	278/040	-61	FL430	279/046	-60
FL410	271/030	-61	FL410	277/033	-61	FL410	279/039	-61	FL410	279/045	-60
FL390	269/029	-62	FL390	277/033	-62	FL390	280/039	-61	FL390	280/044	-61
FL370	268/027	-61	FL370	277/031	-60	FL370	281/038	-60	FL370	280/043	-59
FL350	265/024	-59	FL350	277/029	-58	FL350	281/037	-58	FL350	281/041	-57
DERNU			VAXEN			PEBAD			LOVAR		
FL430	277/054	-60	FL430	274/072	-60	FL430	276/099	-61	FL430	278/115	-61
FL410	277/053	-60	FL410	275/071	-59	FL410	276/099	-58	FL410	277/118	-58
FL390	277/052	-59	FL390	275/070	-57	FL390	276/099	-56	FL390	277/123	-55
FL370	277/046	-58	FL370	275/065	-56	FL370	276/092	-54	FL370	277/112	-52
FL350	277/038	-57	FL350	274/059	-54	FL350	276/084	-52	FL350	277/098	-50
IVIVI			MURUB			(DESCENT)					
FL430	278/124	-62	FL430	278/117	-62	FL380	290/119	-51			
FL410	279/131	-58	FL410	279/122	-58	FL310	284/077	-40			
FL390	279/139	-54	FL390	281/128	-53	FL230	277/041	-22			
FL370	279/129	-50	FL370	281/124	-49	FL150	269/022	-6			
FL350	279/115	-47	FL350	281/117	-45	7000	270/003	+7			

END FLIGHTPLAN 03563 TCC221A PJTGC KBOS-OMAA 23NOV2019

[ATC FLIGHTPLAN]

(FPL-TCC221A-IS
-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2
-KBOS2235
-N0488F330 LBSTA6 LBSTA DCT ALLEX/N0485F350 N205B NICSO NATS
48N050W/M084F350 NATS XETBO DCT EVRIN/N0486F350 L607
NEKAP/N0481F370 L607 KONAN UL607 MATUG UZ660 BOREP DCT ENITA DCT
PEPIK DCT BALAP DCT ARGES DCT ARTAT UP975 ERGUN/N0479F390 UL124
EVSAS UM688 SIDAD UP975 SESRA M677 RABAP UM677 OBNET M677 LUDAM
G666 ELOVU ELOV3C
-OMAA1153 OMDB
-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/191123 REG/PJTGC
EET/CZQM0029 CZQX0113 48N050W0154 50N040W0241 EGGX0326
52N020W0411 LIMRI0433 EISN0433 XETB00437 EVRIN0509 EGGT0509
EBUR0547 EDVV0609 EDUU0610 LKAA0639 LZBB0702 LHCC0714 LRBB0728
LBSR0801 LTBB0820 LTAA0828 ORBB0947 OKAC1047 OBBB1057 OMAE1126
SEL/SALH CODE/484DC5 RVR/75 OPR/TRADEWIND CARIBBEAN
ORGN/TNCCTCAP PER/C
RALT/EINN CYQX
RMK/TCAS
-E/1425)

[PLANNING WEATHER]

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

UTC -05:00

KBOS 231854Z 25011KT 10SM SCT250 08/M09 A2988 RMK A02 SLP117 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 232000Z 29006KT 9999 BKN020 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 231934Z 18011G18KT 15SM SCT004 SCT014 OVC025 04/03 A2927 RMK
SF3SC1SC4 SLP921
CYQX 231743Z 2318/2418 13015G25KT P6SM SCT002 OVC020
TEMPO 2318/2321 3SM -RA -DZ BR BKN002 OVC020
BECMG 2319/2321 20012G22KT
FM232100 20012G22KT P6SM SCT015 BKN030
TEMPO 2321/2405 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 231920Z AUTO 08005KT 9999 -RA BKN034 10/09 Q0997 NOSIG
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 231920Z 09003KT CAVOK 06/04 Q0998 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 231950Z 03013KT 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 231950Z 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 231930Z 09008KT CAVOK 06/03 Q1017 NOSIG
LHBP 231715Z 2318/2418 09009KT CAVOK
TEMPO 2411/2415 FEW030

ADEQUATE: LROP/OTP (HENRI COANDA, ROMANIA)

UTC +02:00

LROP 232000Z 05009KT 3000 -RA BR OVC003 02/02 Q1025 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 231920Z 03006KT CAVOK 15/12 Q1020 NOSIG RMK RWY17L 02004KT RWY05
02005KT RWY23 05006KT
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 231920Z 00000KT CAVOK 06/M06 Q1022 NOSIG RMK RWY16 10003KT
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 231900Z 02003KT 6000 BR NSC 11/03 Q1020 NOSIG
ORBI 231700Z 2318/2418 VRB03KT CAVOK

ADEQUATE: OKBK/KWI (KUWAIT INTL, KUWAIT)

UTC +03:00

OKBK 231900Z 17005KT CAVOK 17/05 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:

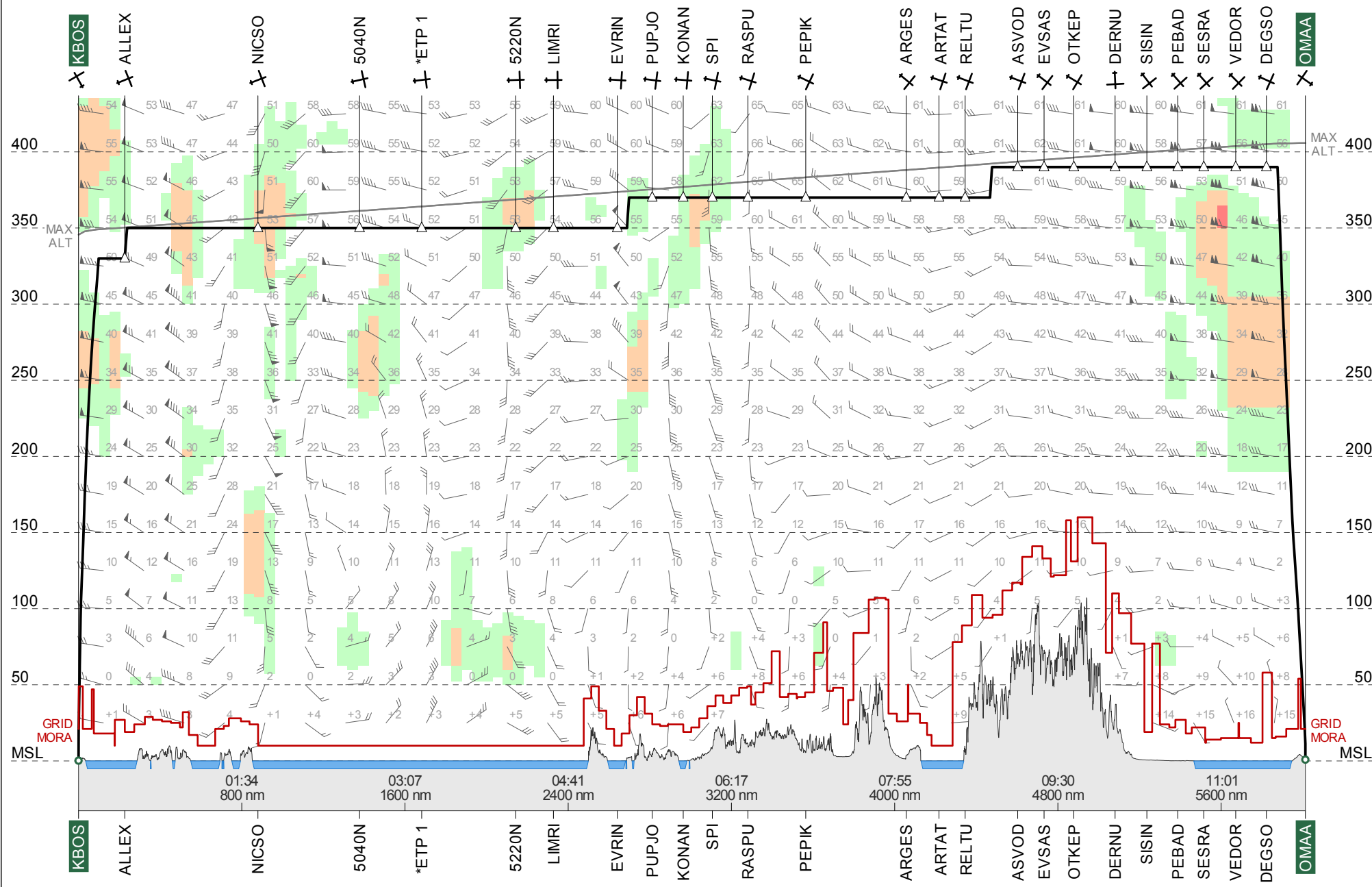
1. TMI IS 328 AND OPERATORS ARE REMINDED TO INCLUDE THE NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
2. OPERATORS ARE REMINDED THAT ADS-C AND CPDLC ARE MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
3. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS
TRACK T
TRACK U
TRACK V
END OF PBCS OTS.
4. CLEARANCE 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)

TR221A #3

KBOS —▶ OMAA

ETD 23 Nov 22:35z
PJTGC B77L



Route Chart

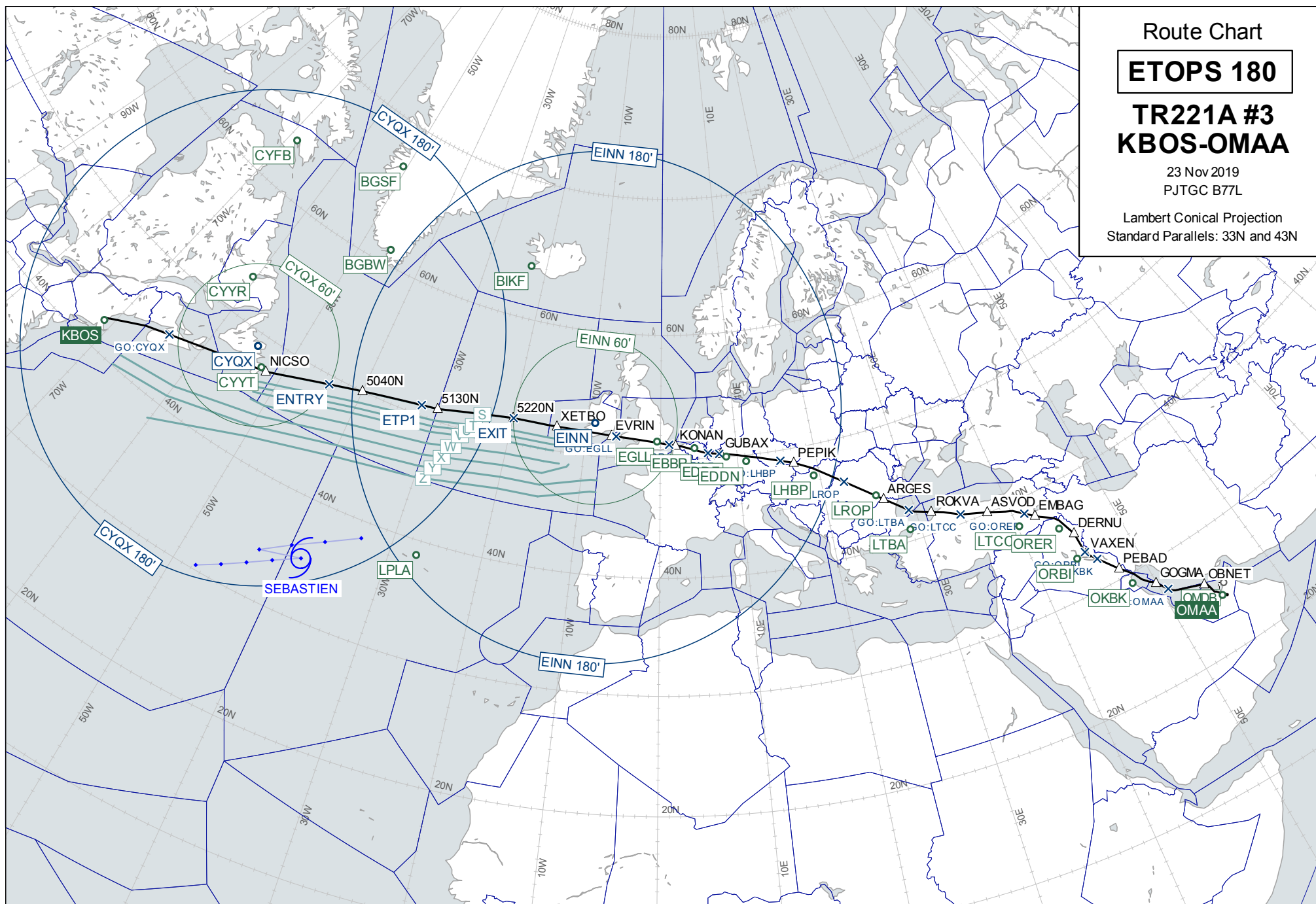
ETOPS 180

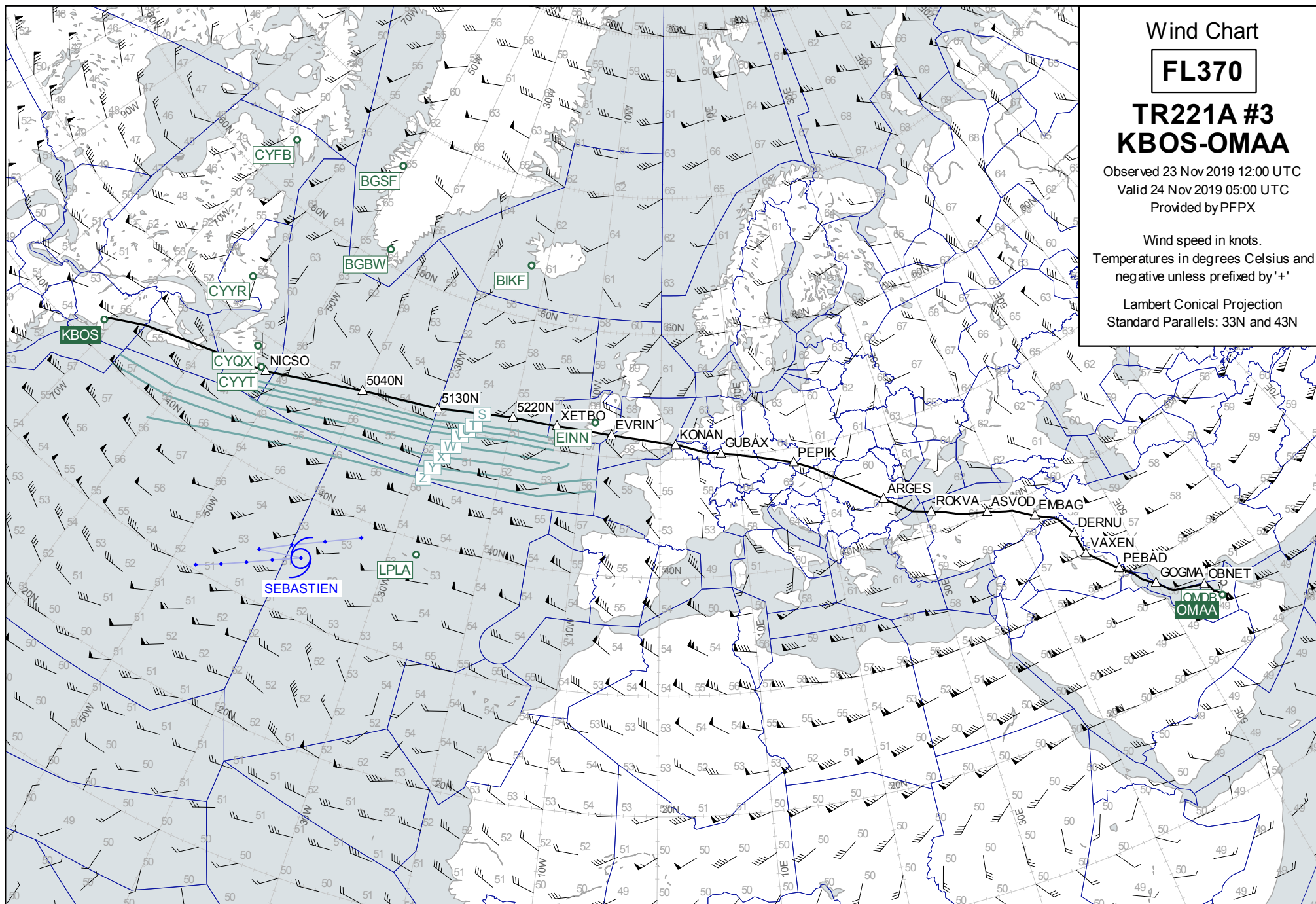
TR221A #3 KBOS-OMAA

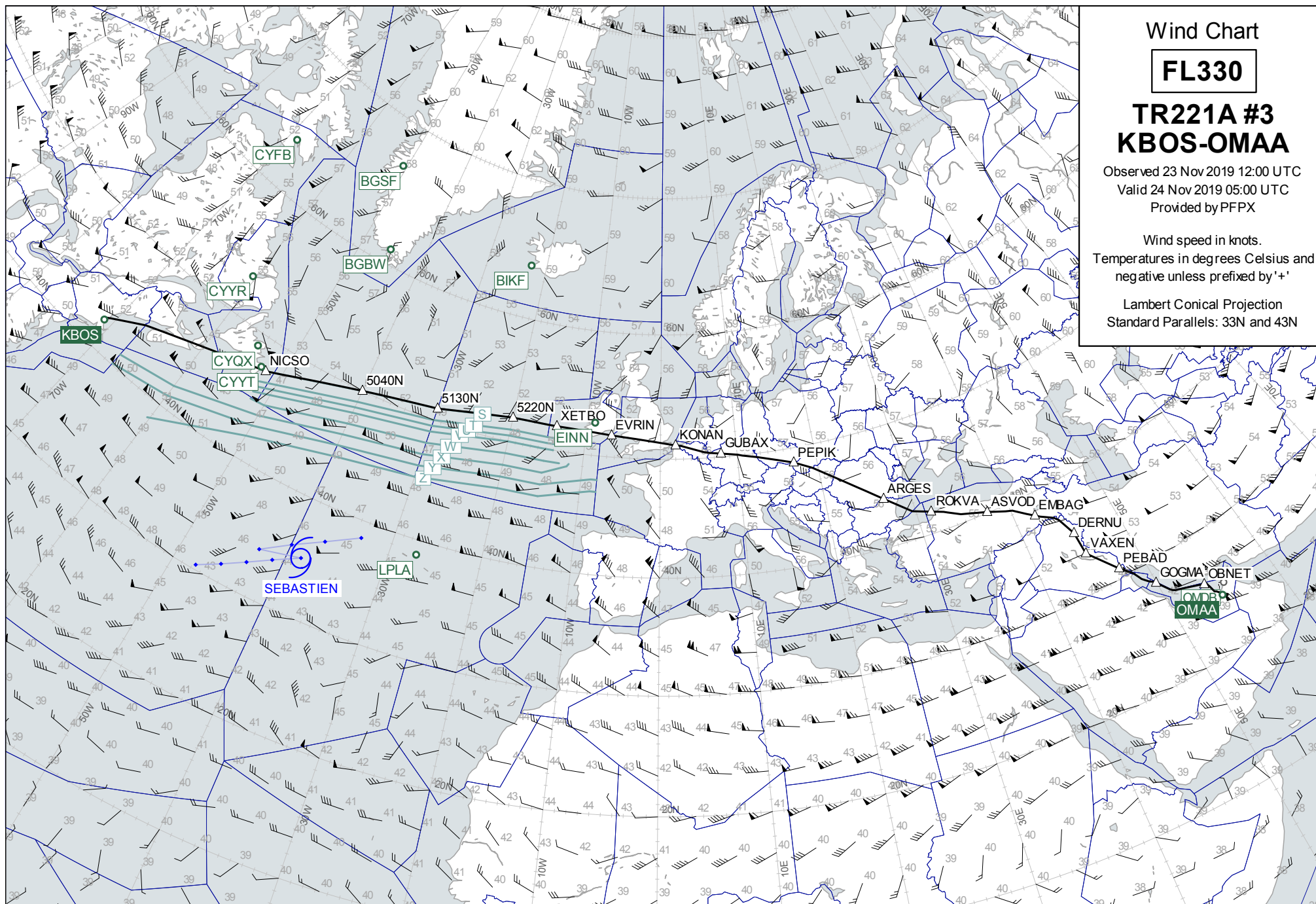
23 Nov 2019

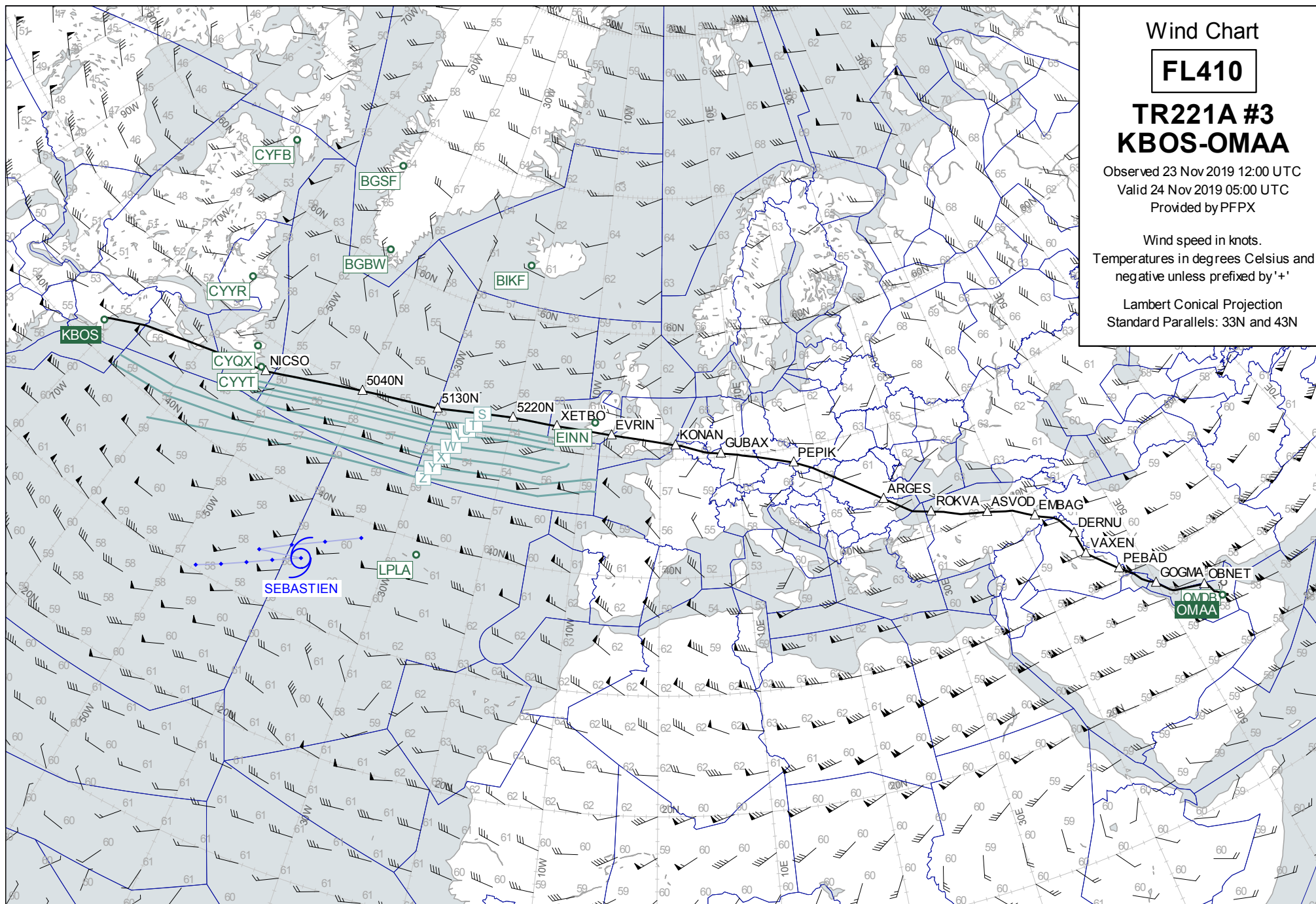
PJTGC B77L

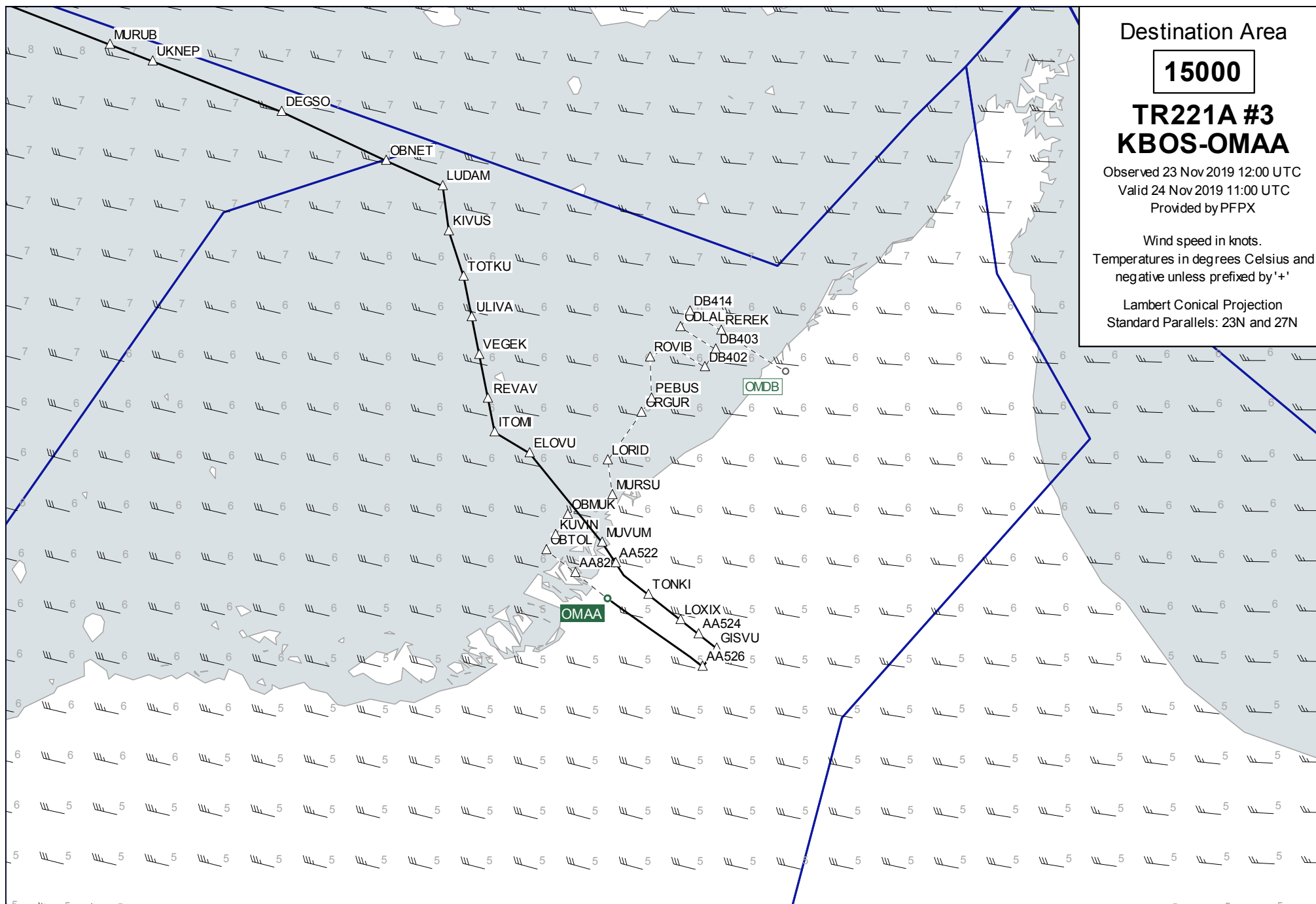
Lambert Conical Projection
Standard Parallels: 33N and 43N











Plotting Chart TR221A #3 KBOS-OMAA

23 Nov 2019
PJTGC B77L

Lambert Conical Projection
Standard Parallels: 50N and 51N

