



Tradewind VA



Flight Briefing Package

TCC221C 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 2041 UTC

Fuel Planning (kg)	EU-OPS	Fuel	Time
TRIP		80.863	11:47
CONT 5%		4.043	00:40
HOLD	OMAA	2.007	00:20
ALTN	OMDB	3.291	00:32
FINAL RESV		3.010	00:30
ADD FUEL		1.478	00:15
MIN T/O		94.692	14:05
EXTRA		1.505	00:15
TAXI		780	00:15
RELEASE	KBOS	96.977	14:35
ARR FUEL	OMAA	14.710	02:20

Load Planning (kg)	PJTGE	Plan	Limit
Empty Weight		156.146	
Payload	264+0 Pax	24.816	
Zero Fuel Weight		180.962	209.106
Fuel		96.977	162.613
Ramp Weight		277.939	348.359
Take-Off Weight KBOS		277.159	321.024
Landing Weight OMAA	Limit	196.296	223.167
Underload		26.871	Lim LDW

Cost Planning		
Flight Time	11:47\$	65.338
Fuel	82.267\$	45.141
Total	\$	110.479
Per Pax	\$	418
Per 5.000 kg Payload	\$	22.260

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC221C PJTGE KBOS-OMAA

ALL WEIGHTS IN KILOGRAMS (KG) STD 23NOV/2245Z

OPF 1 - PREPARED 23NOV/2041Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR221C/TCC221C PJTGE/B777-2LR GE SEL/EGAP 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: 5967 NM
FUEL BIAS: 100.5% TTL AIR DIST: 5611 NM
AVG WIND CMP: TL030 KT

ALT: OMD/DBX 12R ELEV 62 FT 127 NM

CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM	ZFW	TOW	LDW
STANDARD	156146	264	0	24816	26871 LDW	MAX	209106	321024
						PLN	180962	277159
						ACT	.....	.....

** TAKE-OFF DATA KBOS 33L **

COND: 277159 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=156 VR=161 V2=166
ENG OUT: RT TO 'LQ' 382.0 (216 INBD,LT)

	FUEL	CORR	ENDUR	
TRIP	80863	.....	11:47	
CONT 5%	4043	.....	00:40	
ALTN OMD/DB	3291	.....	00:32	
FINAL RESV	3010	.....	00:30	
HOLD	2007	.....	00:20	
ADD FUEL	1478	.....	00:15	
MIN T/O	94692	.....	14:05	.....
EXTRA	1505	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	780	.....	00:15	
RELEASE	96977	.....	14:35	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	14710	.....	02:20	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 28376 KG LIM BY LDW
TRIP CORR FOR 5000 KG TOW INCR: +1267 KG / 5000 KG TOW DECR: -1088 KG
2000 FT LOWER: +2569 KG / EET 11:45 CLB: 250/310/84 DES: 84/320/250

	STD	ETA	ACT	EST	ACT
KBOS	22:45Z/17:45L	22:45Z	OFBL	T/O 23:00Z	T/O
OMAA	10:55Z/14:55L	10:59Z	ONBL	LDG 10:47Z	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)	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 (02:17-04:38)
EINN (04:05-04:38)

ONE ENGINE OUT ETP 1 FOR CYQX/EINN N50 49.4 W032 37.8 EET 03:14
 1E084/320 DESC TO FL246 CRUISE AT 1E0320 100 NM BEFORE 5130N
 PLN FUEL OVER ETP 69111 ETP FUEL REQ 19507 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 68853 ETP FUEL REQ 20501 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 68853 ETP FUEL REQ 19555 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/N0485F350 DCT ALLEX 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 ORMAN/N0479F390 UP975 ERGUN UL124 EVSAS UM688
 SIDAD UP975 SESRA M677 RABAP UM677 OBNET M677 LUDAM G666 ELOVU
 ELOV3C MUVUM DCT

ALTERNATE PLANNING

 ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE
 OMDB/12R 127 6000 027 HD001 00:32 3291 - 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				96.2 / 0.8 5967 N4221.3 W07059.5	/.....	
LBSTA6	TEKKK	321	*CLB 049 M03 269/021			6 5961	94.9 / 2.1 N4224.8 W07105.9	03 00.03/.....	
LBSTA6	CAMWI	353	*CLB 049 P01 265/030			6 5955	94.4 / 2.6 N4230.7 W07109.2	01 00.04/.....	
LBSTA6	LBSTA	068	*CLB 049 P01 275/051			29 5925	93.0 / 4.0 N4248.0 W07036.8	05 00.09/.....	
DCT	*TOC	072	FL330 047 M01 274/088		488 56 556 5869		91.3 / 5.6 N4318.4 W06931.7	06 00.15/.....	
DCT -CZQM	ALLEX	073	FL350 027 P01 283/069		485 128 535 5741		89.4 / 7.6 N4425.0 W06700.0	14 00.29/.....	
	CYQX	085	FL350 029 M01 266/100		128 5612		87.6 / 9.4 N4510.5 W06411.2	15 00.44/.....	

	EBBR	098	FL370	024		101	51.7 / 45.3	12	05.43
			M00	284/020		3036	N5113.5 E00108.9	/.....	
L607 -EBUR	KONAN	099	FL370	024	483	33	51.3 / 45.7	04	05.47
			M02	202/019	487	3004	N5107.9 E00200.0	/.....	
UL607	KOK	094	FL370	019	114.50	482	50.9 / 46.1	03	05.50
	KOKSY		M03	196/023	488	2979	N5105.7 E00239.1	/.....	
UL607	FERDI	105	FL370	022	482	39	50.4 / 46.6	05	05.55
			M03	191/026	480	2940	N5054.8 E00338.2	/.....	
UL607	BUPAL	106	FL370	028	481	38	49.8 / 47.1	05	06.00
			M04	185/026	476	2902	N5043.4 E00436.1	/.....	
UL607	REMB	106	FL370	028	481	12	49.7 / 47.3	02	06.02
			M04	183/026	475	2889	N5039.7 E00454.9	/.....	
UL607	SPI	106	FL370	036	113.10	480	49.3 / 47.7	03	06.05
	SPRIMONT		M05	177/023	471	2861	N5030.9 E00537.4	/.....	
UL607	PELIX	100	FL370	036	480	5	49.2 / 47.8	01	06.06
			M05	176/023	474	2855	N5029.8 E00545.8	/.....	
	EDDN	100	FL370	043		19	48.9 / 48.1	02	06.08
			M05	192/021		2837	N5026.1 E00614.3	/.....	
UL607 -EDVV	MATUG	100	FL370	043	480	5	48.8 / 48.1	01	06.09
			M06	171/021	473	2832	N5025.0 E00622.2	/.....	
UZ660 -EDUU	*BDRY	095	FL370	043	480	8	48.7 / 48.2	01	06.10
			M06	169/021	473	2824	N5024.1 E00634.1	/.....	
	EDDF	095	FL370	043		43	48.1 / 48.8	05	06.15
			M06	196/017		2781	N5018.6 E00741.2	/.....	
UZ660	GUBAX	095	FL370	038	478	9	48.0 / 49.0	01	06.16
			M07	174/018	473	2772	N5017.4 E00754.7	/.....	
UZ660	RASPU	096	FL370	049	477	85	46.8 / 50.2	11	06.27
			M08	177/012	474	2687	N5004.4 E01005.9	/.....	
UZ660	BOREP	104	FL370	049	477	21	46.5 / 50.5	03	06.30
			M08	187/011	473	2665	N4958.0 E01037.7	/.....	
DCT -LKAA	ENITA	099	FL370	051	476	73	45.5 / 51.5	09	06.39
			M08	235/009	480	2592	N4942.1 E01228.4	/.....	
	LHBP	102	FL370	072		121	43.9 / 53.1	15	06.54
			M08	297/016		2471	N4908.1 E01526.5	/.....	
DCT -LZBB	PEPIK	103	FL370	045	478	68	43.0 / 54.0	08	07.02
			M07	304/022	499	2403	N4847.0 E01704.8	/.....	
DCT -LHCC	BALAP	111	FL370	091	479	97	41.8 / 55.2	12	07.14
			M06	310/025	504	2307	N4804.1 E01915.0	/.....	
DCT -LRBB	*BDRY	119	FL370	091	480	119	40.2 / 56.7	14	07.28
			M04	302/021	503	2188	N4655.4 E02138.7	/.....	
	LROP	121	FL370	084		57	39.5 / 57.5	07	07.35
			M05	301/028		2131	N4621.7 E02245.0	/.....	
DCT	ARGES	121	FL370	107	482	221	36.7 / 60.3	26	08.01

-LBSR			M03	286/023	503	1910	N4404.9	E02649.6	/.....
	LTBA	123	FL370	050		140	34.9 /	62.0	17 08.18
			M04	280/028		1770	N4235.0	E02916.9	/.....
DCT	ARTAT	125	FL370	010		483 20	34.7 /	62.3	02 08.20
-LTBB			M03	274/020	499	1750	N4221.8	E02937.5	/.....
UP975	ERMUP	103	FL370	010		482 66	33.8 /	63.1	08 08.28
-LTAA			M03	264/019	501	1684	N4200.0	E03101.4	/.....
UP975	ROKVA	104	FL370	078		482 30	33.5 /	63.5	04 08.32
			M03	261/019	500	1654	N4149.8	E03139.4	/.....
UP975	NAPIP	104	FL370	078		482 4	33.4 /	63.6	00 08.32
			M03	260/019	499	1650	N4148.4	E03144.3	/.....
UP975	UNVUS	104	FL370	089		482 19	33.2 /	63.8	03 08.35
			M03	257/020	499	1631	N4141.7	E03208.5	/.....
UP975	ASMOB	104	FL370	089		482 4	33.1 /	63.9	00 08.35
			M03	257/020	499	1626	N4140.2	E03214.0	/.....
UP975	RELTU	104	FL370	089		482 4	33.1 /	63.9	01 08.36
			M03	256/020	499	1622	N4138.7	E03219.4	/.....
UP975	APTOX	105	FL370	089		482 9	32.9 /	64.0	01 08.37
			M03	255/020	499	1613	N4135.6	E03230.3	/.....
UP975	TEPKI	105	FL370	089		482 24	32.6 /	64.3	02 08.39
			M03	253/021	499	1590	N4127.2	E03259.6	/.....
UP975	PIPUR	113	FL370	109		482 13	32.5 /	64.5	02 08.41
			M03	253/021	497	1577	N4121.1	E03314.3	/.....
UP975	ORMAN	112	*CLB	109		8	32.4 /	64.6	01 08.42
			M03	253/022		1570	N4117.5	E03323.2	/.....
	LTCC	112	FL390	109		65	31.5 /	65.5	08 08.50
			M05	267/035		1504	N4046.8	E03439.4	/.....
UP975	ERGUN	112	FL390	094		479 4	31.4 /	65.5	00 08.50
			M05	262/025	499	1500	N4044.8	E03444.3	/.....
UL124	ASVOD	100	FL390	117		479 136	29.8 /	67.2	16 09.06
			M05	269/029	506	1364	N4004.9	E03734.4	/.....
UL124	KONUK	105	FL390	141		478 94	28.6 /	68.3	12 09.18
			M05	274/031	508	1270	N3930.7	E03928.1	/.....
UL124	EVSAS	102	FL390	141		479 35	28.2 /	68.8	04 09.22
			M05	276/032	510	1235	N3919.5	E04011.3	/.....
	ORER	121	FL390	133		63	27.5 /	69.5	07 09.29
			M06	283/042		1172	N3841.0	E04115.6	/.....
UM688	BAYIR	122	FL390	122		479 9	27.4 /	69.6	01 09.30
			M05	278/036	509	1163	N3835.7	E04124.2	/.....
UM688	ULTED	120	FL390	122		479 25	27.1 /	69.9	03 09.33
			M05	279/037	511	1139	N3821.0	E04149.6	/.....
UM688	EMBAG	121	FL390	158		479 23	26.8 /	70.2	03 09.36
			M05	280/038	512	1116	N3807.6	E04212.5	/.....

UM688	OTKEP	121	FL390	158	479	27	26.5 / 70.5	03	09.39
				M05 280/039	514	1089	N3751.6 E04239.6	/.....	
UM688	RATVO	115	FL390	160	480	71	25.6 / 71.3	08	09.47
-ORBB				M04 280/042	518	1018	N3714.4 E04356.1	/.....	
UM688	OTIDO	134	FL390	160	480	29	25.3 / 71.7	04	09.51
				M04 279/044	513	989	N3651.9 E04419.6	/.....	
UM688	DERNU	152	FL390	143	482	102	24.1 / 72.9	12	10.03
				M03 276/051	505	887	N3517.8 E04506.9	/.....	
UM688	SOBIL	172	FL390	110	483	48	23.5 / 73.5	06	10.09
				M02 275/057	489	839	N3430.0 E04510.1	/.....	
	ORBI	172	FL390	097		63	22.7 / 74.3	07	10.16
				M03 285/074		776	N3327.5 E04514.4	/.....	
UM688	VAXEN	172	FL390	077	484	10	22.6 / 74.4	01	10.17
				M01 275/069	490	767	N3318.0 E04515.0	/.....	
UM688	SISIN	137	FL390	077	484	36	22.2 / 74.8	05	10.22
				M01 275/075	532	731	N3250.1 E04541.2	/.....	
	OKBK	137	FL390	077		29	21.9 / 75.1	03	10.25
				M02 285/083		702	N3227.4 E04602.3	/.....	
UM688	PEBAD	138	FL390	077	485	123	20.5 / 76.5	13	10.38
				P01 276/099	548	580	N3050.4 E04730.0	/.....	
UM688	SIDAD	134	FL390	027	485	78	19.7 / 77.3	09	10.47
-OKAC				P01 277/113	564	502	N2952.5 E04829.7	/.....	
UP975	LOVAR	149	FL390	022	486	32	19.4 / 77.6	03	10.50
				P02 277/122	543	470	N2924.4 E04846.2	/.....	
UP975	SESRA	151	FL390	022	486	18	19.2 / 77.8	02	10.52
				P02 277/128	541	452	N2908.1 E04854.9	/.....	
M677	RETEL	134	FL390	022	486	21	18.9 / 78.0	02	10.54
				P02 277/131	575	432	N2852.6 E04910.8	/.....	
M677	RABAP	135	FL390	014	486	22	18.7 / 78.2	03	10.57
-OBBS				P02 277/134	578	410	N2836.4 E04927.4	/.....	
UM677	PASAK	118	FL390	014	485	22	18.5 / 78.5	02	10.59
				P02 277/136	605	388	N2825.0 E04948.8	/.....	
UM677	GOGMA	145	FL390	014	487	13	18.4 / 78.6	01	11.00
				P03 278/138	562	375	N2814.4 E04956.2	/.....	
UM677	IVIVI	142	FL390	015	486	45	17.9 / 79.0	05	11.05
				P03 278/138	571	331	N2737.6 E05024.6	/.....	
	OMAA	143	FL390	015		24	17.7 / 79.3	02	11.07
				P03 273/118		306	N2717.5 E05040.0	/.....	
UM677	VEDOR	143	FL390	015	487	10	17.6 / 79.4	02	11.09
				P03 278/134	569	296	N2708.9 E05046.5	/.....	
UM677	TOSDA	132	FL390	015	486	13	17.4 / 79.5	01	11.10
				P03 279/133	589	283	N2700.1 E05056.5	/.....	

UM677	TORBO	119	FL390	025	485	15	17.3 / 79.7	01	11.11
			P03	279/132	605	269	N2652.4 E05110.4	/.....	
UM677	SEVNI	106	FL390	015	485	26	17.1 / 79.9	03	11.14
			P03	279/131	614	242	N2644.0 E05138.3	/.....	
UM677	SOGAN	106	FL390	015	485	15	16.9 / 80.1	01	11.15
			P03	280/130	614	227	N2639.3 E05154.1	/.....	
UM677	MURUB	107	FL390	015	485	42	16.5 / 80.4	04	11.19
			P03	280/128	612	186	N2624.9 E05237.9	/.....	
UM677	UKNEP	108	FL390	012	485	10	16.4 / 80.5	01	11.20
			P03	280/127	611	176	N2621.5 E05248.3	/.....	
UM677	DEGSO	108	FL390	058	485	30	16.2 / 80.8	03	11.23
			P03	281/125	609	146	N2610.9 E05319.8	/.....	
UM677	*TOD	112	FL390	058	486	5	16.1 / 80.9	01	11.24
			P03	281/125	607	140	N2608.8 E05325.1	/.....	
UM677 -OMAE	OBNET	112	*DES	058		20	16.1 / 80.9	02	11.26
			P09	281/101		120	N2600.5 E05345.2	/.....	
M677	LUDAM	111	*DES	058		14	16.0 / 80.9	02	11.28
			P07	279/074		107	N2555.1 E05359.0	/.....	
G666	KIVUS	169	*DES	016		10	16.0 / 81.0	01	11.29
			P07	279/058		97	N2545.4 E05400.5	/.....	
G666	TOTKU	159	*DES	016		10	16.0 / 81.0	01	11.30
			P07	279/045		87	N2535.6 E05404.2	/.....	
G666	ULIVA	166	*DES	016		9	16.0 / 81.0	02	11.32
			P09	279/036		78	N2526.8 E05406.2	/.....	
G666	VEGEK	166	*DES	016		8	15.9 / 81.1	01	11.33
			P09	280/030		69	N2518.6 E05408.1	/.....	
G666	REVAV	166	*DES	016		10	15.9 / 81.1	01	11.34
			P08	282/025		60	N2509.2 E05410.2	/.....	
G666	ITOMI	166	*DES	016		7	15.9 / 81.1	01	11.35
			P08	285/023		52	N2501.9 E05411.9	/.....	
G666	ELOVU	118	*DES	021		9	15.8 / 81.2	02	11.37
			P08	287/020		43	N2457.4 E05420.3	/.....	
ELOV3C	MUVUM	138	*DES	021		25	15.7 / 81.4	05	11.42
			P06	312/005		18	N2438.1 E05437.8	/.....	
DCT	OMAA/31L ABU DHABI INTL	169	83	021		18	15.3 / 81.6	05	11.47
							N2425.3 E05440.0	/.....	

WIND INFORMATION - OBS 23/NOV 12:00

(CLIMB)

FL340	269/092	-53	FL390	285/060	-54	FL390	195/038	-49	FL390	277/050	-58
FL270	277/076	-38	FL370	284/064	-54	FL370	183/045	-49	FL370	279/055	-57
FL200	277/047	-23	FL350	283/069	-53	FL350	173/054	-50	FL350	280/060	-55
13000	269/034	-10	FL330	284/069	-51	FL330	167/064	-49	FL330	282/063	-52
6000	272/024	-0	FL310	286/064	-47	FL310	164/076	-47	FL310	284/063	-47

5130N

FL390	279/027	-52	FL390	231/033	-54	FL390	244/042	-59	FL390	302/035	-62
FL370	281/026	-52	FL370	210/034	-54	FL370	239/041	-57	FL370	306/040	-59
FL350	285/024	-52	FL350	189/040	-54	FL350	232/039	-55	FL350	310/047	-55
FL330	286/021	-51	FL330	181/044	-52	FL330	227/037	-51	FL330	312/050	-51
FL310	285/015	-48	FL310	183/041	-48	FL310	224/036	-47	FL310	313/049	-46

5220N

LIMRI

EVRIIN

ABDUK

FL410	297/027	-60	FL410	252/013	-60	FL410	215/015	-62	FL410	193/010	-65
FL390	300/027	-60	FL390	230/014	-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	175/024	-56

KONAN

BUPAL

GUBAX

BOREP

FL410	208/008	-66	FL410	294/016	-65	FL410	277/021	-61	FL410	272/024	-61
FL390	194/010	-67	FL390	303/021	-66	FL390	281/021	-61	FL390	275/022	-60
FL370	187/012	-64	FL370	305/023	-64	FL370	287/023	-59	FL370	274/021	-59
FL350	183/013	-61	FL350	305/024	-60	FL350	293/026	-58	FL350	273/020	-58
FL330	182/014	-56	FL330	307/024	-56	FL330	296/028	-56	FL330	271/018	-56

PEPIK

ARGES

ARTAT

NAPIP

FL410	266/024	-61	FL430	266/029	-61	FL430	272/031	-61	FL430	277/034	-61
FL390	265/021	-60	FL410	264/027	-61	FL410	271/030	-61	FL410	277/033	-61
FL370	261/020	-59	FL390	262/025	-61	FL390	269/029	-62	FL390	276/033	-62
FL350	255/019	-58	FL370	258/024	-60	FL370	267/027	-61	FL370	277/031	-60
FL330	250/018	-55	FL350	251/022	-58	FL350	265/024	-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	FL430	278/117	-62
FL410	276/099	-58	FL410	277/119	-58	FL410	279/131	-58	FL410	279/122	-58
FL390	276/099	-56	FL390	277/123	-55	FL390	279/139	-54	FL390	281/128	-53
FL370	276/093	-54	FL370	277/112	-52	FL370	279/129	-50	FL370	281/124	-49
FL350	276/084	-52	FL350	277/098	-50	FL350	279/115	-47	FL350	281/117	-45

LOVAR

IVIVI

MURUB

(DESCENT)

FL380	290/121	-51
FL310	283/078	-40
FL230	277/041	-23
FL150	271/022	-6
7000	313/002	+6

END FLIGHTPLAN 03565 TCC221C PJTGE KBOS-OMAA 23NOV2019

[ATC FLIGHTPLAN]

(FPL-TCC221C-IS
-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2
-KBOS2245
-N0488F330 LBSTA6 LBSTA/N0485F350 DCT ALLEX 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 ORMAN/N0479F390 UP975
ERGUN UL124 EVSAS UM688 SIDAD UP975 SESRA M677 RABAP UM677 OBNET
M677 LUDAM G666 ELOVU ELOV3C MUVUM DCT
-OMAA1147 OMDB
-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/191123 REG/PJTGE
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/EGAP CODE/484DC7 RVR/75 OPR/TRADEWIND CARIBBEAN
ORGN/TNCCTCAP PER/C
RALT/EINN CYQX
RMK/TCAS
-E/1420)

[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:

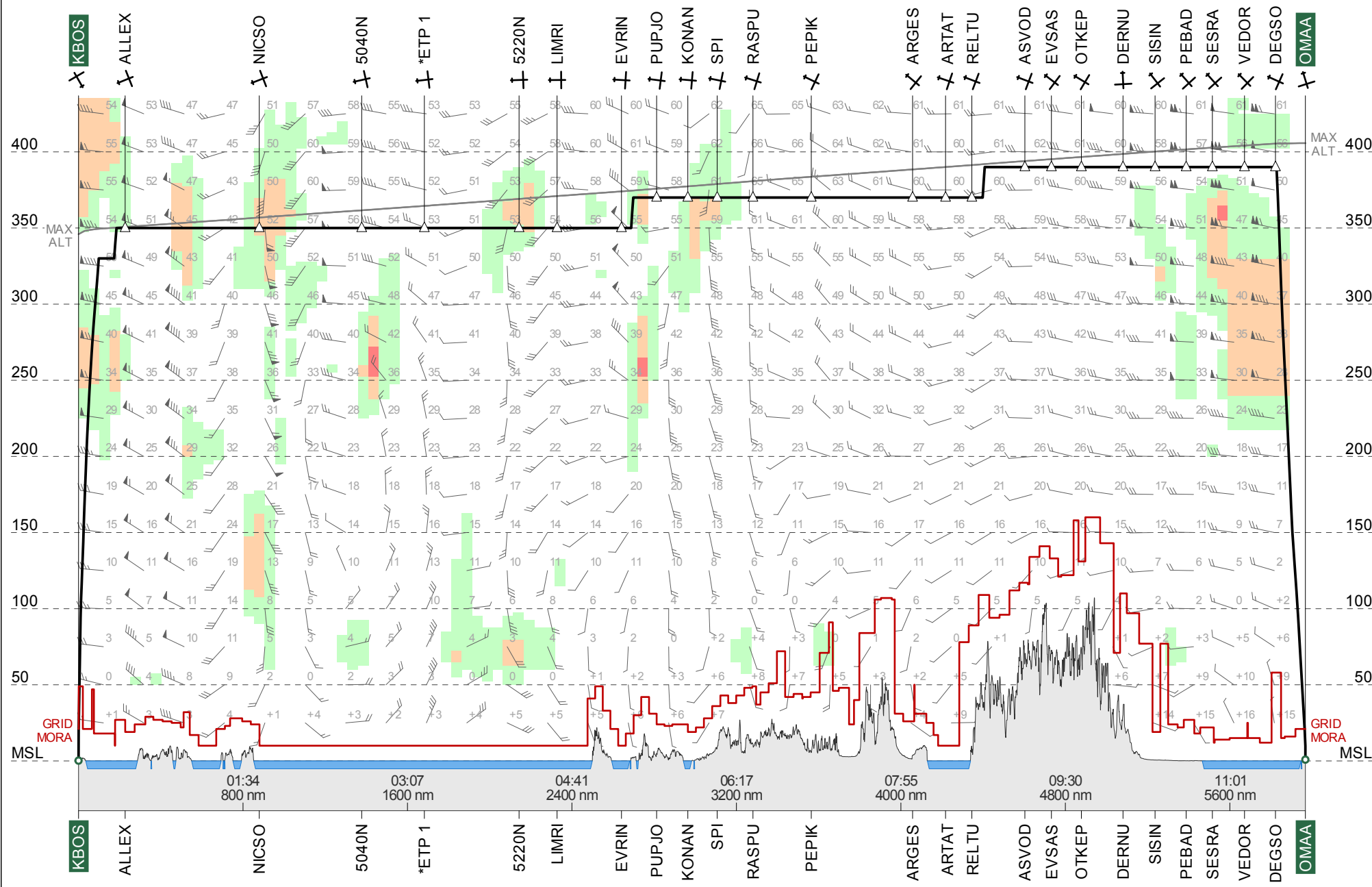
1. TMI IS 328 AND OPERATORS ARE REMINDED TO INCLUDE THE NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
2. OPERATORS ARE REMINDED THAT ADS-C AND CPDLC ARE MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
3. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS
TRACK T
TRACK U
TRACK V
END OF PBCS OTS.
4. CLEARANCE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

TR221C #1

KBOS → OMAA

ETD 23 Nov 22:45z
PJTGE B77L



Route Chart

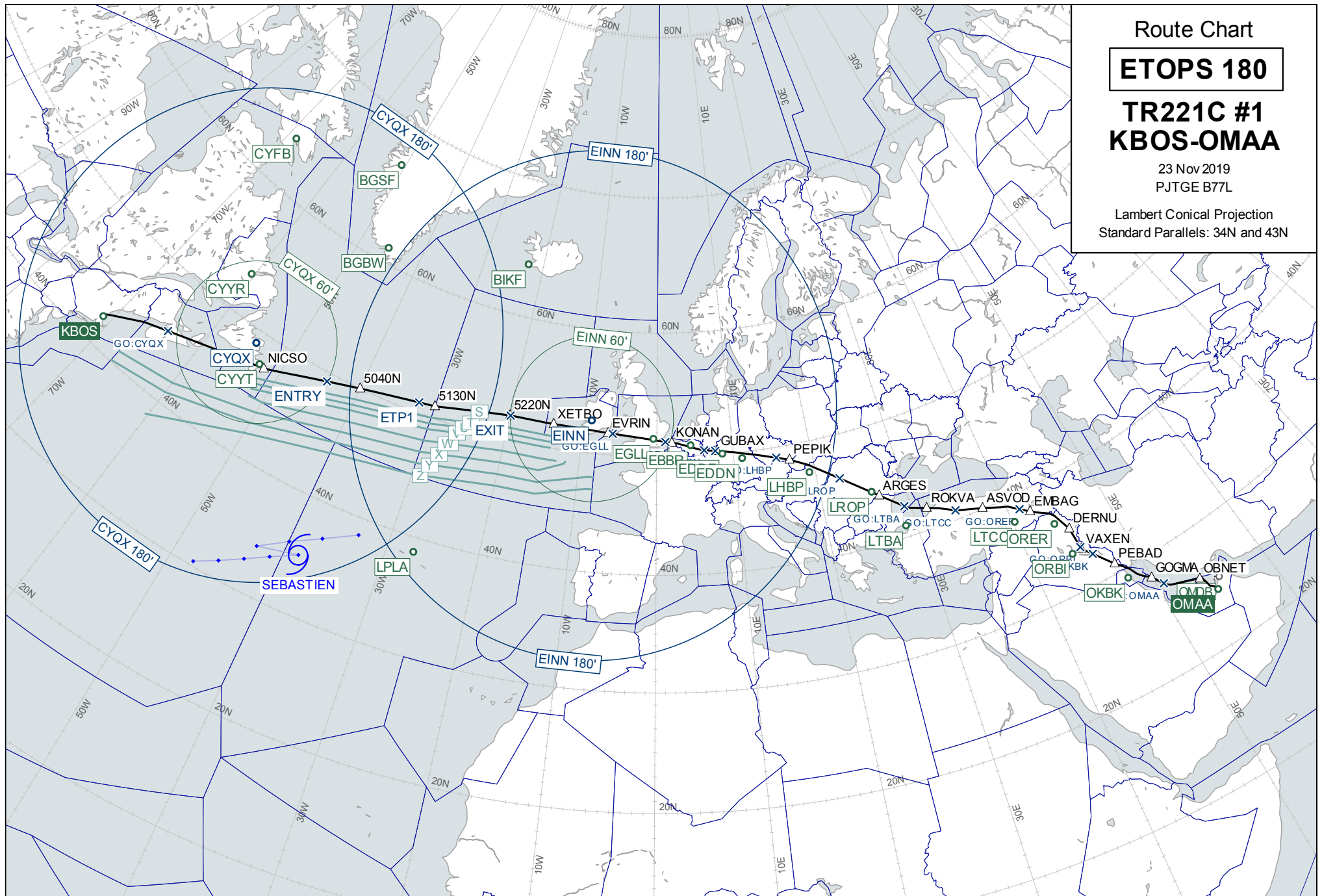
ETOPS 180

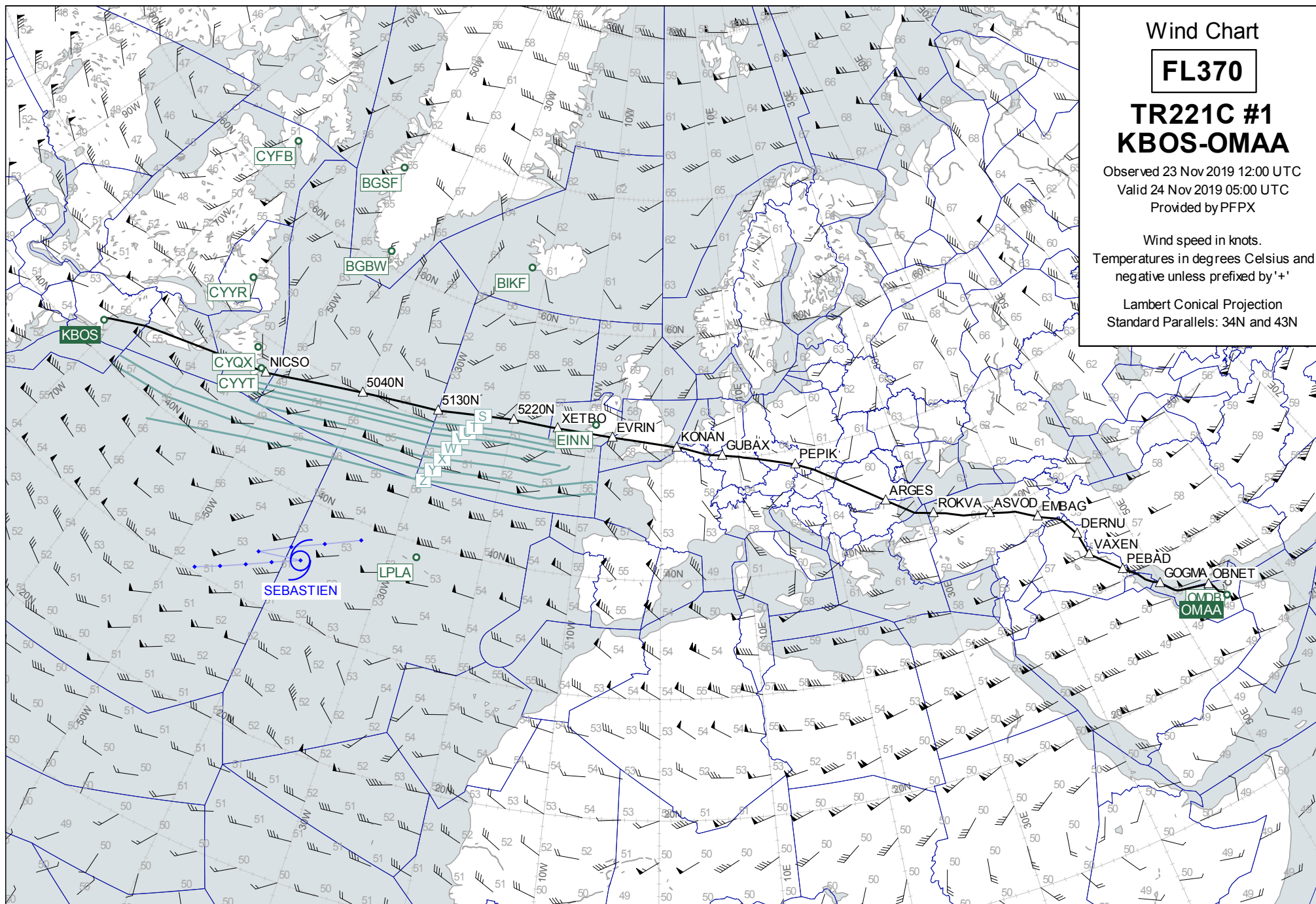
TR221C #1 KBOS-OMAA

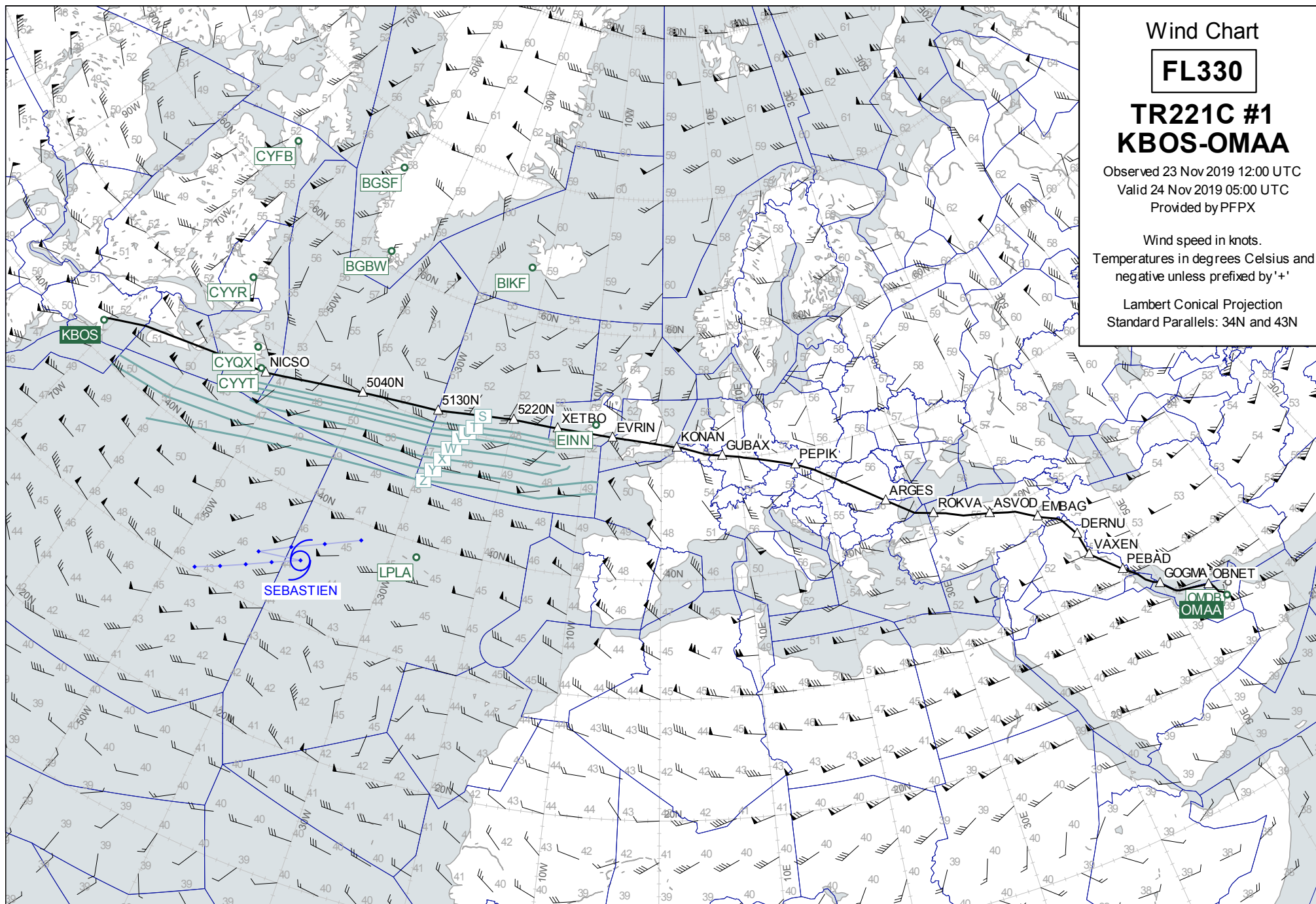
23 Nov 2019

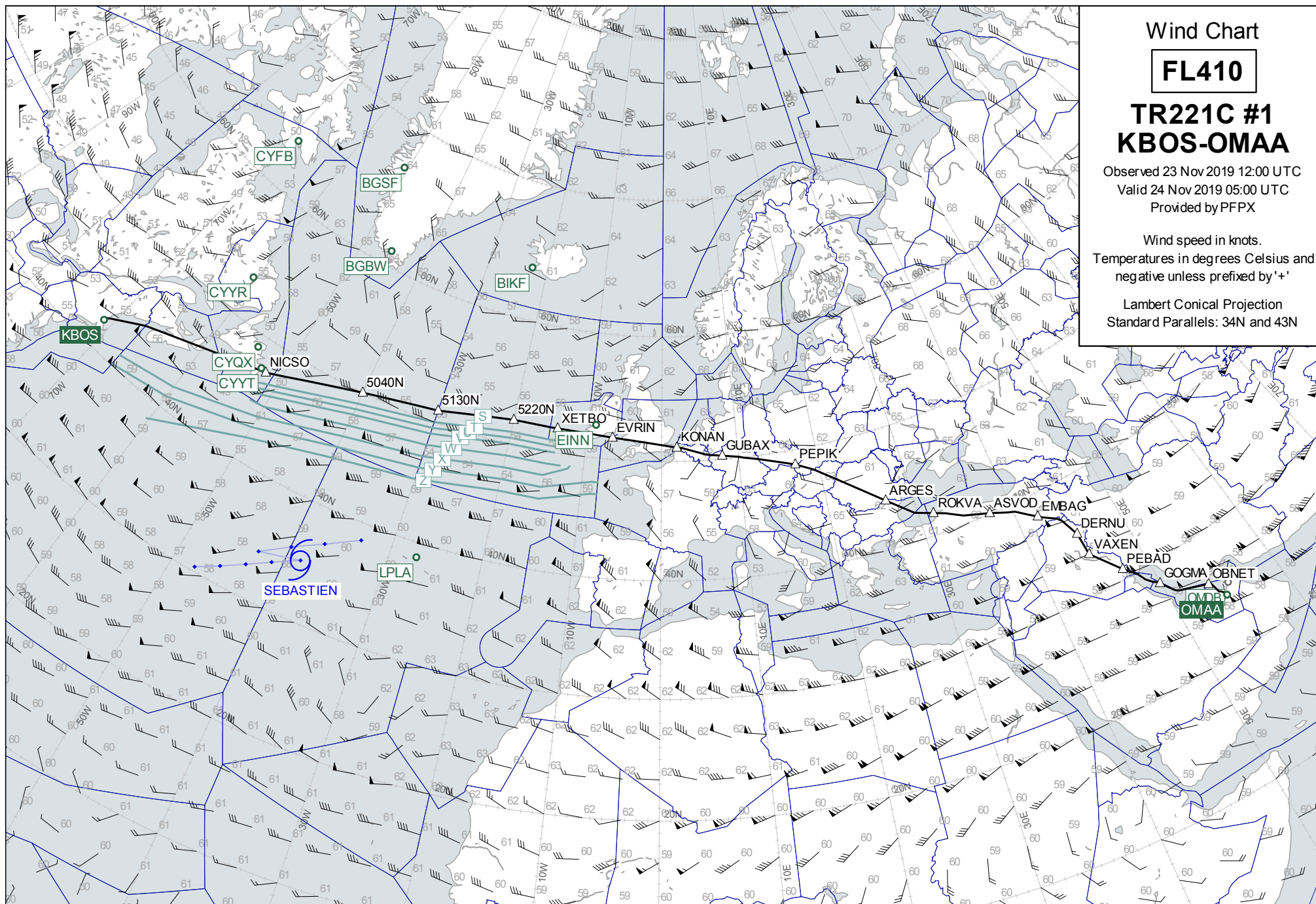
PJTGE B77L

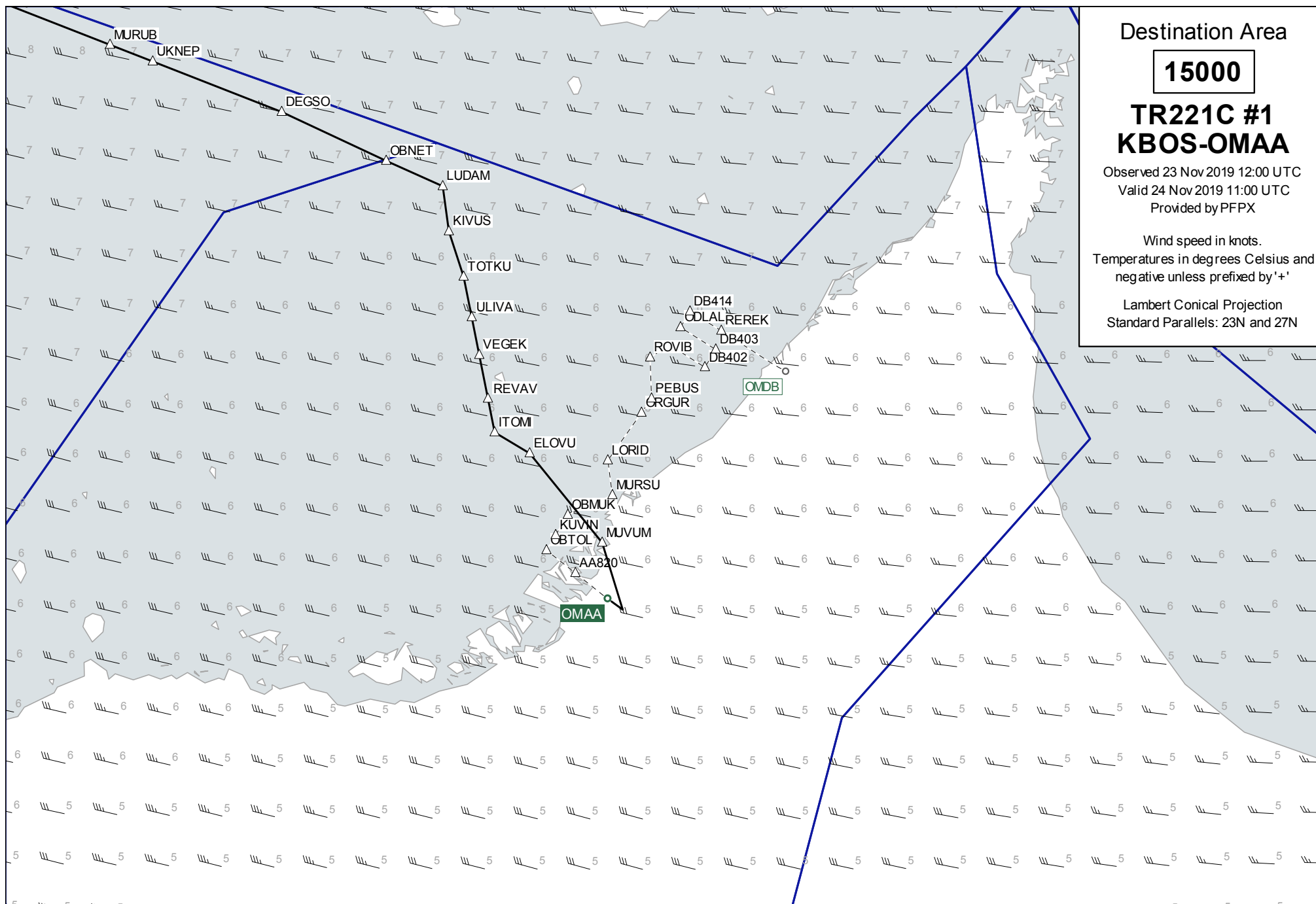
Lambert Conical Projection
Standard Parallels: 34N and 43N











Plotting Chart

TR221C #1

KBOS-OMAA

23 Nov 2019

PJTGE B77L

Lambert Conical Projection

Standard Parallels: 50N and 51N

A map of the North Atlantic region showing flight paths and stations. The map includes a grid of latitude and longitude lines. A blue line represents a flight path starting from the bottom left, passing through the station 'CYQX' (marked with a blue dot), and continuing towards the top right. A green line represents another flight path starting from the top left, passing through the station 'CYQX 60'' (marked with a green dot), and continuing towards the top right. Various stations are marked with triangles and labeled: ENNSO, HOIST, IROK, JANJO, KODIK, LOMSI, MELDI, NEEKO, PELTU, RIKAL, SAXAN, TUDEP, UMESI, ALLRY, BUDAR, ELSIR, IBERG, and JOOPY. A box labeled 'R' is located in the top left corner, and a box labeled 'CYQX' is located near the bottom left station.

