



Flight Briefing Package

TCC223B KLAS-OTHH

24-Nov-2024 #1

RELEASE #1

REID INTL
(UNITED STATES)

-

HAMAD INTL
(QATAR)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

24 NOV 0911 UTC

TCC223B KLAS-OTHH (24-Nov-2024) #1

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC223B PJTGC KLAS-OTHH

 ALL WEIGHTS IN KILOGRAMS (KG) STD 24NOV/1040Z

OPF 1 - PREPARED 24NOV/0911Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR223B/TCC223B PJTGC/B777-2LR GE SEL/ASHL ROUTE: KLASOTHH01

DEP: KLAS/LAS 26R ELEV 2181 FT COST INDEX: 250 TTL G/C DIST: 7057 NM
 ARR: OTHH/DOH 34R ELEV 13 FT INIT ALT: FL310 TTL F/P DIST: 7681 NM
 FUEL BIAS: 102.5% TTL AIR DIST: 6954 NM
 AVG WIND CMP: TL050 KT

ALT: OBBI/BAH 30R ELEV 8 FT 230 NM

CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM		ZFW	TOW	LDW
STANDARD	156746	265	0	28620	18722 LDW	MAX	209106	334274	223167
						PLN	185366	314294	204445
						ACT	.....	.....	.....

 ** TAKE-OFF DATA KLAS 26R **

COND: 314294 KG // RWY DRY // +15•C Q1009 200/13 // LMT: CLIMB
 CONFIG: FLAPS 15 // D-TO +35C // A/I OFF/AUTO // A/C ON
 SPEEDS: V1=162 VR=165 V2=169
 ENG OUT: NONE

	FUEL	CORR	ENDUR	
TRIP	109849	.....	14:36	
CONT 5%	5492	.....	00:51	
ALTN OBBI	5071	.....	00:40	
FINAL RESV	3204	.....	00:30	
HOLD	2136	.....	00:20	
ADD FUEL	1574	.....	00:15	
MIN T/O	127326	.....	17:13	.....
EXTRA	1602	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	1005	.....	00:15	
RELEASE	129933	.....	17:43	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	18409	.....	02:41	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 20324 KG LIM BY LDW
 TRIP CORR FOR 5000 KG TOW INCR: +1441 KG / 5000 KG TOW DECR: -1602 KG
 2000 FT LOWER: +1772 KG / EET 14:31 CLB: 250/310/84 DES: 84/320/250

KLAS	STD 10:40Z/02:40L	ETD 10:40Z	ACT OFBL	EST T/O 10:55Z	ACT T/O
OTHH	STA 01:15Z/04:15L	ETA 01:41Z	ACT ONBL	EST LDG 01:31Z	ACT LDG
	SKD 14:35	PLN 15:01	TTL BLCK	EST FLT 14:36	TTL FLT

***** 120 MIN ETOPS CRITICAL FUEL SUMMARY *****

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (CYYQ)	178 NM BEFORE 6680N	N63 47.1 W084 39.4	EET 03:56
ETOPS EXIT (BGSF)	103 NM BEFORE ADSAM	N69 20.0 W067 49.2	EET 04:52

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ETOPS ENTRY (BGSF)	312 NM BEFORE 7020N	N70 58.0 W035 17.4	EET 06:04
ETOPS EXIT (BIKF)	135 NM BEFORE 7020N	N70 34.6 W026 26.2	EET 06:24
ETOPS ENTRY (BIKF)	265 NM BEFORE 6500E	N67 41.7 W008 44.7	EET 07:15
ETOPS EXIT (ENAL)	187 NM BEFORE 6500E	N66 57.2 W005 58.5	EET 07:24

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

CYYQ (16:00-16:58)
 BGSF (16:39-18:20)
 BIKF (18:06-19:28)
 ENAL (19:16-19:28)

ONE ENGINE OUT ETP 1 FOR CYYQ/BGSF N65 35.0 W080 57.8 EET 04:11
 1E084/320 DESC TO FL210 CRUISE AT 1E0320 35 NM BEFORE 6680N
 PLN FUEL OVER ETP 90441 ETP FUEL REQ 16676 DIV TIME 01:33
 ETP TO CYYQ (N58 44.4 W094 04.0) DIST 550 NM WC HD057 TT 228
 ETP TO BGSF (N67 01.0 W050 41.4) DIST 729 NM WC TL058 TT 070
 *** FUEL DUMP REQUIRED ***

ONE ENGINE OUT DECOMP ETP 1 FOR CYYQ/BGSF N66 03.6 W079 50.4 EET 04:15
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 286 NM BEFORE 6970N
 PLN FUEL OVER ETP 89871 ETP FUEL REQ 16917 DIV TIME 01:48
 ETP TO CYYQ (N58 44.4 W094 04.0) DIST 589 NM WC HD021 TT 228
 ETP TO BGSF (N67 01.0 W050 41.4) DIST 694 NM WC TL033 TT 072
 *** FUEL DUMP REQUIRED ***

ALL ENGINE DECOMP ETP 1 FOR CYYQ/BGSF N66 03.6 W079 50.4 EET 04:15
 84/320/250 DESC TO FL100 CRUISE AT AE320 286 NM BEFORE 6970N
 PLN FUEL OVER ETP 89871 ETP FUEL REQ 16117 DIV TIME 01:48
 ETP TO CYYQ (N58 44.4 W094 04.0) DIST 589 NM WC HD021 TT 228
 ETP TO BGSF (N67 01.0 W050 41.4) DIST 694 NM WC TL033 TT 072
 *** FUEL DUMP REQUIRED ***

ONE ENGINE OUT ETP 2 FOR BGSF/BIKF N70 57.6 W034 55.1 EET 06:05
 1E084/320 DESC TO FL235 CRUISE AT 1E0320 304 NM BEFORE 7020N
 PLN FUEL OVER ETP 75575 ETP FUEL REQ 12559 DIV TIME 01:07
 ETP TO BGSF (N67 01.0 W050 41.4) DIST 412 NM WC HD052 TT 243
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 504 NM WC TL032 TT 140
 *** FUEL DUMP REQUIRED ***

ONE ENGINE OUT DECOMP ETP 2 FOR BGSF/BIKF N70 56.5 W034 10.8 EET 06:06
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 290 NM BEFORE 7020N
 PLN FUEL OVER ETP 75365 ETP FUEL REQ 12308 DIV TIME 01:18
 ETP TO BGSF (N67 01.0 W050 41.4) DIST 425 NM WC HD029 TT 244
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 494 NM WC TL020 TT 142
 *** FUEL DUMP REQUIRED ***

ALL ENGINE DECOMP ETP 2 FOR BGSF/BIKF N70 56.5 W034 10.8 EET 06:06
 84/320/250 DESC TO FL100 CRUISE AT AE320 290 NM BEFORE 7020N
 PLN FUEL OVER ETP 75365 ETP FUEL REQ 11745 DIV TIME 01:18
 ETP TO BGSF (N67 01.0 W050 41.4) DIST 425 NM WC HD029 TT 244
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 494 NM WC TL020 TT 142
 *** FUEL DUMP REQUIRED ***

ONE ENGINE OUT ETP 3 FOR BIKF/ENAL N67 15.5 W007 04.3 EET 07:20
 1E084/320 DESC TO FL244 CRUISE AT 1E0320 219 NM BEFORE 6500E
 PLN FUEL OVER ETP 66178 ETP FUEL REQ 11558 DIV TIME 01:01

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ETP TO BIKF (N63 59.1 W022 36.3) DIST 431 NM WC 0 TT 250
 ETP TO ENAL (N62 33.8 E006 07.2) DIST 437 NM WC TL006 TT 124
 *** FUEL DUMP REQUIRED ***

ONE ENGINE OUT DECOMP ETP 3 FOR BIKF/ENAL N67 12.9 W006 54.8 EET 07:21
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 214 NM BEFORE 6500E
 PLN FUEL OVER ETP 66110 ETP FUEL REQ 11266 DIV TIME 01:12
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 434 NM WC TL004 TT 251
 ETP TO ENAL (N62 33.8 E006 07.2) DIST 433 NM WC TL001 TT 124
 *** FUEL DUMP REQUIRED ***

ALL ENGINE DECOMP ETP 3 FOR BIKF/ENAL N67 12.9 W006 54.8 EET 07:21
 84/320/250 DESC TO FL100 CRUISE AT AE320 214 NM BEFORE 6500E
 PLN FUEL OVER ETP 66110 ETP FUEL REQ 10757 DIV TIME 01:12
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 434 NM WC TL004 TT 251
 ETP TO ENAL (N62 33.8 E006 07.2) DIST 433 NM WC TL001 TT 124
 *** FUEL DUMP REQUIRED ***

ATC ROUTE: N0494F310 GIDGT2 VERKN Q88 PROMT DCT EKR DCT DDY DCT DIK/N0485F330
 J562 YBR DCT POPLR DCT YGX DCT 6030N09000W 66N080W 69N070W DCT ADSAM
 DCT 70N060W 71N040W/M084F350 70N020W 68N010W 65N000E DCT MORIG DCT
 ROGED DCT PENOR/N0478F370 DCT LENOV DCT KARIL DCT TIMUR L606 ADORU
 UG80 EKI UW81 YAYLA UL854 KULAR UT39 TOMBI DCT SAFTA L324 GENIV L550
 KARIK B411 ULINA UB411 DEESA Y415 TAMRO N318 GESOR L681 ORLEK ORLE1L

ALTERNATE PLANNING

ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE
 OBBI/30R 230 FL240 025 HD010 00:40 5071 - LUBE2E LUBET L934 OBMON L768
 ULADA T136 RABKA N318 LADNA
 LADNA1

MOST CRITICAL MORA 15100 FT AT EKR

AWY -FIR	WAYPOINT NAME	MT	ALT ISA	MSA	FREQ WND/SPD	TAS GS	LEG REM	FUEL POSITION	REM / USED	LEG ETO / ATO	ACC
	KLAS/26R REID INTL		2181	141				128.9 / 1.0		7681 N3604.6 W11507.6/.....
GIDGT2	LEELN	259	*CLB	141	P02 244/015		8	127.4 / 2.5		7674 N3604.6 W11516.9	03 00.03/.....
GIDGT2	GLIAN	336	*CLB	141	P02 246/025		5	127.0 / 2.9		7669 N3609.2 W11518.2	01 00.04/.....
GIDGT2	BACCK	050	*CLB	141	P03 247/030		3	126.9 / 3.0		7667 N3610.4 W11515.4	01 00.05/.....
GIDGT2	ALOLY	057	*CLB	141	P03 248/038		4	126.7 / 3.2		7663 N3611.8 W11511.2	00 00.05/.....
GIDGT2	TTEEA	079	*CLB	141	P06 252/079		24	125.6 / 4.3		7639 N3611.8 W11441.1	04 00.09/.....

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GIDGT2	GIDGT	079	*CLB 103		22	124.9 / 5.0	02	00.11	
			P05 255/098		7617	N3611.7 W11414.4/.....		
GIDGT2	GEEEO	053	*CLB 106		34	124.0 / 5.9	04	00.15	
			P03 258/110		7584	N3626.2 W11337.0/.....		
GIDGT2	BETHL	054	FL310 117	493	63	122.9 / 7.0	06	00.21	
			P02 256/112	604	7521	N3653.1 W11226.4/.....		
GIDGT2	VERKN	020	FL310 136	494	35	122.4 / 7.5	04	00.25	
			P01 253/110	568	7486	N3723.0 W11204.4/.....		
Q88	*BDRY	043	FL310 136	494	7	122.3 / 7.6	00	00.25	
-KZLC			P01 253/109	584	7479	N3727.1 W11157.5/.....		
Q88	PROMT	043	FL310 135	493	5	122.2 / 7.7	01	00.26	
			P01 253/109	596	7474	N3730.1 W11152.2/.....		
	KDEN	039	FL310 135		37	121.7 / 8.3	04	00.30	
			P01 257/103		7437	N3754.6 W11116.5/.....		
DCT	*BDRY	039	FL310 151	493	80	120.5 / 9.5	08	00.38	
-KZDV			P01 250/104	591	7357	N3846.2 W10958.9/.....		
DCT	EKR	040	FL310 151	115.20	493	123	118.6 / 11.3	12	00.50
	MEEKER		P01 250/092	581	7233	N4004.1 W10755.5/.....		
DCT	DDY	013	FL310 147	116.20	492	196	115.5 / 14.4	22	01.12
	MUDDY MOUNTAIN		CASPE M01	238/094	564	7037	N4305.5 W10616.6/.....	
	KBIS	024	FL310 112		53	114.7 / 15.2	05	01.17	
			M05 258/055		6984	N4350.6 W10537.3/.....		
DCT	*BDRY	024	FL310 095	491	92	113.3 / 16.6	10	01.27	
-KZLC			M01 237/094	575	6891	N4507.9 W10427.0/.....		
DCT	*BDRY	026	FL310 068	491	96	111.9 / 18.1	10	01.37	
-KZMP			M02 236/088	572	6795	N4628.0 W10310.0/.....		
DCT	DIK	027	*CLB 059	112.90	29	111.4 / 18.5	03	01.40	
	DICKINSON		M02 237/085		6766	N4651.6 W10246.4/.....		
J562	*TOC	024	FL330 048	486	13	111.1 / 18.8	01	01.41	
			M01 234/084	563	6753	N4703.0 W10236.5/.....		
	CYWG	024	FL330 048		70	110.0 / 19.9	08	01.49	
			M03 245/046		6683	N4803.1 W10143.0/.....		
J562	CFMSZ	025	FL330 043	485	67	109.0 / 20.9	07	01.56	
-CZWG			M03 227/062	546	6615	N4900.0 W10050.0/.....		
J562	YBR	027	FL330 040	113.80	484	65	108.0 / 21.9	07	02.03
	BRANDON		M04 219/047	534	6551	N4954.6 W09956.7/.....		
DCT	POPLR	022	FL330 039	480	189	104.9 / 25.0	22	02.25	
			M08 218/035	517	6361	N5242.6 W09738.4/.....		

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CYYQ 021 FL330 024 91 103.5 / 26.5 11 02.36
M07 178/033 6271 N5405.4 W09635.7/.....

DCT **YGX** 023 FL330 024 **212.0** 480 151 101.0 / 28.9 17 02.53
GILLAM M09 246/029 503 6120 N5621.2 W09442.0/.....

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

DCT **N6090** 029 FL330 023 479 290 96.3 / 33.7 35 03.28
6030N09000W M10 265/062 512 5830 N6030.0 W09000.0/.....

DCT ***BDRY** 042 FL330 010 479 76 95.1 / 34.9 09 03.37
-CZEG M09 254/066 526 5754 N6132.0 W08828.6/.....

----- ETOPS ENTRY (CYYQ) 0178 NM BEFORE 6680N EET 03:56 -----

DCT **6680N** 055 FL330 036 484 350 89.9 / 40.0 38 04.15
66N080W M05 223/077 561 5404 N6600.0 W08000.0/.....

***ETP 1** 069 FL330 010 484 5 89.9 / 40.1 00 04.15
CYYQ/BGSF M05 223/078 561 5398 N6603.6 W07950.4/.....

DCT **6970N** 069 FL330 089 481 286 85.8 / 44.1 31 04.46
69N070W M07 234/077 557 5112 N6900.0 W07000.0/.....

----- ETOPS EXIT (BGSF) 0103 NM BEFORE ADSAM EET 04:52 -----

DCT ***BDRY** 098 FL330 041 479 148 83.7 / 46.2 16 05.02
-BGGL M10 242/089 565 4964 N6953.7 W06326.9/.....

DCT **ADSAM** 103 FL330 010 479 5 83.7 / 46.3 01 05.03
-CZEG M10 242/090 568 4959 N6955.3 W06313.2/.....

DCT **7060N** 116 FL330 010 479 66 82.7 / 47.2 07 05.10
-BGGL 70N060W M11 247/089 563 4892 N7000.0 W06000.0/.....

DCT **7140N** 103 *CLB 119 404 77.1 / 52.8 43 05.53
71N040W M12 292/062 4489 N7100.0 W04000.0/.....

----- ETOPS ENTRY (BGSF) 0312 NM BEFORE 7020N EET 06:04 -----

***ETP 2** 115 FL350 116 475 100 75.6 / 54.4 12 06.05
BGSF/BIKF M09 303/051 521 4389 N7057.6 W03455.1/.....

----- ETOPS EXIT (BIKF) 0135 NM BEFORE 7020N EET 06:24 -----

DCT **7020N** 119 FL350 090 478 304 71.1 / 58.8 35 06.40
-BIRD 70N020W M07 322/023 498 4085 N7000.0 W02000.0/.....

DCT **6810N** 127 FL350 010 481 246 67.4 / 62.5 30 07.10
68N010W M04 250/011 489 3838 N6800.0 W01000.0/.....

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----- ETOPS ENTRY (BIKF) 0265 NM BEFORE 6500E EET 07:15 -----

*ETP 3	129	FL350	010	481	80	66.2 / 63.8	10	07.20
BIKF/ENAL			M05	236/028	490 3758	N6715.5 W00704.3/.....	

----- ETOPS EXIT (ENAL) 0187 NM BEFORE 6500E EET 07:24 -----

DCT	6500E	130	FL350	010	485	219	62.8 / 67.1	28	07.48
-ENOB	65N000E			M02	200/037	472 3539	N6500.0 E00000.0/.....	
DCT	MORIG	129	FL350	010	487	151	60.5 / 69.4	19	08.07
-ENOR				M00	221/083	480 3388	N6321.6 E00421.4/.....	
	ESSA	121	FL350	105		247	57.0 / 72.9	29	08.36
				P00	227/093	3142	N6057.3 E01130.4/.....	
DCT	ROGED	124	FL350	047	482	42	56.4 / 73.5	05	08.41
-ESAA				M04	250/079	519 3099	N6030.8 E01236.4/.....	
DCT	PENOR	147	*CLB	039		327	51.8 / 78.1	39	09.20
-EPWW				M04	277/053	2773	N5538.3 E01709.7/.....	
	EPWA	152	*CLB	010		9	51.6 / 78.3	01	09.21
				M04	238/054	2764	N5529.7 E01715.8/.....	
DCT	LENOV	152	FL370	111	478	395	46.4 / 83.6	46	10.07
-LZBB				M05	327/052	529 2369	N4920.2 E02100.6/.....	
DCT	*BDRY	142	FL370	053	478	69	45.5 / 84.4	08	10.15
-LHCC				M05	336/052	530 2300	N4822.0 E02155.4/.....	
	LROP	142	FL370	072		12	45.3 / 84.6	01	10.16
				M04	346/031	2288	N4811.5 E02205.0/.....	
DCT	KARIL	142	FL370	072	478	28	45.0 / 85.0	03	10.19
-LRBB				M05	341/054	530 2260	N4747.6 E02226.5/.....	
DCT	TIMUR	156	FL370	106	477	258	41.8 / 88.1	29	10.48
-LBSR				M05	353/075	551 2002	N4341.3 E02414.4/.....	
L606	XANEX	130	FL370	047	478	47	41.2 / 88.7	05	10.53
				M04	354/076	536 1955	N4307.6 E02458.8/.....	
L606	GASRU	130	FL370	100	480	72	40.3 / 89.6	08	11.01
				M03	353/074	538 1883	N4215.1 E02606.0/.....	
L606	ADORU	131	FL370	073	481	31	39.9 / 90.0	04	11.05
-LTBB				M02	355/073	538 1852	N4152.3 E02634.1/.....	
UG80	ATVEP	139	FL370	044	482	30	39.6 / 90.4	03	11.08
				M01	355/072	543 1822	N4127.7 E02657.2/.....	
UG80	ULMAR	139	FL370	048	483	18	39.4 / 90.6	02	11.10
				M00	355/070	543 1804	N4112.7 E02711.2/.....	
UG80	EKI	139	FL370	048	116.30	483	39.1 / 90.8	02	11.12
	TEKIRDAG			P00	354/069	543 1784	N4057.1 E02725.6/.....	

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	LTAI	152	FL370 044		4	39.1 / 90.9	01	11.13
			M02 006/057		1780	N4052.9 E02727.8/.....	
UW81	YAYLA	152	FL370 058	484	66	38.3 / 91.7	07	11.20
			P00 348/063	548	1714	N3951.9 E02759.7/.....	
UL854	KUDAK	153	FL370 092	484	36	37.8 / 92.1	04	11.24
			P00 344/062	547	1678	N3917.9 E02816.6/.....	
UL854	ESKIN	153	FL370 092	484	16	37.7 / 92.3	01	11.25
			P00 342/062	547	1662	N3903.0 E02823.9/.....	
UL854	KULAR	153	FL370 095	484	30	37.3 / 92.6	04	11.29
			P00 337/062	546	1632	N3834.9 E02838.0/.....	
UT39	NESIL	139	FL370 108	485	91	36.2 / 93.7	10	11.39
			P01 324/057	543	1541	N3720.6 E02943.4/.....	
UT39	LAMSA	140	FL370 108	485	17	36.0 / 93.9	02	11.41
			P01 321/057	543	1524	N3706.7 E02955.4/.....	
UT39 -LTAA	*BDRY	140	FL370 110	485	7	35.9 / 94.0	00	11.41
			P00 320/057	542	1517	N3701.2 E03000.0/.....	
UT39	EDISI	140	FL370 126	485	12	35.8 / 94.2	02	11.43
			P01 319/056	542	1505	N3651.0 E03008.8/.....	
UT39 -LCCC	TOMBI	140	FL370 126	486	59	35.1 / 94.9	06	11.49
			P02 312/054	540	1446	N3602.4 E03049.5/.....	
DCT	SAFTA	157	FL370 126	485	141	33.3 / 96.6	16	12.05
			P01 294/064	527	1305	N3347.7 E03140.0/.....	
	HECA	158	FL370 010		5	33.3 / 96.7	01	12.06
			P03 293/062		1301	N3343.3 E03141.6/.....	
L324	TEZAK	158	FL370 010	485	16	33.1 / 96.9	02	12.08
			P01 291/065	526	1284	N3327.8 E03147.2/.....	
L324 -HECC	LAKTO	158	FL370 010	485	52	32.4 / 97.5	06	12.14
			P00 285/064	517	1232	N3238.0 E03205.0/.....	
L324	GENIV	128	FL370 021	485	72	31.5 / 98.4	08	12.22
			P00 276/064	536	1160	N3148.5 E03307.2/.....	
L550	SERMA	172	FL370 021	486	27	31.2 / 98.7	03	12.25
			P00 275/063	491	1133	N3122.0 E03308.6/.....	
L550	DATOK	146	FL370 078	486	120	29.7 / 100.2	14	12.39
			P02 268/066	515	1013	N2936.4 E03414.0/.....	
L550	TAKSU	085	FL370 078	486	19	29.5 / 100.5	02	12.41
			P02 266/066	552	994	N2936.4 E03436.4/.....	
L550	KARIK	136	FL370 078	487	13	29.3 / 100.6	02	12.43
			P02 264/067	522	981	N2926.6 E03445.7/.....	

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B411 -OJAC	ULINA	094	FL370	078	487	11	29.2 / 100.8	01	12.44	
				P03	263/067	552	970	N2924.9	E03458.3/.....
	OESK	070	FL370	088		4	29.1 / 100.8	00	12.44	
				P03	260/077		966	N2926.0	E03503.2/.....
UB411	ELETA	070	FL370	088	487	23	28.9 / 101.1	03	12.47	
				P02	262/068	555	942	N2932.0	E03529.0/.....
UB411	TAMIM	070	FL370	088	486	18	28.7 / 101.3	02	12.49	
				P02	262/069	555	924	N2936.7	E03548.7/.....
UB411	PETRA	074	FL370	088	486	30	28.3 / 101.6	03	12.52	
				P02	261/071	557	895	N2942.1	E03622.2/.....
UB411 -OEJD	DEESA	074	FL370	059	486	17	28.1 / 101.8	02	12.54	
				P02	260/072	557	878	N2945.2	E03641.0/.....
Y415	BOSAL	098	FL370	071	486	70	27.3 / 102.6	07	13.01	
				P02	258/074	553	808	N2929.2	E03759.6/.....
Y415	LABAD	097	FL370	071	487	49	26.8 / 103.2	06	13.07	
				P02	256/080	556	759	N2919.4	E03854.2/.....
Y415	NIMAR	099	FL370	051	487	54	26.1 / 103.8	05	13.12	
				P03	254/088	561	705	N2906.6	E03954.4/.....
Y415	DEDGI	095	FL370	056	487	42	25.7 / 104.3	05	13.17	
				P03	254/092	567	663	N2859.1	E04041.5/.....
Y415	GENON	096	FL370	056	487	42	25.2 / 104.7	04	13.21	
				P03	254/094	569	622	N2851.3	E04128.0/.....
Y415	TAMRO	096	FL370	050	487	65	24.5 / 105.4	07	13.28	
				P02	253/094	568	556	N2838.6	E04240.8/.....
N318	NOTLI	114	FL370	042	487	56	23.9 / 106.1	06	13.34	
				P02	254/097	552	500	N2812.0	E04337.2/.....
N318	LOXOM	114	FL370	040	487	32	23.5 / 106.4	04	13.38	
				P02	255/100	555	468	N2756.8	E04408.5/.....
N318	MOGON	114	FL370	036	487	38	23.1 / 106.9	04	13.42	
				P02	256/100	556	431	N2738.8	E04445.9/.....
	OTHH	098	FL370	036		11	23.0 / 107.0	01	13.43	
				P03	253/098		420	N2736.5	E04458.2/.....
N318	EMARO	098	FL370	036	486	14	22.8 / 107.1	01	13.44	
				P02	256/100	576	406	N2733.7	E04513.5/.....
N318	DEBOL	098	FL370	035	486	59	22.2 / 107.8	06	13.50	
				P02	258/102	578	346	N2721.3	E04618.7/.....
N318	MAANI	097	FL370	029	487	66	21.4 / 108.5	07	13.57	
				P03	259/101	579	280	N2708.2	E04731.9/.....
N318	GESOR	098	FL370	028	487	24	21.2 / 108.7	03	14.00	

TCC223B KLAS-OTHH (24-Nov-2024) #1

				P03 260/101 579 256 N2703.4 E04757.9/.....
L681	LABLI	127	FL370 028	488 27 20.9 / 109.1 03 14.03
			P03 260/099 546 229 N2645.4 E04821.0/.....	
L681	RABSA	127	FL370 026	488 22 20.6 / 109.3 02 14.05
			P03 261/096 546 206 N2630.8 E04839.9/.....	
L681	TABTA	121	FL370 026	488 4 20.6 / 109.4 01 14.06
			P03 261/096 554 203 N2628.6 E04843.4/.....	
L681	EMOGA	121	FL370 026	488 21 20.3 / 109.6 02 14.08
			P04 261/093 554 182 N2616.8 E04902.5/.....	
L681	BOSIV	122	FL370 021	489 7 20.3 / 109.7 01 14.09
			P04 261/093 553 175 N2613.0 E04908.6/.....	
L681	DEMKA	121	FL370 021	489 5 20.2 / 109.7 00 14.09
			P04 261/092 553 170 N2610.1 E04913.2/.....	
L681	*TOD	122	FL370 027	489 32 19.9 / 110.1 04 14.13
			P04 261/089 551 138 N2551.9 E04942.3/.....	
L681	GISRA	122	*DES 027	32 19.8 / 110.1 03 14.16
			P10 265/058 107 N2533.7 E05010.8/.....	
L681	ORLEK	106	*DES 020	25 19.7 / 110.2 03 14.19
-OB	BBB		P11 261/038 81 N2525.7 E05037.2/.....	
ORLE1L	GINTO	108	*DES 023	26 19.6 / 110.3 04 14.23
			P10 251/021 55 N2516.1 E05104.3/.....	
ORLE1L	LAGNO	086	*DES 023	10 19.6 / 110.4 02 14.25
			P11 242/017 45 N2516.2 E05115.3/.....	
ORLE1L	KIPIK	100	*DES 023	13 19.5 / 110.4 02 14.27
			P11 229/012 32 N2513.3 E05129.0/.....	
ORLE1L	SOMAP	155	*DES 023	8 19.5 / 110.5 02 14.29
			P11 221/010 25 N2506.2 E05132.1/.....	
ORLE1L	PURIN	155	*DES 023	3 19.5 / 110.5 00 14.29
			P12 217/009 22 N2503.7 E05133.3/.....	
ORLE1L	DASIK	155	*DES 023	5 19.4 / 110.5 01 14.30
			P12 206/008 17 N2459.1 E05135.3/.....	
ORLE1L	OTHH/34R	005	13 023	17 19.1 / 110.9 06 14.36
	HAMAD INTL			N2515.3 E05137.6/.....

TCC223B KLAS-OTHH (24-Nov-2024) #1

WIND INFORMATION - OBS 24/NOV 00:00

(CLIMB)											
FL280	258/108	-37	FL350	254/112	-54	FL350	251/092	-53	FL350	240/092	-53
FL230	254/093	-25	FL330	253/111	-50	FL330	250/093	-50	FL330	239/093	-51
17000	249/065	-14	FL310	253/109	-45	FL310	250/092	-46	FL310	239/095	-47
11000	233/034	-4	FL290	253/106	-40	FL290	249/090	-42	FL290	238/092	-44
5000	220/011	+7	FL270	253/099	-36	FL270	248/085	-37	FL270	237/083	-40
CFMSZ											
FL370	233/071	-57	FL370	234/036	-61	FL370	239/032	-63	FL370	254/050	-60
FL350	230/068	-55	FL350	225/036	-60	FL350	244/029	-62	FL350	263/058	-62
FL330	227/062	-53	FL330	218/036	-58	FL330	246/029	-59	FL330	265/063	-61
FL310	224/053	-51	FL310	215/033	-54	FL310	245/033	-55	FL310	262/064	-56
FL290	221/047	-47	FL290	211/031	-50	FL290	243/034	-50	FL290	257/062	-51
6680N											
FL370	229/062	-54	FL370	237/066	-57	FL370	245/077	-60	FL390	304/024	-59
FL350	226/070	-55	FL350	236/071	-58	FL350	244/086	-61	FL370	312/024	-60
FL330	224/078	-56	FL330	234/078	-58	FL330	243/091	-61	FL350	322/023	-61
FL310	222/085	-56	FL310	232/084	-56	FL310	241/089	-57	FL330	332/025	-61
FL290	221/086	-54	FL290	231/087	-53	FL290	239/085	-54	FL310	339/028	-59
6810N											
FL390	264/014	-59	FL390	217/048	-57	FL390	224/075	-59	FL390	245/072	-66
FL370	257/013	-59	FL370	211/043	-56	FL370	223/079	-57	FL370	247/076	-63
FL350	250/011	-58	FL350	201/038	-56	FL350	222/083	-54	FL350	251/079	-59
FL330	248/010	-58	FL330	195/033	-55	FL330	221/085	-52	FL330	251/080	-54
FL310	253/007	-56	FL310	195/028	-52	FL310	219/083	-49	FL310	249/078	-48
LENOV											
FL410	326/049	-66	FL410	338/052	-65	FL410	352/062	-63	FL410	354/059	-60
FL390	327/054	-65	FL390	340/055	-65	FL390	352/073	-65	FL390	354/070	-61
FL370	327/053	-62	FL370	342/055	-62	FL370	353/075	-62	FL370	354/075	-59
FL350	327/050	-57	FL350	343/053	-57	FL350	355/075	-57	FL350	353/078	-57
FL330	328/046	-52	FL330	343/051	-53	FL330	354/072	-53	FL330	353/081	-54
YAYLA											
FL410	343/053	-58	FL410	324/052	-57	FL410	293/063	-57	FL410	278/066	-59
FL390	349/058	-57	FL390	323/054	-57	FL390	293/067	-57	FL390	278/066	-58
FL370	348/064	-56	FL370	325/058	-56	FL370	295/064	-56	FL370	276/064	-56
FL350	346/070	-56	FL350	326/062	-55	FL350	296/061	-54	FL350	274/063	-54
FL330	345/075	-54	FL330	328/066	-52	FL330	300/058	-51	FL330	274/060	-50
DATOK											
FL410	269/074	-58	FL410	264/078	-58	FL410	261/085	-58	FL410	259/091	-58
FL390	268/073	-56	FL390	261/079	-57	FL390	258/086	-56	FL390	257/094	-56
FL370	268/066	-55	FL370	261/071	-55	FL370	257/080	-54	FL370	254/094	-54
FL350	269/058	-53	FL350	262/062	-53	FL350	255/073	-52	FL350	252/094	-51
FL330	270/051	-50	FL330	263/054	-50	FL330	254/063	-49	FL330	250/087	-47
NOTLI											
FL410	258/092	-59	FL410	259/100	-60	FL410	260/097	-60	FL340	282/080	-47
FL390	256/096	-58	FL390	258/103	-58	FL390	260/101	-57	FL270	277/050	-30
FL370	255/097	-54	FL370	258/103	-54	FL370	261/099	-53	FL200	274/034	-14
FL350	253/098	-50	FL350	258/101	-50	FL350	261/096	-49	13000	265/020	-1
(DESCENT)											

TCC223B KLAS-OTHH (24-Nov-2024) #1

FL330 253/094 -46 FL330 258/095 -45 FL330 263/091 -45 6000 262/008 +14

END FLIGHTPLAN 02239 TCC223B PJTGC KLAS-OTHH 24NOV2024

TCC223B KLAS-OTHH (24-Nov-2024) #1

[ATC FLIGHTPLAN]

(FPL-TCC223B-IS
-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2
-KLAS1040
-N0494F310 GIDGT2 VERKN Q88 PROMT DCT EKR DCT DDY DCT
DIK/N0485F330 J562 YBR DCT POPLR DCT YGX DCT 6030N09000W 66N080W
69N070W DCT ADSAM DCT 70N060W 71N040W/M084F350 70N020W 68N010W
65N000E DCT MORIG DCT ROGED DCT PENOR/N0478F370 DCT LENOV DCT
KARIL DCT TIMUR L606 ADORU UG80 EKI UW81 YAYLA UL854 KULAR UT39
TOMBI DCT SAFTA L324 GENIV L550 KARIK B411 ULINA UB411 DEESA
Y415 TAMRO N318 GESOR L681 ORLEK ORLE1L
-OTHH1436 OBBI
-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/241124 REG/PJTGC
EET/KZLC0025 KZDV0038 KZLC0127 KZMP0137 CZWG0156 CZEG0337
69N070W0446 BGGL0502 70N060W0510 71N040W0553 BIRD0640
68N010W0710 ENOB0748 ENOR0807 ESAA0841 EPWW0920 LZBB1007
LHCC1015 LRBB1019 LBSR1048 LTBB1105 LTAA1141 LCCC1149 HECC1214
OJAC1244 OEJD1254 OBBB1419
SEL/ASHL CODE/484DC5 RVR/75 OPR/TRADEWIND CARIBBEAN
ORGN/TNCCTCAP PER/C
RALT/CYYQ BGSF BIKF ENAL
RMK/TCAS
-E/1728)

TCC223B KLAS-OTHH (24-Nov-2024) #1

[PLANNING WEATHER]

ORIGIN: KLAS/LAS (REID INTL, UNITED STATES)

UTC -08:00

KLAS 240856Z 20012G21KT 10SM FEW120 15/04 A2981 RMK A02 SLP080 T01500039
50000

KLAS 240520Z 2406/2512 20013G23KT P6SM FEW070 FEW200
FM241300 24010G18KT P6SM FEW070 SCT200
FM242000 25010G18KT P6SM SCT070 BKN200
FM250100 24008KT P6SM SCT070 BKN200

DESTINATION: OTHH/DOH (HAMAD INTL, QATAR)

UTC +03:00

OTHH 240800Z AUTO 31010KT 280V340 CAVOK 28/17 Q1015 NOSIG
OTHH 240624Z 2406/2512 33010KT CAVOK
TEMPO 2419/2505 27005KT

ALTERNATE: OBBI/BAH (BAHRAIN INTL, BAHRAIN)

UTC +03:00

OBBI 240900Z 32013KT CAVOK 27/18 Q1015 NOSIG
OBBI 240500Z 2406/2512 33010KT CAVOK
BECMG 2415/2417 VRB05KT

EDTO AIRPORT: ENAL/AES (VIGRA, POLARIS)

UTC +01:00

ENAL 240850Z 12020KT 9999 -RA FEW019 SCT032 BKN043 05/M02 Q0985
ENAL 240800Z 2409/2418 12018KT 9999 FEW030 BKN050
TEMPO 2409/2413 12020G30KT
TEMPO 2409/2415 RA
BECMG 2414/2416 18012KT

EDTO AIRPORT: BIKF/KEF (KEFLAVIK, ICELAND)

UTC +00:00

BIKF 240900Z 02019KT 9999 FEW031 M03/M09 Q1001
BIKF 240723Z 2409/2509 02020G30KT 9999 FEW035 TX00/2415Z TNM03/2409Z
BECMG 2501/2503 01012KT

EDTO AIRPORT: BGSF/SFJ (KANGERLUSSUAQ, GREENLAND)

UTC -02:00

BGSF 240850Z AUTO 03008KT 9999NDV SCT080/// BKN100/// M16/M19 Q1017
BGSF 240500Z 2406/2512 04010KT 9999 FEW200
BECMG 2413/2415 BKN060
TEMPO 2503/2512 4000 -SN BKN030

TCC223B KLAS-OTHH (24-Nov-2024) #1**EDTO AIRPORT: CYYQ/YYQ (CHURCHILL, CANADA)****UTC -06:00**

CYYQ 240900Z 35020G26KT 3SM -SN BLSN OVC015 M11/M13 A3029 RMK SC8 VIS VRB
2-4 SLP261

AMD CYYQ 240816Z 2408/2506 34020G30KT 1 1/2SM -SN BLSN OVC012
TEMPO 2408/2415 3SM BLSN
FM241500 34015G25KT P6SM OVC015
TEMPO 2415/2506 3SM -SN BLSN
RMK NXT FCST BY 241200Z

ADEQUATE: KDEN/DEN (DENVER INTL, UNITED STATES)**UTC -07:00**

KDEN 240853Z 24009KT 10SM FEW220 07/M09 A2971 RMK A02 SLP007 T00721089
51002

KDEN 240900Z 2409/2512 21010KT P6SM BKN200
FM241400 24010KT P6SM SCT080 BKN200
FM241800 27008KT P6SM SCT080 BKN200
TEMPO 2418/2422 28015G30KT
FM242200 31012G22KT P6SM SCT080 BKN200
FM250100 03012G20KT P6SM SCT080 BKN120
FM250400 07008KT P6SM VCSH BKN050 BKN080
FM250800 08007KT P6SM SCT050 BKN080

ADEQUATE: KBIS/BIS (BISMARCK MUN, UNITED STATES)**UTC -06:00**

KBIS 240852Z AUTO 08006KT 4SM BR OVC007 M06/M06 A2984 RMK A02 CIG 004V009
SLP128 I1001 I3004 T10561061 53007

KBIS 240736Z 2408/2506 09011KT 3SM -FZDZ BR OVC005
TEMPO 2408/2411 5SM BR OVC006
FM241100 07005KT 6SM BR OVC008
FM241500 30011KT P6SM BKN015
FM241900 30012G18KT P6SM SCT020 BKN035
FM242100 30014G22KT P6SM FEW025 BKN200
FM250300 31012G18KT P6SM SCT250

ADEQUATE: CYWG/YWG (JAMES ARMSTRONG RICHARDSON INT, CANADA)**UTC -06:00**

CYWG 240900Z 11005KT 15SM OVC012 M05/M07 A3003 RMK SC8 SLP187

AMD CYWG 240905Z 2409/2506 06008KT P6SM OVC012
TEMPO 2409/2411 5SM -SN
FM241100 08008KT 5SM -SN OVC020
TEMPO 2411/2419 2SM -SN OVC008
FM241900 10010KT P6SM OVC020
TEMPO 2419/2506 3SM -SN OVC008
RMK NXT FCST BY 241200Z

TCC223B KLAS-OTHH (24-Nov-2024) #1

ADEQUATE: ESSA/ARN (ARLANDA, SWEDEN)

UTC +01:00

ESSA 240850Z 17005KT 9999 FEW018 M03/M03 Q1010 TEMPO 2000 BR
ESSA 240830Z 2409/2509 16007KT CAVOK
PROB40 2412/2415 BKN010
BECMG 2415/2417 17017G27KT -RA BKN010
TEMPO 2417/2420 4000 RA BKN007
TEMPO 2420/2501 3000 DZRA BR BKN004
BECMG 2501/2503 SCT030

ADEQUATE: EPWA/WAW (CHOPIN, POLAND)

UTC +01:00

EPWA 240900Z 15011KT 9999 SCT044 01/M01 Q1020 NOSIG
EPWA 240830Z 2409/2509 17010KT 9999 BKN030
TEMPO 2410/2418 BKN014

ADEQUATE: LROP/OTP (HENRI COANDA, ROMANIA)

UTC +02:00

LROP 240900Z 25006KT CAVOK 03/M05 Q1035 NOSIG
LROP 240500Z 2406/2506 27006KT CAVOK

ADEQUATE: LTAI/AYT (ANTALYA INTL, TURKEY)

UTC +03:00

LTAI 240820Z 33028G38KT CAVOK 12/M05 Q1020 NOSIG RMK RWY18C 33026G38KT
RWY36R 33029KT RWY18L 34030G45KT
LTAI 240440Z 2406/2506 34025G40KT CAVOK

ADEQUATE: HECA/CAI (CAIRO INTL, EGYPT)

UTC +02:00

HECA 240830Z 34012KT 6000 -RA OVC025 17/15 Q1020 NOSIG
HECA 240535Z 2406/2512 33009KT 9999 SCT025
TEMPO 2406/2415 6000 -RA BKN020

ADEQUATE: OESK/AJF (AL JOUF, SAUDI ARABIA)

UTC +03:00

OESK 240900Z 22004KT CAVOK 20/07 Q1016 NOSIG
OESK 232300Z 2400/2506 06008KT 9999 SCT040
PROB40 TEMPO 2400/2406 FEW035CB BKN040
BECMG 2406/2408 30010KT

TCC223B KLAS-OTHH (24-Nov-2024) #1

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/2 TRACKS FLS 340/390 INCLUSIVE
NOV 24/1130Z TO NOV 24/1900Z
PART ONE OF TWO PARTS-

A GOMUP 59/20 60/30 59/40 57/50 HOIST
EAST LVLS NIL
WEST LVLS 340 350 360 370 380 390
EUR RTS WEST NIL
NAR N754B N750B N748B-

B SUNOT 58/20 59/30 58/40 56/50 JANJO
EAST LVLS NIL
WEST LVLS 340 350 360 370 380 390
EUR RTS WEST NIL
NAR N714B N712B-

C PIKIL 57/20 58/30 57/40 55/50 LOMSI
EAST LVLS NIL
WEST LVLS 340 350 360 370 380 390
EUR RTS WEST NIL
NAR N672A N668A-

D RESNO 56/20 57/30 56/40 54/50 NEEKO
EAST LVLS NIL
WEST LVLS 340 350 360 370 380 390
EUR RTS WEST NIL
NAR N624C N622E-

END OF PART ONE OF TWO PARTS)

(NAT-2/2 TRACKS FLS 340/390 INCLUSIVE
NOV 24/1130Z TO NOV 24/1900Z
PART TWO OF TWO PARTS-

E DOGAL 55/20 56/30 55/40 53/50 RIKAL
EAST LVLS NIL
WEST LVLS 340 350 360 370 380 390
EUR RTS WEST NIL
NAR N576B N574A N572A-

REMARKS.

1. TMI IS 329 OPERATORS ARE REMINDED TO INCLUDE THE TMI NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
2. SEND RCL 90-30 MINUTES PRIOR TO OCEANIC ENTRY POINT.
3. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS
NO ASSIGNED PBCS TRACKS
END OF PBCS OTS
4. INCLUDE THE MAX LEVEL IN RCL. IF NO MAX LEVEL IS PROVIDED THE RCL LEVEL WILL BE CONSIDERED HIGHEST ACCEPTABLE FL THAT CAN BE MAINTAINED AT THE OCEANIC ENTRY POINT.
5. CLEARANCE MAY DIFFER FROM THE FLIGHT PLAN, FLY THE CLEARANCE.
6. STRATEGIC LATERAL OFFSET PROCEDURE SHOULD BE USED FOR ALL OCEANIC CROSSINGS. LEFT SLOP IS PROHIBITED.

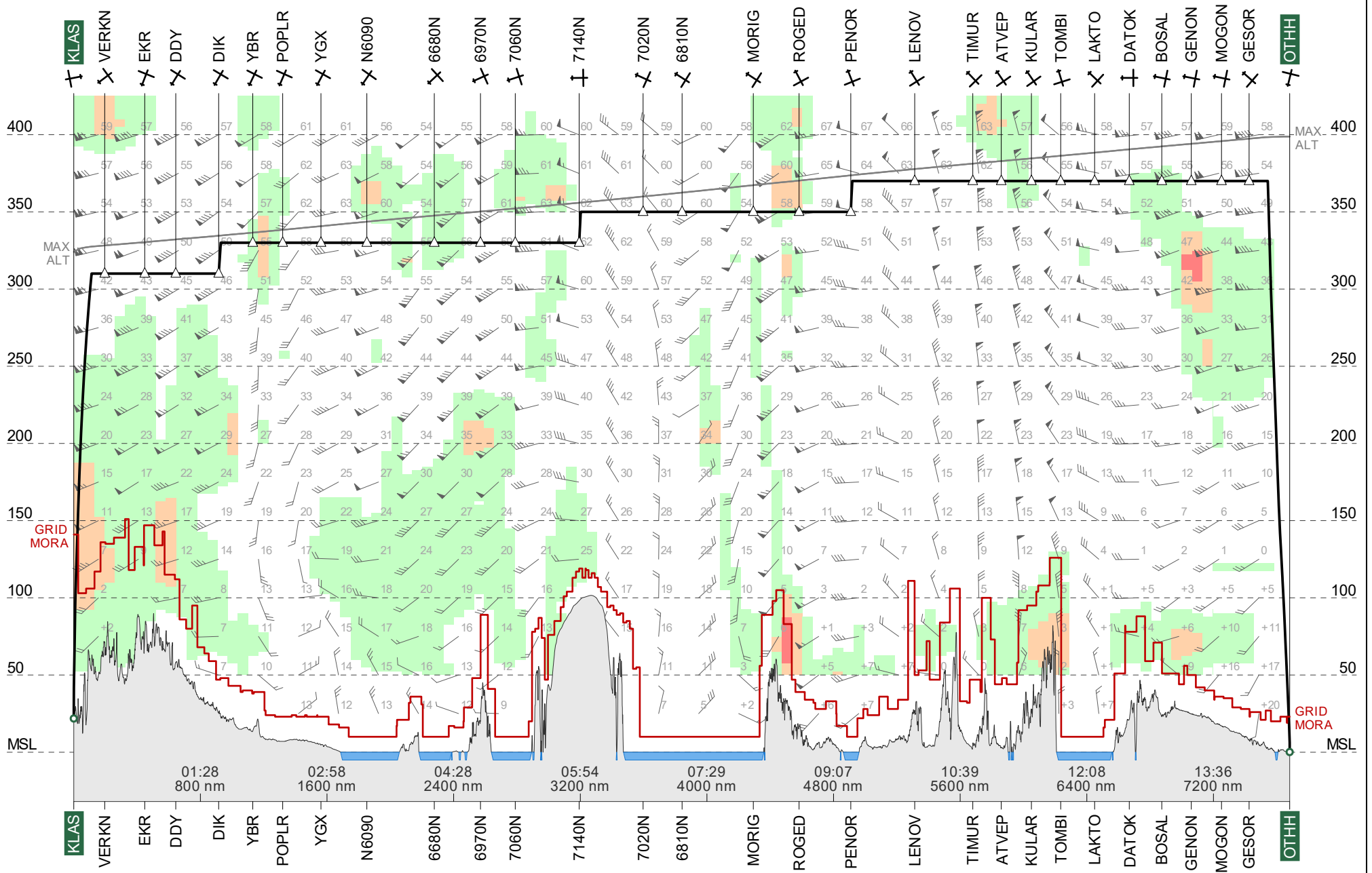
TCC223B KLAS-OTHH (24-Nov-2024) #1

7. 10 MINUTES AFTER PASSING OEP SQUAWK 2000 UNLESS OTHERWISE INSTRUCTED.
 8. NAVIGATION ERRORS CAN BE PREVENTED BY THE USE OF PROPER FMS WAYPOINT PROCEDURES.
 9. OPERATORS ARE REMINDED TO ONLY USE NAT TRACK DESIGNATORS IN FLIGHT PLANS WHEN FLYING THE WHOLE LENGTH OF THE NAT TRACK.
 10. ADS-C AND CPDLC ARE MANDATED FOR LEVELS 290-410 IN NAT AIRSPACE.
 11. UK AIP. ENR2.2 PARA 3.5.2 STATES THAT NAT OPERATORS SHALL FILE PRM'S.
 12. OPERATORS SHOULD REFERENCE NAT DOC 007 CHAPTER 8 AND 13 FOR SPECIFIC NAT OCEANIC PROCEDURES.
 13. DATA LINK EQUIPPED FLIGHTS NOT LOGGED ONTO DOMESTIC AIRSPACE, PRIOR TO ENTERING THE SHANWICK OCA, MUST INITIATE A LOGON TO EGGX 10-25 MINS PRIOR TO OCA ENTRY.
 14. DUE TO THE CONTINUED IMPACT OF PRE-BOUNDARY GNSS INTERFERENCE, CREWS ARE REMINDED OF THE REQUIREMENTS WITHIN NOTAM G0205/24. -
- END OF PART TWO OF TWO PARTS)

TR223B #1

KLAS → OTHH

ETD 24 Nov 10:40z
PJTGC B77L



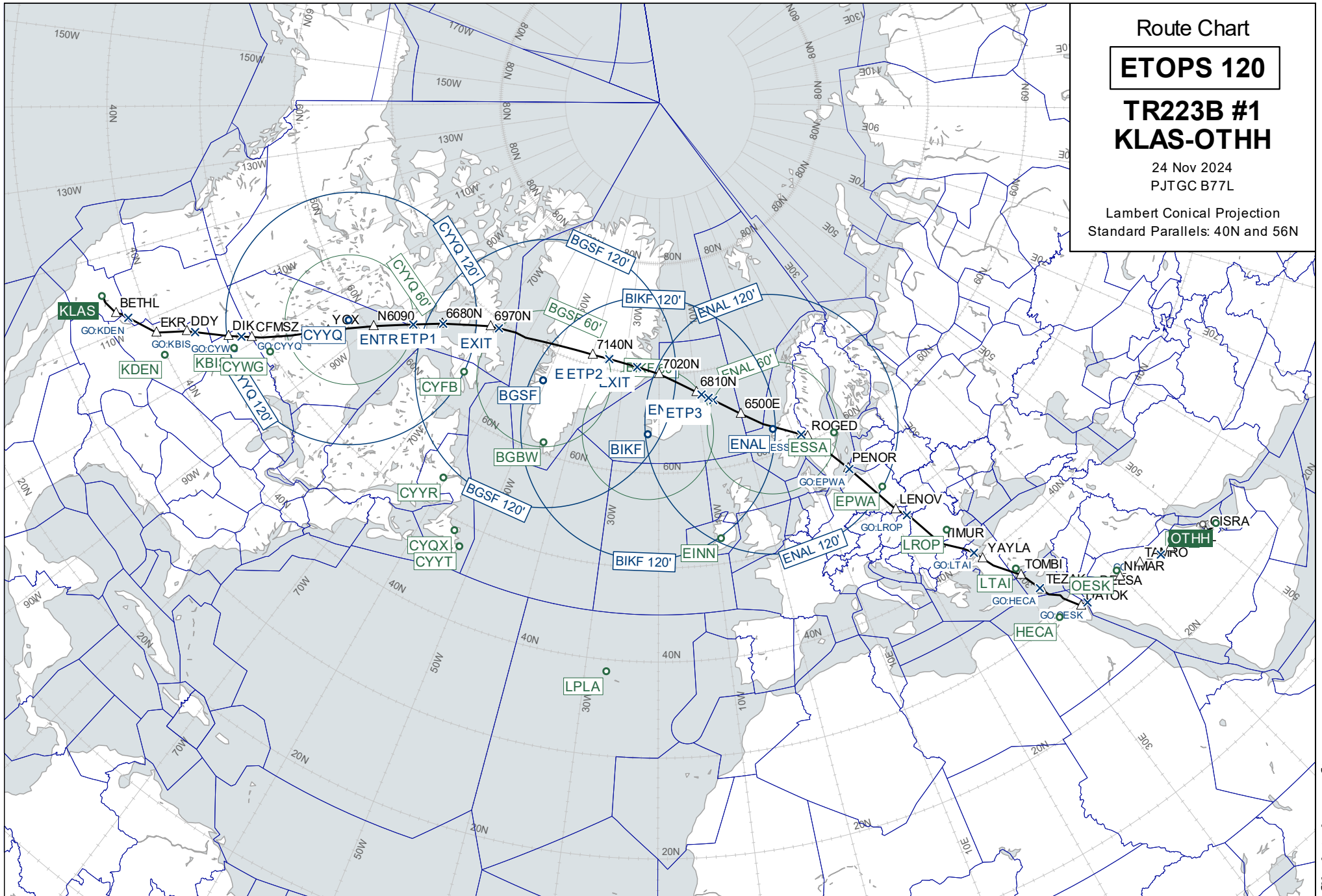
Route Chart

ETOPS 120

**TR223B #1
KLAS-OTHH**

24 Nov 2024
PJTGC B77L

Lambert Conical Projection
Standard Parallels: 40N and 56N



Wind Chart

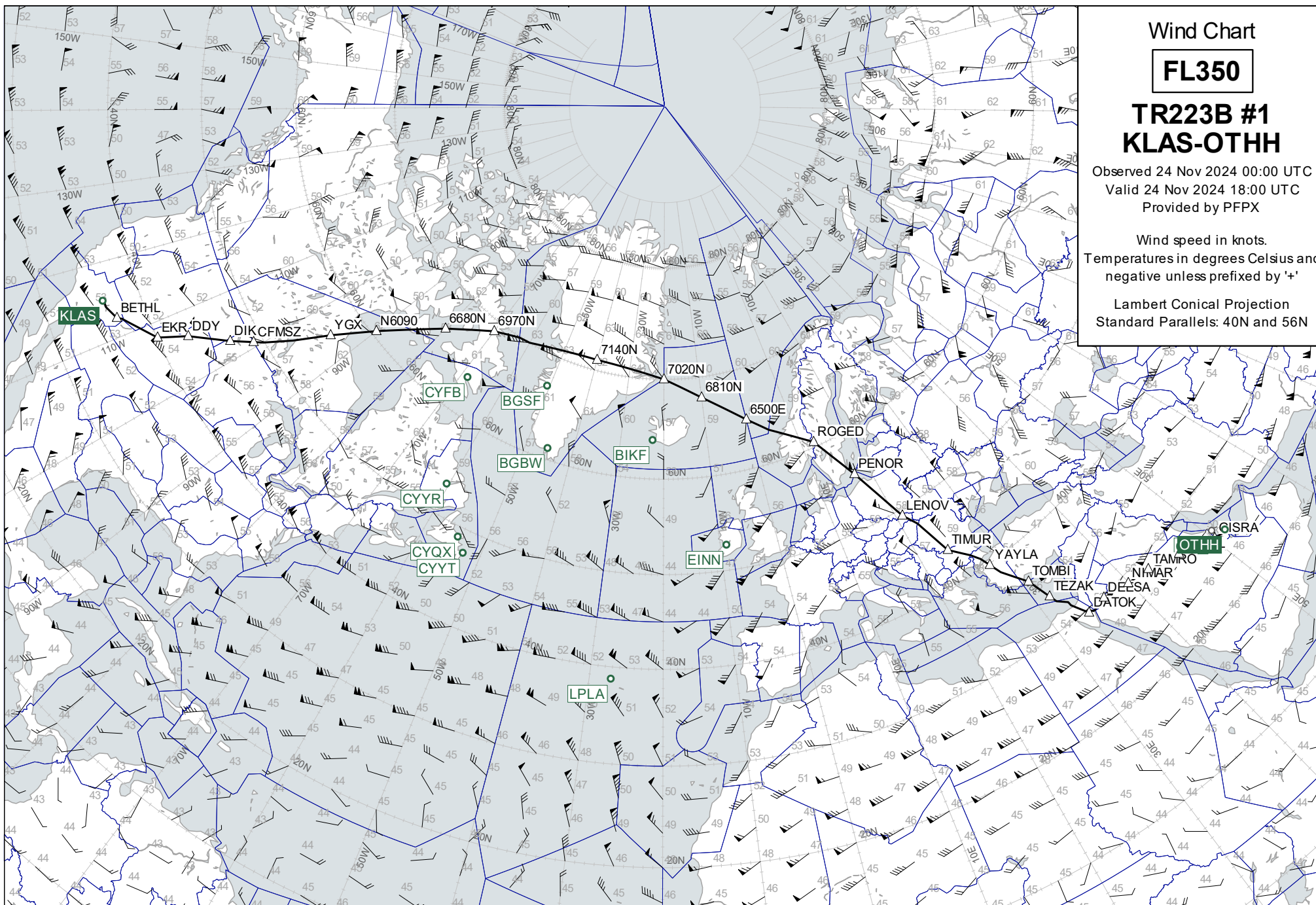
FL350

TR223B #1 KLAS-OTHH

Observed 24 Nov 2024 00:00 UTC
Valid 24 Nov 2024 18:00 UTC
Provided by PFPX

Wind speed in knots.
Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection
Standard Parallels: 40N and 56N



Wind Chart

FL310

TR223B #1 KLAS-OTHH

Observed 24 Nov 2024 00:00 UTC

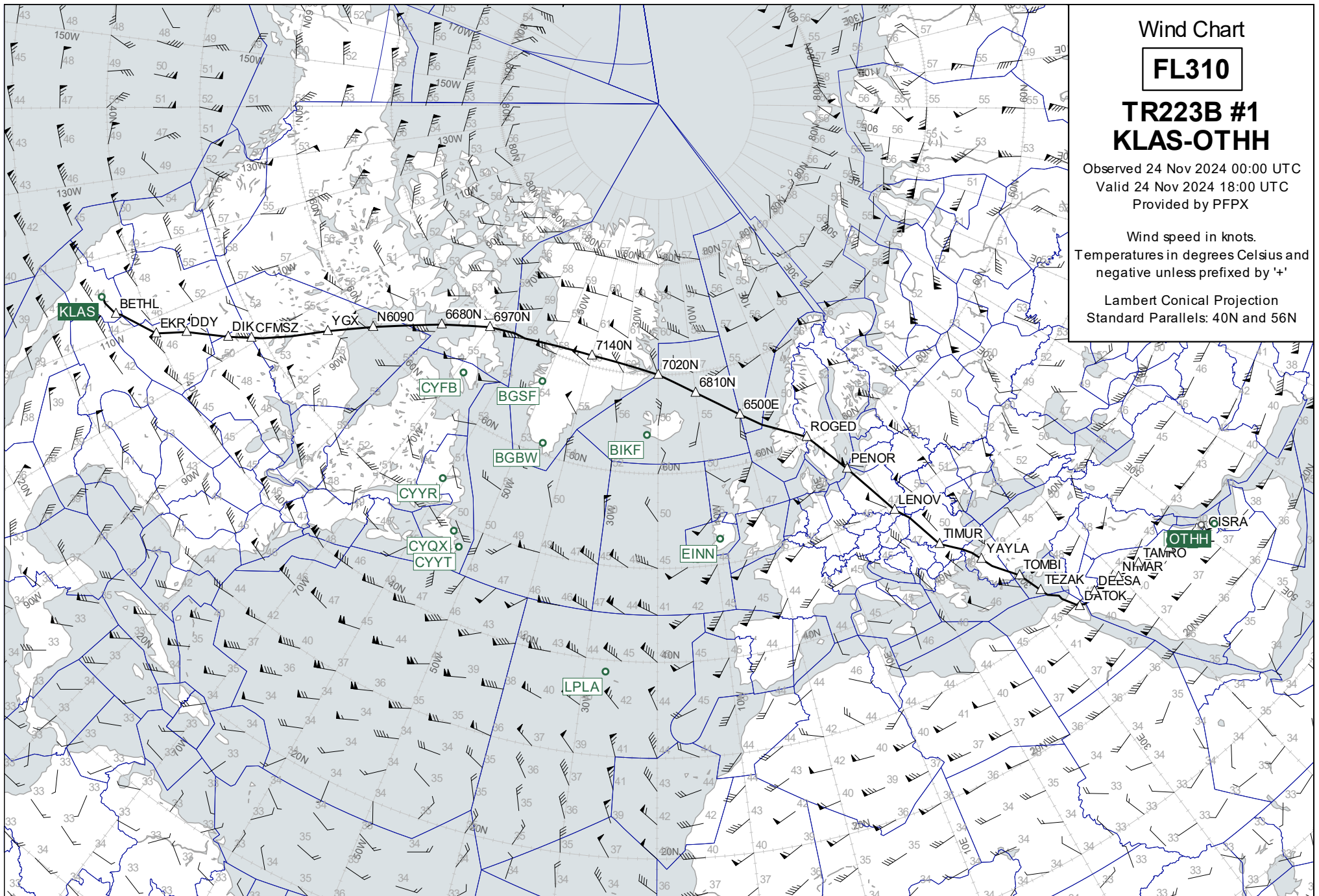
Valid 24 Nov 2024 18:00 UTC

Provided by PFPX

Wind speed in knots.

Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection
Standard Parallels: 40N and 56N



Wind Chart

FL390

TR223B #1 KLAS-OTHH

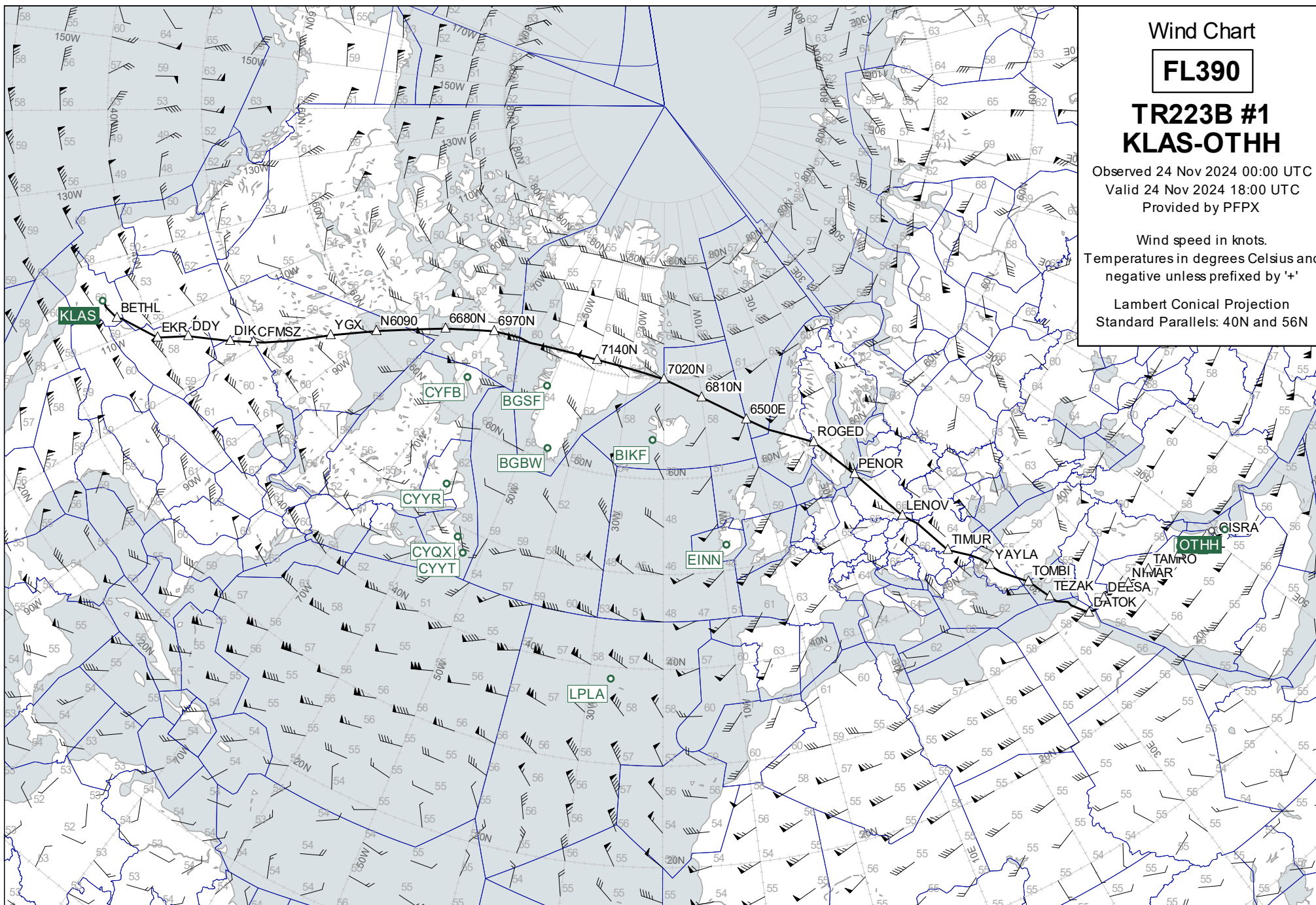
Observed 24 Nov 2024 00:00 UTC

Valid 24 Nov 2024 18:00 UTC

Provided by PFPX

Wind speed in knots.
Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection
Standard Parallels: 40N and 56N



Destination Area

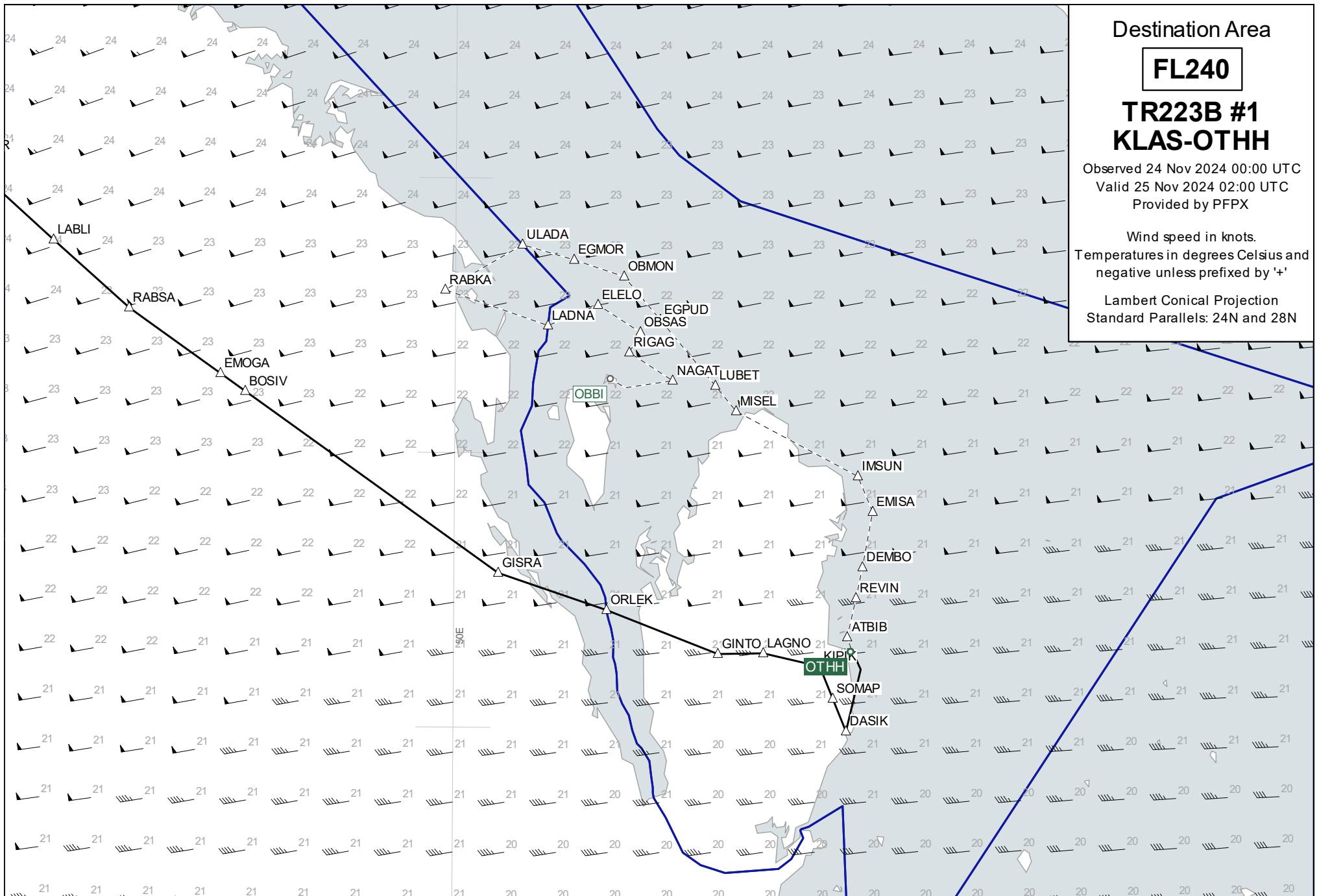
FL240

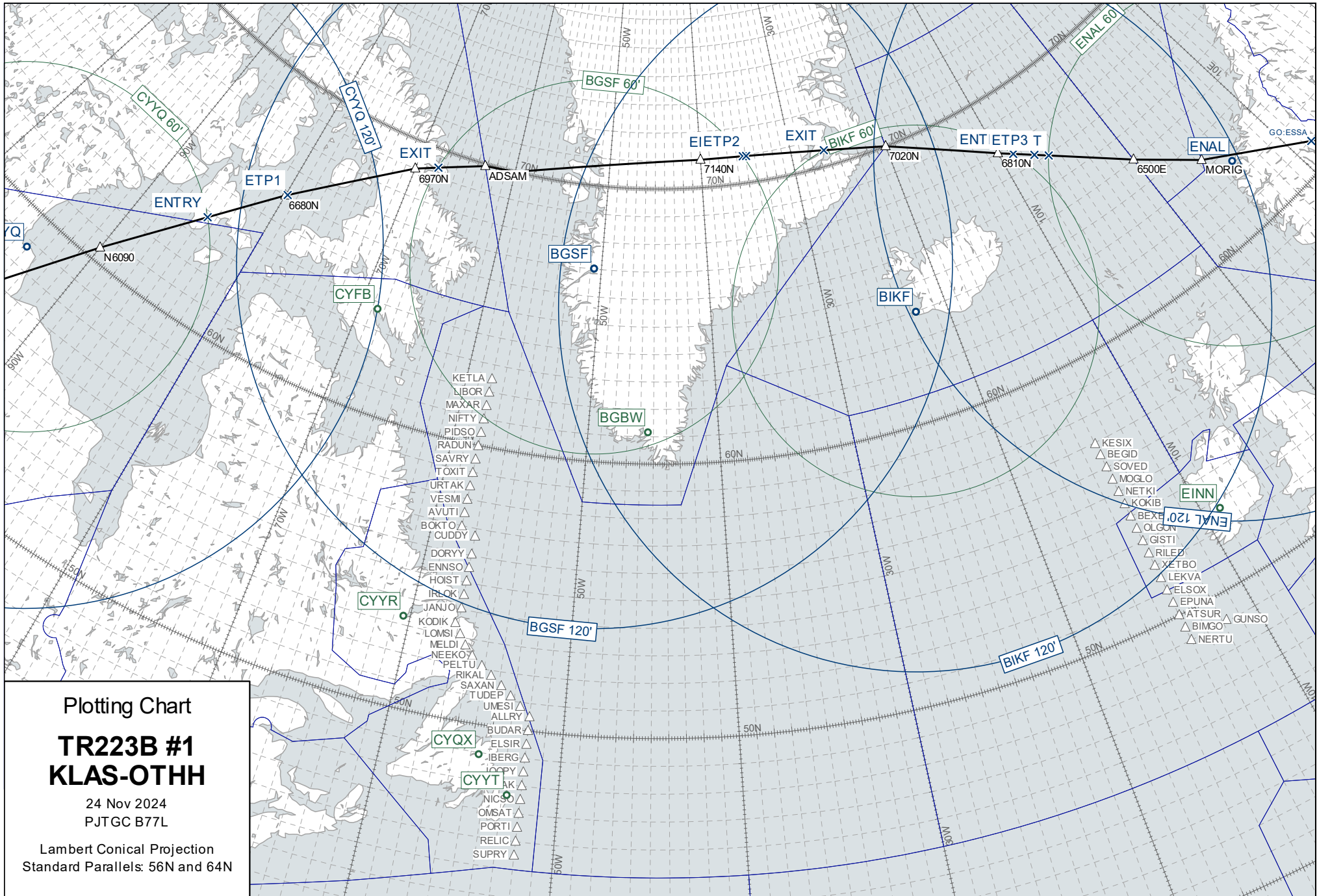
**TR223B #1
KLAS-OTHH**

Observed 24 Nov 2024 00:00 UTC
Valid 25 Nov 2024 02:00 UTC
Provided by PFPX

Wind speed in knots.
Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection
Standard Parallels: 24N and 28N





Plotting Chart

**TR223B #1
KLAS-OTHH**

24 Nov 2024
PJTGC B77L

Lambert Conical Projection
Standard Parallels: 56N and 64N