



Tradewind VA



Flight Briefing Package

TCC312C LHBP-KMEM

04-Aug-2019 #2

RELEASE #2

LISZT FERENC INTL
(HUNGARY)

-

MEMPHIS INTL
(UNITED STATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

04 AUG 1655 UTC

Fuel Planning (kg)	EU-OPS	Fuel	Time
TRIP		67.375	09:49
CONT 5%		3.369	00:34
HOLD	KMEM	2.003	00:20
ALTN	KBNA	4.019	00:32
FINAL RESV		3.001	00:30
ADD FUEL		1.234	00:12
MIN T/O		81.001	11:57
EXTRA		1.502	00:15
TAXI		884	00:17
RELEASE	LHBP	83.387	12:29
ARR FUEL	KMEM	14.192	02:05

Load Planning (kg)	PJTGE	Plan	Limit
Empty Weight		156.146	
Payload	265+0 Pax	24.910	
Zero Fuel Weight		181.056	209.106
Fuel		83.387	162.613
Ramp Weight		264.443	348.359
Take-Off Weight LHBP	Limit	263.559	278.387
Landing Weight KMEM		196.184	223.167
Underload		14.828	Lim TOW

Cost Planning		
Flight Time	09:49\$	54.824
Fuel	69.195\$	102.765
Total	\$	157.589
Per Pax	\$	595
Per 5.000 kg Payload	\$	31.632

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC312C PJTGE LHBP-KMEM

ALL WEIGHTS IN KILOGRAMS (KG) STD 04AUG/1940Z

OFF 2 - PREPARED 04AUG/1655Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR312C/TCC312C PJTGE/B777-2LR GE SEL/EGAP ROUTE: LHBPKMEM03

DEP: LHBP/BUD 31R ELEV 496 FT COST INDEX: 250 TTL G/C DIST: 4575 NM
ARR: KMEM/MEM 18L ELEV 341 FT INIT ALT: FL320 TTL F/P DIST: 4623 NM
FUEL BIAS: 100.5% TTL AIR DIST: 4746 NM
AVG WIND CMP: HD013 KT

ALT: KBNA/BNA 31 ELEV 599 FT 182 NM

Table with columns: CONFIG, DOW, PAX, CARGO, TOTAL, ULOAD LIM, ZFW, TOW, LDW. Rows include STANDARD, MAX, PLN, ACT.

** TAKE-OFF DATA LHBP 31R **

COND: 263559 KG // RWY DRY // +25C Q1014 CALM // LMT: OBS(A)
CONFIG: FLAPS 5 // D-T01 +38C // A/I OFF/AUTO // A/C ON
SPEEDS: V1=153 VR=157 V2=162
ENG OUT: CLIMB STRAIGHT AHEAD TO 2000FT. TURN RIGHT TO TPS (D115.90) CLIMBING TO 5000FT AND HOLD (160/L).

Table with columns: FUEL, CORR, ENDUR. Rows include TRIP, CONT 5%, ALTN KBNA, FINAL RESV, HOLD, ADD FUEL, MIN T/O, EXTRA, TAXI, RELEASE, ARR FUEL. Includes CAPTAINS SIGNATURE and I ACCEPT THIS OFF...

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 16329 KG LIM BY ENRTE
TRIP CORR FOR 5000 KG TOW INCR: +1094 KG / 5000 KG TOW DECR: -1093 KG
2000 FT LOWER: +1418 KG / EET 09:43 CLB: 250/310/84 DES: 84/320/250

LHBP STD 19:40Z/21:40L ETD 19:40Z ACT OFBL EST T/O 19:57Z ACT T/O
KMEM STA 06:25Z/01:25L ETA 06:04Z ACT ONBL EST LDG 05:46Z ACT LDG
SKD 10:45 PLN 10:24 TTL BLCK EST FLT 09:49 TTL FLT

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (EINN) 10 NM BEFORE 5520N N55 00.3 W019 43.1 EET 03:19
ETOPS EXIT (CYQX) 159 NM BEFORE 5250N N52 56.3 W045 55.8 EET 05:12

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

EINN (00:12-02:32)
CYQX (02:04-02:32)

ONE ENGINE OUT DECOMP ETP 1 FOR EINN/CYQX N54 46.6 W033 11.1 EET 04:15
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 243 NM BEFORE 5440N
 PLN FUEL OVER ETP 49018 ETP FUEL REQ 19759 DIV TIME 02:20
 ETP TO EINN (N52 42.1 W008 55.5) DIST 867 NM WC TL002 TT 088
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 863 NM WC HD001 TT 255

ALL ENGINE DECOMP ETP 1 FOR EINN/CYQX N54 46.6 W033 11.1 EET 04:15
 84/320/250 DESC TO FL100 CRUISE AT AE320 243 NM BEFORE 5440N
 PLN FUEL OVER ETP 49018 ETP FUEL REQ 18851 DIV TIME 02:20
 ETP TO EINN (N52 42.1 W008 55.5) DIST 867 NM WC TL002 TT 088
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 863 NM WC HD001 TT 255

ONE ENGINE OUT ETP 1 FOR EINN/CYQX N54 45.9 W033 18.9 EET 04:16
 1E084/320 DESC TO FL271 CRUISE AT 1E0320 238 NM BEFORE 5440N
 PLN FUEL OVER ETP 48957 ETP FUEL REQ 18908 DIV TIME 01:54
 ETP TO EINN (N52 42.1 W008 55.5) DIST 871 NM WC TL001 TT 088
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 859 NM WC HD007 TT 255

ATC ROUTE: N0498F320 BADO4R BADOV DCT MAVOR P41 BABUS L602 VARIK DCT ROBEL
 UL602 SUPUR/N0488F360 UL602 MIMVA DCT OTBED Y70 GOLES UL975 SONEX
 L60 PENIL M144 BAGSO DCT RESNO/M084F360 DCT 55N020W
 55N030W/N0489F360 54N040W 52N050W/N0489F380 DCT TUDEP N400A MILLS
 DCT YSC DCT SYR/N0492F360 DCT GEE DCT JHW DCT YNG DCT APE DCT FLM
 DCT BWG WLDER8

ALTERNATE PLANNING

ALTN/RWY	DIST	ALT/FL	MSA	COMP	TIME	FUEL	DIFF	ROUTE
KBNA/31	182	FL290	045	HD003	00:32	4019	-	ELVIS4 EONEE DCT GHM

MOST CRITICAL MORA 8300 FT AT SYR

AWY -FIR	WAYPOINT NAME	MT	ALT	MSA	FREQ	TAS	LEG	FUEL	REM / USED	LEG	ACC
			ISA	WND/SPD	GS	REM	POSITION	ET0	ATO		
	LHBP/31R		496	046				82.5 / 0.9			
	LISZT FERENC INTL					4623	N4725.4 E01917.6/.....			
BADO4R	DE31R	308	*CLB	046		2	81.6 / 1.8	02 00.02			
	DER31R		P06	324/010		4621	N4726.7 E01915.5/.....			
BADO4R	BP640	295	*CLB	046		4	81.2 / 2.1	01 00.03			
			P05	332/012		4617	N4728.7 E01910.4/.....			
BADO4R	BP636	316	*CLB	046		14	80.3 / 3.1	02 00.05			
			P05	331/018		4603	N4739.2 E01857.5/.....			
BADO4R	BADOV	341	*CLB	071		23	79.2 / 4.2	04 00.09			
-LZBB			P04	333/025		4580	N4801.3 E01849.0/.....			
	LOWW	309	*CLB	071		29	78.2 / 5.2	04 00.13			
			P02	322/049		4551	N4821.5 E01817.1/.....			
DCT	*TOC	309	FL320	071		498	4	78.1 / 5.3	00 00.13		
			P01	341/039		464	4546	N4824.4 E01812.5/.....		
DCT	MAVOR	309	FL320	071		498	37	77.5 / 5.9	05 00.18		
-LKAA			P02	339/038		463	4510	N4849.3 E01732.3/.....		

P41	BABUS	311	FL320 045	498	13	77.2 / 6.1	02	00.20
			P02 336/038	462	4497	N4858.8 E01718.1/.....	
L602	BNO	289	FL320 076	114.45	498	26	76.8 / 6.6	03 00.23
	BRNO		P02 330/036	469	4471	N4909.0 E01641.6/.....	
	EDDP	290	FL320 044		41	76.1 / 7.3	06	00.29
			P03 305/044		4429	N4926.0 E01543.7/.....	
L602	ELMEK	289	FL320 044	498	72	74.9 / 8.5	09	00.38
			P02 301/031	467	4357	N4954.2 E01401.8/.....	
L602	DONAD	281	FL320 072	498	41	74.3 / 9.1	05	00.43
			P01 298/032	467	4316	N5004.9 E01300.0/.....	
L602	SOPGA	294	FL320 055	498	12	74.1 / 9.3	02	00.45
			P02 298/032	465	4304	N5010.6 E01243.1/.....	
L602	VARIK	294	FL320 055	498	15	73.8 / 9.6	02	00.47
	-EDUU		P02 297/033	465	4289	N5017.5 E01222.9/.....	
DCT	ROBEL	293	FL320 055	499	83	72.4 / 11.0	10	00.57
			P02 301/041	458	4206	N5053.9 E01026.1/.....	
	EDDL	293	FL320 052		22	72.1 / 11.3	03	01.00
			P02 286/051		4185	N5103.2 E00955.0/.....	
UL602	KEMAD	292	FL320 042	500	10	71.9 / 11.5	02	01.02
			P02 299/043	457	4175	N5107.4 E00940.5/.....	
UL602	*BDRY	299	FL320 042	500	24	71.5 / 11.9	03	01.05
	-EDVV		P02 298/045	456	4150	N5120.1 E00907.5/.....	
UL602	HMM	299	FL320 043	115.65	500	62	70.4 / 12.9	08 01.13
	HAMM		P03 286/045	455	4089	N5151.4 E00742.5/.....	
UL602	REBGU	293	FL320 037	500	30	69.9 / 13.5	04	01.17
			P03 277/045	456	4058	N5204.4 E00658.2/.....	
UL602	RELBI	293	FL320 022	500	6	69.8 / 13.6	01	01.18
			P03 276/045	456	4052	N5207.1 E00648.8/.....	
UL602	RKN	294	FL320 022	116.80	500	2	69.8 / 13.6	00 01.18
	-EHAA		P03 276/045	457	4050	N5208.0 E00645.8/.....	
UL602	TENLI	288	FL320 022	500	20	69.4 / 13.9	03	01.21
			P03 272/043	456	4030	N5214.8 E00615.0/.....	
UL602	FLEVO	288	FL320 024	500	25	69.0 / 14.4	03	01.24
			P03 268/043	459	4005	N5223.1 E00536.1/.....	
UL602	SPY	287	FL320 024	113.30	500	29	68.5 / 14.8	04 01.28
	SPIJKERBOOR		P03 263/044	459	3976	N5232.4 E00451.2/.....	
UL602	BERGI	304	FL320 017	499	22	68.2 / 15.2	02	01.30
			P03 260/045	465	3954	N5244.9 E00421.5/.....	
UL602	AMGOD	298	FL320 017	499	28	67.7 / 15.7	04	01.34
			P02 258/046	463	3926	N5258.5 E00341.1/.....	
UL602	SUPUR	298	*CLB 014		5	67.6 / 15.7	01	01.35
			P02 257/046		3921	N5300.9 E00333.9/.....	

UL602 -EGTT	MIMVA	298	*CLB 014 P02 258/050	11 3910	67.3 / 16.1 N5306.1 E00318.2	01/.....	01.36
	EGCC	276	FL360 016 P04 257/063	19 3891	67.0 / 16.4 N5308.2 E00246.9	03/.....	01.39
	EHAM	276	FL360 016 P05 253/063	50 3842	66.2 / 17.2 N5313.2 E00124.8	07/.....	01.46
DCT	OTBED	275	FL360 018 P04 241/052	490 50 445 3792	65.4 / 18.0 N5317.3 E00001.9	06/.....	01.52
Y70	VEGUS	297	FL360 028 P04 238/045	489 15 457 3776	65.1 / 18.3 N5324.0 W00021.2	02/.....	01.54
Y70	SIVBU	296	FL360 028 P05 236/040	489 9 464 3767	65.0 / 18.4 N5327.9 W00034.7	01/.....	01.55
Y70	GIPL0	296	FL360 028 P05 233/036	489 8 468 3759	64.9 / 18.5 N5331.5 W00047.4	02/.....	01.57
Y70	GOLES	296	FL360 036 P05 230/032	489 12 471 3747	64.7 / 18.7 N5336.5 W00105.0	01/.....	01.58
UL975	ARPUB	262	FL360 036 P05 229/033	490 6 462 3742	64.6 / 18.8 N5335.6 W00114.5	01/.....	01.59
UL975	UPTON	262	FL360 036 P05 229/033	490 2 461 3740	64.6 / 18.8 N5335.2 W00118.1	00/.....	01.59
UL975	UNIGO	261	FL360 036 P05 228/034	490 9 461 3730	64.4 / 19.0 N5333.7 W00133.7	01/.....	02.00
UL975	DESIG	261	FL360 036 P05 227/035	490 12 461 3718	64.2 / 19.2 N5331.6 W00153.6	02/.....	02.02
UL975	DENBY	261	FL360 036 P05 227/035	490 2 460 3716	64.2 / 19.2 N5331.2 W00157.7	00/.....	02.02
UL975	SONEX	261	FL360 036 P05 226/035	490 8 460 3708	64.1 / 19.3 N5329.9 W00210.4	01/.....	02.03
L60	PENIL	279	FL360 047 P06 218/034	490 54 471 3654	63.3 / 20.1 N5337.0 W00339.8	07/.....	02.10
M144	BABRA	276	FL360 047 P06 217/034	490 10 470 3644	63.1 / 20.3 N5337.7 W00356.7	01/.....	02.11
M144	GIGTO	276	FL360 048 P06 216/034	491 5 471 3639	63.0 / 20.4 N5338.0 W00405.9	01/.....	02.12
M144	UNDUX	276	FL360 048 P06 215/035	491 8 471 3631	62.9 / 20.5 N5338.5 W00418.7	01/.....	02.13
M144	SOPAX	276	FL360 048 P06 214/035	491 5 471 3626	62.8 / 20.5 N5338.8 W00427.1	01/.....	02.14
M144	RAMOX	276	FL360 048 P06 212/036	491 14 472 3612	62.6 / 20.8 N5339.6 W00450.4	01/.....	02.15
M144	OGTUG	275	FL360 048 P06 211/037	491 11 472 3601	62.5 / 20.9 N5340.2 W00508.8	02/.....	02.17
M144	BAGSO	275	FL360 017	491 13	62.3 / 21.1	01	02.18

-EISN P07 210/038 473 3589 N5340.8 W00530.0/.....

EINN 290 FL360 017 4 62.2 / 21.2 01 02.19
P10 226/032 3585 N5342.0 W00536.5/.....

DCT *BDRY 290 FL360 043 497 183 59.6 / 23.8 22 02.41
-EGGX P13 187/020 497 3402 N5429.8 W01037.8/.....

----- 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 RESNO 288 FL360 036 498 155 57.5 / 25.9 19 03.00
P14 108/009 507 3247 N5500.0 W01500.0/.....

----- ETOPS ENTRY (EINN) 0010 NM BEFORE 5520N EET 03:19 -----

DCT 5520N 277 FL360 010 495 172 55.2 / 28.2 20 03.20
55N020W P10 032/018 506 3074 N5500.0 W02000.0/.....

DCT 5530N 283 FL360 010 489 344 50.5 / 32.9 42 04.02
-CZQX 55N030W P03 031/010 496 2730 N5500.0 W03000.0/.....

*ETP 1 278 FL360 010 489 111 49.0 / 34.4 13 04.15
-EGGX EINN/CYQX P03 022/010 494 2619 N5446.6 W03311.1/.....

DCT 5440N 276 FL360 010 489 243 45.7 / 37.7 30 04.45
-CZQX 54N040W P03 358/005 491 2376 N5400.0 W04000.0/.....

----- ETOPS EXIT (CYQX) 0159 NM BEFORE 5250N EET 05:12 -----

DCT 5250N 269 *CLB 010 381 40.6 / 42.8 46 05.31
52N050W P03 243/008 1995 N5200.0 W05000.0/.....

DCT TUDEP 268 FL380 010 490 131 38.7 / 44.6 17 05.48
P05 222/015 476 1865 N5110.0 W05314.0/.....

N400A *BDRY 269 FL380 040 499 348 34.1 / 49.3 43 06.31
-CZUL P13 250/020 478 1517 N4852.8 W06131.5/.....

KBGR 262 FL380 010 78 33.0 / 50.3 10 06.41
P10 282/033 1439 N4817.3 W06316.6/.....

N400A *BDRY 261 FL380 039 499 45 32.4 / 50.9 06 06.47
-CZQM P13 275/026 478 1394 N4756.2 W06416.1/.....

N400A MILLS 260 FL380 041 499 130 30.7 / 52.7 16 07.03
P12 290/036 475 1263 N4652.4 W06702.9/.....

DCT *BDRY 264 FL380 036 499 33 30.3 / 53.1 05 07.08
-KZBW P11 291/039 472 1230 N4638.9 W06747.4/.....

DCT *BDRY 263 FL380 074 497 120 28.6 / 54.7 15 07.23
-CZUL P08 301/054 467 1110 N4547.9 W07024.6/.....

DCT YSC 260 FL380 065 113.20 495 65 27.8 / 55.6 08 07.31
SHERBROOKE P06 304/057 464 1045 N4519.0 W07147.3/.....

DCT *BDRY 252 FL380 067 493 35 27.3 / 56.1 05 07.36

-KZBW			P05	304/055	469	1010	N4500.0	W07228.9/.....
	CYYZ	251	FL380	083			113	25.8 / 57.6	14 07.50
			P01	295/045			897	N4357.1 W07439.6/.....
DCT	SYR	249	*DES	062	117.00		83	24.7 / 58.7	11 08.01
	SYRACUSE		P01	294/040			815	N4309.6 W07612.3/.....
DCT	*BDRY	267	FL360	047		494	25	24.4 / 59.0	03 08.04
-KZOB			P04	302/034	467	790		N4302.8 W07645.3/.....
DCT	GEE	266	FL360	049	108.20	494	45	23.8 / 59.6	06 08.10
	GENESE0		P04	303/027	474	745		N4250.1 W07744.0/.....
DCT	JHW	250	FL360	050	114.70	493	73	22.9 / 60.5	09 08.19
	JAMESTOWN		P05	299/020	483	672		N4211.3 W07907.3/.....
DCT	YNG	244	FL360	046	109.00	493	87	21.7 / 61.6	11 08.30
	YOUNGSTOWN		P05	307/012	489	585		N4119.9 W08040.5/.....
	KCVG	241	FL360	037			45	21.2 / 62.2	05 08.35
			P05	300/019			540	N4051.7 W08127.1/.....
DCT	*BDRY	239	FL360	035		493	25	20.8 / 62.5	03 08.38
-KZID			P06	305/010	492	515		N4035.6 W08153.1/.....
DCT	APE	239	FL360	035	116.70	494	42	20.3 / 63.1	05 08.43
	APPLETON		P06	303/010	491	473		N4009.1 W08235.3/.....
DCT	FLM	230	FL360	034	117.00	494	121	18.8 / 64.6	15 08.58
	FALMOUTH		P07	306/013	494	352		N3839.0 W08418.6/.....
DCT	*BDRY	231	FL360	037		496	119	17.3 / 66.1	14 09.12
-KZME			P08	313/025	494	234		N3714.4 W08604.1/.....
DCT	BWG	229	FL360	040	117.90	496	26	17.0 / 66.4	03 09.15
	BOWLING GREEN		P08	320/029	497	208		N3655.7 W08626.6/.....
	KMEM	246	FL360	040			27	16.6 / 66.8	04 09.19
			P08	318/032			180	N3642.5 W08656.5/.....
WLDER8	*TOD	245	FL360	040		496	60	15.9 / 67.5	07 09.26
			P08	338/041	500	120		N3613.0 W08801.7/.....
WLDER8	AXXEL	243	*DES	025			17	15.8 / 67.5	02 09.28
			P09	343/033			103	N3604.4 W08820.3/.....
WLDER8	SPKER	243	*DES	027			41	15.7 / 67.7	06 09.34
			P13	350/018			61	N3543.8 W08904.2/.....
WLDER8	WLDER	229	*DES	026			15	15.7 / 67.8	03 09.37
			P12	348/011			46	N3533.5 W08917.6/.....
WLDER8	LTOWN	228	*DES	026			4	15.6 / 67.8	01 09.38
			P12	347/009			42	N3530.7 W08921.1/.....
WLDER8	KMEM/18L	230	341	026			42	15.1 / 68.3	11 09.49
	MEMPHIS INTL							N3502.9 W08958.4/.....

WIND INFORMATION - OBS 04/AUG 06:00

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(CLIMB)           MAVOR           ELMEK           ROBEL
FL310 337/037 -45 FL360 331/041 -54 FL360 301/035 -55 FL360 303/046 -54
FL250 334/028 -31 FL340 338/042 -51 FL340 299/033 -52 FL340 304/046 -51
FL180 328/022 -15 FL320 339/039 -47 FL320 302/031 -47 FL320 302/041 -46
FL120 329/016 -4  FL300 340/036 -42 FL300 304/030 -42 FL300 300/036 -41
 6000 324/012 +8  FL280 338/033 -38 FL280 305/029 -37 FL280 297/033 -37

HMM             SPY             OTBED           PENIL
FL360 287/051 -54 FL360 267/051 -54 FL400 244/040 -53 FL400 226/031 -49
FL340 287/051 -51 FL340 266/051 -50 FL380 243/046 -53 FL380 222/033 -50
FL320 286/046 -46 FL320 264/045 -46 FL360 241/053 -52 FL360 218/035 -51
FL300 286/040 -40 FL300 260/038 -40 FL340 240/060 -51 FL340 214/036 -52
FL280 283/036 -36 FL280 258/036 -36 FL320 239/053 -47 FL320 213/035 -48

RESNO           5520N           5530N           5440N
FL400 177/004 -43 FL400 017/008 -45 FL400 006/006 -50 FL400 350/006 -51
FL380 144/005 -43 FL380 026/012 -45 FL380 018/008 -51 FL380 359/005 -52
FL360 109/009 -43 FL360 033/019 -46 FL360 031/010 -53 FL360 358/005 -53
FL340 096/015 -43 FL340 036/026 -48 FL340 039/013 -54 FL340 358/005 -54
FL320 086/029 -44 FL320 034/033 -47 FL320 040/013 -50 FL320 353/005 -50

TUDEP           MILLS           YSC             GEE
FL420 230/013 -49 FL420 288/032 -46 FL420 297/046 -51 FL400 289/032 -56
FL400 228/014 -50 FL400 289/034 -45 FL400 301/052 -51 FL380 295/031 -55
FL380 222/015 -51 FL380 290/036 -45 FL380 305/057 -51 FL360 303/027 -52
FL360 211/017 -53 FL360 290/039 -46 FL360 311/061 -50 FL340 315/024 -49
FL340 201/019 -54 FL340 290/042 -48 FL340 317/066 -49 FL320 316/024 -43

YNG             APE             FLM             (DESCENT)
FL400 280/018 -55 FL400 283/015 -55 FL400 297/018 -53 FL350 330/027 -45
FL380 290/015 -54 FL380 293/012 -53 FL380 303/017 -52 FL280 333/018 -31
FL360 308/013 -51 FL360 304/010 -51 FL360 306/014 -50 FL210 323/012 -15
FL340 334/012 -48 FL340 321/009 -48 FL340 312/010 -47 14000 315/008 -1
FL320 342/010 -43 FL320 333/008 -43 FL320 317/008 -42  7000 000/004 +12
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END FLIGHTPLAN 03321 TCC312C PJTGE LHBP-KMEM 04AUG2019

[ATC FLIGHTPLAN]

(FPL-TCC312C-IS
-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2
-LHBP1940
-N0498F320 BADOV DCT MAVOR P41 BABUS L602 VARIK DCT ROBEL UL602
SUPUR/N0488F360 UL602 MIMVA DCT OTBED Y70 GOLES UL975 SONEX L60
PENIL M144 BAGSO DCT RESNO/M084F360 DCT 55N020W
55N030W/N0489F360 54N040W 52N050W/N0489F380 DCT TUDEP N400A
MIILS DCT YSC DCT SYR/N0492F360 DCT GEE DCT JHW DCT YNG DCT APE
DCT FLM DCT BWG WLDER8
-KMEM0949 KBNA
-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/190804 REG/PJTGE
EET/LZBB0009 LKAA0018 EDUU0047 EDVV0105 EHAA0118 EGT0136
EISN0218 EGGX0241 RESNO0300 55N020W0320 CZQX0402 54N040W0445
52N050W0531 CZUL0631 CZQM0647 KZBW0708 CZUL0723 KZBW0736
KZOB0804 KZID0838 KZME0912
SEL/EGAP CODE/484DC7 RVR/75 OPR/TRADEWIND CARIBBEAN
ORGN/TNCCTCAP PER/C
RALT/CYQX EINN
RMK/TCAS
-E/1212)

[PLANNING WEATHER]

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

UTC +02:00

LHBP 041630Z 30010KT CAVOK 25/10 Q1014 NOSIG
LHBP 041115Z 0412/0512 32007KT CAVOK
BECMG 0414/0416 VRB03KT
BECMG 0507/0509 25006KT

DESTINATION: KMEM/MEM (MEMPHIS INTL, UNITED STATES)

UTC -05:00

KMEM 041554Z 02007KT 360V090 10SM FEW026 FEW200 31/23 A3000 RMK A02 SLP152
T03060233
KMEM 041137Z 0412/0518 12003KT P6SM VCSH FEW120 BKN250
FM041300 VRB03KT P6SM SCT250
FM041900 02007KT P6SM VCTS SCT045CB BKN250
FM050100 06005KT P6SM FEW050 BKN200
FM050900 06003KT 6SM BR FEW250

ALTERNATE: KBNA/BNA (NASHVILLE INTL, UNITED STATES)

UTC -05:00

KBNA 041553Z VRB03KT 10SM FEW035 SCT140 SCT160 BKN250 28/21 A3003 RMK A02
SLP163 T02780211
KBNA 041143Z 0412/0512 00000KT P6SM BKN150
FM042100 06008KT P6SM VCTS BKN050CB
FM050100 05004KT P6SM BKN100

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

UTC -02:30

CYQX 041600Z 19019G25KT 20SM SCT060 BKN160 OVC230 25/10 A2982 RMK
CU3AC3CI2 SUN DMLY VISBL SLP099 DENSITY ALT 1900FT
CYQX 041139Z 0412/0512 08005KT P6SM FEW005 BKN070
BECMG 0412/0414 19012G22KT
BECMG 0416/0418 19015G25KT
FM042200 21012G22KT P6SM BKN050
TEMPO 0422/0503 P6SM -SHRA
PROB30 0422/0503 2SM TSRA BR BKN020 OVC050CB
FM050300 21010KT P6SM BKN020
FM050700 21010KT 6SM -SHRA BR OVC010
PROB30 0507/0512 2SM TSRA BR BKN008 OVC010CB
RMK NXT FCST BY 041800Z

EDTO AIRPORT: EINN/SNN (SHANNON, IRELAND)

UTC +01:00

EINN 041630Z 17006KT 2000 +SHRA FEW008 SCT012 BKN018CB 16/15 Q1004 TEMPO
4000 BKN006
AMD EINN 041246Z 0412/0512 16013KT 9999 SCT012 BKN025
TEMPO 0413/0416 20015G25KT
TEMPO 0413/0419 4000 SHRA BKN010 BKN018CB
PROB40 TEMPO 0415/0418 3000 TSRA BKN006
BECMG 0416/0418 25008KT
BECMG 0421/0423 18008KT
BECMG 0509/0511 21012KT
TEMPO 0509/0512 -SHRA SCT018CB

ADEQUATE: LOWW/VIE (SCHWECHAT, AUSTRIA)

UTC +02:00

LOWW 041620Z 33007KT 300V020 CAVOK 25/08 Q1015 NOSIG
LOWW 041415Z 0415/0521 30005KT CAVOK TX27/0514Z TN12/0503Z
TEMPO 0415/0417 36010KT 9999 SCT060 FEW060TCU
BECMG 0418/0420 19004KT

ADEQUATE: EDDP/LEJ (LEIPZIG-HALLE, GERMANY)

UTC +02:00

EDDP 041620Z 03003KT 320V090 CAVOK 25/12 Q1014 NOSIG
EDDP 041100Z 0412/0512 30006KT 9999 SCT035
BECMG 0418/0421 15004KT
BECMG 0506/0508 22006KT

ADEQUATE: EDDL/DUS (DUESSELDORF, GERMANY)

UTC +02:00

EDDL 041620Z VRB04KT CAVOK 28/11 Q1013 NOSIG
EDDL 041100Z 0412/0518 VRB03KT CAVOK
BECMG 0500/0503 16007KT
BECMG 0505/0508 24010KT

ADEQUATE: EHAM/AMS (SCHIPHOL, NETHERLANDS)

UTC +02:00

EHAM 041625Z 11004KT 060V170 9999 FEW040 24/15 Q1013 NOSIG
EHAM 041100Z 0412/0518 17005KT 9999 SCT030
BECMG 0415/0418 07006KT
BECMG 0421/0424 13005KT
PROB30 TEMPO 0422/0506 7000 -RA
BECMG 0506/0509 25012KT

ADEQUATE: EGCC/MAN (MANCHESTER, UNITED KINGDOM)

UTC +01:00

EGCC 041620Z 19007KT 140V230 9999 FEW034CB 23/16 Q1009 TEMPO SHRA
AMD EGCC 041411Z 0414/0518 15005KT 9999 SCT045
TEMPO 0414/0421 6000 SHRA
PROB30 TEMPO 0415/0421 3000 +SHRA TSGS
TEMPO 0500/0506 6000 RA BKN014
PROB30 TEMPO 0500/0505 3000 +SHRA BKN009
BECMG 0505/0508 24012KT

ADEQUATE: KBGR/BGR (BANGOR INTL, UNITED STATES)

UTC -04:00

KBGR 041553Z 33009KT 10SM SCT050 BKN120 BKN200 24/12 A2987 RMK A02 SLP112
T02390122
KBGR 041132Z 0412/0512 33008KT P6SM SCT060
FM041500 33010G18KT P6SM SCT060
FM050000 32006KT P6SM SCT250

ADEQUATE: CYYZ/YYZ (LESTER B PEARSON INTL, CANADA)

UTC -04:00

CYYZ 041600Z 16013G18KT 15SM FEW030 FEW080 25/12 A3003 RMK CU2AC1 AC TR
SLP170 DENSITY ALT 1700FT

CYYZ 041438Z 0415/0518 09008KT P6SM FEW080

BECMG 0416/0418 16008G18KT

FM050000 01005KT P6SM SCT060

FM051500 16008G18KT P6SM SCT040

RMK NXT FCST BY 041800Z

ADEQUATE: KCVG/CVG (CINCINNATI/NORTHERN KY INTL, UNITED STATES)

UTC -04:00

KCVG 041552Z VRB03KT 10SM FEW150 SCT200 29/13 A3006 RMK A02 SLP167
T02940128

KCVG 041441Z 0415/0518 03004KT P6SM SCT200

FM050100 VRB02KT P6SM FEW050 SCT150

FM051300 25005KT P6SM SCT050

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/3 TRACKS FLS 310/390 INCLUSIVE
AUG 04/1130Z TO AUG 04/1900Z
PART ONE OF THREE PARTS-

A ERAKA 60/20 60/30 60/40 59/50 AVUTI
EAST LVLS NIL
WEST LVLS 310 320 330 350 360 370
EUR RTS WEST NIL
NAR NIL-

B GOMUP 59/20 59/30 59/40 58/50 CUDDY
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 310/390 INCLUSIVE
AUG 04/1130Z TO AUG 04/1900Z
PART TWO OF THREE PARTS-

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

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

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

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

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 310/390 INCLUSIVE
AUG 04/1130Z TO AUG 04/1900Z
PART THREE OF THREE PARTS-

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

REMARKS.

1. TMI IS 216 AND OPERATORS ARE REMINDED TO INCLUDE THE TMI NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
2. FOR WESTBOUND TRACK QUERIES CONTACT EGGX ON +44 01294 655141.
3. ALL ADSC CPDLC EQUIPPED FLIGHTS NOT LOGGED ON TO A DOMESTIC ATSU PRIOR TO ENTERING THE SHANWICK OCA MUST INITIATE A FANS LOGON TO EGGX BETWEEN 10 AND 25 MINUTES PRIOR TO OCA ENTRY. FAILURE TO DO SO MAY RESULT IN A LATE RE-CLEARANCE.
4. OPERATORS ARE REMINDED THAT ADS-C AND CPDLC IS MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
5. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS
TRACK D
TRACK E
TRACK F
END OF PBCS OTS
6. FOR STRATEGIC LATERAL OFFSET AND CONTINGENCY PROCEDURES FOR OPS IN NAT FLOW REFER TO NAT PROGRAMME COORDINATION WEBSITE
WWW.PARIS.ICAO.INT.
SLOP SHOULD BE STANDARD PROCEDURE, NOT JUST FOR AVOIDING WX/TURB.
7. 80 PERCENT OF GROSS NAVIGATION ERRORS RESULT FROM POOR COCKPIT PROCEDURES. CONDUCT EFFECTIVE WAYPOINT CHECKS.
8. OPERATORS ARE REMINDED THAT CLEARANCES MAY DIFFER FROM THE FLIGHT PLAN, FLY THE CLEARANCE.
9. FLIGHTS REQUESTING WESTBOUND OCEANIC CLEARANCE VIA ORCA DATALINK SHALL INCLUDE IN RMK/ FIELD THE HIGHEST ACCEPTABLE FLIGHT LEVEL WHICH CAN BE MAINTAINED AT OAC ENTRY POINT.-

END OF PART THREE OF THREE PARTS)

(NAT-1/3 TRACKS FLS 320/400 INCLUSIVE
AUG 05/0100Z TO AUG 05/0800Z
PART ONE OF THREE PARTS-

R JOOPY 49/50 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 N269A N277A-

S MUSAK 4830/50 4930/40 5030/30 5130/20 ADARA LEKVA
EAST LVLS 350 360 370 380 390
WEST LVLS NIL
EUR RTS EAST NIL
NAR N237A N233A-

T NICSO 48/50 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 N211E N201B-

U OMSAT 4730/50 4830/40 4930/30 5030/20 RODEL EPUNA
EAST LVLS 350 360 370 380 390
WEST LVLS NIL
EUR RTS EAST NIL
NAR N183A N171D-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 320/400 INCLUSIVE
AUG 05/0100Z TO AUG 05/0800Z
PART TWO OF THREE PARTS-

V PORTI 47/50 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 N155A N139A-

W SUPRY 46/50 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 N93A N75A-

X RAFIN 45/50 46/40 47/30 48/20 48/15 OMOKO GUNSO
EAST LVLS 320 330 350 360 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N59C N45D-

Y DOVEY 42/60 44/50 44/40
EAST LVLS 330 350 370 390
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 320/400 INCLUSIVE
AUG 05/0100Z TO AUG 05/0800Z
PART THREE OF THREE PARTS-

Z SOORY 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-

REMARKS:

- 1.TMI IS 217 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 R
TRACK S
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

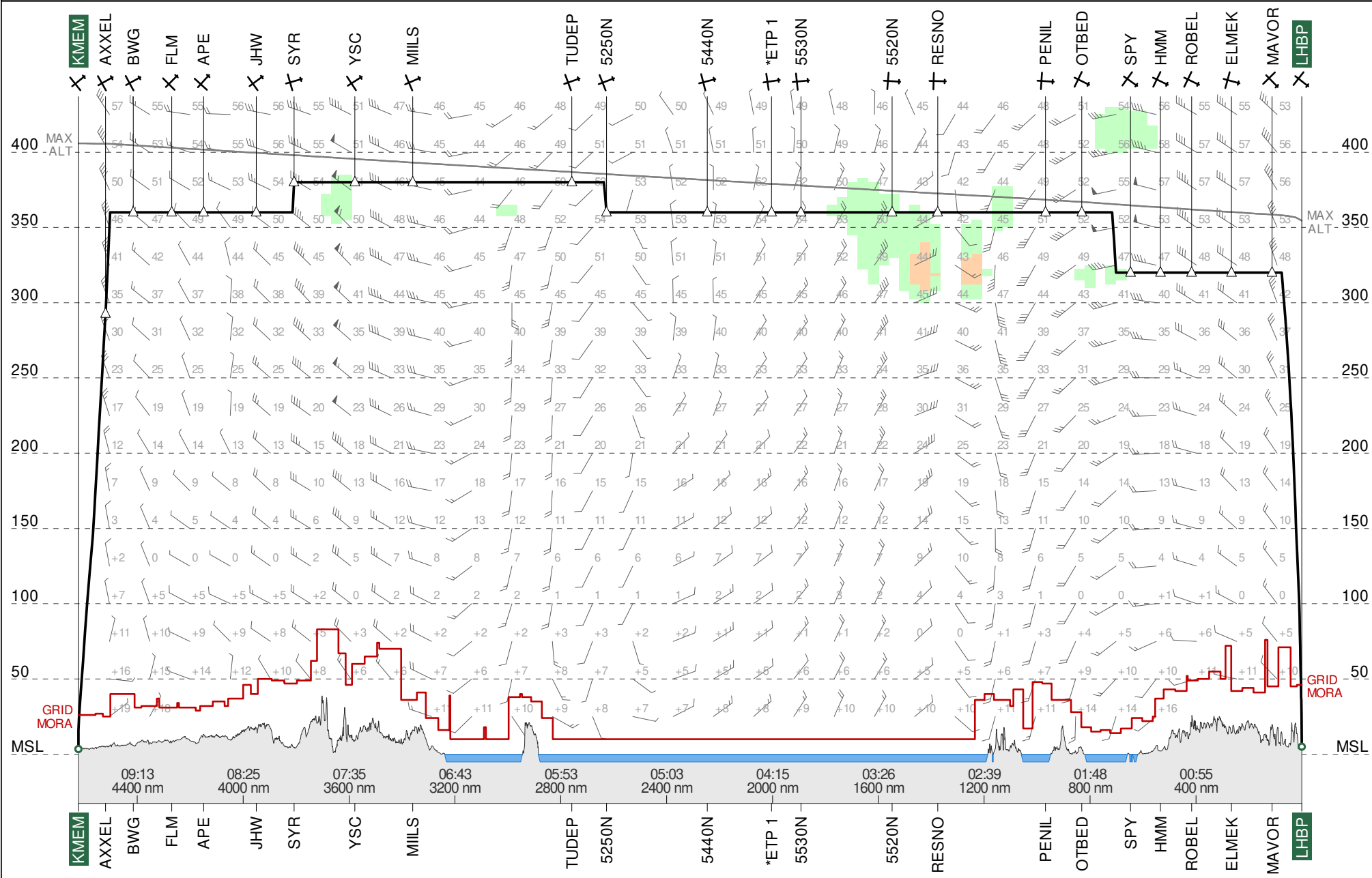
OR WITH ROUTES AS CONTAINED IN THE DAILY BOSTON ADVISORY.
8.FL320 EXPIRES AT 0600Z AT 30W ON TRACKS X AND Z.
9.OPERATORS ARE REMINDED TO CHECK NOTAMS 190188 OR A2882/19 FOR
FLIGHT PLANNING
RESTRICTIONS. -

END OF PART THREE OF THREE PARTS)

TR312C #2

KMEM ← LHBP

ETD 04 Aug 19:40z
PJTGE B77L



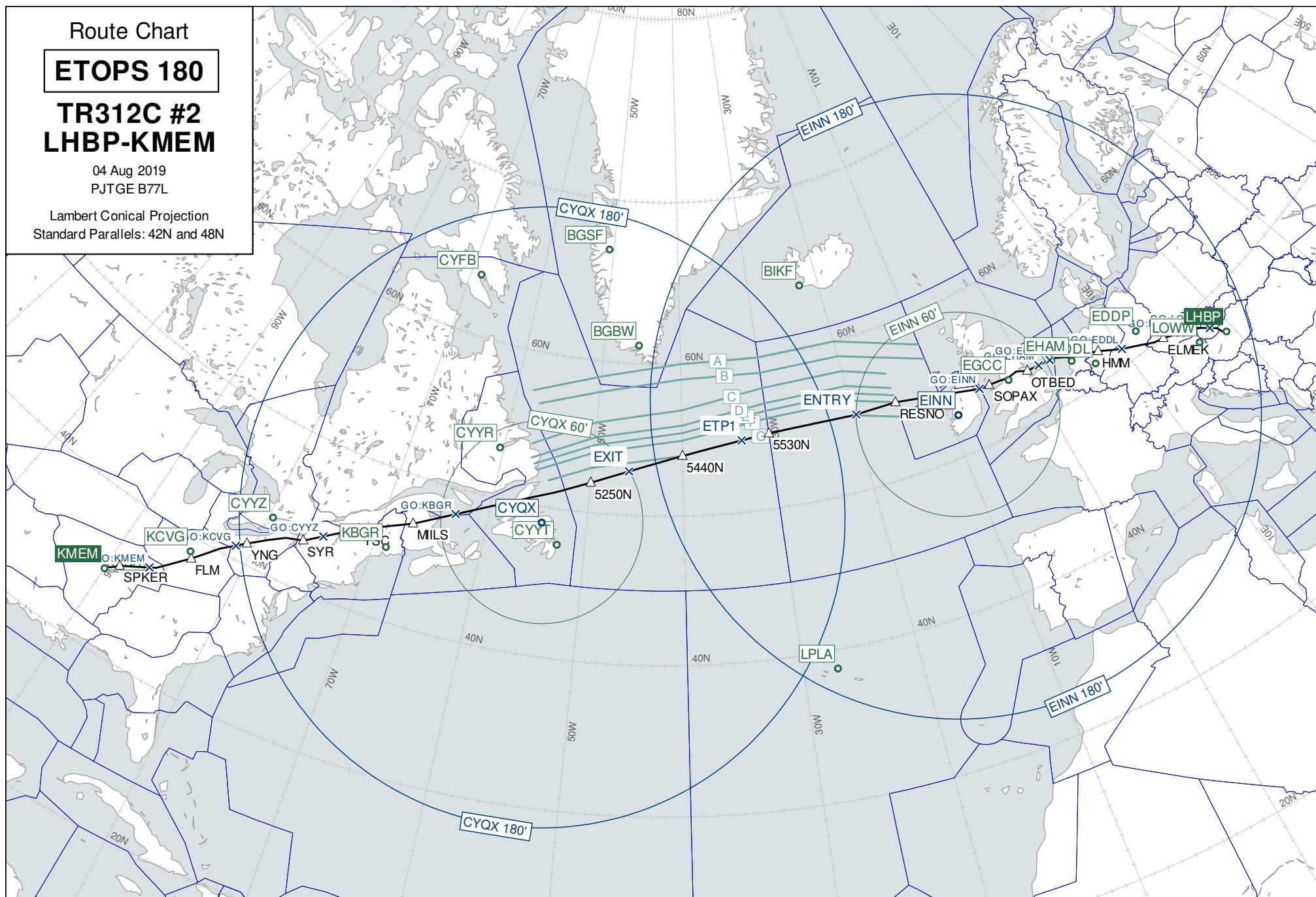
Route Chart

ETOPS 180

TR312C #2 LHBP-KMEM

04 Aug 2019
PJTGE B77L

Lambert Conical Projection
Standard Parallels: 42N and 48N



Wind Chart

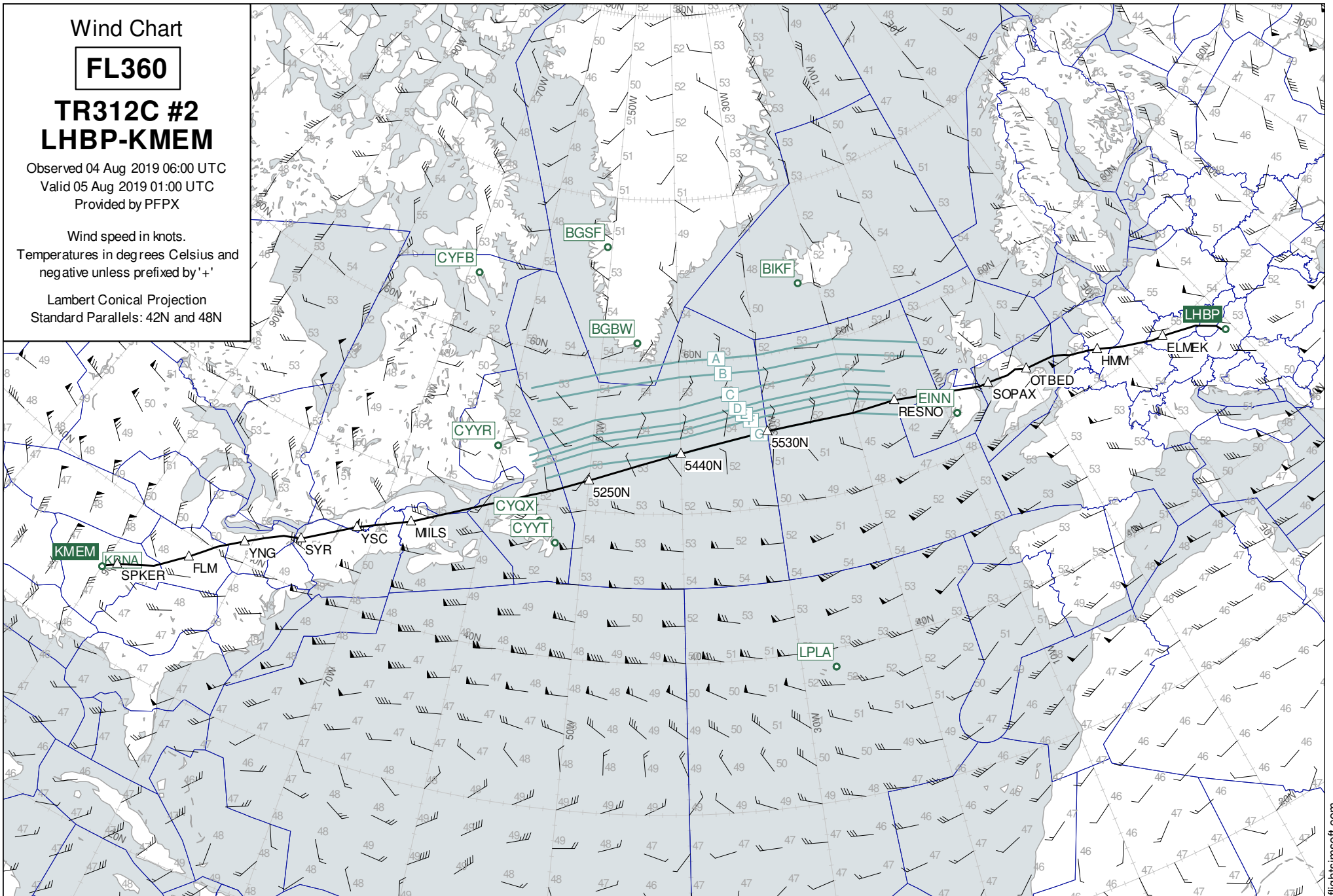
FL360

TR312C #2 LHBP-KMEM

Observed 04 Aug 2019 06:00 UTC
Valid 05 Aug 2019 01:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 42N and 48N



Wind Chart

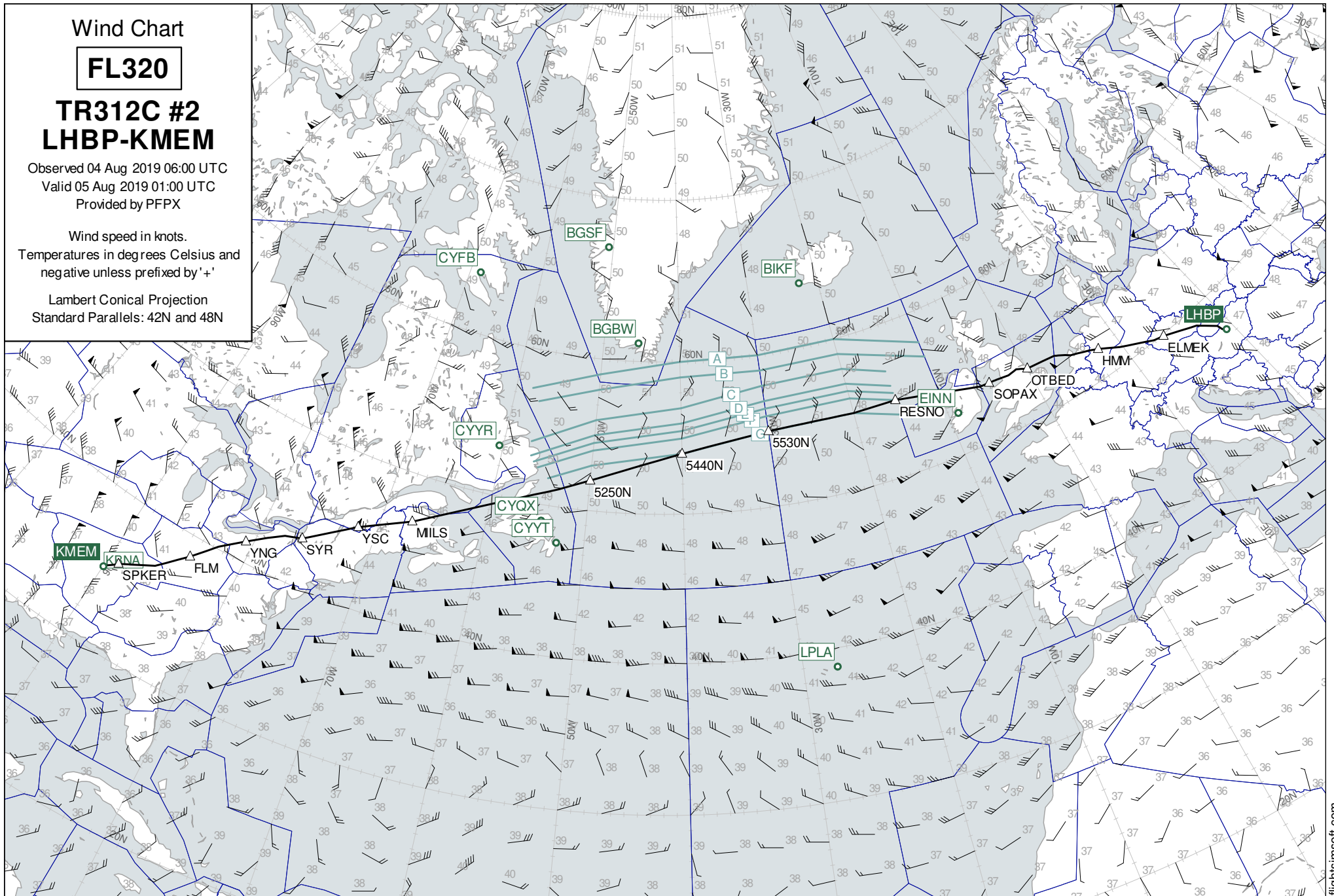
FL320

TR312C #2 LHBP-KMEM

Observed 04 Aug 2019 06:00 UTC
Valid 05 Aug 2019 01:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 42N and 48N



Wind Chart

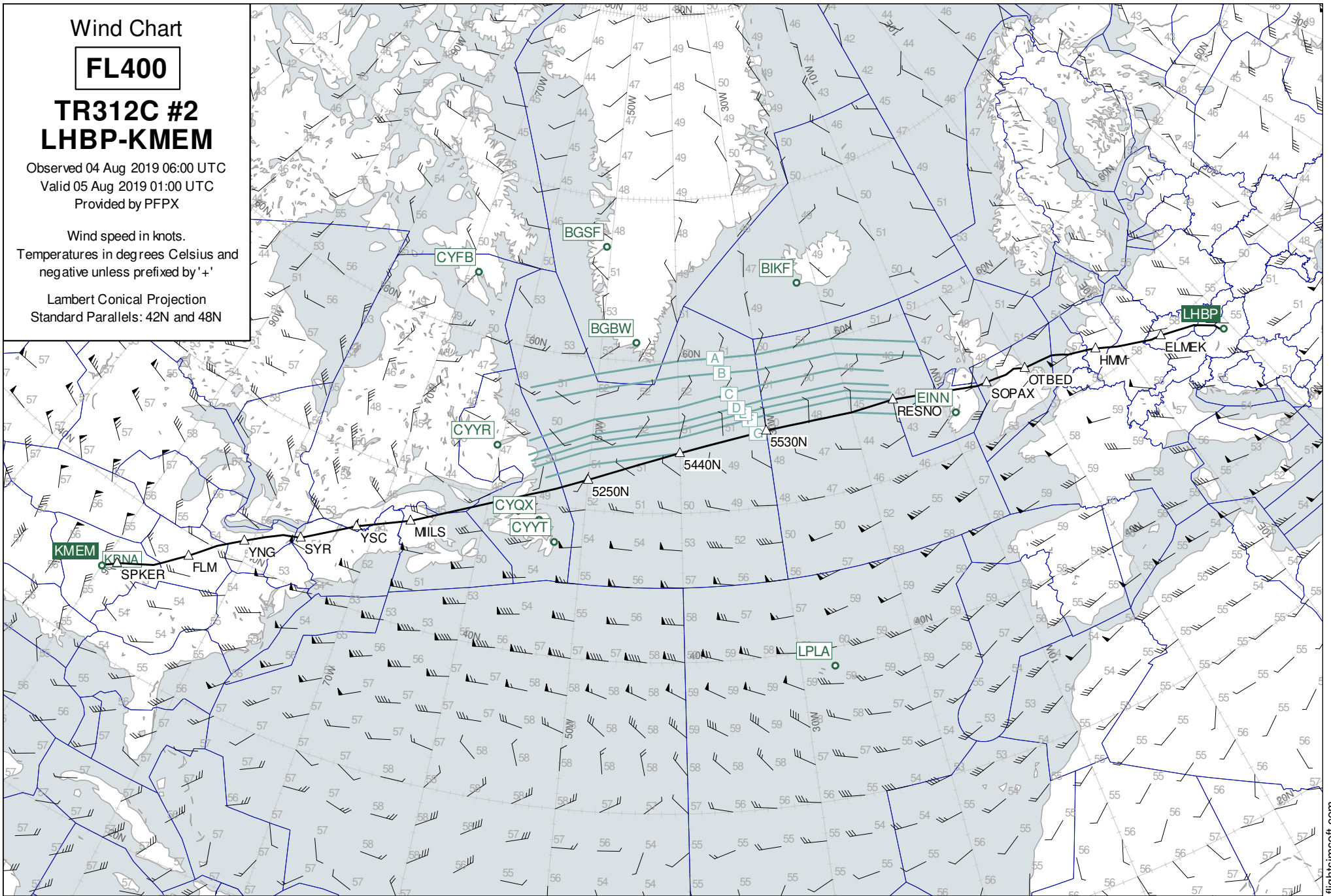
FL400

TR312C #2 LHBP-KMEM

Observed 04 Aug 2019 06:00 UTC
Valid 05 Aug 2019 01:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 42N and 48N



Destination Area

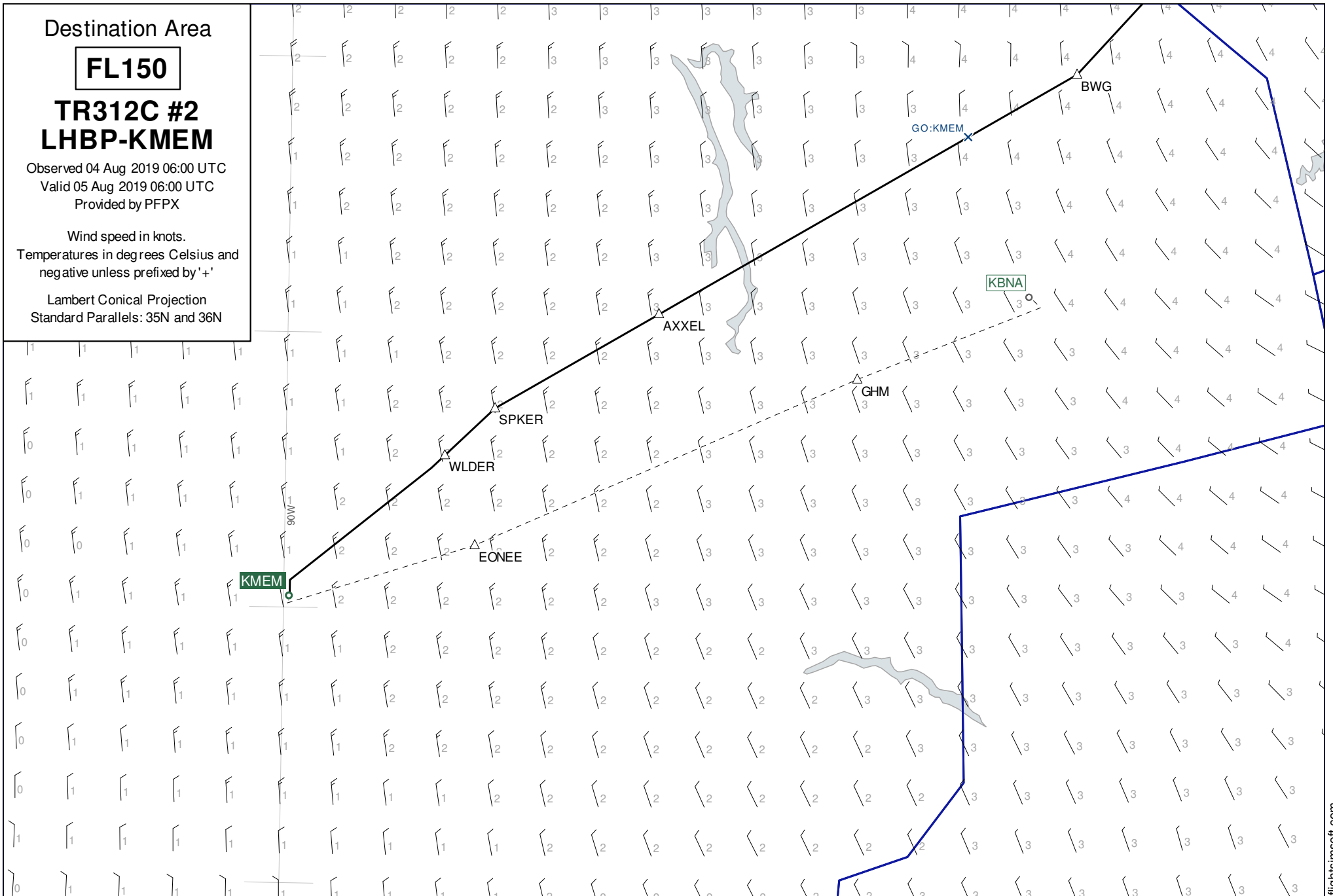
FL150

TR312C #2
LHBP-KMEM

Observed 04 Aug 2019 06:00 UTC
Valid 05 Aug 2019 06:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 35N and 36N



Plotting Chart TR312C #2 LHBP-KMEM

04 Aug 2019
PJTGE B77L

Lambert Conical Projection
Standard Parallels: 51N and 53N

