Tradewind VA

Flight Briefing Package

TCC412D LHBP-KMEM

05-Aug-2019 #1

RELEASE #1

LISZT FERENC INTL
(HUNGARY)
-
MEMPHIS INTL
(UNITED STATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)
CHRISTIAN@TCA-CHARTER.DE
05 AUG 0640 UTC

Fuel Planning (lb)	**EU-OPS**	**Fuel**	**Time**
TRIP		112.894	09:56
CONT 5%		5.645	00:39
HOLD	KMEM	2.921	00:20
ALTN	KBNA	6.699	00:33
FINAL RESV		4.376	00:30
ADD FUEL		1.952	00:12
MIN T/O		134.487	12:10
EXTRA		2.191	00:15
TAXI		901	00:17
RELEASE	LHBP	137.579	12:42
ARR FUEL	KMEM	22.830	02:10

Load Planning (lb)	**N78901**	**Plan**	**Limit**
Empty Weight		288.021	
Payload	251+0 Pax	52.208	
Zero Fuel Weight	Limit	340.229	400.000
Fuel		137.579	218.676
Ramp Weight		477.808	547.000
Take-Off Weight LHBP		476.907	545.000
Landing Weight KMEM		364.013	425.000
Underload		59.771	Lim ZFW
Max Extra Fuel		60.987	Lim CAP

Cost Planning		
Flight Time	09:56	$ 49.678
Fuel	114.749	$ 77.301
Total		$ 126.979
Per Pax		$ 506
Per 10.000 lb Payload		$ 24.322

TRADEWIND ALASKA FLIGHTPLAN - IFR TCC412D N78901 LHBP-KMEM

ALL WEIGHTS IN POUNDS (LB) STD 05AUG/0800Z

OFP 1 - PREPARED 05AUG/0640Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR412D/TCC412D N78901/B789-1B74-75 SEL/AHBF ROUTE: LHBPKMEM10

DEP: LHBP/BUD 31R ELEV 496 FT COST INDEX: 200 TTL G/C DIST: 4575 NM
ARR: KMEM/MEM 18L ELEV 341 FT INIT ALT: FL360 TTL F/P DIST: 4723 NM
FUEL BIAS: 100.0% TTL AIR DIST: 4825 NM
AVG WIND CMP: HD010 KT
ALT: KBNA/BNA 31 ELEV 599 FT 182 NM

CONFIG	**DOW**	**PAX**	**CARGO**	**TOTAL**	**ULOAD LIM**		**ZFW**	**TOW**	**LDW**
STANDARD	288021	251	0	52208	59771 ZFW	**MAX**	400000	545000	425000
						PLN	340229	476907	364013
						ACT	.....	.....	.....

	FUEL	**CORR**	**ENDUR**
TRIP	112894	.....	09:56
CONT 5%	5645	.....	00:39
ALTN KBNA	6699	.....	00:33
FINAL RESV	4376	.....	00:30
HOLD	2921	.....	00:20
ADD FUEL	1952	.....	00:12
MIN T/O	**134487**	.....	12:10
EXTRA	2191	.....	00:15
TAXI	901	.....	00:17
RELEASE	**137579**	.....	12:42
ARR FUEL	22830	.....	02:10

..... CAPTAINS SIGNATURE (....)

I ACCEPT THIS OFP AND I AM FAMILIAR WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 218676 LB / MAX EXTRA FUEL 63178 LB LIM BY CAPACITY
TRIP CORR FOR 10000 LB TOW INCR: +1793 LB / 10000 LB TOW DECR: -2075 LB
2000 FT LOWER: +1648 LB / EET 09:51 CLB: 250/310/85 DES: 85/310/250

LHBP **STD** 08:00Z/10:00L **ETD** 08:00Z ACT OFBL .... **EST T/O** 08:17Z ACT T/O ....
KMEM **STA** 18:45Z/13:45L **ETA** 18:31Z ACT ONBL .... **EST LDG** 18:13Z ACT LDG ....
SKD 10:45 **PLN** 10:31 TTL BLCK .... **EST FLT** 09:56 TTL FLT ....

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (EINN) 246 NM BEFORE 5730N N56 20.9 W022 38.5 EET 03:44
ETOPS EXIT (CYQX) 149 NM BEFORE 5550N N55 55.9 W045 57.7 EET 05:18

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD
EINN (13:23-15:28)
CYQX (15:00-15:28)

ONE ENG OUT DECMP ETP 1 FOR EINN/CYQX N57 05.7 W033 51.3 EET 04:29
1EO 90/360 DESC TO FL100 CRUISE AT 1EOLRC 201 NM BEFORE 5740N
PLN FUEL OVER ETP 78491 ETP FUEL REQ 32388 DIV TIME 02:42
ETP TO EINN (N52 42.1 W008 55.5) DIST 895 NM WC TL003 TT 097
ETP TO CYQX (N48 56.2 W054 34.1) DIST 890 NM WC 0 TT 245

ALL ENG DECMP ETP 1 FOR EINN/CYQX N57 05.7 W033 51.3 EET 04:29
90/360 DESC TO FL100 CRUISE AT LRC 201 NM BEFORE 5740N
PLN FUEL OVER ETP 78491 ETP FUEL REQ 32376 DIV TIME 02:35

ETP TO EINN (N52 42.1 W008 55.5)   DIST 895 NM   WC TL003   TT 097
ETP TO CYQX (N48 56.2 W054 34.1)   DIST 890 NM   WC 0   TT 245

ONE ENG OUT ETP 1 FOR EINN/CYQX   N57 05.8 W034 07.9   EET 04:30
1EO 85/310/250 DESC TO FL235 CRUISE AT 1EOLRC   192 NM BEFORE 5740N
PLN FUEL OVER ETP 78289   ETP FUEL REQ 28980   DIV TIME 02:18
ETP TO EINN (N52 42.1 W008 55.5)   DIST 904 NM   WC TL009   TT 096
ETP TO CYQX (N48 56.2 W054 34.1)   DIST 882 NM   WC HD003   TT 245

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ATC ROUTE: N0491F360 BADO4R BADOV DCT MAVOR P41 BABUS L602 VARIK DCT ROBEL
UL602 SUPUR UP1 GODOS P1 RODSI P58 FINDO DCT AMLAD/M085F380 DCT
RESNO/M085F370 NATF 55N050W/M085F380 NATF LOMSI N520A YRI/N0493F400
J563 YSC DCT SYR DCT GEE DCT JHW DCT YNG DCT APE DCT FLM/N0483F430
DCT BWG WLDER8

ALTERNATE PLANNING

ALTN/RWY	DIST	ALT/FL	MSA	COMP	TIME	FUEL	DIFF	ROUTE
KBNA/31	182	FL270	045	HD002	00:33	6699	-	ELVIS4 EONEE DCT GHM

MOST CRITICAL MORA 8300 FT AT SYR

AWY -FIR	WAYPOINT NAME	MT	ALT ISA	MSA WND/SPD	FREQ	TAS GS	LEG REM	FUEL REM / USED POSITION	LEG ETO / ATO	ACC
	LHBP/31R	496	046					136.7 / 0.9		
	LISZT FERENC INTL					4723		N4725.4 E01917.6	.....|	
BADO4R	**DE31R**	308	*CLB	046		2		136.0 / 1.6	01	00.01
	DER31R			P07	277/007	4721		N4726.7 E01915.5	.....|	
BADO4R	**BP640**	295	*CLB	046		4		135.1 / 2.5	01	00.02
				P06	287/009	4717		N4728.7 E01910.4	.....|	
BADO4R	**BP636**	316	*CLB	046		14		133.5 / 4.1	03	00.05
				P05	314/015	4704		N4739.2 E01857.5	.....|	
BADO4R	**BADOV**	341	*CLB	071		23		131.7 / 5.9	04	00.09
-LZBB				P06	317/024	4681		N4801.3 E01849.0	.....|	
	LOWW	309	*CLB	071		21		130.3 / 7.2	03	00.12
				P06	307/038	4659		N4816.0 E01825.8	.....|	
DCT	**MAVOR**	309	*CLB	071		49		127.9 / 9.7	07	00.19
-LKAA				P01	316/048	4611		N4849.3 E01732.3	.....|	
P41	**BABUS**	311	*CLB	045		13		127.4 / 10.2	02	00.21
				P02	317/052	4597		N4858.8 E01718.1	.....|	
L602	***TOC**	289	FL360	045		491	2	127.3 / 10.3	00	00.21
				P02	316/053	442	4595	N4859.7 E01714.9	.....|	
L602	**BNO**	289	FL360	076	**114.45**	491	24	126.6 / 10.9	03	00.24
	BRNO			P02	316/056	442	4571	N4909.0 E01641.6	.....|	
	EDDP	290	FL360	044		43		125.4 / 12.2	06	00.30
				P03	302/066	4528		N4926.8 E01540.9	.....|	
L602	**ELMEK**	289	FL360	044		492	70	123.5 / 14.1	10	00.40
				P02	301/057	436	4458	N4954.2 E01401.8	.....|	

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L602     DONAD     281  FL360 072         492   41     122.3 /  15.2   05  00.45
                            P02 295/054 438 4417  N5004.9 E01300.0 ...../.....

L602     SOPGA     294  FL360 055         492   12     122.0 /  15.6   02  00.47
                            P02 294/055 437 4404  N5010.6 E01243.1 ...../.....

L602     VARIK     294  FL360 055         492   15     121.6 /  16.0   02  00.49
-EDUU                       P02 292/055 437 4390  N5017.5 E01222.9 ...../.....

DCT      ROBEL     293  FL360 055         493   83     119.3 /  18.3   12  01.01
                            P03 290/067 427 4307  N5053.9 E01026.1 ...../.....

         EDDL      293  FL360 052               22     118.7 /  18.9   03  01.04
                            P03 273/070     4285  N5103.2 E00955.0 ...../.....

UL602    KEMAD     292  FL360 042         493   10     118.4 /  19.2   01  01.05
                            P03 288/071 423 4275  N5107.4 E00940.5 ...../.....

UL602    *BDRY     299  FL360 042         493   24     117.7 /  19.9   03  01.08
-EDVV                       P03 285/072 424 4251  N5120.1 E00907.5 ...../.....

UL602    HMM       299  FL360 043 115.65  494   62     116.0 /  21.6   09  01.17
         HAMM              P03 276/077 423 4189  N5151.4 E00742.5 ...../.....

UL602    REBGU     293  FL360 037         494   30     115.1 /  22.5   05  01.22
                            P03 272/080 418 4159  N5204.4 E00658.2 ...../.....

UL602    RELBI     293  FL360 022         494    6     114.9 /  22.7   00  01.22
                            P03 271/080 418 4153  N5207.1 E00648.8 ...../.....

UL602    RKN       294  FL360 022 116.80  494    2     114.8 /  22.7   01  01.23
-EHAA    REKKEN            P03 271/080 420 4151  N5208.0 E00645.8 ...../.....

UL602    TENLI     288  FL360 022         494   20     114.3 /  23.3   03  01.26
                            P03 269/079 417 4131  N5214.8 E00615.0 ...../.....

UL602    FLEVO     288  FL360 024         494   25     113.5 /  24.0   03  01.29
                            P03 266/079 420 4105  N5223.1 E00536.1 ...../.....

UL602    SPY       287  FL360 024 113.30  495   29     112.7 /  24.9   04  01.33
         SPIJKERBOOR       P03 263/078 422 4076  N5232.4 E00451.2 ...../.....

         EHAM      304  FL360 017               5     112.6 /  25.0   01  01.34
                            P03 261/076     4071  N5235.3 E00444.4 ...../.....

UL602    BERGI     304  FL360 017         495   17     112.1 /  25.5   02  01.36
                            P04 261/077 433 4054  N5244.9 E00421.5 ...../.....

UL602    AMGOD     298  FL360 017         495   28     111.3 /  26.2   04  01.40
                            P04 258/076 434 4026  N5258.5 E00341.1 ...../.....

UL602    SUPUR     298  FL360 014         495    5     111.2 /  26.4   01  01.41
                            P04 258/076 434 4021  N5300.9 E00333.9 ...../.....

UP1      GODOS     340  FL360 014         495   15     110.8 /  26.7   02  01.43
-EGTT                       P04 257/072 479 4007  N5315.0 E00325.8 ...../.....

P1       BINBO     340  FL360 014         495   10     110.6 /  27.0   01  01.44
                            P04 256/069 481 3997  N5324.1 E00320.5 ...../.....

P1       ROKAN     340  FL360 014         495   17     110.2 /  27.4   02  01.46
                            P05 255/065 483 3980  N5339.8 E00311.3 ...../.....
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P1       TINDI     005  FL360 014         495   23     109.7 /  27.9   03  01.49
                              P05 254/057 514 3958  N5402.2 E00315.5 ...../.....

P1       ROLUM     006  FL360 010         495   16     109.3 /  28.3   02  01.51
                              P05 251/052 514 3941  N5418.3 E00318.5 ...../.....

P1       GIGUL     344  FL360 010         495   19     108.8 /  28.7   02  01.53
                              P05 247/045 496 3923  N5436.4 E00310.2 ...../.....

P1       RODSI     320  FL360 014         496   15     108.5 /  29.1   02  01.55
                              P05 244/041 481 3908  N5447.9 E00253.6 ...../.....

P58      *BDRY     294  FL360 014         400   29     107.7 /  29.9   04  01.59
-EGPX                         P06 238/035 378 3878  N5500.0 E00207.5 ...../.....

         EGCC      294  FL360 013              17     107.3 /  30.3   02  02.01
                              P07 245/053     3861  N5507.0 E00140.1 ...../.....

P58      GIVEM     294  FL360 013         498   53     106.0 /  31.6   06  02.07
                              P07 224/028 483 3808  N5527.9 E00014.9 ...../.....

P58      SUSIS     293  FL360 013         499   22     105.4 /  32.1   03  02.10
                              P07 212/024 487 3786  N5536.3 W00021.0 ...../.....

P58      MADAD     293  FL360 028         499   50     104.2 /  33.3   06  02.16
                              P08 186/021 504 3736  N5554.8 W00144.0 ...../.....

P58      FINDO     297  FL360 050         499   64     102.7 /  34.8   08  02.24
                              P08 173/021 509 3672  N5622.2 W00327.8 ...../.....

         EINN      273  FL360 057              110     100.1 /  37.4   13  02.37
                              P09 172/010     3562  N5621.6 W00646.4 ...../.....

-------------------------------- 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  (....) ____________________

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DCT      AMLAD     272   *CLB 044              108      97.6 /  40.0   13  02.50
-EGGX                         P12 134/013     3454  N5615.9 W01000.0 ...../.....

DCT      RESNO     253   *DES 010              186      93.1 /  44.5   22  03.12
                              P13 044/004     3268  N5500.0 W01500.0 ...../.....

NATF     5620N     298  FL370 010         498  180      89.0 /  48.6   21  03.33
         56N020W              P07 039/015 504 3088  N5600.0 W02000.0 ...../.....

-------------- ETOPS ENTRY (EINN) 0246 NM BEFORE 5730N EET 03:44 ---------------

NATF     5730N     293  FL370 010         495  337      81.3 /  56.2   40  04.13
-CZQX    57N030W              P04 016/006 497 2751  N5700.0 W03000.0 ...../.....

         *ETP 1    288  FL370 010         495  126      78.5 /  59.1   16  04.29
-EGGX     EINN/CYQX           P04 015/012 498 2625  N5705.7 W03351.3 ...../.....

NATF     5740N     287  FL370 010         495  201      74.0 /  63.6   24  04.53
-CZQX    57N040W              P03 029/010 501 2424  N5700.0 W04000.0 ...../.....

-------------- ETOPS EXIT  (CYQX) 0149 NM BEFORE 5550N EET 05:18 ---------------
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NATF     5550N     269   *CLB 010              357      66.2 /  71.4   43  05.36
         55N050W               P04 132/008     2067  N5500.0 W05000.0 ...../.....

NATF     LOMSI     268  FL380 038         500  265      60.3 /  77.3   31  06.07
                             P08 135/011 503 1802  N5306.0 W05647.0 ...../.....

N520A    *BDRY     262  FL380 039         505  250      54.9 /  82.7   30  06.37
-CZUL                        P12 322/008 505 1553  N5059.5 W06236.6 ...../.....

         KBGR      257  FL380 044              93      52.9 /  84.7   11  06.48
                             P07 309/052     1459  N5008.0 W06438.9 ...../.....

N520A    YRI       254   *CLB 055 113.90       242      47.5 /  90.1   30  07.18
         RIVIERE DU LOUP       P05 310/056     1217  N4745.4 W06935.3 ...../.....

J563     YSC       229  FL400 060 113.20  489  173      43.8 /  93.8   21  07.39
         SHERBROOKE            M00 295/046 482 1045  N4519.0 W07147.3 ...../.....

DCT      *BDRY     252  FL400 067         489   35      43.0 /  94.6   04  07.43
-KZBW                        M01 295/042 463 1010  N4459.9 W07229.0 ...../.....

         CYYZ      251  FL400 083              113      40.5 /  97.1   15  07.58
                             M01 267/039      896  N4356.6 W07440.6 ...../.....

DCT      SYR       249  FL400 062 117.00  489   82      38.8 /  98.8   10  08.08
         SYRACUSE              M01 269/026 468  815  N4309.6 W07612.3 ...../.....

DCT      *BDRY     267  FL400 047         489   25      38.2 /  99.4   04  08.12
-KZOB                        M01 269/025 464  790  N4302.8 W07645.2 ...../.....

DCT      GEE       266  FL400 049 108.20  489   45      37.2 / 100.3   05  08.17
         GENESEO               M01 272/025 465  745  N4250.1 W07744.0 ...../.....

DCT      JHW       250  FL400 050 114.70  490   73      35.7 / 101.9   10  08.27
         JAMESTOWN             M01 278/023 470  672  N4211.3 W07907.3 ...../.....

DCT      YNG       244  FL400 046 109.00  490   87      33.9 / 103.7   11  08.38
         YOUNGSTOWN            M00 299/018 480  585  N4119.9 W08040.5 ...../.....

         KCVG      241  FL400 037              45      32.9 / 104.6   05  08.43
                             M00 307/030      540  N4051.7 W08127.0 ...../.....

DCT      *BDRY     239  FL400 035         490   26      32.4 / 105.2   03  08.46
-KZID                        P00 316/021 487  515  N4035.7 W08153.0 ...../.....

DCT      APE       239  FL400 035 116.70  490   42      31.6 / 106.0   06  08.52
         APPLETON              P00 325/026 491  473  N4009.1 W08235.3 ...../.....

DCT      FLM       230   *CLB 034 117.00       121      29.2 / 108.4   14  09.06
         FALMOUTH              P01 333/033      352  N3839.0 W08418.6 ...../.....

DCT      *BDRY     231  FL430 037         380  119      26.6 / 111.0   15  09.21
-KZME                        M01 335/036 388  234  N3714.5 W08604.0 ...../.....

         KMEM      229  FL430 031              17      26.3 / 111.3   02  09.23
                             M03 319/036      217  N3702.3 W08618.7 ...../.....

DCT      BWG       228  FL430 040 117.90  482    9      26.1 / 111.5   01  09.24
         BOWLING GREEN         M02 335/038 495  208  N3655.7 W08626.6 ...../.....

WLDER8   *TOD      246  FL430 040         482   52      25.1 / 112.5   06  09.30
                             M03 335/040 484  155  N3630.5 W08723.3 ...../.....

WLDER8   AXXEL     244   *DES 040              53      24.8 / 112.8   06  09.36
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                              P11 343/039      103  N3604.4 W08820.3 ...../.....

WLDER8   SPKER     243   *DES 027               41      24.6 / 112.9   06  09.42
                              P14 344/014       61  N3543.8 W08904.2 ...../.....

WLDER8   WLDER     229   *DES 026               15      24.5 / 113.0   02  09.44
                              P12 338/008       46  N3533.5 W08917.6 ...../.....

WLDER8   LTOWN     228   *DES 026                4      24.5 / 113.1   01  09.45
                              P12 336/007       42  N3530.7 W08921.1 ...../.....

WLDER8   KMEM/18L  230    341 026               42      23.8 / 113.8   11  09.56
         MEMPHIS INTL                               N3502.9 W08958.4 ...../.....


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WIND INFORMATION - OBS 05/AUG 00:00

(CLIMB)		BNO		ELMEK		ROBEL	
FL350	316/048 -53	FL400	314/052 -58	FL400	302/054 -58	FL400	291/061 -58
FL280	316/040 -37	FL380	316/057 -58	FL380	302/059 -58	FL380	292/068 -58
FL210	315/028 -21	FL360	317/056 -54	FL360	302/057 -55	FL360	290/067 -54
FL140	313/019 -8	FL340	318/056 -51	FL340	302/055 -50	FL340	289/066 -49
7000	303/012 +6	FL320	315/049 -46	FL320	300/050 -45	FL320	287/058 -45

HMM		SPY		TINDI		GIVEM	
FL400	277/067 -57	FL400	264/064 -56	FL400	251/044 -51	FL400	232/027 -47
FL380	278/077 -57	FL380	264/074 -56	FL380	252/051 -52	FL380	229/028 -48
FL360	277/077 -53	FL360	263/079 -53	FL360	254/058 -51	FL360	225/028 -49
FL340	276/077 -49	FL340	263/084 -50	FL340	255/066 -51	FL340	220/029 -51
FL320	276/069 -45	FL320	263/074 -45	FL320	253/060 -48	FL320	215/029 -49

FINDO		5620N		5730N		5740N	
FL400	196/016 -46	FL410	031/008 -47	FL410	024/009 -50	FL410	021/008 -51
FL380	187/018 -47	FL390	039/012 -47	FL390	026/009 -51	FL390	023/009 -52
FL360	173/021 -48	FL370	039/016 -49	FL370	017/006 -52	FL370	030/011 -53
FL340	163/026 -50	FL350	039/020 -52	FL350	345/004 -54	FL350	037/012 -54
FL320	162/027 -48	FL330	038/023 -52	FL330	306/004 -53	FL330	039/013 -53

LOMSI		YSC		SYR		JHW	
FL420	148/005 -47	FL440	289/043 -55	FL440	270/029 -57	FL440	274/025 -57
FL400	145/008 -47	FL420	293/045 -56	FL420	270/028 -57	FL420	276/024 -57
FL380	135/011 -48	FL400	296/047 -57	FL400	270/026 -57	FL400	278/024 -57
FL360	121/019 -51	FL380	300/048 -56	FL380	271/025 -56	FL380	281/023 -56
FL340	114/027 -54	FL360	305/048 -53	FL360	275/022 -52	FL360	287/021 -52

APE		(DESCENT)	
FL440	308/025 -58	FL420	342/045 -58
FL420	316/026 -57	FL340	353/063 -44
FL400	325/026 -56	FL250	347/038 -23
FL380	333/026 -55	17000	345/020 -6
FL360	338/023 -51	8000	005/004 +10

END FLIGHTPLAN 03335 TCC412D N78901 LHBP-KMEM 05AUG2019

[ATC FLIGHTPLAN]

(FPL-TCC412D-IS
-B789/H-SABDE1FGHIJ2J3J4J5KP1P2P3RWXYZ/HB2U2V2D1G1
-LHBP0800
-N0491F360 BADOV DCT MAVOR P41 BABUS L602 VARIK DCT ROBEL UL602
SUPUR UP1 GODOS P1 RODSI P58 FINDO DCT AMLAD/M085F380 DCT
RESNO/M085F370 NATF 55N050W/M085F380 NATF LOMSI N520A
YRI/N0493F400 J563 YSC DCT SYR DCT GEE DCT JHW DCT YNG DCT APE
DCT FLM/N0483F430 DCT BWG WLDER8
-KMEM0956 KBNA
-PBN/A1B1C1D1L1O1S1 NAV/RNVD1E1A1 DOF/190805 REG/N78901
EET/LZBB0009 LKAA0019 EDUU0049 EDVV0108 EHAA0122 EGTT0143
EGPX0159 EGGX0250 RESNO0312 56N020W0333 57N030W0413 CZQX0414
57N040W0453 55N050W0536 LOMSI0607 CZUL0637 YRI0718 KZBW0743
KZOB0812 KZID0846 KZME0921
SEL/AHBF CODE/AAB467 RVR/75 OPR/TRADEWIND ALASKA
ORGN/PANCTAAP PER/D
RALT/CYQX EINN
RMK/TCAS
-E/1225)

[PLANNING WEATHER]

ORIGIN: LHBP/BUD (LISZT FERENC INTL, HUNGARY) UTC +02:00

```
LHBP 050600Z VRB01KT CAVOK 18/15 Q1016 NOSIG
LHBP 050515Z 0506/0606 VRB03KT CAVOK
   BECMG 0508/0510 25007KT
   BECMG 0518/0520 19004KT
```

DESTINATION: KMEM/MEM (MEMPHIS INTL, UNITED STATES) UTC -05:00

```
KMEM 050554Z 00000KT 10SM FEW095 23/22 A2997 RMK AO2 SLP145 T02330222
   10272 20228 403280228 58005
KMEM 050536Z 0506/0612 VRB05KT P6SM FEW010
   TEMPO 0510/0512 4SM BR BKN010
   FM051200 VRB03KT P6SM BKN012
   FM051500 02005KT P6SM SCT040
   FM060100 VRB03KT P6SM FEW250
```

ALTERNATE: KBNA/BNA (NASHVILLE INTL, UNITED STATES) UTC -05:00

```
KBNA 050553Z 33003KT 5SM BR FEW150 21/19 A3001 RMK AO2 SLP154 T02060194
   10239 20206 403060206 58001
KBNA 050520Z 0506/0606 VRB02KT 4SM BR BCFG SCT003
   TEMPO 0508/0512 1/2SM FG BKN003
   FM051300 03005KT P6SM SCT050
```

EDTO AIRPORT: CYQX/YQX (GANDER INTL, CANADA) UTC -02:30

```
CYQX 050624Z 19010KT 15SM BKN007 OVC025 17/16 A2977 RMK SF7SC1 SLP084
   DENSITY ALT 1100FT
CYQX 050538Z 0506/0606 21010KT 5SM BR OVC007
   TEMPO 0506/0510 P6SM NSW OVC010
   FM051000 19008KT 4SM -SHRA BR OVC006
   TEMPO 0510/0512 6SM BR OVC010
   PROB30 0510/0512 2SM TSRA BR BKN008 OVC010CB
   FM051200 18007KT P6SM OVC010
   FM051600 VRB03KT P6SM -SHRA BKN025
   PROB30 0516/0521 2SM TSRA BR BKN020CB
   FM052100 11010KT P6SM -SHRA BKN025
   PROB30 0521/0524 2SM TSRA BR BKN020CB
   FM060000 20006KT 6SM -SHRA BR OVC020
   FM060300 24005KT 11/2SM -DZ BR OVC005
   PROB30 0603/0606 3/4SM -DZ BR OVC003
   RMK NXT FCST BY 051200Z
```

EDTO AIRPORT: EINN/SNN (SHANNON, IRELAND) UTC +01:00

```
EINN 050600Z 17008KT 9999 FEW010 BKN046 14/12 Q1005 NOSIG
EINN 050500Z 0506/0606 20010KT 9999 SCT020
   TEMPO 0508/0524 SHRA BKN018CB
```

ADEQUATE: LOWW/VIE (SCHWECHAT, AUSTRIA) **UTC +02:00**

```
LOWW 050620Z 16003KT 100V210 CAVOK 20/12 Q1016 NOSIG
LOWW 050515Z 0506/0612 18003KT CAVOK TX28/0612Z TN18/0506Z
   BECMG 0603/0606 30007KT 9999 FEW035 BKN070
   TEMPO 0603/0607 -SHRA FEW035 FEW040TCU BKN050
```

ADEQUATE: EDDP/LEJ (LEIPZIG-HALLE, GERMANY) **UTC +02:00**

```
EDDP 050620Z 14008KT 9999 FEW035 19/13 Q1013 NOSIG
EDDP 050500Z 0506/0606 15005KT CAVOK
   BECMG 0508/0510 21006KT
   PROB30 TEMPO 0515/0520 SHRA BKN035CB
```

ADEQUATE: EDDL/DUS (DUESSELDORF, GERMANY) **UTC +02:00**

```
EDDL 050620Z 17010KT 9999 -SHRA FEW040TCU 21/15 Q1010 NOSIG
EDDL 050500Z 0506/0612 19007KT CAVOK
   BECMG 0508/0511 25011KT
   BECMG 0518/0521 23006KT
```

ADEQUATE: EHAM/AMS (SCHIPHOL, NETHERLANDS) **UTC +02:00**

```
EHAM 050625Z 16006KT CAVOK 20/16 Q1009 BECMG 25012KT
EHAM 050451Z 0506/0612 15005KT CAVOK
   BECMG 0506/0508 26012KT FEW014
   BECMG 0508/0511 25015G25KT FEW025
   PROB30 TEMPO 0514/0516 7000 RA BKN030
   BECMG 0518/0521 22007KT CAVOK
   BECMG 0606/0609 24012KT SCT020
```

ADEQUATE: EGCC/MAN (MANCHESTER, UNITED KINGDOM) **UTC +01:00**

```
EGCC 050620Z 20005KT 9999 FEW012TCU SCT034 16/15 Q1007 RERA REDZ NOSIG
AMD EGCC 050555Z 0506/0612 22008KT 9999 SCT045
   TEMPO 0506/0508 6000 RA
   PROB30 TEMPO 0603/0606 7000 RA
   PROB30 TEMPO 0606/0612 20015G25KT 7000 -RA
```

ADEQUATE: KBGR/BGR (BANGOR INTL, UNITED STATES) **UTC -04:00**

```
KBGR 050553Z 23005KT 10SM CLR 13/08 A2992 RMK AO2 SLP130 T01280083 10206
   20128 56001
KBGR 050520Z 0506/0606 30004KT P6SM SKC
   FM051500 29008KT P6SM SKC
   FM052300 VRB03KT P6SM SKC
```

ADEQUATE: CYYZ/YYZ (LESTER B PEARSON INTL, CANADA) **UTC -04:00**

```
CYYZ 050600Z 07008KT 15SM SCT050 19/10 A3000 RMK SC4 SLP159 DENSITY ALT
   1100FT
CYYZ 050538Z 0506/0612 05006KT P6SM FEW050
   FM051500 16008G18KT P6SM SCT050
   FM060400 21008KT P6SM FEW070
   FM061000 23008KT P6SM SCT070 BKN200
   RMK NXT FCST BY 050900Z
```

ADEQUATE: KCVG/CVG (CINCINNATI/NORTHERN KY INTL, UNITED STATES) UTC -04:00

KCVG 050552Z 00000KT 10SM CLR 22/17 A3000 RMK AO2 SLP149 T02220167 10294
20206 58000
KCVG 050538Z 0506/0612 00000KT P6SM FEW250
FM051600 28006KT P6SM SCT060
FM060000 27003KT P6SM SCT250

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(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)

(NAT-1/2 TRACKS FLS 310/390 INCLUSIVE
AUG 05/1130Z TO AUG 05/1900Z
PART ONE OF TWO PARTS-

A ERAKA 60/20 62/30 63/40 63/50 KETLA
EAST LVLS NIL
WEST LVLS 310 320 330 350 360 370
EUR RTS WEST NIL
NAR NIL-

B GOMUP 59/20 61/30 62/40 62/50 MAXAR
EAST LVLS NIL
WEST LVLS 310 320 330 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

C SUNOT 58/20 59/30 59/40 57/50 HOIST

EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

D BILTO 5730/20 5830/30 5830/40 5630/50 IRLOK
EAST LVLS NIL
WEST LVLS 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

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

F RESNO 56/20 57/30 57/40 55/50 LOMSI
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 TWO PARTS)

(NAT-2/2 TRACKS FLS 310/390 INCLUSIVE
AUG 05/1130Z TO AUG 05/1900Z
PART TWO OF TWO PARTS-

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

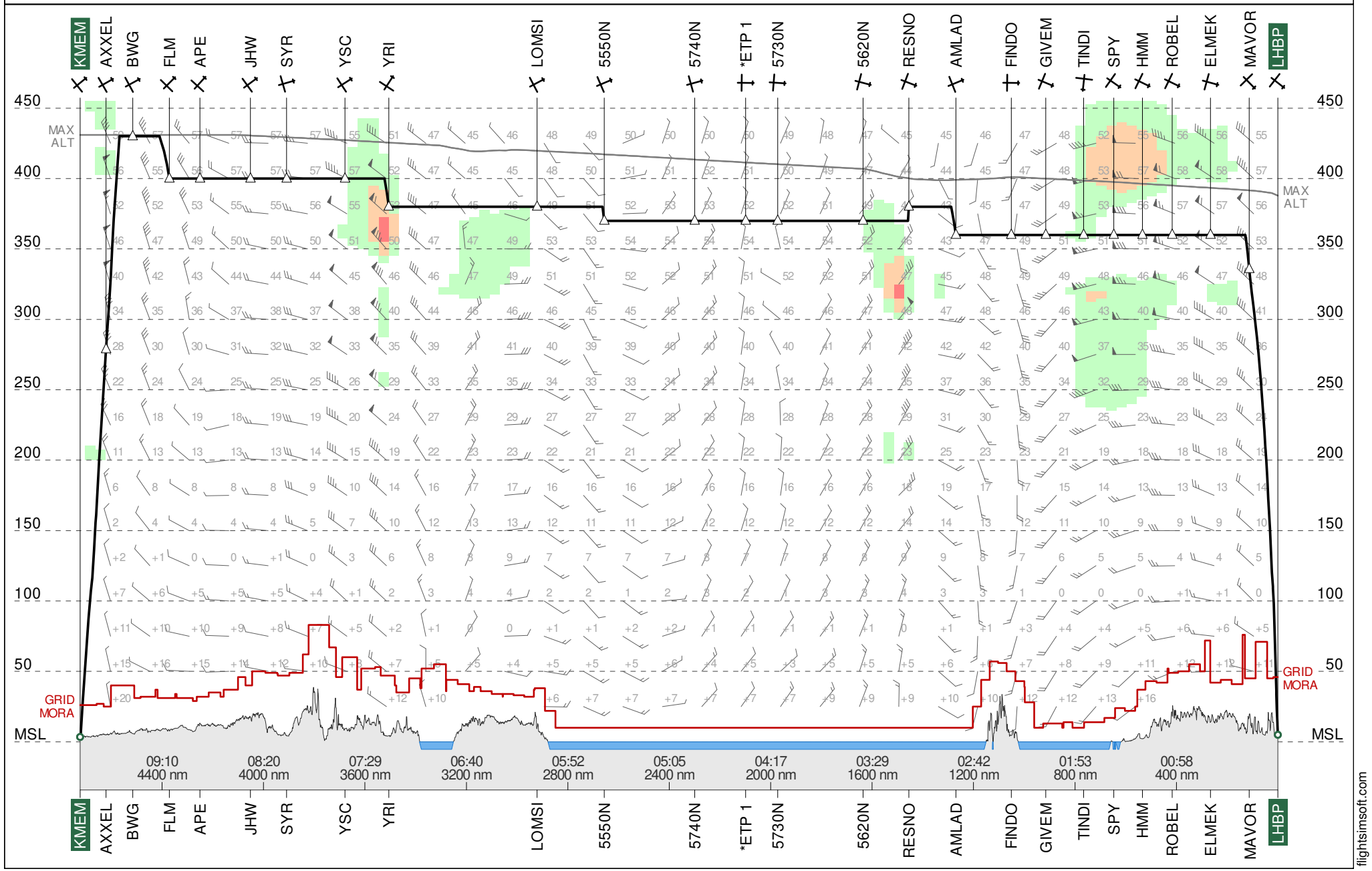
REMARKS.
1. TMI IS 217 AND OPERATORS ARE REMINDED TO INCLUDE THE
TMI NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
2.FOR WESTBOUND TRACK QUERIES CONTACT EGGX ON +44 01294 655141.
3.ALL ADSC CPDLC EQUIPPED FLIGHTS NOT LOGGED ON TO A DOMESTIC ATSU
PRIOR TO ENTERING THE SHANWICK OCA MUST INITIATE A 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 C
TRACK D
TRACK E
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.-

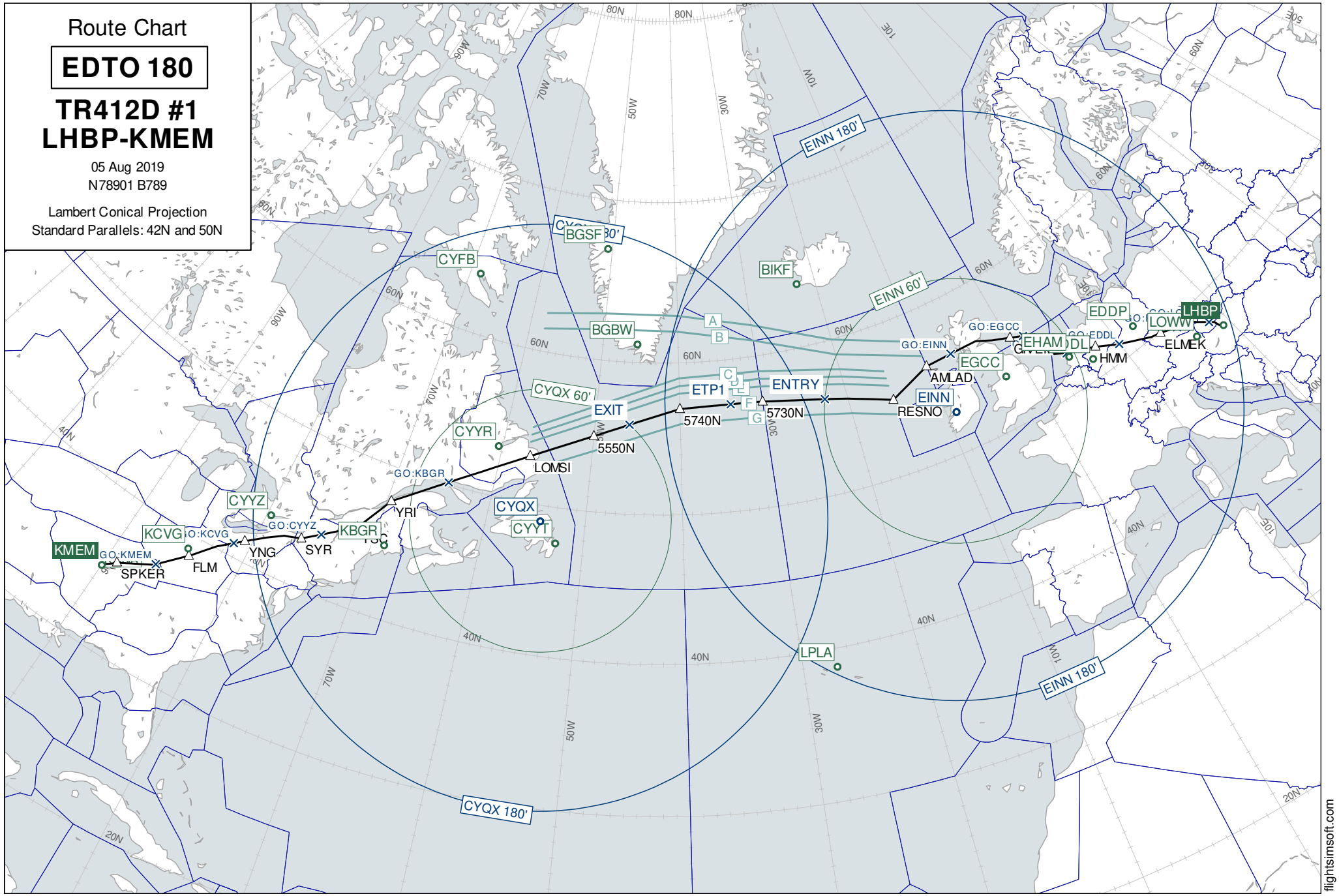
END OF PART TWO OF TWO PARTS)

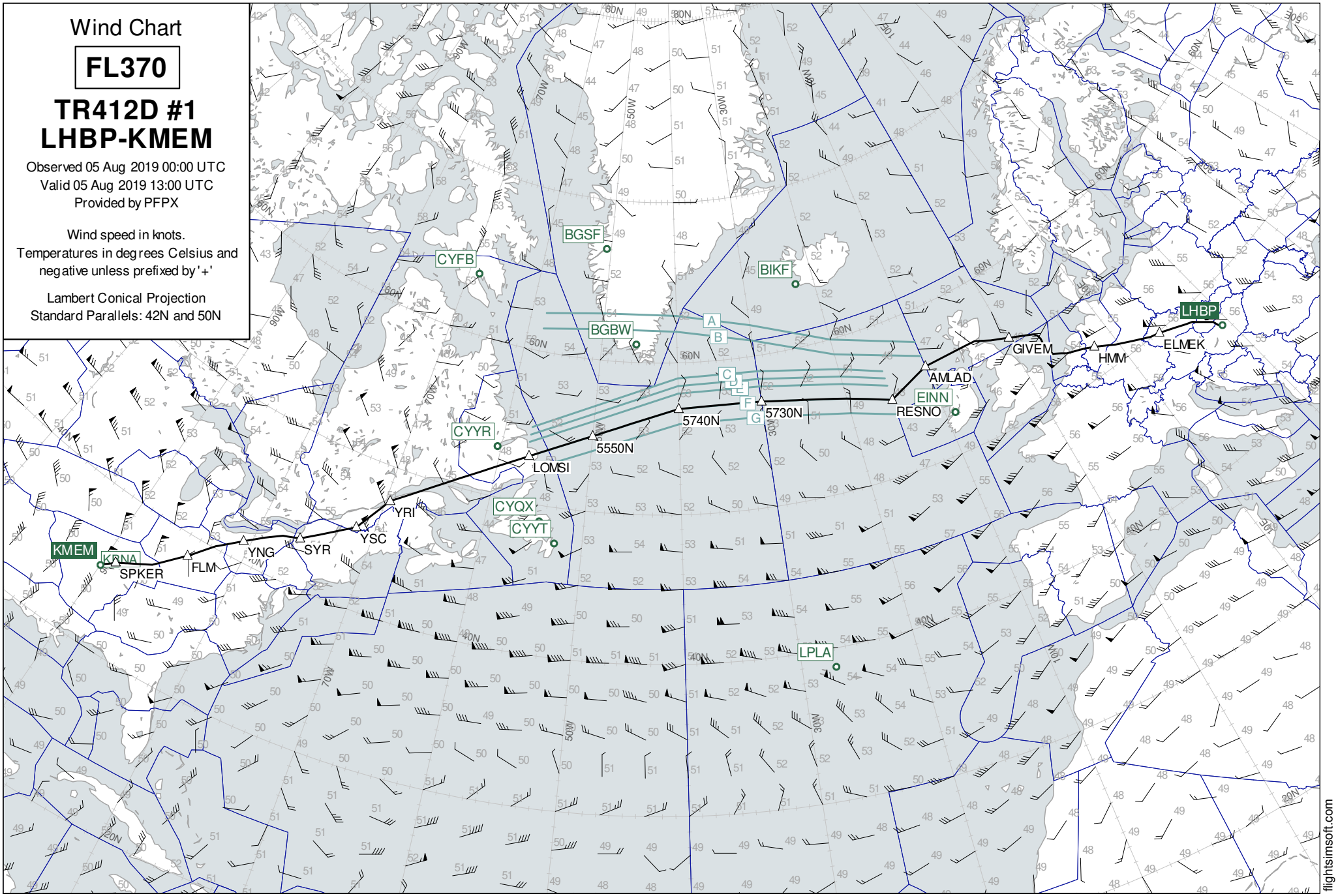
TR412D #1

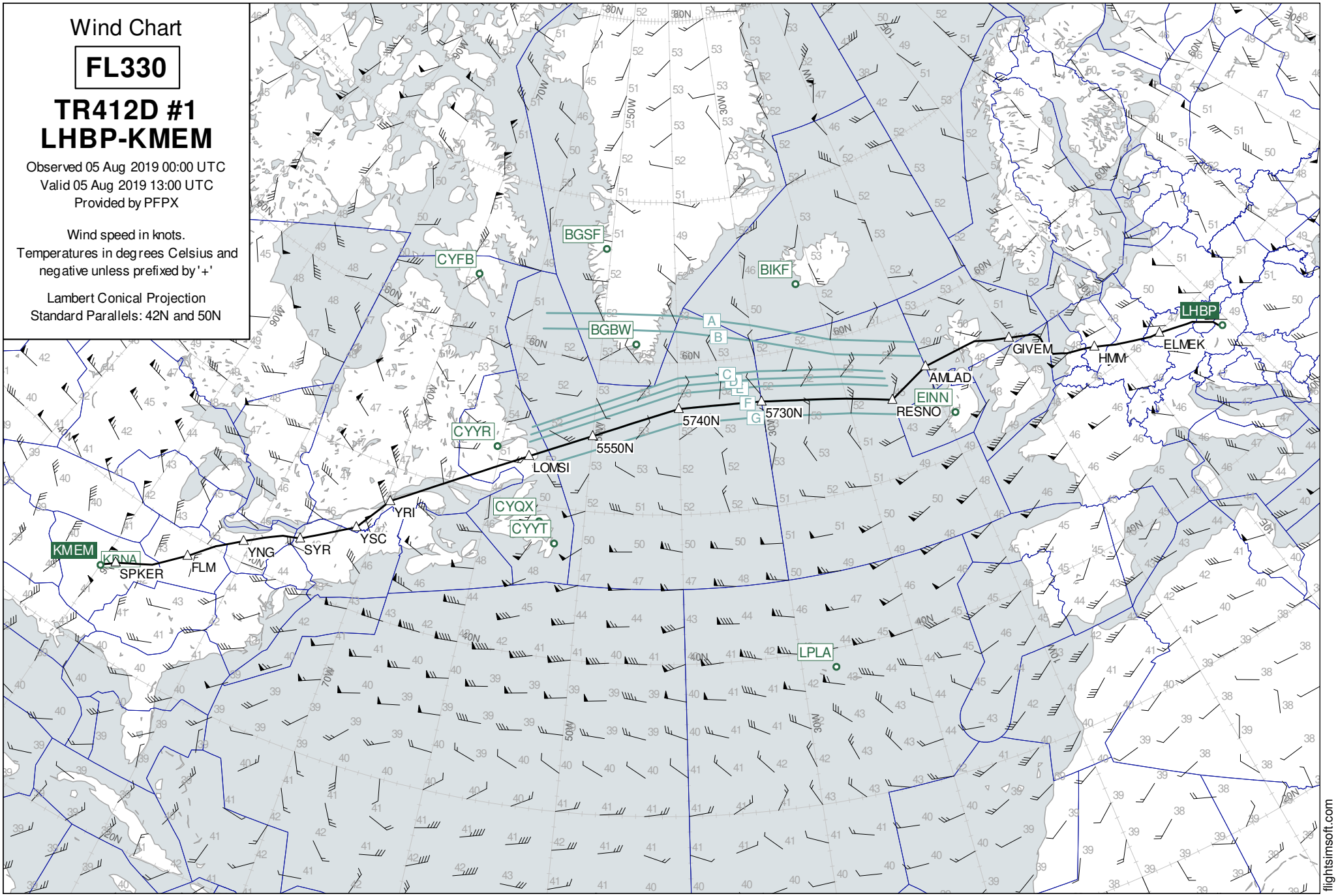
KMEM ⟵ LHBP

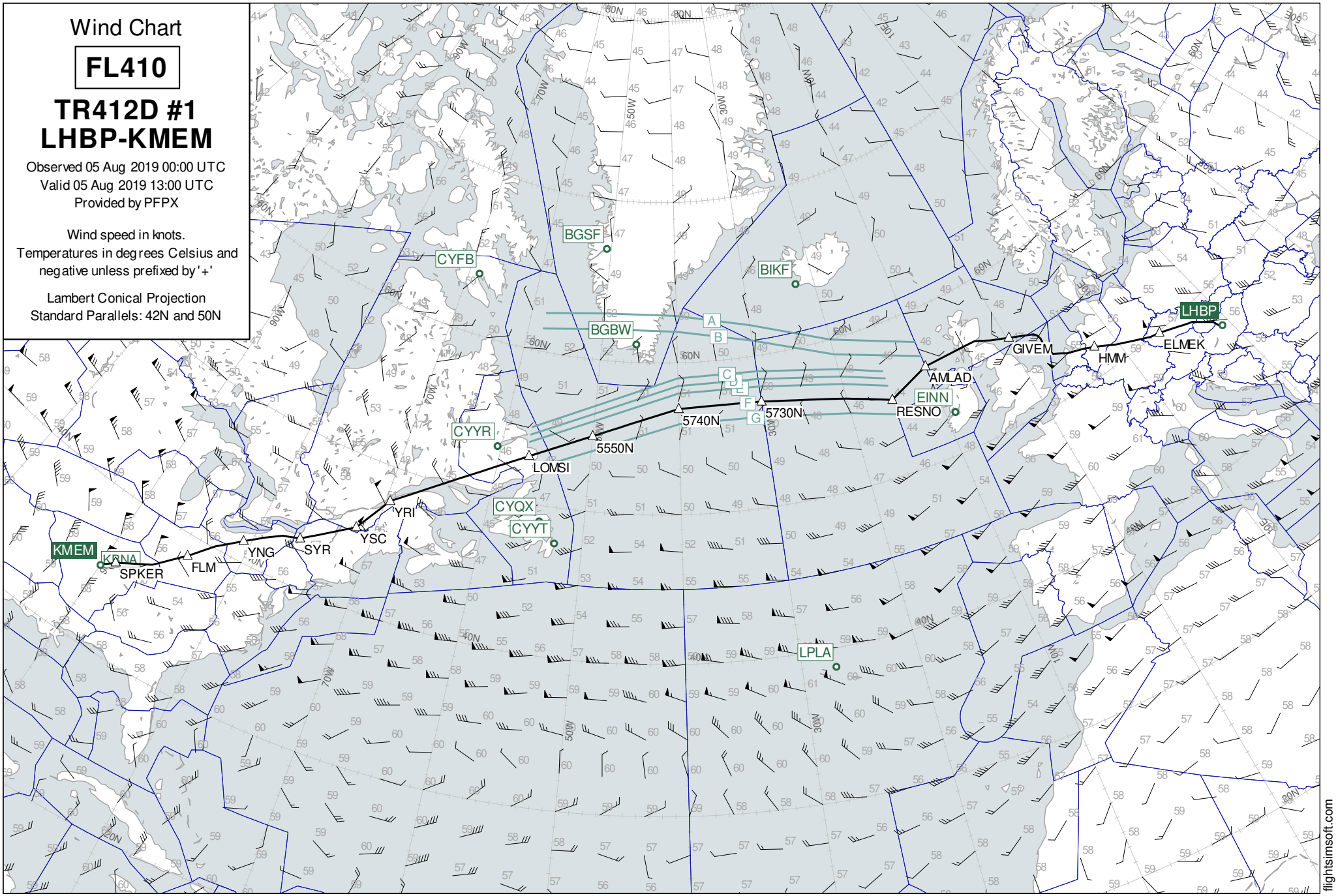
ETD 05 Aug 08:00z
N78901 B789

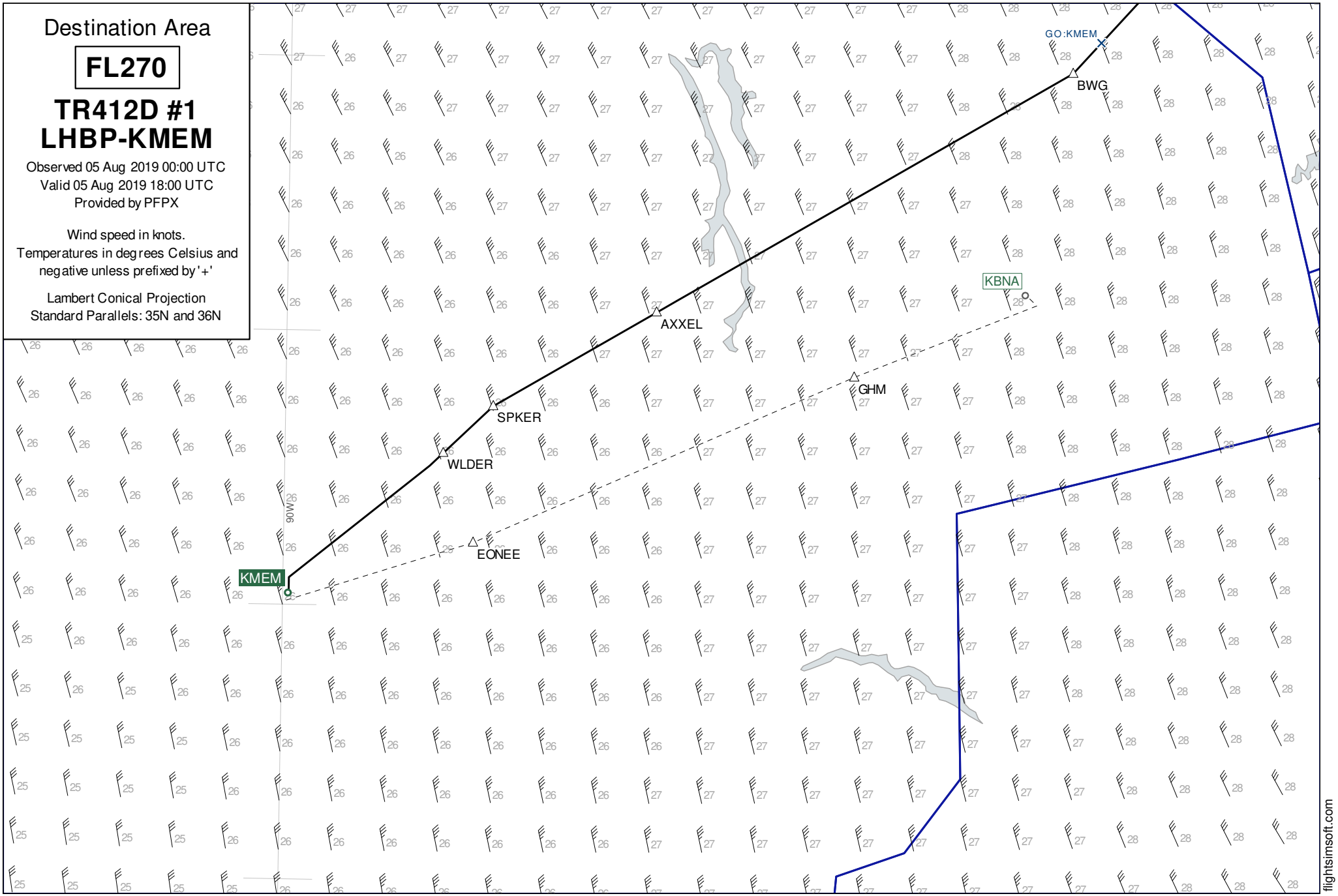


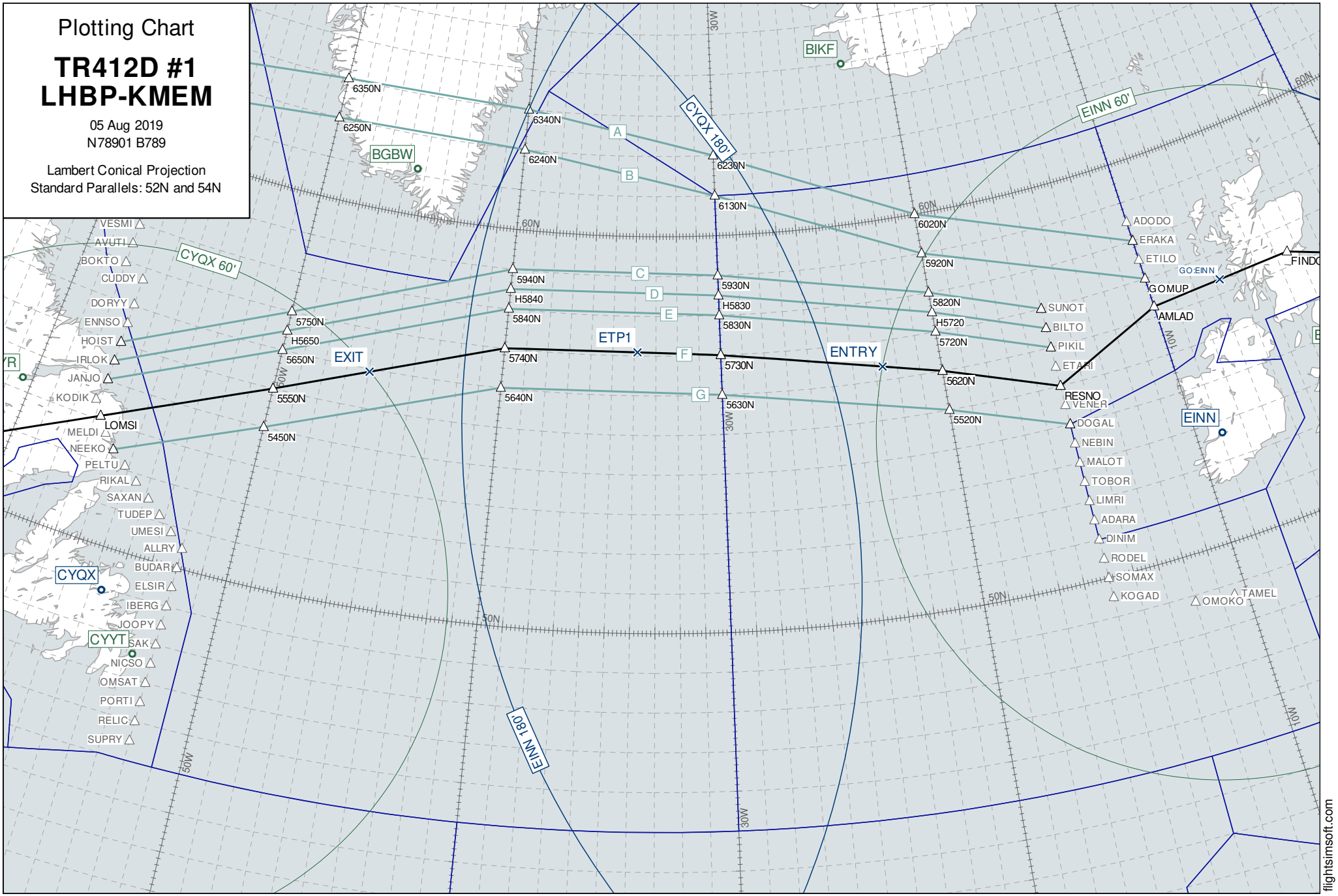

Route Chart
EDTO 180
TR412D #1
LHBP-KMEM
05 Aug 2019
N78901 B789
Lambert Conical Projection
Standard Parallels: 42N and 50N
EINN 180'
EINN 60'
CYQX 60'
CYQX 180'
BGSF
BIKF
CYFB
BGBW
A
B
C
D
E
F
G
ETP1
ENTRY
EXIT
5740N
5730N
5550N
LOMSI
RESNO
AMLAD
EINN
EGCC
EHAM
EDDP
LOWW
LHBP
HMM
ELMEK
GO:EGCC
GO:EINN
GO:EDDL
CYYR
GO:KBGR
YRI
CYQX
CYYT
LPLA
CYYZ
GO:CYYZ
KBGR
SYR
YNG
KCVG
GO:KCVG
FLM
KMEM
GO:KMEM
SPKER
flightsimsoft.com


Wind Chart
FL370
TR412D #1
LHBP-KMEM
Observed 05 Aug 2019 00:00 UTC
Valid 05 Aug 2019 13:00 UTC
Provided by PFPX
Wind speed in knots.
Temperatures in degrees Celsius and negative unless prefixed by '+'
Lambert Conical Projection
Standard Parallels: 42N and 50N
BGSF
CYFB
BIKF
BGBW
A
B
C
F
G
LHBP
GIVEM
HMM
ELMEK
AMLAD
EINN
RESNO
5740N
5730N
5550N
CYYR
LOMSI
CYQX
CYYT
YRI
YSC
SYR
YNG
FLM
SPKER
KRNA
KMEM
LPLA
flightsimsoft.com


Wind Chart
FL330
TR412D #1
LHBP-KMEM
Observed 05 Aug 2019 00:00 UTC
Valid 05 Aug 2019 13:00 UTC
Provided by PFPX
Wind speed in knots.
Temperatures in degrees Celsius and negative unless prefixed by '+'
Lambert Conical Projection
Standard Parallels: 42N and 50N
BGSF
CYFB
BIKF
BGBW
A
B
C
F
G
LHBP
GIVEM
HMM
ELMEK
AMLAD
EINN
RESNO
5740N
5730N
CYYR
5550N
LOMSI
CYQX
CYYT
YRI
YSC
SYR
YNG
FLM
SPKER
KRNA
KMEM
LPLA
flightsimsoft.com


Wind Chart
FL410
TR412D #1
LHBP-KMEM
Observed 05 Aug 2019 00:00 UTC
Valid 05 Aug 2019 13:00 UTC
Provided by PFPX
Wind speed in knots.
Temperatures in degrees Celsius and negative unless prefixed by '+'
Lambert Conical Projection
Standard Parallels: 42N and 50N
BGSF
CYFB
BIKF
BGBW
A
B
C
D
E
F
G
LHBP
GIVEM
HMM
ELMEK
AMLAD
EINN
RESNO
5740N
5730N
CYYR
5550N
LOMSI
CYQX
CYYT
YRI
YSC
SYR
YNG
FLM
SPKER
KRNA
KMEM
LPLA
flightsimsoft.com


Destination Area
FL270
TR412D #1
LHBP-KMEM
Observed 05 Aug 2019 00:00 UTC
Valid 05 Aug 2019 18:00 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
GO:KMEM
BWG
KBNA
AXXEL
GHM
SPKER
WLDER
EONEE
KMEM
90W
flightsimsoft.com


Plotting Chart
TR412D #1
LHBP-KMEM
05 Aug 2019
N78901 B789
Lambert Conical Projection
Standard Parallels: 52N and 54N
BIKF
BGBW
CYQX
CYYT
EINN
6350N
6250N
6340N
6240N
6230N
6130N
6020N
5920N
5940N
5930N
H5840
5840N
H5830
5830N
5820N
H5720
5720N
5750N
H5650
5650N
5740N
5730N
5620N
5550N
5640N
5630N
5520N
5450N
A
B
C
D
E
F
G
CYQX 180'
EINN 60'
CYQX 60'
EINN 180'
ETP1
EXIT
ENTRY
VESMI
AVUTI
BOKTO
CUDDY
DORYY
ENNSO
HOIST
IRLOK
JANJO
KODIK
LOMSI
MELDI
NEEKO
PELTU
RIKAL
SAXAN
TUDEP
UMESI
ALLRY
BUDAR
ELSIR
IBERG
JOOPY
SAK
NICSO
OMSAT
PORTI
RELIC
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LIMRI
ADARA
DINIM
RODEL
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50N
30W
10W
50W
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