



Tradewind VA



Flight Briefing Package

TCC211B KMEM-EDSB

20-Jul-2019 #2

RELEASE #2

MEMPHIS INTL
(UNITED STATES)

-

KARLSRUHE/BADEN-BADEN
(GERMANY)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

20 JUL 1842 UTC

Fuel Planning (kg)	EU-OPS	Fuel	Time
TRIP		53.615	08:08
CONT 5%		2.681	00:27
HOLD	EDSB	1.981	00:20
ALTN	EDTL	2.501	00:21
FINAL RESV		2.969	00:30
ADD FUEL		1.204	00:12
MIN T/O		64.951	09:58
EXTRA		1.485	00:15
TAXI		1.300	00:25
RELEASE	KMEM	67.736	10:38
ARR FUEL	EDSB	12.197	01:53

Load Planning (kg)	PJTGD	Plan	Limit
Empty Weight		156.146	
Payload	266+0 Pax	25.004	
Zero Fuel Weight	Limit	181.150	209.106
Fuel		67.736	162.613
Ramp Weight		248.886	348.359
Take-Off Weight KMEM		247.586	315.028
Landing Weight EDSB		193.971	223.167
Underload		27.956	Lim ZFW
Max Extra Fuel		29.196	Lim LDW

Cost Planning		
Flight Time	08:08\$	45.652
Fuel	55.539\$	43.614
Total	\$	89.266
Per Pax	\$	336
Per 3.000 kg Payload	\$	10.710

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC211B PJTGD KMEM-EDSB

 ALL WEIGHTS IN KILOGRAMS (KG) STD 20JUL/2210Z

OPF 2 - PREPARED 20JUL/1842Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR211B/TCC211B PJTGD/B777-2LR GE SEL/EFAD ROUTE: KMEMEDSB01

DEP: KMEM/MEM 18C ELEV 341 FT COST INDEX: 250 TTL G/C DIST: 4155 NM
 ARR: EDSB/FKB 21 ELEV 409 FT INIT ALT: FL350 TTL F/P DIST: 4209 NM
 FUEL BIAS: 100.5% TTL AIR DIST: 3931 NM
 AVG WIND CMP: TL034 KT

ALT: EDTL/LHA 03 ELEV 511 FT 93 NM

CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM	ZFW	TOW	LDW
STANDARD	156146	266	0	25004	27956 ZFW	MAX 209106	315028	223167
						PLN 181150	247586	193971
						ACT .....	.....	.....

 ** TAKE-OFF DATA KMEM 18C **

COND: 247586 KG // RWY DRY // +33°C Q1016 210/07 // LMT: STRUCT
 CONFIG: FLAPS 5 // D-T01 +56C // A/I OFF/AUTO // A/C ON
 SPEEDS: V1=153 VR=154 V2=157
 ENG OUT: NONE

	FUEL	CORR	ENDUR	
TRIP	53615	.....	08:08	
CONT 5%	2681	.....	00:27	
ALTN EDTL	2501	.....	00:21	
FINAL RESV	2969	.....	00:30	
HOLD	1981	.....	00:20	
ADD FUEL	1204	.....	00:12	
MIN T/O	64951	.....	09:58	.....
EXTRA	1485	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	1300	.....	00:25	
RELEASE	67736	.....	10:38	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	12197	.....	01:53	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 30681 KG LIM BY LDW
 TRIP CORR FOR 4000 KG TOW INCR: +672 KG / 4000 KG TOW DECR: -594 KG
 2000 FT LOWER: +1457 KG / EET 08:07 CLB: 250/310/84 DES: 84/320/250

 KMEM STD 22:10Z/17:10L ETD 22:10Z ACT OFBL EST T/O 22:35Z ACT T/O
 EDSB STA 07:20Z/09:20L ETA 06:55Z ACT ONBL EST LDG 06:43Z ACT LDG
 SKD 09:10 PLN 08:45 TTL BLCK EST FLT 08:08 TTL FLT

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (CYQX)	203 NM BEFORE 5340N	N52 33.4 W045 31.8	EET 04:12
ETOPS EXIT (EINN)	1 NM BEFORE 5420N	N54 00.1 W020 02.2	EET 06:00

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

CYQX (03:38-05:39)
 BIKF (05:15-05:48)
 EINN (05:18-05:48)

				P13 299/004	4123	N3607.8	W08858.2/.....	
Q29	*TOC	039	FL350 025	499 18	61.6 / 6.1	02	00.16		
			P11 301/005	499 4105	N3621.9	W08845.1/.....		
	KCVG	039	FL350 025	32	61.2 / 6.5	04	00.20		
			P11 308/013	4073	N3647.5	W08821.1/.....		
Q29	SIDAE	040	FL350 032	499 41	60.6 / 7.1	05	00.25		
			P11 293/013	501 4032	N3720.0	W08750.0/.....		
Q29	*BDRY	049	FL350 028	499 8	60.5 / 7.2	01	00.26		
-KZID			P11 292/013	502 4024	N3725.8	W08742.5/.....		
Q29	CREEP	049	FL350 037	499 219	57.5 / 10.3	26	00.52		
			P11 283/017	509 3805	N3955.3	W08418.5/.....		
Q29	*BDRY	050	FL350 032	499 53	56.8 / 11.0	06	00.58		
-KZOB			P11 280/015	507 3752	N4033.5	W08329.7/.....		
Q29	KLYNE	051	FL350 032	499 12	56.6 / 11.1	02	01.00		
			P12 283/015	507 3740	N4041.9	W08318.7/.....		
	KCLE	059	FL350 032	12	56.4 / 11.3	01	01.01		
			P11 288/022	3728	N4049.0	W08306.7/.....		
Q29	DUTSH	059	FL350 032	499 32	56.0 / 11.7	04	01.05		
			P12 272/013	509 3696	N4108.4	W08233.2/.....		
Q29	WWSHR	069	FL350 031	499 26	55.6 / 12.1	03	01.08		
			P11 256/014	512 3670	N4120.6	W08203.1/.....		
Q29	DORET	075	FL350 037	499 71	54.7 / 13.0	08	01.16		
			P12 287/026	514 3599	N4148.1	W08035.1/.....		
	KBUF	079	FL350 037	3	54.6 / 13.1	00	01.16		
			P11 274/031	3596	N4149.2	W08030.9/.....		
Q29	JHW	079	FL350 046	114.70 499 66	53.8 / 14.0	08	01.24		
	JAMESTOWN		P12 273/037	530 3530	N4211.3	W07907.3/.....		
DCT	GEE	068	*CLB 050	108.20 73	52.8 / 14.9	08	01.32		
	GENESE0		P11 263/044	3457	N4250.1	W07744.0/.....		
	CYUL	085	FL370 049	16	52.6 / 15.2	02	01.34		
			P08 261/051	3441	N4254.6	W07723.5/.....		
DCT	*BDRY	085	FL370 049	491 29	52.2 / 15.5	03	01.37		
-KZBW			P08 260/046	537 3412	N4302.8	W07645.0/.....		
DCT	SYR	086	FL370 047	117.00 492 25	51.9 / 15.9	03	01.40		
	SYRACUSE		P09 259/046	538 3387	N4309.6	W07612.3/.....		
DCT	*BDRY	066	FL370 083	492 196	49.5 / 18.3	22	02.02		
-CZUL			P08 271/066	544 3191	N4500.7	W07227.4/.....		
DCT	YSC	071	FL370 060	113.20 491 34	49.1 / 18.7	04	02.06		
	SHERBROOKE		P08 272/070	547 3157	N4519.0	W07147.3/.....		
DCT	*BDRY	078	FL370 065	491 65	48.3 / 19.5	07	02.13		
-KZBW			P08 279/077	551 3092	N4548.1	W07024.1/.....		
DCT	*BDRY	080	FL370 074	491 120	46.9 / 20.9	13	02.26		
-CZQM			P08 288/101	560 2971	N4639.1	W06746.9/.....		

DCT	MILLS	083	FL370	036	491	33	46.5 / 21.3	03	02.29	
					P08	288/102	561 2938	N4652.4	W06702.9/.....
	CYQX	077	FL370	041		42	46.0 / 21.8	05	02.34	
					P08	272/098	2897	N4713.3	W06610.2/.....
N443A	*BDRY	078	FL370	041	491	88	45.0 / 22.8	09	02.43	
-CZUL					P09	279/112	572 2808	N4756.3	W06415.9/.....
N443A	*BDRY	080	FL370	039	493	123	43.6 / 24.2	13	02.56	
-CZQX					P11	281/103	573 2685	N4852.9	W06131.3/.....
N443A	TUDEP	082	FL370	040	491	348	39.4 / 28.3	39	03.35	
					P05	330/011	492 2337	N5110.0	W05314.0/.....

----- 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	5250N	085	FL370	010	492	131	37.6 / 30.1	16	03.51	
	52N050W				P04	017/035	470 2206	N5200.0	W05000.0/.....

----- ETOPS ENTRY (CYQX) 0203 NM BEFORE 5340N EET 04:12 -----

DCT	5340N	098	FL370	010	498	371	32.7 / 35.1	47	04.38	
	53N040W				P12	015/008	495 1836	N5300.0	W04000.0/.....

*ETP 1	093	FL370	010	498	183	30.3 / 37.4	22	05.00	
CYQX/BIKF				P13	239/010	506 1653	N5336.6	W03500.2/.....

DCT	5430N	095	FL370	010	498	179	28.2 / 39.6	20	05.20	
-EGGX	54N030W				P12	235/027	521 1473	N5400.0	W03000.0/.....

*ETP 2	099	FL370	010	498	89	27.1 / 40.6	11	05.31	
BIKF/EINN				P11	240/038	527 1384	N5404.7	W02728.4/.....

----- ETOPS EXIT (EINN) 0001 NM BEFORE 5420N EET 06:00 -----

DCT	5420N	103	FL370	010	494	264	24.2 / 43.6	29	06.00	
	54N020W				P09	257/070	561 1120	N5400.0	W02000.0/.....

DCT	DOGAL	097	FL370	010	493	177	22.3 / 45.5	18	06.18	
					P08	264/079	571 944	N5400.0	W01500.0/.....

DCT	BEXET	096	FL370	010	492	35	21.9 / 45.8	04	06.22	
-EISN					P07	266/081	573 908	N5400.0	W01400.0/.....

EGLL	112	FL370	045	300	18.7 / 49.0	32	06.54		
				P03	282/077	608	N5221.1	W00607.0/.....

DCT	BAKUR	115	FL370	044	489	18	18.5 / 49.2	02	06.56	
-EGTT					P05	281/070	561 590	N5214.5	W00540.8/.....

N546	STU	124	FL370	019	113.10	490	28	18.2 / 49.5	03	06.59
	STRUMBLE				P05	283/066	552 563	N5159.7	W00502.4/.....

UL9	DIKAS	103	FL370	042	490	67	17.5 / 50.2	07	07.06	
					P05	285/060	553 495	N5146.6	W00315.6/.....

UL9	GAVGO	103	FL370	042	490	59	16.9 / 50.9	06	07.12	
			P05	287/056	547	436	N5133.8 W00142.6/.....		
UL9	KENET	106	FL370	024	490	10	16.7 / 51.0	02	07.14	
			P05	286/056	547	426	N5131.2 W00127.3/.....		
UL9	CPT COMPTON	102	FL370	024	114.35	490	9	16.7 / 51.1	01	07.15
			P05	285/055	546	417	N5129.5 W00113.2/.....		
UL9	NORRY	102	FL370	024	490	4	16.6 / 51.1	00	07.15	
			P05	285/055	546	414	N5128.8 W00107.4/.....		
UL9	LINDY	102	FL370	024	490	3	16.6 / 51.2	00	07.15	
			P05	284/055	545	411	N5128.2 W00103.0/.....		
UL9	GOXUL	102	FL370	024	490	33	16.2 / 51.5	04	07.19	
			P05	278/057	547	377	N5121.5 W00010.6/.....		
UL9	BIG BIGGIN	102	FL370	024	115.10	490	8	16.1 / 51.6	01	07.20
			P05	276/058	548	369	N5119.9 E00002.1/.....		
UL9	DIKVU	101	FL370	024	490	11	16.0 / 51.7	01	07.21	
			P05	274/058	548	358	N5117.8 E00019.0/.....		
UL9	LAVRI	101	FL370	024	490	10	15.9 / 51.8	01	07.22	
			P05	272/058	548	348	N5115.8 E00034.8/.....		
UL9	EMKAD	101	FL370	024	490	5	15.8 / 51.9	01	07.23	
			P05	272/058	548	343	N5114.8 E00042.6/.....		
UL9	UMTUM	101	FL370	024	490	12	15.7 / 52.0	01	07.24	
			P04	270/059	548	331	N5112.5 E00101.1/.....		
UL9	DVR DOVER	102	FL370	024	114.95	490	13	15.6 / 52.2	01	07.25
			P04	269/059	548	318	N5109.8 E00121.6/.....		
UL9 -EBUR	KONAN	094	FL370	024	490	24	15.3 / 52.4	03	07.28	
			P04	267/060	549	294	N5107.9 E00200.0/.....		
UL607	KOK KOKSY	094	FL370	019	114.50	489	25	15.0 / 52.7	03	07.31
			P04	267/060	549	269	N5105.7 E00239.1/.....		
	EBBR	117	FL370	019		2	15.0 / 52.7	00	07.31	
			P01	275/055		268	N5104.9 E00241.6/.....		
UM150	KOMOB	117	FL370	036	489	117	13.7 / 54.0	13	07.44	
			P02	271/058	540	151	N5008.6 E00522.4/.....		
UM150	*TOD	118	FL370	036	488	16	13.6 / 54.2	02	07.46	
			P02	272/058	539	135	N5000.8 E00543.6/.....		
UM150	DIK DIEKIRCH	118	*DES	038	114.40	18	13.5 / 54.2	02	07.48	
			P05	273/058		117	N4951.7 E00607.8/.....		
	ELLX	116	*DES	038		9	13.5 / 54.2	01	07.49	
			P08	287/049		108	N4947.5 E00620.1/.....		
UM150 -EDUU	PITES	116	*DES	038		8	13.5 / 54.2	00	07.49	
			P08	270/048		100	N4943.7 E00631.2/.....		
-EDGG	EDSB	116	*DES	041		37	13.4 / 54.4	05	07.54	
			P08	272/026		63	N4926.3 E00721.3/.....		

M150	LADAT	116	*DES 041	22	13.3 / 54.4	03	07.57
			P07 256/028	41	N4915.9 E00750.4/.....	
LADA1L	ABKUT	134	*DES 055	23	13.1 / 54.5	05	08.02
			P06 267/013	18	N4859.0 E00815.0/.....	
LADA1L	KBA	206	*DES 055 431.0	13	12.8 / 54.8	05	08.07
	KARLSRUHE/BADEN-BADE		P08 264/006	5	N4847.9 E00805.9/.....	
LADA1L	EDSB/21	208	409 055	5	12.8 / 54.9	01	08.08
	KARLSRUHE/BADEN-BADE				N4847.3 E00805.4/.....	

WIND INFORMATION - OBS 20/JUL 12:00

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(CLIMB)          SIDAE          CREEP          DUTSH
FL340 346/003 -41 FL390 285/010 -53 FL390 295/016 -52 FL390 304/013 -52
FL270 335/005 -24 FL370 290/012 -48 FL370 288/016 -47 FL370 289/013 -47
FL200 021/003 -8  FL350 293/014 -43 FL350 284/017 -43 FL350 272/014 -43
13000 146/001 +5  FL330 293/015 -38 FL330 278/018 -38 FL330 261/016 -38
 6000 234/007 +17 FL310 290/015 -33 FL310 271/019 -34 FL310 255/017 -33

JHW             SYR             YSC             MIILS
FL390 282/041 -53 FL410 259/048 -57 FL410 271/071 -56 FL410 286/094 -55
FL370 279/039 -48 FL390 259/049 -53 FL390 270/073 -52 FL390 287/102 -52
FL350 274/037 -42 FL370 260/047 -48 FL370 273/070 -48 FL370 288/103 -49
FL330 270/035 -37 FL350 261/044 -43 FL350 278/066 -44 FL350 290/102 -44
FL310 268/032 -33 FL330 265/040 -38 FL330 281/063 -39 FL330 289/100 -40

TUDEP          5250N          5340N          5430N
FL410 310/022 -51 FL410 354/025 -51 FL410 318/007 -44 FL410 242/026 -45
FL390 310/018 -52 FL390 006/031 -53 FL390 347/007 -43 FL390 239/029 -44
FL370 331/011 -51 FL370 017/035 -52 FL370 015/008 -45 FL370 236/027 -45
FL350 033/009 -50 FL350 028/040 -51 FL350 034/011 -46 FL350 232/024 -45
FL330 056/011 -47 FL330 032/041 -48 FL330 044/014 -47 FL330 225/019 -45

5420N          DOGAL          BAKUR          GAVGO
FL410 258/052 -47 FL410 264/056 -48 FL410 277/054 -52 FL410 281/047 -52
FL390 260/062 -47 FL390 266/069 -49 FL390 280/064 -53 FL390 286/053 -53
FL370 257/070 -47 FL370 265/079 -49 FL370 281/071 -52 FL370 288/057 -52
FL350 254/079 -47 FL350 263/090 -48 FL350 283/078 -51 FL350 289/060 -50
FL330 252/080 -46 FL330 262/091 -46 FL330 282/079 -48 FL330 289/061 -48

UMTUM          KOMOB          (DESCENT)
FL410 270/050 -53 FL410 270/048 -55 FL360 255/063 -53
FL390 269/056 -54 FL390 271/056 -56 FL290 256/056 -37
FL370 270/059 -52 FL370 271/059 -54 FL210 251/047 -18
FL350 271/061 -50 FL350 272/061 -51 FL140 251/042 -5
FL330 272/062 -47 FL330 272/062 -47 FL070 253/031 +8

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 END FLIGHTPLAN 03280 TCC211B PJTGD KMEM-EDSB 20JUL2019

[ATC FLIGHTPLAN]

(FPL-TCC211B-IS

-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2

-KMEM2210

-N0499F350 ELVIS4 MEM Q29 JHW DCT GEE/N0491F370 DCT SYR DCT YSC

DCT MIILS N443A TUDEP DCT 52N050W 53N040W 54N030W/M085F370

54N020W DCT DOGAL/N0493F370 DCT BEXET DCT BAKUR N546 STU UL9

KONAN UL607 KOK UM150 PITES M150 LADAT

-EDSB0808 EDTL

-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/190720 REG/PJTGD

EET/KZID0026 KZOB0058 KZBW0137 CZUL0202 KZBW0213 CZQM0226

CZUL0243 CZQX0256 52N050W0351 53N040W0438 54N030W0520 EGGX0521

54N020W0600 EISN0618 EGT0656 EBUR0728 EDUU0749 EDGG0750

SEL/EFAD CODE/484DC6 RVR/75 OPR/TRADEWIND CARIBBEAN

ORGN/TNCCTCAP PER/D

RALT/EINN BIKF CYQX

RMK/TCAS

-E/1013)

[PLANNING WEATHER]

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

UTC -05:00

KMEM 201754Z 25007KT 10SM FEW050 33/24 A2999 RMK A02 SLP151 T03280244
10333 20256 56011 \$
KMEM 201724Z 2018/2124 21007KT P6SM VCSH BKN040
FM210000 19005KT P6SM FEW050 SCT250
FM211500 21007KT P6SM SCT030
FM211800 22007KT P6SM BKN040

DESTINATION: EDSB/FKB (KARLSRUHE/BADEN-BADEN, GERMANY)

UTC +02:00

EDSB 201820Z 27005KT 230V310 CAVOK 28/16 Q1013
EDSB 201700Z 2018/2118 22008KT CAVOK
PROB30 TEMPO 2018/2020 25015G30KT TSRA SCT055CB
PROB40 TEMPO 2020/2102 26020G35KT TSRA BKN040CB
BECMG 2111/2113 28005KT

ALTERNATE: EDTL/LHA (LAHR, GERMANY)

UTC +02:00

EDTL 191750Z 02006KT CAVOK 26/15 Q1014
EDTL 201700Z 2018/2024 22007KT CAVOK
PROB30 TEMPO 2018/2020 25015G30KT TSRA SCT055CB
PROB40 TEMPO 2020/2024 26020G35KT TSRA BKN040CB

EDTO AIRPORT: EINN/SNN (SHANNON, IRELAND)

UTC +01:00

EINN 201800Z 25013KT 9999 FEW024 SCT060 18/12 Q1011 NOSIG
EINN 201700Z 2018/2118 25012KT 9999 FEW020 BKN030
BECMG 2020/2022 24007KT
BECMG 2022/2024 19008KT
BECMG 2101/2104 16010KT
PROB30 TEMPO 2102/2105 4000 BR
PROB40 TEMPO 2106/2108 BKN012
BECMG 2107/2109 19014KT
TEMPO 2112/2117 20015G26KT
TEMPO 2112/2115 4000 RA BKN010
TEMPO 2115/2118 3000 -RA BR BKN006
PROB30 TEMPO 2115/2117 RA

EDTO AIRPORT: BIKF/KEF (KEFLAVIK, ICELAND)

UTC +00:00

BIKF 201800Z 36011KT 9999 VCSH FEW026CB SCT034 BKN074 16/10 Q1003
BIKF 201607Z 2018/2118 03012KT 9999 FEW025 SCT045 TX18/2018Z TN10/2106Z
TEMPO 2018/2022 SHRA BKN025CB
BECMG 2023/2102 10008KT BKN015 OVC025
PROB40 TEMPO 2105/2109 SHRA BKN010
BECMG 2110/2113 35008KT SCT020 BKN035
TEMPO 2114/2118 SHRA BKN020CB

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

UTC -02:30

CYQX 201800Z 01009KT 340V040 20SM FEW013 OVC019 14/09 A2966 RMK SC15C7
SLP047 DENSITY ALT 800FT
CYQX 201738Z 2018/2118 03005KT P6SM BKN020
TEMPO 2018/2102 SCT020
BECMG 2100/2102 13008KT
FM210200 13008KT P6SM SCT003 BKN040
PROB30 2102/2110 1SM BR OVC003
FM211000 14010KT P6SM FEW006 BKN015
FM211500 14010KT 2SM -RA BR OVC002
RMK NXT FCST BY 210000Z

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

UTC -04:00

KCVG 201752Z 20018G22KT 10SM SCT037 SCT150 33/22 A2997 RMK A02 SLP137
60000 T03280222 10328 20256 58012 \$
KCVG 201815Z 2018/2124 20012G20KT P6SM SCT025 SCT035
FM202300 22004KT P6SM FEW150
FM211400 24007KT P6SM SCT040 SCT150
FM211900 22006KT P6SM VCTS BKN050CB

ADEQUATE: KCLE/CLE (CLEVELAND-HOPKINS INTL, UNITED STATES)

UTC -04:00

KCLE 201751Z 21011KT 10SM SCT220 33/22 A2990 RMK A02 SLP115 T03280217
10333 20256 58006 \$
KCLE 201735Z 2018/2124 24011KT P6SM SCT250
FM210100 23008KT P6SM VCTS SCT060CB BKN100
FM210400 23007KT P6SM FEW050 SCT110
FM210800 24006KT P6SM BKN250
FM211500 35005KT P6SM BKN035

ADEQUATE: KBUF/BUF (BUFFALO NIAGARA INTL, UNITED STATES)

UTC -04:00

KBUF 201754Z 22017G25KT 10SM FEW050 FEW150 SCT200 29/21 A2983 RMK A02
SLP096 T02890211 10294 20256 56010
KBUF 201733Z 2018/2118 24018G26KT P6SM SCT050 BKN200
FM202300 23012KT P6SM BKN050
FM210500 22008KT P6SM -TSRA OVC040CB
FM210700 27010KT P6SM VCSH OVC025
FM211100 27008KT P6SM BKN040

ADEQUATE: CYUL/YUL (PIERRE ELLIOTT TRUDEAU INTL, CANADA)

UTC -04:00

CYUL 201800Z 21014KT 15SM FEW030 FEW250 31/22 A2969 RMK CU1CI2 CU TR
SLP055 DENSITY ALT 2300FT
CYUL 201738Z 2018/2118 24010KT P6SM FEW030 BKN220
FM202000 25012G22KT P6SM BKN040 OVC220
PROB30 2020/2101 2SM TSRA BR SCT008 BKN040CB OVC190
FM210100 26007KT P6SM SCT040
FM210500 23005KT P6SM BKN140
FM210700 25007KT P6SM -RA OVC040
FM210900 22007KT 6SM -RA BR BKN012 OVC025
PROB30 2109/2115 4SM -RA BR OVC006
FM211500 26010KT P6SM OVC012
RMK NXT FCST BY 202100Z

ADEQUATE: EGLL/LHR (HEATHROW, UNITED KINGDOM)

UTC +01:00

EGLL 201820Z AUTO 28014KT 9999 NCD 22/12 Q1012
EGLL 201656Z 2018/2124 27010KT 9999 SCT040

ADEQUATE: EBBR/BRU (BRUSSELS NATIONAL, BELGIUM)

UTC +02:00

EBBR 201820Z 25013KT CAVOK 22/12 Q1013 NOSIG
EBBR 201720Z 2018/2124 24009KT 9999 FEW038
PROB30 TEMPO 2104/2107 4500 BR BKN008

ADEQUATE: ELLX/LUX (LUXEMBOURG, LUXEMBOURG)

UTC +02:00

ELLX 201820Z 28014KT CAVOK 25/14 Q1014 NOSIG
ELLX 201700Z 2018/2124 26010KT CAVOK
TEMPO 2018/2022 SHRA SCT040TCU
PROB40 TEMPO 2018/2022 VRB20G35KT 3000 TSRAGR BKN040CB

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/3 TRACKS FLS 310/390 INCLUSIVE
JUL 20/1130Z TO JUL 20/1900Z
PART ONE OF THREE PARTS-

A ERAKA 60/20 61/30 60/40 58/50 CUDDY
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370
EUR RTS WEST NIL
NAR NIL-

B GOMUP 59/20 60/30 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-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 310/390 INCLUSIVE
JUL 20/1130Z TO JUL 20/1900Z
PART TWO OF THREE PARTS-

C SUNOT 58/20 59/30 58/40 55/50 LOMSI
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

D PIKIL 57/20 58/30 57/40 54/50 NEEKO
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

E ETARI 5630/20 5730/30 5630/40 5330/50 PELTU
EAST LVLS NIL
WEST LVLS 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

F RESNO 56/20 57/30 56/40 53/50 RIKAL
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
JUL 20/1130Z TO JUL 20/1900Z
PART THREE OF THREE PARTS-

G DOGAL 55/20 56/30 55/40 52/50 TUDEP
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

REMARKS.

1. TMI IS 201 AND OPERATORS ARE REMINDED TO INCLUDE THE TMI NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
2. 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.
3. OPERATORS ARE REMINDED THAT ADS-C AND CPDLC IS MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
4. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS
TRACK D
TRACK E
TRACK F
END OF PBCS OTS
5. 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.
6. 80 PERCENT OF GROSS NAVIGATION ERRORS RESULT FROM POOR COCKPIT PROCEDURES. CONDUCT EFFECTIVE WAYPOINT CHECKS.
7. OPERATORS ARE REMINDED THAT CLEARANCES MAY DIFFER FROM THE FLIGHT PLAN, FLY THE CLEARANCE.
8. 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
JUL 21/0100Z TO JUL 21/0800Z
PART ONE OF THREE PARTS-

R ELSIR 50/50 52/40 53/30 54/20 DOGAL BEXET
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N333B N329B N325A-

S IBERG 4930/50 5130/40 5230/30 5330/20 NEBIN OLGON
EAST LVLS 350 360 370 380 390
WEST LVLS NIL
EUR RTS EAST NIL
NAR N303B N301B N293A-

T JOOPY 49/50 51/40 52/30 53/20 MALOT GISTI
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N269A N261A-

U NICSO 48/50 50/40 51/30 52/20 LIMRI XETBO
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N211E N197A-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 320/400 INCLUSIVE
JUL 21/0100Z TO JUL 21/0800Z
PART TWO OF THREE PARTS-

V OMSAT 4730/50 4930/40 5030/30 5130/20 ADARA LEKVA
EAST LVLS 350 360 370 380 390
WEST LVLS NIL
EUR RTS EAST NIL
NAR N183A N169A-

W PORTI 47/50 49/40 50/30 51/20 DINIM ELSOX
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N155A N135A-

X SUPRY 46/50 48/40 49/30 50/20 SOMAX ATSUR
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N93A N73A-

Y DOVEY 42/60 43/50 44/40
EAST LVLS 330 350 370
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 320/400 INCLUSIVE
JUL 21/0100Z TO JUL 21/0800Z
PART THREE OF THREE PARTS-

Z SOORY 44/50 47/40 48/30 49/20 BEDRA NASBA
EAST LVLS 320 360 380 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

REMARKS:

- 1.TMI IS 202 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
TRACK W
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

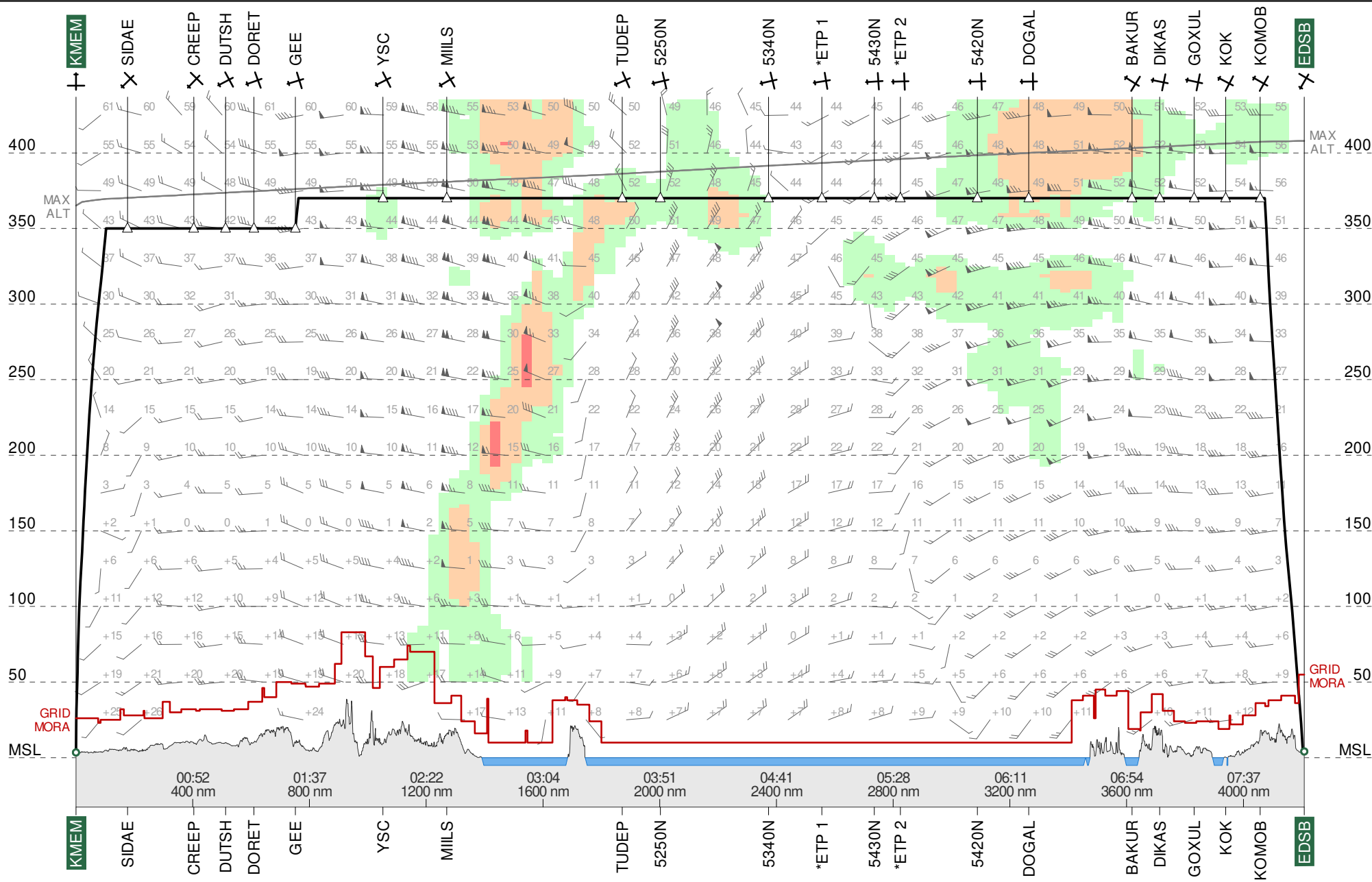
PLANNING RULES AS DEFINED IN THE CANADA FLIGHT SUPPLEMENT
OR WITH ROUTES AS CONTAINED IN THE DAILY BOSTON ADVISORY. -

END OF PART THREE OF THREE PARTS)

TR211B #2

KMEM → EDSB

ETD 20 Jul 22:10z
PJTGD B77L



Wind Chart

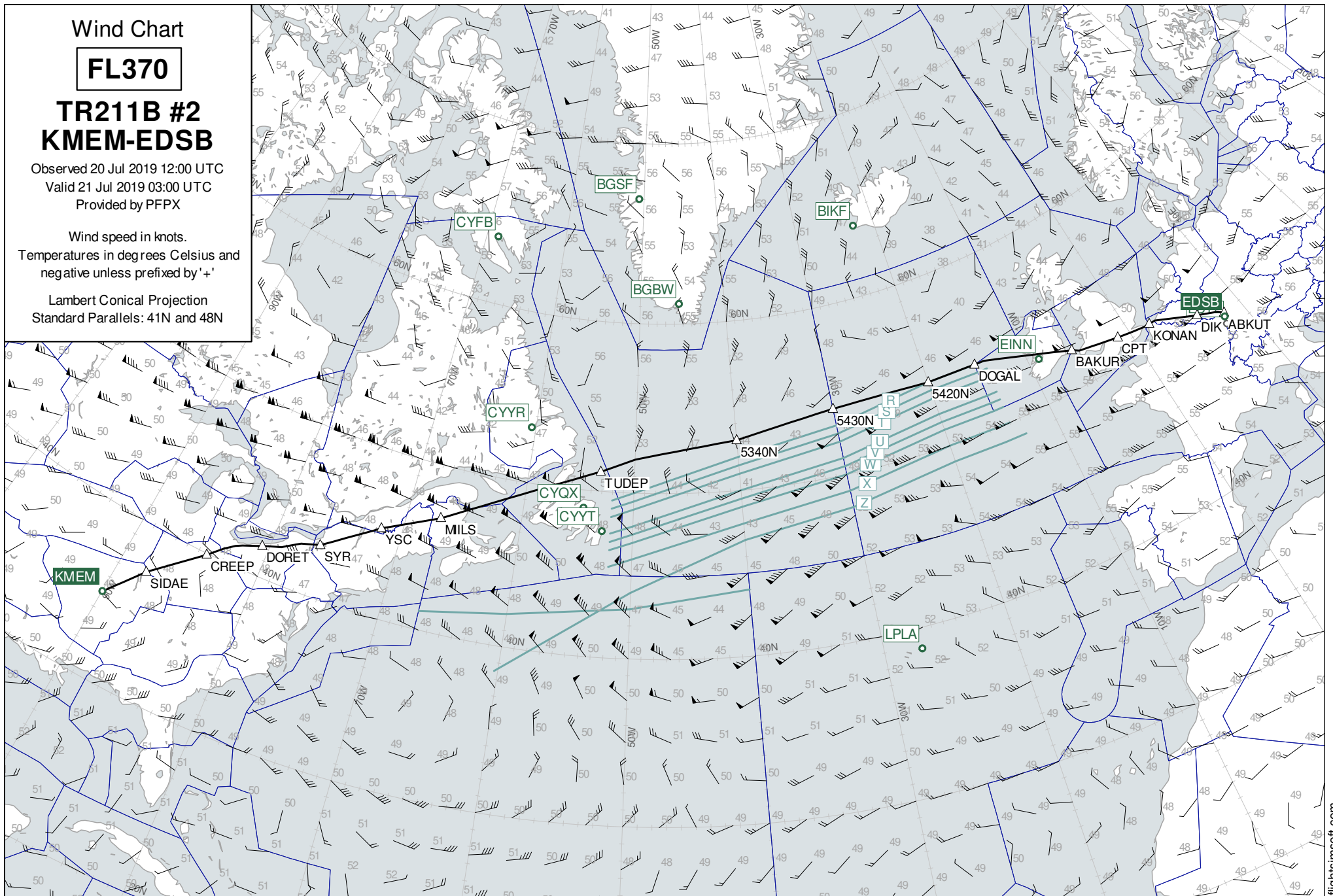
FL370

TR211B #2 KMEM-EDSB

Observed 20 Jul 2019 12:00 UTC
Valid 21 Jul 2019 03:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 41N and 48N



Wind Chart

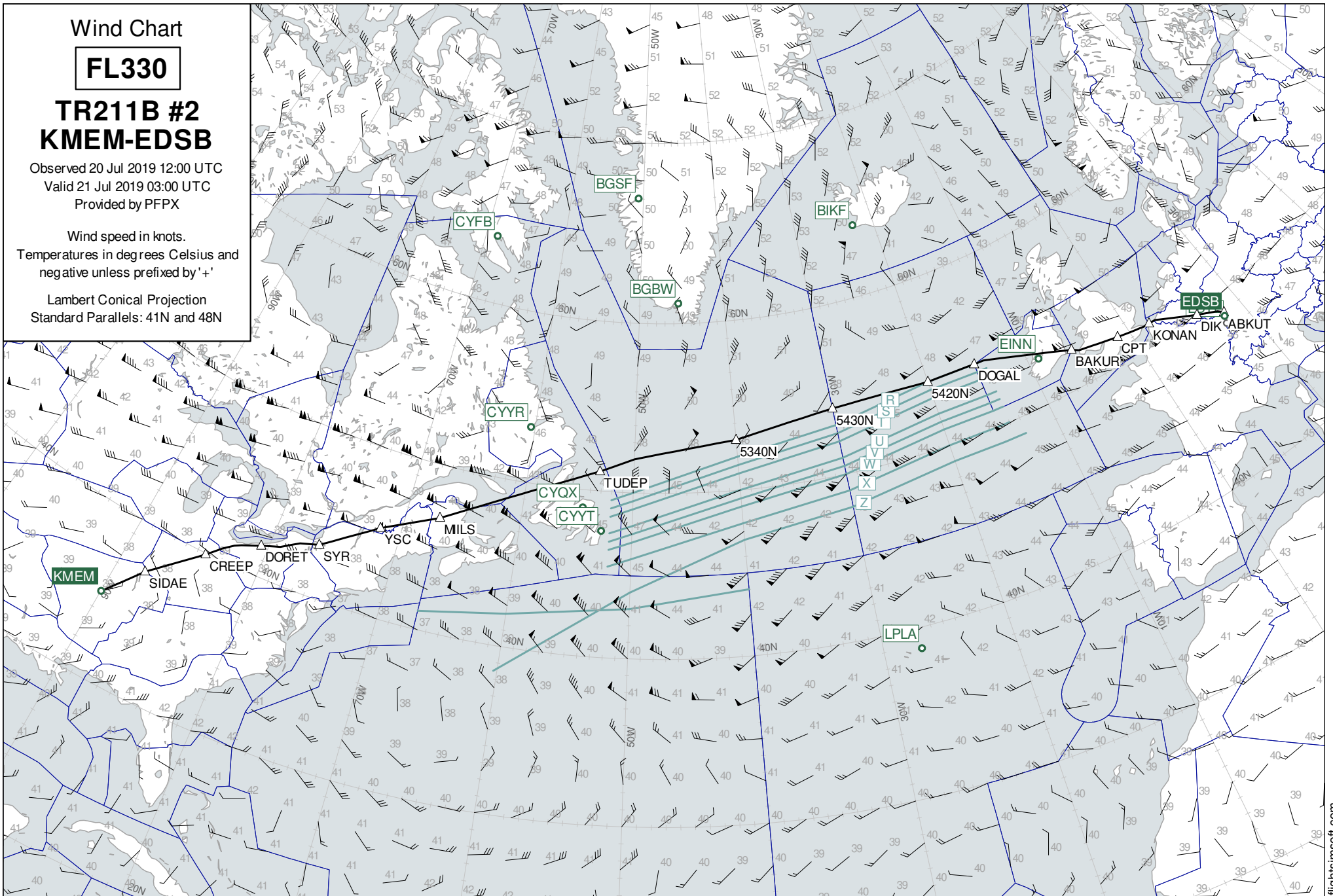
FL330

TR211B #2 KMEM-EDSB

Observed 20 Jul 2019 12:00 UTC
Valid 21 Jul 2019 03:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 41N and 48N



Wind Chart

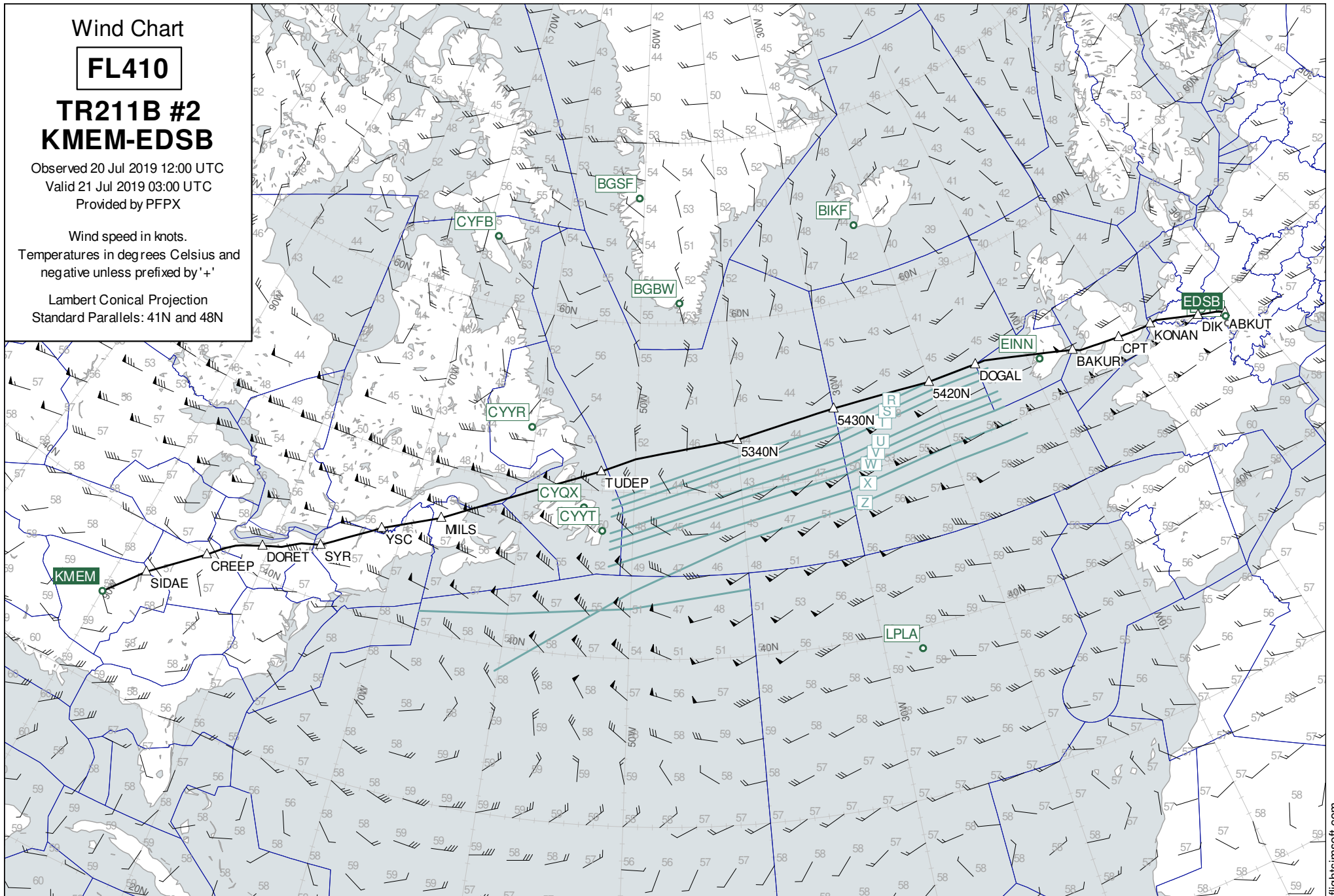
FL410

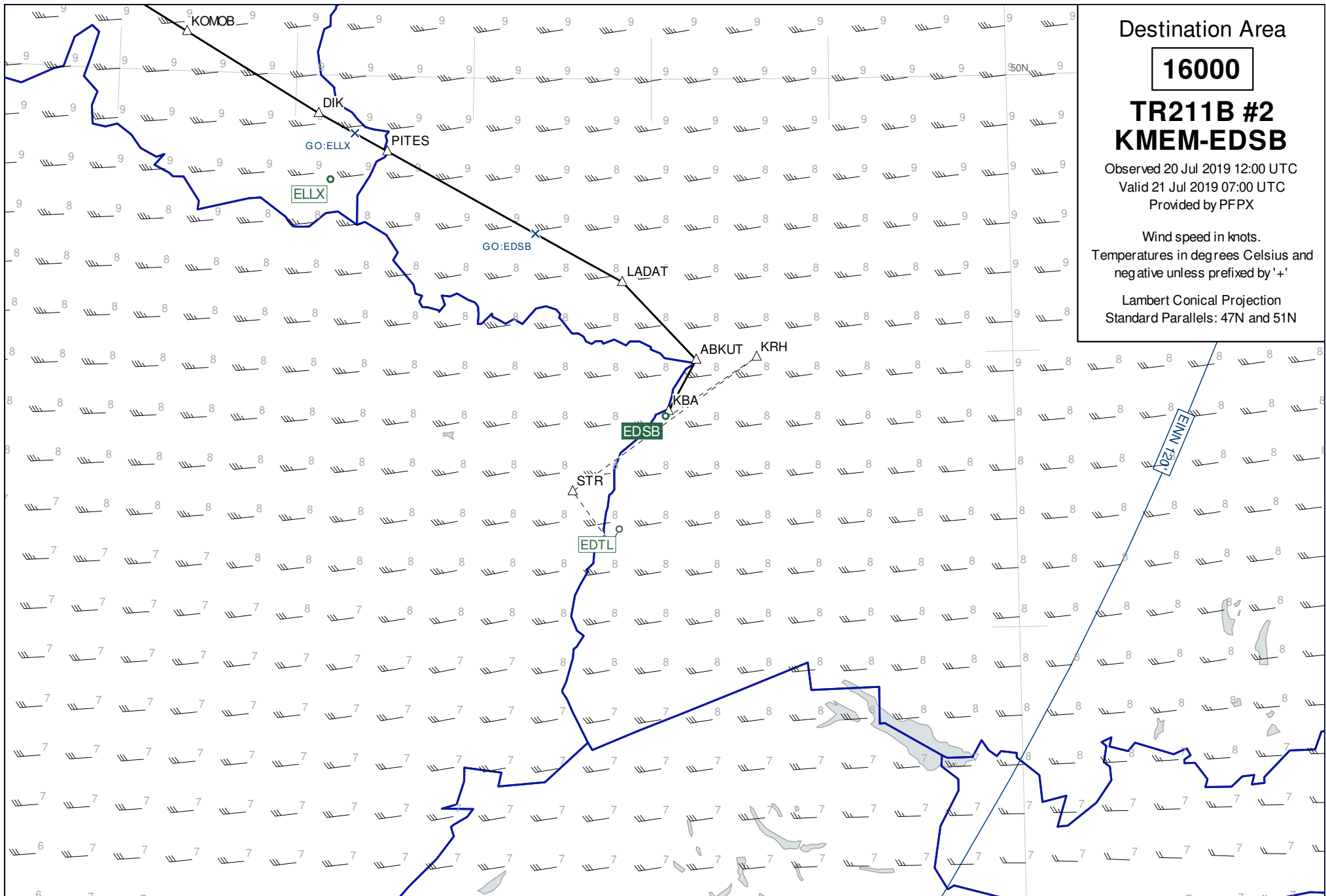
TR211B #2 KMEM-EDSB

Observed 20 Jul 2019 12:00 UTC
Valid 21 Jul 2019 03:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 41N and 48N





Destination Area

16000

TR211B #2
KMEM-EDSB

Observed 20 Jul 2019 12:00 UTC
Valid 21 Jul 2019 07:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 47N and 51N

ENR 120

Plotting Chart TR211B #2 KMEM-EDSB

20 Jul 2019
PJTGD B77L

Lambert Conical Projection
Standard Parallels: 51N and 52N

