



Tradewind VA



Flight Briefing Package

TCC211D 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 1845 UTC

Fuel Planning (lb)	EU-OPS	Fuel	Time
TRIP		89.530	08:08
CONT 5%		4.477	00:31
HOLD	EDSB	2.892	00:20
ALTN	EDTL	4.204	00:21
FINAL RESV		4.336	00:30
ADD FUEL		1.940	00:12
MIN T/O		107.379	10:02
EXTRA		2.169	00:15
TAXI		1.325	00:25
RELEASE	KMEM	110.873	10:42
ARR FUEL	EDSB	19.382	01:57

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		110.873	218.676
Ramp Weight		451.102	547.000
Take-Off Weight KMEM		449.777	545.000
Landing Weight EDSB		360.247	425.000
Underload		59.771	Lim ZFW
Max Extra Fuel		64.753	Lim CAP

Cost Planning		
Flight Time	08:08\$	40.932
Fuel	91.491\$	32.589
Total		\$ 73.521
Per Pax		\$ 293
Per 10.000 lb Payload		\$ 14.082

TRADEWIND ALASKA FLIGHTPLAN - IFR TCC211D N78901 KMEM-EDSB

 ALL WEIGHTS IN POUNDS (LB) STD 20JUL/2220Z

OPF 2 - PREPARED 20JUL/1845Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR211D/TCC211D N78901/B789-1B74-75 SEL/AHBF ROUTE: KMEDSB01

DEP: KMEM/MEM 18C ELEV 341 FT COST INDEX: 100 TTL G/C DIST: 4155 NM
 ARR: EDSB/FKB 21 ELEV 409 FT INIT ALT: FL370 TTL F/P DIST: 4209 NM
 FUEL BIAS: 100.0% TTL AIR DIST: 3927 NM
 AVG WIND CMP: TL035 KT

ALT: EDTL/LHA 03 ELEV 511 FT 93 NM

CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM	ZFW	TOW	LDW
STANDARD	288021	251	0	52208	59771 ZFW	MAX 400000	545000	425000
						PLN 340229	449777	360247
						ACT .....	.....	.....

	FUEL	CORR	ENDUR	
TRIP	89530	.....	08:08	
CONT 5%	4477	.....	00:31	
ALTN EDTL	4204	.....	00:21	
FINAL RESV	4336	.....	00:30	
HOLD	2892	.....	00:20	
ADD FUEL	1940	.....	00:12	
MIN T/O	107379	.....	10:02	.....
EXTRA	2169	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	1325	.....	00:25	
RELEASE	110873	.....	10:42	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	19382	.....	01:57	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 218676 LB / MAX EXTRA FUEL 66922 LB LIM BY CAPACITY
 TRIP CORR FOR 10000 LB TOW INCR: +1713 LB / 10000 LB TOW DECR: -1593 LB
 2000 FT LOWER: +1197 LB / EET 08:08 CLB: 250/310/85 DES: 85/310/250

 KMEM STD 22:20Z/17:20L ETD 22:20Z ACT OFBL EST T/O 22:45Z ACT T/O
 EDSB STA 07:30Z/09:30L ETA 07:05Z ACT ONBL EST LDG 06:53Z 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)	79 NM BEFORE 5340N	N52 51.5 W042 09.7	EET 04:28
ETOPS EXIT (EINN)	120 NM BEFORE 5420N	N54 05.6 W023 24.0	EET 05:46

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

CYQX (04:31-06:07)
 EINN (05:42-06:12)
 BIKF (05:50-06:12)

ALL ENG DECMP ETP 1 FOR CYQX/BIKF	N53 36.6 W035 00.2	EET 04:59
90/360 DESC TO FL100 CRUISE AT LRC	179 NM BEFORE 5430N	
PLN FUEL OVER ETP 49088 ETP FUEL REQ 27081	DIV TIME 02:16	
ETP TO CYQX (N48 56.2 W054 34.1) DIST 784 NM	WC TL008 TT 257	
ETP TO BIKF (N63 59.1 W022 36.3) DIST 731 NM	WC HD014 TT 027	

ONE ENG OUT DECMP ETP 1 FOR CYQX/BIKF	N53 36.9 W034 57.7	EET 04:59
1EO 90/360 DESC TO FL100 CRUISE AT 1EOLRC	178 NM BEFORE 5430N	

PLN FUEL OVER ETP 49057 ETP FUEL REQ 26961 DIV TIME 02:23
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 786 NM WC TL008 TT 257
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 730 NM WC HD014 TT 027

ONE ENG OUT ETP 1 FOR CYQX/BIKF N53 40.0 W034 25.2 EET 05:01
 1EO 85/310/250 DESC TO FL255 CRUISE AT 1EOLRC 158 NM BEFORE 5430N
 PLN FUEL OVER ETP 48653 ETP FUEL REQ 24476 DIV TIME 02:03
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 805 NM WC TL007 TT 258
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 718 NM WC HD033 TT 026

ONE ENG OUT ETP 2 FOR BIKF/EINN N53 48.6 W032 47.5 EET 05:08
 1EO 85/310/250 DESC TO FL255 CRUISE AT 1EOLRC 99 NM BEFORE 5430N
 PLN FUEL OVER ETP 47451 ETP FUEL REQ 23654 DIV TIME 01:58
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 687 NM WC HD032 TT 023
 ETP TO EINN (N52 42.1 W008 55.5) DIST 857 NM WC TL049 TT 085

ONE ENG OUT DECMP ETP 2 FOR BIKF/EINN N54 04.6 W027 33.5 EET 05:29
 1EO 90/360 DESC TO FL100 CRUISE AT 1EOLRC 267 NM BEFORE 5420N
 PLN FUEL OVER ETP 43717 ETP FUEL REQ 22437 DIV TIME 01:57
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 614 NM WC HD008 TT 012
 ETP TO EINN (N52 42.1 W008 55.5) DIST 671 NM WC TL018 TT 089

ALL ENG DECMP ETP 2 FOR BIKF/EINN N54 04.7 W027 28.4 EET 05:30
 90/360 DESC TO FL100 CRUISE AT LRC 264 NM BEFORE 5420N
 PLN FUEL OVER ETP 43657 ETP FUEL REQ 22526 DIV TIME 01:52
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 614 NM WC HD008 TT 012
 ETP TO EINN (N52 42.1 W008 55.5) DIST 668 NM WC TL019 TT 090

ATC ROUTE: N0496F370 ELVIS4 MEM Q29 JHW/N0488F390 DCT GEE DCT SYR DCT YSC DCT
 MILLS N443A TUDEP DCT 52N050W 53N040W 54N030W/M085F390 54N020W DCT
 DOGAL/N0494F390 DCT BEXET DCT BAKUR N546 STU UL9 KONAN UL607 KOK
 UM150 PITES M150 LADAT LADA1L

ALTERNATE PLANNING

 ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE
 EDTL/03 93 FL140 059 HD007 00:21 4204 - KRH DCT STR

MOST CRITICAL MORA 8300 FT AT YSC

AWY -FIR	WAYPOINT NAME	MT	ALT ISA	MSA	FREQ WIND/SPD	TAS GS	LEG REM	FUEL REM / USED POSITION	LEG ETO / ATO	ACC
	KMEM/18C MEMPHIS INTL		341	026				109.5 / 1.3 4209 N3503.3 W08958.6/.....	
ELVIS4	MEM MEMPHIS	190	*CLB	026	117.50 P14 206/006		2 4206	108.8 / 2.1 N3500.9 W08959.0	01/.....	00.01
Q29	OMDUE	038	*CLB	026	P14 314/006		83 4123	102.6 / 8.3 N3607.8 W08858.2	14/.....	00.15
Q29	*TOC	039	FL370	032	P09 291/010	496 498	77 4046	99.7 / 11.2 N3709.0 W08800.5	09/.....	00.24
Q29	SIDAE	040	FL370	032	P09 290/011	496 498	14 4032	99.3 / 11.5 N3720.0 W08750.0	01/.....	00.25
Q29 -KZID	*BDRY	049	FL370	028	P08 289/012	496 499	8 4024	99.1 / 11.7 N3725.8 W08742.5	01/.....	00.26

	KCVG	049	FL370	028		36	98.3 / 12.6	05	00.31
				P08	298/021	3988	N3751.0 W08709.7/.....	
Q29	CREEP	050	FL370	037		497 183	94.1 / 16.8	21	00.52
				P09	288/016	504 3805	N3955.3 W08418.5/.....	
Q29	*BDRY	050	FL370	032		497 53	92.9 / 18.0	07	00.59
-KZOB				P09	289/015	502 3752	N4033.5 W08329.7/.....	
Q29	KLYNE	051	FL370	032		497 12	92.6 / 18.3	01	01.00
				P09	295/014	502 3740	N4041.9 W08318.7/.....	
	KCLE	059	FL370	032		21	92.1 / 18.7	03	01.03
				P08	288/026	3719	N4054.8 W08256.8/.....	
Q29	DUTSH	060	FL370	032		497 22	91.6 / 19.3	02	01.05
				P09	291/012	502 3696	N4108.4 W08233.2/.....	
Q29	WWSHR	069	FL370	031		496 26	91.0 / 19.8	03	01.08
				P09	273/011	506 3670	N4120.6 W08203.1/.....	
Q29	DORET	075	FL370	037		496 71	89.4 / 21.5	09	01.17
				P09	293/024	507 3599	N4148.1 W08035.1/.....	
Q29	JHW	079	*CLB	046	114.70	69	87.9 / 23.0	08	01.25
	JAMESTOWN			P09	278/039	3530	N4211.3 W07907.3/.....	
	KBUF	068	FL390	050		62	86.4 / 24.5	07	01.32
				P03	265/051	3468	N4244.4 W07756.4/.....	
DCT	GEE	069	FL390	049	108.20	487 11	86.2 / 24.7	01	01.33
	GENESE0			P04	265/048	530 3457	N4250.1 W07744.0/.....	
DCT	*BDRY	085	FL390	049		487 45	85.3 / 25.6	05	01.38
-KZBW				P04	261/048	535 3412	N4302.8 W07645.0/.....	
DCT	SYR	086	FL390	047	117.00	488 25	84.7 / 26.1	03	01.41
	SYRACUSE			P04	258/049	536 3387	N4309.6 W07612.3/.....	
	CYUL	066	FL390	062		81	83.1 / 27.8	09	01.50
				P04	255/067	3306	N4356.2 W07441.5/.....	
DCT	*BDRY	069	FL390	083		488 115	80.7 / 30.2	13	02.03
-CZUL				P04	266/071	547 3191	N4500.7 W07227.4/.....	
DCT	YSC	071	FL390	060	113.20	488 34	80.0 / 30.8	04	02.07
	SHERBROOKE			P04	269/073	549 3157	N4519.0 W07147.3/.....	
DCT	*BDRY	078	FL390	065		488 65	78.7 / 32.1	07	02.14
-KZBW				P04	277/077	551 3092	N4548.1 W07024.1/.....	
DCT	*BDRY	080	FL390	074		488 120	76.4 / 34.5	13	02.27
-CZQM				P04	287/100	558 2971	N4639.1 W06746.9/.....	
DCT	MIILS	083	FL390	036		488 33	75.7 / 35.1	03	02.30
				P04	286/101	560 2938	N4652.4 W06702.9/.....	
	CYQX	077	FL390	041		41	74.9 / 35.9	05	02.35
				P04	272/098	2897	N4713.0 W06610.9/.....	
N443A	*BDRY	078	FL390	041		490 89	73.2 / 37.6	09	02.44
-CZUL				P06	274/108	574 2808	N4756.3 W06415.9/.....	

N443A *BDRY 080 FL390 039 493 123 70.9 / 40.0 13 02.57
-CZQX P09 278/093 569 2685 N4852.9 W06131.3/.....

N443A TUDEP 082 FL390 040 491 348 63.9 / 47.0 39 03.36
P04 309/018 500 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 FL390 010 491 131 61.1 / 49.8 16 03.52
52N050W P04 005/030 477 2206 N5200.0 W05000.0/.....

----- ETOPS ENTRY (CYQX) 0079 NM BEFORE 5340N EET 04:28 -----

DCT 5340N 100 FL390 010 501 371 53.0 / 57.9 45 04.37
53N040W P13 347/006 502 1836 N5300.0 W04000.0/.....

*ETP 1 093 FL390 010 502 183 49.1 / 61.8 22 04.59
CYQX/BIKF P13 241/013 512 1653 N5336.6 W03500.2/.....

DCT 5430N 095 FL390 010 501 179 45.4 / 65.4 21 05.20
-EGGX 54N030W P12 238/029 526 1473 N5400.0 W03000.0/.....

*ETP 2 099 FL390 010 500 89 43.7 / 67.2 10 05.30
BIKF/EINN P12 244/037 530 1384 N5404.7 W02728.4/.....

----- ETOPS EXIT (EINN) 0120 NM BEFORE 5420N EET 05:46 -----

DCT 5420N 101 FL390 010 496 264 38.6 / 72.2 29 05.59
54N020W P09 259/062 556 1120 N5400.0 W02000.0/.....

DCT DOGAL 097 FL390 010 494 177 35.4 / 75.4 19 06.18
P08 266/069 563 944 N5400.0 W01500.0/.....

DCT BEXET 096 FL390 010 494 35 34.8 / 76.1 04 06.22
-EISN P07 267/071 565 908 N5400.0 W01400.0/.....

DCT BAKUR 112 FL390 045 489 318 29.1 / 81.7 34 06.56
-EGTT P04 279/064 554 590 N5214.5 W00540.8/.....

EGLL 124 FL390 019 16 28.8 / 82.0 01 06.57
P00 282/063 574 N5205.9 W00518.3/.....

N546 STU 124 FL390 019 113.10 490 12 28.6 / 82.2 02 06.59
STRUMBLE P04 281/059 545 563 N5159.7 W00502.4/.....

UL9 DIKAS 103 FL390 042 490 67 27.4 / 83.5 07 07.06
P04 283/055 547 495 N5146.6 W00315.6/.....

UL9 GAVGO 103 FL390 042 490 59 26.4 / 84.5 07 07.13
P04 285/053 543 436 N5133.8 W00142.6/.....

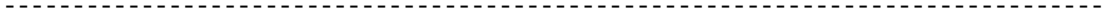
UL9 KENET 106 FL390 024 490 10 26.2 / 84.7 01 07.14
P04 284/053 543 426 N5131.2 W00127.3/.....

UL9 CPT 102 FL390 024 114.35 490 9 26.0 / 84.9 01 07.15
COMPTON P04 283/053 543 417 N5129.5 W00113.2/.....

UL9	NORRY	102	FL390	024	490	4	25.9 / 84.9	00	07.15
			P04	282/053	543	414	N5128.8 W00107.4/.....	
UL9	LINDY	102	FL390	024	490	3	25.9 / 85.0	00	07.15
			P04	282/053	543	411	N5128.2 W00103.0/.....	
UL9	GOXUL	102	FL390	024	489	33	25.3 / 85.6	04	07.19
			P03	276/055	544	377	N5121.5 W00010.6/.....	
UL9	BIG BIGGIN	102	FL390	024	115.10	489	25.1 / 85.7	01	07.20
			P03	274/055	544	369	N5119.9 E00002.1/.....	
UL9	DIKVU	101	FL390	024	489	11	24.9 / 85.9	01	07.21
			P03	273/056	544	358	N5117.8 E00019.0/.....	
UL9	LAVRI	101	FL390	024	489	10	24.8 / 86.1	01	07.22
			P03	271/056	544	348	N5115.8 E00034.8/.....	
UL9	EMKAD	101	FL390	024	489	5	24.7 / 86.2	01	07.23
			P03	271/056	544	343	N5114.8 E00042.6/.....	
UL9	UMTUM	101	FL390	024	489	12	24.5 / 86.4	01	07.24
			P03	269/056	544	331	N5112.5 E00101.1/.....	
	ELLX	102	FL390	024		1	24.4 / 86.4	00	07.24
			M02	270/054		330	N5112.2 E00103.2/.....	
UL9	DVR DOVER	102	FL390	024	114.95	488	24.2 / 86.6	02	07.26
			P03	268/056	543	318	N5109.8 E00121.6/.....	
UL9 -EBUR	KONAN	094	FL390	024	488	24	23.8 / 87.1	02	07.28
			P02	267/056	544	294	N5107.9 E00200.0/.....	
UL607	KOK KOKSY	094	FL390	019	114.50	488	23.3 / 87.5	03	07.31
			P02	267/055	544	269	N5105.7 E00239.1/.....	
	EBBR	117	FL390	028		13	23.1 / 87.8	01	07.32
			M02	275/052		257	N5059.7 E00257.1/.....	
	EDSB	117	FL390	028		30	22.6 / 88.3	04	07.36
			M02	278/052		227	N5045.8 E00338.2/.....	
UM150	KOMOB	117	FL390	036	486	76	21.2 / 89.7	08	07.44
			P00	270/055	535	151	N5008.6 E00522.4/.....	
UM150	*TOD	118	FL390	036	486	1	21.2 / 89.7	00	07.44
			P00	270/055	534	150	N5008.2 E00523.6/.....	
UM150	DIK DIEKIRCH	118	*DES	038	114.40	33	21.0 / 89.8	04	07.48
			P06	274/057		117	N4951.7 E00607.8/.....	
UM150 -EDUU	PITES	116	*DES	038		17	21.0 / 89.9	02	07.50
			P08	270/048		100	N4943.7 E00631.2/.....	
M150 -EDGG	LADAT	116	*DES	041		59	20.6 / 90.1	08	07.58
			P07	257/027		41	N4915.9 E00750.4/.....	
LADA1L	ABKUT	134	*DES	055		23	20.4 / 90.3	04	08.02
			P06	267/012		18	N4859.0 E00815.0/.....	
LADA1L	KBA KARLSRUHE/BADEN-BADE	206	*DES	055	431.0	13	20.0 / 90.7	05	08.07
			P08	265/006		5	N4847.9 E00805.9/.....	
LADA1L	EDSB/21	208	409	055		5	20.0 / 90.9	01	08.08

KARLSRUHE/BADEN-BADE

N4847.3 E00805.4/.....



WIND INFORMATION - OBS 20/JUL 12:00

(CLIMB) **SIDAE** **CREEP** **DUTSH**
FL360 299/003 -46 FL410 279/012 -57 FL410 315/016 -56 FL410 313/013 -57
FL290 300/005 -28 FL390 286/010 -53 FL390 296/015 -52 FL390 308/013 -52
FL210 358/005 -11 FL370 291/012 -48 FL370 289/016 -47 FL370 292/013 -47
14000 146/002 +3 FL350 294/014 -43 FL350 284/018 -43 FL350 274/014 -43
7000 230/008 +16 FL330 294/015 -38 FL330 279/019 -38 FL330 262/016 -38

GEE **YSC** **MIILS** **TUDEP**
FL430 262/047 -61 FL430 273/068 -60 FL430 284/086 -57 FL430 309/026 -50
FL410 264/048 -57 FL410 271/071 -56 FL410 286/094 -55 FL410 309/022 -51
FL390 266/049 -53 FL390 269/073 -52 FL390 287/102 -52 FL390 309/018 -52
FL370 265/047 -48 FL370 272/070 -48 FL370 288/102 -49 FL370 330/011 -51
FL350 263/045 -43 FL350 277/066 -44 FL350 290/101 -44 FL350 035/009 -50

5250N **5340N** **5430N** **5420N**
FL430 339/021 -49 FL430 295/008 -45 FL430 245/024 -46 FL430 257/043 -47
FL410 354/025 -51 FL410 318/007 -44 FL410 242/026 -45 FL410 258/053 -47
FL390 005/031 -53 FL390 348/007 -43 FL390 239/030 -44 FL390 260/063 -48
FL370 017/035 -52 FL370 016/008 -45 FL370 236/028 -45 FL370 257/071 -48
FL350 028/040 -51 FL350 035/011 -46 FL350 232/024 -45 FL350 254/080 -47

DOGAL **BAKUR** **GAVGO** **UMTUM**
FL430 261/045 -48 FL430 273/045 -51 FL430 276/042 -51 FL430 270/043 -52
FL410 264/057 -48 FL410 277/054 -52 FL410 281/047 -52 FL410 270/050 -53
FL390 266/070 -49 FL390 280/064 -53 FL390 286/054 -53 FL390 269/057 -54
FL370 265/080 -49 FL370 281/071 -52 FL370 288/057 -52 FL370 270/059 -52
FL350 263/090 -48 FL350 283/078 -51 FL350 289/060 -50 FL350 271/061 -50

KOMOB **(DESCENT)**
FL430 269/041 -54 FL380 256/061 -56
FL410 270/048 -55 FL300 257/057 -40
FL390 271/056 -56 FL230 252/049 -23
FL370 272/059 -54 FL150 251/043 -7
FL350 273/061 -51 FL070 253/031 +8

END FLIGHTPLAN 03282 TCC211D N78901 KMEM-EDSB 20JUL2019

[ATC FLIGHTPLAN]

(FPL-TCC211D-IS
-B789/H-SABDE1FGHIJ2J3J4J5KP1P2P3RWXYZ/HB2U2V2D1G1
-KMEM2220
-N0496F370 ELVIS4 MEM Q29 JHW/N0488F390 DCT GEE DCT SYR DCT YSC
DCT MIILS N443A TUDEP DCT 52N050W 53N040W 54N030W/M085F390
54N020W DCT DOGAL/N0494F390 DCT BEXET DCT BAKUR N546 STU UL9
KONAN UL607 KOK UM150 PITES M150 LADAT
-EDSB0808 EDTL
-PBN/A1B1C1D1L101S1 NAV/RNVD1E1A1 DOF/190720 REG/N78901
EET/KZID0026 KZOB0059 KZBW0138 CZUL0203 KZBW0214 CZQM0227
CZUL0244 CZQX0257 52N050W0352 53N040W0437 EGGX0520 54N020W0559
EISN0618 EGGT0656 EBUR0728 EDUU0750 EDGG0750
SEL/AHBF CODE/AAB467 RVR/75 OPR/TRADEWIND ALASKA
ORGN/PANCTAAP PER/D
RALT/EINN BIKF CYQX
RMK/TCAS
-E/1017)

[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

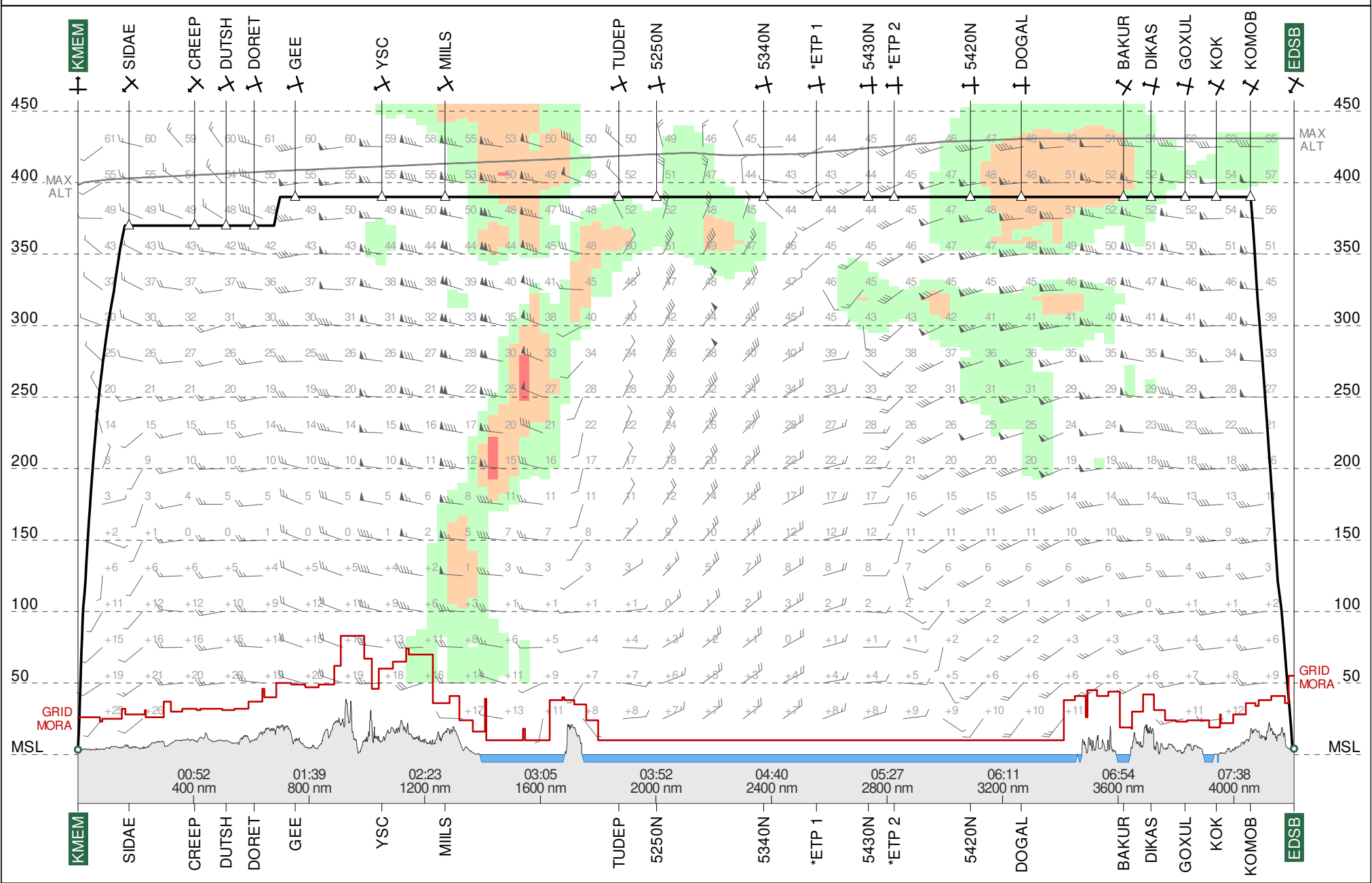
PLANNING RULES AS DEFINED IN THE CANADA FLIGHT SUPPLEMENT
OR WITH ROUTES AS CONTAINED IN THE DAILY BOSTON ADVISORY. -

END OF PART THREE OF THREE PARTS)

TR211D #2

KMEM → EDSB

ETD 20 Jul 22:20z
N78901 B789



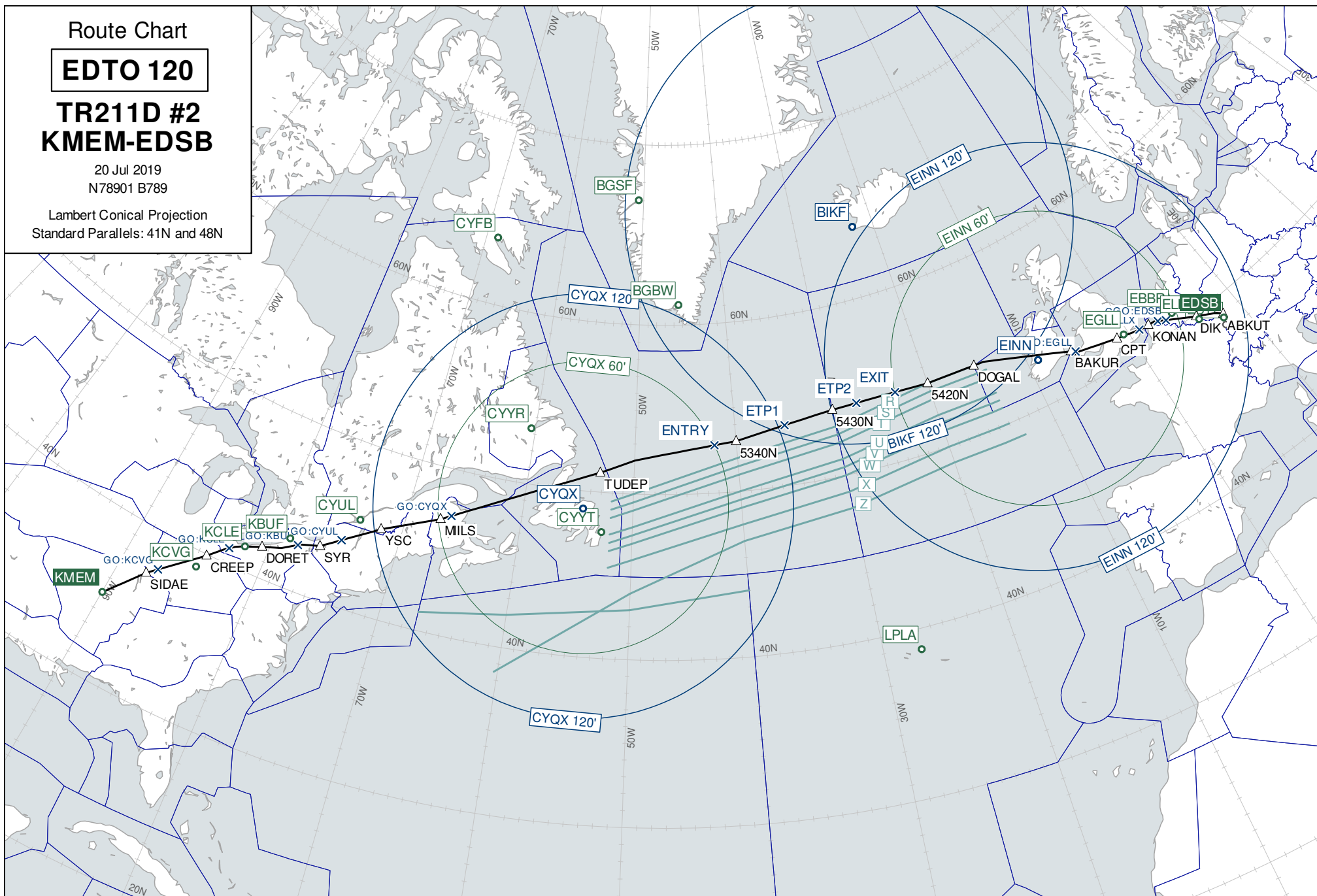
Route Chart

EDTO 120

**TR211D #2
KMEM-EDSB**

20 Jul 2019
N78901 B789

Lambert Conical Projection
Standard Parallels: 41N and 48N



Wind Chart

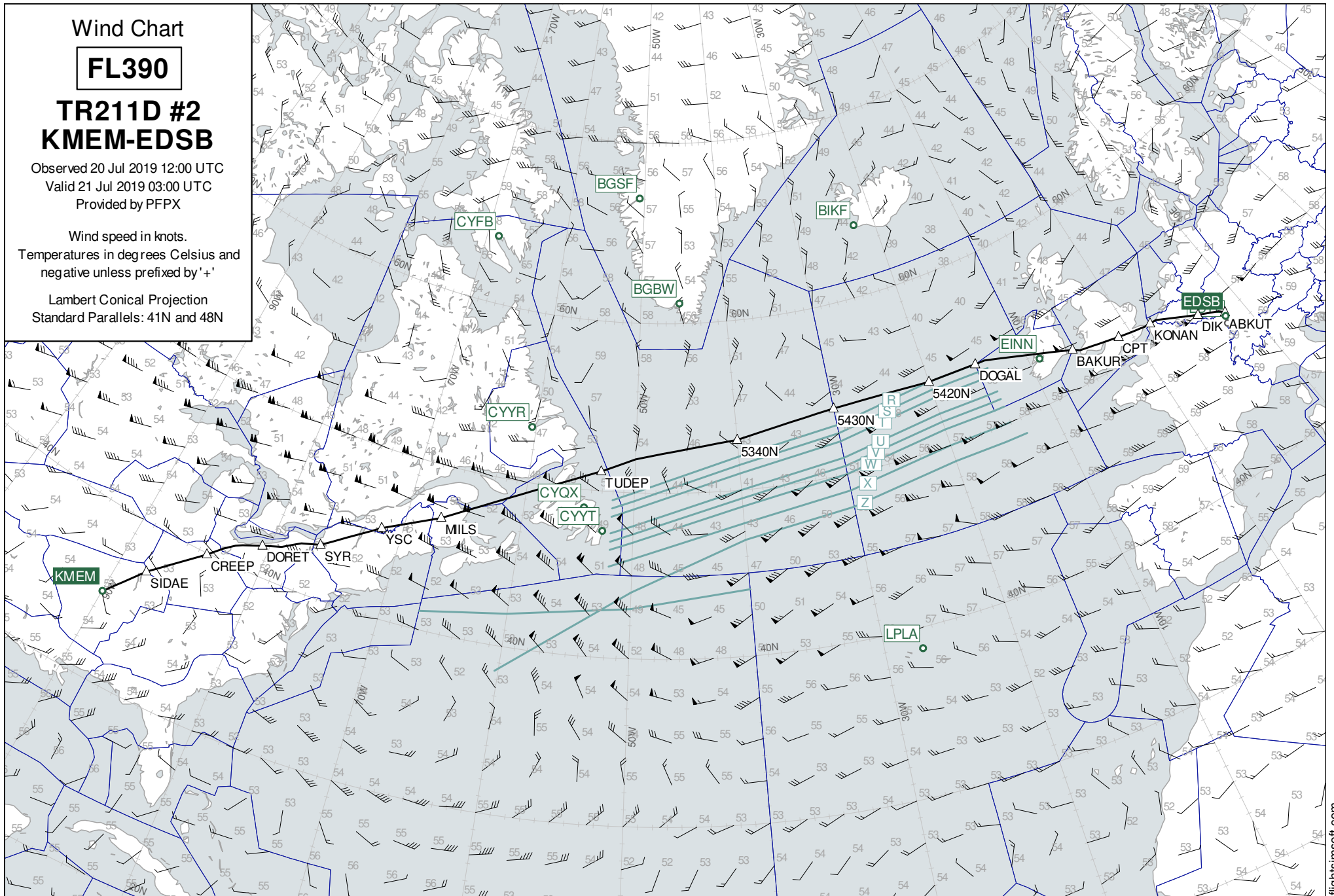
FL390

TR211D #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

FL350

TR211D #2 KMEM-EDSB

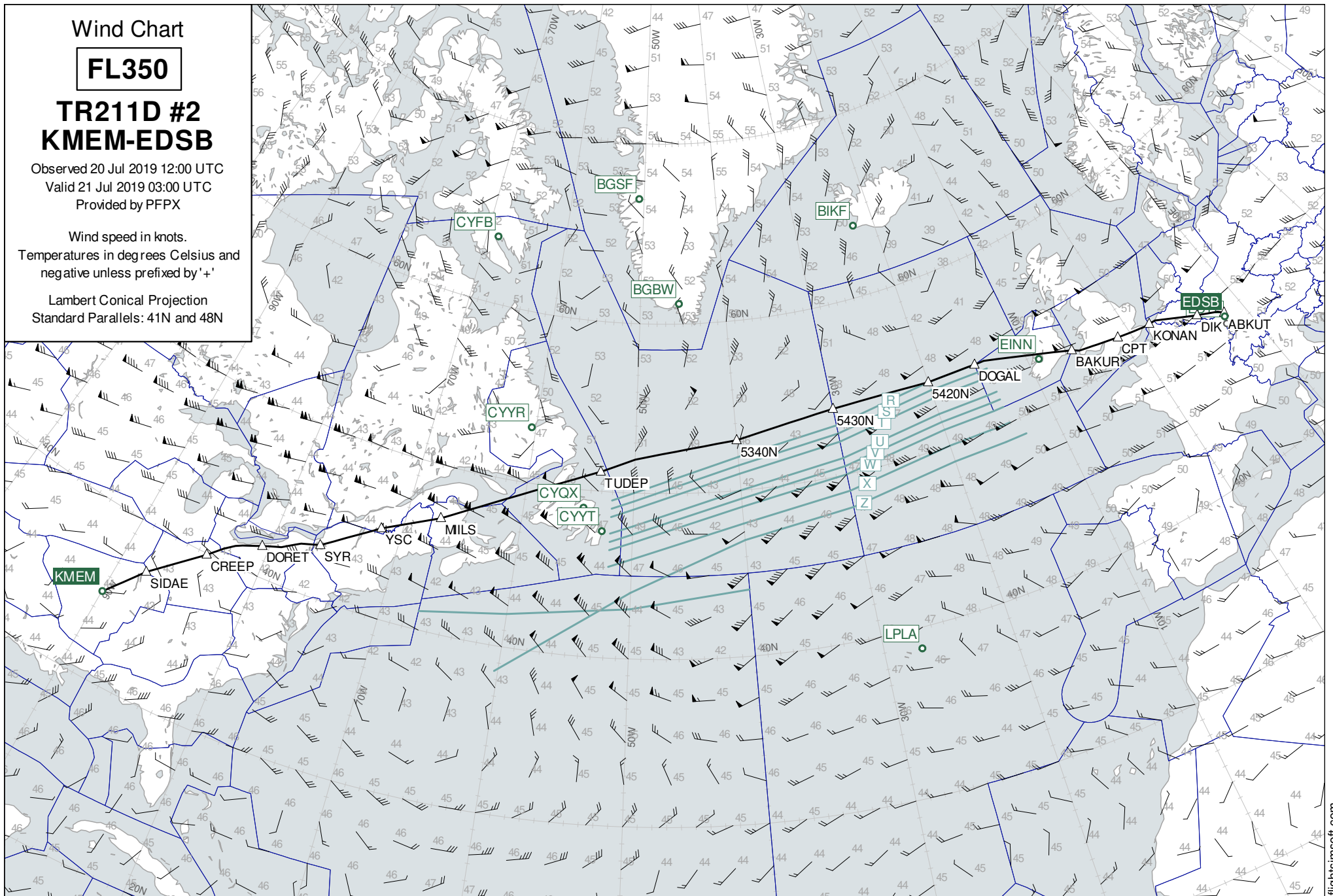
Observed 20 Jul 2019 12:00 UTC

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

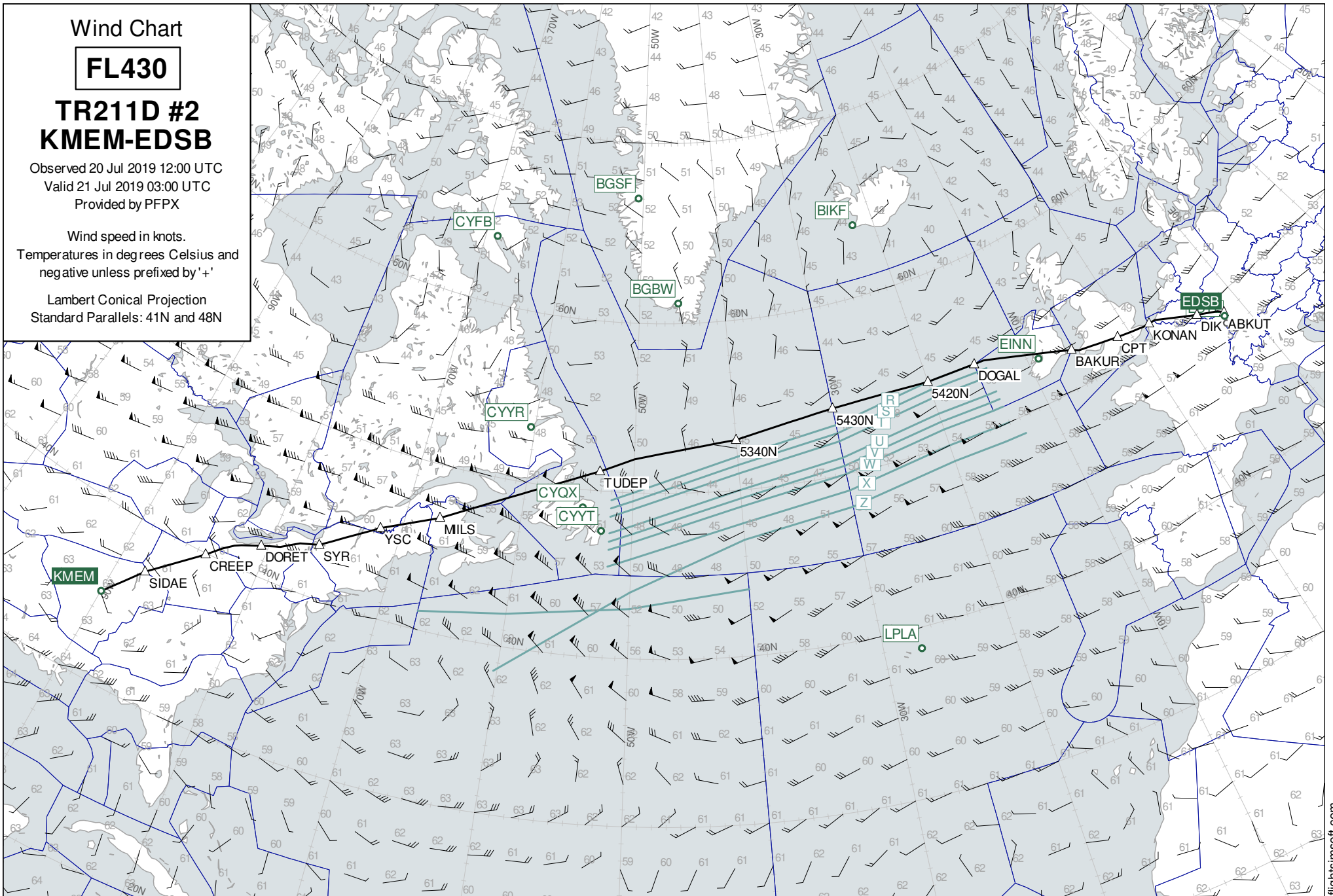
FL430

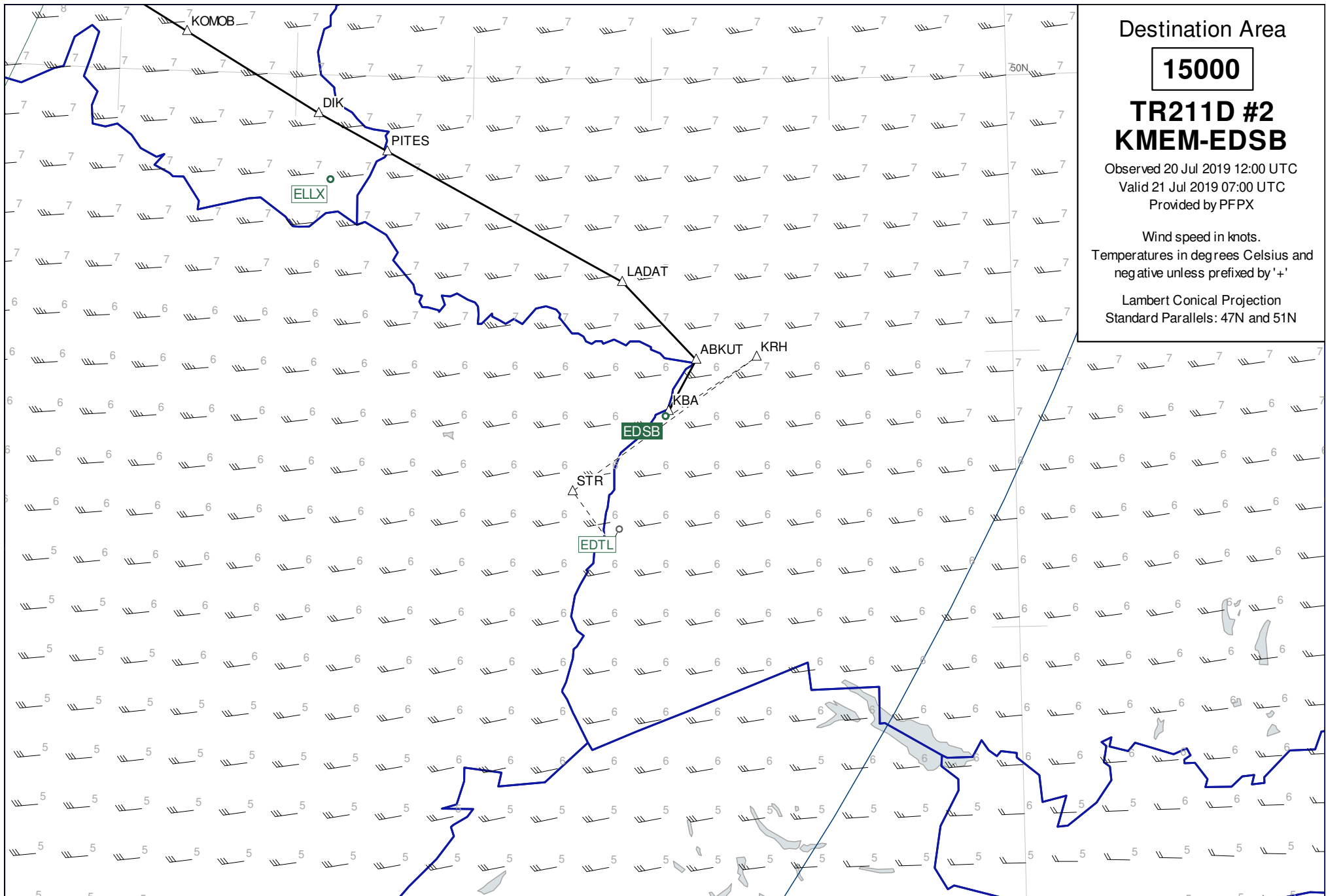
TR211D #2 KMEM-EDSB

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





Plotting Chart TR211D #2 KMEM-EDSB

20 Jul 2019
N78901 B789

Lambert Conical Projection
Standard Parallels: 51N and 52N

