



**Tradewind VA**



**Flight Briefing Package**

**TCC310B EGKK-CYYZ**

**18-Jul-2021 #1**

RELEASE #1

GATWICK  
(UNITED KINGDOM)

-

LESTER B PEARSON INTL  
(CANADA)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

18 JUL 1457 UTC

**TCC310B EGKK-CYYZ (18-Jul-2021) #1**

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC310B PJTGD EGKK-CYYZ

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 ALL WEIGHTS IN KILOGRAMS (KG) STD 18JUL/1940Z  
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OPF 1 - PREPARED 18JUL/1457Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR310B/TCC310B PJTGD/B777-2LR GE SEL/EFAD ROUTE: EGKKCYZ01

DEP: EGKK/LGW 26L ELEV 203 FT COST INDEX: 250 TTL G/C DIST: 3103 NM  
 ARR: CYYZ/YYZ 33R ELEV 569 FT INIT ALT: FL360 TTL F/P DIST: 3204 NM  
 FUEL BIAS: 102.5% TTL AIR DIST: 3315 NM  
 AVG WIND CMP: HD016 KT

ALT: KBUF/BUF 32 ELEV 727 FT 73 NM

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<b>CONFIG</b>	<b>DOW</b>	<b>PAX</b>	<b>CARGO</b>	<b>TOTAL</b>	<b>ULOAD LIM</b>		<b>ZFW</b>	<b>TOW</b>	<b>LDW</b>
STANDARD	156746	266	0	26334	26026 ZFW	<b>MAX</b>	209106	270177	223167
						<b>PLN</b>	183080	241656	195053
						<b>ACT</b>	.....	.....	.....

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 \*\* TAKE-OFF DATA EGKK 26L \*\*

COND: 241656 KG // RWY DRY // +29•C Q1024 CALM // LMT: STRUCT  
 CONFIG: FLAPS 5 // D-T02 +44C // A/I OFF/AUTO // A/C ON  
 SPEEDS: V1=147 VR=154 V2=155  
 ENG OUT: LT TO 'MAY' 117.9 (090 INBD,LT)

	<b>FUEL</b>	<b>CORR</b>	<b>ENDUR</b>	
TRIP	46603	.....	06:56	
CONT 5%	2330	.....	00:23	
ALTN KBUF	2018	.....	00:19	
FINAL RESV	3051	.....	00:30	
HOLD	2036	.....	00:20	
ADD FUEL	1011	.....	00:10	
<b>MIN T/O</b>	<b>57049</b>	.....	08:38	.....
EXTRA	1527	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	1005	.....	00:15	
<b>RELEASE</b>	<b>59581</b>	.....	09:08	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	11303	.....	01:47	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 29641 KG LIM BY LDW  
 TRIP CORR FOR 4000 KG TOW INCR: +566 KG / 4000 KG TOW DECR: -648 KG  
 2000 FT LOWER: +492 KG / EET 06:52 CLB: 250/310/84 DES: 84/320/250

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EGKK	<b>STD</b> 19:40Z/20:40L	<b>ETD</b> 19:40Z	ACT OFBL ....	<b>EST T/O</b> 19:55Z	ACT T/O ....
CYYZ	<b>STA</b> 03:25Z/23:25L	<b>ETA</b> 03:01Z	ACT ONBL ....	<b>EST LDG</b> 02:51Z	ACT LDG ....
	<b>SKD</b> 07:45	<b>PLN</b> 07:21	TTL BLCK ....	<b>EST FLT</b> 06:56	TTL FLT ....

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (EINN)	32 NM BEFORE 5620N	N56 00.9 W019 02.7	EET 01:43
ETOPS EXIT (CYYR)	26 NM BEFORE 5550N	N55 01.7 W049 15.5	EET 03:49

# TCC310B EGKK-CYYZ (18-Jul-2021) #1

## ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

EINN (22:30-23:05)  
BIKF (22:52-01:09)  
CYYR (00:41-01:09)

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**ONE ENGINE OUT DECOMP ETP 1 FOR EINN/BIKF** N56 02.9 W021 21.8 EET 01:53  
84/320/250 DESC TO FL100 CRUISE AT 1E0320 290 NM BEFORE 5630N  
PLN FUEL OVER ETP 42619 ETP FUEL REQ 11345 DIV TIME 01:17  
ETP TO EINN (N52 42.1 W008 55.5) DIST 479 NM WC TL001 TT 110  
ETP TO BIKF (N63 59.1 W022 36.3) DIST 479 NM WC 0 TT 356

**ALL ENGINE DECOMP ETP 1 FOR EINN/BIKF** N56 02.9 W021 21.8 EET 01:53  
84/320/250 DESC TO FL100 CRUISE AT AE320 290 NM BEFORE 5630N  
PLN FUEL OVER ETP 42619 ETP FUEL REQ 10826 DIV TIME 01:17  
ETP TO EINN (N52 42.1 W008 55.5) DIST 479 NM WC TL001 TT 110  
ETP TO BIKF (N63 59.1 W022 36.3) DIST 479 NM WC 0 TT 356

**ONE ENGINE OUT ETP 1 FOR EINN/BIKF** N56 03.3 W021 37.9 EET 01:54  
1E084/320 DESC TO FL277 CRUISE AT 1E0320 281 NM BEFORE 5630N  
PLN FUEL OVER ETP 42495 ETP FUEL REQ 11420 DIV TIME 01:03  
ETP TO EINN (N52 42.1 W008 55.5) DIST 487 NM WC TL006 TT 109  
ETP TO BIKF (N63 59.1 W022 36.3) DIST 478 NM WC HD005 TT 357

**ONE ENGINE OUT DECOMP ETP 2 FOR BIKF/CYYR** N55 02.5 W041 08.9 EET 03:15  
84/320/250 DESC TO FL100 CRUISE AT 1E0320 305 NM BEFORE 5550N  
PLN FUEL OVER ETP 33695 ETP FUEL REQ 16841 DIV TIME 01:59  
ETP TO BIKF (N63 59.1 W022 36.3) DIST 775 NM WC TL018 TT 039  
ETP TO CYYR (N53 19.2 W060 25.6) DIST 684 NM WC HD026 TT 269

**ALL ENGINE DECOMP ETP 2 FOR BIKF/CYYR** N55 02.5 W041 08.9 EET 03:15  
84/320/250 DESC TO FL100 CRUISE AT AE320 305 NM BEFORE 5550N  
PLN FUEL OVER ETP 33695 ETP FUEL REQ 16067 DIV TIME 01:59  
ETP TO BIKF (N63 59.1 W022 36.3) DIST 775 NM WC TL018 TT 039  
ETP TO CYYR (N53 19.2 W060 25.6) DIST 684 NM WC HD026 TT 269

**ONE ENGINE OUT ETP 2 FOR BIKF/CYYR** N55 02.5 W041 09.8 EET 03:15  
1E084/320 DESC TO FL290 CRUISE AT 1E0320 304 NM BEFORE 5550N  
PLN FUEL OVER ETP 33689 ETP FUEL REQ 16256 DIV TIME 01:34  
ETP TO BIKF (N63 59.1 W022 36.3) DIST 775 NM WC TL018 TT 039  
ETP TO CYYR (N53 19.2 W060 25.6) DIST 683 NM WC HD037 TT 269

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**ATC ROUTE:** N0495F360 DCT IMVUR N63 SAM N19 ADKIK M17 STU N546 BAKUR DCT PIKIL  
DCT 56N020W/M084F380 56N030W 55N040W 55N050W DCT LOMSI DCT YBC DCT  
VBS DCT POLTY IMEBA5

## ALTERNATE PLANNING

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ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE  
KBUF/32 73 5000 050 TL004 00:19 2018 - BULGE

MOST CRITICAL MORA 5200 FT AT YBC

**TCC310B EGKK-CYYZ (18-Jul-2021) #1**

AWY -FIR	WAYPOINT NAME	MT	ALT	MSA ISA	FREQ WND/SPD	TAS GS	LEG REM	FUEL REM / USED POSITION	LEG ETO / ATO	ACC
	EGKK/26L GATWICK		203	023				58.6 / 1.0 N5109.0 W00010.3	...../.....	
DCT	IMVUR	276	*CLB	023 P08	308/018		14 3190	56.8 / 2.7 N5110.5 W00031.9	04 00.04 ...../.....	
N63	VOUGA	247	*CLB	023 P08	308/031		18 3173	55.9 / 3.7 N5103.6 W00057.8	03 00.07 ...../.....	
N63	SAM SOUTHAMPTON	247	*CLB	024 P06	113.35 299/030		16 3157	55.3 / 4.3 N5057.3 W00120.7	02 00.09 ...../.....	
N19	NULGU	259	*CLB	024 P04	297/034		25 3132	54.5 / 5.1 N5052.3 W00159.7	03 00.12 ...../.....	
N19	*TOC	259	FL360	024 P08	289/039	494 461	13 3119	54.1 / 5.5 N5049.5 W00220.4	02 00.14 ...../.....	
N19	ADKIK	258	FL360	022 P08	289/038	495 461	8 3111	54.0 / 5.6 N5047.8 W00232.8	01 00.15 ...../.....	
M17	EXMOR	308	FL360	042 P08	286/037	494 459	38 3072	53.4 / 6.2 N5110.7 W00321.6	05 00.20 ...../.....	
M17	KESUP	310	FL360	042 P08	285/037	494 459	14 3058	53.2 / 6.4 N5119.5 W00339.3	02 00.22 ...../.....	
M17	SWANY	310	FL360	042 P08	283/037	494 459	23 3035	52.8 / 6.8 N5133.6 W00407.8	03 00.25 ...../.....	
M17	STU STRUMBLE	309	FL360	030 P08	113.10 281/036	494 460	43 2992	52.2 / 7.4 N5159.7 W00502.4	06 00.31 ...../.....	
N546 -EISN	BAKUR	304	FL360	019 P07	280/036	494 460	28 2965	51.7 / 7.8 N5214.5 W00540.8	03 00.34 ...../.....	
	EINN	310	FL360	019 P07	282/030		2 2963	51.7 / 7.9 N5215.6 W00543.2	01 00.35 ...../.....	
DCT -EGGX	*BDRY	310	FL360	044 P06	282/030	493 465	225 2737	48.3 / 11.3 N5428.7 W01047.9	29 01.04 ...../.....	

----- 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	PIKIL	309	FL360	036 P05	285/028	493 465	171 2567	45.8 / 13.8 N5600.0 W01500.0	22 01.26 ...../.....	
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## TCC310B EGKK-CYYZ (18-Jul-2021) #1

	<b>*CLB</b>	279	FL380	010	493	25	45.4 / 14.2	03	01.29	
					P05	288/025	468 2542	N5600.8	W01544.7	...../.....
----- ETOPS ENTRY (EINN) 0032 NM BEFORE 5620N EET 01:43 -----										
DCT	<b>5620N</b>	277	FL380	010	486	143	43.3 / 16.3	18	01.47	
	56N020W				P02	274/005	479 2399	N5600.0	W02000.0	...../.....
	<b>*ETP 1</b>	283	FL380	010	486	55	42.5 / 17.1	07	01.54	
	EINN/BIKF				P02	142/001	483 2344	N5603.3	W02137.9	...../.....
DCT	<b>5630N</b>	282	FL380	010	486	281	38.8 / 20.8	34	02.28	
-CZQX	56N030W				P02	130/020	501 2063	N5600.0	W03000.0	...../.....
DCT	<b>5540N</b>	277	FL380	010	486	345	34.2 / 25.4	42	03.10	
	55N040W				P01	168/031	485 1717	N5500.0	W04000.0	...../.....
	<b>*ETP 2</b>	291	FL380	010	485	40	33.7 / 25.9	05	03.15	
	BIKF/CYYR				P02	168/040	493 1678	N5502.5	W04108.9	...../.....
----- ETOPS EXIT (CYYR) 0026 NM BEFORE 5550N EET 03:49 -----										
DCT	<b>5550N</b>	286	FL380	010	497	305	29.7 / 29.9	37	03.52	
	55N050W				P10	252/019	478 1373	N5500.0	W05000.0	...../.....
DCT	<b>LOMSI</b>	267	FL380	038	493	265	26.0 / 33.5	34	04.26	
					P05	285/045	459 1108	N5306.0	W05647.0	...../.....
DCT	<b>*BDRY</b>	266	FL380	046	491	260	22.4 / 37.2	34	05.00	
-CZUL					P03	274/044	454 847	N5108.3	W06305.2	...../.....
	<b>CYBG</b>	260	FL380	049		118	20.7 / 38.8	16	05.16	
					P03	254/046	730	N5008.8	W06545.2	...../.....
DCT	<b>YBC</b>	257	FL380	052	<b>117.70</b>	492	19.1 / 40.5	15	05.31	
	BAIE-COMEAU				P02	250/048	444 616	N4908.0	W06813.3	...../.....
DCT	<b>VBS</b>	260	FL380	048	<b>114.20</b>	492	17.2 / 42.4	19	05.50	
	SAGUENAY				P03	241/030	459 477	N4801.0	W07116.2	...../.....
	<b>CYYZ</b>	253	FL380	052		210	14.4 / 45.1	26	06.16	
					P03	302/012	267	N4602.8	W07531.1	...../.....
DCT	<b>POLTY</b>	248	FL380	040	492	15	14.2 / 45.3	02	06.18	
					P04	270/005	487 251	N4554.0	W07548.7	...../.....
IMEBA5	<b>*BDRY</b>	249	FL380	033	492	23	14.0 / 45.6	03	06.21	
-CZYZ					P05	293/005	487 229	N4541.2	W07615.6	...../.....
IMEBA5	<b>PERGI</b>	249	FL380	036	493	86	12.9 / 46.7	11	06.32	
					P05	350/011	497 142	N4451.9	W07755.9	...../.....
IMEBA5	<b>*TOD</b>	244	FL380	031	493	14	12.7 / 46.9	01	06.33	
					P06	351/012	499 129	N4443.6	W07811.4	...../.....
IMEBA5	<b>IMEBA</b>	244	*DES	031		47	12.6 / 47.0	06	06.39	
					P09	018/016	82	N4415.0	W07903.3	...../.....

### TCC310B EGKK-CYYZ (18-Jul-2021) #1

IMEBA5	VIDRO	211	*DES 031 P08 019/013	17 65	12.6 / 47.0 N4359.1 W07911.3	02	06.41 ...../.....
IMEBA5	ELVUT	269	*DES 031 P08 015/013	9 56	12.5 / 47.1 N4357.4 W07923.3	01	06.42 ...../.....
IMEBA5	NUBAV	217	*DES 031 P08 009/012	12 44	12.5 / 47.1 N4346.8 W07930.6	02	06.44 ...../.....
IMEBA5	MIRUG	217	*DES 031 P08 008/012	3 41	12.5 / 47.1 N4344.1 W07932.4	01	06.45 ...../.....
IMEBA5	GUBOV	147	*DES 031 P08 004/009	11 30	12.4 / 47.2 N4335.8 W07921.6	02	06.47 ...../.....
IMEBA5	OKOKU	149	*DES 031 P08 003/009	3 27	12.4 / 47.2 N4333.5 W07918.9	01	06.48 ...../.....
IMEBA5	MAVID	150	*DES 031 P08 002/008	3 24	12.4 / 47.2 N4331.2 W07916.2	00	06.48 ...../.....
IMEBA5	KEDSU	150	*DES 031 P08 001/008	3 21	12.3 / 47.2 N4329.0 W07913.5	01	06.49 ...../.....
IMEBA5	CYYZ/33R LESTER B PEARSON INT	314	569 031	21	12.0 / 47.6 N4340.3 W07936.9	07	06.56 ...../.....

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**TCC310B EGKK-CYYZ (18-Jul-2021) #1**

WIND INFORMATION - OBS 18/JUL 06:00

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<b>(CLIMB)</b>			<b>EXMOR</b>			<b>BAKUR</b>			<b>PIKIL</b>		
FL350	296/039	-48	FL400	281/044	-50	FL400	275/042	-50	FL400	281/026	-53
FL280	300/029	-35	FL380	282/044	-48	FL380	276/041	-49	FL380	284/027	-53
FL210	305/030	-19	FL360	286/038	-48	FL360	281/036	-49	FL360	286/028	-51
FL140	306/023	-5	FL340	293/032	-48	FL340	288/031	-49	FL340	288/029	-50
FL070	304/012	+8	FL320	293/032	-44	FL320	286/031	-45	FL320	289/028	-45

<b>5620N</b>			<b>5630N</b>			<b>5540N</b>			<b>5550N</b>		
FL420	249/011	-54	FL420	153/016	-54	FL420	177/024	-53	FL420	243/016	-46
FL400	255/008	-55	FL400	140/018	-55	FL400	172/029	-55	FL400	246/018	-46
FL380	274/006	-55	FL380	131/020	-55	FL380	169/032	-56	FL380	252/020	-46
FL360	305/006	-52	FL360	128/023	-52	FL360	165/032	-52	FL360	264/024	-47
FL340	326/008	-49	FL340	125/027	-49	FL340	161/031	-49	FL340	274/028	-47

<b>LOMSI</b>			<b>YBC</b>			<b>VBS</b>			<b>(DESCENT)</b>		
FL420	284/035	-50	FL420	255/035	-55	FL420	251/025	-55	FL370	339/006	-50
FL400	285/041	-51	FL400	252/043	-55	FL400	245/028	-55	FL300	021/013	-40
FL380	286/046	-52	FL380	250/048	-54	FL380	241/030	-54	FL220	026/013	-21
FL360	288/045	-51	FL360	250/046	-51	FL360	242/029	-51	15000	020/011	-7
FL340	291/045	-51	FL340	249/044	-48	FL340	243/027	-48	7000	357/010	+9

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**END FLIGHTPLAN 00686 TCC310B PJTGD EGKK-CYYZ 18JUL2021**

**TCC310B EGKK-CYYZ (18-Jul-2021) #1**

**[ATC FLIGHTPLAN]**

(FPL-TCC310B-IS

-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2

-EGKK1940

-N0495F360 DCT IMVUR N63 SAM N19 ADKIK M17 STU N546 BAKUR DCT

PIKIL DCT 56N020W/M084F380 56N030W 55N040W 55N050W DCT LOMSI DCT

YBC DCT VBS DCT POLTY IMEBA5

-CYYZ0656 KBUF

-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/210718 REG/PJTGD

EET/EISN0034 EGGX0104 56N020W0147 CZQX0228 55N040W0310

55N050W0352 CZUL0500 CZYZ0621

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

ORGN/TNCCTCAP PER/D

RALT/EINN BIKF CYYR

RMK/TCAS

-E/0853)



**TCC310B EGKK-CYYZ (18-Jul-2021) #1****[PLANNING WEATHER]****ORIGIN: EGKK/LGW (GATWICK, UNITED KINGDOM)****UTC +01:00**

EGKK 181420Z 30007KT 260V350 CAVOK 29/17 Q1024  
EGKK 181052Z 1812/1918 VRB03KT CAVOK

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

CYYZ 181400Z 35007KT 15SM FEW110 OVC220 22/17 A3012 RMK AC1CS7 SLP200  
DENSITY ALT 1300FT  
CYYZ 181438Z 1815/1918 35008KT P6SM FEW110 BKN200  
FM181900 35012KT P6SM -SHRA BKN050  
PROB30 1819/1823 2SM TSRA BR BKN015 OVC040CB  
FM190000 36007KT P6SM FEW060  
FM191600 01007KT P6SM BKN040  
RMK NXT FCST BY 181800Z

**ALTERNATE: KBUF/BUF (BUFFALO NIAGARA INTL, UNITED STATES)****UTC -04:00**

KBUF 181354Z 00000KT 10SM FEW040 SCT065 BKN160 BKN200 21/16 A3013 RMK A02  
SLP201 T02110156 \$  
KBUF 181120Z 1812/1912 VRB05KT P6SM OVC050  
FM181500 33005KT P6SM BKN080  
FM182000 26008KT P6SM BKN080  
FM190100 VRB03KT P6SM BKN060

**EDTO AIRPORT: CYR/YYR (GOOSE BAY, CANADA)****UTC -03:00**

CYR 181400Z 26013G22KT 15SM FEW040 FEW270 23/10 A2985 RMK CF1CI2 SLP108  
CYR 181130Z 1812/1912 28012G22KT P6SM FEW070 SCT260  
FM182100 28010G20KT P6SM BKN050  
TEMPO 1823/1901 P6SM -SHRA  
BECMG 1823/1901 02005KT  
FM190100 02005KT P6SM -RA SCT020 OVC050  
TEMPO 1901/1904 5SM -SHRA BR BKN020 OVC050  
FM190400 03010KT 6SM -RA BR SCT008 OVC020  
TEMPO 1904/1912 3SM -SHRA BR BKN008 OVC020  
RMK NXT FCST BY 181800Z

**EDTO AIRPORT: BIKF/KEF (KEFLAVIK, ICELAND)****UTC +00:00**

BIKF 181430Z 21008KT 9999 OVC010 09/07 Q1020  
BIKF 181344Z 1815/1915 24007KT 9999 OVC009 TX12/1915Z TN08/1900Z  
TEMPO 1822/1915 VRB02KT 2000 DZ BR OVC002

## TCC310B EGKK-CYYZ (18-Jul-2021) #1

**EDTO AIRPORT: EINN/SNN (SHANNON INTL, IRELAND)**

**UTC +01:00**

EINN 181430Z 01002KT 9999 FEW027 27/16 Q1024 NOSIG  
EINN 181100Z 1812/1912 VRB03KT 9999 FEW030  
TEMPO 1902/1907 4000 BR BKN004

**ADEQUATE: CYBG/YBG (BAGOTVILLE, CANADA)**

**UTC -04:00**

CYBG 181400Z 00000KT 15SM BKN210 23/15 A3010 RMK CI7 SLP194  
CYBG 181430Z 1815/1912 VRB03KT P6SM BKN210  
FM181800 33008KT P6SM FEW050  
BECMG 1822/1824 VRB03KT  
FM190400 VRB03KT P6SM SCT015 OVC040  
TEMPO 1904/1910 P6SM -SHRA BKN015 OVC040  
FM191000 29010KT P6SM FEW020 SCT250  
RMK NXT FCST BY 181800Z

**TCC310B EGKK-CYYZ (18-Jul-2021) #1**

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/1 TRACKS FLS 310/390 INCLUSIVE  
JUL 18/1130Z TO JUL 18/1900Z  
PART ONE OF ONE PART-

A DOGAL 55/20 55/30 55/40 55/50 LOMSI  
EAST LVLS NIL  
WEST LVLS 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

B MALOT 54/20 54/30 54/40 54/50 NEEKO  
EAST LVLS NIL  
WEST LVLS 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

REMARKS.

1. TMI IS 199 AND OPERATORS ARE REMINDED TO INCLUDE THE TMI NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
2. OPERATORS ARE REMINDED THAT ADS-C AND CPDLC IS MANDATED FOR LEVELS 290-410 IN NAT AIRSPACE.
3. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS  
NO ASSIGNED PBCS TRACKS  
END OF PBCS OTS
4. FOR STRATEGIC LATERAL OFFSET AND CONTINGENCY PROCEDURES FOR OPS IN NAT FLOW REFER TO NAT PROGRAMME COORDINATION WEBSITE  
[WWW.PARIS.ICAO.INT](http://WWW.PARIS.ICAO.INT).  
SLOP SHOULD BE STANDARD PROCEDURE, NOT JUST FOR AVOIDING WX/TURB.
5. 80 PERCENT OF GROSS NAVIGATION ERRORS RESULT FROM POOR COCKPIT PROCEDURES. CONDUCT EFFECTIVE WAYPOINT CHECKS.
6. OPERATORS ARE REMINDED THAT CLEARANCES MAY DIFFER FROM THE FLIGHT PLAN, FLY THE CLEARANCE.
7. UK AIP. ENR 2.2.4.2 PARA 5.2 STATES THAT NAT OPERATORS SHALL FILE PRM'S.
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.
9. ALL ADSC CPDLC EQUIPPED FLIGHTS NOT LOGGED ON TO A DOMESTIC ATSU PRIOR TO ENTERING THE SHANWICK OCA MUST INITIATE A LOGON TO EGGX BETWEEN 10  
AND 25 MINUTES PRIOR TO OCA ENTRY.-

END OF PART ONE OF ONE PARTS)

(NAT-1/2 TRACKS FLS 320/400 INCLUSIVE  
JUL 19/0100Z TO JUL 19/0800Z  
PART ONE OF TWO PARTS-

X ELSIR 50/50 52/40 54/30 54/20 DOGAL BEXET  
EAST LVLS 320 340 360 380 400  
WEST LVLS NIL  
EUR RTS EAST NIL

**TCC310B EGKK-CYYZ (18-Jul-2021) #1**

NAR N329B N327B-

Y JOOPY 49/50 51/40 53/30 53/20 MALOT GISTI  
EAST LVLS 320 340 360 380 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N269A N277A-

END OF PART ONE OF TWO PARTS)

(NAT-2/2 TRACKS FLS 320/400 INCLUSIVE  
JUL 19/0100Z TO JUL 19/0800Z  
PART TWO OF TWO PARTS-

Z NICSO 48/50 50/40 52/30 52/20 LIMRI XETBO  
EAST LVLS 320 340 360 380 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N211E N205B-

REMARKS:

1.TMI IS 200 AND OPERATORS ARE REMINDED TO INCLUDE TMI NUMBER IN  
OCEANIC

CLEARANCE READ BACK.

2.ADS-C AND CPDLC ARE MANDATED FOR LEVELS 290-410 IN NAT AIRSPACE.

3.PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS

NO ASSIGNED PBCS TRACKS

END OF PBCS OTS.

4.AS PER NOTAM H2005/21,GANDER OCEANIC VERBAL CLEARANCE DELIVERY SVC  
NOT AVBL.

EASTBOUND OCEANIC FLT WILL REC CLEARANCE BY MONCTON, MONTREAL OR  
GANDER ACC.

OPR ARE TO REQUEST THEIR CLR ON CONTROL FREQ.DATA LINK CLR SERVICE  
UNCHANGED.

5.80 PERCENT OF NAVIGATIONAL ERRORS RESULT FROM POOR COCKPIT  
PROCEDURES

ALWAYS CARRY OUT PROPER WAYPOINT PROCEDURES.

6.SEE NAT OPS BULLETIN 2020?001 FOR DATALINK CREW PROCEDURES.

ICAO WEBSITE WWW.ICAO.INT

7.EASTBOUND AIRCRAFT OPERATING IN THE OTS MUST COMPLY WITH NAR FLIGHT  
PLANNING RULES IN CANADA FLIGHT SUPPLEMENT OR DAILY BOSTON ADVISORY

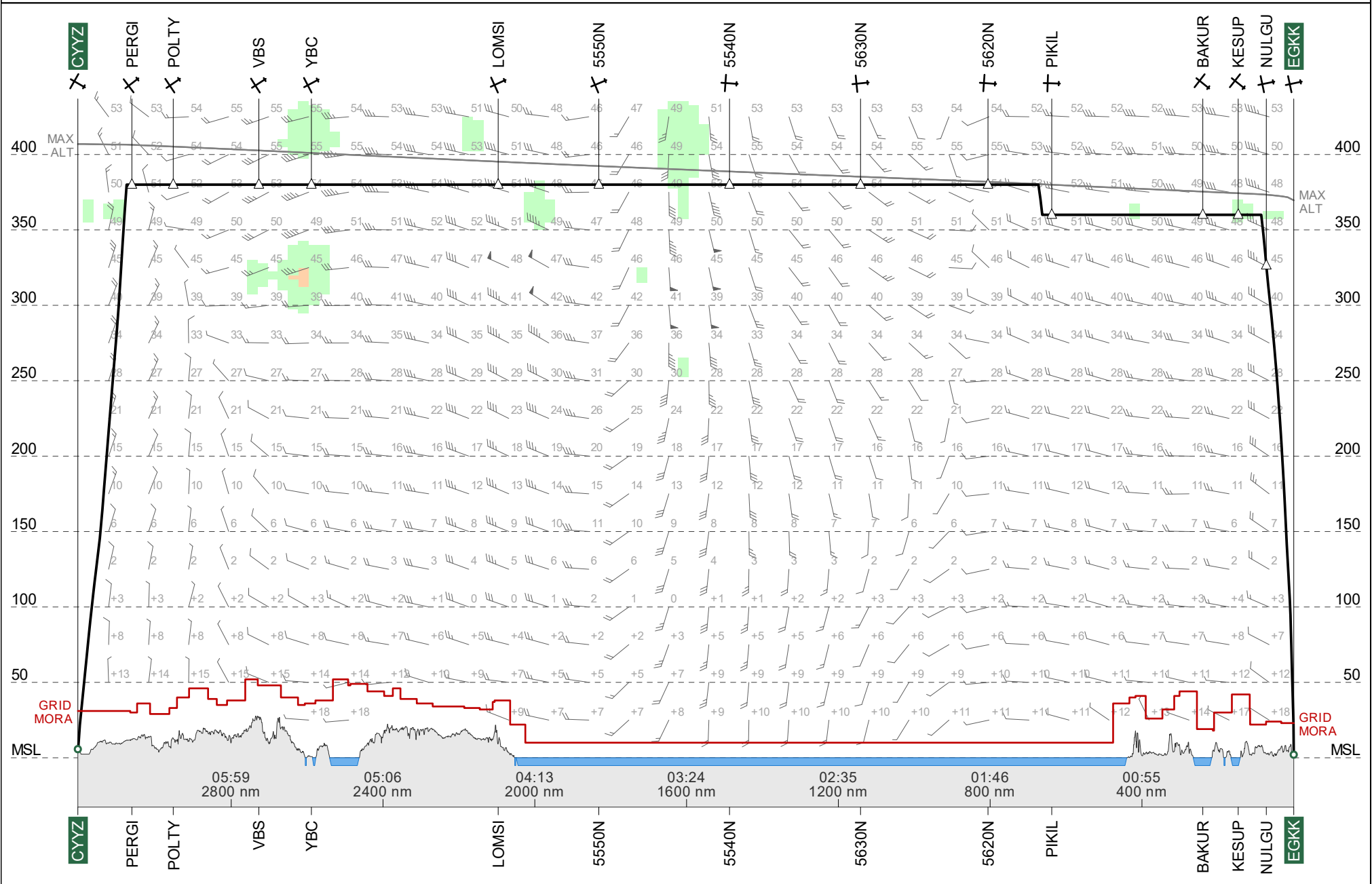
8.AIRCRAFT EXITING THE NAT INTO TO A DOMESTIC AGENCY SHOULD CONTINUE  
TO OPERATE TRANSPONDERS ON CODE 2000 UNTIL OTHERWISE ADVISED BY ATC  
SEE ICAO NAT DOC 007 6.8 FOR MORE INFO.-

END OF PART TWO OF TWO PARTS)

# TR310B #1

## CYYZ ← — EGKK

ETD 18 Jul 19:40z  
PJTGD B77L



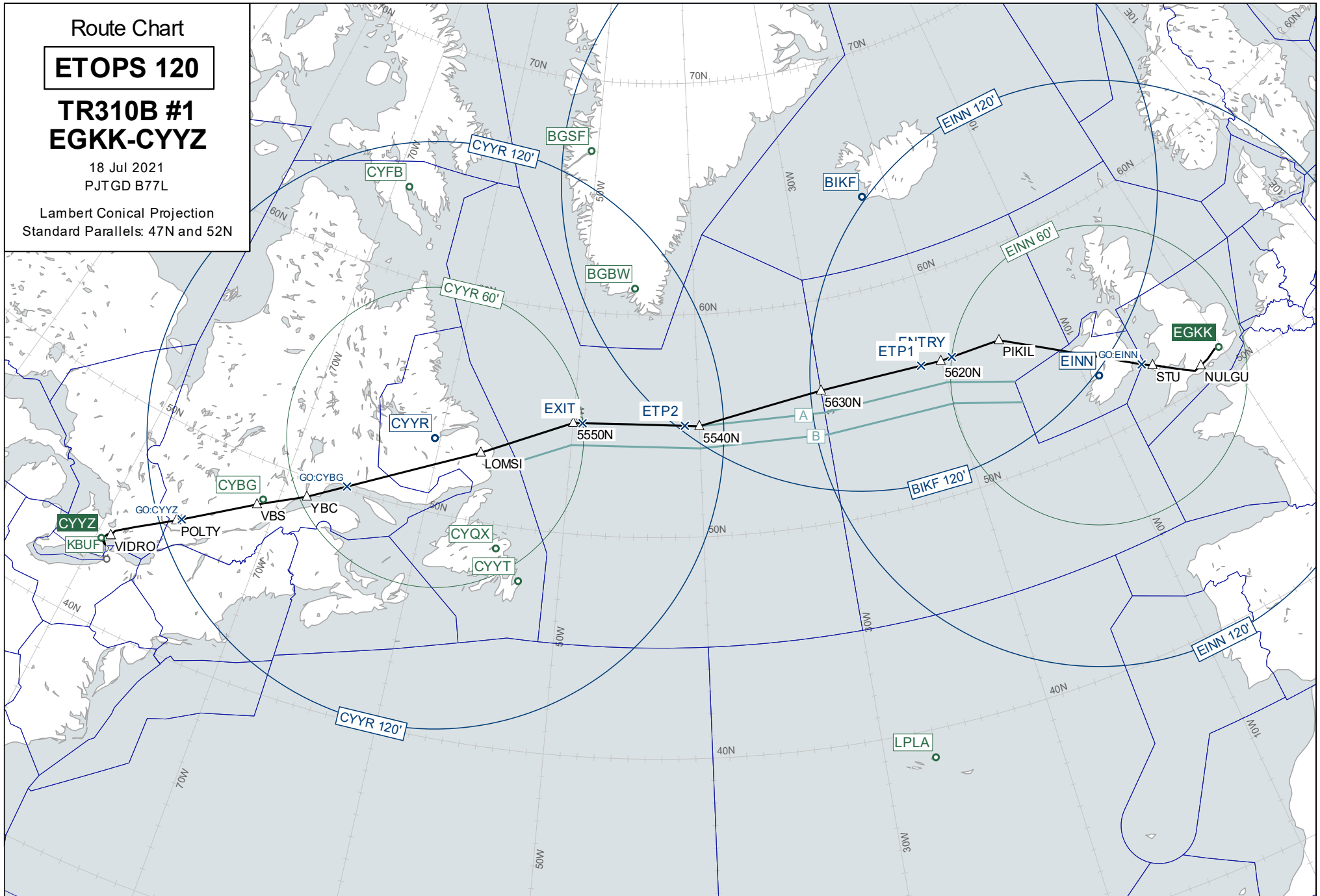
Route Chart

**ETOPS 120**

**TR310B #1**  
**EGKK-CYYZ**

18 Jul 2021  
PJTGD B77L

Lambert Conical Projection  
Standard Parallels: 47N and 52N



# Wind Chart

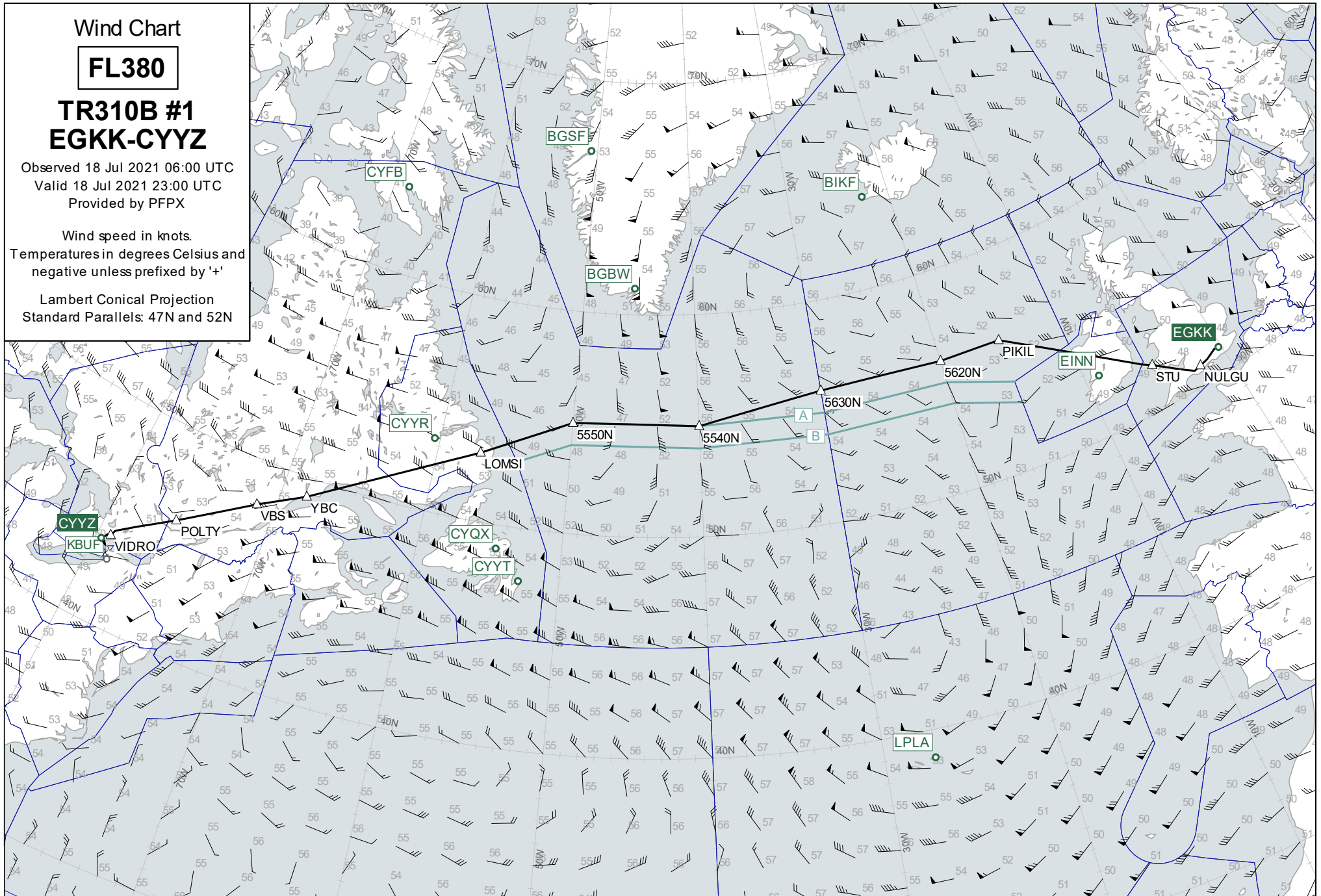
## FL380

### TR310B #1 EGKK-CYYZ

Observed 18 Jul 2021 06:00 UTC  
Valid 18 Jul 2021 23:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 47N and 52N



# Wind Chart

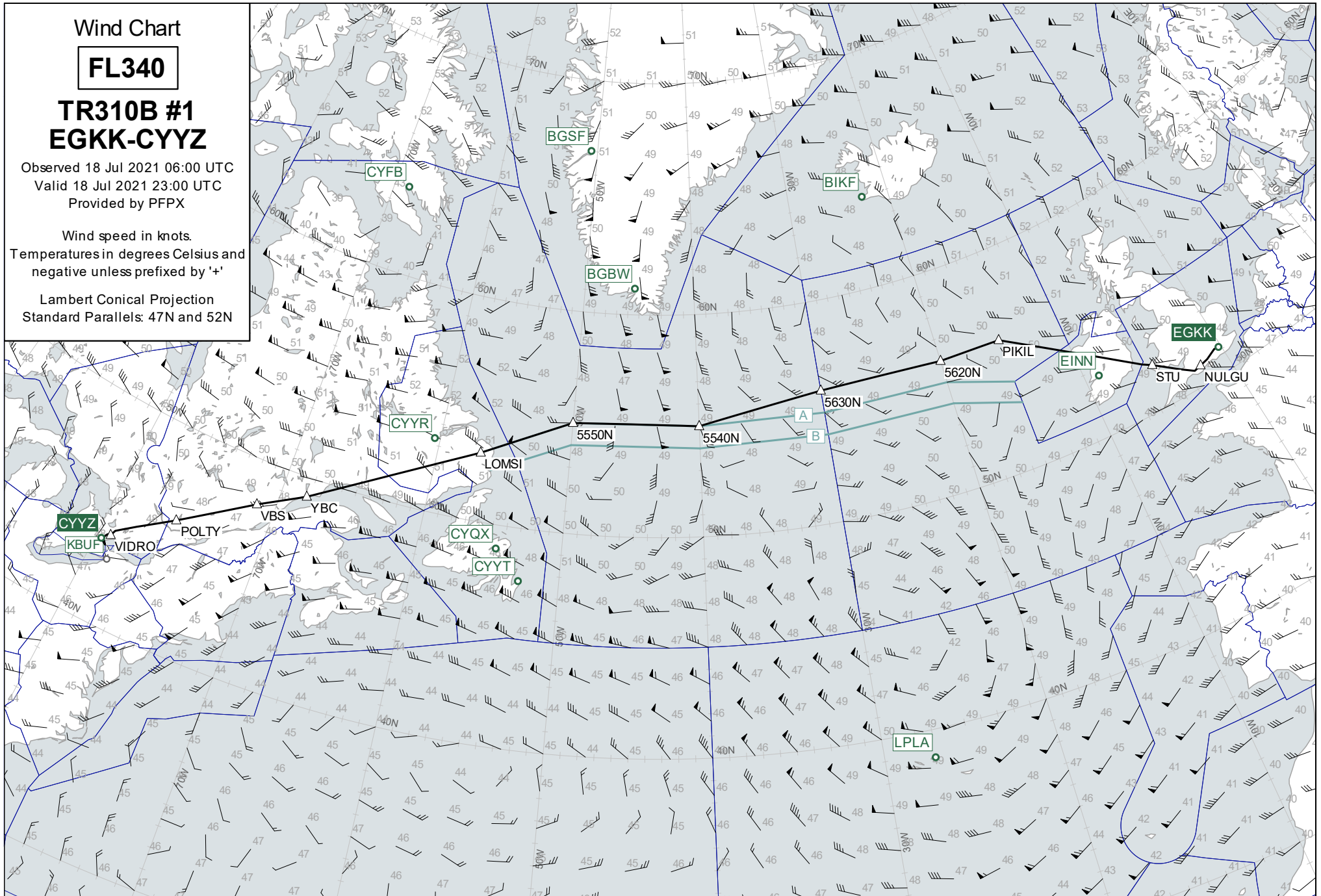
## FL340

### TR310B #1 EGKK-CYYZ

Observed 18 Jul 2021 06:00 UTC  
Valid 18 Jul 2021 23:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 47N and 52N





# Wind Chart

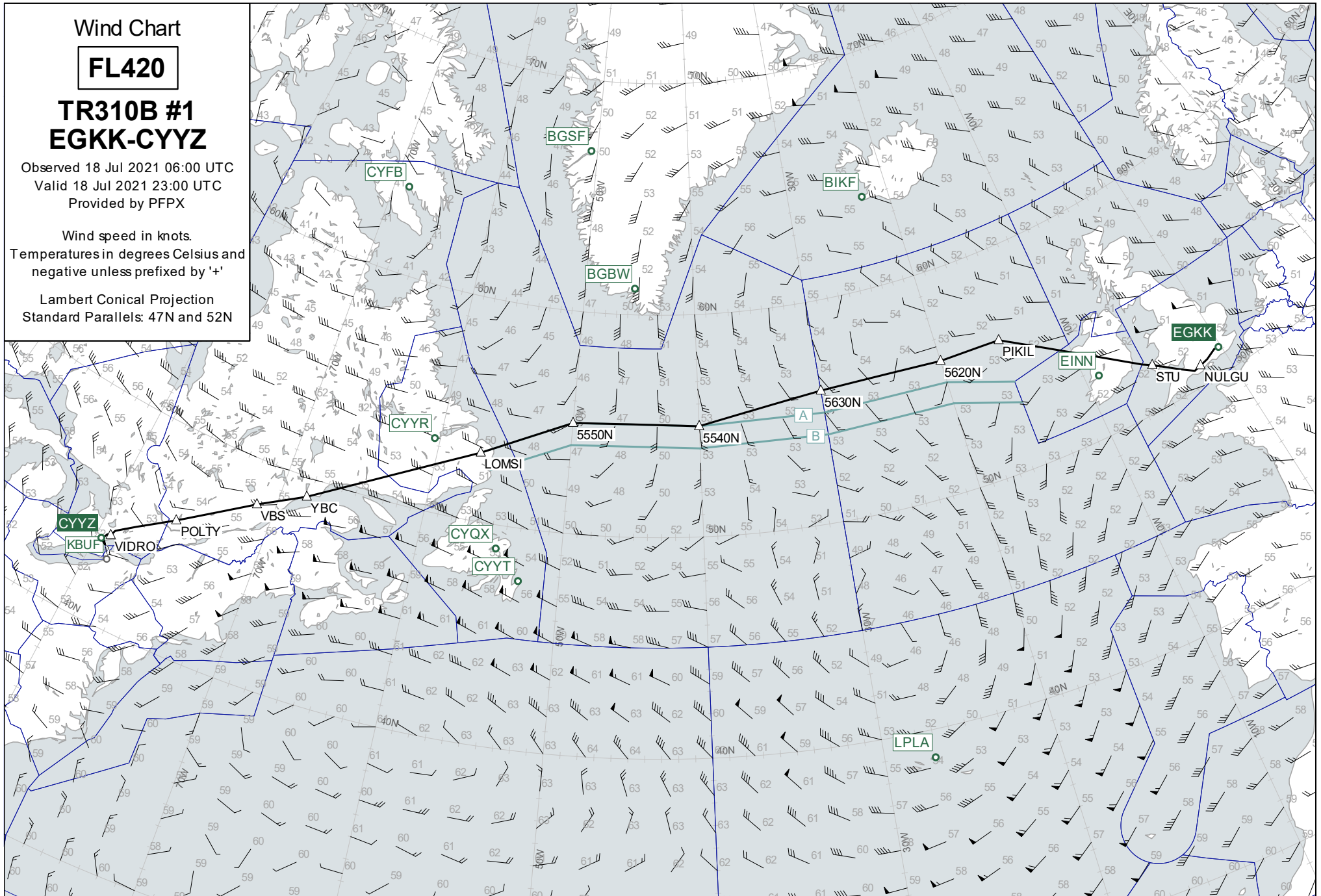
## FL420

### TR310B #1 EGKK-CYYZ

Observed 18 Jul 2021 06:00 UTC  
Valid 18 Jul 2021 23:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 47N and 52N



Destination Area

**FL150**

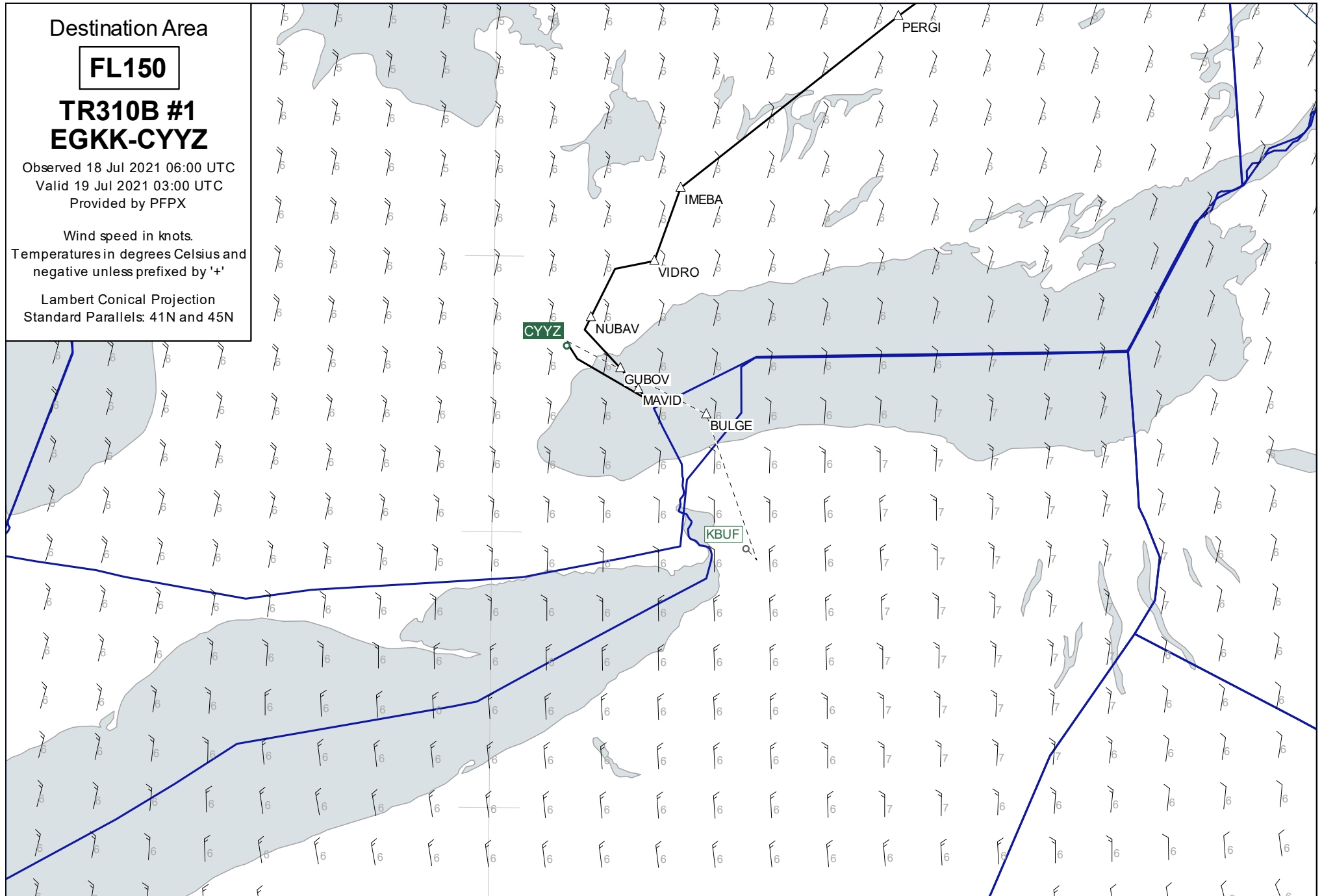
**TR310B #1**  
**EGKK-CYYZ**

Observed 18 Jul 2021 06:00 UTC  
Valid 19 Jul 2021 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 45N



# Plotting Chart

## TR310B #1 EGKK-CYYZ

18 Jul 2021  
PJTGD B77L

Lambert Conical Projection  
Standard Parallels: 51N and 54N

