



## **Flight Briefing Package**

**TCC321B SBGR-CYVR**

**05-Nov-2023 #1**

RELEASE #1

GUARULHOS-GOV ANDRE FRANCO MON  
(BRAZIL)

-

VANCOUVER INTL  
(CANADA)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

05 NOV 1638 UTC

## TCC321B SBGR-CYVR (05-Nov-2023) #1

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC321B PJTGD SBGR-CYVR

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 ALL WEIGHTS IN KILOGRAMS (KG) STD 05NOV/2135Z  
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OPF 1 - PREPARED 05NOV/1638Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR321B/TCC321B PJTGD/B777-2LR GE SEL/EFAD ROUTE: SBGRCYVR01

DEP: SBGR/GRU 10L ELEV 2461 FT COST INDEX: 250 TTL G/C DIST: 5975 NM  
 ARR: CYVR/YVR 08L ELEV 13 FT INIT ALT: FL320 TTL F/P DIST: 6132 NM  
 FUEL BIAS: 102.5% TTL AIR DIST: 6364 NM  
 AVG WIND CMP: HD018 KT

ALT: KSEA/SEA 16R ELEV 432 FT 114 NM

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CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM	ZFW	TOW	LDW
STANDARD	156746	264	0	26136	817 TOW	MAX 209106	295329	223167
						PLN 182882	294512	198863
						ACT .....	.....	.....

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 \*\* TAKE-OFF DATA SBGR 10L \*\*

COND: 294512 KG // RWY DRY // +24•C Q1018 160/07 // LMT: STRUCT  
 CONFIG: FLAPS 15 // TO1 // A/I OFF/AUTO // A/C ON  
 SPEEDS: V1=156 VR=160 V2=164  
 ENG OUT: NONE

	FUEL	CORR	ENDUR	
TRIP	95649	.....	12:59	
CONT 5%	4782	.....	00:46	
ALTN KSEA	3118	.....	00:30	
FINAL RESV	3113	.....	00:30	
HOLD	2080	.....	00:20	
ADD FUEL	1328	.....	00:13	
<b>MIN T/O</b>	<b>110070</b>	.....	15:18	.....
EXTRA	1560	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	1005	.....	00:15	
<b>RELEASE</b>	<b>112635</b>	.....	15:48	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	15311	.....	02:24	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 2377 KG LIM BY ENRTE  
 TRIP CORR FOR 4000 KG TOW INCR: +1011 KG / 4000 KG TOW DECR: -1037 KG  
 2000 FT LOWER: +1095 KG / EET 12:48 CLB: 250/310/84 DES: 84/320/250

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SBGR	STD 21:35Z/18:35L	ETD 21:35Z	ACT OFBL ....	EST T/O 21:50Z	ACT T/O ....
CYVR	STA 10:50Z/02:50L	ETA 10:59Z	ACT ONBL ....	EST LDG 10:49Z	ACT LDG ....
	SKD 13:15	PLN 13:24	TTL BLCK ....	EST FLT 12:59	TTL FLT ....

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (SBGR)	14 NM BEFORE DOTNU	S18 37.7 W051 34.2	EET 01:00
ETOPS EXIT (SBPV)	120 NM BEFORE ARPAR	S11 57.5 W057 53.1	EET 02:04

**TCC321B SBGR-CYVR (05-Nov-2023) #1**

ETOPS ENTRY (SBPV) 22 NM BEFORE MINIB S02 34.4 W066 44.8 EET 03:34  
 ETOPS EXIT (SKBO) 45 NM BEFORE ABIDE N00 07.0 W069 11.1 EET 04:00

**ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD**

SBGR (23:47-01:07)  
 SBPV (00:50-02:58)  
 SKBO (02:45-02:58)

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**ONE ENGINE OUT ETP 1 FOR SBGR/SBPV** S15 29.1 W054 32.3 EET 01:31  
 1E084/320 DESC TO FL210 CRUISE AT 1E0320 48 NM BEFORE OBMIV  
 PLN FUEL OVER ETP 96089 ETP FUEL REQ 16692 DIV TIME 01:33  
 ETP TO SBGR (S23 26.1 W046 28.4) DIST 661 NM WC HD007 TT 138  
 ETP TO SBPV (S08 42.8 W063 54.2) DIST 684 NM WC TL008 TT 305  
 \*\*\* FUEL DUMP REQUIRED \*\*\*

**ONE ENGINE OUT DECOMP ETP 1 FOR SBGR/SBPV** S15 24.5 W054 36.2 EET 01:31  
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 42 NM BEFORE OBMIV  
 PLN FUEL OVER ETP 95993 ETP FUEL REQ 16737 DIV TIME 01:46  
 ETP TO SBGR (S23 26.1 W046 28.4) DIST 667 NM WC 0 TT 138  
 ETP TO SBPV (S08 42.8 W063 54.2) DIST 678 NM WC TL008 TT 305  
 \*\*\* FUEL DUMP REQUIRED \*\*\*

**ALL ENGINE DECOMP ETP 1 FOR SBGR/SBPV** S15 24.5 W054 36.2 EET 01:31  
 84/320/250 DESC TO FL100 CRUISE AT AE320 42 NM BEFORE OBMIV  
 PLN FUEL OVER ETP 95993 ETP FUEL REQ 15946 DIV TIME 01:46  
 ETP TO SBGR (S23 26.1 W046 28.4) DIST 667 NM WC 0 TT 138  
 ETP TO SBPV (S08 42.8 W063 54.2) DIST 678 NM WC TL008 TT 305  
 \*\*\* FUEL DUMP REQUIRED \*\*\*

**ONE ENGINE OUT DECOMP ETP 2 FOR SBPV/SKBO** S01 19.1 W067 53.9 EET 03:46  
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 161 NM BEFORE ABIDE  
 PLN FUEL OVER ETP 78199 ETP FUEL REQ 12825 DIV TIME 01:22  
 ETP TO SBPV (S08 42.8 W063 54.2) DIST 505 NM WC HD006 TT 152  
 ETP TO SKBO (N04 42.1 W074 08.8) DIST 521 NM WC TL006 TT 314  
 \*\*\* FUEL DUMP REQUIRED \*\*\*

**ALL ENGINE DECOMP ETP 2 FOR SBPV/SKBO** S01 19.1 W067 53.9 EET 03:46  
 84/320/250 DESC TO FL100 CRUISE AT AE320 161 NM BEFORE ABIDE  
 PLN FUEL OVER ETP 78199 ETP FUEL REQ 12239 DIV TIME 01:22  
 ETP TO SBPV (S08 42.8 W063 54.2) DIST 505 NM WC HD006 TT 152  
 ETP TO SKBO (N04 42.1 W074 08.8) DIST 521 NM WC TL006 TT 314  
 \*\*\* FUEL DUMP REQUIRED \*\*\*

**ONE ENGINE OUT ETP 2 FOR SBPV/SKBO** S01 15.8 W067 56.9 EET 03:47  
 1E084/320 DESC TO FL235 CRUISE AT 1E0320 157 NM BEFORE ABIDE  
 PLN FUEL OVER ETP 78132 ETP FUEL REQ 12969 DIV TIME 01:09  
 ETP TO SBPV (S08 42.8 W063 54.2) DIST 509 NM WC HD006 TT 152  
 ETP TO SKBO (N04 42.1 W074 08.8) DIST 517 NM WC TL001 TT 314  
 \*\*\* FUEL DUMP REQUIRED \*\*\*

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**ATC ROUTE:** N0505F320 ZORZ2A GERTU UL201 BITOV/N0499F340 UL201 LONAX UM782  
 DELVI/N0495F360 UM782 AVSEB UL577 CZM UA766 KEHLI A766 SBI DCT LFK  
 DCT GGG DCT UIM DCT IRW DCT IFI/N0486F380 DCT GLD DCT CYS DCT BOY  
 DCT HIA DCT MLP Q142 METOW GRIZZ7

## TCC321B SBGR-CYVR (05-Nov-2023) #1

### ALTERNATE PLANNING

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 ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE  
 KSEA/16R 114 9000 113 HD009 00:30 3118 - YVR JAWBN6

MOST CRITICAL MORA 16100 FT AT HIA

AWY -FIR	WAYPOINT NAME	MT	ALT ISA	MSA	FREQ WND/SPD	TAS GS	LEG REM	FUEL REM / USED POSITION	LEG ETO / ATO	ACC
	<b>SBGR/10L</b> GUARULHOS-GOV ANDRE		2461	072				111.6 / 1.0 S2326.1 W04629.0	...../.....	
ZORZ2A	<b>AMVUL</b>	095	*CLB	072	P14 215/003		7 6125	110.2 / 2.4 S2324.0 W04621.7	03 00.03 ...../.....	
ZORZ2A	<b>GR027</b>	132	*CLB	072	P15 238/009		7 6118	109.8 / 2.8 S2326.3 W04614.7	01 00.04 ...../.....	
ZORZ2A	<b>GR209</b>	213	*CLB	072	P15 240/016		7 6111	109.4 / 3.2 S2333.5 W04616.1	02 00.06 ...../.....	
ZORZ2A	<b>GR212</b>	280	*CLB	072	P16 242/029		14 6097	108.7 / 4.0 S2336.5 W04631.2	02 00.08 ...../.....	
ZORZ2A	<b>CGO</b> CONGONHAS SAO PAULO	283	*CLB	072	P15 243/033	<b>116.90</b>	8 6089	108.3 / 4.3 S2337.7 W04639.3	01 00.09 ...../.....	
ZORZ2A	<b>GR739</b>	259	*CLB	072	P14 244/035		3 6086	108.2 / 4.4 S2339.3 W04642.0	01 00.10 ...../.....	
ZORZ2A	<b>ZORZA</b>	260	*CLB	072	P14 245/038		6 6080	108.0 / 4.7 S2342.5 W04647.6	00 00.10 ...../.....	
ZORZ2A -SBBS	<b>*BDRY</b>	353	*CLB	072	P13 246/044		15 6065	107.4 / 5.2 S2329.0 W04655.8	03 00.13 ...../.....	
ZORZ2A	<b>GR103</b>	353	*CLB	072	P13 247/046		5 6059	107.3 / 5.4 S2324.3 W04658.6	00 00.13 ...../.....	
ZORZ2A	<b>GR104</b>	353	*CLB	072	P13 247/048		9 6050	107.0 / 5.6 S2316.4 W04703.5	01 00.14 ...../.....	
ZORZ2A	<b>GERTU</b>	353	FL320	054	P12 250/043	505 58 495 5992		105.7 / 6.9 S2225.8 W04733.8	07 00.21 ...../.....	
UL201	<b>ESGAS</b>	336	FL320	048	P12 249/037	505 48 486 5944		104.9 / 7.8 S2152.2 W04811.1	06 00.27 ...../.....	
UL201	<b>UPONA</b>	336	FL320	040	P12 248/029	505 57 492 5888		103.9 / 8.7 S2112.7 W04854.5	07 00.34 ...../.....	
UL201	<b>ROBID</b>	336	FL320	040	P12 248/021	505 104 496 5784		102.1 / 10.5 S1959.7 W05013.2	13 00.47 ...../.....	

**TCC321B SBGR-CYVR (05-Nov-2023) #1**

UL201	PANAB	336	FL320	036	505	29	101.6 / 11.0	03	00.50
					P12	246/019	498 5755	S1939.6	W05034.5
								...../.....	
UL201	OSELA	338	FL320	040	505	44	100.9 / 11.7	06	00.56
					P12	240/015	500 5711	S1906.8	W05106.2
								...../.....	
----- ETOPS ENTRY (SBGR) 0014 NM BEFORE DOTNU EET 01:00 -----									
UL201	DOTNU	338	FL320	043	505	54	100.0 / 12.6	06	01.02
					P13	241/009	503 5657	S1827.0	W05144.5
								...../.....	
UL201	UKLOD	338	FL320	047	505	57	99.1 / 13.6	07	01.09
					P13	236/004	504 5600	S1744.8	W05224.4
								...../.....	
UL201	UGAPI	337	FL320	047	506	75	97.8 / 14.8	09	01.18
-SBAZ					P13	097/002	507 5525	S1650.4	W05317.5
								...../.....	
UL201	ESPIN	337	FL320	042	506	10	97.7 / 15.0	01	01.19
					P13	093/003	508 5515	S1642.7	W05324.9
								...../.....	
UL201	ENSUK	337	FL320	042	506	16	97.4 / 15.2	02	01.21
					P13	091/004	508 5499	S1630.9	W05336.4
								...../.....	
UL201	LOGAP	337	FL320	043	506	45	96.7 / 16.0	05	01.26
					P13	092/008	511 5454	S1557.7	W05407.8
								...../.....	
	*ETP 1	340	FL320	043	506	43	96.0 / 16.6	05	01.31
	SBGR/SBPV				P13	093/010	512 5411	S1524.5	W05436.2
								...../.....	
UL201	OBMIV	340	FL320	043	506	42	95.3 / 17.3	05	01.36
					P13	094/012	515 5369	S1452.1	W05503.8
								...../.....	
UL201	GEMAT	338	FL320	039	506	52	94.5 / 18.1	06	01.42
					P13	095/016	518 5317	S1412.8	W05539.2
								...../.....	
UL201	EQUAL	335	FL320	039	506	38	93.9 / 18.7	05	01.47
					P13	095/017	520 5278	S1345.4	W05606.6
								...../.....	
UL201	ISLUT	334	FL320	030	506	88	92.5 / 20.1	10	01.57
					P13	094/019	521 5191	S1242.4	W05709.0
								...../.....	
UL201	BITOV	334	*CLB	029		38	91.9 / 20.7	04	02.01
					P13	092/019	5153	S1215.1	W05736.0
								...../.....	
UL201	*TOC	334	FL340	029	499	11	91.6 / 21.0	02	02.03
					P12	090/019	512 5141	S1207.0	W05743.8
								...../.....	
----- ETOPS EXIT (SBPV) 0120 NM BEFORE ARPAP EET 02:04 -----									
UL201	ARPAP	334	FL340	030	499	133	89.6 / 23.1	15	02.18
					P12	095/023	517 5008	S1030.9	W05917.2
								...../.....	
UL201	BUPNA	333	FL340	027	500	178	86.9 / 25.8	21	02.39
					P12	102/022	518 4831	S0822.2	W06121.3
								...../.....	
UL201	OBEBA	332	FL340	023	499	118	85.1 / 27.5	13	02.52
					P12	102/020	517 4713	S0656.5	W06242.8
								...../.....	

**TCC321B SBGR-CYVR (05-Nov-2023) #1**

UL201	PERSA	332	FL340	016	499	72	84.0 / 28.6	09	03.01	
					P12 120/018	517 4641	S0604.3 W06332.1	...../.....		
UL201	EDSUN	331	FL340	030	500	47	83.3 / 29.3	05	03.06	
					P12 125/015	516 4594	S0530.3 W06404.1	...../.....		
UL201	EGLER	331	FL340	030	500	16	83.1 / 29.6	02	03.08	
					P12 124/014	514 4578	S0518.3 W06415.3	...../.....		
UL201	ISONA	333	FL340	030	500	82	81.8 / 30.8	10	03.18	
					P12 128/012	512 4495	S0416.1 W06509.1	...../.....		
UL201	BUMBA	333	FL340	030	500	57	81.0 / 31.7	06	03.24	
					P12 133/010	511 4439	S0333.1 W06546.2	...../.....		
UL201	GAVIT	328	FL340	060	500	76	79.8 / 32.8	09	03.33	
					P12 139/011	512 4362	S0239.2 W06640.0	...../.....		
----- ETOPS ENTRY (SBPV) 0022 NM BEFORE MINIB EET 03:34 -----										
UL201	MINIB	327	FL340	060	500	29	79.4 / 33.2	04	03.37	
					P12 144/013	512 4334	S0219.0 W06700.3	...../.....		
	*ETP 2	330	FL340	060	500	85	78.1 / 34.5	10	03.47	
	SBPV/SKBO				P12 148/013	514 4249	S0115.8 W06756.9	...../.....		
----- ETOPS EXIT (SKBO) 0045 NM BEFORE ABIDE EET 04:00 -----										
UL201	ABIDE	329	FL340	025	501	157	75.8 / 36.8	18	04.05	
	-SKED				P12 187/008	508 4092	N0040.7 W06941.3	...../.....		
UL201	ORIBO	334	FL340	040	501	122	74.0 / 38.7	14	04.19	
					P12 197/006	505 3971	N0217.7 W07054.2	...../.....		
UL201	LONAX	333	FL340	043	502	123	72.1 / 40.5	15	04.34	
					P13 260/011	497 3847	N0356.0 W07208.4	...../.....		
UM782	EJA	341	FL340	157	<b>115.90</b>	502	211	68.9 / 43.7	25	04.59
	BARRANCABERMEJA				P13 207/005	504 3636	N0701.7 W07348.3	...../.....		
	SKBQ	327	FL340	139		61	68.0 / 44.6	08	05.07	
	-SKEC				P13 120/001	3575	N0746.9 W07429.3	...../.....		
UM782	XOGEN	326	FL340	086	502	1	68.0 / 44.6	00	05.07	
					P13 220/004	503 3574	N0747.6 W07430.0	...../.....		
UM782	USVUS	326	FL340	101	502	38	67.5 / 45.2	04	05.11	
					P13 192/004	503 3537	N0815.4 W07455.4	...../.....		
UM782	MEVUB	326	FL340	101	502	107	65.9 / 46.7	13	05.24	
					P13 197/006	505 3430	N0934.4 W07607.9	...../.....		
UM782	AGUJA	326	FL340	022	502	114	64.2 / 48.4	14	05.38	
	-MPZL				P13 156/007	509 3316	N1059.1 W07725.0	...../.....		
UM782	LONET	329	FL340	010	503	182	61.6 / 51.0	21	05.59	
					P13 080/026	515 3134	N1323.1 W07918.8	...../.....		

**TCC321B SBGR-CYVR (05-Nov-2023) #1**

	<b>MKJS</b>	328	FL340	010		3	61.6 / 51.0	00	05.59
				P13	085/022	3130	N1325.8 W07920.9	...../.....	
UM782	<b>ARNAL</b>	328	FL340	014		503 120	59.9 / 52.7	14	06.13
-MKJK				P13	093/020	515 3011	N1500.0 W08036.9	...../.....	
UM782	<b>DELVI</b>	319	*CLB	010		126	58.1 / 54.5	15	06.28
-MHTG				P13	165/008	2884	N1627.1 W08211.4	...../.....	
	<b>MMUN</b>	318	FL360	014		85	56.8 / 55.8	10	06.38
				P10	242/005	2799	N1725.6 W08315.8	...../.....	
UM782	<b>OMIRO</b>	318	FL360	014		495 97	55.5 / 57.2	12	06.50
				P11	229/014	496 2703	N1831.5 W08429.7	...../.....	
UM782	<b>TAKUX</b>	323	FL360	010		495 120	53.8 / 58.9	14	07.04
-MMID				P11	236/027	491 2582	N2001.6 W08553.8	...../.....	
UM782	<b>AVSEB</b>	321	FL360	015		496 28	53.4 / 59.3	04	07.08
				P11	240/031	488 2555	N2022.2 W08613.5	...../.....	
UL577	<b>GOSUL</b>	285	FL360	015		497 15	53.1 / 59.5	02	07.10
				P11	240/032	472 2540	N2025.3 W08628.7	...../.....	
UL577	<b>CZM</b>	285	FL360	015	<b>112.50</b>	496 25	52.8 / 59.9	03	07.13
	COZUMEL			P11	241/032	472 2515	N2030.5 W08654.7	...../.....	
UA766	<b>VOBED</b>	329	FL360	016		496 31	52.3 / 60.3	04	07.17
				P11	242/035	491 2484	N2056.4 W08713.2	...../.....	
UA766	<b>VIGTU</b>	329	FL360	016		496 39	51.8 / 60.9	04	07.21
				P10	245/037	489 2445	N2128.7 W08736.5	...../.....	
UA766	<b>AXEVU</b>	328	FL360	015		496 23	51.4 / 61.2	03	07.24
				P10	246/037	488 2422	N2147.9 W08750.4	...../.....	
UA766	<b>MUXOG</b>	328	FL360	015		496 28	51.1 / 61.6	04	07.28
				P10	248/036	487 2394	N2210.8 W08807.1	...../.....	
UA766	<b>IGTOB</b>	328	FL360	010		496 31	50.6 / 62.0	03	07.31
				P11	252/036	485 2364	N2236.1 W08825.6	...../.....	
UA766	<b>ITLOM</b>	328	FL360	010		496 5	50.6 / 62.1	01	07.32
				P10	253/036	485 2359	N2240.0 W08828.5	...../.....	
UA766	<b>RORLA</b>	328	FL360	010		496 8	50.4 / 62.2	01	07.33
				P11	254/036	484 2351	N2246.6 W08833.4	...../.....	
UA766	<b>LEVAT</b>	328	FL360	010		496 22	50.1 / 62.5	03	07.36
				P10	258/037	483 2328	N2305.0 W08847.0	...../.....	
UA766	<b>SUVUM</b>	327	FL360	010		497 62	49.2 / 63.4	08	07.44
				P10	271/046	471 2266	N2356.2 W08925.4	...../.....	
UA766	<b>KEHLI</b>	327	FL360	010		497 40	48.6 / 64.0	05	07.49
-KZHU				P10	271/053	465 2226	N2429.2 W08950.4	...../.....	
	<b>KIAH</b>	326	FL360	010		119	46.8 / 65.8	15	08.04

**TCC321B SBGR-CYVR (05-Nov-2023) #1**

				P09 276/055	2107	N2606.3	W09105.7	...../.....
A766	<b>KELPP</b>	325	FL360	010	497 79	45.6 / 67.0	11	08.15
				P08 275/066	452 2028	N2710.5	W09157.0	...../.....
A766	<b>KENGs</b>	324	FL360	014	497 69	44.5 / 68.1	09	08.24
				P08 269/073	450 1959	N2806.3	W09242.4	...../.....
A766	<b>KLAMS</b>	324	FL360	014	497 11	44.4 / 68.3	01	08.25
				P08 269/074	450 1948	N2815.0	W09249.7	...../.....
A766	<b>LAURL</b>	324	FL360	014	496 47	43.7 / 69.0	07	08.32
				P08 269/078	448 1901	N2853.0	W09321.3	...../.....
A766	<b>SBI</b>	323	FL360	032	<b>115.40</b> 496 60	42.7 / 69.9	08	08.40
	SABINE PASS			P07 267/082	445 1841	N2941.2	W09402.3	...../.....
DCT	<b>LFK</b>	338	FL360	032	<b>112.10</b> 495 95	41.3 / 71.3	12	08.52
	LUFKIN			P06 265/078	465 1746	N3109.8	W09443.0	...../.....
DCT	<b>*BDRY</b>	357	FL360	025	492 23	41.0 / 71.6	03	08.55
	-KZFW			P06 264/077	488 1723	N3132.5	W09443.7	...../.....
DCT	<b>GGG</b>	357	FL360	032	<b>112.90</b> 491 53	40.3 / 72.4	06	09.01
	GREGG CO. LONGVIEW			P05 266/069	488 1670	N3225.1	W09445.2	...../.....
DCT	<b>UIM</b>	311	FL360	032	<b>114.00</b> 494 42	39.6 / 73.0	06	09.07
	QUITMAN			P04 268/061	445 1629	N3252.8	W09522.0	...../.....
	<b>KDFW</b>	322	FL360	032	27	39.2 / 73.4	03	09.10
				P05 280/046	1602	N3314.3	W09540.9	...../.....
DCT	<b>IRW</b>	322	FL360	039	<b>114.10</b> 491 159	36.9 / 75.7	21	09.31
	WILL ROGERS OKLAHOMA			P03 289/040	458 1442	N3521.5	W09736.6	...../.....
DCT	<b>IFI</b>	321	*CLB	047	<b>114.70</b> 33	36.4 / 76.2	04	09.35
	KINGFISHER			P03 285/043	1409	N3548.3	W09800.2	...../.....
DCT	<b>*BDRY</b>	319	*CLB	047	6	36.3 / 76.3	01	09.36
	-KZKC			P00 279/045	1404	N3552.7	W09804.5	...../.....
	<b>KDEN</b>	318	FL380	049	148	34.0 / 78.6	20	09.56
				M00 281/079	1256	N3748.1	W10000.0	...../.....
DCT	<b>*BDRY</b>	316	FL380	049	486 52	33.2 / 79.4	08	10.04
	-KZDV			M03 282/075	426 1204	N3828.2	W10042.1	...../.....
DCT	<b>GLD</b>	315	FL380	058	<b>115.10</b> 486 72	32.1 / 80.6	10	10.14
	GOODLAND			M02 282/084	418 1132	N3923.3	W10141.5	...../.....
DCT	<b>CYS</b>	303	FL380	094	<b>113.10</b> 487 179	29.1 / 83.5	27	10.41
	CHEYENNE			M03 278/103	395 953	N4112.7	W10446.4	...../.....
DCT	<b>*BDRY</b>	304	FL380	126	489 138	26.8 / 85.8	21	11.02
	-KZLC			P00 273/105	398 815	N4243.7	W10706.1	...../.....
DCT	<b>BOY</b>	301	FL380	134	<b>117.80</b> 490 69	25.7 / 86.9	10	11.12
	BOYSEN RESERVOIR			P00 270/107	402 746	N4327.8	W10818.0	...../.....



**TCC321B SBGR-CYVR (05-Nov-2023) #1**

	<b>KMSO</b>	303	FL380	161		59	24.7 / 87.9	09	11.21
				P02 259/108		686	N4407.6 W10919.1	...../.....	
DCT	<b>HIA</b>	302	FL380	147	<b>113.70</b>	493	160	22.3 / 90.4	23 11.44
	WHITEHALL			P03 262/084	428	526	N4551.7 W11210.2	...../.....	
DCT	<b>*BDRY</b>	293	FL380	134		493	141	20.2 / 92.4	19 12.03
	-KZSE			P04 255/055	452	385	N4710.5 W11500.0	...../.....	
DCT	<b>MLP</b>	290	FL380	099	<b>117.80</b>	493	31	19.8 / 92.8	04 12.07
	MULLAN PASS			P03 252/051	455	354	N4727.4 W11538.8	...../.....	
	<b>CYVR</b>	271	FL380	099		135	17.9 / 94.7	18 12.25	
				P05 242/033		219	N4757.9 W11854.1	...../.....	
Q142	<b>METOW</b>	268	FL380	122		493	51	17.2 / 95.4	06 12.31
				P04 240/035	465	168	N4808.0 W12009.0	...../.....	
GRIZZ7	<b>*TOD</b>	270	FL380	130		493	38	16.7 / 95.9	05 12.36
				P04 237/033	469	130	N4817.6 W12104.0	...../.....	
GRIZZ7	<b>ILSAA</b>	269	*DES	130			27	16.7 / 96.0	04 12.40
				M09 214/029			103	N4824.0 W12142.9	...../.....
GRIZZ7	<b>PIZZE</b>	291	*DES	130			20	16.6 / 96.0	02 12.42
				M05 203/017			83	N4835.7 W12207.3	...../.....
GRIZZ7	<b>EGRET</b>	280	*DES	094			17	16.6 / 96.1	03 12.45
				M03 186/013			66	N4842.7 W12230.6	...../.....
GRIZZ7	<b>*BDRY</b>	296	*DES	113			26	16.4 / 96.2	05 12.50
	-CZVR			M04 162/006			40	N4900.0 W12300.8	...../.....
GRIZZ7	<b>TATGO</b>	296	*DES	113			3	16.4 / 96.2	00 12.50
				M04 160/005			37	N4902.0 W12304.2	...../.....
GRIZZ7	<b>YVR</b>	296	*DES	113	<b>115.90</b>		4	16.4 / 96.3	01 12.51
	VANCOUVER			M04 155/004			32	N4904.6 W12309.0	...../.....
GRIZZ7	<b>NAKMA</b>	270	*DES	113			17	16.2 / 96.4	04 12.55
				M05 116/001			15	N4909.1 W12334.6	...../.....
GRIZZ7	<b>CYVR/08L</b>	062		13 113			15	16.0 / 96.7	04 12.59
	VANCOUVER INTL							N4912.3 W12312.1	...../.....

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## TCC321B SBGR-CYVR (05-Nov-2023) #1

### WIND INFORMATION - OBS 05/NOV 06:00

<b>(CLIMB)</b>			<b>ESGAS</b>			<b>ROBID</b>			<b>DOTNU</b>		
FL290	248/050	-29	FL360	250/039	-46	FL360	247/024	-46	FL360	256/011	-46
FL230	244/035	-16	FL340	253/037	-41	FL340	246/025	-41	FL340	248/013	-41
FL170	244/024	-3	FL320	249/037	-36	FL320	248/021	-36	FL320	242/010	-36
FL110	240/008	+9	FL300	245/038	-31	FL300	252/017	-31	FL300	229/006	-30
5000	138/004	+19	FL280	243/034	-27	FL280	242/016	-27	FL280	208/006	-26
<b>UGAPI</b>			<b>OBMIV</b>			<b>ISLUT</b>			<b>ARPAR</b>		
FL360	031/000	-46	FL360	096/013	-46	FL360	099/017	-46	FL380	101/021	-51
FL340	062/001	-41	FL340	091/012	-40	FL340	094/018	-40	FL360	098/022	-46
FL320	098/003	-35	FL320	094/013	-35	FL320	094/019	-35	FL340	096/023	-40
FL300	108/004	-30	FL300	097/014	-30	FL300	095/021	-30	FL320	098/021	-35
FL280	104/007	-25	FL280	088/014	-26	FL280	087/020	-25	FL300	100/019	-29
<b>BUPNA</b>			<b>OBEBA</b>			<b>EDSUN</b>			<b>BUMBA</b>		
FL380	114/018	-51	FL380	120/016	-51	FL380	127/015	-51	FL380	156/013	-51
FL360	108/020	-45	FL360	111/018	-46	FL360	127/015	-46	FL360	146/012	-46
FL340	102/023	-40	FL340	103/021	-40	FL340	126/015	-40	FL340	134/011	-40
FL320	104/022	-35	FL320	103/021	-35	FL320	111/016	-35	FL320	118/012	-35
FL300	106/022	-29	FL300	102/020	-30	FL300	099/018	-30	FL300	104/013	-30
<b>MINIB</b>			<b>ABIDE</b>			<b>ORIBO</b>			<b>LONAX</b>		
FL380	169/015	-51	FL380	184/015	-51	FL380	193/010	-51	FL380	247/013	-51
FL360	158/014	-46	FL360	185/012	-46	FL360	195/008	-46	FL360	253/012	-46
FL340	144/013	-40	FL340	187/008	-40	FL340	197/007	-40	FL340	260/012	-40
FL320	124/013	-35	FL320	167/006	-35	FL320	201/004	-35	FL320	267/007	-35
FL300	104/014	-29	FL300	135/006	-29	FL300	215/002	-29	FL300	318/002	-29
<b>EJA</b>			<b>MEVUB</b>			<b>AGUJA</b>			<b>LONET</b>		
FL380	202/002	-51	FL380	156/001	-51	FL380	118/003	-51	FL380	079/019	-50
FL360	206/004	-46	FL360	191/004	-45	FL360	147/005	-45	FL360	080/023	-45
FL340	207/006	-40	FL340	198/007	-39	FL340	156/008	-39	FL340	080/027	-39
FL320	207/005	-35	FL320	179/006	-34	FL320	134/010	-34	FL320	094/027	-34
FL300	206/004	-29	FL300	160/007	-29	FL300	119/013	-29	FL300	107/029	-29
<b>ARNAL</b>			<b>OMIRO</b>			<b>TAKUX</b>			<b>VIGTU</b>		
FL380	068/014	-51	FL400	251/016	-56	FL400	259/031	-56	FL400	252/035	-57
FL360	083/017	-45	FL380	243/015	-51	FL380	252/030	-51	FL380	246/038	-51
FL340	094/021	-40	FL360	230/014	-46	FL360	236/028	-46	FL360	246/037	-46
FL320	106/019	-35	FL340	214/014	-40	FL340	217/027	-40	FL340	246/037	-40
FL300	120/019	-30	FL320	261/006	-35	FL320	254/022	-35	FL320	257/036	-35
<b>LEVAT</b>			<b>KEHLI</b>			<b>KELPP</b>			<b>LAURL</b>		
FL400	265/037	-56	FL400	279/055	-57	FL400	272/073	-58	FL400	271/089	-58
FL380	259/038	-51	FL380	277/055	-52	FL380	274/070	-53	FL380	270/087	-53
FL360	258/038	-46	FL360	271/053	-46	FL360	276/067	-48	FL360	269/079	-48
FL340	257/038	-40	FL340	264/051	-41	FL340	278/063	-42	FL340	268/070	-43
FL320	264/039	-35	FL320	269/050	-36	FL320	279/056	-37	FL320	270/057	-39
<b>LFK</b>			<b>UIM</b>			<b>IRW</b>			<b>GLD</b>		
FL400	269/095	-59	FL400	267/074	-59	FL400	278/049	-60	FL420	275/080	-62
FL380	266/092	-54	FL380	266/074	-56	FL380	283/044	-58	FL400	280/082	-61
FL360	265/078	-50	FL360	268/062	-52	FL360	290/040	-54	FL380	282/085	-59
FL340	264/063	-46	FL340	272/049	-48	FL340	298/037	-49	FL360	279/087	-55

**TCC321B SBGR-CYVR (05-Nov-2023) #1**

FL320 264/052 -41 FL320 272/042 -43 FL320 291/034 -44 FL340 276/089 -50

**CYS**

FL420 273/087 -60  
FL400 277/096 -60  
FL380 279/103 -59  
FL360 276/104 -55  
FL340 272/105 -51

**BOY**

FL420 268/087 -57  
FL400 269/098 -57  
FL380 270/108 -56  
FL360 270/114 -54  
FL340 270/120 -51

**HIA**

FL420 263/069 -53  
FL400 262/077 -54  
FL380 262/084 -54  
FL360 262/086 -53  
FL340 262/089 -52

**MLP**

FL420 254/050 -52  
FL400 253/051 -53  
FL380 253/051 -53  
FL360 253/048 -54  
FL340 252/046 -54

**(DESCENT)**

FL350 235/020 -57  
FL280 243/028 -48  
FL210 254/021 -31  
14000 243/016 -16  
7000 217/007 -3

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END FLIGHTPLAN 01764 TCC321B PJTGD SBGR-CYVR 05NOV2023

## TCC321B SBGR-CYVR (05-Nov-2023) #1

### [ATC FLIGHTPLAN]

(FPL-TCC321B-IS

-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2

-SBGR2135

-N0505F320 ZORZ2A GERTU UL201 BITOV/N0499F340 UL201 LONAX UM782

DELVI/N0495F360 UM782 AVSEB UL577 CZM UA766 KEHLI A766 SBI DCT

LFK DCT GGG DCT UIM DCT IRW DCT IFI/N0486F380 DCT GLD DCT CYS

DCT BOY DCT HIA DCT MLP Q142 METOW GRIZZ7

-CYVR1259 KSEA

-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/231105 REG/PJTGD

EET/SBBS0013 SBAZ0118 SKED0405 SKEC0507 MPZL0538 MKJK0613

MHTG0628 MMID0704 KZHU0749 KZFW0855 KZKC0936 KZDV1004 KZLC1102

KZSE1203 CZVR1250

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

ORGN/TNCCTCAP PER/D

RALT/SBPV SKBO

RMK/TCAS

-E/1533)

## TCC321B SBGR-CYVR (05-Nov-2023) #1

[PLANNING WEATHER]

**ORIGIN: SBGR/GRU (GUARULHOS-GOV ANDRE FRANCO MON, BRAZIL) UTC -03:00**

SBGR 051600Z 16007KT CAVOK 24/13 Q1018  
NO TAF AVAILABLE

**DESTINATION: CYVR/YVR (VANCOUVER INTL, CANADA) UTC -08:00**

CYVR 051600Z 10009G16KT 20SM FEW058 SCT071 BKN080 BKN210 11/11 A2981 RMK  
SC2AC2AC3CI1 CI TR SLP096  
NO TAF AVAILABLE

**ALTERNATE: KSEA/SEA (SEATTLE-TACOMA INTL, UNITED STATES) UTC -08:00**

KSEA 051553Z 14009KT 10SM FEW047 BKN090 BKN180 10/07 A2987 RMK A02 SLP121  
T01000067 \$  
NO TAF AVAILABLE

**EDTO AIRPORT: SKBO/BOG (EL DORADO INTL, COLOMBIA) UTC -05:00**

SKBO 051600Z 05003KT 9999 BKN023 SCT080 18/11 Q1027 NOSIG  
NO TAF AVAILABLE

**EDTO AIRPORT: SBPV/PVH (GOVERNADOR JORGE TEIXEIRA DE O, BRAZIL) UTC -04:00**

SBPV 051600Z VRB03KT 9999 BKN030 32/23 Q1010  
NO TAF AVAILABLE

**MHTG/TGU (TONCONTIN INTL, HONDURAS) UTC -06:00**

MHTG 051600Z 03003KT 7000 FEW008 BKN024 24/20 Q1018 A3006 NOSIG  
NO TAF AVAILABLE

**ADEQUATE: SKBQ/BAQ (ERNESTO CORTISSOZ, COLOMBIA) UTC -05:00**

SKBQ 051600Z 05005KT 010V100 9999 FEW015 32/26 Q1009 NOSIG  
NO TAF AVAILABLE

**ADEQUATE: MKJS/MBJ (SANGSTER INTL, JAMAICA) UTC -05:00**

MKJS 051600Z 07013KT 9999 FEW022 30/25 Q1011  
NO TAF AVAILABLE

**TCC321B SBGR-CYVR (05-Nov-2023) #1**

**ADEQUATE: MMUN/CUN (CANCUN INTL, MEXICO)**

**UTC -06:00**

MMUN 051551Z 01006KT 4SM -RA BKN012 OVC100 25/23 A3001 RMK 60195 8/77/  
NO TAF AVAILABLE

**ADEQUATE: KIAH/IAH (GEORGE BUSH INTCNTL/HOUSTON, UNITED STATES)**

**UTC -06:00**

KIAH 051553Z VRB04KT 8SM FEW005 BKN250 20/19 A3018 RMK A02 SLP220  
T02000194 \$  
NO TAF AVAILABLE

**ADEQUATE: KDFW/DFW (DALLAS-FT WORTH INTL, UNITED STATES)**

**UTC -06:00**

KDFW 051553Z 20010KT 10SM FEW070 SCT250 22/16 A3013 RMK A02 SLP197  
T02170156  
NO TAF AVAILABLE

**ADEQUATE: KDEN/DEN (DENVER INTL, UNITED STATES)**

**UTC -07:00**

KDEN 051553Z 20007KT 10SM FEW120 SCT160 BKN220 15/M06 A2999 RMK A02 SLP115  
ACSL OMTNS DSNT W T01501056  
NO TAF AVAILABLE

**ADEQUATE: KMSO/MSO (MISSOULA MONTANA, UNITED STATES)**

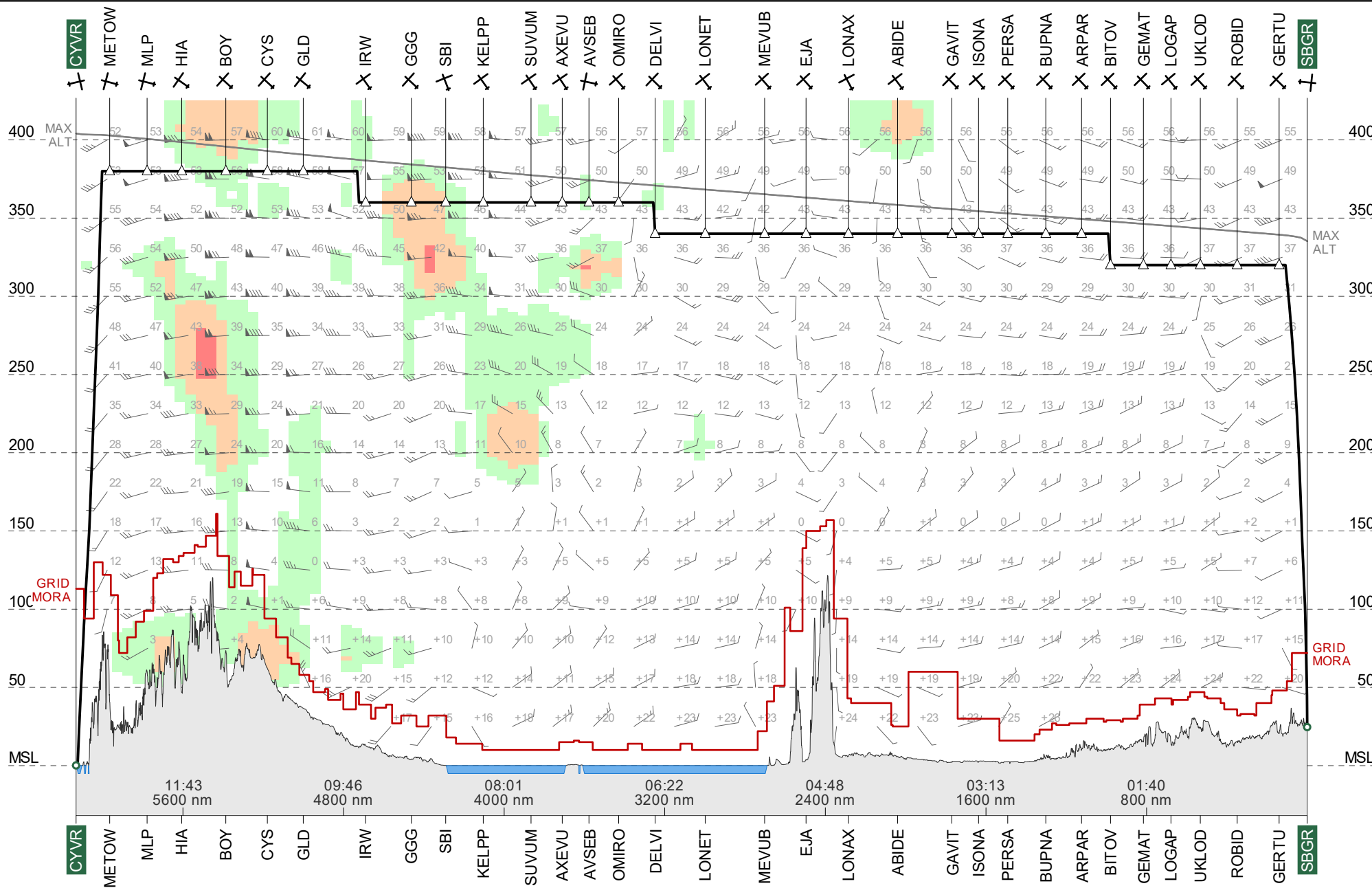
**UTC -07:00**

KMSO 051553Z 11003KT 10SM BKN065 07/04 A2990 RMK A02 SLP137 T00720044  
NO TAF AVAILABLE

# TR321B #1

## CYVR ← SBGR

ETD 05 Nov 21:35z  
PJTGD B77L



Route Chart

**ETOPS 120**

**TR321B #1**  
**SBGR-CYVR**

05 Nov 2023  
PJTGD B77L

Lambert Conical Projection  
Standard Parallels: 01N and 25N





Wind Chart

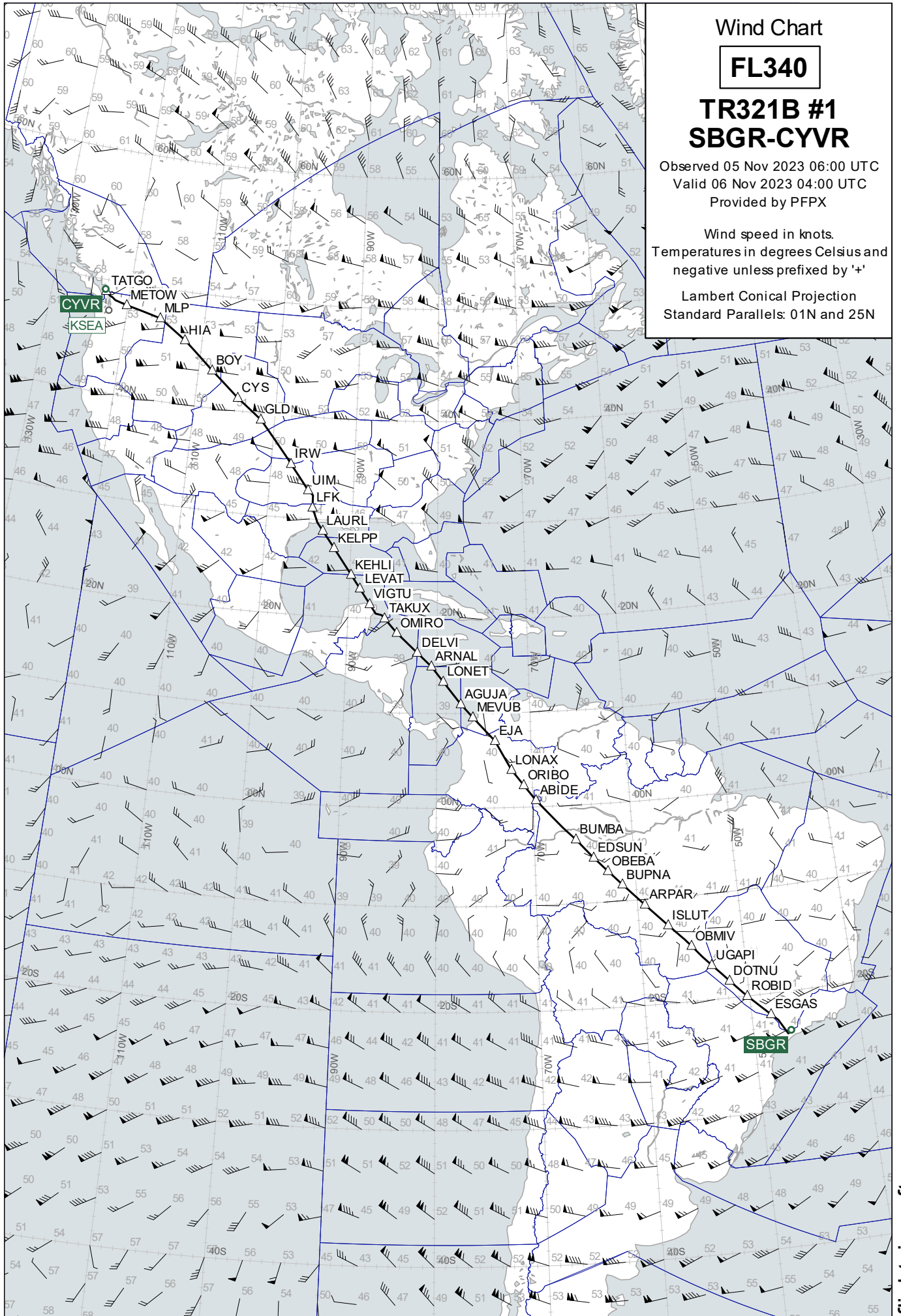
**FL340**

**TR321B #1  
SBGR-CYVR**

Observed 05 Nov 2023 06:00 UTC  
Valid 06 Nov 2023 04:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 01N and 25N



Wind Chart

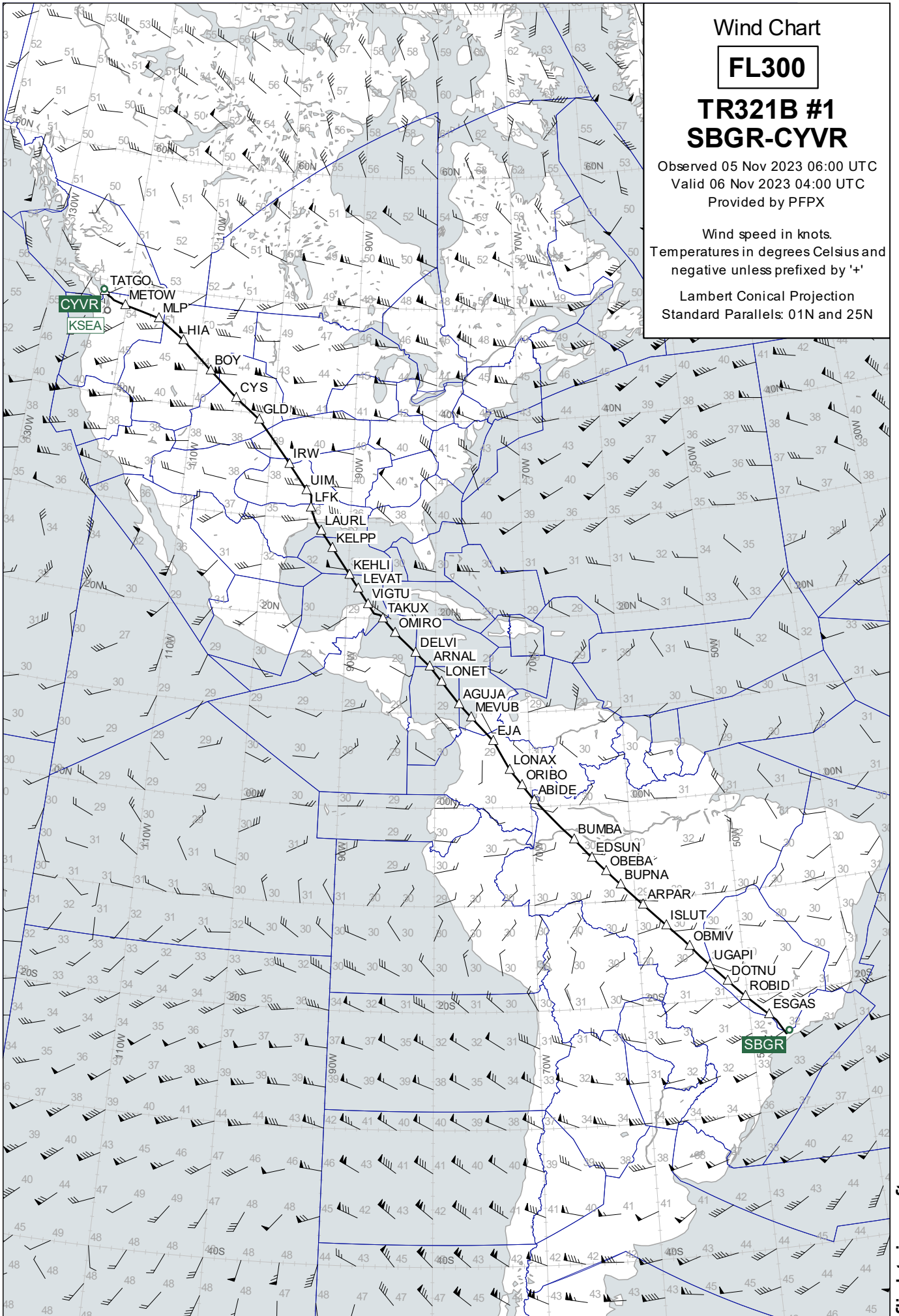
**FL300**

**TR321B #1  
SBGR-CYVR**

Observed 05 Nov 2023 06:00 UTC  
Valid 06 Nov 2023 04:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 01N and 25N





Wind Chart

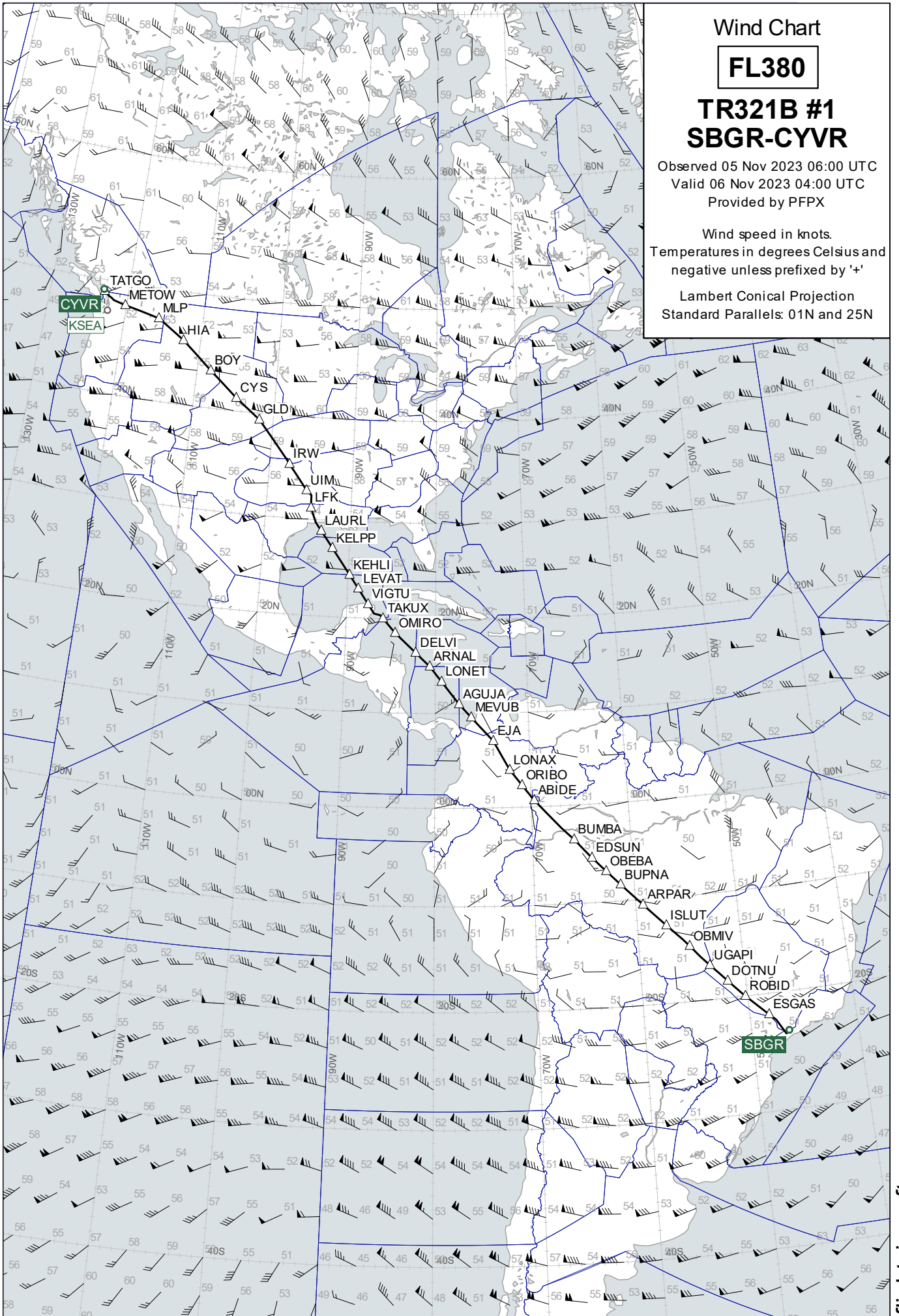
**FL380**

**TR321B #1  
SBGR-CYVR**

Observed 05 Nov 2023 06:00 UTC  
Valid 06 Nov 2023 04:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 01N and 25N



Destination Area

**FL150**

**TR321B #1**  
**SBGR-CYVR**

Observed 05 Nov 2023 06:00 UTC  
Valid 06 Nov 2023 11:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 48N and 49N

