



Tradewind VA



Flight Briefing Package

TCC320A SBGR-KIAH

17-Nov-2019 #1

RELEASE #1

GUARULHOS-GOV ANDRE FRANCO MON
(BRAZIL)

-

GEORGE BUSH INTERCONTINENTAL/H
(UNITED STATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

17 NOV 1612 UTC

Fuel Planning (kg)	EU-OPS	Fuel	Time
TRIP		62.151	09:15
CONT 5%		3.108	00:31
HOLD	KIAH	1.997	00:20
ALTN	KAUS	3.470	00:34
FINAL RESV		2.989	00:30
ADD FUEL		1.190	00:12
MIN T/O		74.905	11:22
EXTRA		1.498	00:15
TAXI		780	00:15
RELEASE	SBGR	77.183	11:52
ARR FUEL	KIAH	13.628	02:10

Load Planning (kg)	PJTGC	Plan	Limit
Empty Weight		156.146	
Payload	265+0 Pax	24.910	
Zero Fuel Weight		181.056	209.106
Fuel		77.183	162.613
Ramp Weight		258.239	348.359
Take-Off Weight SBGR		257.459	285.423
Landing Weight KIAH	Limit	195.308	223.167
Underload		27.859	Lim LDW

Cost Planning		
Flight Time	09:15\$	51.781
Fuel	63.555\$	55.547
Total	\$	107.328
Per Pax	\$	405
Per 5.000 kg Payload	\$	21.543

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC320A PJTGC SBGR-KIAH

ALL WEIGHTS IN KILOGRAMS (KG) STD 17NOV/2240Z

OPF 1 - PREPARED 17NOV/1612Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR320A/TCC320A PJTGC/B777-2LR GE SEL/SALH ROUTE: SBGRKIAH01

DEP: SBGR/GRU 09L ELEV 2461 FT COST INDEX: 250 TTL G/C DIST: 4271 NM
ARR: KIAH/IAH 27 ELEV 96 FT INIT ALT: FL360 TTL F/P DIST: 4315 NM
FUEL BIAS: 100.5% TTL AIR DIST: 4464 NM
AVG WIND CMP: HD016 KT

ALT: KAUS/AUS 17R ELEV 542 FT 135 NM

CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM		ZFW	TOW	LDW
STANDARD	156146	265	0	24910	27859 LDW	MAX	209106	285423	223167
						PLN	181056	257459	195308
						ACT	.....	.....	.....

** TAKE-OFF DATA SBGR 09L **

COND: 257459 KG // RWY DRY // +22°C Q1015 160/12 // LMT: STRUCT
CONFIG: FLAPS 5 // D-T01 +43C // A/I OFF/AUTO // A/C ON
SPEEDS: V1=155 VR=157 V2=160
ENG OUT: AT 'BCO' 116.0 RT TO ITCPT AND PRCD ON R 160 'BCO' 116.0 . AT 32 DME
'BCO' 116.0 [R 111 'RDE' 116.7] RT TO 'SAT' 375 (048 INBD,RT)

	FUEL	CORR	ENDUR	
TRIP	62151	.....	09:15	
CONT 5%	3108	.....	00:31	
ALTN KAUS	3470	.....	00:34	
FINAL RESV	2989	.....	00:30	
HOLD	1997	.....	00:20	
ADD FUEL	1190	.....	00:12	
MIN T/O	74905	.....	11:22	.....
EXTRA	1498	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	780	.....	00:15	
RELEASE	77183	.....	11:52	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	13628	.....	02:10	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 29357 KG LIM BY LDW
TRIP CORR FOR 5000 KG TOW INCR: +961 KG / 5000 KG TOW DECR: -902 KG
2000 FT LOWER: +496 KG / EET 09:08 CLB: 250/310/84 DES: 84/320/250

SBGR	STD 22:40Z/19:40L	ETD 22:40Z	ACT OFBL	EST T/O 22:55Z	ACT T/O
KIAH	STA 08:55Z/02:55L	ETA 08:22Z	ACT ONBL	EST LDG 08:10Z	ACT LDG
	SKD 10:15	PLN 09:42	TTL BLCK	EST FLT 09:15	TTL FLT

ATC ROUTE: N0491F360 UKBE1C UKBEV UL201 MINIB/N0488F380 UL201 MTU UM782 KEHLI
A766 KELPP LINKK1

ALTERNATE PLANNING

ALTN/RWY	DIST	ALT/FL	MSA	COMP	TIME	FUEL	DIFF	ROUTE
KAUS/17R	135	8000	042	HD014	00:34	3470	-	BNDT05 MNURE WLEEE5

MOST CRITICAL MORA 15700 FT AT EJA

AWY -FIR	WAYPOINT NAME	MT	ALT ISA	MSA	FREQ WND/SPD	TAS GS	LEG REM	FUEL REM / USED POSITION	LEG ETO /	ACC ATO
	SBGR/09L		2461	072				76.4 / 0.8		
	GUARULHOS-GOV	ANDRE				4315	S2326.1 W04629.0	/.....		
UKBE1C	BCO	094	*CLB	072	116.00		6	75.2 / 1.9	03	00.03
	BONSUCESSO	SAO PAULO	P12	347/005		4310	S2324.4 W04623.1	/.....		
UKBE1C	GR082	057	*CLB	072			7	74.8 / 2.4	01	00.04
			P13	315/008		4303	S2318.9 W04618.9	/.....		
UKBE1C	GR083	349	*CLB	072			7	74.4 / 2.8	01	00.05
			P14	299/009		4296	S2313.2 W04622.8	/.....		
UKBE1C	BGC	349	*CLB	092	116.20		19	73.6 / 3.6	03	00.08
-SBBS	BRAGANCA	BRAGANCA	PA	P15	247/013	4277	S2257.1 W04634.2	/.....		
UKBE1C	GR719	001	*CLB	092			9	73.2 / 3.9	01	00.09
-SBCW			P15	229/017		4268	S2248.5 W04637.7	/.....		
UKBE1C	*BDRY	323	*CLB	092			4	73.1 / 4.1	01	00.10
-SBBS			P14	233/017		4264	S2246.6 W04641.1	/.....		
UKBE1C	GR022	323	*CLB	092			6	72.9 / 4.3	01	00.11
			P13	241/017		4258	S2243.2 W04647.0	/.....		
UKBE1C	GR023	323	*CLB	092			13	72.5 / 4.7	01	00.12
			P11	253/017		4245	S2236.5 W04658.7	/.....		
UKBE1C	UKBEV	323	*CLB	092			6	72.3 / 4.9	01	00.13
			P10	257/018		4238	S2233.1 W04704.6	/.....		
UL201	*TOC	358	FL360	048		491	34	71.4 / 5.7	04	00.17
			P07	269/021		482	4204	S2201.8 W04719.4	/.....	
UL201	PIR	358	FL360	052	115.80	491	3	71.4 / 5.8	00	00.17
	PIRASSUNUNGA		P07	270/021		482	4201	S2159.1 W04720.7	/.....	
UL201	RPR	356	FL360	052	330.0	491	56	70.6 / 6.6	07	00.24
	RIBEIRAO	RIBEIRAO	PR	P07	272/021	481	4145	S2108.6 W04746.6	/.....	
UL201	DAPVU	317	FL360	052		492	29	70.1 / 7.1	04	00.28
			P08	268/022		472	4116	S2056.4 W04814.3	/.....	
UL201	ASTOB	317	FL360	038		492	36	69.6 / 7.6	05	00.33
			P08	262/022		472	4080	S2040.8 W04849.4	/.....	
UL201	ISLAL	335	FL360	039		493	93	68.2 / 9.0	11	00.44
			P08	256/025		478	3987	S1936.5 W05000.6	/.....	
UL201	TESEK	335	FL360	044		493	66	67.2 / 10.0	09	00.53
			P09	251/027		479	3921	S1850.7 W05050.4	/.....	
	SBCY	335	FL360	044			4	67.1 / 10.1	00	00.53
			P09	241/032		3917	S1847.6 W05053.8	/.....		
UL201	ABUSE	335	FL360	044		493	46	66.4 / 10.7	06	00.59
			P09	248/028		481	3871	S1815.5 W05128.2	/.....	
UL201	MABMA	335	FL360	048		494	132	64.5 / 12.7	16	01.15
-SBAZ			P10	246/023		485	3739	S1642.6 W05306.1	/.....	
UL201	GRACE	334	FL360	042		494	60	63.6 / 13.5	08	01.23

				P10 242/019 487 3679	S1600.3 W05349.8	/.....
UL201	ISVOM	334	FL360 043	494 15	63.4 / 13.8	02 01.25
			P10 242/017 488 3664	S1549.4 W05401.1	/.....	
UL201	ATAVI	335	FL360 043	494 34	62.9 / 14.2	04 01.29
			P10 245/015 488 3630	S1525.1 W05425.6	/.....	
UL201	GEMAT	334	FL360 043	494 102	61.5 / 15.7	12 01.41
			P10 264/009 488 3529	S1412.8 W05539.2	/.....	
UL201	EQUAL	334	FL360 039	494 38	60.9 / 16.2	05 01.46
			P10 276/006 489 3490	S1345.4 W05606.6	/.....	
UL201	ILMOK	334	FL360 030	494 62	60.1 / 17.1	08 01.54
			P10 303/005 489 3428	S1300.6 W05651.1	/.....	
UL201	ISLUT	334	FL360 030	494 25	59.7 / 17.5	03 01.57
			P10 290/004 490 3403	S1242.4 W05709.0	/.....	
	SBPV	333	FL360 030	145	57.7 / 19.5	17 02.14
			P09 159/003 3258	S1057.9 W05851.1	/.....	
UL201	ARPAR	333	FL360 030	494 38	57.2 / 20.0	05 02.19
			P10 092/004 497 3220	S1030.9 W05917.2	/.....	
UL201	RONEN	332	FL360 027	494 132	55.3 / 21.8	16 02.35
			P10 097/009 501 3088	S0855.4 W06049.5	/.....	
UL201	BARGE	332	FL360 027	494 46	54.7 / 22.5	05 02.40
			P10 101/010 502 3043	S0822.2 W06121.3	/.....	
UL201	OBEBA	332	FL360 023	494 118	53.1 / 24.0	14 02.54
			P09 104/010 504 2924	S0656.5 W06242.8	/.....	
UL201	PERSA	331	FL360 016	494 72	52.2 / 25.0	09 03.03
			P09 097/011 504 2853	S0604.3 W06332.1	/.....	
UL201	EDSUN	331	FL360 030	495 47	51.5 / 25.6	05 03.08
			P09 087/013 503 2806	S0530.3 W06404.1	/.....	
UL201	EGLER	330	FL360 030	495 16	51.3 / 25.9	02 03.10
			P10 086/014 503 2790	S0518.3 W06415.3	/.....	
	SBUA	332	FL360 030	77	50.3 / 26.9	09 03.19
			P09 084/011 2713	S0420.2 W06505.6	/.....	
UL201	BUMBA	332	FL360 030	495 62	49.5 / 27.7	08 03.27
			P10 081/015 503 2651	S0333.1 W06546.2	/.....	
UL201	GAVIT	327	FL360 060	495 76	48.5 / 28.7	09 03.36
			P10 077/016 504 2574	S0239.2 W06640.0	/.....	
UL201	MINIB	327	FL360 060	495 29	48.1 / 29.1	03 03.39
			P10 079/016 504 2546	S0219.0 W06700.3	/.....	
UL201 -SKED	ABIDE	330	FL380 060	488 242	44.8 / 32.4	30 04.09
			P05 083/012 495 2304	N0040.7 W06941.3	/.....	
UL201	MTU MITU	326	FL380 040	112.20 488 47	44.2 / 33.0	05 04.14
			P05 085/010 496 2257	N0114.5 W07014.2	/.....	
	SKBO	335	FL380 040	50	43.5 / 33.7	06 04.20
			P05 102/007 2206	N0155.6 W07043.2	/.....	

UM782	LONAX	334	FL380	043		489	148	41.6 / 35.6	18	04.38
				P05	092/002	491	2059	N0356.0 W07208.4	/.....	
UM782	EJA	341	FL380	157	115.90	489	211	38.8 / 38.4	26	05.04
	BARRANCABERMEJA			P04	314/002	487	1848	N0701.7 W07348.3	/.....	
	SKCG	326	FL380	139			52	38.1 / 39.1	07	05.11
				P04	230/004		1796	N0740.1 W07423.2	/.....	
UM782	XOGEN	326	FL380	086		489	10	38.0 / 39.2	01	05.12
-SKEC				P04	267/001	487	1786	N0747.6 W07430.0	/.....	
UM782	AGUJA	326	FL380	101		490	257	34.6 / 42.6	32	05.44
-MPZL				P05	318/009	481	1529	N1057.5 W07725.0	/.....	
UM782	LONET	329	FL380	010		490	184	32.2 / 45.0	23	06.07
				P04	320/012	478	1345	N1323.1 W07918.8	/.....	
	MKJS	328	FL380	010			24	31.8 / 45.3	03	06.10
				P04	312/011		1321	N1342.2 W07934.0	/.....	
UM782	ARNAL	328	FL380	014		490	99	30.5 / 46.6	12	06.22
-MKJK				P04	309/016	477	1222	N1500.0 W08036.9	/.....	
UM782	DELVI	319	FL380	010		492	126	28.9 / 48.3	16	06.38
-MHTG				P04	304/027	464	1096	N1627.1 W08211.4	/.....	
	MMUN	318	FL380	014			102	27.5 / 49.7	14	06.52
				P04	289/033		994	N1737.1 W08328.6	/.....	
UM782	OMIRO	317	FL380	014		492	80	26.4 / 50.8	10	07.02
				P04	288/034	461	914	N1831.5 W08429.7	/.....	
UM782	TAKUX	322	FL380	010		493	120	24.8 / 52.4	16	07.18
-MMID				P04	282/041	459	794	N2001.6 W08553.8	/.....	
UM782	AVSEB	321	FL380	015		493	28	24.4 / 52.8	03	07.21
				P04	283/041	458	766	N2022.2 W08613.5	/.....	
UM782	BOTOP	320	FL380	015		493	32	23.9 / 53.2	04	07.25
				P04	283/043	457	734	N2045.9 W08636.4	/.....	
UM782	CUN	320	FL380	015	113.60	493	21	23.7 / 53.5	03	07.28
CANCUN				P04	283/045	457	713	N2101.5 W08651.5	/.....	
UM782	ADSUN	320	FL380	015		493	40	23.1 / 54.1	05	07.33
				P04	282/049	453	673	N2130.9 W08720.2	/.....	
UM782	EPNEL	320	FL380	015		493	10	23.0 / 54.2	02	07.35
				P04	282/050	452	663	N2138.6 W08727.7	/.....	
UM782	ALSEG	320	FL380	015		493	19	22.7 / 54.5	02	07.37
				P04	283/052	451	644	N2152.2 W08741.1	/.....	
UM782	AGNIX	319	FL380	015		493	2	22.7 / 54.5	00	07.37
				P04	283/052	449	643	N2153.4 W08742.2	/.....	
UM782	VOMAR	319	FL380	015		493	20	22.4 / 54.8	03	07.40
				P04	282/054	449	623	N2208.1 W08756.8	/.....	
UM782	ITLOM	319	FL380	010		493	43	21.8 / 55.4	06	07.46
				P04	279/059	447	579	N2240.0 W08828.5	/.....	

UM782	RORLA	327	FL380	010	493	8	21.7 / 55.5	01	07.47
			P04	279/060	450	571	N2246.6 W08833.4	/.....	
UM782	LEVAT	327	FL380	010	493	22	21.4 / 55.8	03	07.50
			P04	278/064	450	549	N2305.0 W08847.0	/.....	
UM782	SUVUM	327	FL380	010	493	62	20.5 / 56.7	08	07.58
			P03	277/071	444	487	N2356.2 W08925.4	/.....	
UM782 -KZHU	KEHLI	326	FL380	010	493	40	20.0 / 57.2	06	08.04
			P03	276/076	441	447	N2429.2 W08950.4	/.....	
	KIAH	326	FL380	010		142	17.9 / 59.2	19	08.23
			P02	281/084		304	N2625.4 W09120.9	/.....	
A766	KELPP	325	FL380	010	493	56	17.1 / 60.0	08	08.31
			P02	272/103	428	249	N2710.5 W09157.0	/.....	
LINKK1	*TOD	319	FL380	014	495	139	15.0 / 62.2	21	08.52
			P02	284/121	393	110	N2855.6 W09340.2	/.....	
LINKK1	MULLT	317	*DES	018		9	15.0 / 62.2	01	08.53
			P07	284/111		101	N2902.2 W09346.8	/.....	
LINKK1	SKALE	316	*DES	032		22	14.9 / 62.2	03	08.56
			P06	311/049		79	N2918.5 W09403.8	/.....	
LINKK1	LINKK	316	*DES	032		18	14.9 / 62.3	03	08.59
			P10	315/044		61	N2931.8 W09417.8	/.....	
LINKK1	GILLL	302	*DES	032		16	14.8 / 62.4	03	09.02
			P08	305/033		45	N2940.5 W09432.8	/.....	
LINKK1	RDFSH	315	*DES	032		13	14.7 / 62.4	02	09.04
			P07	297/026		32	N2949.7 W09442.9	/.....	
LINKK1	KIAH/27	285	96	032		32	14.3 / 62.9	11	09.15
	GEORGE BUSH INTERCON						N2958.7 W09518.2	/.....	

WIND INFORMATION - OBS 17/NOV 06:00

(CLIMB)				RPR				ISLAL				ABUSE			
FL330	260/021	-42		FL400	269/026	-57		FL400	257/031	-57		FL400	250/032	-57	
FL260	240/017	-24		FL380	271/023	-53		FL380	257/029	-52		FL380	249/031	-52	
FL200	255/010	-9		FL360	272/022	-49		FL360	257/026	-48		FL360	249/028	-47	
FL130	320/007	+3		FL340	273/021	-44		FL340	256/023	-43		FL340	247/025	-42	
6000	042/005	+15		FL320	269/018	-39		FL320	255/018	-38		FL320	249/020	-37	
MABMA				ATAVI				GEMAT				ILMOK			
FL400	251/025	-57		FL400	249/017	-57		FL400	263/011	-57		FL400	274/006	-57	
FL380	250/024	-52		FL380	248/016	-52		FL380	272/010	-52		FL380	305/007	-52	
FL360	246/024	-47		FL360	246/016	-47		FL360	265/010	-47		FL360	303/005	-47	
FL340	242/023	-41		FL340	244/016	-41		FL340	256/009	-41		FL340	298/003	-41	
FL320	241/019	-36		FL320	240/015	-36		FL320	238/008	-36		FL320	225/003	-36	
ARPAR				RONEN				OBEBAX				EDSUN			
FL400	088/005	-57		FL400	092/013	-57		FL400	106/016	-57		FL400	091/017	-57	
FL380	072/006	-52		FL380	087/012	-52		FL380	106/014	-52		FL380	092/018	-52	
FL360	092/004	-47		FL360	098/010	-47		FL360	105/011	-47		FL360	087/014	-47	
FL340	123/004	-41		FL340	118/007	-41		FL340	101/007	-41		FL340	078/009	-41	
FL320	152/005	-36		FL320	136/007	-36		FL320	114/006	-36		FL320	062/005	-36	
BUMBA				MINIB				ABIDE				LONAX			
FL400	079/019	-57		FL400	070/019	-57		FL420	081/014	-62		FL420	102/004	-62	
FL380	083/019	-52		FL380	073/019	-52		FL400	083/013	-57		FL400	106/004	-57	
FL360	082/016	-47		FL360	079/016	-47		FL380	084/012	-52		FL380	093/003	-52	
FL340	079/013	-41		FL340	089/014	-41		FL360	077/009	-47		FL360	016/004	-47	
FL320	081/010	-36		FL320	076/008	-36		FL340	061/006	-41		FL340	353/007	-41	
EJA				AGUJA				LONET				ARNAL			
FL420	210/003	-62		FL420	283/010	-62		FL420	309/015	-62		FL420	307/021	-63	
FL400	240/002	-57		FL400	296/010	-57		FL400	313/013	-57		FL400	308/019	-58	
FL380	314/002	-52		FL380	319/009	-52		FL380	320/013	-52		FL380	310/016	-53	
FL360	006/006	-47		FL360	356/011	-47		FL360	330/014	-47		FL360	311/015	-48	
FL340	016/010	-41		FL340	018/016	-42		FL340	339/015	-42		FL340	312/013	-42	
DELVI				OMIRO				TAKUX				ADSUN			
FL420	309/029	-62		FL420	286/038	-62		FL420	278/042	-62		FL420	283/051	-63	
FL400	307/029	-58		FL400	287/036	-58		FL400	281/042	-58		FL400	283/051	-58	
FL380	305/028	-53		FL380	289/034	-52		FL380	282/042	-53		FL380	283/050	-53	
FL360	301/024	-48		FL360	290/032	-48		FL360	281/039	-48		FL360	282/047	-48	
FL340	294/019	-42		FL340	291/029	-42		FL340	280/036	-43		FL340	281/044	-42	
RORLA				KEHLI				KELPP				(DESCENT)			
FL420	282/060	-63		FL420	280/076	-63		FL420	278/105	-63		FL350	275/103	-49	
FL400	281/060	-58		FL400	278/077	-58		FL400	274/104	-59		FL280	274/060	-35	
FL380	279/061	-53		FL380	277/077	-53		FL380	272/103	-54		FL210	285/041	-18	
FL360	279/059	-48		FL360	277/073	-49		FL360	277/102	-50		14000	286/032	-4	
FL340	278/057	-43		FL340	277/069	-44		FL340	282/101	-44		7000	284/019	+6	

END FLIGHTPLAN 03552 TCC320A PJTGC SBGR-KIAH 17NOV2019

[ATC FLIGHTPLAN]

(FPL-TCC320A-IS
-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2
-SBGR2240
-N0491F360 UKBE1C UKBEV UL201 MINIB/N0488F380 UL201 MTU UM782
KEHLI A766 KELPP LINKK1
-KIAH0915 KAUS
-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/191117 REG/PJTGC
EET/SBBS0010 SBAZ0115 SKED0408 SKEC0512 MPZL0544 MKJK0622
MHTG0638 MMID0718 KZHU0804
SEL/SALH CODE/484DC5 RVR/75 OPR/TRADEWIND CARIBBEAN
ORGN/TNCCTCAP PER/C
RMK/TCAS
-E/1137)

[PLANNING WEATHER]

ORIGIN: SBGR/GRU (GUARULHOS-GOV ANDRE FRANCO MON, BRAZIL)

UTC -03:00

SBGR 171600Z 13010KT 9999 BKN030 22/16 Q1015
SBGR 171000Z 1712/1818 10005KT CAVOK TX24/1717Z TN15/1809Z
BECMG 1713/1715 SCT035
BECMG 1716/1718 16012KT
BECMG 1720/1722 CAVOK
BECMG 1800/1802 10005KT BKN015
BECMG 1804/1806 BKN008
BECMG 1810/1812 12005KT SCT013
BECMG 1813/1815 15008KT SCT035
RMK PGN

DESTINATION: KIAH/IAH (GEORGE BUSH INTERCONTINENTAL/H, UNITED STATE UTC -06:00)

KIAH 171553Z 00000KT 10SM BKN250 13/05 A3011 RMK A02 SLP198 T01330050
KIAH 171500Z 1715/1818 VRB04KT P6SM BKN250
FM172100 27003KT P6SM SCT045 BKN250
FM180300 VRB03KT P6SM BKN040 BKN250
FM181200 34004KT 6SM BR FEW030 SCT250
FM181500 35005KT P6SM SKC

ALTERNATE: KAUS/AUS (AUSTIN-BERGSTROM INTL, UNITED STATES)

UTC -06:00

KAUS 171553Z 18004KT 10SM BKN032 OVC250 13/07 A3008 RMK A02 SLP189
T01280067
KAUS 171517Z 1715/1818 20005KT P6SM BKN030
FM171600 19005KT P6SM BKN040
FM180200 29005KT P6SM SCT250

MHTG/TGU (TONCONTIN INTL, HONDURAS)

UTC -06:00

MHTG 171600Z 03012KT 9999 FEW028 22/14 Q1021 A3015 NOSIG
MHTG 171045Z 1712/1812 36010KT 9999 FEW012 SCT025 TX23/1721Z TN15/1712Z
BECMG 1718/1720 SCT028 SCT090
BECMG 1800/1802 SCT026
BECMG 1806/1807 06006KT FEW010 SCT024

ADEQUATE: SBCY/CGB (MARECHAL RONDON INTL, BRAZIL)

UTC -04:00

SBCY 171600Z 09004KT 9999 FEW020 36/17 Q1007
SBCY 170930Z 1712/1812 31005KT 9999 FEW020 TX33/1718Z TN25/1809Z
BECMG 1716/1718 14005KT
PROB30 1718/1722 SCT030 FEW035TCU
BECMG 1722/1724 05005KT
BECMG 1802/1804 31005KT
RMK PHI

ADEQUATE: SBPV/PVH (GOVERNADOR JORGE TEIXEIRA DE O, BRAZIL)

UTC -04:00

SBPV 171600Z 27002KT 9999 BKN020 30/26 Q1008
SBPV 170930Z 1712/1812 36005KT 9999 FEW015 TX30/1719Z TN24/1810Z
BECMG 1715/1717 BKN020 FEW025TCU
PROB30 1718/1722 TS SCT020 FEW025CB
BECMG 1722/1724 FEW010
PROB30 1806/1812 3000 BR BKN003
RMK PHI

ADEQUATE: SBUA/SJL (SAO GABRIEL DA CACHOEIRA, BRAZIL)

UTC -04:00

SBUA 171300Z 15001KT 9999 BKN007 BKN015 BKN070 26/24 Q1010
SBUA 161000Z 1612/1624 00000KT 8000 BKN008 FEW025TCU TN25/1612Z TX34/
1618Z
BECMG 1613/1615 32005KT 9999 BKN015
BECMG 1617/1619 06005KT SCT017 FEW025TCU
PROB40 1619/1622 4000 TSRA BKN015 FEW025CB
RMK PDZ

ADEQUATE: SKBO/BOG (EL DORADO INTL, COLOMBIA)

UTC -05:00

SKBO 171600Z 28004KT 9999 BKN020 SCT070 18/09 A3028 NOSIG
SKBO 171030Z 1712/1812 VRB02KT 9999 FEW017 SCT090
BECMG 1715/1717 34011KT
PROB40 TEMPO 1720/1723 DZ SCT015TCU BKN080
BECMG 1802/1804 VRB02KT TX20/1718Z TN09/1811Z

ADEQUATE: SKCG/CTG (RAFAEL NUNEZ, COLOMBIA)

UTC -05:00

SKCG 171600Z 01010KT 9999 FE017 SCT200 30/25 A2979
SKCG 171030Z 1712/1812 03004KT 9999 FEW017 SCT090
BECMG 1715/1717 32011KT
PROB40 TEMPO 1721/1723 TS SCT015CB
BECMG 1802/1804 VRB02KT TX32/1719Z TN25/1811Z

ADEQUATE: MKJS/MBJ (SANGSTER INTL, JAMAICA)

UTC -05:00

MKJS 171600Z 26004KT 9999 FEW018 SCT020CB 29/21 Q1010
MKJS 171115Z 1712/1812 VRB02KT 9999 FEW022
TEMPO 1715/1720 5000 TSRA SCT018 BKN020CB
BECMG 1718/1720 05005KT
BECMG 1802/1804 VRB02KT

ADEQUATE: MMUN/CUN (CANCUN INTL, MEXICO)

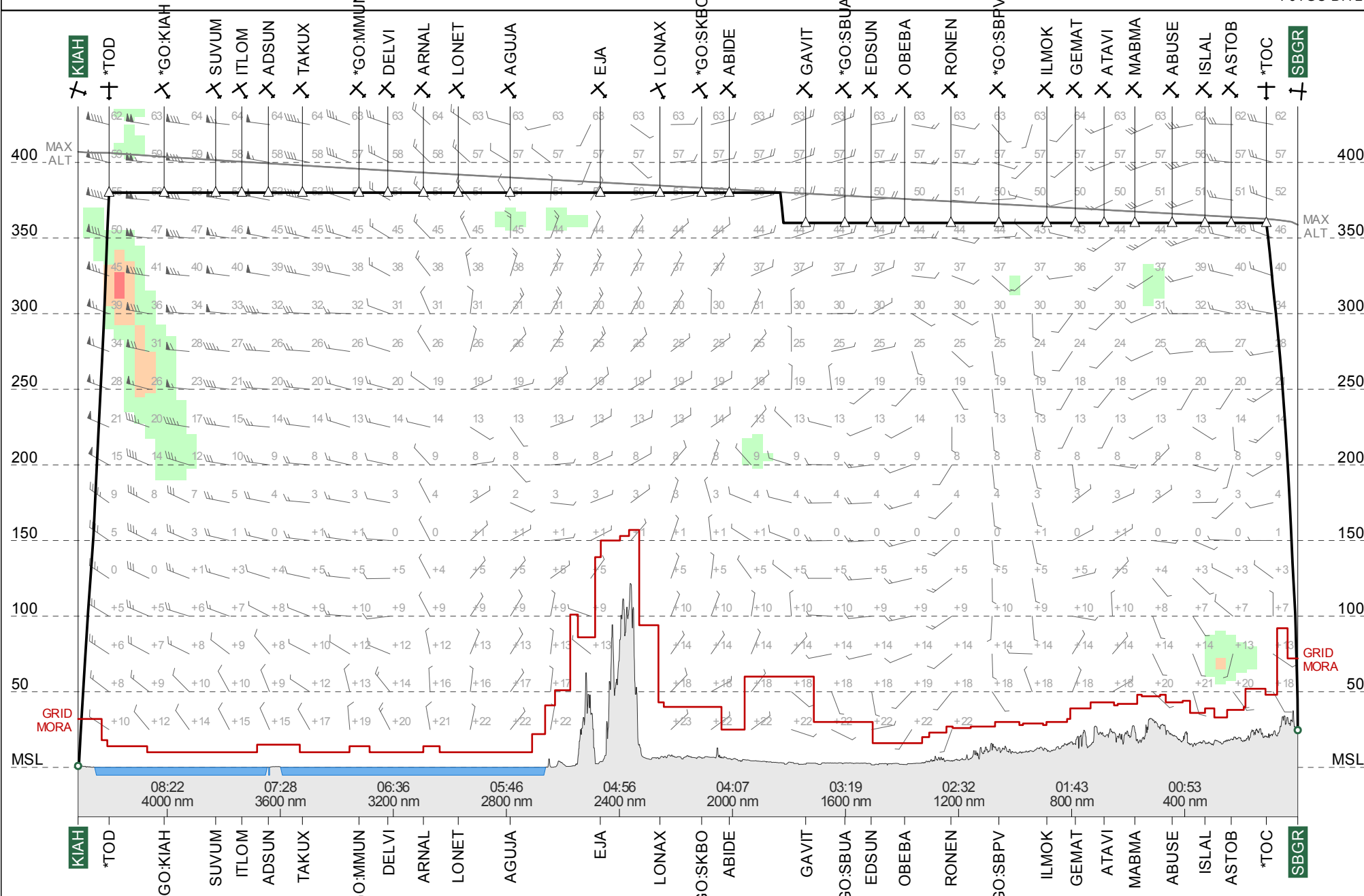
UTC -06:00

MMUN 171543Z 35006KT 7SM FEW015 FEW065 25/19 A2998 RMK 8/130 SC N CI
MMUN 171113Z 1712/1818 30005KT P6SM SCT020 TX28/1721Z TN15/1712Z
TEMPO 1712/1716 BKN015
FM171600 33012KT P6SM SCT015
FM180300 03005KT P6SM SCT015
FM181500 03010KT P6SM SCT015

TR320A #1

KIAH ← SBGR

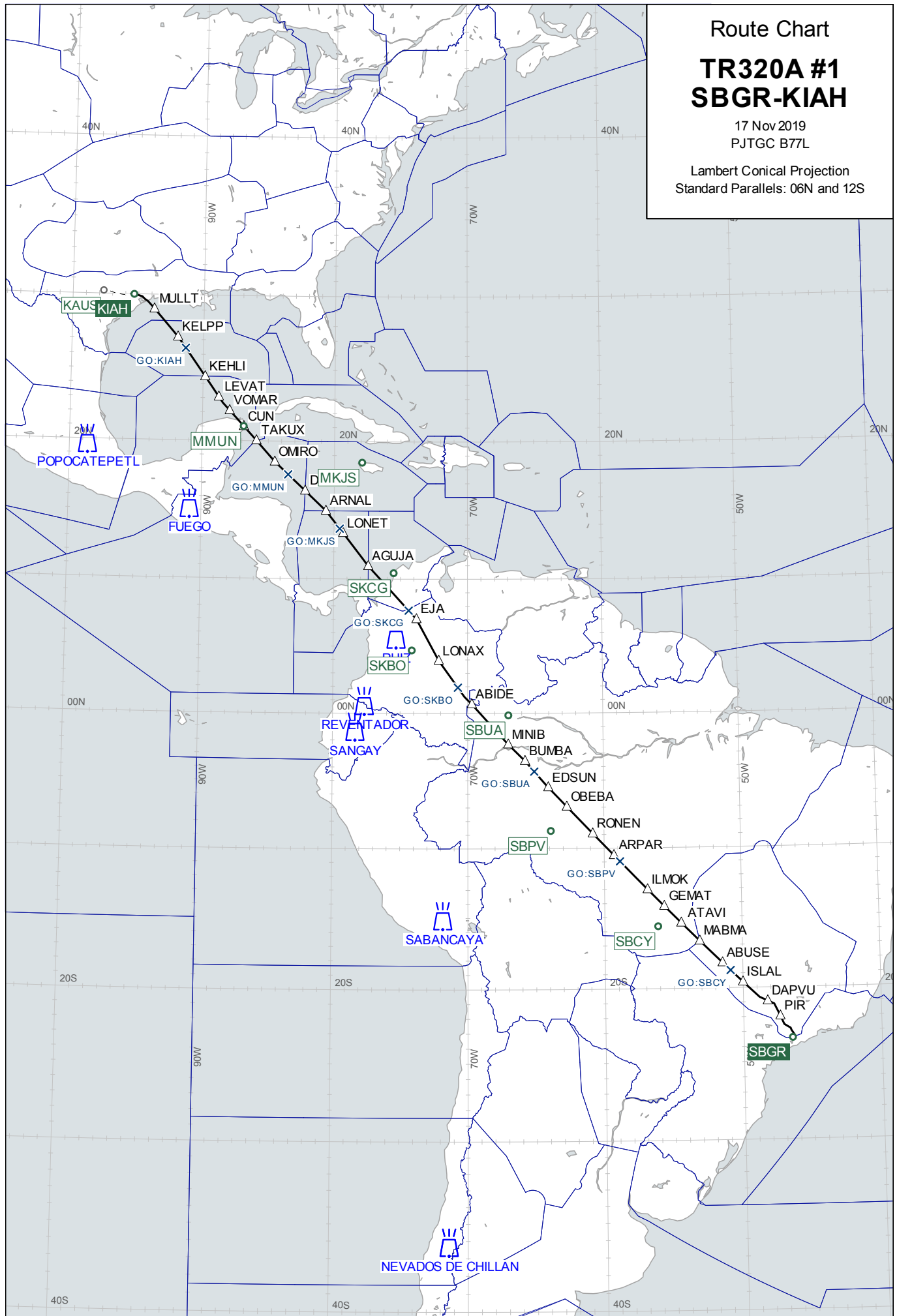
ETD 17 Nov 22:40z
PJTGC B77L



Route Chart
TR320A #1
SBGR-KIAH

17 Nov 2019
PJTGC B77L

Lambert Conical Projection
Standard Parallels: 06N and 12S



Wind Chart

FL380

TR320A #1 SBGR-KIAH

Observed 17 Nov 2019 12:00 UTC

Valid 18 Nov 2019 04:00 UTC

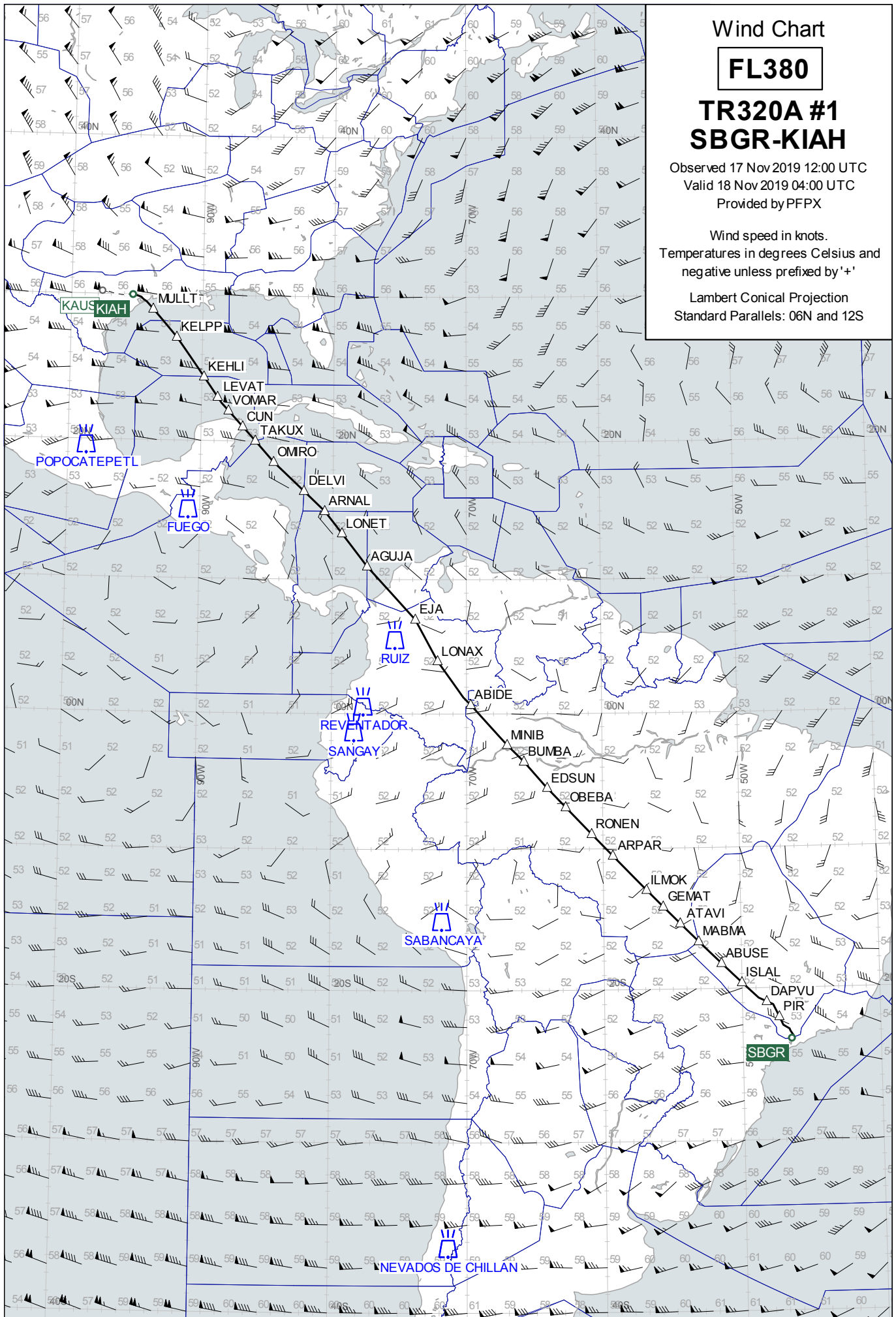
Provided by PFPX

Wind speed in knots.

Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection

Standard Parallels: 06N and 12S



Wind Chart

FL340

TR320A #1 SBGR-KIAH

Observed 17 Nov 2019 12:00 UTC

Valid 18 Nov 2019 04:00 UTC

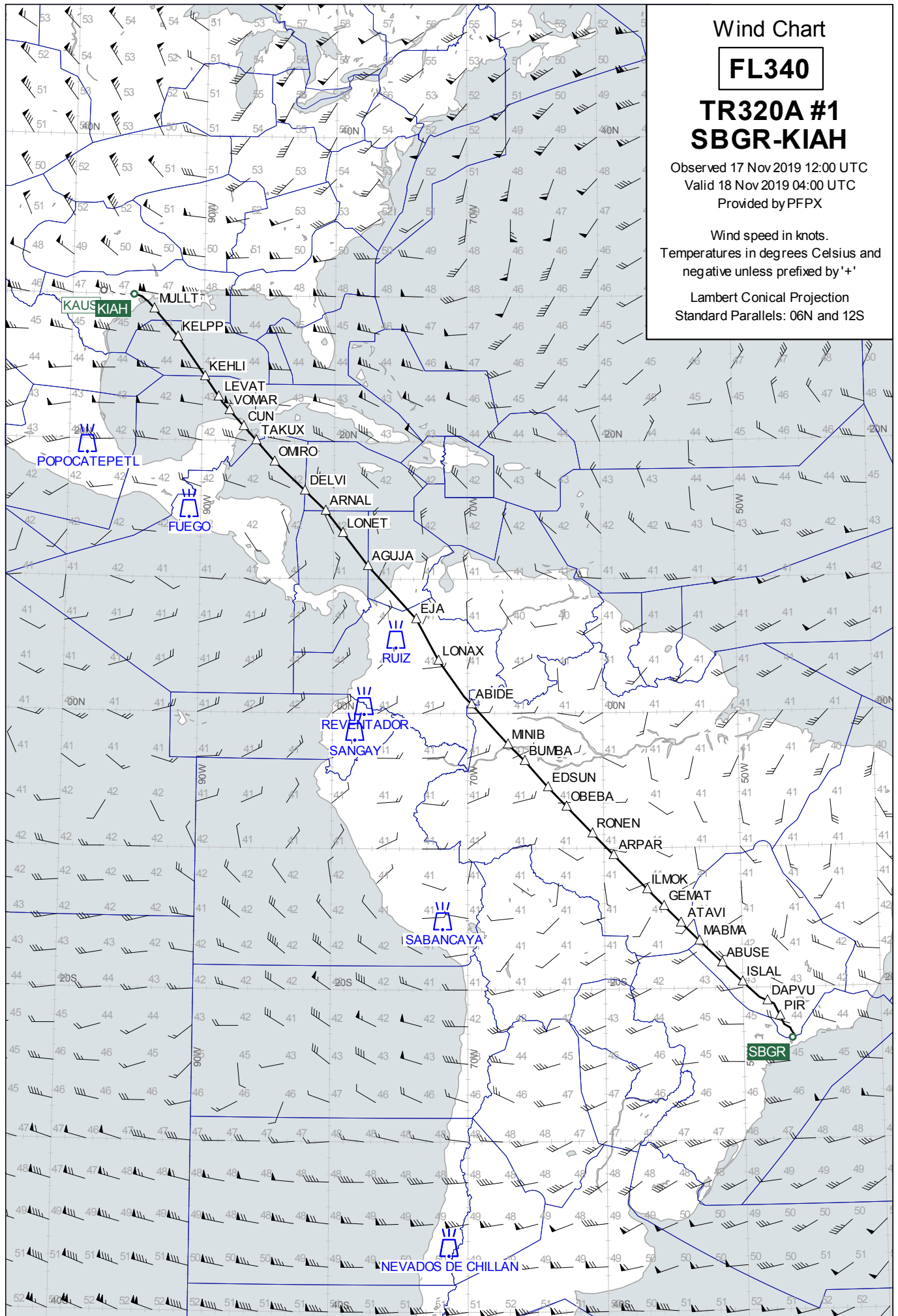
Provided by PFPX

Wind speed in knots.

Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection

Standard Parallels: 06N and 12S



Wind Chart

FL420

TR320A #1 SBGR-KIAH

Observed 17 Nov 2019 12:00 UTC

Valid 18 Nov 2019 04:00 UTC

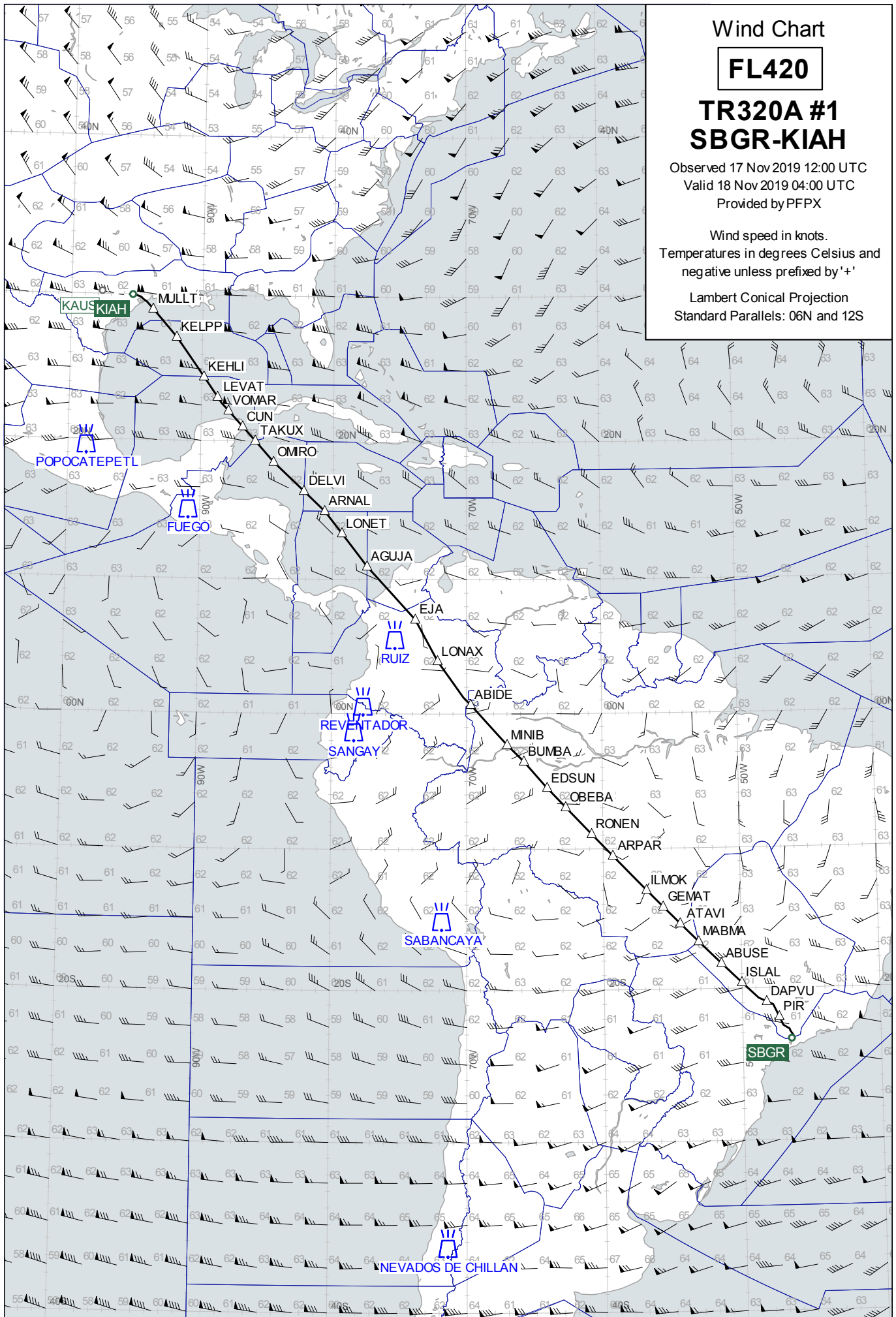
Provided by PFPX

Wind speed in knots.

Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection

Standard Parallels: 06N and 12S



Destination Area

FL150

TR320A #1
SBGR-KIAH

Observed 17 Nov 2019 12:00 UTC

Valid 18 Nov 2019 08:00 UTC

Provided by PFPX

Wind speed in knots.

Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection
Standard Parallels: 28N and 32N

