



**Tradewind VA**



**Flight Briefing Package**

**TCC213A KSFO-EBLG**

**24-Aug-2019 #1**

RELEASE #1

SAN FRANCISCO INTL  
(UNITED STATES)

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LIEGE  
(BELGIUM)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

24 AUG 2017 UTC

<b>Fuel Planning (kg)</b>	<b>EU-OPS</b>	<b>Fuel</b>	<b>Time</b>
TRIP		66.179	09:47
CONT 5%		3.309	00:33
HOLD	EBLG	1.976	00:20
ALTN	EBBR	1.597	00:14
FINAL RESV		2.971	00:30
ADD FUEL		1.495	00:12
MIN T/O		77.527	11:37
EXTRA		1.482	00:15
TAXI		780	00:15
RELEASE	KSFO	79.789	12:07
ARR FUEL	EBLG	12.570	02:00

<b>Load Planning (kg)</b>	<b>PJTGC</b>	<b>Plan</b>	<b>Limit</b>
Empty Weight		156.146	
Payload	264+0 Pax	24.816	
Zero Fuel Weight	Limit	180.962	209.106
Fuel		79.789	162.613
Ramp Weight		260.751	348.359
Take-Off Weight KSFO		259.971	299.982
Landing Weight EBLG		193.792	223.167
Underload		28.144	Lim ZFW
Max Extra Fuel		29.375	Lim LDW

<b>Cost Planning</b>		
Flight Time	09:47\$	54.516
Fuel	67.219\$	54.553
Total		\$ 109.069
Per Pax		\$ 413
Per 5.000 kg Payload		\$ 21.976

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC213A PJTGC KSFO-EBLG

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 ALL WEIGHTS IN KILOGRAMS (KG) STD 24AUG/2145Z  
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OPF 1 - PREPARED 24AUG/2017Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR213A/TCC213A PJTGC/B777-2LR GE SEL/SALH ROUTE: KSFOEBLG01

DEP: KSFO/SFO 28L ELEV 13 FT COST INDEX: 250 TTL G/C DIST: 4843 NM  
 ARR: EBLG/LGG 22L ELEV 659 FT INIT ALT: FL330 TTL F/P DIST: 4976 NM  
 FUEL BIAS: 100.5% TTL AIR DIST: 4700 NM  
 AVG WIND CMP: TL028 KT

ALT: EBBR/BRU 25R ELEV 184 FT 54 NM

CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM	ZFW	TOW	LDW
STANDARD	156146	264	0	24816	28144 ZFW	MAX 209106	299982	223167
						PLN 180962	259971	193792
						ACT .....	.....	.....

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 \*\* TAKE-OFF DATA KSFO 28L \*\*

COND: 259971 KG // RWY DRY // +22°C Q1014 300/15 // LMT: STRUCT  
 CONFIG: FLAPS 5 // D-T01 +47C // A/I OFF/AUTO // A/C ON  
 SPEEDS: V1=155 VR=157 V2=161  
 ENG OUT: AT 3 DME 'SFO' 115.80 RT TO ITCPT AND PRCD ON R 287 'SFO' 115.80 TO  
 'STINS' [22 DME R 287 'SFO' 115.80] (287 INBD,LT)

	FUEL	CORR	ENDUR	
TRIP	66179	.....	09:47	
CONT 5%	3309	.....	00:33	
ALTN EBBR	1597	.....	00:14	
FINAL RESV	2971	.....	00:30	
HOLD	1976	.....	00:20	
ADD FUEL	1495	.....	00:12	
MIN T/O	77527	.....	11:37	.....
EXTRA	1482	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	780	.....	00:15	
RELEASE	79789	.....	12:07	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	12570	.....	02:00	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 30857 KG LIM BY LDW  
 TRIP CORR FOR 5000 KG TOW INCR: +966 KG / 5000 KG TOW DECR: -1035 KG  
 2000 FT LOWER: +1329 KG / EET 09:43 CLB: 250/310/84 DES: 84/320/250

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 KSFO STD 21:45Z/14:45L ETD 21:45Z ACT OFBL .... EST T/O 22:00Z ACT T/O ....  
 EBLG STA 08:15Z/10:15L ETA 07:52Z ACT ONBL .... EST LDG 07:47Z ACT LDG ....  
 SKD 10:30 PLN 10:07 TTL BLCK .... EST FLT 09:47 TTL FLT ....  
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\*\*\*\*\* 120 MIN ETOPS CRITICAL FUEL SUMMARY \*\*\*\*\*

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (CYFB)	42 NM BEFORE	5980N	N58 09.7 W081 10.4	EET 03:56
ETOPS EXIT (CYFB)	260 NM BEFORE	TUNNI	N58 50.2 W078 12.7	EET 04:07
ETOPS ENTRY (BIKF)	39 NM BEFORE	5720N	N57 16.2 W021 05.7	EET 07:32
ETOPS EXIT (BIKF)	119 NM BEFORE	PIKIL	N56 41.9 W018 21.3	EET 07:43

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD  
 CYFB (02:59-06:00)

BIKF (05:30-06:54)

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**ONE ENGINE OUT ETP 1 FOR CYFB/BIKF** N60 04.7 W047 07.5 EET 05:57  
 1E084/320 DESC TO FL290 CRUISE AT 1E0320 214 NM BEFORE 6040N  
 PLN FUEL OVER ETP 35219 ETP FUEL REQ 15855 DIV TIME 01:33  
 ETP TO CYFB (N63 45.4 W068 33.4) DIST 642 NM WC HD056 TT 299  
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 725 NM WC HD002 TT 061

**ONE ENGINE OUT DECOMP ETP 1 FOR CYFB/BIKF** N60 05.5 W045 45.4 EET 06:02  
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 173 NM BEFORE 6040N  
 PLN FUEL OVER ETP 34709 ETP FUEL REQ 16509 DIV TIME 01:59  
 ETP TO CYFB (N63 45.4 W068 33.4) DIST 677 NM WC HD022 TT 299  
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 689 NM WC HD015 TT 060

**ALL ENGINE DECOMP ETP 1 FOR CYFB/BIKF** N60 05.5 W045 45.4 EET 06:02  
 84/320/250 DESC TO FL100 CRUISE AT AE320 173 NM BEFORE 6040N  
 PLN FUEL OVER ETP 34709 ETP FUEL REQ 15741 DIV TIME 01:59  
 ETP TO CYFB (N63 45.4 W068 33.4) DIST 677 NM WC HD022 TT 299  
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 689 NM WC HD015 TT 060

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**ATC ROUTE:** N0502F330 TRUKN2 ORRCA DCT FMG/N0494F350 DCT KU75K DCT KU09Q DCT  
 5130N10000W 55N090W 5830N08000W/N0484F370 DCT TUNNI DCT RODBO DCT  
 MUSLO DCT RADUN DCT 60N050W/M084F370 60N040W/N0498F370  
 59N030W/M085F370 57N020W DCT PIKIL DCT SOVED DCT MIMKU/N0489F370 DCT  
 SOSIM UL15 BIG/N0440F190 L9 DVR M140 VABIK Q70 KOK KOK5D

**ALTERNATE PLANNING**

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ALTN/RWY	DIST	ALT/FL	MSA	COMP	TIME	FUEL	DIFF	ROUTE
EBBR/25R	54	FL100	036	TL002	00:14	1597	-	ONL DCT BUB

MOST CRITICAL MORA 15000 FT AT KU09Q

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AWY	WAYPOINT	MT	ALT	MSA	FREQ	TAS	LEG	FUEL	REM / USED	LEG	ACC
-FIR	NAME		ISA	WND/SPD	GS	REM	POSITION	ET0	ATO		
	KSFO/28L		13	061				79.0 / 0.8			
	SAN FRANCISCO INTL					4976	N3736.7 W12221.6	...../.....			
TRUKN2	TRUKN	034	*CLB	061		12	77.4 / 2.4	04 00.04			
				P18 214/004		4963	N3743.1 W12212.9	...../.....			
TRUKN2	HYPEE	022	*CLB	061		12	76.7 / 3.1	02 00.06			
				P18 246/003		4951	N3752.8 W12204.1	...../.....			
TRUKN2	ORRCA	022	*CLB	066		42	75.1 / 4.7	06 00.12			
				P15 300/017		4909	N3826.6 W12133.1	...../.....			
DCT	*TOC	040	FL330	127		502 41	74.0 / 5.8	05 00.17			
				P10 301/022		510 4868	N3851.2 W12051.0	...../.....			
DCT	FMG	040	*CLB	130	117.90	69	73.0 / 6.8	08 00.25			
	MUSTANG RENO			P10 305/030		4799	N3931.9 W11939.4	...../.....			
	KBOI	028	FL350	130		53	72.1 / 7.7	06 00.31			
				P09 286/034		4747	N4011.1 W11853.4	...../.....			
DCT	*BDRY	029	FL350	122		494 26	71.8 / 8.0	03 00.34			

-KZLC P09 299/042 500 4721 N4030.3 W11830.5 ...../.....

DCT KU75K 029 FL350 127 494 165 69.4 / 10.4 20 00.54  
P08 295/081 514 4556 N4230.0 W11600.0 ...../.....

KMOT 032 FL350 150 335 64.9 / 14.9 38 01.32  
P08 285/097 4221 N4619.0 W11018.3 ...../.....

DCT KU09Q 037 FL350 136 491 17 64.7 / 15.1 02 01.34  
P05 274/055 528 4204 N4630.0 W11000.0 ...../.....

DCT \*BDRY 038 FL350 111 491 237 61.5 / 18.3 27 02.01  
-CZWG P05 230/048 539 3967 N4900.0 W10527.9 ...../.....

CYWG 043 FL350 047 190 59.0 / 20.7 21 02.22  
P05 193/054 3778 N5051.9 W10130.1 ...../.....

----- 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 52N00 049 FL350 044 491 69 58.2 / 21.6 08 02.30  
5130N10000W P04 204/049 533 3709 N5130.0 W10000.0 ...../.....

CYYQ 051 FL350 027 253 54.9 / 24.9 28 02.58  
P05 223/040 3456 N5343.8 W09406.9 ...../.....

DCT 5590N 061 FL350 027 492 163 52.8 / 27.0 18 03.16  
55N090W P05 248/039 533 3293 N5500.0 W09000.0 ...../.....

----- ETOPS ENTRY (CYYQ) 0042 NM BEFORE 5980N EET 03:56 -----

DCT 5980N 076 \*CLB 019 390 47.8 / 31.9 45 04.01  
-CZUL 5830N08000W P04 275/043 2902 N5830.0 W08000.0 ...../.....

----- ETOPS EXIT (CYFB) 0260 NM BEFORE TUNNI EET 04:07 -----

DCT TUNNI 089 FL370 027 484 320 43.7 / 36.1 36 04.37  
M00 312/067 520 2582 N6000.0 W07000.0 ...../.....

DCT RODBO 109 FL370 042 485 145 42.0 / 37.8 17 04.54  
P01 322/080 530 2437 N6005.0 W06510.0 ...../.....

DCT \*BDRY 110 FL370 042 487 91 40.8 / 38.9 10 05.04  
-CZQX P03 324/071 524 2346 N6009.9 W06207.5 ...../.....

DCT MUSLO 113 FL370 010 487 4 40.8 / 39.0 01 05.05  
P03 324/071 524 2342 N6010.0 W06200.0 ...../.....

BGBW 119 FL370 010 72 39.9 / 39.9 08 05.13  
P06 324/081 2271 N6003.7 W05936.5 ...../.....

DCT RADUN 121 FL370 010 489 49 39.3 / 40.5 06 05.19  
P05 330/057 523 2222 N5958.0 W05800.0 ...../.....

DCT \*BDRY 110 FL370 010 495 193 36.9 / 42.9 22 05.41  
-BGGL P11 341/044 509 2029 N6001.9 W05134.1 ...../.....

DCT 6050N 115 FL370 010 497 47 36.3 / 43.5 06 05.47

	60N050W		P12	337/034	511	1981	N6000.0	W05000.0	...../.....
	<b>*ETP 1</b>	109	FL370	078		499	127	34.7 / 45.1	15 06.02
	CYFB/BIKF		P13	293/012	510	1854	N6005.5	W04545.4	...../.....
DCT	<b>*BDRY</b>	111	FL370	097		498	120	33.2 / 46.6	14 06.16
-CZQX			P12	228/013	508	1734	N6003.3	W04145.1	...../.....
DCT	<b>6040N</b>	113	FL370	010		498	53	32.6 / 47.2	06 06.22
	60N040W		P12	218/015	506	1681	N6000.0	W04000.0	...../.....
	<b>BIKF</b>	117	FL370	010			208	30.0 / 49.8	25 06.47
			P15	218/025		1473	N5924.8	W03313.6	...../.....
DCT	<b>5930N</b>	119	FL370	010		498	103	28.7 / 51.0	12 06.59
-EGGX	59N030W		P12	219/061	519	1370	N5900.0	W03000.0	...../.....
----- ETOPS ENTRY (BIKF) 0039 NM BEFORE 5720N EET 07:32 -----									
DCT	<b>5720N</b>	124	FL370	010		487	340	24.9 / 54.9	38 07.37
	57N020W		P02	262/080	552	1030	N5700.0	W02000.0	...../.....
----- ETOPS EXIT (EINN) 0119 NM BEFORE PIKIL EET 07:43 -----									
DCT	<b>PIKIL</b>	118	FL370	010		487	176	22.9 / 56.8	19 07.56
			P02	298/062	552	854	N5600.0	W01500.0	...../.....
DCT	<b>SOVED</b>	097	FL370	010		488	34	22.6 / 57.2	03 07.59
			P02	305/060	537	820	N5600.0	W01400.0	...../.....
DCT	<b>MIMKU</b>	095	FL370	010		489	134	21.0 / 58.8	16 08.15
-EGPX			P04	314/039	518	686	N5600.0	W01000.0	...../.....
DCT	<b>*BDRY</b>	127	FL370	038		489	73	20.2 / 59.6	08 08.23
-EISN			P03	299/021	517	613	N5520.3	W00812.2	...../.....
DCT	<b>*BDRY</b>	128	FL370	038		490	35	19.8 / 60.0	04 08.27
-EGPX			P03	297/014	509	578	N5500.5	W00721.3	...../.....
DCT	<b>*BDRY</b>	128	FL370	040		489	79	18.8 / 61.0	10 08.37
-EGTT			P02	254/007	497	499	N5414.8	W00529.9	...../.....
DCT	<b>SOSIM</b>	129	FL370	048		489	44	18.3 / 61.5	05 08.42
			P02	220/016	490	455	N5348.9	W00430.5	...../.....
UL15	<b>GIGTO</b>	129	FL370	048		489	18	18.0 / 61.8	02 08.44
			P02	217/019	490	437	N5338.0	W00405.9	...../.....
	<b>EGCC</b>	129	FL370	048			16	17.8 / 62.0	02 08.46
			P02	225/009		421	N5328.3	W00344.3	...../.....
UL15	<b>MALUD</b>	129	FL370	047		489	6	17.8 / 62.0	01 08.47
			P02	215/019	489	415	N5324.8	W00336.5	...../.....
UL15	<b>EPOXI</b>	133	FL370	047		489	7	17.7 / 62.1	01 08.48
			P02	215/019	487	408	N5320.0	W00327.3	...../.....
UL15	<b>AMPIT</b>	133	FL370	047		489	13	17.5 / 62.3	01 08.49
			P01	214/017	487	395	N5311.7	W00311.6	...../.....
UL15	<b>RISLA</b>	133	FL370	047		489	15	17.3 / 62.5	02 08.51
			P01	212/015	487	380	N5301.9	W00253.2	...../.....
UL15	<b>KEPAD</b>	133	FL370	036		489	20	17.1 / 62.7	03 08.54

				P02 211/013	487	361	N5248.6	W00228.7	...../.....
UL15	<b>HON</b> HONILEY	133	FL370	030 <b>113.65</b>	490	40	16.6 /	63.2	05 08.59
				P02 211/011	487	320	N5221.4	W00139.8	...../.....
UL15	<b>PIXUP</b>	135	FL370	026	490	28	16.2 /	63.6	03 09.02
				P02 214/011	488	292	N5201.9	W00106.7	...../.....
UL15	<b>FINMA</b>	135	FL370	026	490	3	16.2 /	63.6	00 09.02
				P02 215/011	488	289	N5159.8	W00103.2	...../.....
UL15	<b>BETPO</b>	135	FL370	024	490	17	16.0 /	63.8	03 09.05
				P02 214/012	488	272	N5147.9	W00043.5	...../.....
	<b>EGLL</b>	135	FL370	023		12	15.8 /	64.0	01 09.06
				P03 205/011		260	N5139.5	W00029.7	...../.....
UL15	<b>BIG</b> BIGGIN	135	*DES	024 <b>115.10</b>		28	15.5 /	64.3	03 09.09
				P03 212/013		232	N5119.9	E00002.1	...../.....
L9	<b>DIKVU</b>	101	*DES	024		11	15.5 /	64.3	02 09.11
				P04 205/013		221	N5117.8	E00019.0	...../.....
L9	<b>EMKAD</b>	101	*DES	024		15	15.4 /	64.4	02 09.13
				P06 204/014		206	N5114.8	E00042.6	...../.....
L9	<b>UMTUM</b>	101	*DES	024		12	15.4 /	64.4	01 09.14
				P08 206/013		194	N5112.5	E00101.1	...../.....
L9	<b>DVR</b> DOVER	102	*DES	024 <b>114.95</b>		13	15.4 /	64.4	02 09.16
				P08 207/011		181	N5109.8	E00121.6	...../.....
M140 -EBBU	<b>VABIK</b>	078	FL190	024	440	25	14.9 /	64.8	03 09.19
				P08 209/010	448	157	N5114.8	E00200.0	...../.....
Q70	<b>MADUX</b>	094	FL190	019	440	15	14.7 /	65.1	02 09.21
				P09 211/010	445	141	N5113.6	E00224.5	...../.....
	<b>EBLG</b>	130	FL190	019		4	14.6 /	65.2	01 09.22
				P08 229/010		137	N5110.6	E00230.1	...../.....
Q70	<b>KOK</b> KOKSY	130	FL190	019 <b>114.50</b>	441	8	14.5 /	65.3	01 09.23
				P09 215/010	439	129	N5105.7	E00239.1	...../.....
KOK5D	<b>*TOD</b>	118	FL190	028	441	61	13.5 /	66.3	08 09.31
				P09 224/008	443	68	N5036.0	E00402.7	...../.....
KOK5D	<b>GSY</b> GOSLY CHARLEROI	119	*DES	028 <b>115.70</b>		18	13.4 /	66.4	03 09.34
				P09 207/004		51	N5027.2	E00426.5	...../.....
KOK5D	<b>RUDIX</b>	093	*DES	036		25	13.2 /	66.5	04 09.38
				P09 140/002		25	N5025.1	E00506.1	...../.....
KOK5D	<b>LGE</b> LIEGE	043	*DES	036 <b>115.45</b>		20	13.1 /	66.7	05 09.43
				P09 120/002		5	N5039.2	E00528.2	...../.....
KOK5D	<b>EBLG/22L</b> LIEGE	224	659	036		5	12.8 /	67.0	04 09.47
							N5038.9	E00527.7	...../.....

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WIND INFORMATION - OBS 24/AUG 12:00

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**(CLIMB)**                      **KU75K**                      **KU09Q**                      **52N00**  
FL340 300/017 -43    FL390 298/083 -56    FL390 272/048 -54    FL390 204/054 -59  
FL270 306/017 -24    FL370 297/083 -51    FL370 273/051 -52    FL370 203/053 -55  
FL200 291/009 -6     FL350 295/082 -46    FL350 274/056 -50    FL350 204/049 -50  
13000 240/006 +7     FL330 295/079 -41    FL330 275/055 -46    FL330 205/046 -45  
6000 217/008 +20    FL310 295/076 -36    FL310 276/050 -41    FL310 206/044 -39

**5590N**                      **TUNNI**                      **RODBO**                      **RADUN**  
FL390 251/043 -59    FL410 312/059 -58    FL410 321/063 -56    FL410 332/047 -50  
FL370 250/042 -55    FL390 312/067 -60    FL390 321/075 -57    FL390 331/053 -51  
FL350 249/040 -50    FL370 312/068 -57    FL370 323/080 -55    FL370 331/058 -52  
FL330 248/039 -44    FL350 313/066 -52    FL350 324/084 -52    FL350 331/061 -51  
FL310 248/040 -39    FL330 312/065 -47    FL330 325/083 -48    FL330 330/062 -50

**6050N**                      **6040N**                      **5930N**                      **5720N**  
FL410 334/025 -44    FL410 225/019 -43    FL410 223/054 -46    FL410 262/069 -57  
FL390 336/029 -44    FL390 220/018 -43    FL390 222/059 -45    FL390 264/082 -58  
FL370 338/034 -45    FL370 218/015 -45    FL370 219/061 -44    FL370 262/081 -54  
FL350 338/041 -45    FL350 217/012 -47    FL350 216/064 -44    FL350 260/076 -49  
FL330 340/047 -45    FL330 209/007 -48    FL330 212/064 -43    FL330 257/073 -44

**PIKIL**                      **MIMKU**                      **SOSIM**                      **HON**  
FL410 294/054 -58    FL410 302/031 -56    FL410 233/014 -57    FL410 220/013 -57  
FL390 298/065 -58    FL390 311/039 -56    FL390 226/015 -58    FL390 213/013 -58  
FL370 299/063 -54    FL370 315/039 -53    FL370 221/017 -55    FL370 211/012 -55  
FL350 299/058 -50    FL350 317/039 -50    FL350 216/019 -51    FL350 211/011 -51  
FL330 298/051 -45    FL330 319/036 -46    FL330 215/021 -46    FL330 209/011 -46

**VABIK**                      **(DESCENT)**  
FL230 205/014 -23    FL250 205/009 -27  
FL210 207/013 -19    FL200 197/007 -15  
FL190 209/011 -14    FL150 188/005 -5  
FL170 209/010 -10    FL100 173/004 +5  
FL150 206/009 -6     FL050 150/008 +13

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END FLIGHTPLAN 03398 TCC213A PJTGC KSFO-EBLG 24AUG2019



[ATC FLIGHTPLAN]

(FPL-TCC213A-IS

-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2

-KSFO2145

-N0502F330 TRUKN2 ORRCA DCT FMG/N0494F350 DCT KU75K DCT KU09Q

DCT 5130N10000W 55N090W 5830N08000W/N0484F370 DCT TUNNI DCT

RODBO DCT MUSLO DCT RADUN DCT 60N050W/M084F370 60N040W/N0498F370

59N030W/M085F370 57N020W DCT PIKIL DCT SOVED DCT MIMKU/N0489F370

DCT SOSIM UL15 BIG/N0440F190 L9 DVR M140 VABIK Q70 KOK

-EBLG0947 EBBR

-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/190824 REG/PJTGC

EET/KZLC0034 CZWG0201 CZUL0401 CZQX0504 BGGL0541 60N050W0547

CZQX0616 60N040W0622 EGGX0659 57N020W0737 EGPX0815 EISN0823

EGPX0827 EGTT0837 EBBU0919

SEL/SALH CODE/484DC5 RVR/75 OPR/TRADEWIND CARIBBEAN

ORGN/TNCCTCAP PER/C

RALT/BIKF CYFB

RMK/TCAS

-E/1152)

[PLANNING WEATHER]

**ORIGIN: KSFO/SFO (SAN FRANCISCO INTL, UNITED STATES)**

**UTC -07:00**

KSFO 241956Z 31016KT 10SM FEW009 22/14 A2994 RMK A02 SLP138 T02170144  
KSFO 241737Z 2418/2524 04005KT P6SM SCT011 SCT013  
FM241900 33006KT P6SM SCT011  
FM242100 30015KT P6SM FEW011  
FM250300 29010KT P6SM FEW011  
FM250900 27006KT P6SM SCT011  
FM251400 28004KT P6SM BKN015  
FM251700 33005KT P6SM FEW012  
FM252100 30015KT P6SM FEW015

**DESTINATION: EBLG/LGG (LIEGE, BELGIUM)**

**UTC +02:00**

EBLG 241950Z 13004KT CAVOK 25/12 Q1019 NOSIG  
EBLG 241710Z 2418/2524 VRB03KT CAVOK

**ALTERNATE: EBBR/BRU (BRUSSELS NATIONAL, BELGIUM)**

**UTC +02:00**

EBBR 241950Z 09002KT CAVOK 22/15 Q1018 NOSIG  
EBBR 241710Z 2418/2524 VRB03KT CAVOK

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

**UTC +00:00**

BIKF 241930Z 29006KT 260V350 9999 FEW010 SCT015TCU 12/09 Q1011  
BIKF 241653Z 2418/2518 29010KT 9999 FEW013 TX12/2418Z TN08/2505Z  
BECMG 2421/2500 VRB02KT BKN013  
BECMG 2502/2505 15012KT  
BECMG 2507/2509 12017G27KT -RA BKN015 OVC025  
BECMG 2512/2514 12028G45KT 5000 RA  
BECMG 2516/2518 14018G28KT 2000 RADZ BR OVC005

**EDTO AIRPORT: CYFB/YFB (IQALUIT, CANADA)**

**UTC -04:00**

CYFB 241942Z 30014KT 30SM FEW028 BKN051 BKN250 14/07 A2989 RMK SC2SC5CI1  
CI TR WSHFT 1927 SLP125  
CYFB 241738Z 2418/2518 13005KT P6SM SCT060 BKN200  
BECMG 2419/2421 32012KT  
FM242100 32012KT P6SM BKN030 BKN060  
TEMPO 2421/2424 P6SM -RA BKN015 OVC030  
FM250000 33010KT P6SM FEW040  
RMK NXT FCST BY 250000Z

**ADEQUATE: KBOI/BOI (BOISE AIR TERMINAL/GOWEN, UNITED STATES)**

**UTC -06:00**

KBOI 241953Z VRB05KT 10SM CLR 32/02 A2991 RMK A02 SLP095 T03220022  
KBOI 241720Z 2418/2518 13007KT P6SM SKC  
FM242000 31012G18KT P6SM SCT250  
FM250300 30006KT P6SM SKC

**ADEQUATE: KMOT/MOT (MINOT INTL, UNITED STATES)**

**UTC -05:00**

KMOT 241954Z 15014G24KT 10SM OVC050 25/18 A2981 RMK A02 PK WND 16026/1916  
SLP086 T02500183  
KMOT 241728Z 2418/2518 18016G25KT P6SM BKN025  
FM242200 18015G24KT P6SM FEW030 SCT090  
FM250100 18012G27KT P6SM VCSH SCT030 OVC100  
FM251100 19007KT P6SM SCT060  
FM251500 22007KT P6SM BKN070

**ADEQUATE: CYWG/YWG (RICHARDSON INTL, CANADA)**

**UTC -05:00**

CYWG 241900Z 18026G34KT 15SM FEW040 SCT160 OVC250 28/17 A2990 RMK  
CU2AC2CI3 SLP126 DENSITY ALT 2500FT  
CYWG 241739Z 2418/2518 18020G30KT P6SM FEW060 BKN290  
FM250300 18020G30KT P6SM BKN050  
TEMPO 2503/2515 P6SM -SHRA  
PROB30 2503/2512 VRB25G40KT 2SM TSRA SCT020 OVC050CB  
FM251500 18020KT P6SM SCT008 OVC030  
TEMPO 2515/2518 BKN008 OVC030  
RMK NXT FCST BY 250000Z

**ADEQUATE: CYYQ/YYQ (CHURCHILL, CANADA)**

**UTC -05:00**

CYYQ 241900Z 13022G28KT 15SM SCT008 BKN100 16/13 A2979 RMK SF4AC2 SLP092  
DENSITY ALT 400FT  
AMD CYYQ 241914Z 2419/2518 13020G30KT P6SM SCT008 BKN100  
TEMPO 2419/2421 BKN008 BKN100  
FM242100 13015G25KT P6SM -RA SCT005 OVC015  
TEMPO 2421/2506 4SM -SHRA BR OVC005  
BECMG 2422/2424 18015G25KT  
FM250600 24012KT P6SM SCT005 BKN025 OVC080  
TEMPO 2506/2509 4SM -SHRA BR OVC005  
FM250900 31012KT 4SM BR OVC005  
TEMPO 2509/2518 P6SM NSW OVC010  
RMK NXT FCST BY 250000Z

**ADEQUATE: BGBW/UAQ (NARSARSUAQ, GREENLAND)**

**UTC -02:00**

BGBW 241950Z 06020KT 9999 FEW060 SCT090 BKN120 12/M06 Q1003  
BGBW 241402Z 2415/2421 VRB08KT 9999 FEW070 BKN180  
TEMPO 2415/2421 BKN070  
PROB40 2417/2421 06018G28KT

**ADEQUATE: EINN/SNN (SHANNON, IRELAND)**

**UTC +01:00**

EINN 241930Z 27007KT 9999 FEW013 BKN031 16/14 Q1015 NOSIG  
EINN 241700Z 2418/2518 32010KT 9999 FEW020 BKN030  
BECMG 2422/2424 29007KT  
TEMPO 2500/2504 BKN007  
PROB30 TEMPO 2500/2506 4000 BR

**ADEQUATE: EGCC/MAN (MANCHESTER, UNITED KINGDOM)**

**UTC +01:00**

EGCC 241950Z AUTO 09003KT 9999 NCD 20/13 Q1017 NOSIG  
EGCC 241655Z 2418/2524 15005KT 9999 FEW045

**ADEQUATE: EGLL/LHR (HEATHROW, UNITED KINGDOM)**

**UTC +01:00**

EGLL 241950Z AUTO 13005KT 9999 NCD 23/12 Q1017 NOSIG

EGLL 241654Z 2418/2524 17010KT CAVOK

BECMG 2422/2501 08004KT 7000

BECMG 2507/2510 17010KT CAVOK

BECMG 2518/2521 VRB03KT

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/3 TRACKS FLS 320/400 INCLUSIVE  
AUG 25/0100Z TO AUG 25/0800Z  
PART ONE OF THREE PARTS-

R ALLRY 51/50 54/40 56/30 56/20 PIKIL SOVED  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N389B N383B-

S ELSIR 50/50 53/40 55/30 55/20 RESNO NETKI  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N333B N325A-

T JOOPY 49/50 52/40 54/30 54/20 DOGAL BEXET  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N269A N263A-

U MUSAK 4830/50 5130/40 5330/30 5330/20 NEBIN OLGON  
EAST LVLS 350 360 370 380 390  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N237A N231A-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 320/400 INCLUSIVE  
AUG 25/0100Z TO AUG 25/0800Z  
PART TWO OF THREE PARTS-

V NICSO 48/50 51/40 53/30 53/20 MALOT GISTI  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N211E N197A-

W PORTI 47/50 50/40 52/30 52/20 LIMRI XETBO  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N155A N139A-

X SUPRY 46/50 49/40 51/30 51/20 DINIM ELSOX  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N93A N75A-

Y DOVEY 42/60 44/50 48/40 50/30 50/20 SOMAX ATSUR  
EAST LVLS 320 340 380 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR NIL-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 320/400 INCLUSIVE  
AUG 25/0100Z TO AUG 25/0800Z  
PART THREE OF THREE PARTS-

Z SOORY 43/50 46/40 49/30 49/20 BEDRA NASBA  
EAST LVLS 320 340 380 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR NIL-

REMARKS:

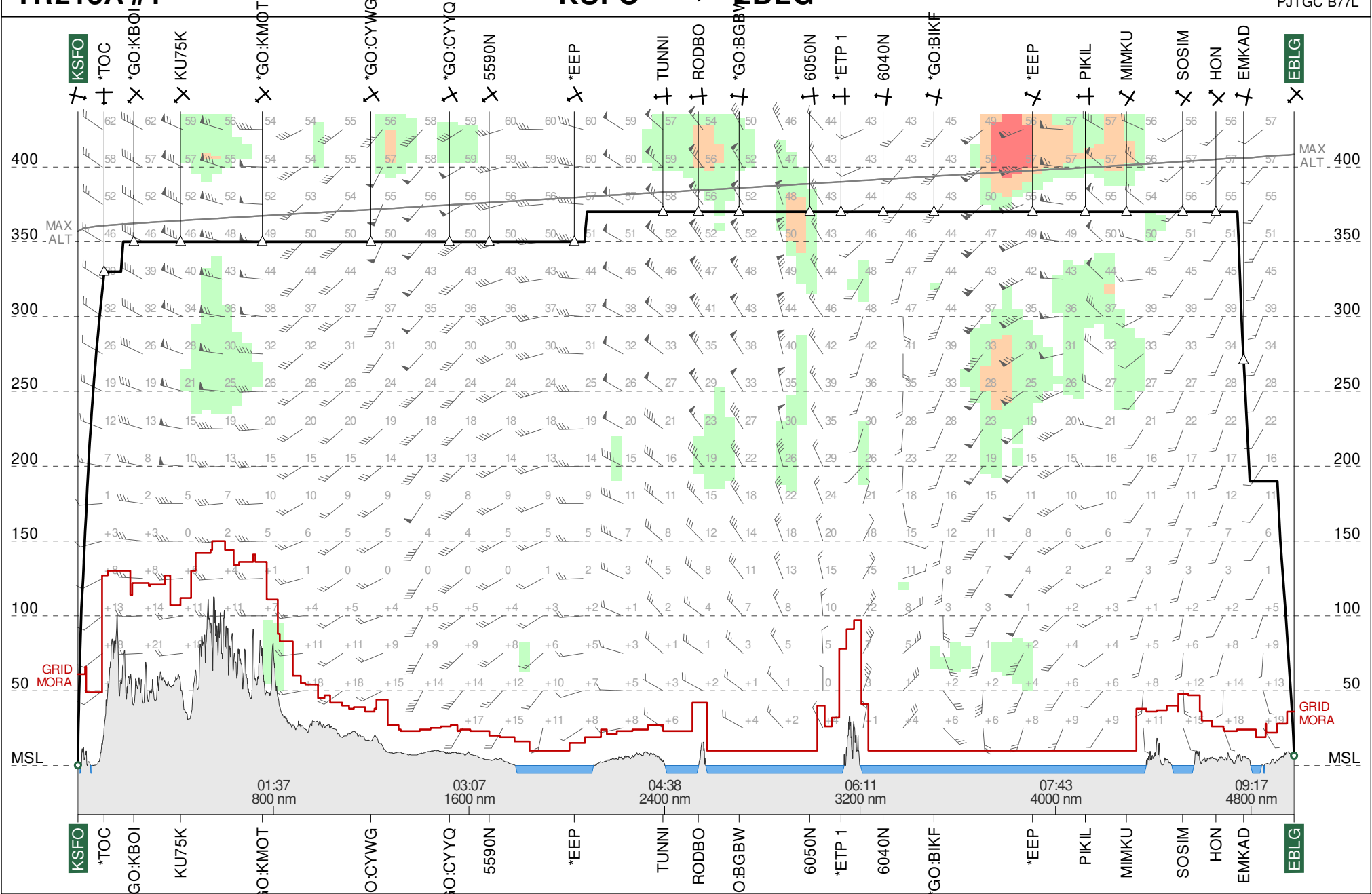
- 1.TMI IS 237 AND OPERATORS ARE REMINDED TO INCLUDE THE NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
- 2.OPERATORS ARE REMINDED THAT ADS-C AND CPDLC ARE MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
- 3.PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS  
TRACK T  
TRACK U  
TRACK V  
END OF PBCS 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)

# TR213A #1

## KSFO → EBLG

ETD 24 Aug 21:45z  
PJTGC B77L



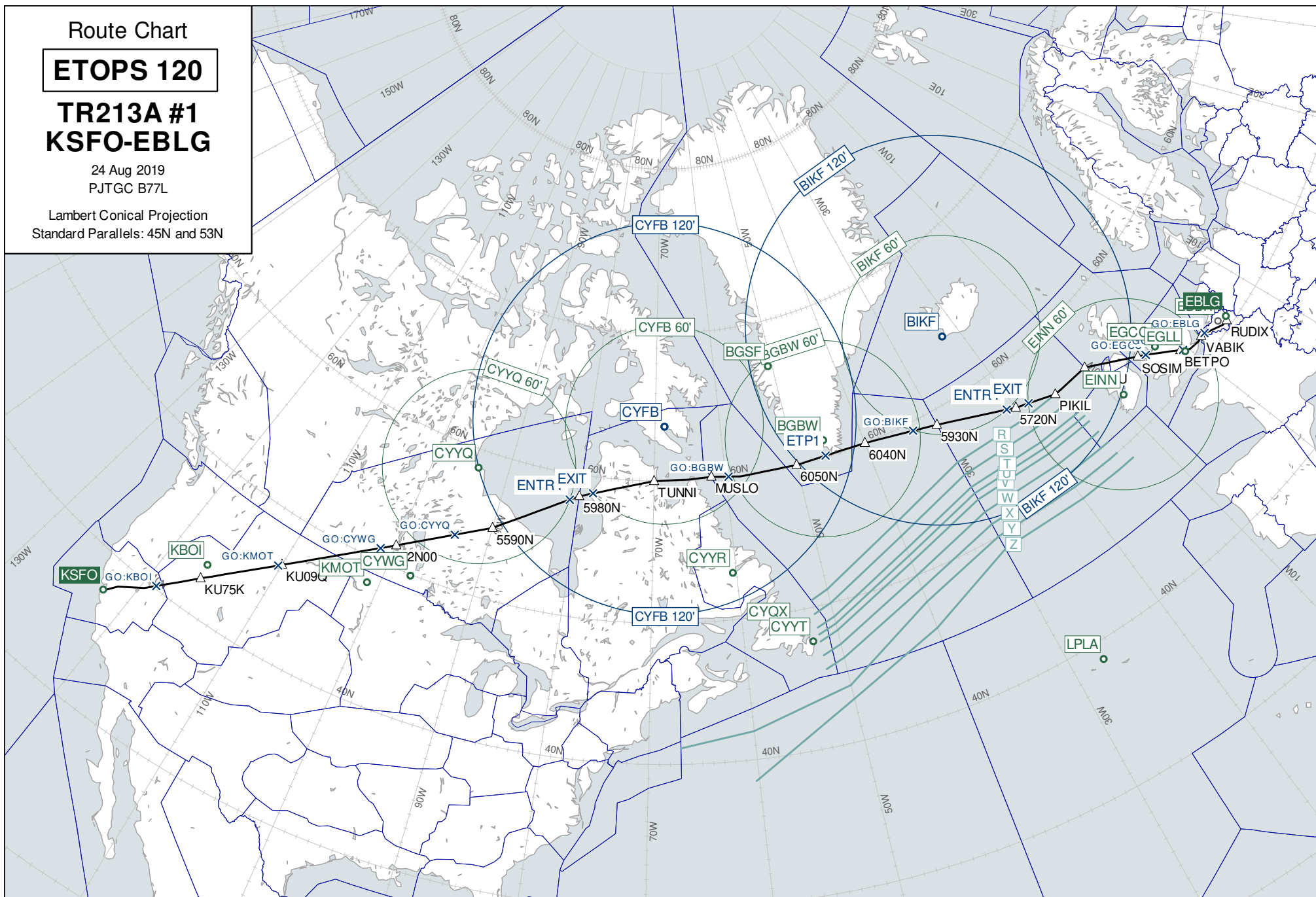
Route Chart

**ETOPS 120**

**TR213A #1  
KSFO-EBLG**

24 Aug 2019  
PJTGC B77L

Lambert Conical Projection  
Standard Parallels: 45N and 53N





# Wind Chart

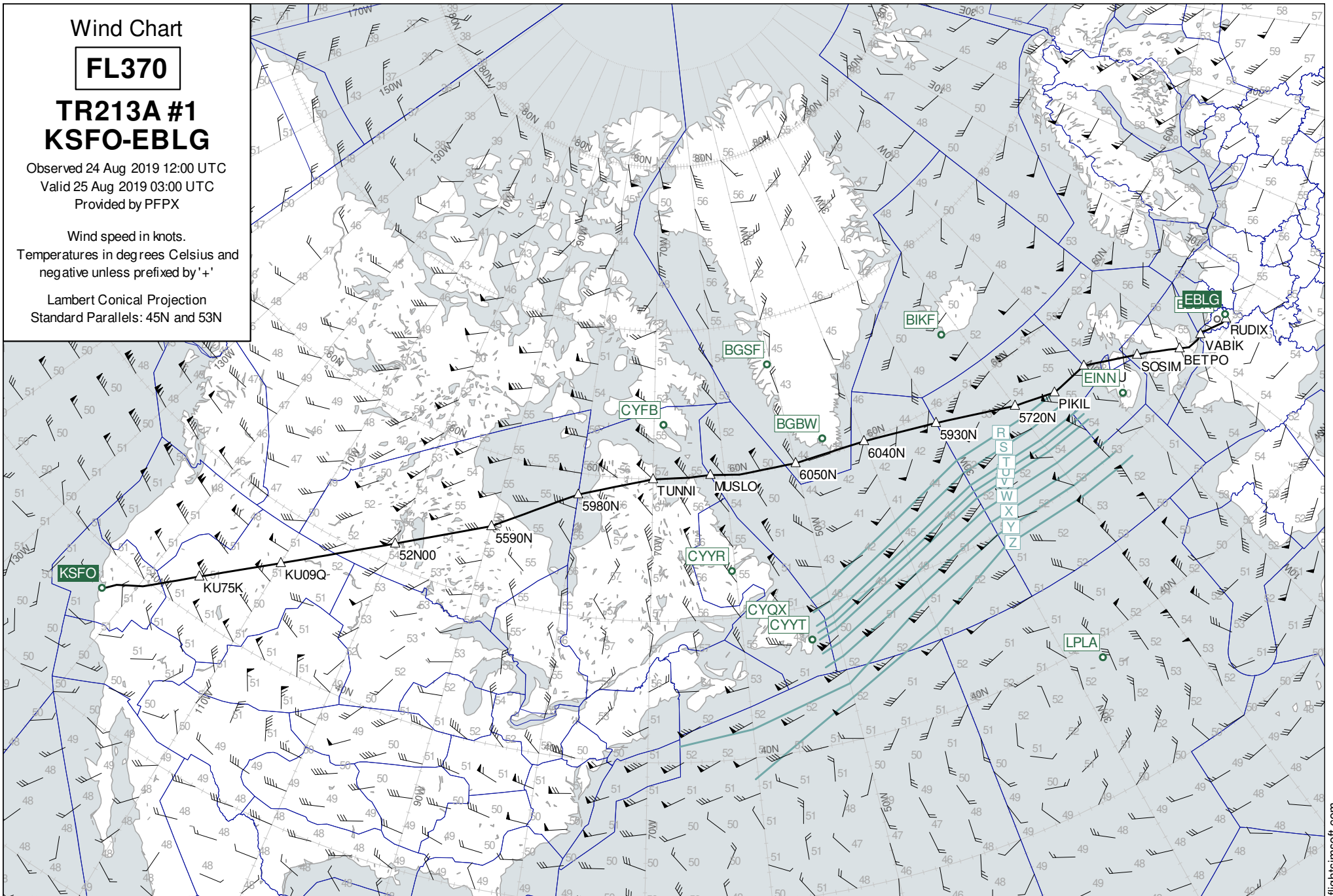
## FL370

### TR213A #1 KSFO-EBLG

Observed 24 Aug 2019 12:00 UTC  
Valid 25 Aug 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: 45N and 53N



# Wind Chart

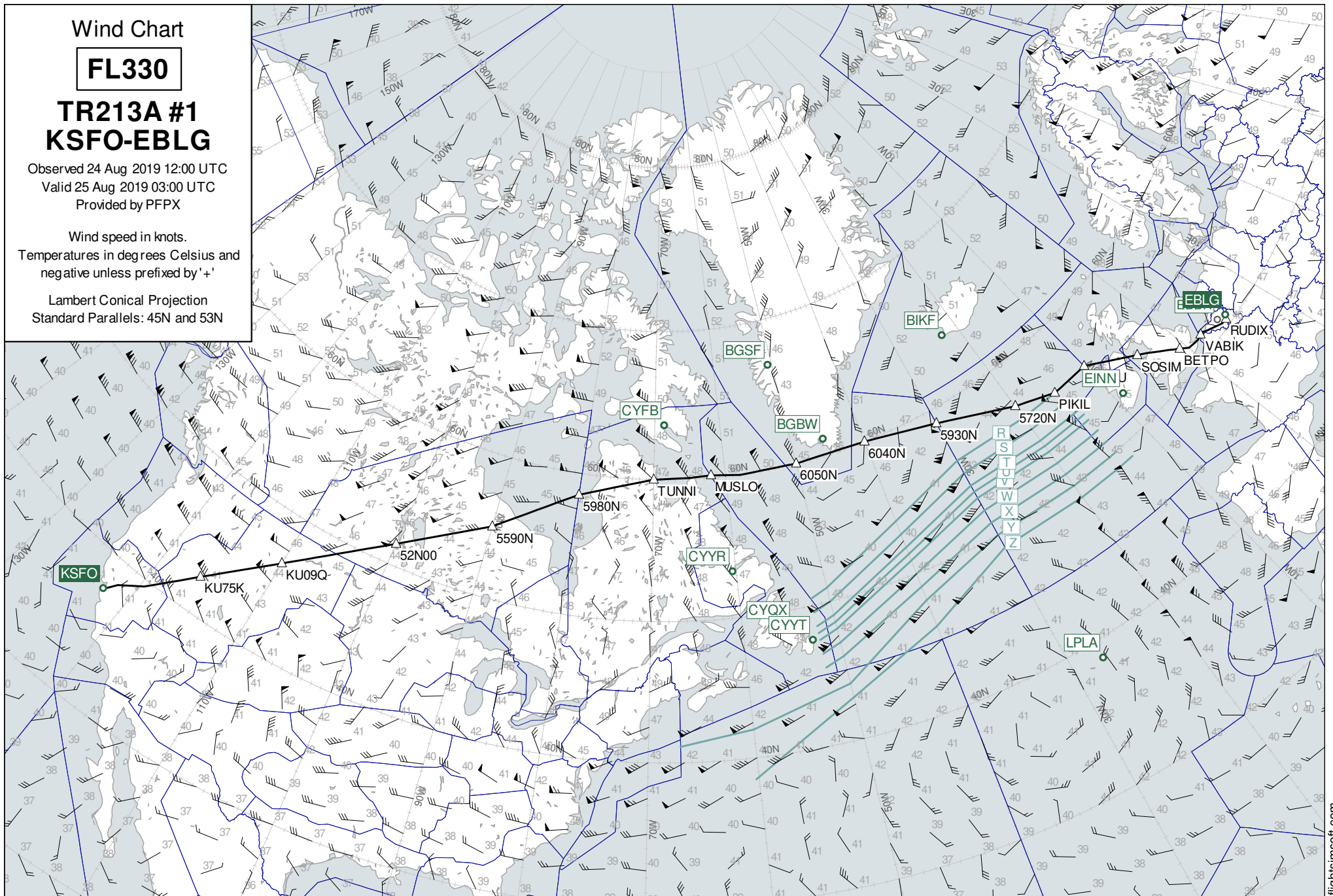
## FL330

### TR213A #1 KSFO-EBLG

Observed 24 Aug 2019 12:00 UTC  
Valid 25 Aug 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: 45N and 53N





# Wind Chart

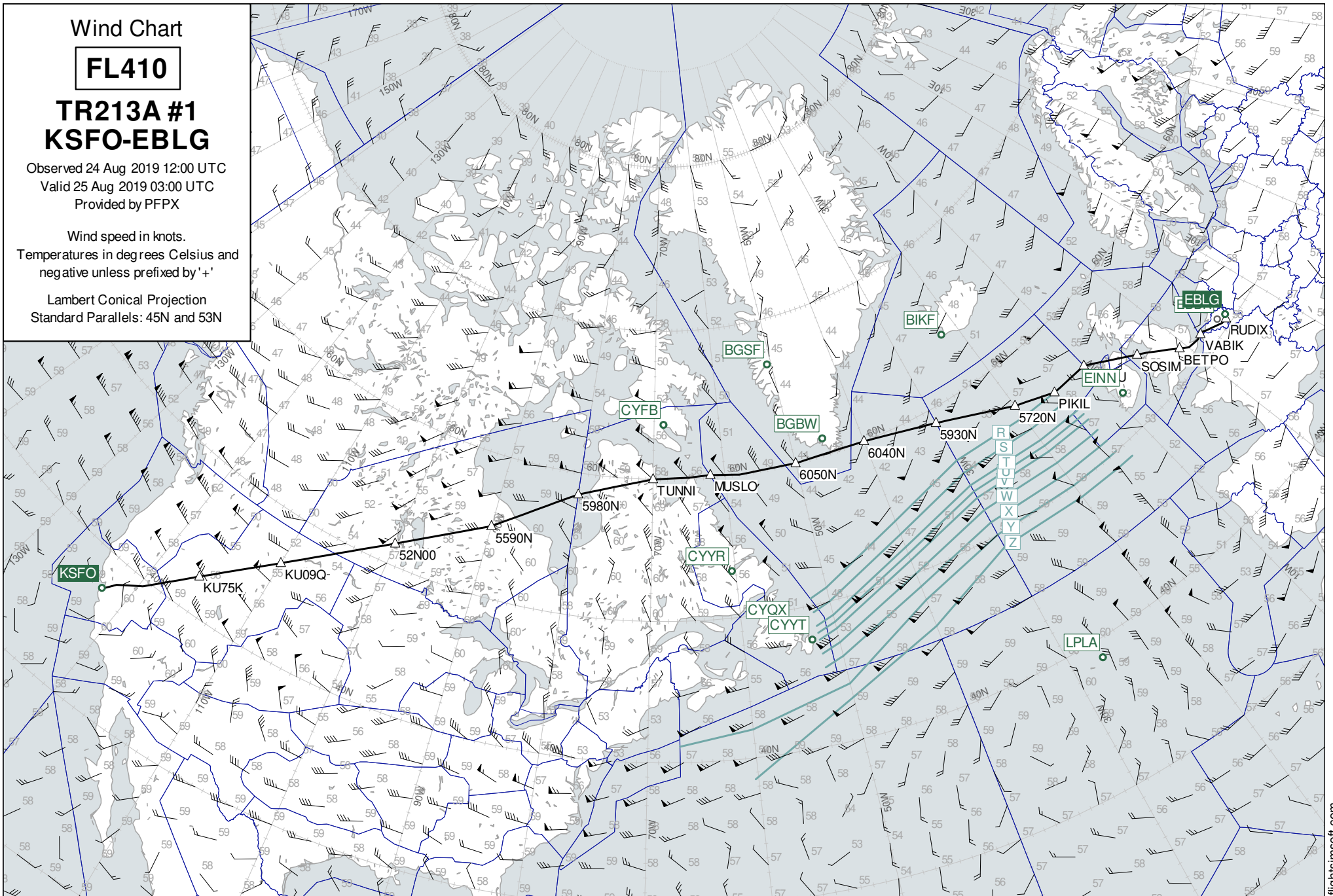
## FL410

### TR213A #1 KSFO-EBLG

Observed 24 Aug 2019 12:00 UTC  
Valid 25 Aug 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: 45N and 53N



Destination Area

**15000**

**TR213A #1  
KSFO-EBLG**

Observed 24 Aug 2019 12:00 UTC

Valid 25 Aug 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: 49N and 53N

