



**Tradewind VA**



**Flight Briefing Package**

**TCC314C LIMC-KSFO**

**08-Sep-2019 #1**

RELEASE #1

MALPENSA

(ITALY)

-

SAN FRANCISCO INTL

(UNITED STATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

08 SEP 1516 UTC

<b>Fuel Planning (kg)</b>	<b>EU-OPS</b>	<b>Fuel</b>	<b>Time</b>
TRIP		80.956	11:41
CONT 5%		4.048	00:41
HOLD	KSFO	1.984	00:20
ALTN	KOAK	1.116	00:08
FINAL RESV		2.976	00:30
ADD FUEL		1.185	00:12
MIN T/O		92.265	13:32
EXTRA		1.488	00:15
TAXI		832	00:16
RELEASE	LIMC	94.585	14:03
ARR FUEL	KSFO	12.589	02:02

<b>Load Planning (kg)</b>	<b>PJTGE</b>	<b>Plan</b>	<b>Limit</b>
Empty Weight		156.146	
Payload	266+0 Pax	25.004	
Zero Fuel Weight		181.150	209.106
Fuel		94.585	162.613
Ramp Weight		275.735	348.359
Take-Off Weight LIMC	Limit	274.903	280.148
Landing Weight KSFO		193.947	223.167
Underload		5.245	Lim TOW

<b>Cost Planning</b>			
Flight Time	11:41\$	63.876	
Fuel	81.996\$	125.817	
Delay	00:40\$	1.911	
Total		\$ 191.604	
Per Pax		\$ 720	
Per 5.000 kg Payload		\$ 38.315	

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC314C PJTGE LIMC-KSFO

ALL WEIGHTS IN KILOGRAMS (KG) STD 08SEP/1855Z

OFFP 1 - PREPARED 08SEP/1516Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR314C/TCC314C PJTGE/B777-2LR GE SEL/EGAP ROUTE: LIMCKSF001

DEP: LIMC/MXP 35R ELEV 768 FT COST INDEX: 250 TTL G/C DIST: 5162 NM  
 ARR: KSFO/SFO 28L ELEV 13 FT INIT ALT: FL340 TTL F/P DIST: 5271 NM  
 FUEL BIAS: 100.5% TTL AIR DIST: 5659 NM  
 AVG WIND CMP: HD033 KT

ALT: KOAK/OAK 30 ELEV 9 FT 20 NM

CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM	ZFW	TOW	LDW
STANDARD	156146	266	0	25004	5245 TOW	MAX 209106	280148	223167
						PLN 181150	274903	193947
						ACT .....	.....	.....

\*\* TAKE-OFF DATA LIMC 35R \*\*

COND: 274903 KG // RWY DRY // +23°C Q1010 CALM // LMT: OBS(B)  
 CONFIG: FLAPS 5 // D-T01 +34C // A/I OFF/AUTO // A/C ON  
 SPEEDS: V1=157 VR=161 V2=166  
 ENG OUT: AT 5 DME 'MAL' 111.2 LT TO 'NOV' 292 (325 INBD,RT)

	FUEL	CORR	ENDUR	
TRIP	80956	.....	11:41	
CONT 5%	4048	.....	00:41	
ALTN KOAK	1116	.....	00:08	
FINAL RESV	2976	.....	00:30	
HOLD	1984	.....	00:20	
ADD FUEL	1185	.....	00:12	
MIN T/O	92265	.....	13:32	.....
EXTRA	1488	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	832	.....	00:16	
RELEASE	94585	.....	14:03	I ACCEPT THIS OFFP AND I AM FAMILIAR
ARR FUEL	12589	.....	02:02	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 6733 KG LIM BY ENRTE  
 TRIP CORR FOR 5000 KG TOW INCR: +1229 KG / 5000 KG TOW DECR: -1170 KG  
 2000 FT LOWER: +1504 KG / EET 11:37 CLB: 250/310/84 DES: 84/320/250

LIMC STD 18:55Z/20:55L ETD 18:55Z ACT OFBL .... EST T/O 19:11Z ACT T/O ....  
 KSFO STA 05:50Z/22:50L ETA 06:56Z ACT ONBL .... EST LDG 06:52Z ACT LDG ....  
 SKD 10:55 PLN 12:01 TTL BLCK .... EST FLT 11:41 TTL FLT ....

ATC ROUTE: N0493F340 BLA7F AOSTA UM729 MOLUS DCT UNKIR UM729 DJL UH37 LAULY  
 UM733 KOPOR UY376 VESAN UL613 SANDY UN601 LESTA UP6 RODOL UM65 TENSO  
 L603 REMSI DCT GOMUP/M084F360 DCT 60N020W 62N030W 64N040W 64N050W  
 DCT EMBOK/N0496F360 N888A TEFFO/N0493F380 DCT DUGNO DCT YQD J530 GTF  
 J7 REO DCT FIMUV DCT LEGGS BDEGA3

ALTERNATE PLANNING

ALTN/RWY	DIST	ALT/FL	MSA	COMP	TIME	FUEL	DIFF	ROUTE
KOAK/30	20	3000	061	TL002	00:08	1116	-	SFO DCT OAK

MOST CRITICAL MORA 17700 FT AT MC504

AWY -FIR	WAYPOINT NAME	MT	ALT	MSA ISA	FREQ WIND/SPD	TAS GS	LEG REM	FUEL REM / USED POSITION	LEG ETO / ATO	ACC
-LIMM	LIMC/35R MALPENSA		768	121				93.8 / 0.8 N4537.0 E00844.3	...../.....	
BLA7F	BLA BIELLA	252	*CLB	121	116.10 M00 319/012		30 5241	91.1 / 3.5 N4529.7 E00806.0	07 00.07 ...../.....	
BLA7F	MC512	230	*CLB	121	M01 300/011		5 5236	90.8 / 3.8 N4526.6 E00800.4	01 00.08 ...../.....	
BLA7F	MC504	230	*CLB	177	M02 271/014		12 5224	90.3 / 4.2 N4519.3 E00746.9	01 00.09 ...../.....	
BLA7F	MC506	306	*CLB	177	M01 288/023		14 5210	89.8 / 4.8 N4528.2 E00731.1	02 00.11 ...../.....	
BLA7F	AOSTA	338	*CLB	177	P03 296/030		21 5189	89.2 / 5.4 N4547.8 E00720.8	03 00.14 ...../.....	
UM729 -LSAC	*BDRY	322	*CLB	177	P06 299/032		8 5181	89.0 / 5.6 N4554.1 E00714.3	01 00.15 ...../.....	
UM729	*TOC	322	FL340	177	P06 299/033	493 464	1 5180	88.9 / 5.7 N4554.8 E00713.6	00 00.15 ...../.....	
UM729 -LSAS	ORSUD	322	FL340	177	P06 301/033	495 465	3 5177	88.9 / 5.7 N4557.5 E00710.9	01 00.16 ...../.....	
UM729 -LFFF	*BDRY	322	FL340	177	P06 306/033	495 464	24 5153	88.5 / 6.1 N4616.9 E00650.9	03 00.19 ...../.....	
UM729 -LSAC	MOLUS	322	FL340	130	P06 309/034	495 462	12 5141	88.3 / 6.3 N4626.6 E00640.8	01 00.20 ...../.....	
DCT -LFFF	*BDRY	298	FL340	130	P06 316/038	495 461	23 5118	87.9 / 6.7 N4638.1 E00611.6	03 00.23 ...../.....	
DCT	UNKIR	298	FL340	130	P05 320/044	495 457	22 5096	87.5 / 7.1 N4648.9 E00543.6	03 00.26 ...../.....	
UM729	DJL DIJON LONGVIC	315	FL340	081	111.45 P05 324/050	495 447	38 5058	86.9 / 7.7 N4716.3 E00505.8	05 00.31 ...../.....	
	LFPG	312	FL340	044	P01 283/054		47 5011	86.0 / 8.5 N4748.4 E00415.8	07 00.38 ...../.....	
UH37	TUNOR	312	FL340	044	P04 331/061	494 436	7 5005	85.9 / 8.7 N4753.0 E00408.5	01 00.39 ...../.....	
UH37	LAULY	312	FL340	044	P03 333/066	494 435	24 4980	85.5 / 9.1 N4809.4 E00342.1	03 00.42 ...../.....	
UM733	BRY BRAY SUR SEINE	312	FL340	024	114.10 P02 335/072	494 431	22 4958	85.1 / 9.5 N4824.4 E00317.7	03 00.45 ...../.....	
UM733	CLM COULOMMIERS	336	FL340	024	112.90 P02 336/075	493 418	29 4930	84.6 / 10.0 N4850.7 E00300.8	04 00.49 ...../.....	
UM733	UTELA	329	FL340	024	P02 337/076	493 418	4 4926	84.5 / 10.1 N4854.4 E00257.6	01 00.50 ...../.....	

UM733	KOPOR	329	FL340	023		493	42	83.7 / 10.9	06	00.56
					P01	338/076	418 4883	N4930.9 E00225.3	...../.....	
UY376	SOMIL	343	FL340	023		493	16	83.4 / 11.2	02	00.58
					P01	338/076	417 4867	N4946.2 E00218.3	...../.....	
UY376	NITAR	343	FL340	023		492	9	83.2 / 11.4	01	00.59
					P01	338/076	416 4858	N4955.2 E00214.2	...../.....	
	EGLL	343	FL340	028			25	82.7 / 11.8	04	01.03
					P01	285/033	4833	N5019.1 E00203.1	...../.....	
UY376	VESAN	343	FL340	028		492	3	82.7 / 11.9	00	01.03
					P01	339/076	416 4829	N5022.3 E00201.6	...../.....	
UL613	RATUK	319	FL340	028		492	23	82.3 / 12.3	04	01.07
					P01	339/072	420 4807	N5039.4 E00138.2	...../.....	
UL613	SOVAT	318	FL340	021		492	10	82.1 / 12.5	01	01.08
-EGTT					P00	339/071	423 4797	N5046.8 E00128.0	...../.....	
	EGCC	318	FL340	021			12	81.9 / 12.7	02	01.10
					P01	278/028	4785	N5055.8 E00115.4	...../.....	
UL613	SANDY	318	FL340	024		492	11	81.7 / 12.9	01	01.11
					P00	339/068	424 4774	N5103.9 E00104.1	...../.....	
UN601	DET	309	FL340	024	117.30	491	23	81.3 / 13.3	03	01.14
	DETLING				P00	338/064	430 4751	N5118.2 E00035.8	...../.....	
UN601	BPK	316	FL340	024	117.50	491	38	80.6 / 14.0	06	01.20
	BROOKMANS PARK				P00	338/056	436 4714	N5145.0 W00006.4	...../.....	
UN601	POTON	330	FL340	026		491	23	80.2 / 14.4	03	01.23
					P00	339/052	435 4690	N5205.1 W00025.6	...../.....	
UN601	BEDFO	330	FL340	026		491	10	80.0 / 14.6	01	01.24
					P00	340/050	440 4681	N5213.5 W00033.8	...../.....	
UN601	EBOTO	330	FL340	026		491	9	79.8 / 14.7	02	01.26
					P00	341/048	442 4671	N5221.6 W00041.7	...../.....	
UN601	PIPIN	330	FL340	026		491	18	79.5 / 15.0	02	01.28
					P00	343/045	444 4654	N5236.6 W00056.5	...../.....	
UN601	LESTA	330	FL340	026		491	9	79.4 / 15.2	01	01.29
					P00	343/043	447 4644	N5244.5 W00104.3	...../.....	
UP6	TUMTI	317	FL340	036		491	28	78.9 / 15.7	04	01.33
					P00	343/036	457 4616	N5304.7 W00136.3	...../.....	
UP6	RODOL	317	FL340	036		490	13	78.7 / 15.9	02	01.35
					P00	342/032	458 4603	N5314.3 W00151.7	...../.....	
UM65	TENSO	332	FL340	036		490	25	78.3 / 16.3	03	01.38
					P00	341/027	463 4578	N5336.0 W00212.5	...../.....	
	EGAA	292	FL340	047			38	77.7 / 16.9	05	01.43
					P01	292/004	4540	N5349.6 W00312.4	...../.....	
L603	BELOX	292	FL340	047		490	11	77.5 / 17.1	01	01.44
					P01	327/011	477 4529	N5353.3 W00329.4	...../.....	

L603 REMSI 292 FL340 047 490 13 77.3 / 17.3 02 01.46  
P01 311/007 481 4517 N5357.6 W00349.5 ...../.....

DCT \*BDRY 315 FL340 047 490 80 76.1 / 18.5 09 01.55  
-EGPX P02 192/013 492 4437 N5451.9 W00530.2 ...../.....

----- 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 GOMUP 315 \*CLB 041 199 73.2 / 21.4 24 02.19  
-EGGX P02 176/051 4238 N5700.0 W01000.0 ...../.....

BIKF 309 FL360 010 213 70.1 / 24.5 25 02.44  
P12 291/051 4025 N5851.7 W01540.9 ...../.....

DCT 6020N 307 FL360 010 499 149 67.9 / 26.7 19 03.03  
60N020W P14 273/036 465 3877 N6000.0 W02000.0 ...../.....

DCT \*BDRY 307 FL360 010 500 143 65.6 / 29.0 18 03.21  
-BIRD P14 279/050 451 3734 N6100.1 W02423.5 ...../.....

DCT 6230N 306 FL360 010 500 172 62.9 / 31.7 24 03.45  
62N030W P13 278/062 440 3562 N6200.0 W03000.0 ...../.....

DCT \*BDRY 315 FL360 010 30 254 58.8 / 35.8 34 04.19  
-BGGL P11 268/053 27 3307 N6345.4 W03828.4 ...../.....

BGSF 312 FL360 010 0 58.8 / 35.8 00 04.19  
P08 255/058 3307 N6345.5 W03829.0 ...../.....

DCT 6440N 312 FL360 011 498 43 58.1 / 36.4 06 04.25  
64N040W P10 265/053 448 3264 N6400.0 W04000.0 ...../.....

DCT 6450N 297 FL360 108 496 263 54.0 / 40.6 35 05.00  
64N050W P09 253/046 450 3001 N6400.0 W05000.0 ...../.....

DCT \*BDRY 291 FL360 075 496 164 51.5 / 43.1 22 05.22  
-CZQX P09 251/037 458 2837 N6338.0 W05607.5 ...../.....

DCT EMBOK 286 FL360 010 496 51 50.7 / 43.8 07 05.29  
P08 253/035 460 2786 N6328.0 W05800.0 ...../.....

CYFB 288 FL360 010 16 50.5 / 44.1 02 05.31  
P08 261/029 2770 N6325.4 W05834.7 ...../.....

N888A BERUS 287 FL360 032 495 122 48.7 / 45.9 16 05.47  
-CZUL P07 260/032 463 2647 N6300.0 W06300.0 ...../.....

N888A TEFFO 292 \*CLB 045 110 47.1 / 47.5 14 06.01  
P06 264/030 2537 N6248.0 W06700.0 ...../.....

DCT DUGNO 283 FL380 045 493 391 41.6 / 53.0 49 06.50  
-CZWG P08 278/009 485 2146 N6039.7 W08000.0 ...../.....

CYYQ 267 FL380 024 46 40.9 / 53.6 06 06.56  
P09 320/016 2100 N6022.4 W08127.5 ...../.....

CYWG 264 FL380 025 668 32.0 / 62.6 0124 08.20

				P01 278/065	1432	N5444.1	W09926.9	...../.....
DCT	<b>YQD</b>	228	FL380	030 <b>113.60</b>	487	75	30.9 / 63.7	10 08.30
	THE PAS			M02 279/078	433	1357	N5358.4	W10106.0 ...../.....
J530	<b>YOUNG</b>	224	FL380	041	486	193	28.0 / 66.6	27 08.57
				M03 261/066	430	1164	N5151.3	W10506.4 ...../.....
	<b>KGTF</b>	218	FL380	037		54	27.2 / 67.4	08 09.05
				M02 245/041		1110	N5114.1	W10610.1 ...../.....
J530	<b>YYN</b>	217	FL380	044 <b>117.40</b>	486	81	26.0 / 68.6	11 09.16
	SWIFT CURRENT			M03 242/052	435	1029	N5017.8	W10741.5 ...../.....
J530	<b>GGRBI</b>	212	FL380	060	488	104	24.6 / 70.0	14 09.30
	-KZLC			M01 214/038	449	925	N4900.0	W10927.5 ...../.....
J530	<b>GTF</b>	209	FL380	115 <b>115.10</b>	490	122	22.9 / 71.7	16 09.46
	GREAT FALLS			P02 188/031	462	803	N4727.0	W11124.7 ...../.....
J7	<b>LKT</b>	206	FL380	134 <b>113.50</b>	493	183	20.5 / 74.1	24 10.10
	SALMON			P05 209/024	469	620	N4501.3	W11405.1 ...../.....
	<b>KBOI</b>	214	FL380	142		11	20.3 / 74.3	01 10.11
				P04 213/027		609	N4453.7	W11416.4 ...../.....
J7	<b>BOI</b>	214	FL380	142 <b>113.30</b>	494	115	18.8 / 75.8	15 10.26
	BOISE			P04 236/033	461	493	N4333.2	W11611.5 ...../.....
J7	<b>REO</b>	219	FL380	107 <b>112.50</b>	494	94	17.5 / 77.0	13 10.39
	ROME			P05 245/046	452	400	N4235.4	W11752.1 ...../.....
DCT	<b>*BDRY</b>	200	FL380	120	494	120	15.9 / 78.7	15 10.54
	-KZOA			P04 257/059	452	280	N4054.2	W11918.4 ...../.....
	<b>KSFO</b>	199	FL380	114		36	15.4 / 79.2	05 10.59
				P04 259/053		244	N4023.8	W11943.4 ...../.....
DCT	<b>FIMUV</b>	198	FL380	130	494	41	14.9 / 79.7	06 11.05
				P03 263/074	445	203	N3949.1	W12011.3 ...../.....
DCT	<b>LEGGs</b>	222	FL380	130	494	51	14.1 / 80.4	07 11.12
				P03 263/077	424	152	N3920.2	W12105.8 ...../.....
BDEGA3	<b>*TOD</b>	217	FL380	095	494	40	13.6 / 81.0	06 11.18
				P03 264/081	425	112	N3854.2	W12145.4 ...../.....
BDEGA3	<b>PYLLE</b>	216	*DES	071		42	13.5 / 81.2	06 11.24
				P09 266/049		70	N3827.2	W12225.7 ...../.....
BDEGA3	<b>BGGLO</b>	216	*DES	071		21	13.4 / 81.3	04 11.28
				P09 273/029		49	N3813.5	W12246.1 ...../.....
BDEGA3	<b>LOZIT</b>	154	*DES	071		20	13.3 / 81.4	04 11.32
				P09 285/015		29	N3754.0	W12240.4 ...../.....
BDEGA3	<b>BDEGA</b>	127	*DES	061		6	13.2 / 81.5	01 11.33
				P09 291/013		23	N3749.4	W12235.5 ...../.....
BDEGA3	<b>CORKK</b>	127	*DES	061		7	13.2 / 81.5	02 11.35
				P10 299/010		16	N3744.0	W12229.9 ...../.....
BDEGA3	<b>BRIXx</b>	127	*DES	061		9	13.1 / 81.6	03 11.38
				P08 299/008		7	N3737.1	W12222.5 ...../.....

BDEGA3 **KSFO/28L** 102 13 061  
SAN FRANCISCO INTL

7 12.8 / 81.8 03 11.41  
N3736.7 W12221.6 ...../.....

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WIND INFORMATION - OBS 08/SEP 06:00

<b>(CLIMB)</b>				<b>UNKIR</b>				<b>LAULY</b>				<b>SOMIL</b>			
FL330	284/027	-45		FL380	314/035	-48		FL380	331/045	-50		FL380	340/049	-52	
FL260	261/014	-39		FL360	317/039	-48		FL360	332/055	-50		FL360	339/062	-52	
FL190	316/010	-24		FL340	320/045	-47		FL340	333/067	-50		FL340	339/076	-51	
FL130	327/009	-11		FL320	320/043	-46		FL320	334/072	-47		FL320	340/078	-48	
6000	334/006	+4		FL300	320/041	-45		FL300	335/077	-44		FL300	340/080	-44	
<b>DET</b>				<b>LESTA</b>				<b>BELOX</b>				<b>6020N</b>			
FL380	346/052	-55		FL380	354/040	-57		FL380	333/016	-57		FL400	272/032	-44	
FL360	342/058	-54		FL360	349/041	-54		FL360	331/014	-55		FL380	272/034	-43	
FL340	339/065	-52		FL340	344/043	-52		FL340	328/011	-51		FL360	274/037	-43	
FL320	341/063	-48		FL320	347/042	-48		FL320	334/007	-47		FL340	275/040	-42	
FL300	343/062	-43		FL300	349/040	-43		FL300	356/004	-42		FL320	275/040	-42	
<b>6230N</b>				<b>6440N</b>				<b>6450N</b>				<b>EMBOK</b>			
FL400	276/052	-44		FL400	261/045	-45		FL400	254/042	-46		FL400	251/034	-46	
FL380	277/056	-43		FL380	262/048	-45		FL380	255/044	-46		FL380	252/036	-46	
FL360	278/062	-43		FL360	266/053	-46		FL360	253/046	-48		FL360	253/036	-48	
FL340	280/069	-43		FL340	269/059	-47		FL340	252/049	-50		FL340	255/036	-50	
FL320	281/065	-43		FL320	271/060	-46		FL320	254/046	-49		FL320	257/035	-50	
<b>BERUS</b>				<b>DUGNO</b>				<b>YQD</b>				<b>YOUNG</b>			
FL400	256/028	-46		FL420	294/011	-47		FL420	282/056	-56		FL420	262/050	-59	
FL380	258/031	-47		FL400	289/010	-47		FL400	280/069	-58		FL400	262/060	-60	
FL360	261/032	-49		FL380	279/010	-48		FL380	279/078	-58		FL380	262/066	-60	
FL340	264/034	-51		FL360	258/009	-52		FL360	280/078	-55		FL360	262/065	-55	
FL320	266/034	-51		FL340	236/010	-55		FL340	281/077	-53		FL340	262/063	-50	
<b>YYN</b>				<b>GGRBI</b>				<b>GTF</b>				<b>LKT</b>			
FL420	245/044	-59		FL420	226/034	-58		FL420	215/028	-56		FL420	220/030	-53	
FL400	244/050	-60		FL400	219/037	-59		FL400	200/029	-56		FL400	217/028	-52	
FL380	243/052	-59		FL380	215/039	-58		FL380	188/031	-55		FL380	210/024	-52	
FL360	240/048	-54		FL360	213/038	-53		FL360	183/033	-52		FL360	191/020	-51	
FL340	237/043	-49		FL340	212/036	-49		FL340	177/035	-49		FL340	165/019	-50	
<b>BOI</b>				<b>FIMUV</b>				<b>(DESCENT)</b>							
FL420	235/035	-53		FL420	258/061	-55		FL370	277/071	-51					
FL400	236/035	-53		FL400	261/068	-54		FL290	285/062	-35					
FL380	236/034	-52		FL380	264/075	-53		FL220	292/054	-19					
FL360	237/031	-51		FL360	264/078	-51		14000	300/032	-2					
FL340	238/027	-49		FL340	264/083	-48		7000	317/010	+9					

END FLIGHTPLAN 03421 TCC314C PJTGE LIMC-KSFO 08SEP2019

[ATC FLIGHTPLAN]

(FPL-TCC314C-IS  
-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2  
-LIMC1855  
-N0493F340 AOSTA UM729 MOLUS DCT UNKIR UM729 DJL UH37 LAULY  
UM733 KOPOR UY376 VESAN UL613 SANDY UN601 LESTA UP6 RODOL UM65  
TENSO L603 REMSI DCT GOMUP/M084F360 DCT 60N020W 62N030W 64N040W  
64N050W DCT EMBOK/N0496F360 N888A TEFFO/N0493F380 DCT DUGNO DCT  
YQD J530 GTF J7 REO DCT FIMUV DCT LEGGS BDEGA3  
-KSF01141 KOAK  
-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/190908 REG/PJTGE  
EET/LIMM0008 LSAC0015 LFFF0019 LSAC0020 LFFF0023 EGTT0108  
EGPX0155 EGGX0219 60N020W0303 BIRD0321 62N030W0345 BGGL0419  
64N040W0425 64N050W0500 CZQX0522 CZUL0547 CZWG0650 KZLC0930  
KZOA1054  
SEL/EGAP CODE/484DC7 RVR/75 OPR/TRADEWIND CARIBBEAN  
ORGN/TNCCTCAP PER/C  
RMK/TCAS  
-E/1347)

[PLANNING WEATHER]

**ORIGIN: LIMC/MXP (MALPENSA, ITALY) UTC +02:00**

LIMC 081420Z VRB04KT 9999 BKN050 23/11 Q1010 NOSIG  
LIMC 081100Z 0812/0918 VRB05KT 9999 SCT040

**DESTINATION: KSFO/SFO (SAN FRANCISCO INTL, UNITED STATES) UTC -07:00**

KSFO 081443Z 30010KT 10SM FEW007 SCT011 BKN014 15/13 A3000 RMK A02 PK WND  
27026/1409 T01500128  
KSFO 081229Z 0812/0918 27025KT P6SM FEW010  
FM081500 27012KT P6SM FEW020  
FM082100 27018G25KT P6SM FEW020  
FM090400 27012KT P6SM FEW015

**ALTERNATE: KOAK/OAK (METRO OAKLAND INTL, UNITED STATES) UTC -07:00**

KOAK 081353Z 26009KT 10SM SCT008 16/13 A3000 RMK A02 SLP156 T01610133  
KOAK 081140Z 0812/0918 27010KT P6SM FEW010  
FM081800 26006KT P6SM SKC  
FM082100 27015G22KT P6SM SKC  
FM090400 27010KT P6SM FEW010

**ADEQUATE: LFPG/CDG (CHARLES-DE-GAULLE, FRANCE) UTC +02:00**

LFPG 081430Z 33009KT 9999 FEW043 SCT073 16/07 Q1020 NOSIG  
LFPG 081100Z 0812/0918 35010KT 9999 SCT030 SCT060 TX19/0814Z TN08/0905Z  
PROB40 TEMPO 0812/0815 35010G20KT 4000 -SHRA BKN035TCU  
BECMG 0900/0902 VRB03KT CAVOK  
BECMG 0910/0912 20010KT

**ADEQUATE: EGLL/LHR (HEATHROW, UNITED KINGDOM) UTC +01:00**

EGLL 081420Z AUTO VRB03KT 9999 NCD 17/03 Q1022 NOSIG  
EGLL 081101Z 0812/0918 34006KT 9999 FEW040  
BECMG 0905/0908 19010KT  
TEMPO 0908/0918 7000 RA BKN012  
PROB30 TEMPO 0915/0918 4000 +SHRA BKN008 BKN020CB

**ADEQUATE: EGCC/MAN (MANCHESTER, UNITED KINGDOM) UTC +01:00**

EGCC 081420Z 30006KT 220V340 9999 FEW034 SCT048 16/09 Q1022  
EGCC 081059Z 0812/0918 25004KT 9999 SCT035  
BECMG 0904/0907 16010KT  
TEMPO 0904/0913 6000 RA BKN012  
PROB30 TEMPO 0905/0912 3000 RADZ +RA BKN008  
BECMG 0913/0916 26005KT  
PROB30 TEMPO 0913/0918 7000 SHRA BKN014

**ADEQUATE: EGAA/BFS (ALDERGROVE, UNITED KINGDOM)**

**UTC +01:00**

EGAA 081420Z 20006KT 170V240 9999 SCT015 BKN019 17/13 Q1020  
EGAA 081054Z 0812/0912 23008KT 9999 FEW014 BKN030  
PROB30 TEMPO 0812/0818 BKN014  
TEMPO 0818/0823 -RA SCT008 BKN014  
PROB30 TEMPO 0820/0823 6000 RADZ BKN008  
BECMG 0823/0902 5000 RA RADZ FEW004 BKN006  
PROB30 TEMPO 0900/0904 3000 +RA BKN004  
BECMG 0903/0906 32010KT 9999 NSW SCT010 BKN020

**ADEQUATE: BIKF/KEF (KEFLAVIK, ICELAND)**

**UTC +00:00**

BIKF 081430Z 21012KT 9999 FEW025 SCT031 11/07 Q0996  
BIKF 081303Z 0815/0915 18015KT 9999 FEW020 BKN035 TX12/0915Z TN05/0906Z  
TEMPO 0815/0915 2500 SHRA BKN015  
BECMG 0820/0823 22005KT

**ADEQUATE: BGSF/SFJ (KANGERLUSSUAQ, GREENLAND)**

**UTC -02:00**

BGSF 081350Z AUTO 08007KT 9999NDV BKN033/// BKN065/// 05/02 Q1012  
BGSF 080458Z 0806/0819 12005KT 9999 SCT020 BKN040  
TEMPO 0806/0819 -RA BKN020

**ADEQUATE: CYFB/YFB (IQALUIT, CANADA)**

**UTC -04:00**

CYFB 081400Z 30006KT 30SM FEW022 BKN036 04/M01 A2997 RMK SC2SC4 SH DIST S  
SLP151  
CYFB 081138Z 0812/0912 30008KT P6SM BKN030  
TEMPO 0812/0908 SCT030  
FM090800 32010KT P6SM BKN020  
TEMPO 0908/0912 SCT020  
RMK NXT FCST BY 081800Z

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

**UTC -05:00**

CYYQ 081400Z 07007KT 15SM BKN070 07/05 A3014 RMK AC7 SLP208  
CYYQ 081138Z 0812/0912 07006KT P6SM FEW010  
TEMPO 0812/0816 BKN008  
PROB30 0812/0816 1SM BR BKN002  
FM081600 36015KT P6SM FEW008 BKN020  
TEMPO 0816/0822 4SM -SHRA BR  
FM082200 01015KT P6SM BKN012  
TEMPO 0822/0912 SCT012  
BECMG 0906/0908 33008KT  
RMK NXT FCST BY 081800Z

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

**UTC -05:00**

CYWG 081400Z 15005KT 15SM FEW050 FEW150 FEW250 10/07 A3021 RMK SC1AC1CI1  
SC TR AC TR CI TR SLP239  
CYWG 081138Z 0812/0912 VRB03KT P6SM FEW006  
TEMPO 0812/0815 2SM BR  
PROB40 0812/0815 1/4SM FG VV002  
FM081600 15006KT P6SM SCT025  
FM082200 17008KT P6SM SCT040  
BECMG 0902/0904 10008KT  
RMK NXT FCST BY 081800Z

**ADEQUATE: KGTF/GTF (GREAT FALLS INTL, UNITED STATES)**

**UTC -06:00**

KGTF 081413Z 07006KT M1/4SM BR OVC002 08/08 A2992 RMK A02 SFC VIS 1 1/2  
VIS 1/2V5 T00830083 \$  
KGTF 081401Z 0814/0912 09009KT 3SM BR SCT001 BKN250  
TEMPO 0814/0817 1/2SM FG VV001  
FM081700 07008KT P6SM SCT080 BKN250  
FM090400 05010KT P6SM -SHRA SCT050 OVC070  
FM090900 05007KT 6SM -RA SCT017 OVC050

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

**UTC -06:00**

KBOI 081353Z 14007KT 10SM -RA OVC080 17/13 A2986 RMK A02 SLP086 P0004  
T01670133 \$  
KBOI 081124Z 0812/0912 14012G20KT 4SM RA BR BKN060 OVC080  
FM081300 14008KT P6SM -SHRA OVC050  
FM082000 30012G20KT P6SM -SHRA BKN035  
FM090000 31008KT P6SM BKN070

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/2 TRACKS FLS 310/390 INCLUSIVE  
SEP 08/1130Z TO SEP 08/1900Z  
PART ONE OF TWO PARTS-

A BALIX 61/20 62/30 61/40 59/50 AVUTI  
EAST LVLS NIL  
WEST LVLS 310 320 330 350 360 370  
EUR RTS WEST NIL  
NAR NIL-

B ERAKA 60/20 61/30 60/40 58/50 CUDDY  
EAST LVLS NIL  
WEST LVLS 310 320 330 350 360 370  
EUR RTS WEST NIL  
NAR NIL-

C GOMUP 59/20 60/30 59/40 57/50 HOIST  
EAST LVLS NIL  
WEST LVLS 310 320 330 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

D SUNOT 58/20 59/30 58/40 56/50 JANJO  
EAST LVLS NIL  
WEST LVLS 310 320 330 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

E BEDRA 48/20 46/30 45/40 43/50 JEBBY CARAC  
EAST LVLS NIL  
WEST LVLS 310 320 330 350 360 370 390  
EUR RTS WEST NIL  
NAR NIL-

F OMOKO 48/15 47/20 45/30 44/40 42/50 42/60 DOVEY  
EAST LVLS NIL  
WEST LVLS 310 320 330 350 360 370 390  
EUR RTS WEST NIL  
NAR NIL-

G ETIKI 47/15 46/20 44/30 43/40 41/50 41/60 JOBOC  
EAST LVLS NIL  
WEST LVLS 310 320 330 350 360 370 390  
EUR RTS WEST REGHI  
NAR NIL-

H 42/40 40/50 SOORY  
EAST LVLS NIL  
WEST LVLS 320 340 360 380  
EUR RTS WEST  
NAR NIL-

J 40/40 40/50 40/60 SLATN  
EAST LVLS NIL  
WEST LVLS 330 350 370  
EUR RTS WEST  
NAR NIL-

END OF PART ONE OF TWO PARTS)

(NAT-2/2 TRACKS FLS 310/390 INCLUSIVE  
SEP 08/1130Z TO SEP 08/1900Z  
PART TWO OF TWO PARTS-

K 39/40 37/50 34/60  
EAST LVLS NIL  
WEST LVLS 320 340 360 380  
EUR RTS WEST  
NAR NIL-

REMARKS.

1. TMI IS 251 AND OPERATORS ARE REMINDED TO INCLUDE THE TMI NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
2. FOR WESTBOUND TRACK QUERIES CONTACT EGGX ON +44 01294 655141.
3. ALL ADSC CPDLC EQUIPPED FLIGHTS NOT LOGGED ON TO A DOMESTIC ATSU PRIOR TO ENTERING THE SHANWICK OCA MUST INITIATE A FANS LOGON TO EGGX BETWEEN 10 AND 25 MINUTES PRIOR TO OCA ENTRY. FAILURE TO DO SO MAY RESULT IN A LATE RE-CLEARANCE.
4. OPERATORS ARE REMINDED THAT ADS-C AND CPDLC IS MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
5. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS  
NO ASSIGNED PBCS TRACKS  
END OF PBCS OTS
6. FOR STRATEGIC LATERAL OFFSET AND CONTINGENCY PROCEDURES FOR OPS IN NAT FLOW REFER TO NAT PROGRAMME COORDINATION WEBSITE  
WWW.PARIS.ICAO.INT.  
SLOP SHOULD BE STANDARD PROCEDURE, NOT JUST FOR AVOIDING WX/TURB.
7. 80 PERCENT OF GROSS NAVIGATION ERRORS RESULT FROM POOR COCKPIT PROCEDURES. CONDUCT EFFECTIVE WAYPOINT CHECKS.
8. OPERATORS ARE REMINDED THAT CLEARANCES MAY DIFFER FROM THE FLIGHT PLAN, FLY THE CLEARANCE.
9. FLIGHTS REQUESTING WESTBOUND OCEANIC CLEARANCE VIA ORCA DATALINK SHALL INCLUDE IN RMK/ FIELD THE HIGHEST ACCEPTABLE FLIGHT LEVEL WHICH CAN  
BE MAINTAINED AT OAC ENTRY POINT.-

END OF PART TWO OF TWO PARTS)

(NAT-1/3 TRACKS FLS 320/400 INCLUSIVE  
SEP 09/0100Z TO SEP 09/0800Z  
PART ONE OF THREE PARTS-

S RIKAL 53/50 55/40 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 N505A N503A-

T TUDEP 52/50 54/40 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 N445A N441A-

U UMESI 5130/50 5330/40 5430/30 5430/20 VENER KOKIB  
EAST LVLS 350 360 370 380 390  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N417B N411B-

V ALLRY 51/50 53/40 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 N389B N379A-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 320/400 INCLUSIVE  
SEP 09/0100Z TO SEP 09/0800Z  
PART TWO OF THREE PARTS-

W ELSIR 50/50 52/40 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 N329B N321A-

X IBERG 4930/50 5130/40 5230/30 5230/20 TOBOR RILED  
EAST LVLS 350 360 370 380 390  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N301B N285A-

Y JOOPY 49/50 51/40 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 N269A N253A-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 320/400 INCLUSIVE  
SEP 09/0100Z TO SEP 09/0800Z  
PART THREE OF THREE PARTS-

Z NICS0 48/50 50/40 51/30 51/20 DINIM ELSEX  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N211E N193A-

REMARKS:

- 1.TMI IS 252 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  
TRACK W  
TRACK X  
TRACK Y  
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.

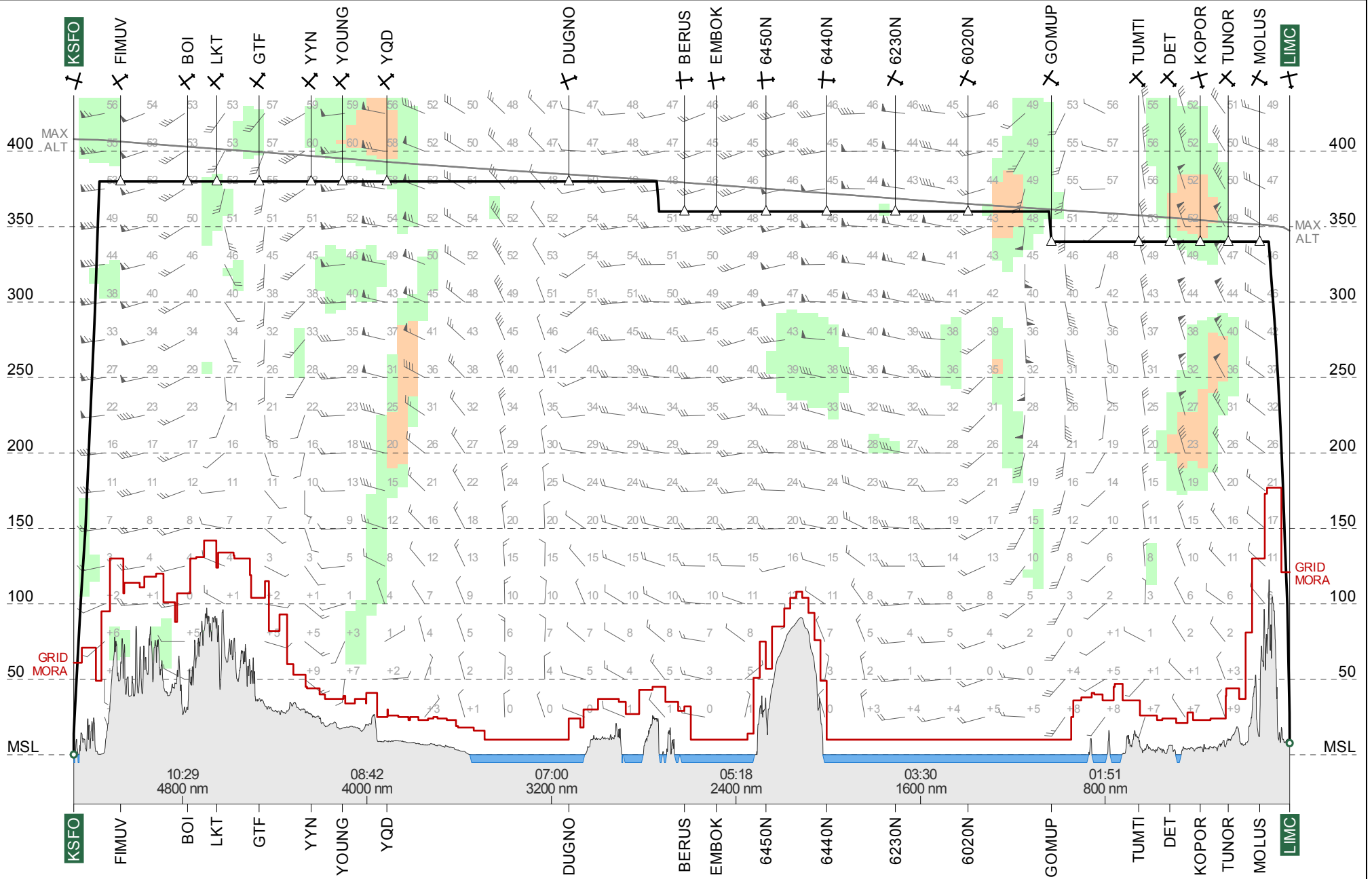
7.OPERATORS ARE REMINDED THAT EASTBOUND AIRCRAFT INTENDING TO  
OPERATE IN THE OTS ARE REQUIRED TO COMPLY WITH NAR FLIGHT  
PLANNING RULES AS DEFINED IN THE CANADA FLIGHT SUPPLEMENT  
OR WITH ROUTES AS CONTAINED IN THE DAILY BOSTON ADVISORY.-

END OF PART THREE OF THREE PARTS)

TR314C #1

KSFO ← — LIMC

ETD 08 Sep 18:55z  
PJTGE B77L

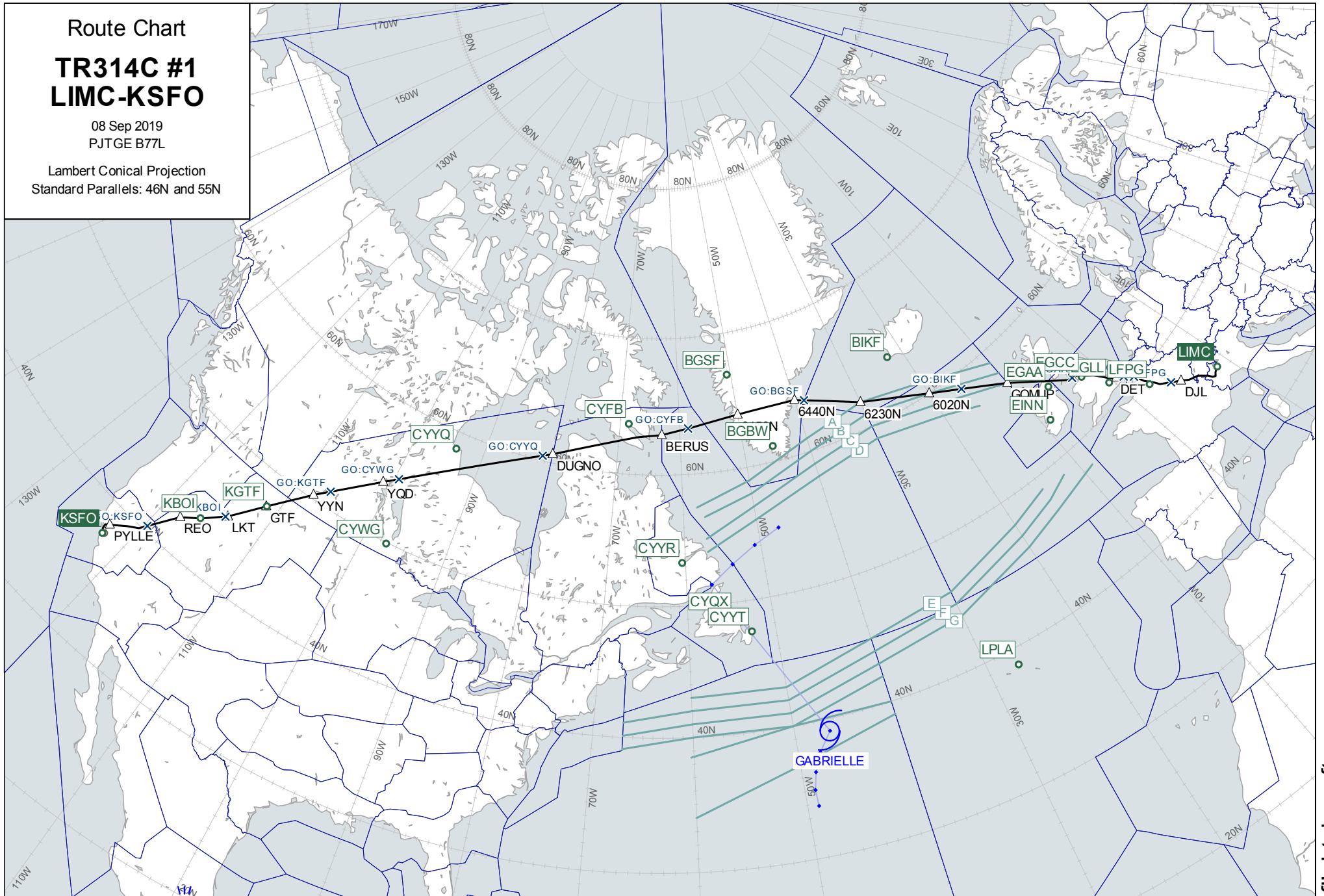


Route Chart

# TR314C #1 LIMC-KSFO

08 Sep 2019  
PJTGE B77L

Lambert Conical Projection  
Standard Parallels: 46N and 55N



# Wind Chart

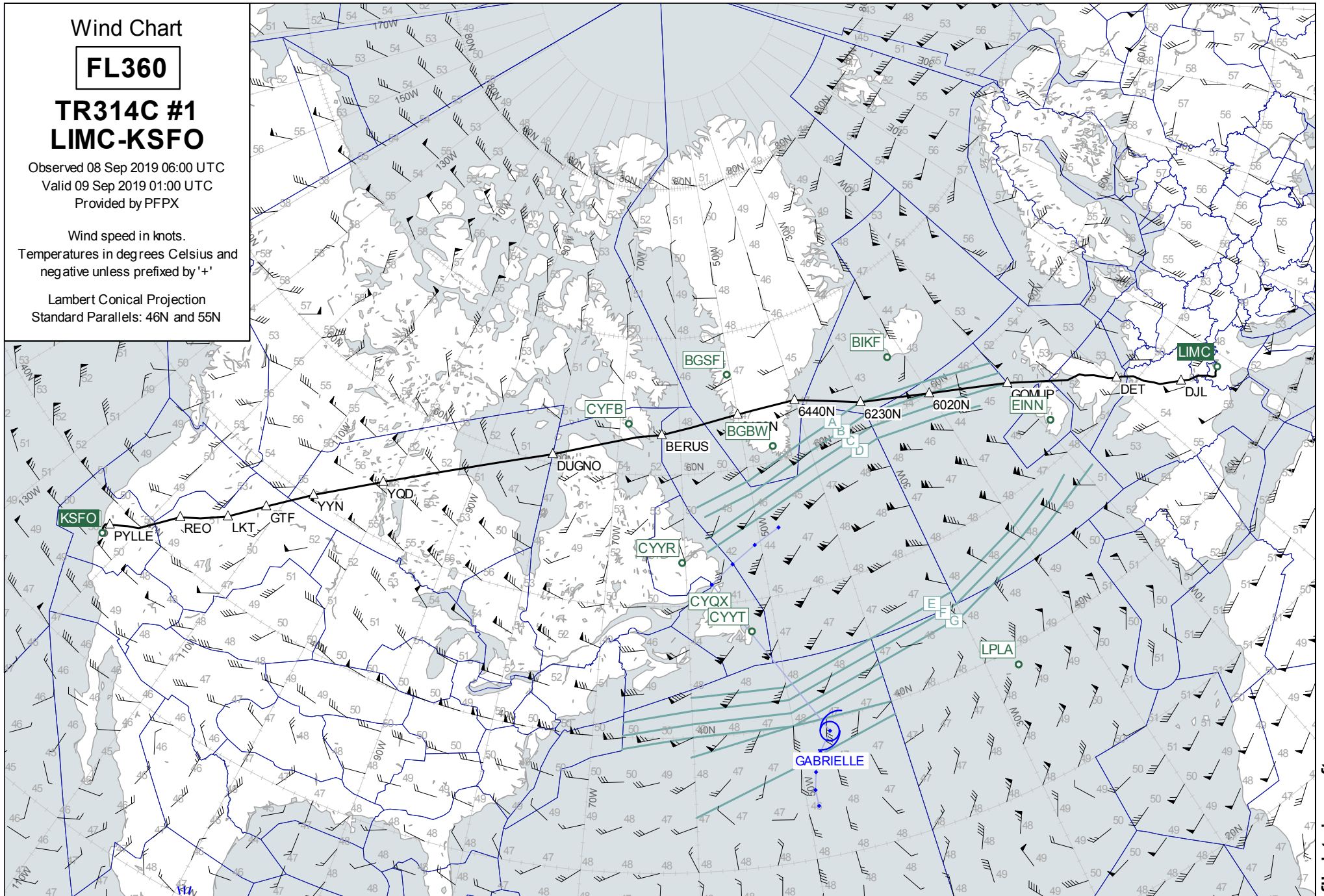
## FL360

### TR314C #1 LIMC-KSFO

Observed 08 Sep 2019 06:00 UTC  
Valid 09 Sep 2019 01:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 46N and 55N





# Wind Chart

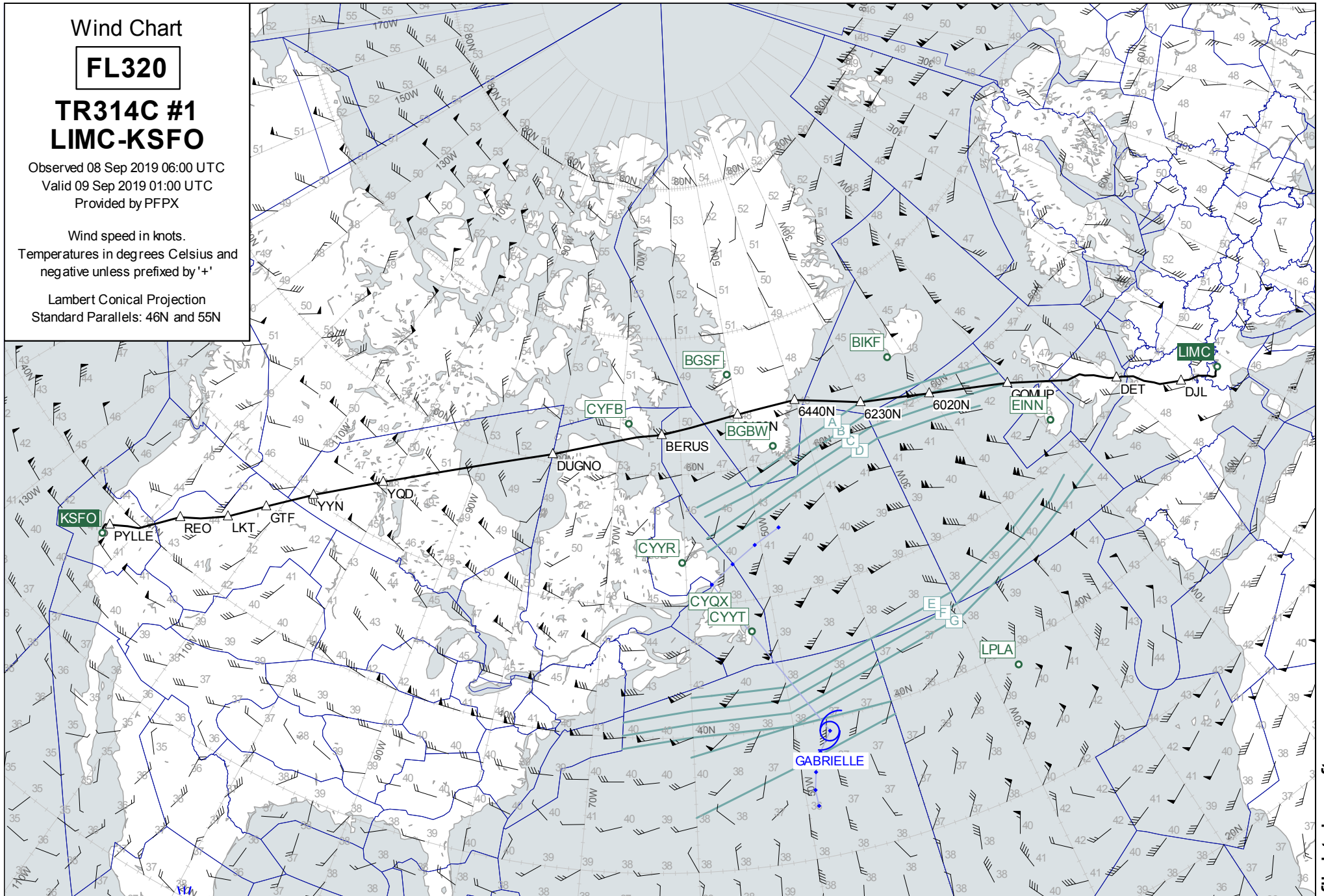
## FL320

### TR314C #1 LIMC-KSFO

Observed 08 Sep 2019 06:00 UTC  
Valid 09 Sep 2019 01:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 46N and 55N



# Wind Chart

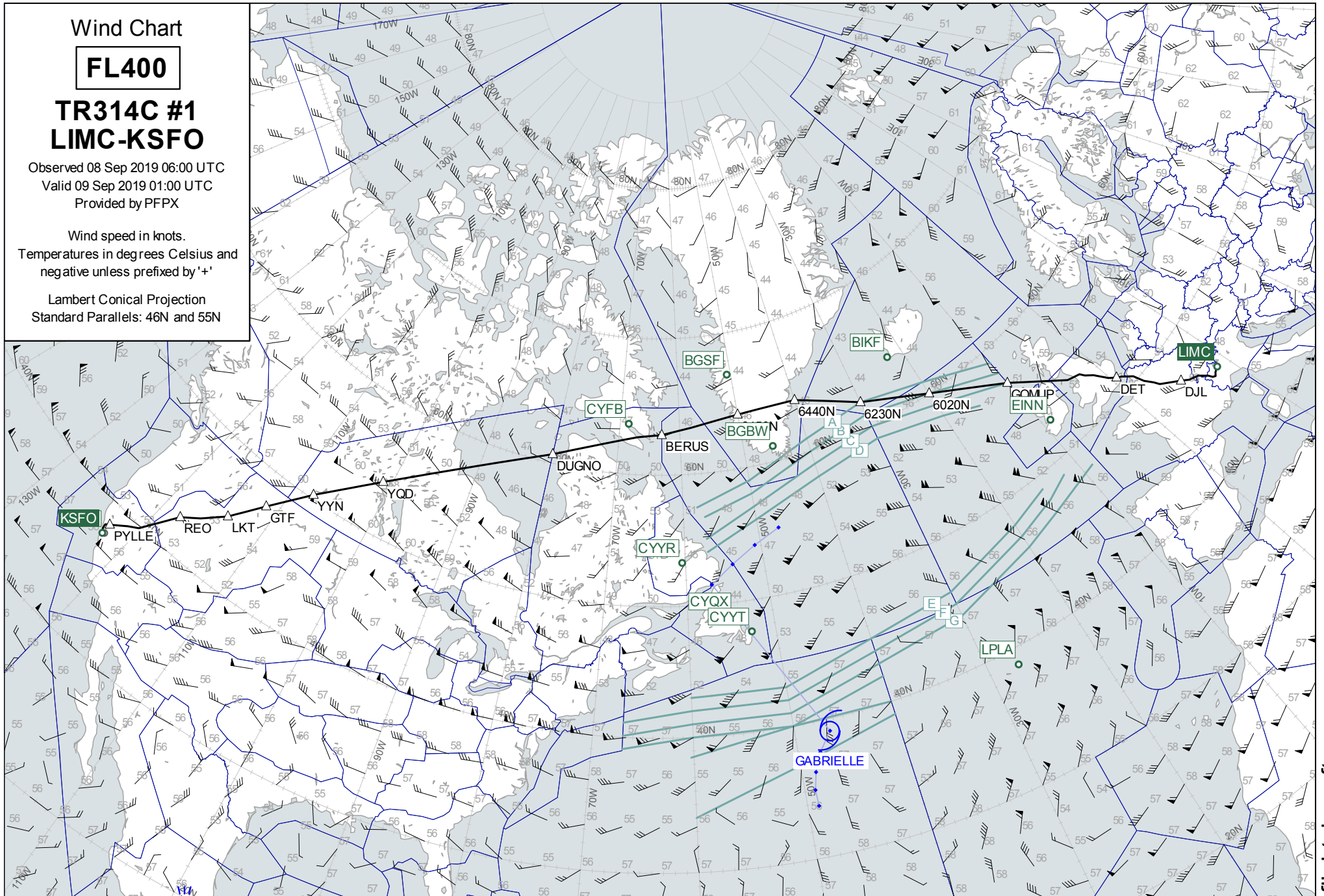
## FL400

### TR314C #1 LIMC-KSFO

Observed 08 Sep 2019 06:00 UTC  
Valid 09 Sep 2019 01:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 46N and 55N



Destination Area

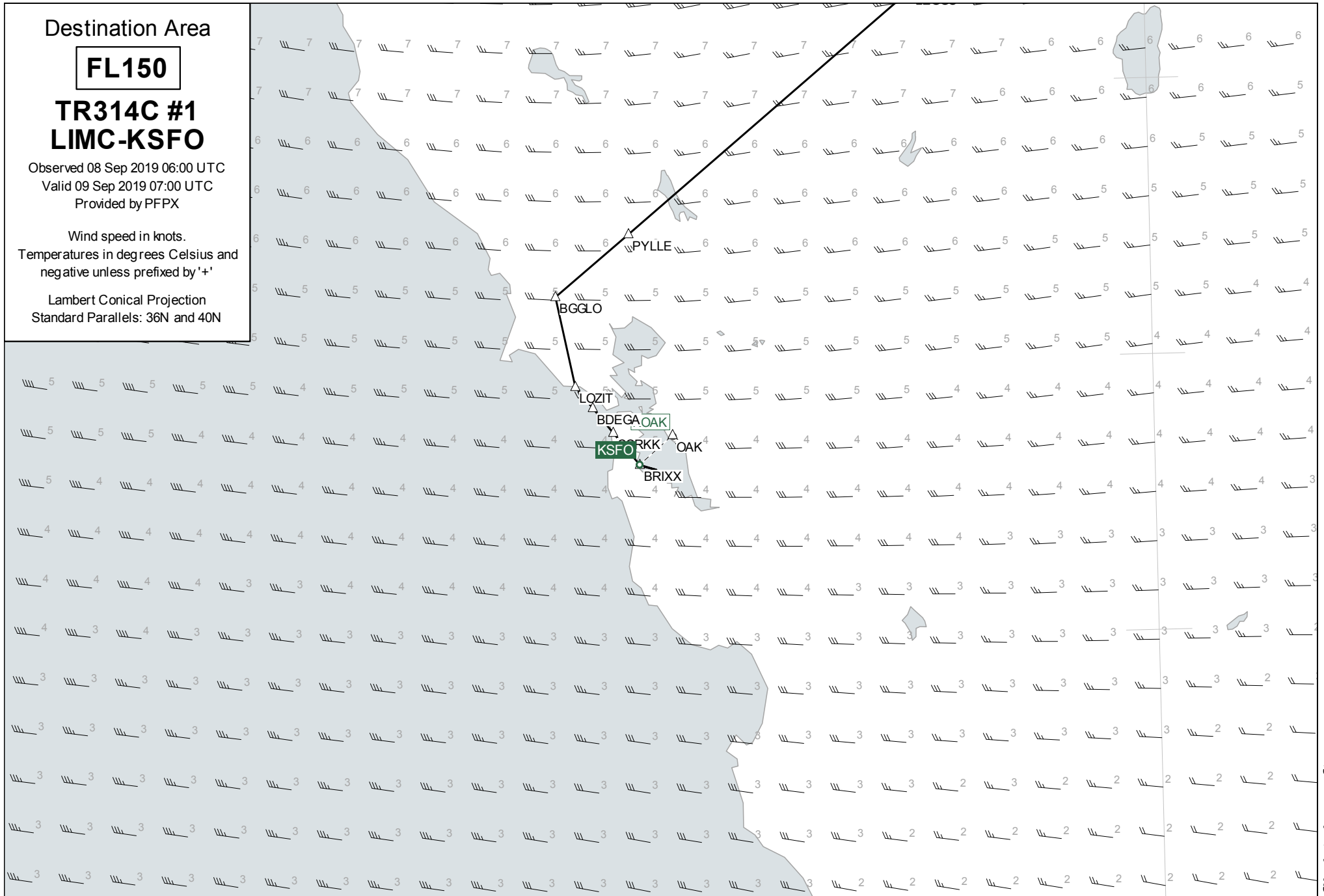
**FL150**

**TR314C #1**  
**LIMC-KSFO**

Observed 08 Sep 2019 06:00 UTC  
Valid 09 Sep 2019 07:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 36N and 40N





Plotting Chart

**TR314C #1**  
**LIMC-KSFO**

08 Sep 2019  
PJTGE B77L

Lambert Conical Projection  
Standard Parallels: 54N and 59N

