



Tradewind VA



Flight Briefing Package

TCC305D LEBL-KLAS

12-May-2019 #3

RELEASE #3

EL PRAT
(SPAIN)

-

MC CARRAN INTL
(UNITED STATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

12 MAY 1513 UTC

Fuel Planning (kg)	EU-OPS	Fuel	Time
TRIP		75.510	10:52
CONT 5%		3.776	00:38
HOLD	KLAS	2.005	00:20
ALTN	KVCV	3.322	00:30
FINAL RESV		2.997	00:30
ADD FUEL		1.193	00:12
MIN T/O		88.803	13:02
EXTRA		1.504	00:15
TAXI		468	00:18
RELEASE	LEBL	90.775	13:35
ARR FUEL	KLAS	14.485	02:13

Load Planning (kg)	FOHGG	Plan	Limit
Empty Weight		156.137	
Payload	289+0 Pax	27.166	
Zero Fuel Weight		183.303	209.106
Fuel		90.775	145.026
Ramp Weight		274.078	347.452
Take-Off Weight LEBL	Limit	273.610	279.417
Landing Weight KLAS		198.100	223.167
Underload		5.807	Lim TOW

Cost Planning		
Flight Time	10:52\$	60.992
Fuel	76.290\$	60.411
Total		\$ 121.403
Per Pax		\$ 420
Per 5.000 kg Payload		\$ 22.345

TRADEWIND PACIFIC FLIGHTPLAN - IFR TCC305D FOHGG LEBL-KLAS

 ALL WEIGHTS IN KILOGRAMS (KG) STD 12MAY/1840Z

OPF 3 - PREPARED 12MAY/1513Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR305D/TCC305D FOHGG/B777-2LR GE SEL/EGAE ROUTE: LEBLKLAS01

DEP: LEBL/BCN 25L ELEV 14 FT COST INDEX: 250 TTL G/C DIST: 5028 NM
 ARR: KLAS/LAS 26L ELEV 2181 FT INIT ALT: FL330 TTL F/P DIST: 5193 NM
FUEL BIAS: 100.0% TTL AIR DIST: 5234 NM
AVG WIND CMP: HD004 KT

ALT: KVCV/VCV 17 ELEV 2885 FT 160 NM

CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM	ZFW	TOW	LDW
STANDARD	156137	289	0	27166	5807 TOW	MAX 209106	279417	223167
						PLN 183303	273610	198100
						ACT .....	.....	.....

 ** TAKE-OFF DATA LEBL 25L **

COND: 273610 KG // RWY DRY // +18°C Q1021 160/10 // LMT: STRUCT
 CONFIG: FLAPS 5 // D-T01 +34C // A/I OFF/AUTO // A/C ON
 SPEEDS: V1=156 VR=160 V2=166
 ENG OUT: LT TO 'RUBOT' [37.5 DME R 210 'SLL' 112.0] (030 INBD,LT)

	FUEL	CORR	ENDUR	
TRIP	75510	.....	10:52	
CONT 5%	3776	.....	00:38	
ALTN KVCV	3322	.....	00:30	
FINAL RESV	2997	.....	00:30	
HOLD	2005	.....	00:20	
ADD FUEL	1193	.....	00:12	
MIN T/O	88803	.....	13:02	.....
EXTRA	1504	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	468	.....	00:18	
RELEASE	90775	.....	13:35	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	14485	.....	02:13	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 145026 KG / MAX EXTRA FUEL 7311 KG LIM BY ENRTE
 TRIP CORR FOR 5000 KG TOW INCR: +1027 KG / 5000 KG TOW DECR: -1602 KG
 2000 FT LOWER: +1928 KG / EET 10:49 CLB: 250/310/84 DES: 84/320/250

 LEBL **STD** 18:40Z/20:40L **ETD** 18:40Z ACT OFBL **EST T/O** 18:58Z ACT T/O
 KLAS **STA** 06:55Z/23:55L **ETA** 06:02Z ACT ONBL **EST LDG** 05:50Z ACT LDG
SKD 12:15 **PLN** 11:22 TTL BLCK **EST FLT** 10:52 TTL FLT

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (EINN)	29 NM BEFORE	5620N	N55 44.0 W019 16.4	EET 02:53
ETOPS EXIT (CYR)	145 NM BEFORE	URTAK	N58 50.1 W053 25.1	EET 05:05
ETOPS ENTRY (CYR)	348 NM BEFORE	GRAND	N57 23.0 W069 56.3	EET 06:10
ETOPS EXIT (CYWG)	256 NM BEFORE	YRL	N53 22.1 W087 53.3	EET 07:34

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

EINN (22:47-23:06)
 BIKF (22:54-01:14)

CYYR (00:54-03:55)
CYWG (03:27-03:55)

ONE ENGINE OUT DECOMP ETP 1 FOR EINN/BIKF N55 57.0 W019 51.7 EET 02:56
84/320/250 DESC TO FL100 CRUISE AT 1E0320 6 NM BEFORE 5620N
PLN FUEL OVER ETP 65225 ETP FUEL REQ 10866 DIV TIME 01:12
ETP TO EINN (N52 42.1 W008 55.5) DIST 430 NM WC HD010 TT 112
ETP TO BIKF (N63 59.1 W022 36.3) DIST 490 NM WC TL043 TT 351
*** FUEL DUMP REQUIRED ***

ALL ENGINE DECOMP ETP 1 FOR EINN/BIKF N55 57.0 W019 51.7 EET 02:56
84/320/250 DESC TO FL100 CRUISE AT AE320 6 NM BEFORE 5620N
PLN FUEL OVER ETP 65225 ETP FUEL REQ 10365 DIV TIME 01:12
ETP TO EINN (N52 42.1 W008 55.5) DIST 430 NM WC HD010 TT 112
ETP TO BIKF (N63 59.1 W022 36.3) DIST 490 NM WC TL043 TT 351
*** FUEL DUMP REQUIRED ***

ONE ENGINE OUT ETP 1 FOR EINN/BIKF N55 58.1 W019 54.7 EET 02:56
1E084/320 DESC TO FL248 CRUISE AT 1E0320 4 NM BEFORE 5620N
PLN FUEL OVER ETP 65197 ETP FUEL REQ 11087 DIV TIME 01:00
ETP TO EINN (N52 42.1 W008 55.5) DIST 432 NM WC HD006 TT 112
ETP TO BIKF (N63 59.1 W022 36.3) DIST 489 NM WC TL054 TT 352
*** FUEL DUMP REQUIRED ***

ONE ENGINE OUT DECOMP ETP 2 FOR BIKF/CYYR N59 04.6 W042 41.3 EET 04:26
84/320/250 DESC TO FL100 CRUISE AT 1E0320 226 NM BEFORE 5950N
PLN FUEL OVER ETP 54885 ETP FUEL REQ 15865 DIV TIME 01:50
ETP TO BIKF (N63 59.1 W022 36.3) DIST 643 NM WC HD014 TT 054
ETP TO CYYR (N53 19.2 W060 25.6) DIST 684 NM WC TL013 TT 247
*** FUEL DUMP REQUIRED ***

ALL ENGINE DECOMP ETP 2 FOR BIKF/CYYR N59 04.6 W042 41.3 EET 04:26
84/320/250 DESC TO FL100 CRUISE AT AE320 226 NM BEFORE 5950N
PLN FUEL OVER ETP 54885 ETP FUEL REQ 15131 DIV TIME 01:50
ETP TO BIKF (N63 59.1 W022 36.3) DIST 643 NM WC HD014 TT 054
ETP TO CYYR (N53 19.2 W060 25.6) DIST 684 NM WC TL013 TT 247
*** FUEL DUMP REQUIRED ***

ONE ENGINE OUT ETP 2 FOR BIKF/CYYR N59 04.9 W043 05.6 EET 04:27
1E084/320 DESC TO FL261 CRUISE AT 1E0320 214 NM BEFORE 5950N
PLN FUEL OVER ETP 54720 ETP FUEL REQ 15227 DIV TIME 01:29
ETP TO BIKF (N63 59.1 W022 36.3) DIST 653 NM WC HD006 TT 055
ETP TO CYYR (N53 19.2 W060 25.6) DIST 672 NM WC TL010 TT 247
*** FUEL DUMP REQUIRED ***

ONE ENGINE OUT DECOMP ETP 3 FOR CYYR/CYWG N55 22.9 W081 15.6 EET 07:00
84/320/250 DESC TO FL100 CRUISE AT 1E0320 518 NM BEFORE YRL
PLN FUEL OVER ETP 37729 ETP FUEL REQ 16353 DIV TIME 01:57
ETP TO CYYR (N53 19.2 W060 25.6) DIST 737 NM WC TL017 TT 091
ETP TO CYWG (N49 54.6 W097 14.4) DIST 667 NM WC HD021 TT 247

ALL ENGINE DECOMP ETP 3 FOR CYYR/CYWG N55 22.9 W081 15.6 EET 07:00
84/320/250 DESC TO FL100 CRUISE AT AE320 518 NM BEFORE YRL
PLN FUEL OVER ETP 37729 ETP FUEL REQ 15597 DIV TIME 01:57
ETP TO CYYR (N53 19.2 W060 25.6) DIST 737 NM WC TL017 TT 091
ETP TO CYWG (N49 54.6 W097 14.4) DIST 667 NM WC HD021 TT 247

ONE ENGINE OUT ETP 3 FOR CYYR/CYWG N55 19.8 W081 27.5 EET 07:01
1E084/320 DESC TO FL284 CRUISE AT 1E0320 511 NM BEFORE YRL
PLN FUEL OVER ETP 37622 ETP FUEL REQ 15750 DIV TIME 01:33
ETP TO CYYR (N53 19.2 W060 25.6) DIST 744 NM WC TL023 TT 091
ETP TO CYWG (N49 54.6 W097 14.4) DIST 659 NM WC HD035 TT 247

ATC ROUTE: N0494F330 GRAU2F GRAUS DCT POSSY UM601 BLV/N0491F340 UM601 DELOG
 UN864 TERKU UN490 BERAD UM142 OGAGI M142 DOLUR UN38 LESLU DCT
 DOGAL/M084F360 DCT 56N020W 58N030W/N0490F360 59N040W
 59N050W/M084F360 DCT URTAK/N0492F360 DCT IRBIM DCT LAKES DCT GRAND
 DCT YRL DCT HML J107 DPR DCT KD81W DCT KU54Q DCT HVE/N0482F380 DCT
 GGAPP SITEE4

ALTERNATE PLANNING

ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE
 KVCV/17 160 FL278 141 TL002 00:30 3322 - BOACH8 HEC J6 HELDE

MOST CRITICAL MORA 14700 FT AT KU54Q

AWY -FIR	WAYPOINT NAME	MT	ALT ISA	MSA WND/SPD	FREQ GS	TAS GS	LEG REM	FUEL POSITION	REM / USED	LEG ETO	ACC ATO
	LEBL/25L EL PRAT		14	080				90.3 / 0.5			
							5193	N4117.5	E00206.2/.....	
GRAU2F	D208H PRA208008	211	*CLB	080	P05 346/027		9	88.8 / 2.0	04 00.04/.....	
GRAU2F	VNV VILLANUEVA	281	*CLB	054	380.0 P07 352/046		14	87.9 / 2.9	02 00.06/.....	
GRAU2F	D283T BCN283020	352	*CLB	054	P08 353/057		10	87.3 / 3.5	02 00.08/.....	
GRAU2F	RILUK	282	*CLB	054	P05 350/058		15	86.7 / 4.1	02 00.10/.....	
GRAU2F	LRD LERIDA	282	*CLB	059	404.0 P01 342/058		32	85.6 / 5.2	04 00.14/.....	
GRAU2F	*TOC	334	FL330	059	M00 341/060	494 434	5 5107	85.4 / 5.4	01 00.15/.....	
GRAU2F	GRAUS	334	FL330	059	M00 343/058	494 434	23 5084	85.0 / 5.8	03 00.18/.....	
DCT	POSSY	296	FL330	135	P00 343/055	493 451	11 5073	84.8 / 6.0	02 00.20/.....	
UM601 -LECM	MARIO	296	FL330	135	P00 344/051	493 453	20 5053	84.4 / 6.3	02 00.22/.....	
UM601	SURCO	296	FL330	132	P00 345/049	493 457	16 5037	84.2 / 6.6	02 00.24/.....	
UM601	XOMBO	296	FL330	132	P01 345/048	493 459	5 5032	84.1 / 6.7	01 00.25/.....	
UM601	RONNY	296	FL330	132	P01 346/047	493 460	9 5023	83.9 / 6.8	01 00.26/.....	
UM601	RONKO	296	FL330	132	P01 346/045	493 461	9 5014	83.8 / 7.0	01 00.27/.....	

UM601	GOSVI	296	FL330	090	493	17	83.5 / 7.3	03	00.30	
			P01	346/042	463	4997	N4237.0 W00122.2/.....		
UM601	TURPU	296	FL330	090	493	8	83.4 / 7.4	01	00.31	
			P01	345/041	465	4989	N4240.7 W00132.6/.....		
UM601	PPN PAMPLONA	296	FL330	090	112.30	493	8	83.2 / 7.5	01	00.32
			P01	345/039	466	4981	N4244.0 W00142.1/.....		
UM601	MALOB	303	FL330	090	493	12	83.0 / 7.7	01	00.33	
			P01	345/037	463	4969	N4250.7 W00156.3/.....		
	LEBB	303	FL330	098		6	82.9 / 7.8	01	00.34	
			P01	000/035	4963		N4254.0 W00203.5/.....		
UM601	CEGAM	303	FL330	098	493	9	82.8 / 8.0	01	00.35	
			P01	344/035	465	4953	N4259.0 W00214.2/.....		
UM601	BLV BILBAO	303	*CLB	098	115.90	36	82.2 / 8.6	05	00.40	
			P01	343/032	4917		N4318.3 W00256.2/.....		
UM601	DOSUL	324	FL340	080	491	28	81.7 / 9.1	04	00.44	
			P01	342/032	459	4889	N4340.8 W00319.0/.....		
UM601	XORNA	324	FL340	080	491	10	81.5 / 9.3	01	00.45	
			P01	342/032	460	4879	N4348.8 W00327.1/.....		
UM601 -LFFF	DELOG	324	FL340	080	491	39	80.9 / 9.9	05	00.50	
			P01	340/030	461	4840	N4419.7 W00359.3/.....		
UN864	PEPET	007	FL340	010	491	46	80.1 / 10.7	06	00.56	
			P01	340/030	463	4795	N4505.1 W00352.0/.....		
UN864	INBAB	006	FL340	010	491	30	79.6 / 11.2	04	01.00	
			P01	339/030	463	4765	N4534.4 W00348.6/.....		
UN864	NOVAN	007	FL340	010	491	45	78.9 / 11.9	06	01.06	
			P01	338/031	463	4720	N4619.3 W00342.0/.....		
	LFRB	003	FL340	010		28	78.4 / 12.3	03	01.09	
			P01	349/030	4692		N4647.2 W00340.7/.....		
UN864	IDRIK	003	FL340	021	491	49	77.6 / 13.2	07	01.16	
			P01	334/033	461	4643	N4736.0 W00338.5/.....		
UN864	POMTA	004	FL340	021	491	11	77.4 / 13.3	01	01.17	
			P01	334/033	461	4632	N4747.2 W00337.7/.....		
UN864	TERKU	003	FL340	031	491	15	77.2 / 13.6	02	01.19	
			P01	333/033	461	4617	N4801.8 W00337.0/.....		
UN490	BERAD	314	FL340	031	491	24	76.8 / 14.0	03	01.22	
			P01	330/031	459	4593	N4818.1 W00403.7/.....		
UM142	NERLA	333	FL340	023	491	47	76.0 / 14.7	06	01.28	
			P01	322/029	461	4546	N4859.6 W00437.9/.....		
UM142	GANTO	332	FL340	023	491	28	75.6 / 15.2	04	01.32	
			P01	316/028	463	4518	N4923.8 W00458.9/.....		
UM142 -EGTT	OGAGI	332	FL340	015	491	4	75.5 / 15.3	00	01.32	
			P01	315/028	463	4514	N4927.4 W00502.0/.....		
M142	DOLUR	332	FL340	015	491	2	75.5 / 15.3	01	01.33	

P01 315/028 463 4512 N4929.1 W00503.4/.....

UN38 **LESLU** 312 FL340 021 492 145 73.1 / 17.6 18 01.51
 -EISN P01 279/028 466 4367 N5100.0 W00800.0/.....

EINN 311 FL340 033 -0 73.1 / 17.6 00 01.51
 P02 244/031 4367 N5100.0 W00800.0/.....

----- 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 **DOGAL** 311 *CLB 049 313 68.3 / 22.5 40 02.31
 -EGGX M00 213/065 4054 N5400.0 W01500.0/.....

----- ETOPS ENTRY (EINN) 0029 NM BEFORE 5620N EET 02:53 -----

***ETP 1** 312 FL360 010 485 206 65.2 / 25.6 25 02.56
 EINN/BIKF P02 196/076 500 3847 N5558.1 W01954.7/.....

DCT **5620N** 312 FL360 010 485 4 65.1 / 25.6 01 02.57
 56N020W P02 195/076 502 3843 N5600.0 W02000.0/.....

DCT **5830N** 304 FL360 010 490 348 60.3 / 30.5 41 03.38
 -CZQX 58N030W P07 178/065 505 3495 N5800.0 W03000.0/.....

DCT **5940N** 300 FL360 010 495 319 56.0 / 34.8 38 04.16
 59N040W P10 134/024 514 3176 N5900.0 W04000.0/.....

DCT ***BDRY** 294 FL360 010 494 81 54.9 / 35.9 09 04.25
 -BGGL P09 108/020 513 3095 N5904.5 W04236.3/.....

***ETP 2** 292 FL360 010 494 3 54.9 / 35.9 01 04.26
 -CZQX BIKF/CYYR P09 107/020 513 3093 N5904.6 W04241.3/.....

DCT **5950N** 292 FL360 054 493 226 51.9 / 38.9 26 04.52
 -BGGL 59N050W P08 066/013 506 2866 N5900.0 W05000.0/.....

DCT ***BDRY** 289 FL360 010 493 18 51.6 / 39.1 02 04.54
 -CZQX P09 062/013 506 2849 N5858.7 W05034.4/.....

----- ETOPS EXIT (CYYR) 0145 NM BEFORE URTAK EET 05:05 -----

DCT **URTAK** 286 FL360 010 492 234 48.5 / 42.2 28 05.22
 P06 015/024 502 2615 N5828.0 W05800.0/.....

DCT **IRBIM** 303 FL360 010 489 80 47.4 / 43.3 10 05.32
 -CZUL P04 013/025 492 2535 N5839.2 W06032.0/.....

DCT **LAKES** 270 FL360 078 487 95 46.2 / 44.6 11 05.43
 P01 013/019 499 2440 N5759.9 W06316.0/.....

----- ETOPS ENTRY (CYYR) 0348 NM BEFORE GRAND EET 06:10 -----

DCT **GRAND** 279 FL360 033 495 565 38.4 / 52.4 0111 06.54
 -CZWG P07 252/031 464 1874 N5542.2 W08000.0/.....

***ETP 3** 261 FL360 018 495 47 37.7 / 53.0 06 07.00
 CYYR/CYWG P06 263/033 464 1828 N5522.9 W08115.6/.....

----- ETOPS EXIT (CYWG) 0256 NM BEFORE YRL EET 07:34 -----

DCT	YRL RED LAKE	246	FL360	030	114.00	488	518	30.6 / 60.2	0106	08.06
				P01	316/033	482	1309	N5104.3	W09345.7/.....
DCT	*BDRY	226	FL360	030		488	174	28.3 / 62.5	21	08.27
-KZMP				P00	317/036	488	1135	N4900.0	W09655.8/.....
DCT	HML HUMBOLDT	221	FL360	041	112.40	488	11	28.2 / 62.6	02	08.29
				P00	317/036	489	1124	N4852.2	W09707.0/.....
	KRAP	218	FL360	041			163	26.1 / 64.7	20	08.49
				M00	313/056		961	N4647.9	W09944.2/.....
J107	DPR DUPREE	214	FL360	046	116.80	485	133	24.4 / 66.4	16	09.05
				M01	327/057	500	828	N4504.7	W10142.9/.....
DCT	*BDRY	220	FL360	055		486	24	24.1 / 66.7	03	09.08
-KZDV				M01	328/056	493	804	N4447.9	W10208.1/.....
DCT	KD81W	220	FL360	097		486	112	22.7 / 68.1	13	09.21
				M01	328/052	494	692	N4330.0	W10400.0/.....
	KSLC	219	FL360	143			183	20.4 / 70.4	22	09.43
				M01	315/025		509	N4123.3	W10658.3/.....
DCT	KU54Q	216	FL360	147		487	200	17.9 / 72.9	25	10.08
-KZLC				M01	356/014	497	309	N3900.0	W11000.0/.....
DCT	HVE HANKSVILLE	213	*CLB	139	115.90		48	17.3 / 73.5	05	10.13
				M00	013/011		261	N3825.0	W11042.0/.....
	KLAS	222	FL380	139			69	16.4 / 74.4	09	10.22
				M04	329/006		192	N3742.6	W11151.1/.....
DCT	GGAPP	221	FL380	136		483	17	16.2 / 74.6	02	10.24
				M04	021/009	491	175	N3732.0	W11208.1/.....
SITEE4	*BDRY	228	FL380	136		483	4	16.1 / 74.7	00	10.24
-KZLA				M04	022/009	490	171	N3730.0	W11212.3/.....
SITEE4	*TOD	228	FL380	136		483	50	15.5 / 75.3	07	10.31
				M04	011/009	489	121	N3703.8	W11306.3/.....
SITEE4	KSINO	227	*DES	126			56	15.4 / 75.4	06	10.37
				P07	089/010		65	N3634.5	W11405.1/.....
SITEE4	ZIGGG	226	*DES	103			21	15.3 / 75.5	04	10.41
				P09	055/005		44	N3623.1	W11427.5/.....
SITEE4	SITEE	226	*DES	103			10	15.2 / 75.5	01	10.42
				P10	026/005		34	N3617.7	W11437.9/.....
SITEE4	ARVDD	188	*DES	103			11	15.2 / 75.6	02	10.44
				P11	352/003		23	N3607.7	W11442.2/.....
SITEE4	PRINO	188	*DES	103			4	15.1 / 75.6	01	10.45
				P12	320/002		19	N3604.4	W11443.7/.....
SITEE4	KLAS/26L MC CARRAN INTL	259	2181	141			19	14.8 / 76.0	07	10.52
								N3604.4	W11507.6/.....

WIND INFORMATION - OBS 12/MAY 06:00

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(CLIMB)           MARIO           DOSUL           INBAB
FL320 342/068 -49 FL370 345/061 -59 FL380 343/036 -60 FL380 340/034 -60
FL260 348/060 -33 FL350 344/056 -55 FL360 343/035 -56 FL360 340/033 -56
FL190 354/054 -14 FL330 344/052 -50 FL340 342/033 -51 FL340 340/031 -51
FL130 353/039 -4  FL310 346/048 -45 FL320 343/031 -46 FL320 339/029 -46
 6000 342/015 +8  FL290 347/045 -40 FL300 344/029 -41 FL300 338/028 -41

IDRIK           GANTO           LESLU           5620N
FL380 337/037 -60 FL380 319/032 -60 FL380 270/030 -60 FL400 197/066 -56
FL360 336/035 -56 FL360 318/030 -56 FL360 274/029 -56 FL380 196/074 -56
FL340 335/033 -51 FL340 316/029 -51 FL340 279/028 -51 FL360 196/077 -55
FL320 333/031 -46 FL320 314/028 -46 FL320 279/027 -46 FL340 196/080 -53
FL300 330/029 -41 FL300 312/027 -41 FL300 279/026 -41 FL320 194/076 -49

5830N           5940N           5950N           URTAK
FL400 178/049 -47 FL400 142/023 -45 FL400 064/012 -46 FL400 026/013 -48
FL380 178/056 -48 FL380 137/024 -45 FL380 063/013 -46 FL380 021/017 -48
FL360 178/065 -49 FL360 134/025 -46 FL360 066/014 -48 FL360 016/024 -50
FL340 179/076 -51 FL340 131/026 -47 FL340 069/015 -50 FL340 013/032 -51
FL320 177/076 -50 FL320 121/028 -49 FL320 088/012 -51 FL320 012/037 -51

LAKES           GRAND           YRL           HML
FL400 022/010 -51 FL400 246/023 -48 FL400 314/028 -54 FL400 322/033 -55
FL380 019/014 -53 FL380 247/026 -48 FL380 315/031 -55 FL380 322/035 -55
FL360 013/019 -55 FL360 252/032 -50 FL360 316/034 -56 FL360 318/037 -56
FL340 010/025 -57 FL340 256/038 -51 FL340 317/037 -57 FL340 313/038 -56
FL320 009/025 -54 FL320 253/044 -52 FL320 320/036 -53 FL320 317/034 -52

DPR           KD81W           KU54Q           (DESCENT)
FL400 325/048 -59 FL400 326/046 -61 FL400 356/013 -63 FL370 048/020 -59
FL380 326/055 -60 FL380 327/052 -61 FL380 001/015 -61 FL300 047/018 -42
FL360 328/057 -57 FL360 328/053 -58 FL360 357/014 -57 FL220 065/018 -23
FL340 329/059 -55 FL340 329/053 -54 FL340 352/014 -52 15000 061/012 -8
FL320 324/054 -50 FL320 326/049 -49 FL320 354/011 -48  7000 022/003 +11

```

 END FLIGHTPLAN 03105 TCC305D FOHGG LEBL-KLAS 12MAY2019

[ATC FLIGHTPLAN]

(FPL-TCC305D-IS
-B77L/H-SDE1FGHIJ1RWXYZ/LB1
-LEBL1840
-N0494F330 GRAUS DCT POSSY UM601 BLV/N0491F340 UM601 DELOG UN864
TERKU UN490 BERAD UM142 OGAGI M142 DOLUR UN38 LESLU DCT
DOGAL/M084F360 DCT 56N020W 58N030W/N0490F360 59N040W
59N050W/M084F360 DCT URTAK/N0492F360 DCT IRBIM DCT LAKES DCT
GRAND DCT YRL DCT HML J107 DPR DCT KD81W DCT KU54Q DCT
HVE/N0482F380 DCT GGAPP SITEE4
-KLAS1052 KVCV
-PBN/A1B1C1D1L101S1 NAV/RNVD1E2A1 DOF/190512 REG/FOHGG
EET/LECM0022 LFFF0050 EGTT0132 EISN0151 EGGX0231 56N020W0257
CZQX0338 59N040W0416 BGGL0425 59N050W0452 CZQX0454 CZUL0532
CZWG0654 KZMP0827 KZDV0908 KZLC1007 KZLA1024
SEL/EGAE CODE/3B755A RVR/75 OPR/TRADEWIND PACIFIC
ORGN/NTAATPCP PER/D
RALT/CYWG CYR BIKF EINN
RMK/TCAS
-E/1317)

[PLANNING WEATHER]

ORIGIN: LEBL/BCN (EL PRAT, SPAIN)

UTC +02:00

LEBL 121500Z 15008KT 120V190 CAVOK 18/12 Q1021 NOSIG
LEBL 121100Z 1212/1312 16010KT 9999 FEW025 TX20/1212Z TN12/1306Z
BECMG 1219/1222 VRB05KT

DESTINATION: KLAS/LAS (MC CARRAN INTL, UNITED STATES)

UTC -07:00

KLAS 121456Z 00000KT 10SM FEW250 22/06 A2992 RMK A02 SLP112 T02220061
52014
KLAS 121447Z 1215/1318 VRB05KT P6SM FEW120 FEW250
FM121900 10006KT P6SM FEW120
FM130400 21006KT P6SM SKC

ALTERNATE: KVCV/VCV (SOUTHERN CALIFORNIA LOGISTICS, UNITED STATES) UTC -07:00

KVCV 121445Z 12004KT 10SM SKC A2999
NO TAF AVAILABLE

EDTO AIRPORT: CYWG/YWG (RICHARDSON INTL, CANADA)

UTC -05:00

CYWG 121420Z 34005KT 3SM BR OVC003 06/06 A2983 RMK ST8 SLP109
AMD CYWG 121206Z 1212/1312 28005KT 1/2SM FG OVC003
TEMPO 1212/1214 1/8SM FG VV002
BECMG 1214/1216 P6SM NSW BKN006 OVC020
FM121600 32008KT P6SM BKN020
TEMPO 1216/1217 BKN006 OVC020
FM121800 36008KT P6SM BKN030
FM122000 03008KT P6SM FEW040 SCT240
BECMG 1301/1303 16008KT
FM130600 18010KT P6SM SCT060 BKN180
RMK NXT FCST BY 121800Z

EDTO AIRPORT: CYR/YR (GOOSE BAY, CANADA)

UTC -03:00

CYR 121400Z 05009KT 15SM FEW015 OVC036 03/M01 A2999 RMK SC1SC7 SLP159
CYR 121130Z 1212/1312 05008KT P6SM SCT010 BKN025
TEMPO 1212/1224 5SM -SHRA BR OVC010
FM130000 34005KT P6SM BKN025
TEMPO 1300/1312 BKN020
BECMG 1301/1303 VRB03KT
RMK NXT FCST BY 121800Z

EDTO AIRPORT: BIKF/KEF (KEFLAVIK, ICELAND)

UTC +00:00

BIKF 121500Z 10019KT 9999 VCSH BKN043 BKN055 07/M05 Q1024
BIKF 121332Z 1215/1315 10025KT 9999 FEW035 TX09/1312Z TN04/1300Z
BECMG 1217/1219 8000 -RADZ BKN015 OVC025
BECMG 1302/1304 13028G44KT
TEMPO 1307/1311 5000 RA BR OVC010
BECMG 1310/1312 16022KT

EDTO AIRPORT: EINN/SNN (SHANNON, IRELAND)

UTC +01:00

EINN 121500Z 16015KT CAVOK 17/04 Q1033 NOSIG
EINN 121100Z 1212/1312 16015KT 9999 FEW030
TEMPO 1212/1216 15016G26KT
BECMG 1221/1224 13011KT
BECMG 1307/1310 16014KT
TEMPO 1310/1312 15015G26KT

ADEQUATE: LEBB/BIO (BILBAO, SPAIN)

UTC +02:00

LEBB 121500Z 06010KT 020V140 9999 FEW045 20/10 Q1029 NOSIG
LEBB 121100Z 1212/1312 12005KT 9999 SCT035 TX19/1215Z TN08/1305Z
TEMPO 1212/1219 03010KT

ADEQUATE: LFRB/BES (BRETAGNE, FRANCE)

UTC +02:00

LFRB 121500Z AUTO VRB04KT 9999 FEW043 SCT060 18/10 Q1034 NOSIG
LFRB 121100Z 1212/1318 13008KT 9999 FEW043

ADEQUATE: KRAP/RAP (RAPID CITY REGL, UNITED STATES)

UTC -06:00

KRAP 121452Z 34006KT 10SM CLR 10/02 A2990 RMK A02 SLP133 T01000017 50004
KRAP 121124Z 1212/1312 34010KT P6SM FEW250
FM130000 VRB05KT P6SM FEW250

ADEQUATE: KSLC/SLC (SALT LAKE CITY INTL, UNITED STATES)

UTC -06:00

KSLC 121454Z 14008KT 10SM FEW220 16/03 A3001 RMK A02 SLP128 T01610028
50008 VISNO NW RNWY
KSLC 121459Z 1215/1318 14008KT P6SM SKC
FM121900 30009KT P6SM SKC
FM130300 15006KT P6SM SKC

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/2 TRACKS FLS 310/390 INCLUSIVE
MAY 12/1130Z TO MAY 12/1900Z
PART ONE OF TWO PARTS-

A RESNO 56/20 58/30 58/40 57/50 HOIST
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

B DOGAL 55/20 57/30 57/40 56/50 JANJO
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

C NEBIN 5430/20 5630/30 5630/40 5530/50 KODIK
EAST LVLS NIL
WEST LVLS 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

D MALOT 54/20 56/30 56/40 55/50 LOMSI
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

E LIMRI 53/20 55/30 55/40 54/50 NEEKO
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

F ADARA 5230/20 5430/30 5430/40 5330/50 PELTU
EAST LVLS NIL
WEST LVLS 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

END OF PART ONE OF TWO PARTS)

(NAT-2/2 TRACKS FLS 310/390 INCLUSIVE
MAY 12/1130Z TO MAY 12/1900Z
PART TWO OF TWO PARTS-

G DINIM 52/20 54/30 54/40 53/50 RIKAL
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

REMARKS.

1. TMI IS 132 AND OPERATORS ARE REMINDED TO INCLUDE THE TMI NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
2. OPERATORS ARE REMINDED THAT ADS-C AND CPDLC IS MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
3. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS TRACK B

TRACK C
TRACK D
TRACK E
TRACK F
TRACK G

END OF PBCS OTS

4.FOR STRATEGIC LATERAL OFFSET AND CONTINGENCY PROCEDURES FOR OPS IN
NAT FLOW REFER TO NAT PROGRAMME COORDINATION WEBSITE
WWW.PARIS.ICAO.INT.

SLOP SHOULD BE STANDARD PROCEDURE, NOT JUST FOR AVOIDING WX/TURB.

5.80 PERCENT OF GROSS NAVIGATION ERRORS RESULT FROM POOR COCKPIT
PROCEDURES. CONDUCT EFFECTIVE WAYPOINT CHECKS.

6.OPERATORS ARE REMINDED THAT CLEARANCES MAY DIFFER FROM THE
FLIGHT PLAN, FLY THE CLEARANCE.

7.UK AIP. ENR 2.2.4.2 PARA 5.2 STATES THAT NAT OPERATORS SHALL FILE
PRM'S.

8.FLIGHTS REQUESTING WESTBOUND OCEANIC CLEARANCE VIA ORCA DATALINK
SHALL INCLUDE IN RMK/ FIELD THE HIGHEST ACCEPTABLE FLIGHT LEVEL WHICH
CAN

BE MAINTAINED AT OAC ENTRY POINT.

9.ALL ADSC CPDLC EQUIPPED FLIGHTS NOT LOGGED ON TO A DOMESTIC ATSU
PRIOR TO ENTERING THE SHANWICK OCA MUST INITIATE A LOGON TO EGGX
BETWEEN 10

AND 25 MINUTES PRIOR TO OCA ENTRY.-

END OF PART TWO OF TWO PARTS)

(NAT-1/3 TRACKS FLS 320/400 INCLUSIVE

MAY 13/0100Z TO MAY 13/0800Z

PART ONE OF THREE PARTS-

R JOOPY 49/50 51/40 53/30 54/20 DOGAL BEXET
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N269A N277A-

S NICS0 48/50 50/40 52/30 53/20 MALOT GISTI
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N211E N205B-

T OMSAT 4730/50 4930/40 5130/30 5230/20 TOBOR RILED
EAST LVLS 350 360 370 380 390
WEST LVLS NIL
EUR RTS EAST NIL
NAR N183A N175E-

U PORTI 47/50 49/40 51/30 52/20 LIMRI XETBO
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N155A N141D-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 320/400 INCLUSIVE

MAY 13/0100Z TO MAY 13/0800Z

PART TWO OF THREE PARTS-

V SUPRY 46/50 48/40 50/30 51/20 DINIM ELSOX

EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N93A N79A-

W RAFIN 45/50 47/40 49/30 50/20 SOMAX ATSUR
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N59C N49C-

X DOVEY 42/60 44/50 46/40 48/30 49/20 BEDRA NASBA
EAST LVLS 320 330 350 360 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

Y SOORY 43/50 45/40 47/30 48/20 48/15 OMOKO GUNSO
EAST LVLS 320 330 350 360 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 320/400 INCLUSIVE
MAY 13/0100Z TO MAY 13/0800Z
PART THREE OF THREE PARTS-

Z 35/60 42/50 44/40 46/30 47/20 47/15 ETIKI REGHI
EAST LVLS 320 330 350 360 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

REMARKS:

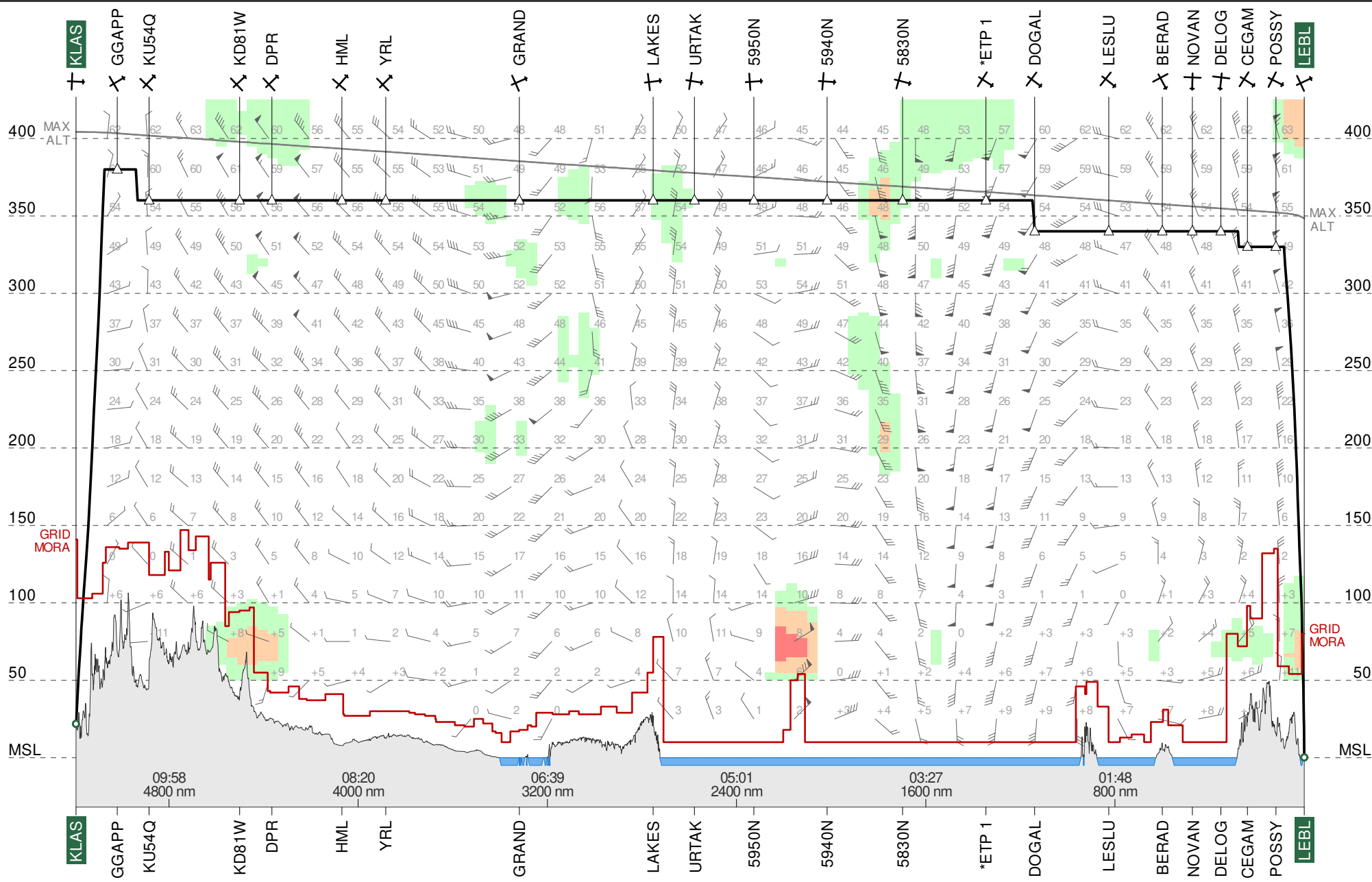
- 1.THE TMI IS 133 AND OPERATORS ARE REMINDED TO INCLUDE THE NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
- 2.OPERATORS ARE REMINDED THAT ADS-C AND CPDLC ARE MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
- 3.PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS
TRACK S
TRACK T
TRACK U
END OF PBCS OTS.
- 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.
- 8.OPERATORS ARE ADVISED TO CONSULT NOTAM A0596/19 REGARDING ADS-C.
9. F320 EXPIRES AT 30W AT 0600Z ON TRACKS Y AND Z. -

END OF PART THREE OF THREE PARTS)

TR305D #3

KLAS ← — LEBL

ETD 12 May 18:40z
FOHGG B77L



Route Chart

ETOPS 120

TR305D #3
LEBL-KLAS

12 May 2019
FOHGG B77L

Lambert Conical Projection
Standard Parallels: 43N and 51N



Wind Chart

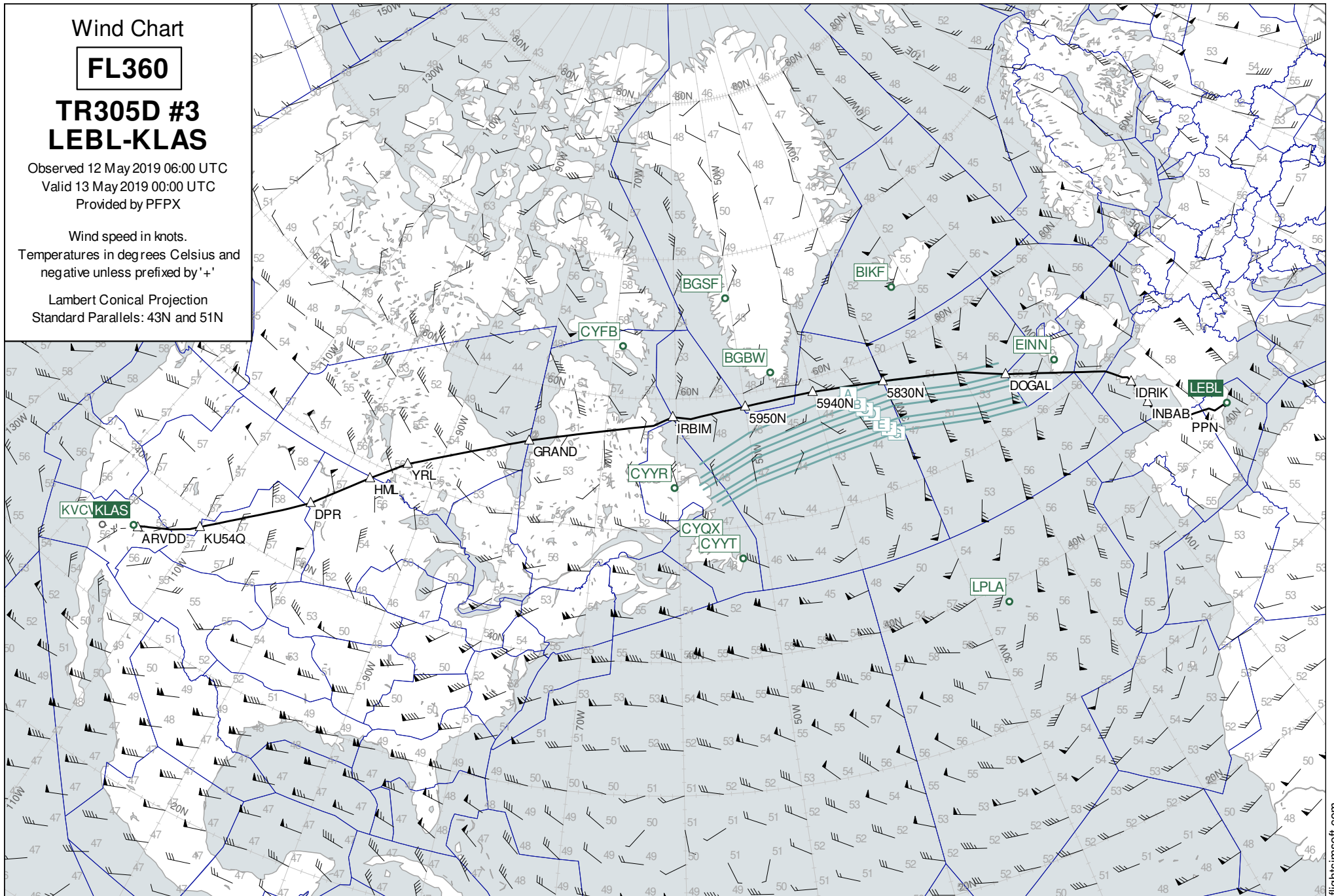
FL360

TR305D #3 LEBL-KLAS

Observed 12 May 2019 06:00 UTC
Valid 13 May 2019 00:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 43N and 51N



Wind Chart

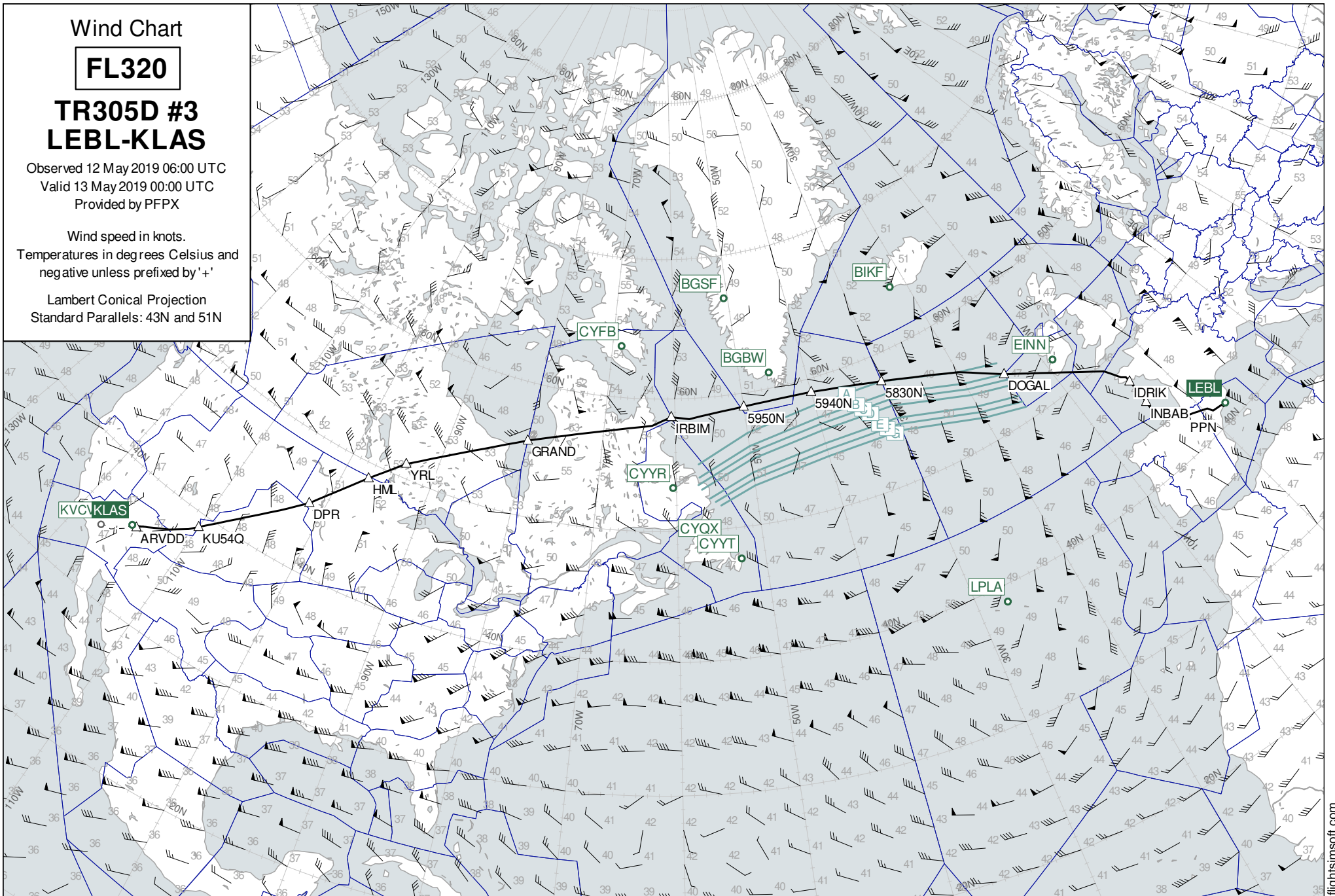
FL320

TR305D #3 LEBL-KLAS

Observed 12 May 2019 06:00 UTC
Valid 13 May 2019 00:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 43N and 51N



Wind Chart

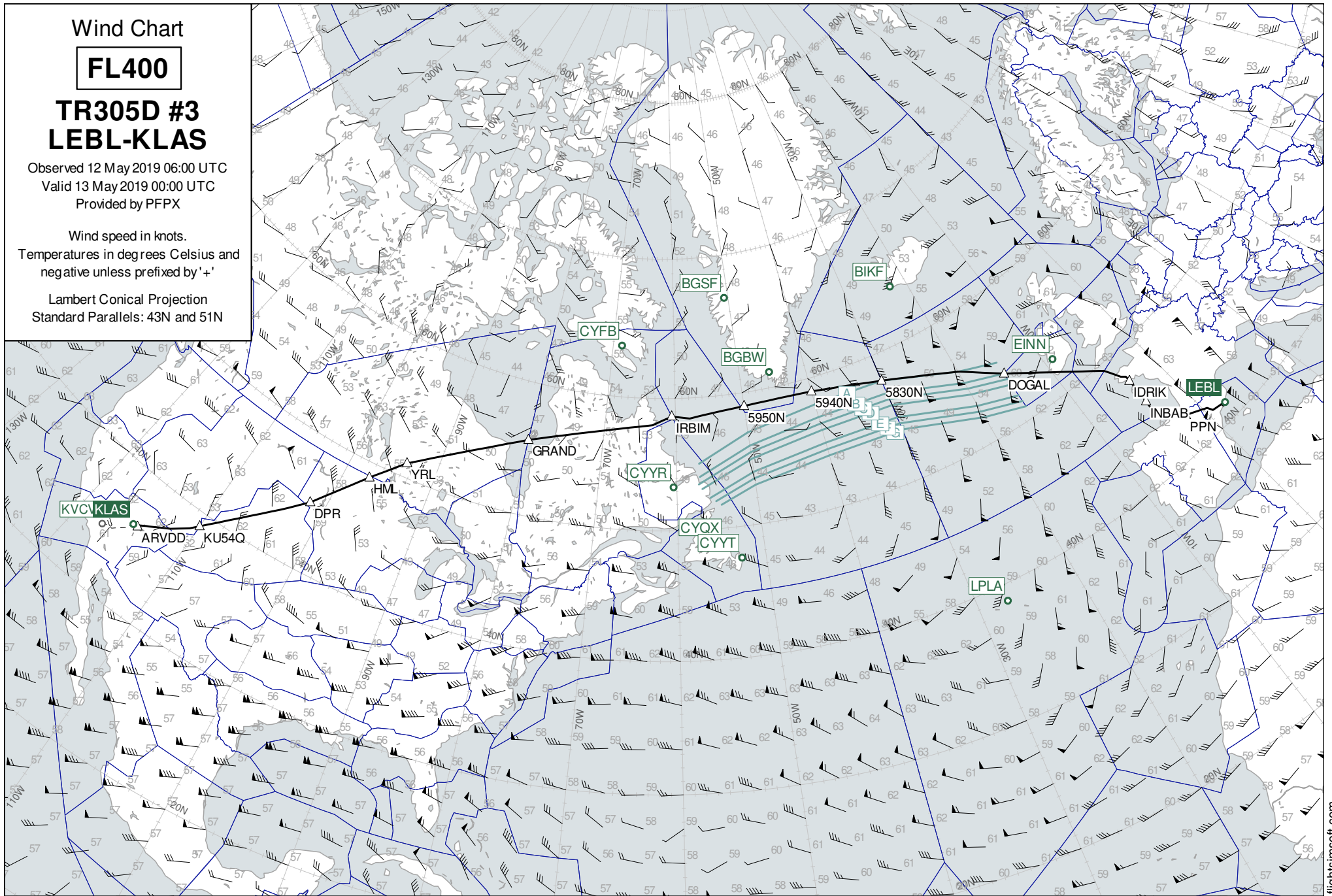
FL400

TR305D #3 LEBL-KLAS

Observed 12 May 2019 06:00 UTC
Valid 13 May 2019 00:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 43N and 51N



Destination Area

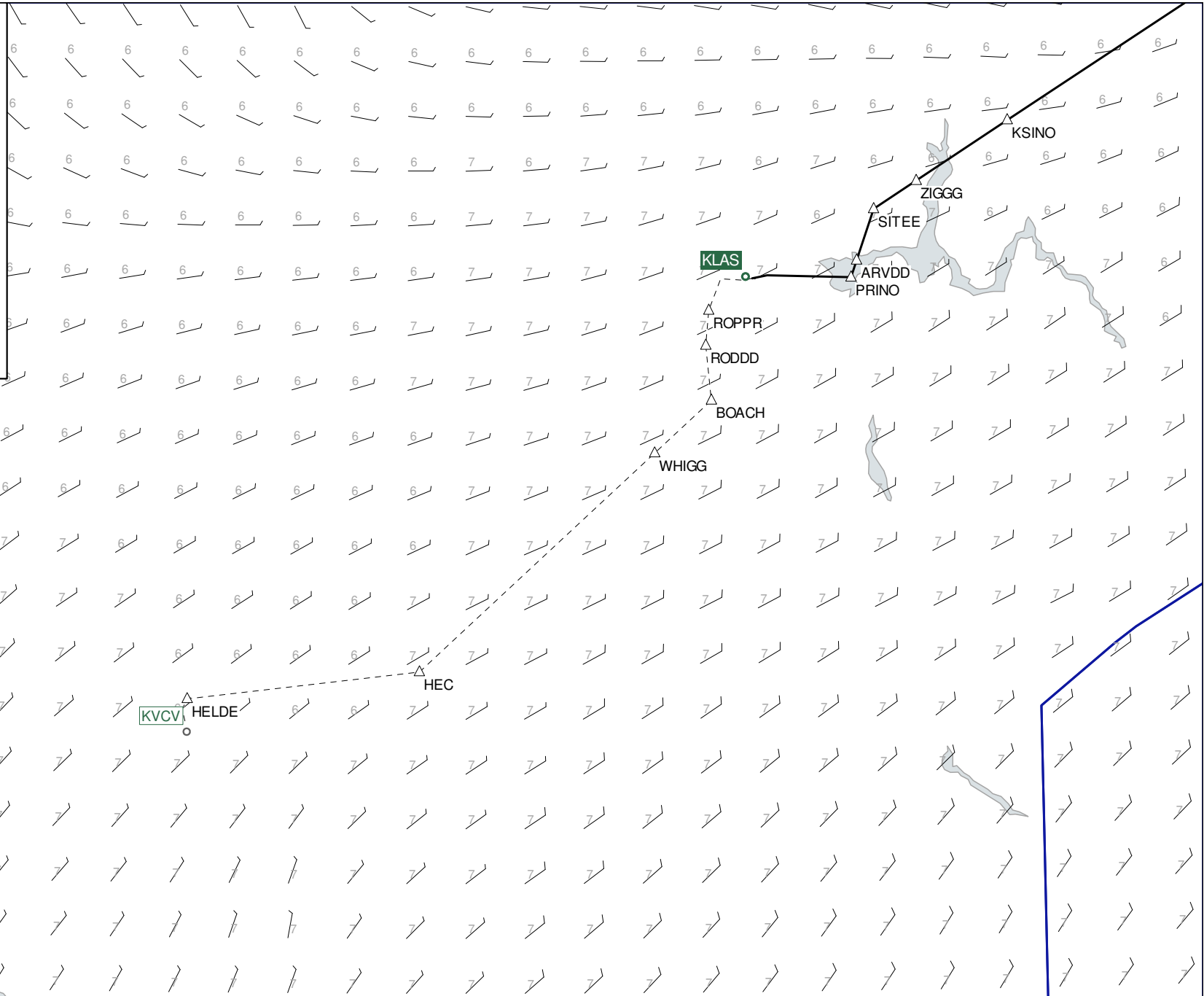
FL150

TR305D #3
LEBL-KLAS

Observed 12 May 2019 06:00 UTC
Valid 13 May 2019 06:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 35N and 36N



Plotting Chart TR305D #3 LEBL-KLAS

12 May 2019
FOHGG B77L

Lambert Conical Projection
Standard Parallels: 52N and 56N

