



Tradewind VA



Flight Briefing Package

TCC316C URSS-KMSP

29-Sep-2019 #2

RELEASE #2

SOCHI

(RUSSIAN FEDERATION)

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MINNEAPOLIS-ST PAUL INTL/WOLD-

(UNITED STATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

29 SEP 1416 UTC

Fuel Planning (kg)	EU-OPS	Fuel	Time
TRIP		77.905	11:09
CONT 5%		3.895	00:39
HOLD	KMSP	2.016	00:20
ALTN	KORD	5.009	00:43
FINAL RESV		3.027	00:30
ADD FUEL		1.548	00:15
MIN T/O		93.400	13:35
EXTRA		1.512	00:15
TAXI		624	00:12
RELEASE	URSS	95.536	14:02
ARR FUEL	KMSP	16.435	02:30

Load Planning (kg)	PJTGE	Plan	Limit
Empty Weight		156.146	
Payload	264+0 Pax	24.816	
Zero Fuel Weight		180.962	209.106
Fuel		95.536	162.613
Ramp Weight		276.498	348.359
Take-Off Weight URSS	Limit	275.874	296.016
Landing Weight KMSP		197.969	223.167
Underload		20.142	Lim TOW

Cost Planning

Flight Time	11:09\$	62.031
Fuel	79.101\$	69.654
Total		\$ 131.685
Per Pax		\$ 499
Per 5.000 kg Payload		\$ 26.532

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC316C PJTGE URSS-KMSP

ALL WEIGHTS IN KILOGRAMS (KG) STD 29SEP/1715Z

OPF 2 - PREPARED 29SEP/1416Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR316C/TCC316C PJTGE/B777-2LR GE SEL/EGAP ROUTE: URSSKMSP01

DEP: URSS/AER 24 ELEV 89 FT COST INDEX: 250 TTL G/C DIST: 4949 NM
ARR: KMSP/MSP 30R ELEV 842 FT INIT ALT: FL280 TTL F/P DIST: 5197 NM
FUEL BIAS: 100.5% TTL AIR DIST: 5366 NM
AVG WIND CMP: HD015 KT

ALT: KORD/ORD 10R ELEV 680 FT 294 NM

Table with columns: CONFIG, DOW, PAX, CARGO, TOTAL, ULOAD LIM, ZFW, TOW, LDW. Rows: STANDARD, MAX, PLN, ACT.

** TAKE-OFF DATA URSS 24 **

COND: 275874 KG // RWY DRY // +21.C Q1016 050/12 // LMT: FIELD
CONFIG: FLAPS 5 // D-TO +42C // A/I OFF/AUTO // A/C ON
SPEEDS: V1=152 VR=160 V2=166
ENG OUT: NONE

Table with columns: FUEL, CORR, ENDUR. Rows: TRIP, CONT 5%, ALTN KORD, FINAL RESV, HOLD, ADD FUEL, MIN T/O, EXTRA, TAXI, RELEASE, ARR FUEL. Includes CAPTAINS SIGNATURE and I ACCEPT THIS OPF AND I AM FAMILIAR WITH THE PLANNED ROUTE AND AERODROMES.

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 21654 KG LIM BY ENRTE
TRIP CORR FOR 5000 KG TOW INCR: +1217 KG / 5000 KG TOW DECR: -1084 KG
2000 FT LOWER: +1207 KG / EET 11:05 CLB: 250/310/84 DES: 84/320/250

URSS STD 17:15Z/20:15L ETD 17:15Z ACT OFBL EST T/O 17:27Z ACT T/O
KMSP STA 05:05Z/00:05L ETA 04:47Z ACT ONBL EST LDG 04:36Z ACT LDG
SKD 11:50 PLN 11:32 TTL BLCK EST FLT 11:09 TTL FLT

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (CYFB) 75 NM BEFORE 5880N N58 50.0 W078 14.7 EET 08:41
ETOPS EXIT (CYFB) 159 NM BEFORE TASLI N57 07.6 W081 41.6 EET 09:00

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD
CYFB (03:00-03:58)

ONE ENGINE OUT CRP 1 FOR CYFB N57 07.7 W081 41.3 EET 09:00
 1E084/320 DESC TO FL299 CRUISE AT 1E0320 159 NM BEFORE TASLI
 PLN FUEL OVER CRP 28891 CRP FUEL REQ 12178 DIV TIME 01:09
 CRP TO CYFB (N63 45.4 W068 33.4) DIST 555 NM WC TL018 TT 039

ONE ENGINE OUT DECOMP CRP 1 FOR CYFB N57 07.7 W081 41.3 EET 09:00
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 159 NM BEFORE TASLI
 PLN FUEL OVER CRP 28891 CRP FUEL REQ 12777 DIV TIME 01:31
 CRP TO CYFB (N63 45.4 W068 33.4) DIST 555 NM WC TL007 TT 039

ALL ENGINE DECOMP CRP 1 FOR CYFB N57 07.7 W081 41.3 EET 09:00
 84/320/250 DESC TO FL100 CRUISE AT AE320 159 NM BEFORE TASLI
 PLN FUEL OVER CRP 28891 CRP FUEL REQ 12173 DIV TIME 01:31
 CRP TO CYFB (N63 45.4 W068 33.4) DIST 555 NM WC TL007 TT 039

ATC ROUTE: K0942F280 BIN02B BINOL W79 ADNET R709 ROPTA/N0503F300 R709
 LENIR/N0503F290 B820 SUDIR/N0494F315 B145 ER/N0491F330 G128
 NEGAR/N0485F350 G128 KA/N0489F340 R833 LANIT R11 BUTRI N39 TE T563
 GD R369 AJ R900 OKUDI T561 SPB T562 RATLA/N0487F360 DCT SUTEV P998
 SLU T320 MIMKI DCT NORVA DCT 69N000E/M085F360 69N010W 69N020W
 69N030W 68N040W/M084F380 67N050W DCT CLAVY/N0490F380 DCT MUSVA DCT
 TEFFO DCT 62N070W 58N080W DCT TASLI DCT ELVEL DCT KP18I/N0494F360
 DCT GOLLF GEP1

ALTERNATE PLANNING

ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE
 KORD/10R 294 FL390 042 TL030 00:43 5009 - JVL JVL9

MOST CRITICAL MORA 14300 FT AT BINOL

AWY -FIR	WAYPOINT NAME	MT	ALT ISA	MSA	FREQ WIND/SPD	TAS GS	LEG REM	FUEL POSITION	REM / USED	LEG ETO / ATO	ACC
	URSS/24 SOCHI		89	117				94.9 / 0.6		5197 N4327.0 E03957.5/.....
BIN02B	DER24	238	*CLB	117	P02 189/003		2	94.0 / 1.5	02	00.02/.....
BIN02B	NIDEP	250	*CLB	117	P05 280/023		13	92.9 / 2.6	03	00.05/.....
BIN02B	SS241	258	*CLB	117	P06 288/035		7	92.5 / 3.1	01	00.06/.....
BIN02B	SS243	344	*CLB	117	P07 291/048		8	92.1 / 3.5	01	00.07/.....
BIN02B	SS242	077	*CLB	117	P07 293/054		6	91.9 / 3.7	01	00.08/.....
BIN02B	SS244	077	*CLB	117	P06 296/063		10	91.5 / 4.0	01	00.09/.....
BIN02B	BENLU	078	*CLB	117	P06 298/067		6	91.3 / 4.2	01	00.10/.....
BIN02B	BINOL	035	*CLB	143	P03 301/074		12	90.9 / 4.7	02	00.12/.....

W79	*TOC	337	FL280	143		509	3	90.8 / 4.8	00	00.12
					P03	302/075	451 5130	N4344.2 E04005.4/.....	
W79	ULKOT	337	FL280	143		508	14	90.5 / 5.0	02	00.14
					P03	303/078	449 5116	N4357.9 E04000.0/.....	
W79	ADNET	337	FL280	143		508	25	90.0 / 5.5	03	00.17
					P02	305/079	444 5090	N4422.2 E03950.4/.....	
R709	ROPTA	359	*CLB	105			33	89.4 / 6.2	05	00.22
					P02	307/082	5058	N4454.7 E03955.7/.....	
R709	LENIR	359	*DES	105			32	88.6 / 6.9	04	00.26
					P02	310/086	5026	N4526.0 E04000.9/.....	
B820	ND	018	FL290	023	507.0	502	22	88.3 / 7.2	03	00.29
	BOLSHEVIK				P01	308/069	478 5004	N4545.8 E04014.7/.....	
B820	SUDIR	007	*CLB	023			36	87.7 / 7.9	04	00.33
					M01	304/045	4968	N4621.0 E04027.9/.....	
B145	ER	021	*CLB	017	435.0		16	87.2 / 8.3	02	00.35
	YEGORLYKSKAYA				M01	302/041	4951	N4635.1 E04039.6/.....	
G128	DILER	006	FL330	017		491	18	86.8 / 8.7	03	00.38
					M00	300/037	476 4933	N4652.8 E04046.2/.....	
G128	NEGAR	006	*CLB	021			32	86.3 / 9.2	04	00.42
					M01	295/026	4901	N4724.0 E04057.9/.....	
G128	KA	020	*DES	021	110.00		13	86.0 / 9.5	01	00.43
	KONSTANTINOVSK				P00	296/029	4888	N4735.3 E04106.9/.....	
R833	ROPOK	351	FL340	022		486	30	85.6 / 10.0	04	00.47
					M03	293/020	477 4858	N4805.1 E04106.5/.....	
R833	LANIT	351	FL340	025		484	105	83.9 / 11.6	13	01.00
	-UUVV				M04	250/019	489 4753	N4949.8 E04105.0/.....	
	UDD	333	FL340	025			8	83.8 / 11.7	01	01.01
					M02	300/058	4745	N4957.6 E04101.1/.....	
R11	BUTRI	333	FL340	025		484	52	83.0 / 12.6	06	01.07
					M04	250/023	484 4693	N5047.0 E04035.9/.....	
N39	IDOKA	311	FL340	028		484	44	82.3 / 13.3	06	01.13
					M05	247/027	475 4648	N5121.2 E03951.1/.....	
N39	TULDU	311	FL340	028		485	12	82.1 / 13.5	02	01.15
					M04	244/028	476 4637	N5130.3 E03939.0/.....	
N39	IWV	310	FL340	028	114.90	485	25	81.7 / 13.8	03	01.18
	CHERTOVITSKOYE		VORON		M04	238/029	477 4612	N5149.3 E03913.5/.....	
N39	TE	290	FL340	028	527.0	485	41	81.0 / 14.5	05	01.23
	TERBUNY				M04	231/034	471 4571	N5209.2 E03816.1/.....	
T563	GD	323	FL340	027	975.0	485	96	79.6 / 16.0	12	01.35
	MALOYE SKURATOVO				M03	227/038	494 4475	N5334.4 E03703.3/.....	
R369	DINAL	338	FL340	027		485	43	78.9 / 16.6	05	01.40
					M03	227/036	503 4432	N5416.8 E03648.2/.....	

R369	SUGIR	338	FL340	027	485	28	78.5 / 17.0	03	01.43
				M03 228/035	502	4404	N5444.0 E03638.6/.....	
R369	KULEG	322	FL340	028	486	41	77.9 / 17.6	05	01.48
				M03 230/034	492	4363	N5519.8 E03605.6/.....	
R369	MOLOT	321	FL340	028	486	3	77.9 / 17.7	00	01.48
				M03 230/033	491	4361	N5522.3 E03603.2/.....	
R369	ATRUN	321	FL340	028	486	21	77.5 / 18.0	03	01.51
				M03 232/032	491	4340	N5540.6 E03545.7/.....	
R369	MAKSI	321	FL340	024	486	15	77.3 / 18.2	02	01.53
				M03 233/032	490	4325	N5553.4 E03533.3/.....	
R369	BELAG	320	FL340	024	486	19	77.0 / 18.5	02	01.55
				M03 233/031	489	4306	N5609.7 E03517.3/.....	
R369	AJ	321	FL340	024	430.0	486	76.7 / 18.9	03	01.58
	STARITSA			M02 232/029	489	4282	N5631.1 E03456.2/.....	
	ULLI	317	FL340	025		80	75.5 / 20.1	10	02.08
				M01 274/056		4202	N5738.0 E03337.2/.....	
R900	LANSO	316	FL340	025	487	8	75.3 / 20.2	01	02.09
	-ULLL			M01 234/026	488	4194	N5745.0 E03328.6/.....	
R900	SIFON	315	FL340	025	487	24	75.0 / 20.6	03	02.12
				M01 233/026	487	4170	N5804.9 E03303.0/.....	
R900	OKUDI	314	FL340	022	488	76	73.8 / 21.7	09	02.21
				M00 225/021	491	4094	N5907.0 E03138.9/.....	
T561	SPB	304	FL340	022	113.40	488	72.9 / 22.6	07	02.28
	ST PETERSBURG			M01 217/020	490	4035	N5948.4 E03016.5/.....	
T562	PETAP	325	FL340	022	488	35	72.4 / 23.1	05	02.33
				M01 211/021	499	4000	N6020.3 E02948.1/.....	
T562	VEKIL	305	FL340	019	488	26	72.0 / 23.5	03	02.36
				M01 209/022	494	3973	N6039.4 E02911.1/.....	
T562	RATLA	285	*CLB	019		28	71.6 / 23.9	03	02.39
	-EFIN			M00 214/021		3946	N6051.5 E02820.3/.....	
	ENBO	317	FL360	030		225	68.2 / 27.3	28	03.07
				P04 230/026		3720	N6357.5 E02346.0/.....	
DCT	SUTEV	314	FL360	020	489	45	67.6 / 28.0	05	03.12
	-ESAA			P05 230/023	489	3675	N6433.2 E02244.3/.....	
P998	SLU	336	FL360	031	115.10	489	66.7 / 28.9	08	03.20
	LULEA			P05 228/022	498	3614	N6532.4 E02208.1/.....	
T320	BEGDO	293	FL360	047	489	41	66.1 / 29.5	05	03.25
				P06 232/022	482	3573	N6554.2 E02042.9/.....	
T320	UPEVA	292	FL360	083	491	87	64.8 / 30.7	11	03.36
				P08 238/022	480	3486	N6637.2 E01736.7/.....	
T320	MIMKI	291	FL360	083	493	41	64.2 / 31.3	05	03.41
	-ENOR			P09 243/019	481	3446	N6656.2 E01605.4/.....	
DCT	*BDRY	296	FL360	086	497	134	62.3 / 33.3	16	03.57

-ENOB P13 308/012 485 3312 N6804.4 E01105.0/.....

----- 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 NORVA 294 FL360 027 497 3 62.2 / 33.3 01 03.58
P13 312/012 485 3309 N6805.8 E01057.7/.....

DCT 6900E 283 FL360 010 495 247 58.7 / 36.8 30 04.28
-BIRD 69N000E P08 359/058 484 3062 N6900.0 E00000.0/.....

BIAR 277 FL360 010 58 57.9 / 37.7 07 04.35
P04 011/061 3004 N6903.4 W00240.4/.....

DCT 6910N 276 FL360 010 484 158 55.6 / 39.9 20 04.55
69N010W M02 356/067 480 2847 N6900.0 W01000.0/.....

DCT 6920N 283 FL360 010 482 215 52.5 / 43.0 27 05.22
69N020W M04 348/028 478 2632 N6900.0 W02000.0/.....

DCT *BDRY 289 FL360 080 482 73 51.5 / 44.1 09 05.31
-BGGL M04 336/016 474 2558 N6903.9 W02324.7/.....

DCT 6930N 288 FL360 120 482 142 49.5 / 46.1 18 05.49
69N030W M04 177/018 480 2416 N6900.0 W03000.0/.....

BGSF 279 FL360 134 81 48.4 / 47.2 10 05.59
M03 194/021 2336 N6842.9 W03338.1/.....

DCT 6840N 278 *CLB 113 148 46.3 / 49.2 18 06.17
68N040W M01 157/028 2188 N6800.0 W04000.0/.....

DCT 6750N 285 FL380 104 487 237 43.0 / 52.5 30 06.47
67N050W P02 162/027 485 1951 N6700.0 W05000.0/.....

DCT *BDRY 266 FL380 088 489 227 40.0 / 55.6 28 07.15
-CZQX P04 151/031 482 1724 N6446.7 W05729.5/.....

CYFB 259 FL380 010 45 39.4 / 56.2 06 07.21
P05 160/029 1679 N6418.0 W05849.2/.....

DCT CLAVY 257 FL380 010 490 7 39.3 / 56.2 01 07.22
P05 154/030 482 1673 N6414.0 W05900.0/.....

DCT MUSVA 292 FL380 034 492 106 37.9 / 57.6 12 07.34
-CZUL P07 151/024 499 1567 N6400.0 W06300.0/.....

DCT TEFFO 266 FL380 052 494 130 36.3 / 59.3 16 07.50
P09 174/014 487 1438 N6248.0 W06700.0/.....

DCT 6270N 268 FL380 045 495 96 35.0 / 60.5 12 08.02
62N070W P09 217/010 485 1341 N6200.0 W07000.0/.....

----- ETOPS ENTRY (CYFB) 0075 NM BEFORE 5880N EET 08:41 -----

DCT 5880N 246 FL380 019 497 384 29.9 / 65.6 48 08.50
-CZWG 58N080W P09 277/043 471 957 N5800.0 W08000.0/.....

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*CFP 1      243 FL380 019          497  76      28.9 / 66.6  10 09.00
-CZUL      CYFB          P09 280/059 463 881 N5707.7 W08141.3 ...../.....

----- ETOPS EXIT (CYYQ) 0159 NM BEFORE TASLI EET 09:00 -----

DCT      TASLI      239 FL380 017          494 159      26.6 / 68.9  21 09.21
          P05 276/092 435 722 N5513.3 W08500.0 ...../.....

          CYQT      227 FL380 020          79      25.5 / 70.0  11 09.32
          P03 267/094          643 N5410.5 W08621.6 ...../.....

DCT      ELVEL      225 FL380 029          491 233      22.1 / 73.5  33 10.05
          P00 265/106 419 411 N5100.0 W09000.0 ...../.....

DCT      *BDRY      208 FL380 034          491 183      19.4 / 76.1  25 10.30
-KZMP          P01 256/084 436 228 N4812.7 W09152.1 ...../.....

DCT      KP18I      204 *DES 034          14      19.2 / 76.3  02 10.32
          P01 256/083          214 N4800.0 W09200.0 ...../.....

          KMSP      209 FL360 035          72      18.3 / 77.3  10 10.42
          P06 245/095          142 N4655.9 W09249.7 ...../.....

DCT      *TOD      208 FL360 032          498  36      17.7 / 77.8  05 10.47
          P05 244/073 438 106 N4624.0 W09313.6 ...../.....

DCT      GOLLF      207 *DES 036          44      17.6 / 77.9  07 10.54
          P11 243/035          62 N4545.2 W09342.0 ...../.....

GEP1     OLLEE      159 *DES 036          14      17.6 / 78.0  02 10.56
          P11 235/032          48 N4532.1 W09334.9 ...../.....

GEP1     SAUGR      159 *DES 036          12      17.5 / 78.1  03 10.59
          P11 228/031          36 N4520.9 W09328.9 ...../.....

GEP1     GEP        159 *DES 036 117.30          13      17.4 / 78.2  02 11.01
GOPHER MINNEAPOLIS P10 211/029          23 N4508.7 W09322.4 ...../.....

GEP1     VYKES      159 *DES 036          7      17.4 / 78.2  02 11.03
          P09 196/029          16 N4502.2 W09318.9 ...../.....

GEP1     KMSP/30R  151 842 036          16      17.0 / 78.5  06 11.09
MINNEAPOLIS-ST PAUL          N4452.9 W09311.7 ...../.....

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WIND INFORMATION - OBS 29/SEP 06:00

(CLIMB)

ND			ROPOK			LANIT					
FL280	302/074	-38	FL330	310/080	-50	FL380	296/036	-54	FL380	286/031	-56
FL230	296/065	-24	FL310	310/077	-46	FL360	295/029	-55	FL360	273/024	-56
FL170	287/043	-13	FL290	309/070	-42	FL340	294/020	-55	FL340	250/019	-57
FL110	267/020	-2	FL270	306/059	-38	FL320	285/015	-51	FL320	250/016	-52
FL050	190/005	+7	FL250	301/049	-34	FL300	266/010	-47	FL300	250/013	-48

IDOKA

GD			KULEG			LANSO					
FL380	274/031	-56	FL380	265/032	-54	FL380	258/029	-53	FL380	253/025	-52
FL360	262/028	-57	FL360	245/033	-55	FL360	244/030	-54	FL360	244/025	-53
FL340	248/027	-57	FL340	228/039	-56	FL340	231/034	-55	FL340	234/027	-54
FL320	239/027	-53	FL320	221/043	-52	FL320	229/035	-52	FL320	233/027	-52
FL300	230/027	-48	FL300	216/048	-48	FL300	227/036	-48	FL300	231/028	-50

OKUDI

VEKIL			SUTEV			UPEVA					
FL380	247/022	-51	FL380	242/020	-51	FL400	248/021	-49	FL400	259/016	-47
FL360	237/022	-52	FL360	226/020	-52	FL380	240/022	-50	FL380	249/018	-47
FL340	226/022	-53	FL340	209/022	-53	FL360	231/023	-51	FL360	238/022	-49
FL320	228/021	-51	FL320	205/022	-52	FL340	222/025	-52	FL340	230/027	-50
FL300	229/021	-50	FL300	200/021	-50	FL320	215/026	-51	FL320	226/030	-50

NORVA

6900E			6910N			6920N					
FL400	321/015	-45	FL400	356/044	-48	FL400	356/054	-59	FL400	351/026	-63
FL380	319/014	-44	FL380	358/050	-48	FL380	356/062	-59	FL380	352/028	-63
FL360	313/012	-44	FL360	360/058	-48	FL360	357/068	-58	FL360	348/028	-60
FL340	303/010	-44	FL340	001/066	-48	FL340	358/074	-56	FL340	344/029	-56
FL320	270/011	-44	FL320	002/072	-48	FL320	357/072	-52	FL320	347/030	-51

6930N

6750N			CLAVY			MUSVA					
FL400	172/010	-62	FL420	164/023	-53	FL420	157/022	-50	FL420	158/018	-49
FL380	172/015	-63	FL400	164/025	-54	FL400	156/026	-50	FL400	154/021	-49
FL360	178/018	-60	FL380	163/028	-54	FL380	154/031	-51	FL380	152/024	-49
FL340	182/021	-57	FL360	161/030	-55	FL360	151/038	-53	FL360	150/030	-51
FL320	179/018	-53	FL340	160/032	-56	FL340	148/045	-55	FL340	148/035	-52

TEFFO

5880N			TASLI			ELVEL					
FL420	182/012	-48	FL420	280/041	-48	FL420	280/079	-52	FL420	269/095	-57
FL400	177/013	-48	FL400	278/043	-47	FL400	278/085	-52	FL400	268/103	-57
FL380	174/014	-48	FL380	277/044	-47	FL380	277/093	-52	FL380	266/106	-56
FL360	174/015	-49	FL360	279/043	-48	FL360	279/103	-52	FL360	261/095	-54
FL340	174/016	-50	FL340	280/043	-48	FL340	281/115	-52	FL340	255/084	-52

(DESCENT)

FL350	250/055	-50
FL280	250/049	-34
FL210	253/039	-17
14000	236/025	-4
7000	178/023	+5

END FLIGHTPLAN 03459 TCC316C PJTGE URSS-KMSP 29SEP2019

[ATC FLIGHTPLAN]

(FPL-TCC316C-IN
-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2
-URSS1715
-K0942F280 BIN02B BINOL W79 ADNET R709 ROPTA/N0503F300 R709
LENIR/N0503F290 B820 SUDIR/N0494F315 B145 ER/N0491F330 G128
NEGAR/N0485F350 G128 KA/N0489F340 R833 LANIT R11 BUTRI N39 TE
T563 GD R369 AJ R900 OKUDI T561 SPB T562 RATLA/N0487F360 DCT
SUTEV P998 SLU T320 MIMKI DCT NORVA DCT 69N000E/M085F360 69N010W
69N020W 69N030W 68N040W/M084F380 67N050W DCT CLAVY/N0490F380 DCT
MUSVA DCT TEFFO DCT 62N070W 58N080W DCT TASLI DCT ELVEL DCT
KP18I/N0494F360 DCT GOLLF GEP1
-KMSP1109 KORD
-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/190929 REG/PJTGE
EET/UUWV0100 ULLL0209 EFIN0239 ESAA0312 ENOR0341 ENOB0357
BIRD0428 69N010W0455 69N020W0522 BGG0531 69N030W0549
68N040W0617 67N050W0647 CZQX0715 CZUL0734 62N070W0802 CZWG0850
KZMP1030
SEL/EGAP CODE/484DC7 RVR/75 OPR/TRADEWIND CARIBBEAN
ORGN/TNCCTCAP PER/C
RALT/CYFB
RMK/TCAS
-E/1350)

[PLANNING WEATHER]

ORIGIN: URSS/AER (SOCHI, RUSSIAN FEDERATION) UTC +03:00

URSS 291330Z 18003MPS 140V210 9999 SCT027 21/16 Q1016 R02/010070
R06/010070 NOSIG RMK R06/17003MPS MT OBSC QFE761
URSS 291055Z 2912/3012 23005MPS 9999 SCT030
TEMPO 2912/2915 18006MPS
BECMG 2916/2917 05006MPS
BECMG 3006/3007 23005MPS

DESTINATION: KMSP/MSP (MINNEAPOLIS-ST PAUL INTL/WOLD-, UNITED STATE UTC -05:00)

KMSP 291353Z 09014KT 4SM BR OVC008 11/09 A3016 RMK A02 DZE08 SLP215 P0000
T01060094
KMSP 291152Z 2912/3018 09013KT 4SM -SHRA BR BKN008 OVC013
FM291400 10013G19KT 4SM -DZ BR OVC009
FM300400 13011KT 4SM -SHRA BR OVC005 WS020/17045KT
FM301200 18010KT 4SM -SHRA BR BKN015

ALTERNATE: KORD/ORD (OHARE INTL, UNITED STATES) UTC -05:00

KORD 291351Z 07008KT 6SM BR OVC004 17/16 A3018 RMK A02 RAB24E48 SLP220
P0000 T01670161 \$
KORD 291138Z 2912/3018 07011KT 6SM -SHRA BR OVC005
FM291600 09010KT 3SM BR OVC004
FM300100 11006KT 2SM -DZ OVC003
FM300900 16008KT 5SM BR SCT010 BKN040
FM301400 19012G21KT P6SM SCT040

EDTO AIRPORT: CYFB/YFB (IQALUIT, CANADA) UTC -04:00

CYFB 291348Z 13003KT 5/8SM R34/3000V5000FT/U -DZ BR VV004 02/02 A2969 RMK
FG8 SLP059
AMD CYFB 291223Z 2912/3012 14007KT 1/2SM -RA FG OVC002
TEMPO 2912/3012 6SM BR SCT006 OVC012
RMK NXT FCST BY 291800Z

ADEQUATE: UDD/DME (DOMODEDOVO, RUSSIAN FEDERATION) UTC +03:00

UDD 291330Z 18003MPS 8000 OVC017 09/07 Q1008 R88/290042 NOSIG
UDD 291059Z 2912/3018 17006MPS 3100 -RA BR BKN005 OVC008 TX14/3012Z
TN07/3002Z
TEMPO 2912/3004 1000 -SHRA BR BKN002 SCT012CB
FM300600 19008MPS 8000 SCT011
TEMPO 3009/3018 19008G15MPS 3100 -SHRA BKN015CB

ADEQUATE: ULLI/LED (PULKOVO, RUSSIAN FEDERATION) UTC +03:00

ULLI 291330Z 14004MPS 8000 -SHRA BKN006 BKN026CB OVC040 09/07 Q0999
R88/290050 NOSIG RMK OBST OBSC
ULLI 291057Z 2912/3012 16004G09MPS 6000 BKN011 BKN020
TEMPO 2912/2915 3100 -SHRA BR BKN006 BKN017CB
BECMG 2915/2917 19003G08MPS
TEMPO 2915/3006 2100 -SHRA BR BKN003 BKN011CB
TEMPO 3006/3012 3100 -SHRA BKN011 BKN020CB

ADEQUATE: ENBO/BOO (BODO, NORWAY)

UTC +02:00

ENBO 291350Z 35009KT 9999 SCT035 08/M00 Q0992 NOSIG
COR ENBO 2912/3012 34012KT 9999 FEW015TCU SCT030
BECMG 2917/2919 09008KT

ADEQUATE: BIAR/AEY (AKUREYRI, ICELAND)

UTC +00:00

BIAR 291300Z 11004KT CAVOK 07/M01 Q1019 RMK WIND VADLAHEIDI 10704KT
AMD BIAR 291102Z 2912/3012 33005KT CAVOK TX09/2915Z TN03/3006Z

ADEQUATE: BGSF/SFJ (KANGERLUSSUAQ, GREENLAND)

UTC -02:00

BGSF 291350Z AUTO 07009KT 9999NDV BKN130/// 09/00 Q1018
AMD BGSF 291207Z 2912/3018 06010KT 9999 BKN130

ADEQUATE: CYYQ/YYQ (CHURCHILL, CANADA)

UTC -05:00

CYYQ 291300Z 28013KT 15SM FEW040 M00/M03 A3026 RMK SC1 SC TR SLP252
CYYQ 291143Z 2912/3012 31015G25KT P6SM FEW020 BKN040
TEMPO 2912/3003 SCT040
BECMG 2913/2915 31020G30KT
FM300300 31012G22KT P6SM SCT020 BKN030
TEMPO 3003/3012 BKN020
RMK NXT FCST BY 291800Z

ADEQUATE: CYQT/YQT (THUNDER BAY, CANADA)

UTC -04:00

CYQT 291300Z 00000KT 20SM SCT024 BKN040 BKN140 05/04 A3041 RMK SC3SC2AC2
SLP310
CYQT 291338Z 2914/3002 VRB03KT P6SM SCT020 BKN040
TEMPO 2914/2921 BKN020
BECMG 2914/2916 08012KT
FM292100 10012KT P6SM SCT020 BKN040
TEMPO 2921/3002 BKN020
BECMG 2922/2924 10012G22KT
RMK NXT FCST BY 292000Z

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/2 TRACKS FLS 310/390 INCLUSIVE
SEP 29/1130Z TO SEP 29/1900Z
PART ONE OF TWO PARTS-

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

B ERAKA 60/20 61/30 61/40 60/50 URTAK
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 PIKIL 57/20 58/30 57/40 55/50 LOMSI
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

F 47/40 44/50 42/60 DOVEY
EAST LVLS NIL
WEST LVLS 320 340 360 380
EUR RTS WEST
NAR NIL-

END OF PART ONE OF TWO PARTS)

(NAT-2/2 TRACKS FLS 310/390 INCLUSIVE
SEP 29/1130Z TO SEP 29/1900Z
PART TWO OF TWO PARTS-

G 44/40 42/50 SOORY
EAST LVLS NIL
WEST LVLS 320 340 360 380
EUR RTS WEST
NAR NIL-

REMARKS.

1. TMI IS 272 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 30/0100Z TO SEP 30/0800Z

PART ONE OF THREE PARTS-

Q TUDEP 52/50 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 N447A N441A-

R ALLRY 51/50 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 N391A N385B N381B-

S ELSIR 50/50 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 N333B N329B N323A-

T IBERG 4930/50 5030/40 5130/30 5130/20 ADARA LEKVA
EAST LVLS 350 360 370 380 390
WEST LVLS NIL
EUR RTS EAST NIL
NAR N301B N291A-

END OF PART ONE OF THREE PARTS)

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

SEP 30/0100Z TO SEP 30/0800Z

PART TWO OF THREE PARTS-

U JOOPY 49/50 50/40 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 N269A N255A-

V MUSAK 4830/50 4930/40 5030/30 5030/20 RODEL EPUNA
EAST LVLS 350 360 370 380 390

WEST LVLS NIL
EUR RTS EAST NIL
NAR N237A N225A-

W NICS0 48/50 49/40 50/30 50/20 SOMAX ATSUR
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N211E N193A-

X PORTI 47/50 48/40 49/30 49/20 BEDRA NASBA
EAST LVLS 320 330 350 360 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N155A N133A-

Y DOVEY 42/60 44/50 44/40
EAST LVLS 330 370
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 320/400 INCLUSIVE
SEP 30/0100Z TO SEP 30/0800Z
PART THREE OF THREE PARTS-

Z SOORY 42/50 46/40 48/30 48/20 48/15 OMOKO GUNSO
EAST LVLS 320 360 380 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

REMARKS:

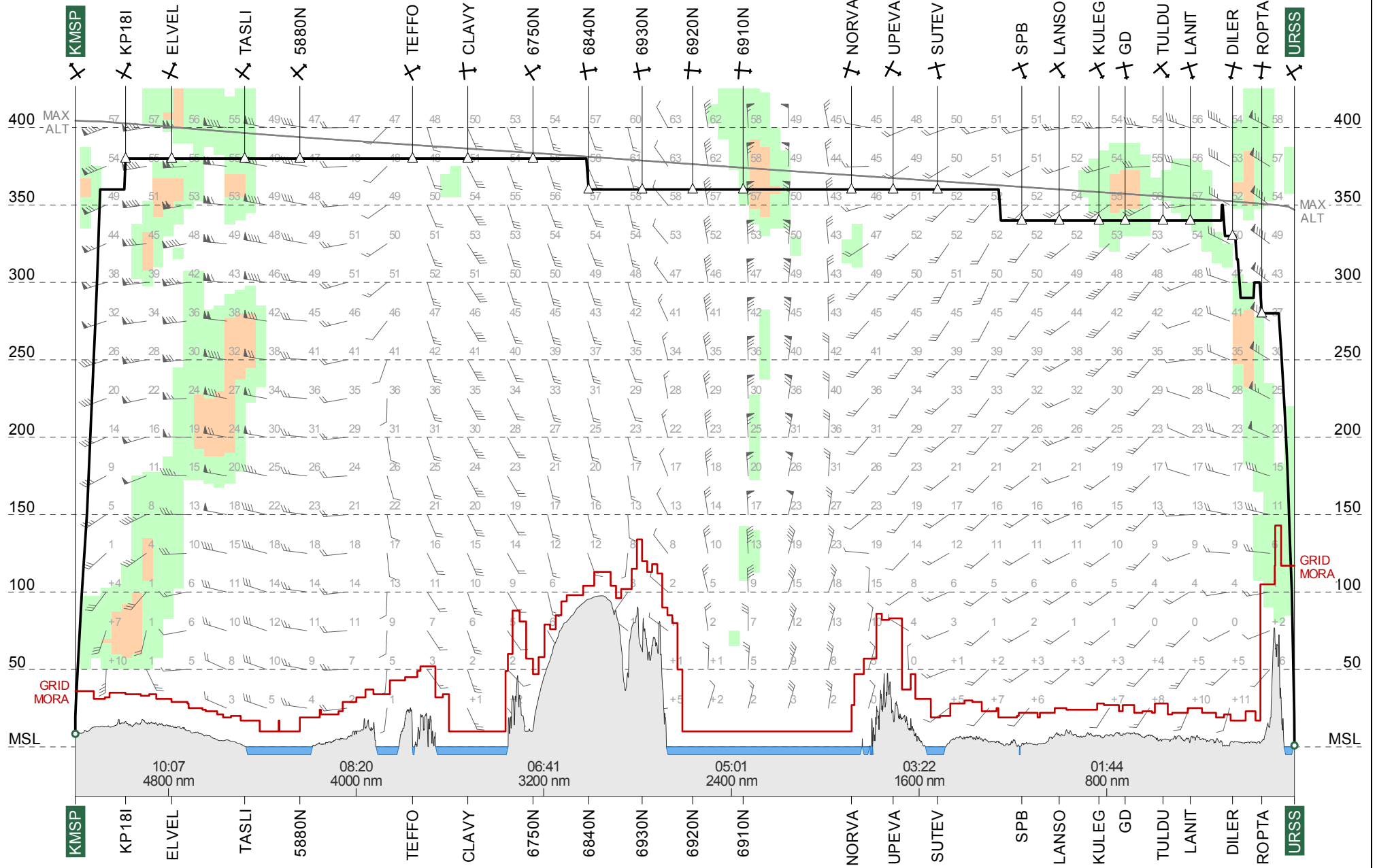
- 1.TMI IS 273 AND OPERATORS ARE REMINDED TO INCLUDE THE NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
- 2.OPERATORS ARE REMINDED THAT ADS-C AND CPDLC ARE MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
- 3.PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS
TRACK S
TRACK T
TRACK U
TRACK V
TRACK W
END 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.FL320 EXPIRES AT 0600Z AT 30W ON TRACK Z.-

END OF PART THREE OF THREE PARTS)

TR316C #2

KMSP ← — URSS

ETD 29 Sep 17:15z
PJTGE B77L



Route Chart

ETOPS 120

TR316C #2
URSS-KMSP

29 Sep 2019
PJTGE B77L

Lambert Conical Projection
Standard Parallels: 51N and 60N



Wind Chart

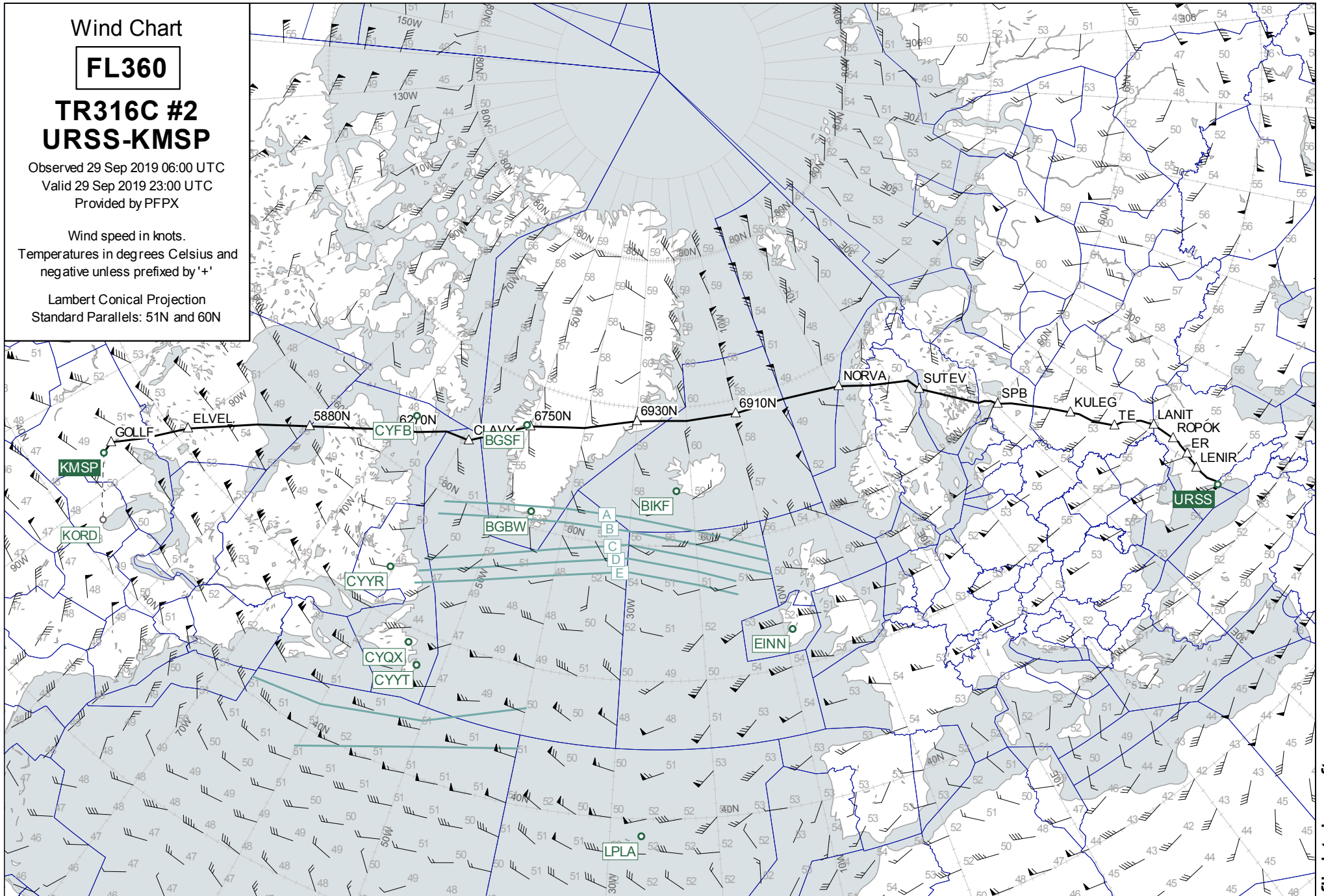
FL360

TR316C #2 URSS-KMSP

Observed 29 Sep 2019 06:00 UTC
Valid 29 Sep 2019 23:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 51N and 60N



Wind Chart

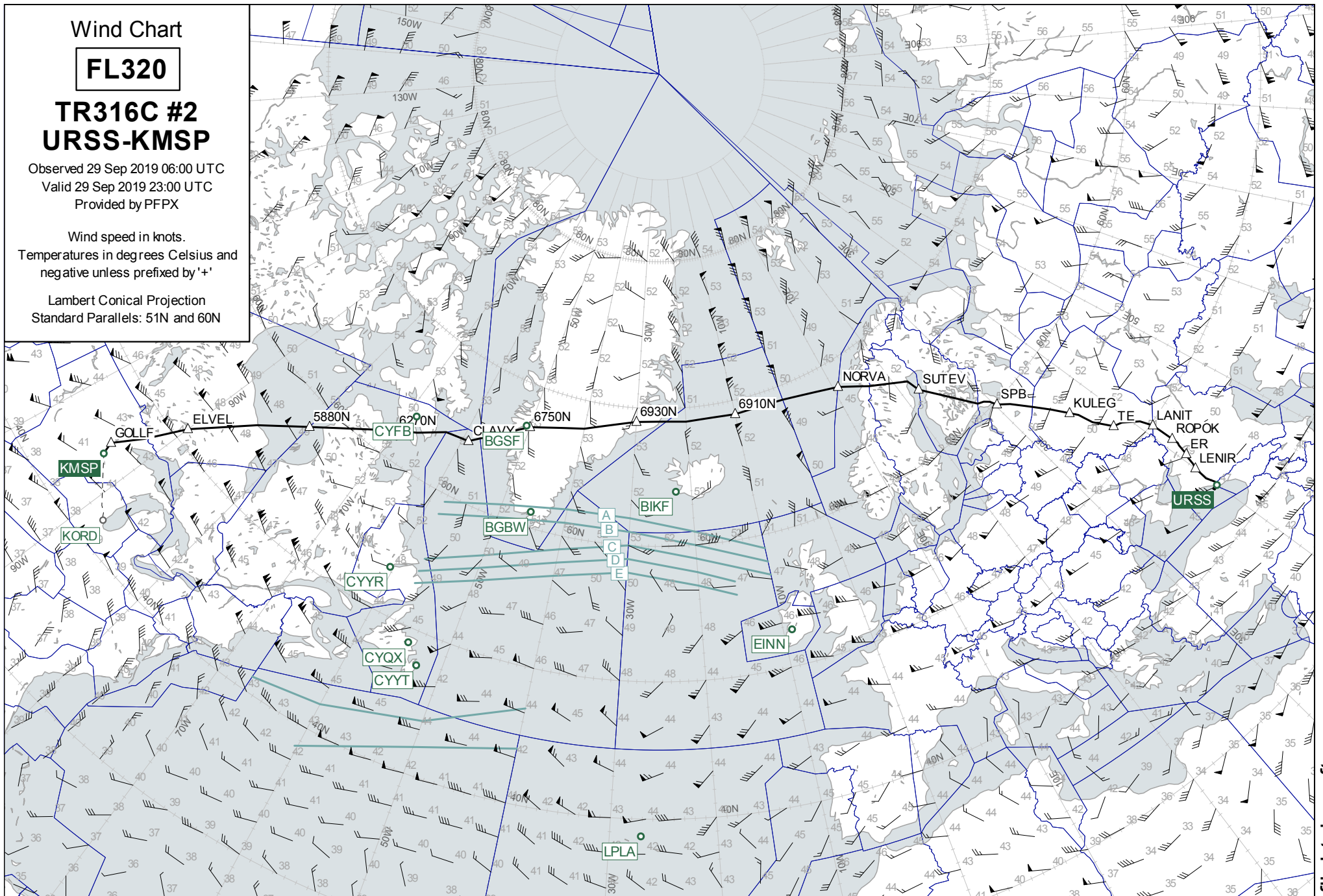
FL320

TR316C #2 URSS-KMSP

Observed 29 Sep 2019 06:00 UTC
Valid 29 Sep 2019 23:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 51N and 60N



Wind Chart

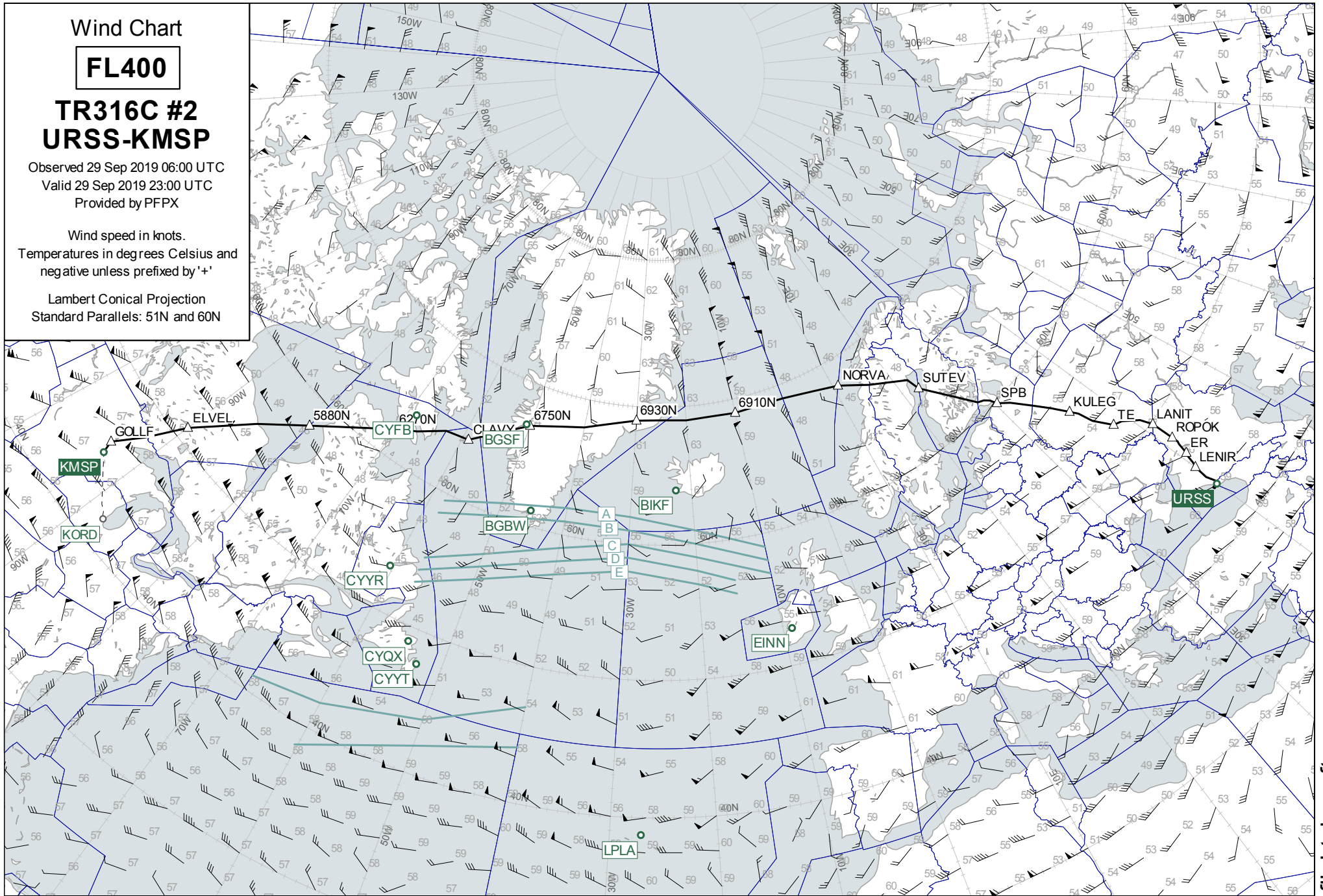
FL400

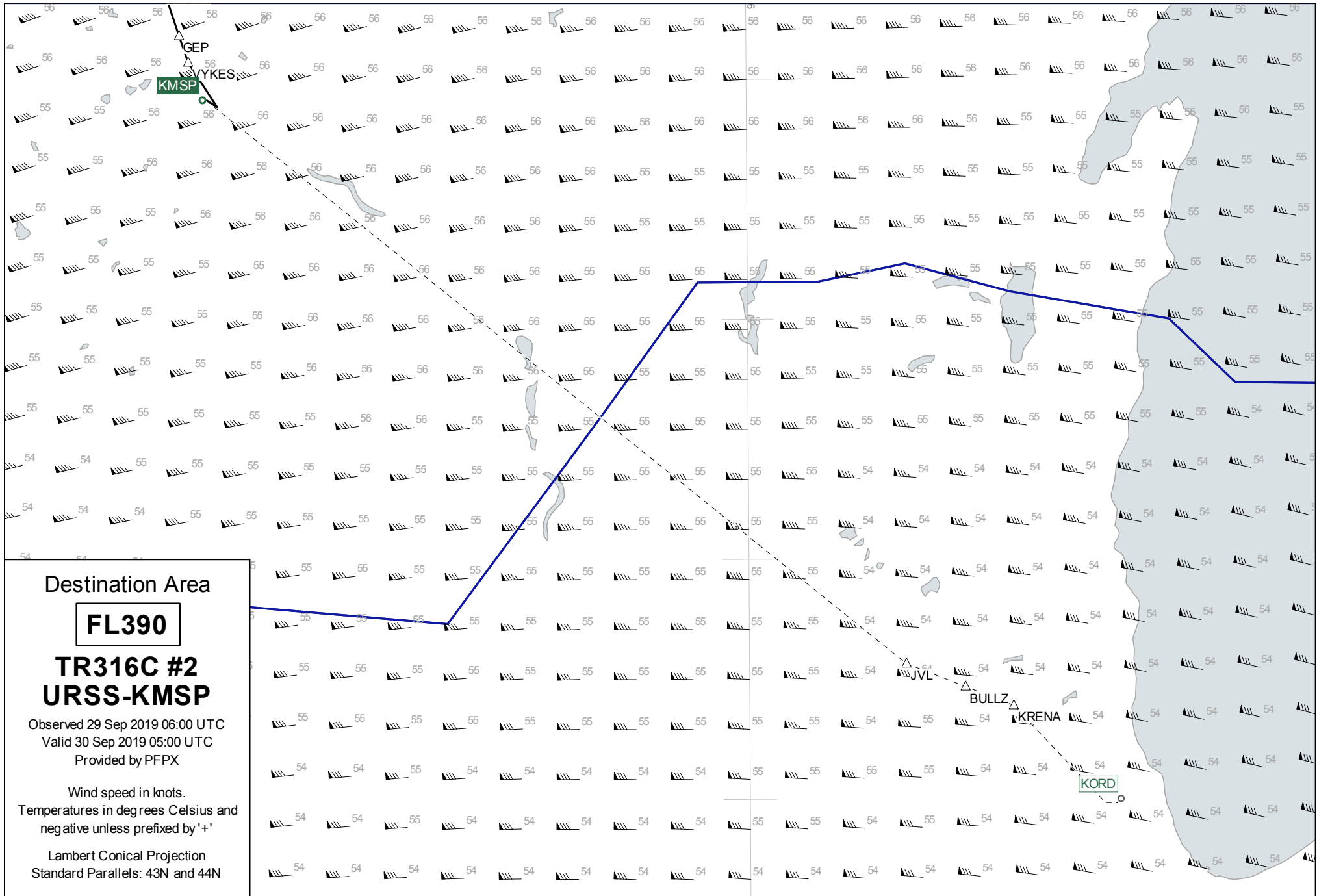
TR316C #2 URSS-KMSP

Observed 29 Sep 2019 06:00 UTC
Valid 29 Sep 2019 23:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 51N and 60N





Destination Area

FL390

TR316C #2
URSS-KMSP

Observed 29 Sep 2019 06:00 UTC
Valid 30 Sep 2019 05:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 43N and 44N

Plotting Chart
TR316C #2
URSS-KMSP

29 Sep 2019
 PJTGE B77L

Lambert Conical Projection
 Standard Parallels: 56N and 62N

