



**Tradewind VA**



**Flight Briefing Package**

**TCC216C KBOS-URSS**

**22-Sep-2018 #2**

RELEASE #2

LOGAN INTL  
(UNITED STATES)

-

SOCHI  
(RUSSIAN FEDERATION)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

22 SEP 2028 UTC

<b>Fuel Planning (kg)</b>	<b>EU-OPS</b>	<b>Fuel</b>	<b>Time</b>
TRIP		55.203	08:19
CONT 5%		2.760	00:28
HOLD	URSS	2.003	00:20
ALTN	LTCG	3.988	00:32
FINAL RESV		3.004	00:30
ADD FUEL		1.512	00:15
MIN T/O		68.470	10:24
EXTRA		1.502	00:15
TAXI		780	00:15
RELEASE	KBOS	70.752	10:54
ARR FUEL	URSS	14.405	02:12

<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		70.752	162.613
Ramp Weight		251.902	348.359
Take-Off Weight KBOS		251.122	347.452
Landing Weight URSS	Limit	195.919	223.167
Underload		27.248	Lim LDW

<b>Cost Planning</b>		
Flight Time	08:19\$	47.180
Fuel	56.347\$	18.144
Total	\$	65.324
Per Pax		\$ 246
Per 5.000 kg Payload		\$ 13.063

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC216C PJTGE KBOS-URSS

ALL WEIGHTS IN KILOGRAMS (KG) STD 22SEP/2155Z

OPF 2 - PREPARED 22SEP/2028Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR216C/TCC216C PJTGE/B777-2LR GE SEL/EGAP ROUTE: KBOSURSS02

DEP: KBOS/BOS 33L ELEV 19 FT COST INDEX: 250 TTL G/C DIST: 4463 NM
ARR: URSS/AER 02 ELEV 89 FT INIT ALT: FL350 TTL F/P DIST: 4643 NM
FUEL BIAS: 100.5% TTL AIR DIST: 3986 NM
AVG WIND CMP: TL079 KT

ALT: LTCG/TZX 29 ELEV 104 FT 177 NM

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

Table with columns: FUEL, CORR, ENDUR. Rows: TRIP, CONT 5%, ALTN LTCG, 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 28750 KG LIM BY LDW
TRIP CORR FOR 5000 KG TOW INCR: +686 KG / 5000 KG TOW DECR: -856 KG
2000 FT LOWER: +1706 KG / EET 08:18 CLB: 250/310/84 DES: 84/320/250

Table with columns: KBOS, URSS, SKD. Rows: STD, STA, SKD. Columns: Time, ETD, ETA, PLN, ACT OFBL, ACT ONBL, EST T/O, EST LDG, EST FLT, ACT T/O, ACT LDG, TTL BLCK, TTL FLT.

\*\*\*\*\* 180 MIN ETOPS CRITICAL FUEL SUMMARY \*\*\*\*\*

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

Table with columns: ETOPS ENTRY, ETOPS EXIT, Distance, Altitude, Weight, EET.

ETOPS ALTNs WX/NOTAM SUITABILITY PERIOD

CYQX (01:27-03:23)
EINN (02:41-03:23)

ONE ENGINE OUT ETP 1 FOR CYQX/EINN N52 50.8 W037 32.7 EET 02:35
1E084/320 DESC TO FL270 CRUISE AT 1E0320 274 NM BEFORE N5330
PLN FUEL OVER ETP 49264 ETP FUEL REQ 19534 DIV TIME 01:58
ETP TO CYQX (N48 56.2 W054 34.0) DIST 685 NM WC HD110 TT 257
ETP TO EINN (N52 42.1 W008 55.4) DIST 1033 NM WC TL062 TT 079

ONE ENGINE OUT DECOMP ETP 1 FOR CYQX/EINN N53 02.7 W035 47.4 EET 02:42
84/320/250 DESC TO FL100 CRUISE AT 1E0320 210 NM BEFORE N5330
PLN FUEL OVER ETP 48517 ETP FUEL REQ 21146 DIV TIME 02:31
ETP TO CYQX (N48 56.2 W054 34.0) DIST 749 NM WC HD065 TT 258
ETP TO EINN (N52 42.1 W008 55.4) DIST 969 NM WC TL023 TT 080

**ALL ENGINE DECOMP ETP 1 FOR CYQX/EINN** N53 02.7 W035 47.4 EET 02:42  
 84/320/250 DESC TO FL100 CRUISE AT AE320 210 NM BEFORE N5330  
 PLN FUEL OVER ETP 48517 ETP FUEL REQ 20176 DIV TIME 02:31  
 ETP TO CYQX (N48 56.2 W054 34.0) DIST 749 NM WC HD065 TT 258  
 ETP TO EINN (N52 42.1 W008 55.4) DIST 969 NM WC TL023 TT 080

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**ATC ROUTE:** N0491F350 LBSTA6 LBSTA DCT EBONY N411B UMESI NATV  
 5130N05000W/M084F350 NATV 5430N02000W/M084F360 NATV KOKIB DCT  
 BOYNE/N0490F360 DCT LAMSO/N0488F370 UL603 EVELI DCT KUMER DCT OMELO  
 L620 ROMIS DCT PITOK DCT BADOR L620 DINRO N743 UDROS UM859 RUVOM  
 UT644 ODIRA/K0906F370 G487 DIRUN DIRU3A

**ALTERNATE PLANNING**

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ALTN/RWY	DIST	ALT/FL	MSA	COMP	TIME	FUEL	DIFF	ROUTE
LTCG/29	177	FL280	136	TL004	00:32	3988	-	PROZR R709 TUDEK DCT NIVAX NIVA1D

MOST CRITICAL MORA 11700 FT AT GOKIN

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AWY -FIR	WAYPOINT NAME	MT	ALT	MSA ISA	FREQ WND/SPD	TAS GS	LEG REM	FUEL POSITION	REM / USED	LEG ETO	ACC ATO
	KBOS/33L LOGAN INTL		19	021				70.0 / 0.8			
							4643	N4221.0 W07059.4	...../.....		
LBSTA6	TEKKK	321	*CLB	049			6	68.8 / 2.0	03	00.03	
				P04	295/016		4636	N4225.0 W07106.9	...../.....		
LBSTA6	CAMWI	353	*CLB	049			6	68.3 / 2.5	01	00.04	
				P07	276/031		4630	N4231.0 W07109.1	...../.....		
LBSTA6	LBSTA	069	*CLB	049			29	66.9 / 3.8	04	00.08	
				P07	271/068		4601	N4248.0 W07037.8	...../.....		
DCT	*TOC	064	FL350	047		491	57	65.4 / 5.4	06	00.14	
				P07	259/115	593	4543	N4326.0 W06938.6	...../.....		
DCT	EBONY	065	FL350	029		491	139	63.8 / 7.0	14	00.28	
				P06	262/136	601	4405	N4454.0 W06709.3	...../.....		
DCT	*BDRY	070	FL350	027		491	7	63.7 / 7.1	01	00.29	
-CZQM				P06	262/137	601	4398	N4458.0 W06702.5	...../.....		
DCT	*BDRY	071	FL350	030		494	311	60.1 / 10.6	31	01.00	
-CZQX				P08	262/123	599	4087	N4753.0 W06049.3	...../.....		

----- 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	(.....)	_____	_____		

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N411B	UMESI	077	FL350	041		498	367	55.9 / 14.8	37	01.37
				P12	236/099	598	3720	N5050.0 W05236.9	...../.....	
N411B	*BDRY	086	FL350	010		498	10	55.8 / 14.9	01	01.38
				P12	235/100	597	3710	N5054.0 W05222.7	...../.....	

NATV **N5150** 087 FL350 010 497 96 54.7 / 16.1 09 01.47  
 5130N05000W P10 228/103 592 3614 N5130.0 W05000.0 ...../.....

----- ETOPS ENTRY (CYQX) 0191 NM BEFORE N5240 EET 02:06 -----

NATV **N5240** 099 FL350 010 491 375 50.3 / 20.4 39 02.26  
 5230N04000W P05 247/087 574 3239 N5230.0 W04000.0 ...../.....

**\*ETP 1** 094 FL350 010 491 156 48.5 / 22.2 16 02.42  
 CYQX/EINN P04 266/086 574 3083 N5302.0 W03547.4 ...../.....

NATV **N5330** 096 FL350 010 490 210 46.1 / 24.7 22 03.04  
 -EGGX 5330N03000W P04 292/091 569 2873 N5330.0 W03000.0 ...../.....

NATV **N5420** 090 \*CLB 010 358 41.8 / 29.0 39 03.43  
 5430N02000W P08 295/064 2515 N5430.0 W02000.0 ...../.....

----- ETOPS EXIT (EINN) 0171 NM BEFORE VENER EET 03:43 -----

NATV **VENER** 098 FL360 010 494 174 39.7 / 31.1 19 04.02  
 P09 269/067 558 2340 N5430.0 W01500.0 ...../.....

NATV **KOKIB** 097 FL360 010 493 35 39.3 / 31.5 03 04.05  
 P08 267/072 564 2305 N5430.0 W01400.0 ...../.....

NATV **\*BDRY** 102 FL360 010 492 79 38.4 / 32.3 09 04.14  
 -EISN P08 262/086 574 2227 N5422.0 W01146.7 ...../.....

DCT **BOYNE** 103 FL360 043 490 224 36.0 / 34.8 23 04.37  
 -EGTT P06 262/118 600 2003 N5346.0 W00530.0 ...../.....

DCT **LAMSO** 101 \*CLB 048 312 32.7 / 38.1 31 05.08  
 -EHAA P05 268/111 1691 N5244.0 E00260.6 ...../.....

UL603 **EVELI** 111 FL370 014 488 15 32.5 / 38.3 01 05.09  
 P04 269/111 590 1676 N5238.0 E00323.2 ...../.....

UL603 **\*BDRY** 101 FL370 024 487 132 31.1 / 39.6 14 05.23  
 -EDVV P03 276/113 593 1544 N5210.0 E00654.9 ...../.....

DCT **KUMER** 102 FL370 052 486 144 29.6 / 41.1 14 05.37  
 -EDUU P03 282/110 596 1400 N5132.0 E01038.1 ...../.....

DCT **OMELO** 105 FL370 052 486 134 28.3 / 42.5 14 05.51  
 P03 288/105 593 1267 N5050.0 E01400.0 ...../.....

DCT **\*BDRY** 123 FL370 047 486 3 28.2 / 42.5 00 05.51  
 -LKAA P03 289/105 592 1264 N5049.0 E01404.7 ...../.....

L620 **KOMUR** 123 FL370 047 487 25 28.0 / 42.8 02 05.53  
 P03 289/103 586 1239 N5034.0 E01435.8 ...../.....

L620 **KOPIT** 132 FL370 077 487 32 27.6 / 43.1 04 05.57  
 P03 290/099 575 1208 N5011.0 E01509.4 ...../.....

L620 **PEMUR** 115 FL370 077 487 17 27.5 / 43.3 01 05.58  
 P02 291/097 585 1191 N5003.0 E01532.2 ...../.....

L620 **HLV** 115 FL370 077 **448.0** 486 89 26.5 / 44.2 10 06.08  
 HOLESOV P02 295/092 580 1102 N4919.0 E01732.7 ...../.....

L620 **ROMIS** 113 FL370 077 486 26 26.3 / 44.5 02 06.10  
 -LZBB P02 295/090 578 1076 N4908.0 E01807.6 ...../.....

DCT **PITOK** 113 FL370 091 486 102 25.2 / 45.6 11 06.21

-LHCC				P02 299/084	571	975	N4819.0	E02022.3	...../.....
DCT	<b>BADOR</b>	118	FL370	086	486	83	24.3 /	46.5	09 06.30
-LRBB				P02 304/079	567	891	N4734.0	E02206.4	...../.....
L620	<b>ROMAG</b>	121	FL370	047	486	16	24.1 /	46.6	01 06.31
				P01 305/077	565	876	N4725.0	E02225.1	...../.....
L620	<b>RILAS</b>	121	FL370	047	486	10	24.0 /	46.7	01 06.32
				P01 306/076	564	866	N4720.0	E02237.6	...../.....
L620	<b>REBLA</b>	121	FL370	084	486	58	23.4 /	47.4	06 06.38
				P01 310/072	560	808	N4646.0	E02345.6	...../.....
L620	<b>TGM</b>	124	FL370	084	<b>428.0</b>	486	23.1 /	47.7	04 06.42
	TARGU MURES			P01 312/068	558	779	N4627.0	E02418.3	...../.....
L620	<b>SOBSA</b>	121	FL370	086	486	40	22.6 /	48.1	04 06.46
				P01 316/065	551	738	N4603.0	E02505.2	...../.....
L620	<b>LAPKA</b>	121	FL370	106	485	75	21.8 /	48.9	08 06.54
				P00 322/062	546	663	N4518.0	E02631.5	...../.....
L620	<b>RIVOS</b>	122	FL370	082	485	62	21.1 /	49.6	07 07.01
				P00 328/057	539	601	N4439.0	E02739.2	...../.....
L620	<b>DINRO</b>	133	FL370	028	486	76	20.3 /	50.5	09 07.10
-LBSR				P00 330/044	532	525	N4342.0	E02848.4	...../.....
N743	<b>UDROS</b>	120	FL370	025	486	97	19.1 /	51.6	11 07.21
-LTBB				P00 320/034	520	428	N4244.0	E03036.7	...../.....
N743	<b>*BDRY</b>	092	FL370	010	486	18	18.9 /	51.8	02 07.23
-LTAA				P00 317/034	518	410	N4242.0	E03100.1	...../.....
UM859	<b>BAMUP</b>	092	FL370	010	487	45	18.4 /	52.4	05 07.28
				P01 317/034	513	364	N4235.0	E03201.0	...../.....
UM859	<b>ABKEV</b>	093	FL370	010	487	1	18.4 /	52.4	00 07.28
				P01 317/034	513	363	N4235.0	E03203.8	...../.....
UM859	<b>BIMVO</b>	093	FL370	027	487	49	17.8 /	52.9	06 07.34
				P01 320/036	514	314	N4227.0	E03308.9	...../.....
UM859	<b>VEPUM</b>	094	FL370	027	487	13	17.7 /	53.1	01 07.35
				P01 321/037	514	302	N4225.0	E03325.0	...../.....
UM859	<b>RERVA</b>	094	FL370	027	487	21	17.4 /	53.3	03 07.38
				P01 323/038	514	280	N4222.0	E03354.5	...../.....
UM859	<b>RUVOM</b>	094	FL370	027	487	23	17.1 /	53.6	03 07.41
				P02 325/039	515	258	N4218.0	E03424.6	...../.....
UT644	<b>ODIRA</b>	071	FL370	022	489	114	15.8 /	55.0	13 07.54
-URRV				P02 322/037	504	143	N4243.0	E03655.8	...../.....
G487	<b>*TOD</b>	061	*DES	010		19	15.5 /	55.2	03 07.57
				P02 322/038		124	N4250.0	E03719.3	...../.....
G487	<b>DEMED</b>	061	*DES	010		23	15.5 /	55.3	03 08.00
				P04 309/022		100	N4259.0	E03749.6	...../.....
G487	<b>KEPOL</b>	062	*DES	010		8	15.5 /	55.3	01 08.01
				P05 301/018		92	N4302.0	E03759.3	...../.....
G487	<b>DIRUN</b>	062	*DES	010		9	15.4 /	55.3	01 08.02

			P06 291/014	83	N4305.0 E03810.3	...../.....
DIRU3A	<b>GOKIN</b>	079	*DES 117	49	15.2 / 55.6	08 08.10
			P08 254/005	34	N4309.0 E03918.7	...../.....
DIRU3A	<b>URSS/02</b>	052	89 117	34	14.8 / 56.0	09 08.19
	SOCHI				N4326.0 E03957.6	...../.....

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**WIND INFORMATION - OBS 22/SEP 12:00**

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<b>(CLIMB)</b>			<b>EBONY</b>			<b>UMESI</b>			<b>N5150</b>		
FL340	258/117	-45	FL390	263/139	-55	FL390	238/093	-45	FL390	232/100	-47
FL270	264/089	-31	FL370	263/139	-52	FL370	238/097	-43	FL370	230/102	-46
FL200	273/064	-17	FL350	263/137	-48	FL350	237/100	-42	FL350	228/104	-44
13000	276/040	-4	FL330	263/130	-44	FL330	236/101	-40	FL330	226/104	-42
6000	305/018	+6	FL310	265/119	-41	FL310	236/099	-39	FL310	224/104	-40
<b>N5240</b>			<b>N5330</b>			<b>VENER</b>			<b>BOYNE</b>		
FL390	252/098	-58	FL390	296/090	-57	FL400	270/065	-49	FL400	264/105	-52
FL370	250/095	-54	FL370	295/091	-54	FL380	270/066	-48	FL380	263/114	-52
FL350	247/088	-49	FL350	293/092	-51	FL360	270/067	-48	FL360	263/119	-50
FL330	244/083	-45	FL330	292/086	-47	FL340	270/068	-47	FL340	262/124	-48
FL310	241/080	-40	FL310	291/075	-42	FL320	269/064	-47	FL320	263/121	-45
<b>EVELI</b>			<b>KUMER</b>			<b>OMELO</b>			<b>HLV</b>		
FL410	272/100	-56	FL410	282/099	-57	FL410	287/094	-57	FL410	294/083	-59
FL390	271/110	-55	FL390	283/109	-57	FL390	289/104	-57	FL390	295/091	-58
FL370	270/112	-53	FL370	283/110	-54	FL370	289/106	-54	FL370	295/092	-54
FL350	269/112	-50	FL350	282/110	-50	FL350	288/106	-50	FL350	294/092	-50
FL330	268/111	-46	FL330	282/109	-46	FL330	288/105	-46	FL330	293/091	-46
<b>PITOK</b>			<b>RILAS</b>			<b>SOBSA</b>			<b>RIVOS</b>		
FL410	299/076	-59	FL410	305/069	-60	FL410	315/059	-60	FL410	323/050	-60
FL390	301/083	-58	FL390	307/076	-59	FL390	319/066	-59	FL390	329/059	-60
FL370	300/084	-55	FL370	306/077	-55	FL370	317/065	-56	FL370	329/058	-56
FL350	298/084	-50	FL350	304/077	-51	FL350	313/063	-51	FL350	326/054	-52
FL330	297/083	-46	FL330	302/076	-46	FL330	309/062	-46	FL330	323/050	-47
<b>UDROS</b>			<b>BIMVO</b>			<b>ODIRA</b>			<b>(DESCENT)</b>		
FL410	313/032	-59	FL410	311/034	-59	FL410	314/036	-58	FL360	268/016	-54
FL390	318/034	-59	FL390	317/036	-58	FL390	322/039	-57	FL290	213/007	-40
FL370	320/034	-56	FL370	320/037	-56	FL370	322/038	-55	FL220	236/007	-23
FL350	323/034	-52	FL350	322/037	-52	FL350	322/036	-52	FL140	221/004	-5
FL330	323/034	-48	FL330	324/037	-48	FL330	319/032	-48	FL070	153/004	+9

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**END FLIGHTPLAN 02544 TCC216C PJTGE KBOS-URSS 22SEP2018**



[ATC FLIGHTPLAN]

(FPL-TCC216C-IS  
-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2  
-KBOS2155  
-N0491F350 LBSTA6 LBSTA DCT EBONY N411B UMESI NATV  
5130N05000W/M084F350 NATV 5430N02000W/M084F360 NATV KOKIB DCT  
BOYNE/N0490F360 DCT LAMSO/N0488F370 UL603 EVELI DCT KUMER DCT  
OMELO L620 ROMIS DCT PITOK DCT BADOR L620 DINRO N743 UDROS UM859  
RUVOM UT644 ODIRA/K0906F370 G487 DIRUN DIRU3A  
-URSS0819 LTCG  
-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/180922 REG/PJTGE  
EET/CZQM0029 CZQX0100 N51500147 N52400226 EGGX0304 N54200343  
VENER0402 KOKIB0405 EISN0414 EGTT0437 EHAA0508 EDVV0523 EDUU0537  
LKAA0551 LZBB0610 LHCC0621 LRBB0630 LBSR0710 LTBB0721 LTAA0723  
URRV0754  
SEL/EGAP CODE/484DC7 RVR/75 OPR/TRADEWIND CHARTER  
ORGN/TNCCTCAP PER/C  
RALT/CYQX EINN  
RMK/TCAS  
-E/1039)

[PLANNING WEATHER]

**ORIGIN: KBOS/BOS (LOGAN INTL, UNITED STATES)**

**UTC -04:00**

KBOS 221954Z 31011KT 10SM FEW045 FEW150 BKN250 21/08 A3013 RMK A02 SLP201  
VIRGA ALQDS T02060078  
KBOS 221722Z 2218/2324 35010G18KT P6SM FEW030 SCT130 BKN250  
FM222100 36007KT P6SM FEW130 BKN250  
FM230100 36006KT P6SM SCT250  
FM231500 04004KT P6SM SCT250  
FM231700 11004KT P6SM SCT250  
FM231900 15004KT P6SM SCT250

**DESTINATION: URSS/AER (SOCHI, RUSSIAN FEDERATION)**

**UTC +03:00**

URSS 221930Z 04004MPS 9999 NSC 19/17 Q1016 R02/090070 R06/090070 NOSIG RMK  
R06/08003MPS MT OBSC QFE761  
URSS 221657Z 2218/2318 05005MPS 9999 SCT030CB BKN100  
BECMG 2307/2309 27004G09MPS  
TEMPO 2312/2318 VRB07G12MPS -TSRA

**ALTERNATE: LTCG/TZX (TRABZON INTL, TURKEY)**

**UTC +03:00**

LTCG 221950Z VRB02KT 9999 BKN035 22/18 Q1017 NOSIG RMK RWY29 VRB02KT  
LTCG 221640Z 2218/2318 21008KT 9999 BKN035  
TEMPO 2218/2222 -SHRA SCT012 BKN028  
TEMPO 2303/2307 -TSRA FEW020CB BKN028  
BECMG 2304/2307 30012KT  
TEMPO 2307/2311 30018G30KT 3500 TSRA SCT020CB BKN028  
BECMG 2314/2317 22008KT

**EDTO AIRPORT: CYQX/YQX (GANDER INTL, CANADA)**

**UTC -02:30**

CYQX 221945Z 22022G32KT 10SM -RA SCT016 BKN045 BKN074 16/14 A2948 RMK  
SC45C2AC1 SLP989 DENSITY ALT 1300FT  
CYQX 221741Z 2218/2318 19028G38KT P6SM -RA OVC040  
TEMPO 2218/2220 3SM -SHRA BR BKN020 OVC040  
FM222000 25020G35KT P6SM BKN030  
TEMPO 2220/2223 6SM -RA BR BKN020  
FM222300 27018G28KT P6SM SCT025  
FM230300 27012G22KT P6SM FEW030  
FM231500 24012G22KT P6SM FEW030 SCT200  
BECMG 2317/2318 24015G25KT RMK NXT FCST BY 230000Z

**EDTO AIRPORT: EINN/SNN (SHANNON, IRELAND)**

**UTC +01:00**

EINN 222000Z 04004KT 9999 FEW015 BKN030 10/08 Q1017 NOSIG  
EINN 221700Z 2218/2318 07010KT 9999 FEW025  
BECMG 2218/2220 02005KT  
BECMG 2220/2223 34010KT

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

**UTC +01:00**

EGCC 221950Z AUTO VRB01KT 9999 SCT047 08/08 Q1016 NOSIG  
EGCC 221700Z 2218/2324 23007KT 9999 SCT040  
BECMG 2309/2312 31010KT  
TEMPO 2309/2317 6000 SHRA  
PROB30 TEMPO 2313/2317 32015G25KT

**EHAM/AMS (SCHIPHOL, NETHERLANDS)**

**UTC +02:00**

EHAM 221955Z 19005KT 160V220 9999 -RA FEW010 BKN045 12/10 Q1017 TEMPO 7000  
COR EHAM 221706Z 2218/2324 21010KT 9999 -RA BKN030  
PROB30 TEMPO 2218/2302 6000 RA SCT015 BKN030  
BECMG 2300/2303 VRB03KT NSW  
BECMG 2307/2309 02005KT 7000 -RA SCT015 BKN025  
PROB40 TEMPO 2308/2314 4500 RA BKN015  
BECMG 2314/2316 33013KT 9999 NSW SCT020  
PROB40 TEMPO 2315/2318 34015G28KT 6000 SHRA SCT020CB

**EDDP/LEJ (LEIPZIG-HALLE, GERMANY)**

**UTC +02:00**

EDDP 221950Z 26015KT CAVOK 15/04 Q1018 NOSIG  
EDDP 221700Z 2218/2318 24010KT CAVOK  
BECMG 2305/2308 17005KT  
TEMPO 2310/2312 RA BKN012

**LHBP/BUD (LISZT FERENC INTL, HUNGARY)**

**UTC +02:00**

LHBP 222000Z VRB03KT CAVOK 11/10 Q1022 NOSIG  
LHBP 221715Z 2218/2318 23005KT CAVOK  
BECMG 2220/2222 VRB03KT  
BECMG 2305/2308 20007KT  
BECMG 2313/2316 13006KT

**LROP/OTP (HENRI COANDA, ROMANIA)**

**UTC +03:00**

LROP 222000Z 24005KT CAVOK 19/12 Q1016 NOSIG  
LROP 221700Z 2218/2318 25006KT CAVOK  
BECMG 2304/2306 09010KT  
BECMG 2316/2318 VRB04KT

**LTBA/IST (ATATURK INTL, TURKEY)**

**UTC +03:00**

LTBA 221950Z 03007KT 010V110 7000 NSC 22/19 Q1017 NOSIG RMK RWY17L 03004KT  
350V060 RWY05 03007KT RWY23 04006KT  
LTBA 221640Z 2218/2324 03007KT CAVOK  
BECMG 2222/2302 4000 BR BKN022  
PROB30 2303/2305 2000  
BECMG 2306/2309 9999 NSW FEW033

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/2 TRACKS FLS 310/390 INCLUSIVE  
SEP 22/1130Z TO SEP 22/1900Z  
PART ONE OF TWO PARTS-

A SOMAX 49/20 48/30 47/40 45/50 RAFIN  
EAST LVLS NIL  
WEST LVLS 310 320 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

B BEDRA 48/20 47/30 46/40 44/50 BOBTU JAROM  
EAST LVLS NIL  
WEST LVLS 310 320 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

C OMOKO 48/15 47/20 46/30 45/40 43/50 JEBBY CARAC  
EAST LVLS NIL  
WEST LVLS 310 320 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

D ETIKI 47/15 46/20 45/30 44/40 42/50 42/60 DOVEY  
EAST LVLS NIL  
WEST LVLS 310 320 340 350 360 370 380 390  
EUR RTS WEST REGHI  
NAR NIL-

E SEPAL 46/15 45/20 44/30 43/40 41/50 41/60 JOBOC  
EAST LVLS NIL  
WEST LVLS 310 320 340 350 360 370 380 390  
EUR RTS WEST LAPEX  
NAR NIL-

END OF PART ONE OF TWO PARTS)

(NAT-2/2 TRACKS FLS 310/390 INCLUSIVE  
SEP 22/1130Z TO SEP 22/1900Z  
PART TWO OF TWO PARTS-

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

REMARKS.

1. TMI IS 265 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  
NO ASSIGNED PBCS TRACKS  
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](http://WWW.PARIS.ICAO.INT).
5. 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

SEP 23/0100Z TO SEP 23/0800Z

PART ONE OF THREE PARTS-

S NEEKO 54/50 55/40 56/30 57/20 SUNOT KESIX  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N561A N559A-

T RIKAL 53/50 54/40 55/30 56/20 PIKIL SOVED  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N505A N499A-

U TUDEP 52/50 53/40 54/30 55/20 RESNO NETKI  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N445A N439A-

V UMESI 5130/50 5230/40 5330/30 5430/20 VENER KOKIB  
EAST LVLS 350 360 370 380 390  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N417B N409A-

END OF PART ONE OF THREE PARTS)

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

SEP 23/0100Z TO SEP 23/0800Z

PART TWO OF THREE PARTS-

W ALLRY 51/50 52/40 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 N389B N377A-

X ELSIR 50/50 51/40 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 N329B N319A-

Y JOOPY 49/50 50/40 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 N269A N253A-

END OF PART TWO OF THREE PARTS)

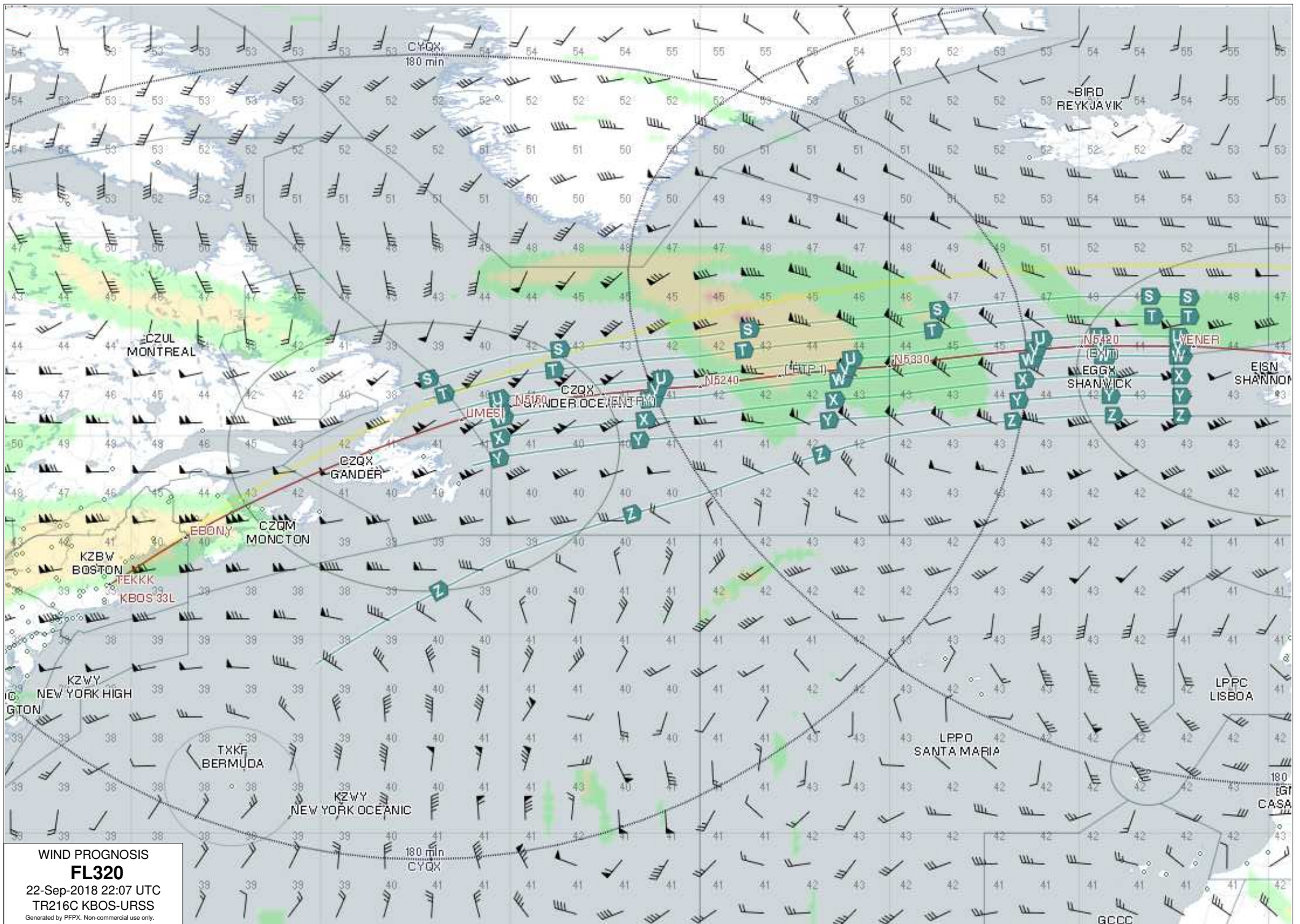
(NAT-3/3 TRACKS FLS 320/400 INCLUSIVE  
SEP 23/0100Z TO SEP 23/0800Z  
PART THREE OF THREE PARTS-

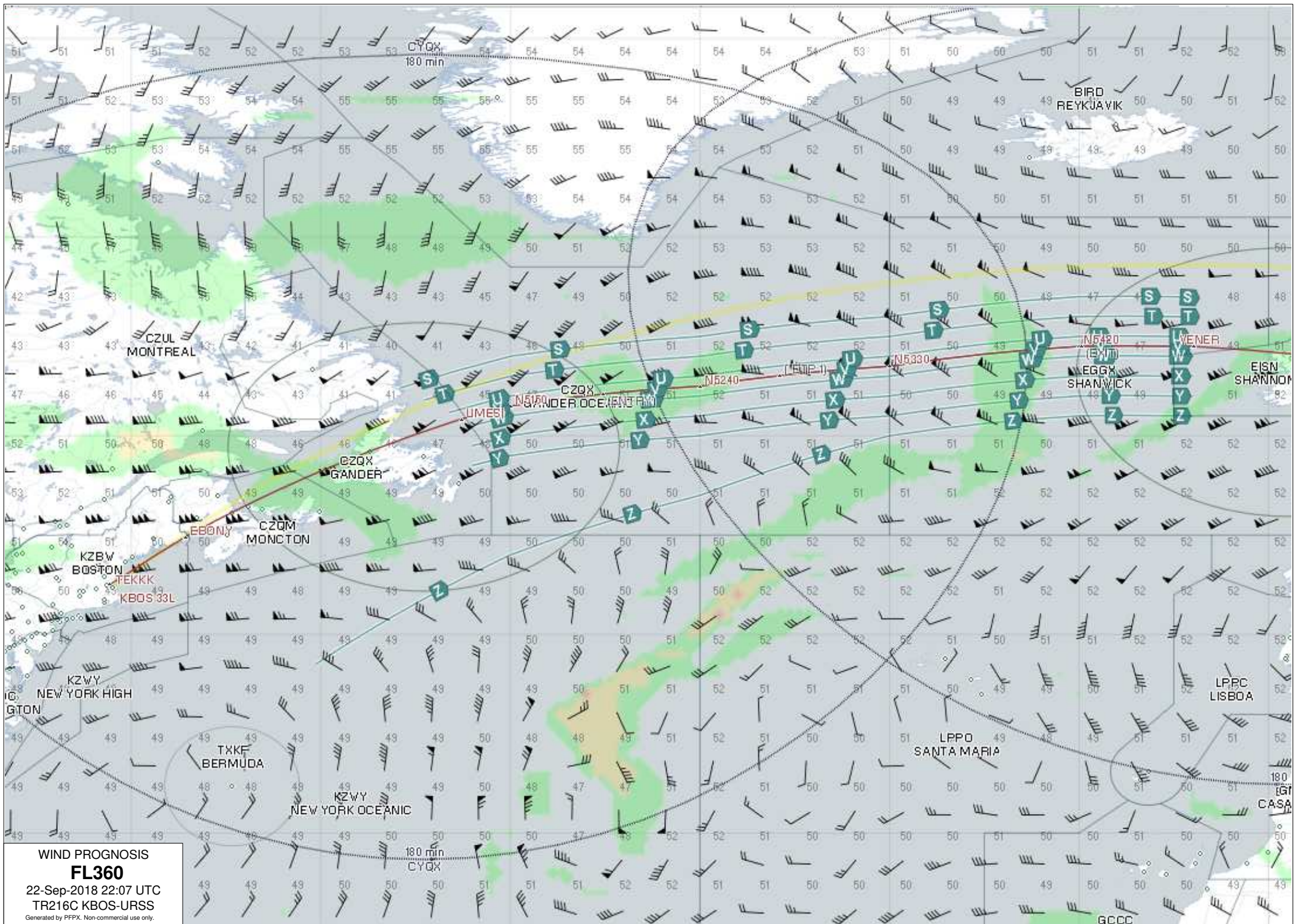
Z SOORY 44/50 47/40 50/30 51/20 DINIM ELSOX  
EAST LVLS 320 380 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR NIL-

REMARKS:

- 1.AMENDMENT NUMBER 1 TRACKS ARE AMENDED DUE TO COORDINATES ON TRACK V.  
TMI IS 266A 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 ARE MANDATED FOR LEVELS 350-390 I NAT AIRSPACE.
- 3.PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS  
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.-

END OF PART THREE OF THREE PARTS)



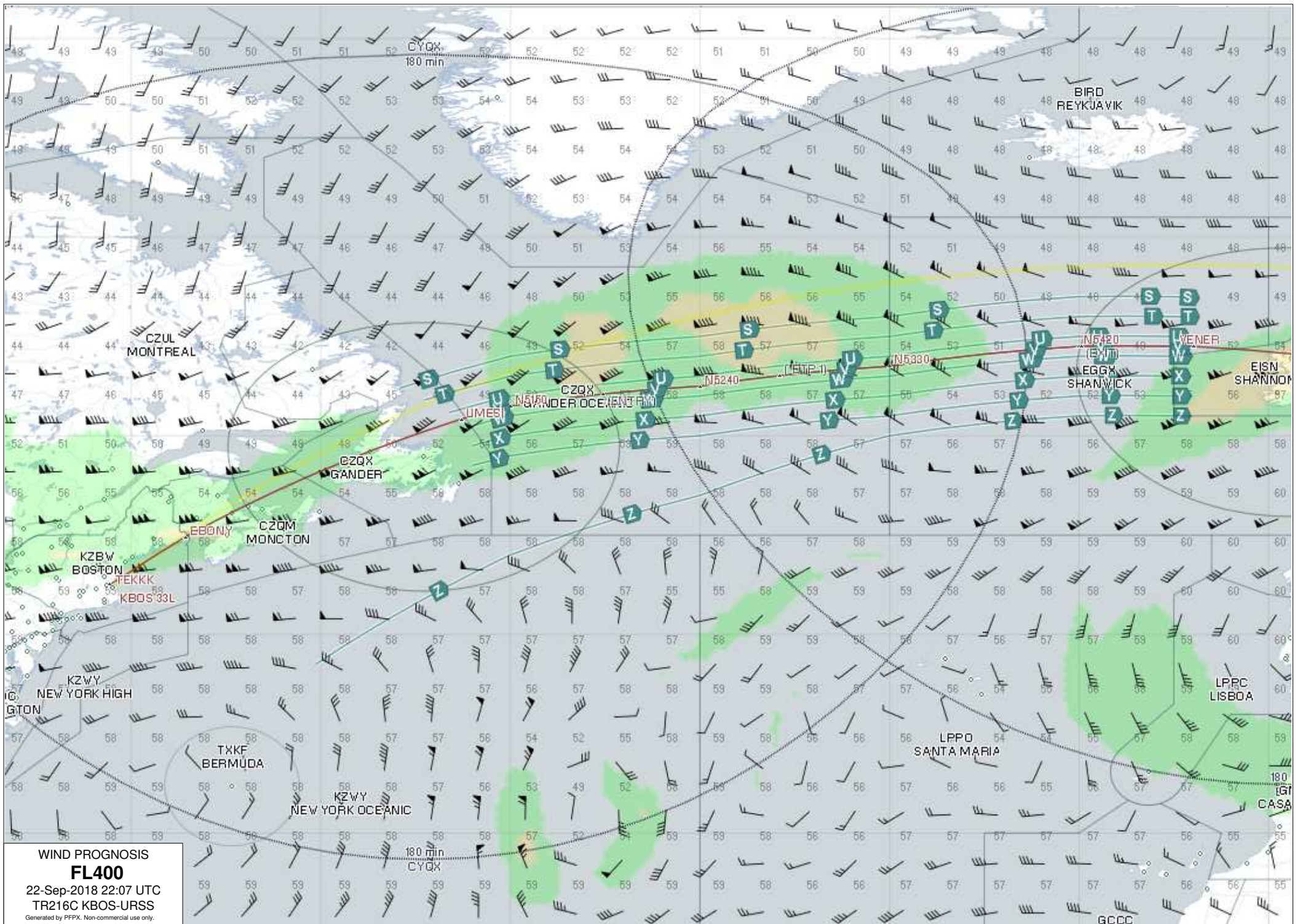


WIND PROGNOSIS  
**FL360**

22-Sep-2018 22:07 UTC  
 TR216C KBOS-URSS

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WIND PROGNOSIS  
**FL400**

22-Sep-2018 22:07 UTC  
 TR216C KBOS-URSS

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