



Flight Briefing Package

TCC318B WSSS-KORD

22-Sep-2024 #1

RELEASE #1

CHANGI
(SINGAPORE)

-

CHICAGO OHARE INTL
(UNITED STATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

22 SEP 1500 UTC

TCC318B WSSS-KORD (22-Sep-2024) #1

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC318B PJTGD WSSS-KORD

 ALL WEIGHTS IN KILOGRAMS (KG) STD 22SEP/1635Z

OPF 1 - PREPARED 22SEP/1500Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR318B/TCC318B PJTGD/B777-2LR GE SEL/EFAD ROUTE: WSSSKORD01

DEP: WSSS/SIN 20C ELEV 22 FT COST INDEX: 250 TTL G/C DIST: 8136 NM
 ARR: KORD/ORD 28C ELEV 680 FT INIT ALT: FL310 TTL F/P DIST: 8572 NM
 FUEL BIAS: 102.5% TTL AIR DIST: 7838 NM
 AVG WIND CMP: TL046 KT

ALT: KMKE/MKE 25L ELEV 728 FT 65 NM

CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM	ZFW	TOW	LDW
STANDARD	156746	265	0	31270	18409 LDW	MAX 209106	348882	223167
						PLN 188016	327239	204758
						ACT .....	.....	.....

 ** TAKE-OFF DATA WSSS 20C **

COND: 327239 KG // RWY DRY // +30•C Q1009 150/08 // LMT: STRUCT
 CONFIG: FLAPS 15 // D-TO +39C // A/I OFF/AUTO // A/C ON
 SPEEDS: V1=162 VR=168 V2=172
 ENG OUT: AT 10 DME 'VTK' 116.50 LT TO 'HOSBA' [34 DME R 079 'SJ' 113.50] (259 INBD,RT)

	FUEL	CORR	ENDUR	
TRIP	122481	.....	15:56	
CONT 5%	6124	.....	00:57	
ALTN KMKE	1901	.....	00:18	
FINAL RESV	3199	.....	00:30	
HOLD	2133	.....	00:20	
ADD FUEL	1785	.....	00:17	
MIN T/O	137623	.....	18:18	.....
EXTRA	1600	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	1005	.....	00:15	
RELEASE	140228	.....	18:48	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	16072	.....	02:27	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 20009 KG LIM BY LDW
 TRIP CORR FOR 5000 KG TOW INCR: +1684 KG / 5000 KG TOW DECR: -1534 KG
 2000 FT LOWER: +1955 KG / EET 15:50 CLB: 250/310/84 DES: 84/320/250

WSSS	STD 16:35Z/00:35L	ETD 16:35Z	ACT OFBL	EST T/O 16:50Z	ACT T/O
KORD	STA 09:15Z/04:15L	ETA 08:56Z	ACT ONBL	EST LDG 08:46Z	ACT LDG
	SKD 16:40	PLN 16:21	TTL BLCK	EST FLT 15:56	TTL FLT

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (VVTS) 154 NM BEFORE DOSUT N14 55.4 E112 10.5 EET 02:06

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ETOPS EXIT (RCTP)	93 NM BEFORE KAPLI	N20 02.9 E116 21.2	EET 02:52
ETOPS ENTRY (RCTP)	87 NM BEFORE ESBIS	N30 08.9 E126 17.4	EET 04:27
ETOPS EXIT (RJCC)	123 NM BEFORE NOMAS	N37 31.1 E136 08.4	EET 05:38
ETOPS ENTRY (RJCC)	170 NM BEFORE PUGAL	N43 35.1 E150 53.7	EET 07:01
ETOPS EXIT (PASY)	37 NM BEFORE POWAL	N49 51.3 E164 19.1	EET 08:05
ETOPS ENTRY (PASY)	144 NM BEFORE CRYPT	N54 55.3 W175 02.8	EET 09:33
ETOPS EXIT (PANC)	378 NM BEFORE GRIZZ	N56 49.1 W160 02.4	EET 10:35
ETOPS ENTRY (PANC)	130 NM BEFORE BKA	N57 04.8 W139 29.8	EET 11:52
ETOPS EXIT (PANC)	315 NM BEFORE WASEN	N54 00.2 W124 54.1	EET 12:47

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

VVTS (19:56-20:50)
RCTP (20:37-23:51)
RJCC (23:22-02:22)
PASY (01:46-04:43)
PANC (04:21-08:04)

ONE ENGINE OUT DECOMP ETP 1 FOR VVTS/RCTP	N17 12.6 E113 48.3	EET 02:26
84/320/250 DESC TO FL100 CRUISE AT 1E0320	75 NM BEFORE DULOP	
PLN FUEL OVER ETP 114159 ETP FUEL REQ 15866	DIV TIME 01:34	
ETP TO VVTS (N10 49.2 E106 39.7) DIST 566 NM	WC HD016 TT 228	
ETP TO RCTP (N25 04.8 E121 13.9) DIST 630 NM	WC TL024 TT 040	
*** FUEL DUMP REQUIRED ***		

ALL ENGINE DECOMP ETP 1 FOR VVTS/RCTP	N17 12.6 E113 48.3	EET 02:26
84/320/250 DESC TO FL100 CRUISE AT AE320	75 NM BEFORE DULOP	
PLN FUEL OVER ETP 114159 ETP FUEL REQ 15095	DIV TIME 01:34	
ETP TO VVTS (N10 49.2 E106 39.7) DIST 566 NM	WC HD016 TT 228	
ETP TO RCTP (N25 04.8 E121 13.9) DIST 630 NM	WC TL024 TT 040	
*** FUEL DUMP REQUIRED ***		

ONE ENGINE OUT ETP 1 FOR VVTS/RCTP	N17 25.8 E113 57.8	EET 02:28
1E084/320 DESC TO FL204 CRUISE AT 1E0320	59 NM BEFORE DULOP	
PLN FUEL OVER ETP 113884 ETP FUEL REQ 16091	DIV TIME 01:24	
ETP TO VVTS (N10 49.2 E106 39.7) DIST 582 NM	WC HD012 TT 228	
ETP TO RCTP (N25 04.8 E121 13.9) DIST 614 NM	WC TL010 TT 040	
*** FUEL DUMP REQUIRED ***		

ONE ENGINE OUT ETP 2 FOR RCTP/RJCC	N33 47.3 E130 31.5	EET 05:00
1E084/320 DESC TO FL210 CRUISE AT 1E0320	34 NM BEFORE STOUT	
PLN FUEL OVER ETP 92124 ETP FUEL REQ 18251	DIV TIME 01:42	
ETP TO RCTP (N25 04.8 E121 13.9) DIST 714 NM	WC HD020 TT 225	
ETP TO RJCC (N42 46.5 E141 41.6) DIST 753 NM	WC TL012 TT 041	
*** FUEL DUMP REQUIRED ***		

ONE ENGINE OUT DECOMP ETP 2 FOR RCTP/RJCC	N33 55.7 E130 41.7	EET 05:02
84/320/250 DESC TO FL100 CRUISE AT 1E0320	22 NM BEFORE STOUT	
PLN FUEL OVER ETP 91950 ETP FUEL REQ 18756	DIV TIME 02:00	
ETP TO RCTP (N25 04.8 E121 13.9) DIST 726 NM	WC HD014 TT 225	
ETP TO RJCC (N42 46.5 E141 41.6) DIST 741 NM	WC HD001 TT 041	
*** FUEL DUMP REQUIRED ***		

ALL ENGINE DECOMP ETP 2 FOR RCTP/RJCC	N33 55.7 E130 41.7	EET 05:02
84/320/250 DESC TO FL100 CRUISE AT AE320	22 NM BEFORE STOUT	
PLN FUEL OVER ETP 91950 ETP FUEL REQ 17865	DIV TIME 02:00	
ETP TO RCTP (N25 04.8 E121 13.9) DIST 726 NM	WC HD014 TT 225	

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ETP TO RJCC (N42 46.5 E141 41.6) DIST 741 NM WC HD001 TT 041
 *** FUEL DUMP REQUIRED ***

ONE ENGINE OUT ETP 3 FOR RJCC/PASY N46 01.5 E156 24.0 EET 07:28
 1E084/320 DESC TO FL235 CRUISE AT 1E0320 221 NM BEFORE PASRO
 PLN FUEL OVER ETP 72763 ETP FUEL REQ 17685 DIV TIME 01:40
 ETP TO RJCC (N42 46.5 E141 41.6) DIST 660 NM WC HD042 TT 258
 ETP TO PASY (N52 42.7 E174 06.8) DIST 798 NM WC TL043 TT 053
 *** FUEL DUMP REQUIRED ***

ONE ENGINE OUT DECOMP ETP 3 FOR RJCC/PASY N46 37.0 E157 27.6 EET 07:33
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 165 NM BEFORE PASRO
 PLN FUEL OVER ETP 72094 ETP FUEL REQ 17934 DIV TIME 01:58
 ETP TO RJCC (N42 46.5 E141 41.6) DIST 711 NM WC HD008 TT 257
 ETP TO PASY (N52 42.7 E174 06.8) DIST 742 NM WC TL011 TT 054
 *** FUEL DUMP REQUIRED ***

ALL ENGINE DECOMP ETP 3 FOR RJCC/PASY N46 37.0 E157 27.6 EET 07:33
 84/320/250 DESC TO FL100 CRUISE AT AE320 165 NM BEFORE PASRO
 PLN FUEL OVER ETP 72094 ETP FUEL REQ 17111 DIV TIME 01:58
 ETP TO RJCC (N42 46.5 E141 41.6) DIST 711 NM WC HD008 TT 257
 ETP TO PASY (N52 42.7 E174 06.8) DIST 742 NM WC TL011 TT 054
 *** FUEL DUMP REQUIRED ***

ONE ENGINE OUT ETP 4 FOR PASY/PANC N55 38.3 W168 26.9 EET 10:00
 1E084/320 DESC TO FL255 CRUISE AT 1E0320 281 NM BEFORE CUDDA
 PLN FUEL OVER ETP 54246 ETP FUEL REQ 16021 DIV TIME 01:31
 ETP TO PASY (N52 42.7 E174 06.8) DIST 636 NM WC HD023 TT 261
 ETP TO PANC (N61 10.5 W149 59.9) DIST 666 NM WC HD003 TT 053
 *** FUEL DUMP REQUIRED ***

ONE ENGINE OUT DECOMP ETP 4 FOR PASY/PANC N55 44.0 W167 54.8 EET 10:02
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 262 NM BEFORE CUDDA
 PLN FUEL OVER ETP 53975 ETP FUEL REQ 16383 DIV TIME 01:51
 ETP TO PASY (N52 42.7 E174 06.8) DIST 655 NM WC HD007 TT 261
 ETP TO PANC (N61 10.5 W149 59.9) DIST 648 NM WC HD010 TT 052
 *** FUEL DUMP REQUIRED ***

ALL ENGINE DECOMP ETP 4 FOR PASY/PANC N55 44.0 W167 54.8 EET 10:02
 84/320/250 DESC TO FL100 CRUISE AT AE320 262 NM BEFORE CUDDA
 PLN FUEL OVER ETP 53975 ETP FUEL REQ 15639 DIV TIME 01:51
 ETP TO PASY (N52 42.7 E174 06.8) DIST 655 NM WC HD007 TT 261
 ETP TO PANC (N61 10.5 W149 59.9) DIST 648 NM WC HD010 TT 052
 *** FUEL DUMP REQUIRED ***

ATC ROUTE: N0507F310 VMR9B VMR M771 DULOP DCT KAPLI DCT MKG DCT APU B576
 FITCH/N0506F330 B576 SALMI DCT MIKES OTR30 ESBIS Z40 FUE Y60 ISAKY
 Y28 DGC Y14 SAMON Z17 MRE V31 HWE DCT NANNO DCT PUGAL/M083F350 A590
 POWAL R451 WALLT DCT DRAPP A342 CRYPT DCT CUDDA/N0498F370 DCT GRIZZ
 DCT BKA DCT LVD DCT YYD DCT WASEN DCT WALSH DCT KATEN DCT FAR J36
 ODI DCT JVL JVL1

ALTERNATE PLANNING

 ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE

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KMKE/25L 65 7000 035 HD007 00:18 1901 - OBK

MOST CRITICAL MORA 15500 FT AT APU

AWY -FIR	WAYPOINT NAME	MT	ALT	MSA ISA	FREQ WND/SPD	TAS GS	LEG REM	FUEL REM / USED POSITION	LEG ETO / ATO	ACC
	WSSS/20C CHANGI		22 034					139.2 / 1.0 N0121.7 E10359.9/.....	
VMR9B	IBIXU	203	*CLB 034 P14	034 227/005		6 8566	137.8 / 2.4 N0116.4 E10357.7	03 00.03/.....		
VMR9B	IBIVA	203	*CLB 034 P14	034 241/007		3 8564	137.6 / 2.6 N0113.9 E10356.6	01 00.04/.....		
VMR9B	DUBOT	139	*CLB 034 P14	034 257/011		7 8557	137.1 / 3.1 N0108.8 E10401.1	01 00.05/.....		
VMR9B	ADPON	052	*CLB 024 P14	024 257/010		5 8552	136.8 / 3.4 N0112.1 E10405.2	01 00.06/.....		
VMR9B	SALRU	029	*CLB 024 P15	024 256/009		6 8546	136.6 / 3.6 N0117.0 E10408.0	01 00.07/.....		
VMR9B	VTK TEKONG SINGAPORE	320	*CLB 024 P16	024 116.50 255/008		10 8535	136.1 / 4.1 N0124.9 E10401.3	01 00.08/.....		
VMR9B -WMFC	*BDRY	342	*CLB 024 P16	024 246/004		3 8533	136.0 / 4.2 N0127.7 E10400.5	01 00.09/.....		
VMR9B -WSJC	AKOMA	342	*CLB 034 P16	034 092/014		19 8514	135.3 / 4.9 N0145.4 E10354.7	02 00.11/.....		
VMR9B -WMFC	VMR MERSING JOHOR BAHRU	356	*CLB 047 P15	047 116.80 081/032		38 8476	134.0 / 6.2 N0223.3 E10352.3	05 00.16/.....		
M771	*TOC	032	FL310 P14	047 076/040		507 479 8454	133.4 / 6.8 N0241.4 E10403.6	03 00.19/.....		
M771	RAXIM	032	FL310 P14	047 076/040		507 478 8429	132.9 / 7.3 N0303.3 E10417.2	03 00.22/.....		
M771 -WSJC	OTLON	032	FL310 P14	010 076/040		507 478 8423	132.8 / 7.4 N0307.9 E10420.1	01 00.23/.....		
M771	VISAT	032	FL310 P14	010 076/039		507 478 8401	132.4 / 7.9 N0326.3 E10431.6	02 00.25/.....		
M771	DUBSA	032	FL310 P14	010 076/039		508 479 8375	131.8 / 8.4 N0349.0 E10445.7	04 00.29/.....		
M771	DAMOG	032	FL310 P14	011 076/039		508 479 8347	131.3 / 8.9 N0412.4 E10500.2	03 00.32/.....		
M771	DOLOX	032	FL310 P14	010 074/036		508 480 8304	130.5 / 9.8 N0448.7 E10522.8	06 00.38/.....		

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	VVTS	033	FL310	011		83	128.9 / 11.4	10	00.48
				P15 085/030		8221	N0558.4 E10608.3/.....	
M771	DUDIS	033	FL310	010	509	74	127.5 / 12.8	09	00.57
-VVTS				P15 072/025	488	8148	N0700.0 E10648.6/.....	
M771	DAGAG	033	FL310	010	509	177	124.2 / 16.1	22	01.19
				P15 067/022	490	7970	N0927.8 E10826.5/.....	
M771	SUDUN	034	FL310	010	509	38	123.5 / 16.8	04	01.23
				P16 073/022	491	7932	N0959.6 E10847.7/.....	
M771	DAMVO	034	FL310	057	510	80	122.0 / 18.3	10	01.33
				P16 075/015	498	7852	N1106.5 E10932.7/.....	
M771	DOXAR	034	FL310	057	510	90	120.4 / 19.9	11	01.44
				P16 068/008	503	7762	N1222.0 E11022.7/.....	
M771	NITOM	035	FL310	010	510	27	119.9 / 20.4	03	01.47
				P16 075/008	503	7735	N1244.5 E11038.4/.....	
M771	DAMEL	036	FL310	010	511	90	118.3 / 22.0	11	01.58
				P17 060/009	502	7645	N1358.7 E11130.6/.....	
M771	72PCA	036	FL310	010	511	43	117.5 / 22.7	05	02.03
-ZJSA	PCA078172			P17 038/006	503	7602	N1434.0 E11155.5/.....	
M771	DONDA	036	FL310	010	511	10	117.3 / 22.9	01	02.04
				P17 025/005	504	7592	N1442.2 E11201.3/.....	
----- ETOPS ENTRY (VVTS) 0154 NM BEFORE DOSUT EET 02:06 -----									
M771	DOSUT	036	FL310	014	512	170	114.4 / 25.9	20	02.24
-VHHK				P18 171/003	515	7422	N1702.0 E11340.8/.....	
	*ETP 1	037	FL310	010	512	29	113.9 / 26.3	04	02.28
-ZJSA	VVTS/RCTP			P18 164/002	515	7393	N1725.8 E11357.8/.....	
M771	DULOP	037	FL310	010	512	59	112.9 / 27.4	07	02.35
-VHHK				P18 153/004	515	7334	N1814.2 E11432.6/.....	
----- ETOPS EXIT (RCTP) 0093 NM BEFORE KAPLI EET 02:52 -----									
DCT	KAPLI	047	FL310	014	513	243	108.7 / 31.5	28	03.03
-RCAA				P18 047/005	507	7091	N2110.0 E11730.0/.....	
DCT	MKG	042	FL310	015	115.20	188	105.5 / 34.7	22	03.25
	MAGONG PENGHU I.			P18 239/002	514	6903	N2335.7 E11938.2/.....	
DCT	APU	051	FL310	155	112.50	140	103.2 / 37.1	16	03.41
	ANBU TAIPEI			P18 271/005	517	6763	N2510.6 E12131.3/.....	
B576	BAKER	040	FL310	050	513	34	102.6 / 37.6	04	03.45
				P18 275/007	516	6729	N2538.6 E12152.8/.....	
B576	COPRA	040	FL310	050	513	6	102.5 / 37.7	01	03.46
				P18 277/008	517	6723	N2543.5 E12156.6/.....	

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B576	BESTO	040	FL310	050	513	30	102.0 / 38.2	04	03.50
			P18	287/010	516	6693	N2608.3 E12215.5/.....	
B576	FITCH	040	*CLB	010		40	101.3 / 38.9	04	03.54
			P18	287/013		6653	N2641.1 E12241.3/.....	
B576	BERBA	041	FL330	010	506	29	100.7 / 39.5	04	03.58
			P17	288/015	509	6624	N2704.7 E12300.0/.....	
B576	DUBAN	041	FL330	010	505	64	99.7 / 40.5	07	04.05
			P17	256/016	516	6560	N2756.3 E12341.7/.....	
B576	SALMI	042	FL330	010	505	28	99.3 / 41.0	03	04.08
-RJJJ			P16	258/018	519	6532	N2818.9 E12400.0/.....	
DCT	MIKES	056	FL330	010	505	120	97.4 / 42.9	14	04.22
			P16	256/033	532	6413	N2935.2 E12544.9/.....	

----- ETOPS ENTRY (RCTP) 0087 NM BEFORE ESBIS EET 04:27 -----

OTR30	ESBIS	047	FL330	010	504	131	95.4 / 44.9	15	04.37
			P16	253/049	543	6281	N3115.2 E12722.9/.....	
Z40	FUE	048	FL330	029	115.80	113	93.7 / 46.5	12	04.49
	FUKUE		P16	258/063	553	6169	N3240.1 E12849.6/.....	
Y60	ISAKY	060	FL330	039	504	53	92.9 / 47.3	06	04.55
			P16	258/069	565	6116	N3312.4 E12939.2/.....	
Y28	DGC	060	FL330	054	114.50	47	92.3 / 48.0	04	04.59
	FUKUOKA		P15	260/072	566	6070	N3340.6 E13023.4/.....	
	*ETP 2	053	FL330	054	114.50	21	92.0 / 48.3	03	05.02
	RCTP/RJCC		P15	261/073	566	6048	N3355.7 E13041.7/.....	
Y14	STOUT	053	FL330	055	504	22	91.6 / 48.6	02	05.04
			P15	262/074	561	6026	N3411.5 E13101.0/.....	
Y14	OLTUN	059	FL330	055	504	26	91.3 / 49.0	03	05.07
			P15	261/075	567	6000	N3427.5 E13125.3/.....	
Y14	BESMU	060	FL330	055	504	34	90.8 / 49.5	04	05.11
			P15	261/077	569	5966	N3448.8 E13157.9/.....	
Y14	MIHOU	060	FL330	080	503	70	89.8 / 50.4	07	05.18
			P15	260/081	573	5895	N3531.9 E13305.6/.....	
Y14	SUGNO	066	FL330	080	503	49	89.1 / 51.1	05	05.23
			P15	259/084	580	5847	N3557.7 E13356.4/.....	
Y14	SAMON	067	FL330	080	503	32	88.7 / 51.6	03	05.26
			P15	258/087	583	5814	N3614.6 E13430.2/.....	
Z17	CELCA	054	FL330	033	503	107	87.2 / 53.1	11	05.37
			P15	258/097	583	5707	N3729.3 E13606.1/.....	

----- ETOPS EXIT (RJCC) 0123 NM BEFORE NOMAS EET 05:38 -----

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Z17	NOMAS	055	FL330	052	503	125	85.5 / 54.7	13	05.50
				P15	256/107	592 5582	N3854.8 E13802.3/.....	
Z17	GEPPA	057	FL330	073	502	88	84.3 / 55.9	09	05.59
				P14	253/104	594 5494	N3953.6 E13926.4/.....	
Z17	MRE AOMORI	058	FL330	077	114.10	501 77	83.3 / 56.9	08	06.07
				P13	250/099	593 5417	N4044.3 E14042.3/.....	
V31	BYOBU	014	FL330	077	503	16	83.0 / 57.2	02	06.09
				P13	249/098	536 5401	N4100.2 E14044.2/.....	
V31	HIBAR	015	FL330	052	502	7	83.0 / 57.3	00	06.09
				P12	249/096	537 5395	N4106.6 E14045.0/.....	
V31	TAXIR	015	FL330	052	502	20	82.7 / 57.6	03	06.12
				P12	249/091	537 5375	N4126.5 E14047.5/.....	
V31	HWE HAKODATE	015	FL330	052	112.30	501 20	82.4 / 57.9	02	06.14
				P11	249/087	535 5354	N4146.5 E14049.9/.....	
DCT	NANNO	096	FL330	052	503	270	78.8 / 61.4	27	06.41
				P14	237/115	596 5085	N4155.0 E14651.6/.....	
----- ETOPS ENTRY (RJCC) 0170 NM BEFORE PUGAL EET 07:01 -----									
DCT	PUGAL	069	*CLB	010		374	74.2 / 66.1	36	07.17
				P13	238/132	4710	N4451.5 E15425.0/.....	
	*ETP 3	056	FL350	010	494	166	72.1 / 68.1	16	07.33
	RJCC/PASY			P12	245/142	629 4545	N4637.0 E15727.6/.....	
A590 -PAZA	PASRO	057	FL350	010	494	165	70.2 / 70.1	16	07.49
				P12	251/154	639 4380	N4816.7 E16040.9/.....	
----- ETOPS EXIT (PASY) 0037 NM BEFORE POWAL EET 08:05 -----									
A590	POWAL	062	FL350	010	493	208	67.8 / 72.5	19	08.08
				P11	261/145	627 4172	N5010.5 E16507.4/.....	
R451	AAMY	074	FL350	010	494	255	64.8 / 75.5	25	08.33
				P10	271/115	605 3916	N5124.0 E17133.2/.....	
R451	WALLT	079	FL350	010	494	126	63.2 / 77.0	13	08.46
				P10	277/098	588 3790	N5146.9 E17453.0/.....	
DCT	DRAPP	053	FL350	054	488	305	59.1 / 81.1	34	09.20
				P02	291/027	504 3485	N5438.6 W17807.2/.....	
----- ETOPS ENTRY (PASY) 0144 NM BEFORE CRYPT EET 09:33 -----									
A342	CRYPT	078	FL350	010	489	252	55.5 / 84.7	30	09.50
				P03	311/020	505 3233	N5510.3 W17052.7/.....	
	*ETP 4	064	FL350	010	489	106	54.0 / 86.3	12	10.02
	PASY/PANC			P01	280/014	501 3127	N5544.0 W16754.8/.....	

TCC318B WSSS-KORD (22-Sep-2024) #1

DCT	CUDDA	066	*CLB 055		262	50.2 / 90.0	32	10.34
			P05 349/008		2865	N5648.0 W16018.1/.....	
----- ETOPS EXIT (PANC) 0378 NM BEFORE GRIZZ EET 10:35 -----								
DCT	GRIZZ	072	FL370 106		498 387	44.9 / 95.4	46	11.20
			P14 215/048		523 2478	N5706.9 W14830.1/.....	
----- ETOPS ENTRY (PANC) 0130 NM BEFORE BKA EET 11:52 -----								
DCT	BKA	078	FL370 056	113.80	489 424	39.7 / 100.5	46	12.06
	BIORKA ISLAND SITKA		P07 244/130		592 2054	N5651.6 W13533.1/.....	
DCT	LVD	088	FL370 072	116.50	488 85	38.8 / 101.5	09	12.15
	LEVEL ISLAND		P06 251/127		586 1969	N5628.1 W13305.0/.....	
DCT	*BDRY	099	FL370 111		488 113	37.5 / 102.8	11	12.26
-CZVR			P06 266/118		583 1857	N5536.1 W13006.1/.....	
DCT	YYD	102	FL370 116	114.70	487 138	35.9 / 104.3	14	12.40
	HOUSTON SMITHERS		P05 282/111		592 1719	N5427.2 W12639.1/.....	
----- ETOPS EXIT (KSEA) 0315 NM BEFORE WASEN EET 12:47 -----								
DCT	*BDRY	098	FL370 141		488 378	31.8 / 108.4	38	13.18
-CZEG			P05 329/118		592 1341	N5136.6 W11718.1/.....	
DCT	WASEN	106	FL370 141		488 4	31.8 / 108.5	01	13.19
-CZVR			P05 330/118		590 1337	N5134.8 W11713.0/.....	
	KBIL	091	FL370 144		71	30.9 / 109.3	07	13.26
-CZEG			P04 309/082		1266	N5114.8 W11523.9/.....	
DCT	WALSH	093	FL370 133		491 218	28.4 / 111.8	24	13.50
			P07 303/047		539 1048	N5003.6 W11000.0/.....	
DCT	*BDRY	100	FL370 042		491 10	28.3 / 111.9	01	13.51
-CZWG			P06 299/044		538 1039	N5000.2 W10946.1/.....	
DCT	KATEN	100	FL370 060		488 159	26.4 / 113.9	18	14.09
-KZLC			P03 267/043		527 880	N4900.0 W10600.0/.....	
DCT	*BDRY	098	FL370 047		486 118	24.9 / 115.3	13	14.22
-KZMP			P00 268/056		535 762	N4824.1 W10310.0/.....	
	KMSP	102	FL370 044		101	23.7 / 116.5	12	14.34
			P04 345/076		661	N4750.0 W10047.2/.....	
DCT	FAR	105	FL370 043	116.20	484 173	21.7 / 118.5	19	14.53
	FARGO		M01 296/052		537 487	N4645.2 W09651.1/.....	
J36	GEP	120	FL370 037	117.30	486 175	19.6 / 120.6	20	15.13
	GOPHER MINNEAPOLIS		P00 289/038		524 313	N4508.7 W09322.4/.....	
J36	ODI	132	FL370 042	117.90	487 110	18.3 / 121.9	12	15.25
	NODINE		P01 272/040		517 203	N4354.7 W09128.1/.....	
DCT	*BDRY	129	FL370 033		291 33	17.9 / 122.3	04	15.29

TCC318B WSSS-KORD (22-Sep-2024) #1

-KZAU			P02	266/047	310	170	N4334.7	W09052.1/.....
	KORD	130	FL370	033		12	17.8 / 122.4	01	15.30
			P04	262/026		158	N4327.6	W09039.5/.....
DCT	*TOD	130	FL370	033	489	24	17.5 / 122.7	03	15.33
			P03	263/053	525	134	N4312.6	W09013.2/.....
DCT	JVL	131	*DES	037	114.30	63	17.3 / 122.9	08	15.41
	JANESVILLE		P09	278/018		71	N4233.5	W08906.3/.....
JVL1	BULLZ	115	*DES	037		16	17.3 / 123.0	02	15.43
			P09	283/012		55	N4227.5	W08846.3/.....
JVL1	TEDDY	116	*DES	028		6	17.2 / 123.0	01	15.44
			P09	287/010		49	N4225.2	W08838.8/.....
JVL1	KRENA	116	*DES	028		7	17.2 / 123.0	02	15.46
			P10	295/008		42	N4222.5	W08830.0/.....
JVL1	KORD/28C	136	680	035		42	16.7 / 123.5	10	15.56
	CHICAGO OHARE INTL						N4158.0	W08753.5/.....

TCC318B WSSS-KORD (22-Sep-2024) #1

WIND INFORMATION - OBS 22/SEP 06:00

(CLIMB)			RAXIM			DOLOX			DUDIS		
FL300	079/036	-30	FL350	063/052	-43	FL350	066/049	-43	FL350	066/037	-43
FL240	091/018	-16	FL330	069/044	-38	FL330	071/042	-37	FL330	072/029	-37
FL180	255/008	-5	FL310	077/041	-32	FL310	075/037	-32	FL310	072/025	-32
FL120	257/012	+6	FL290	083/036	-28	FL290	080/032	-27	FL290	079/023	-27
6000	250/007	+17	FL270	086/029	-23	FL270	086/028	-23	FL270	092/022	-22
DAGAG			DAMVO			NITOM			72PCA		
FL350	065/036	-42	FL350	066/024	-41	FL350	066/023	-41	FL350	044/013	-40
FL330	068/030	-36	FL330	069/021	-36	FL330	073/016	-35	FL330	042/010	-35
FL310	068/023	-31	FL310	076/015	-30	FL310	075/009	-30	FL310	039/007	-29
FL290	076/017	-26	FL290	092/011	-26	FL290	111/003	-25	FL290	032/003	-24
FL270	097/016	-22	FL270	123/009	-22	FL270	205/005	-21	FL270	228/003	-20
DOSUT			KAPLI			MKG			APU		
FL350	064/008	-39	FL350	028/012	-39	FL350	035/005	-39	FL350	327/003	-39
FL330	096/005	-34	FL330	037/009	-33	FL330	041/002	-34	FL330	271/003	-34
FL310	171/004	-29	FL310	048/006	-28	FL310	240/002	-28	FL310	271/006	-29
FL290	206/006	-24	FL290	099/004	-24	FL290	215/005	-24	FL290	264/007	-24
FL270	216/008	-20	FL270	150/007	-20	FL270	195/008	-20	FL270	251/008	-20
BERBA			MIKES			ESBIS			FUE		
FL370	287/021	-45	FL370	261/040	-46	FL370	256/055	-46	FL370	260/069	-45
FL350	289/017	-39	FL350	259/037	-40	FL350	256/053	-40	FL350	259/068	-40
FL330	289/015	-33	FL330	257/033	-34	FL330	254/049	-34	FL330	259/064	-35
FL310	284/016	-28	FL310	254/028	-29	FL310	251/045	-30	FL310	260/057	-31
FL290	276/016	-24	FL290	251/024	-25	FL290	252/040	-25	FL290	263/051	-27
STOUT			MIHOU			CELCA			NOMAS		
FL370	262/081	-45	FL370	261/081	-45	FL370	259/095	-44	FL370	257/107	-43
FL350	262/078	-40	FL350	260/081	-40	FL350	258/097	-40	FL350	257/110	-39
FL330	262/074	-36	FL330	260/082	-36	FL330	258/098	-35	FL330	257/108	-35
FL310	263/070	-31	FL310	261/082	-31	FL310	259/097	-31	FL310	258/099	-33
FL290	265/065	-27	FL290	263/079	-27	FL290	261/092	-28	FL290	259/090	-30
MRE			NANNO			PASRO			POWAL		
FL370	252/103	-43	FL370	240/112	-44	FL390	256/150	-49	FL390	265/142	-47
FL350	251/104	-40	FL350	238/116	-40	FL370	254/154	-46	FL370	263/145	-45
FL330	250/100	-37	FL330	237/116	-36	FL350	252/155	-43	FL350	261/146	-44
FL310	250/089	-35	FL310	237/111	-33	FL330	250/153	-39	FL330	260/139	-42
FL290	251/079	-33	FL290	238/105	-30	FL310	249/149	-35	FL310	261/124	-39
AAMYY			WALLT			DRAPP			CRYPT		
FL390	272/112	-46	FL390	278/100	-46	FL390	284/036	-48	FL390	293/025	-47
FL370	272/114	-45	FL370	278/100	-45	FL370	287/032	-50	FL370	301/023	-49
FL350	272/116	-44	FL350	278/099	-44	FL350	292/027	-52	FL350	311/021	-52
FL330	271/110	-43	FL330	277/093	-44	FL330	296/024	-53	FL330	321/021	-52
FL310	271/097	-42	FL310	277/082	-43	FL310	299/022	-51	FL310	327/023	-50
GRIZZ			BKA			YYD			WASEN		
FL410	218/050	-43	FL410	244/105	-52	FL410	286/098	-56	FL410	330/100	-55
FL390	218/049	-43	FL390	244/122	-51	FL390	284/113	-55	FL390	332/115	-54
FL370	216/049	-42	FL370	244/130	-49	FL370	283/111	-52	FL370	330/118	-51
FL350	213/049	-42	FL350	244/137	-47	FL350	281/106	-47	FL350	328/119	-47

TCC318B WSSS-KORD (22-Sep-2024) #1

FL330 210/045 -43 FL330 244/137 -43 FL330 281/100 -42 FL330 326/117 -43

WALSH

FL410 307/045 -51
FL390 309/049 -50
FL370 303/047 -50
FL350 294/045 -50
FL330 285/044 -49

KATEN

FL410 282/037 -53
FL390 277/040 -54
FL370 267/043 -53
FL350 256/048 -52
FL330 254/049 -49

FAR

FL410 295/045 -58
FL390 300/052 -60
FL370 296/052 -57
FL350 290/052 -53
FL330 283/050 -48

GEP

FL410 278/038 -57
FL390 284/038 -58
FL370 289/038 -56
FL350 295/039 -53
FL330 296/039 -49

ODI

FL410 266/047 -57
FL390 268/044 -57
FL370 272/040 -55
FL350 279/036 -52
FL330 282/033 -49

(DESCENT)

FL360 240/075 -51
FL290 249/055 -33
FL220 237/032 -17
14000 269/017 -3
7000 323/007 +9

END FLIGHTPLAN 02167 TCC318B PJTGD WSSS-KORD 22SEP2024

TCC318B WSSS-KORD (22-Sep-2024) #1

[ATC FLIGHTPLAN]

(FPL-TCC318B-IS

-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2

-WSSS1635

-N0507F310 VMR9B VMR M771 DULOP DCT KAPLI DCT MKG DCT APU B576

FITCH/N0506F330 B576 SALMI DCT MIKES OTR30 ESBIS Z40 FUE Y60

ISAKY Y28 DGC Y14 SAMON Z17 MRE V31 HWE DCT NANNO DCT

PUGAL/M083F350 A590 POWAL R451 WALLT DCT DRAPP A342 CRYPT DCT

CUDDA/N0498F370 DCT GRIZZ DCT BKA DCT LVD DCT YYD DCT WASEN DCT

WALSH DCT KATEN DCT FAR J36 ODI DCT JVL JVL1

-KORD1556 KMKE

-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/240922 REG/PJTGD

EET/WMFC0009 VVTS0057 ZJSA0203 VHHK0224 RCAA0303 RJJJ0408

PAZA0749 CZVR1226 CZEG1318 CZWG1351 KZLC1409 KZMP1422 KZAU1529

SEL/EFAD CODE/484DC6 RVR/75 OPR/TRADEWIND CARIBBEAN

ORGN/TNCCTCAP PER/D

RALT/VVTS RCTP RJCC PASY PANC

RMK/TCAS

-E/1833)

TCC318B WSSS-KORD (22-Sep-2024) #1

[PLANNING WEATHER]

ORIGIN: WSSS/SIN (CHANGI, SINGAPORE)

UTC +08:00

WSSS 221430Z 09007KT 9999 FEW020 BKN300 30/25 Q1009 NOSIG

WSSS 221100Z 2212/2318 15008KT 9999 FEW015 SCT020

TEMPO 2307/2310 3000 TSRA FEW012CB BKN015

DESTINATION: KORD/ORD (CHICAGO OHARE INTL, UNITED STATES)

UTC -05:00

KORD 221351Z 22006KT 5SM -RA BR BKN040 OVC060 21/19 A2987 RMK A02 LTG DSNT
N SLP109 P0001 T02110194

KORD 221135Z 2212/2318 24007KT 6SM -RA SCT030 OVC060

FM221700 25008KT 5SM -SHRA BR OVC025

FM222300 36013G23KT P6SM OVC009

FM230300 01012KT P6SM BKN020

ALTERNATE: KMKE/MKE (GEN MITCHELL INTL, UNITED STATES)

UTC -05:00

KMKE 221429Z 00000KT 3SM -RA BR SCT080 OVC095 19/18 A2986 RMK A02 TSE29
P0011 T01940183

KMKE 221147Z 2212/2318 24006KT P6SM VCSH SCT040 OVC080

TEMPO 2212/2214 5SM -TSRA OVC030CB

FM221400 28006KT 3SM -TSRA OVC015CB

FM221900 36010KT 4SM -SHRA BR OVC005

FM222100 35012G20KT P6SM OVC005

FM222300 36013G24KT P6SM OVC007

FM230500 01012G22KT P6SM SCT070

EDTO AIRPORT: PANC/ANC (TED STEVENS ANCHORAGE INTL, ALASKA)

UTC -08:00

PANC 221353Z 00000KT 10SM FEW004 02/01 A2950 RMK A02 SLP991 T00170011

PANC 221139Z 2212/2318 VRB05KT P6SM SKC

FM221700 36007KT P6SM FEW200

FM230000 03010G20KT P6SM SCT080 OVC120

FM230800 01008KT P6SM SCT050 OVC080

EDTO AIRPORT: PASY/SYA (EARECKSON AS, ALASKA)

UTC -10:00

PASY 220155Z 35019KT 3SM -DZ BR OVC004 10/09 A2936 RMK A02A DZB30 SLP943
T00990094 PNO FZFRANO \$

PASY 221400Z 2214/2320 01010G15KT 9000 BR OVC005 QNH2950INS

BECMG 2218/2219 36009KT 9000 -SHRA OVC010 QNH2955INS

BECMG 2300/2301 VRB06KT 9000 BR OVC015 QNH2960INS

BECMG 2304/2305 VRB06KT 9999 NSW SCT010 OVC030 QNH2964INS TX10/2309Z

TN08/2300Z

TCC318B WSSS-KORD (22-Sep-2024) #1**EDTO AIRPORT: RJCC/CTS (NEW CHITOSE, JAPAN)****UTC +09:00**

RJCC 221430Z 35004KT 9999 FEW010 11/09 Q1014
RJCC 221105Z 2212/2318 35006KT 9999 FEW020 BKN050
BECMG 2309/2312 11003KT

EDTO AIRPORT: RCTP/TPE (TAIWAN TAOYUAN INTL, TAIWAN)**UTC +08:00**

RCTP 221430Z 04012KT 9999 -SHRA SCT008 BKN015 BKN035 26/26 Q1012 NOSIG RMK
A2991
RCTP 221100Z 2212/2318 33008KT 6000 SCT006 BKN011 BKN025
TEMPO 2212/2216 04008KT 2400 SHRA SCT003 BKN006 FEW012CB BKN020
TEMPO 2218/2222 12005KT 4000 RA
TEMPO 2300/2304 3200 SHRA SCT005 BKN008 FEW012CB BKN020
TEMPO 2307/2311 06008KT 2400 TSRA SCT003 BKN006 FEW012CB BKN020
BECMG 2311/2312 12005KT

EDTO AIRPORT: VVTS/SGN (TAN SON NHAT INTL, VIETNAM)**UTC +07:00**

VVTS 221430Z 18004KT 150V260 CAVOK 26/24 Q1009 NOSIG
VVTS 221100Z 2212/2318 23009KT 9999 SCT015 SCT040
TEMPO 2304/2310 5000 SHRA SCT015 FEW017CB OVC040

ADEQUATE: KSEA/SEA (SEATTLE-TACOMA INTL, UNITED STATES)**UTC -07:00**

KSEA 221353Z 00000KT 10SM FEW070 SCT210 12/09 A3012 RMK A02 SLP203
T01220094
KSEA 221348Z 2214/2318 VRB03KT P6SM FEW060 BKN250
FM222100 23007KT P6SM SCT070 BKN120
FM230300 21005KT P6SM FEW030 OVC050
FM231000 19007KT P6SM OVC025

ADEQUATE: KBIL/BIL (BILLINGS LOGAN INTL, UNITED STATES)**UTC -06:00**

KBIL 221353Z 23011KT 10SM CLR 06/02 A3011 RMK A02 SLP200 T00560017
KBIL 221122Z 2212/2312 24007KT P6SM FEW200
FM230600 27008KT P6SM FEW100 SCT150

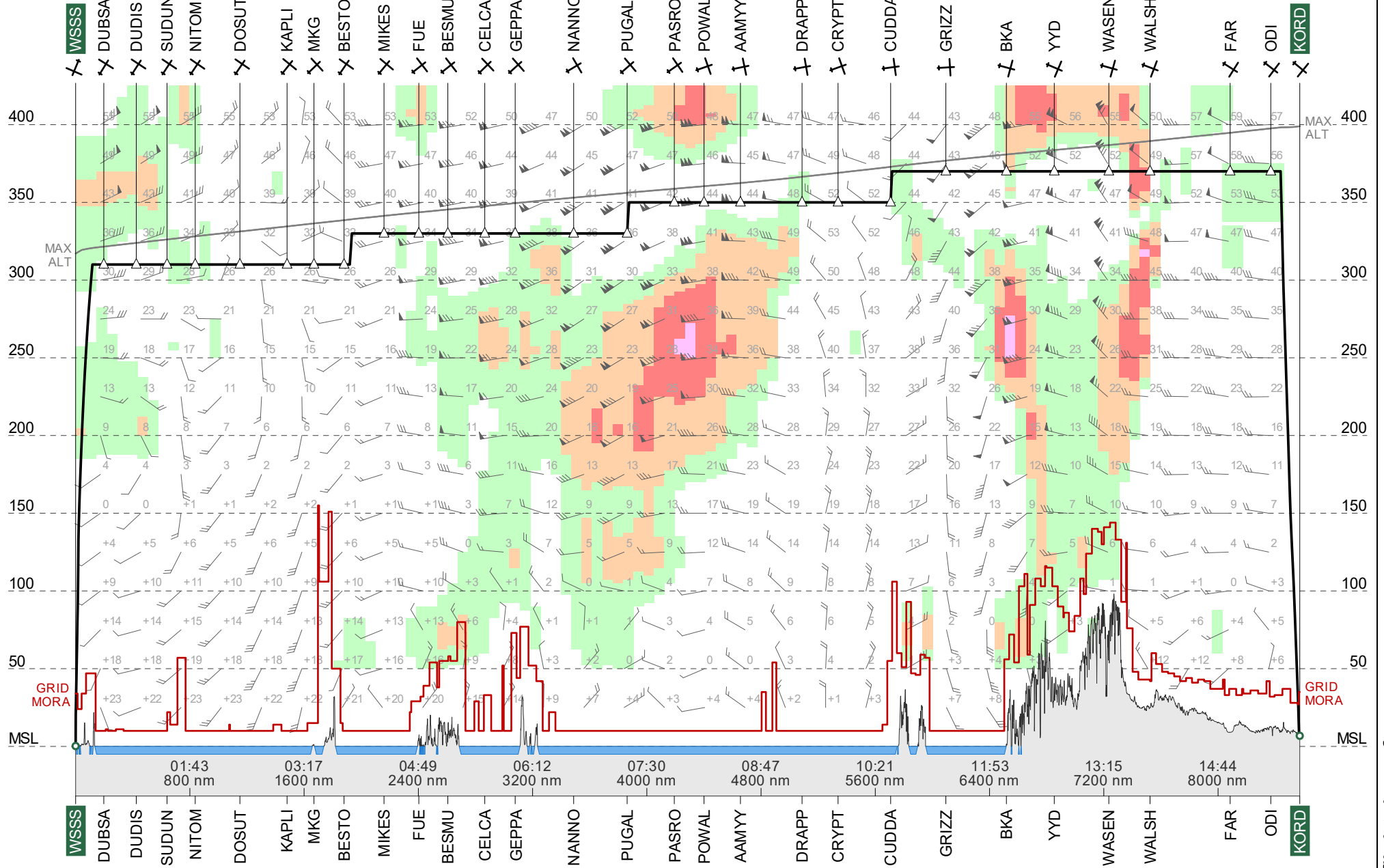
ADEQUATE: KMSP/MSP (MINNEAPOLIS-ST PAUL INTL/WOLD-, UNITED STATES) UTC -05:00

KMSP 221353Z 35008KT 10SM FEW250 13/08 A3008 RMK A02 SLP187 T01330078 \$
KMSP 221120Z 2212/2318 36012G18KT P6SM SCT250
FM222300 01006KT P6SM FEW250
FM230700 VRB03KT P6SM SKC

TR318B #1

WSSS → KORD

ETD 22 Sep 16:35z
PJTGD B77L



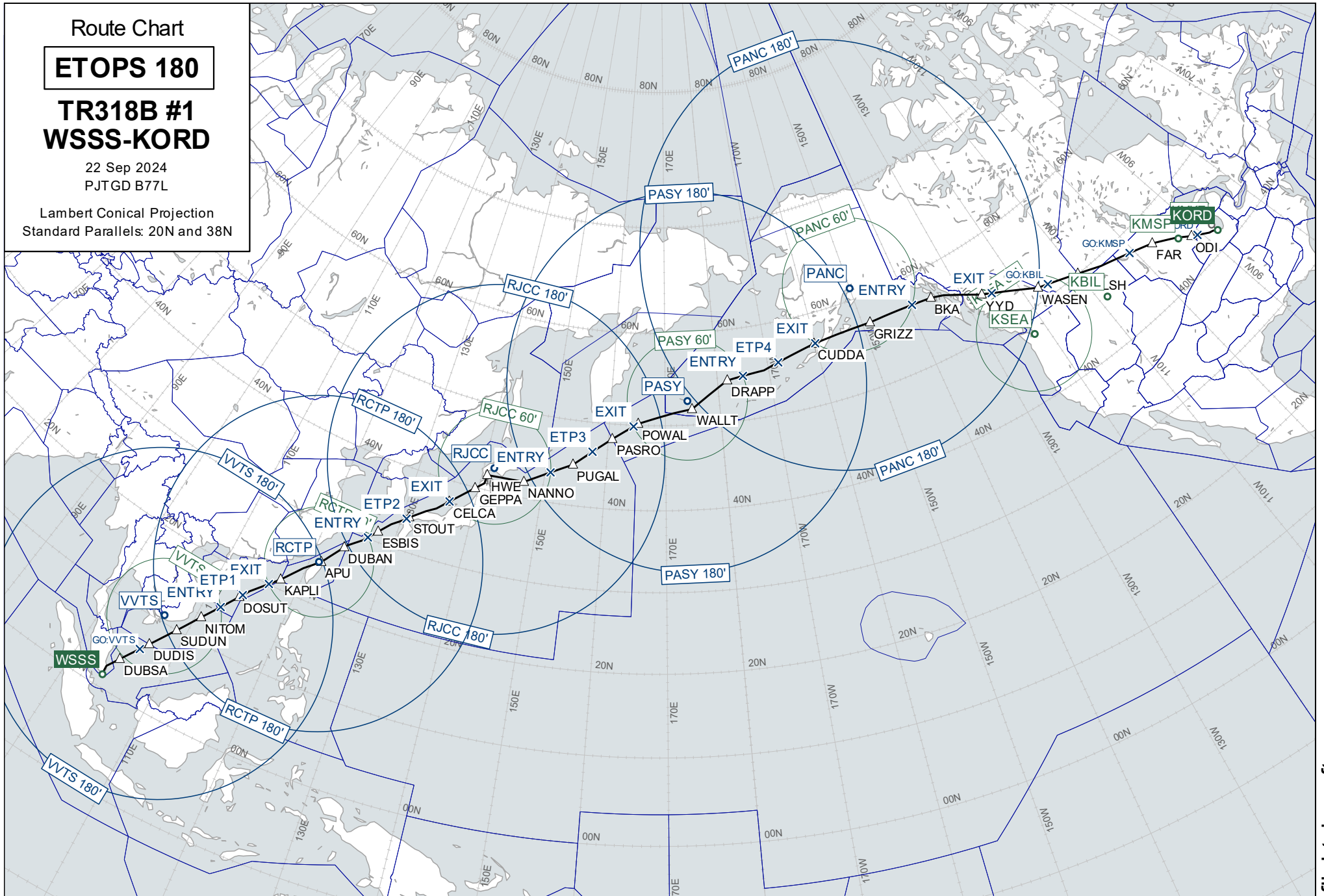
Route Chart

ETOPS 180

TR318B #1
WSSS-KORD

22 Sep 2024
PJTGD B77L

Lambert Conical Projection
Standard Parallels: 20N and 38N



Wind Chart

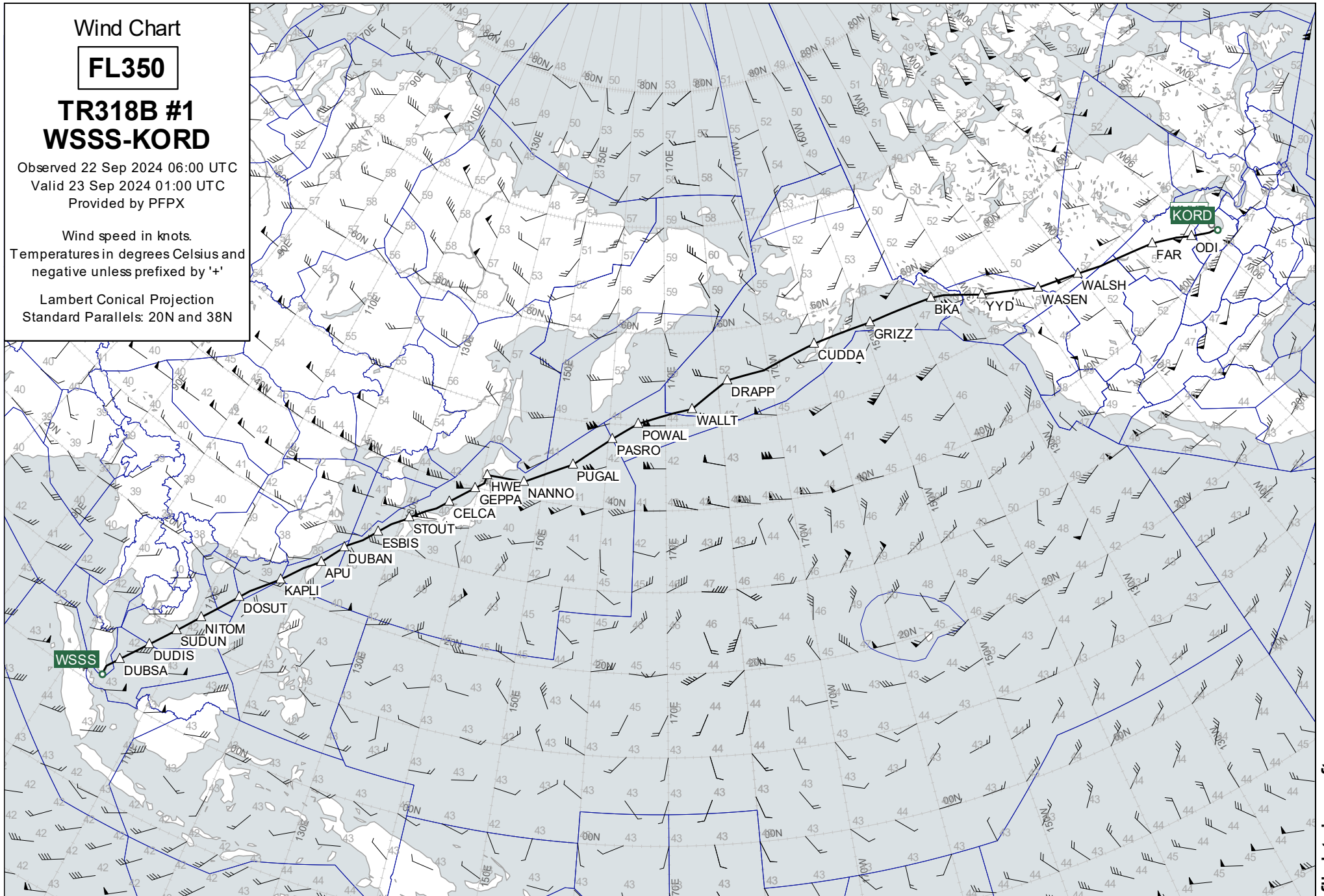
FL350

TR318B #1
WSSS-KORD

Observed 22 Sep 2024 06:00 UTC
Valid 23 Sep 2024 01:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 20N and 38N



Wind Chart

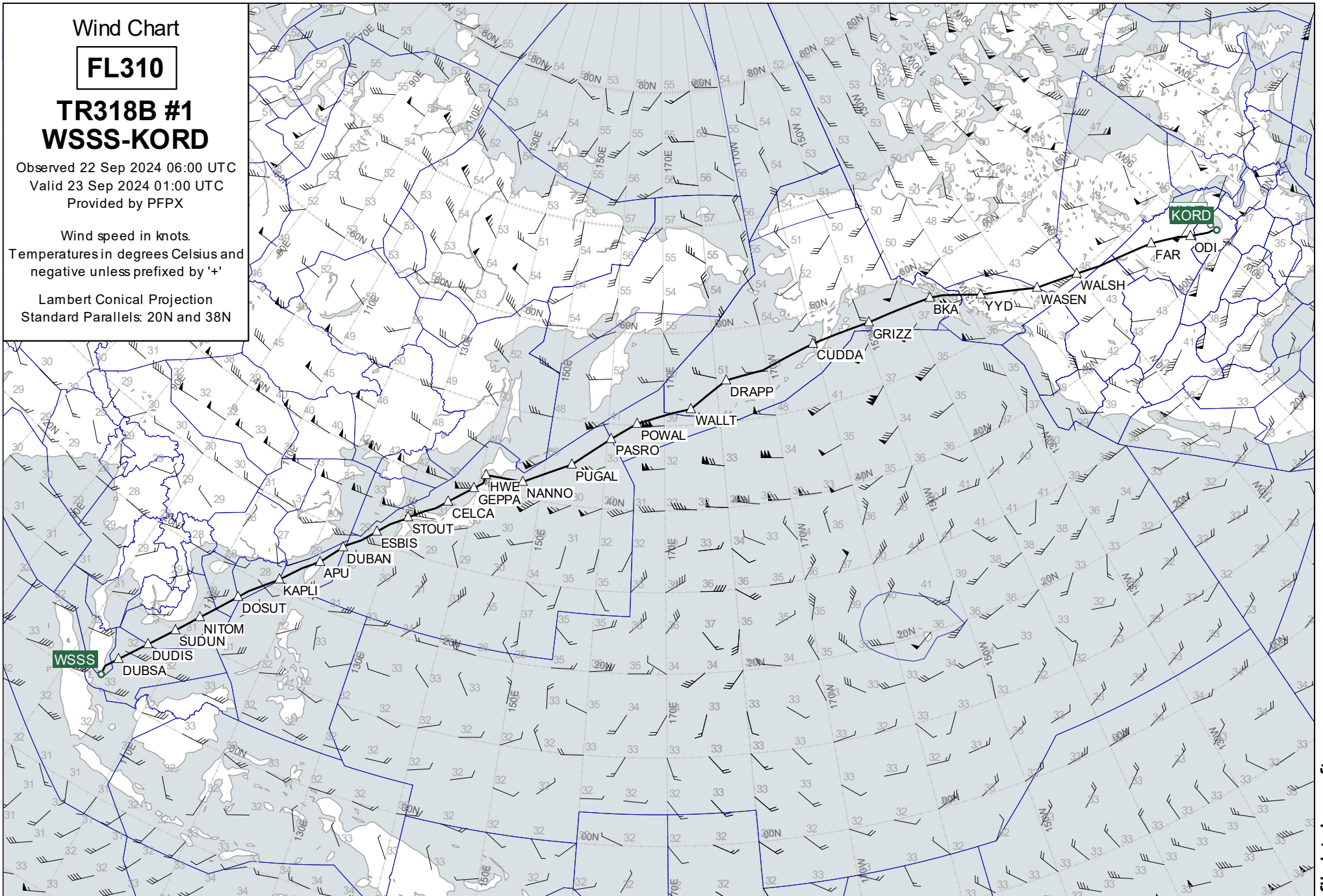
FL310

TR318B #1
WSSS-KORD

Observed 22 Sep 2024 06:00 UTC
Valid 23 Sep 2024 01:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 20N and 38N



Wind Chart

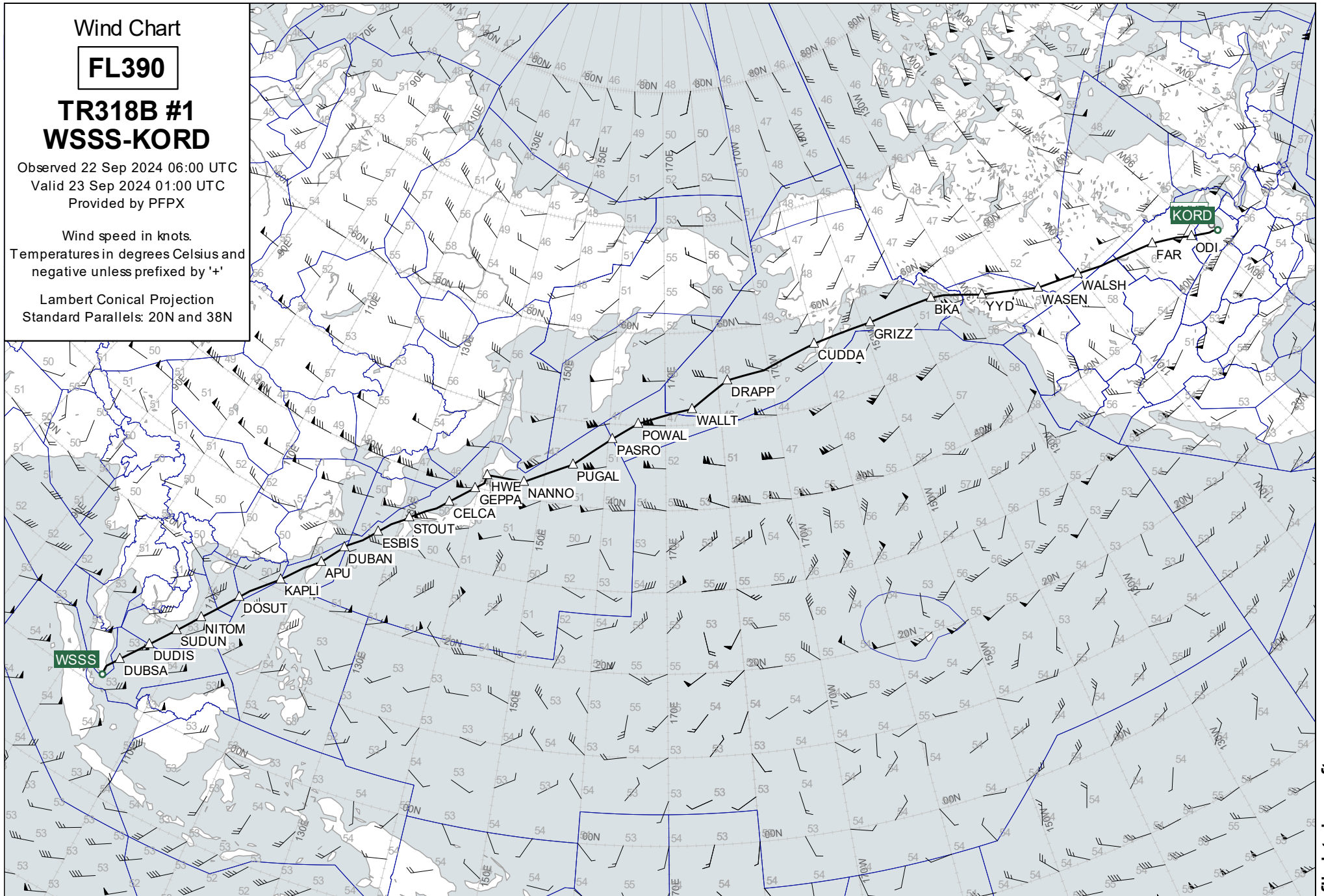
FL390

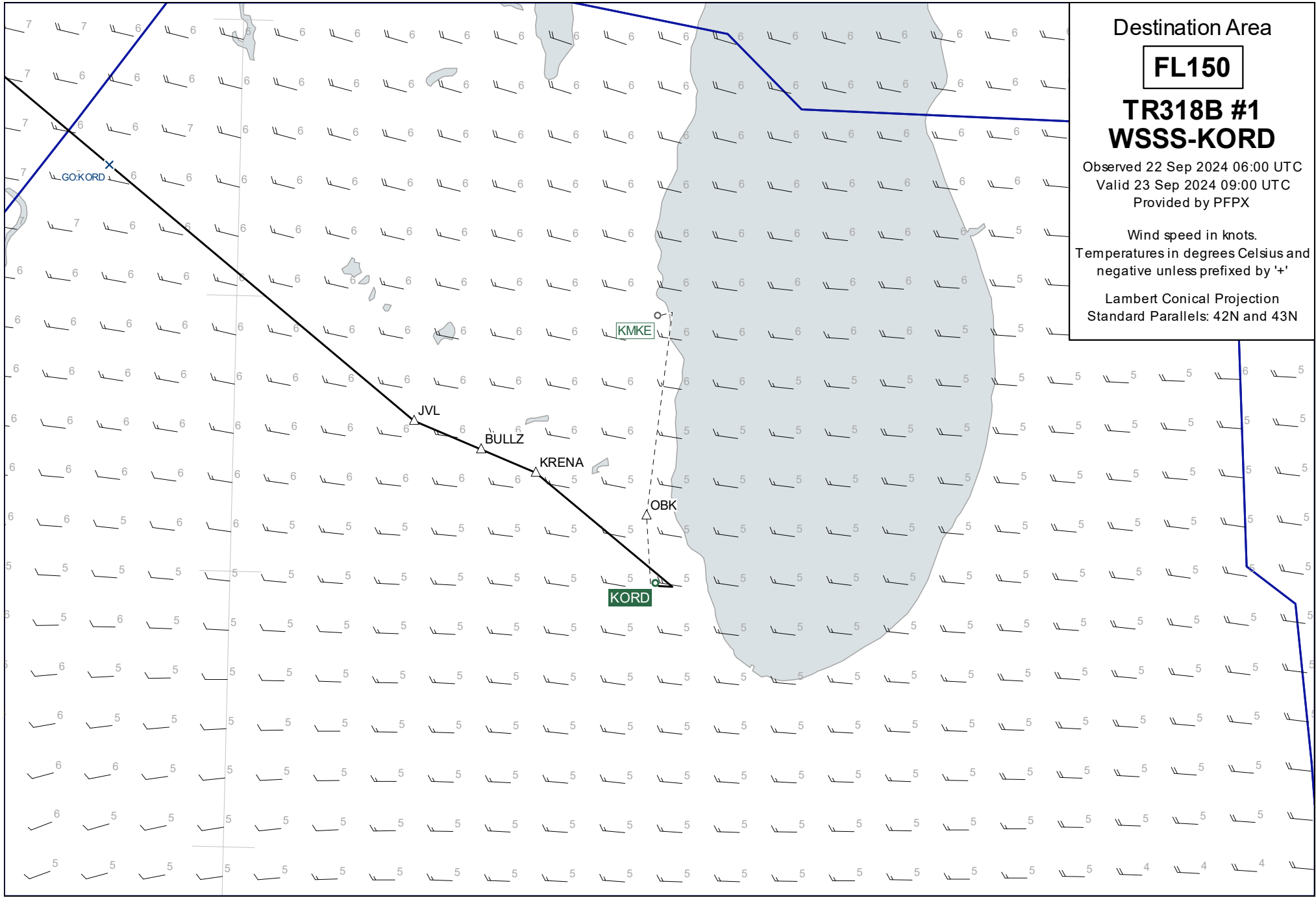
TR318B #1 WSSS-KORD

Observed 22 Sep 2024 06:00 UTC
Valid 23 Sep 2024 01:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 20N and 38N





Destination Area

FL150

TR318B #1
WSSS-KORD

Observed 22 Sep 2024 06:00 UTC
Valid 23 Sep 2024 09:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 42N and 43N