



Flight Briefing Package

TCC216D KPDX-WSSS

09-Sep-2023 #1

RELEASE #1

PORTLAND INTL
(UNITED STATES)

-

CHANGI
(SINGAPORE)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

09 SEP 1614 UTC

TCC216D KPDX-WSSS (09-Sep-2023) #1

TRADEWIND ALASKA FLIGHTPLAN - IFR TCC216D N777TA KPDX-WSSS

 ALL WEIGHTS IN POUNDS (LB) STD 09SEP/1900Z

OPF 1 - PREPARED 09SEP/1614Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR216D/TCC216D N777TA/B777-2LR GE SEL/EGAF ROUTE: KPDXWSSS01

DEP: KPDX/PDX 28L ELEV 31 FT COST INDEX: 250 TTL G/C DIST: 7071 NM
 ARR: WSSS/SIN 20R ELEV 22 FT INIT ALT: FL300 TTL F/P DIST: 7238 NM
 FUEL BIAS: 102.5% TTL AIR DIST: 7494 NM
 AVG WIND CMP: HD017 KT

ALT: WMKK/KUL 33 ELEV 69 FT 200 NM

CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM		ZFW	TOW	LDW
STANDARD	344243	264	0	57552	36095 LDW	MAX	461000	774657	491999
						PLN	401795	716941	455904
						ACT	.....	.....	.....

 ** TAKE-OFF DATA KPDX 28L **

COND: 716941 LB // RWY DRY // +17•C Q1020 CALM // LMT: STRUCT
 CONFIG: FLAPS 15 // D-TO +40C // A/I OFF/AUTO // A/C ON
 SPEEDS: V1=161 VR=167 V2=171
 ENG OUT: NONE

	FUEL	CORR	ENDUR	
TRIP	261037	.....	15:22	
10 PCT	20845	.....	01:32	
ALTN WMKK	13945	.....	00:55	
INTL HOLD	7141	.....	00:30	
HOLD	4762	.....	00:20	
CONT	3845	.....	00:17	
MIN T/O	311575	.....	18:56	.....
EXTRA	3571	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	855	.....	00:15	
RELEASE	316001	.....	19:26	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	53539	.....	03:39	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 358500 LB / MAX EXTRA FUEL 39666 LB LIM BY CAPACITY
 TRIP CORR FOR 10000 LB TOW INCR: +3257 LB / 10000 LB TOW DECR: -2893 LB
 2000 FT LOWER: +2821 LB / EET 15:11 CLB: 250/310/84 DES: 84/320/250

KPDX	STD 19:00Z/12:00L	ETD 19:00Z	ACT OFBL	EST T/O 19:15Z	ACT T/O
WSSS	STA 11:40Z/19:40L	ETA 10:47Z	ACT ONBL	EST LDG 10:37Z	ACT LDG
	SKD 16:40	PLN 15:47	TTL BLCK	EST FLT 15:22	TTL FLT

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (KPDX)	320 NM BEFORE KATCH	N50 03.7 W130 09.8	EET 00:59
ETOPS EXIT (PANC)	65 NM BEFORE HMPTN	N55 46.3 W142 13.4	EET 02:03

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ETOPS ENTRY (PANC)	106 NM BEFORE CHUUK	N58 02.7 W161 52.4	EET 03:25
ETOPS EXIT (PASY)	128 NM BEFORE EDWAL	N56 35.4 W176 19.1	EET 04:29
ETOPS ENTRY (PASY)	133 NM BEFORE NRKEY	N51 26.6 E163 17.8	EET 06:19
ETOPS EXIT (PASY)	196 NM BEFORE NUBDA	N44 41.2 E150 39.5	EET 07:49

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

KPDX (21:15-22:30)
PANC (22:12-01:03)
PASY (00:48-05:42)

ONE ENGINE OUT DECOMP ETP 1 FOR KPDX/PANC	N52 56.4 W134 16.8	EET 01:26
84/320/250 DESC TO FL100 CRUISE AT 1E0320	89 NM BEFORE KATCH	
PLN FUEL OVER ETP 280088 ETP FUEL REQ 40572	DIV TIME 01:49	
ETP TO KPDX (N45 35.3 W122 35.8) DIST 635 NM	WC HD021 TT 129	
ETP TO PANC (N61 10.5 W149 59.9) DIST 710 NM	WC TL026 TT 320	
*** FUEL DUMP REQUIRED ***		

ALL ENGINE DECOMP ETP 1 FOR KPDX/PANC	N52 56.4 W134 16.8	EET 01:26
84/320/250 DESC TO FL100 CRUISE AT AE320	89 NM BEFORE KATCH	
PLN FUEL OVER ETP 280088 ETP FUEL REQ 38569	DIV TIME 01:49	
ETP TO KPDX (N45 35.3 W122 35.8) DIST 635 NM	WC HD021 TT 129	
ETP TO PANC (N61 10.5 W149 59.9) DIST 710 NM	WC TL026 TT 320	
*** FUEL DUMP REQUIRED ***		

ONE ENGINE OUT ETP 1 FOR KPDX/PANC	N52 56.8 W134 17.4	EET 01:26
1E084/320 DESC TO FL198 CRUISE AT 1E0320	88 NM BEFORE KATCH	
PLN FUEL OVER ETP 280069 ETP FUEL REQ 40093	DIV TIME 01:35	
ETP TO KPDX (N45 35.3 W122 35.8) DIST 636 NM	WC HD016 TT 129	
ETP TO PANC (N61 10.5 W149 59.9) DIST 709 NM	WC TL034 TT 320	
*** FUEL DUMP REQUIRED ***		

ONE ENGINE OUT DECOMP ETP 2 FOR PANC/PASY	N57 30.0 W170 03.6	EET 04:00
84/320/250 DESC TO FL100 CRUISE AT 1E0320	129 NM BEFORE CREMR	
PLN FUEL OVER ETP 230573 ETP FUEL REQ 38040	DIV TIME 01:47	
ETP TO PANC (N61 10.5 W149 59.9) DIST 650 NM	WC TL003 TT 062	
ETP TO PASY (N52 42.7 E174 06.8) DIST 614 NM	WC HD024 TT 249	
*** FUEL DUMP REQUIRED ***		

ALL ENGINE DECOMP ETP 2 FOR PANC/PASY	N57 30.0 W170 03.6	EET 04:00
84/320/250 DESC TO FL100 CRUISE AT AE320	129 NM BEFORE CREMR	
PLN FUEL OVER ETP 230573 ETP FUEL REQ 36218	DIV TIME 01:47	
ETP TO PANC (N61 10.5 W149 59.9) DIST 650 NM	WC TL003 TT 062	
ETP TO PASY (N52 42.7 E174 06.8) DIST 614 NM	WC HD024 TT 249	
*** FUEL DUMP REQUIRED ***		

ONE ENGINE OUT ETP 2 FOR PANC/PASY	N57 24.1 W170 45.9	EET 04:04
1E084/320 DESC TO FL210 CRUISE AT 1E0320	105 NM BEFORE CREMR	
PLN FUEL OVER ETP 229591 ETP FUEL REQ 38227	DIV TIME 01:35	
ETP TO PANC (N61 10.5 W149 59.9) DIST 673 NM	WC TL011 TT 062	
ETP TO PASY (N52 42.7 E174 06.8) DIST 590 NM	WC HD047 TT 248	
*** FUEL DUMP REQUIRED ***		

ATC ROUTE: N0496F300 DCT HQM J501 TOU DCT DOLFF DCT KATCH DCT HMPTN/N0494F320
DCT GRIZZ DCT CJAYY DCT 58N160W DCT CHUUK DCT CREMR DCT EDWAL DCT

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NATES/M084F340 DCT NIKLL DCT NYMPH DCT NUZAN DCT NRKEY DCT NIPPI
 R220 NODAN/N0493F360 R220 IXE Y88 NAKTU Y12 SHIMA V52 KEC Y24 SUC
 B597 SEPIA Y26 IGURU Q13 KABAM N892 MONBO/N0486F390 N892 MABAL
 MABA2B

ALTERNATE PLANNING

ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE
 WMKK/33 200 FL220 054 TL004 00:55 13945 - MASB4F MASBO A457 SAPAT

MOST CRITICAL MORA 14700 FT AT OSPAN

AWY WAYPOINT MT ALT MSA FREQ TAS LEG FUEL REM / USED LEG ACC
-FIR NAME ISA WND/SPD GS REM POSITION ETO / ATO

KPDX/28L 31 076 315.1 / 0.9
 PORTLAND INTL 7238 N4534.8 W12235.0/.....

DCT *TOC 308 FL300 076 496 94 303.7 / 12.3 16 00.16
 P02 174/009 504 7143 N4648.2 W12359.0/.....

DCT HQM 307 FL300 054 **117.70** 496 11 303.2 / 12.8 01 00.17
 HOQUIAM P02 175/011 504 7132 N4656.8 W12409.0/.....

J501 WAPTO 339 FL300 065 496 32 302.0 / 14.0 04 00.21
 P02 170/013 509 7101 N4728.3 W12413.8/.....

J501 TOU 327 FL300 074 **112.20** 496 52 299.9 / 16.1 06 00.27
 TATOOSH NEAH BAY P02 169/016 513 7048 N4818.0 W12437.6/.....

DCT DOLFF 257 FL300 074 497 135 294.4 / 21.6 16 00.43
 -CZVR P02 202/011 494 6913 N4820.0 W12800.0/.....

----- ETOPS ENTRY (KPDX) 0320 NM BEFORE KATCH EET 00:59 -----

----- CLASS II ENTRY 0284 NM BEFORE KATCH EET 01:03 -----

----- CLASS II EXIT 0238 NM BEFORE KATCH EET 01:09 -----

*ETP 1 302 FL300 052 497 365 280.1 / 35.9 43 01.26
 KPDX/PANC P02 189/051 523 6548 N5256.4 W13416.8/.....

----- CLASS II ENTRY 0024 NM BEFORE KATCH EET 01:33 -----

DCT KATCH 299 FL300 010 496 89 276.8 / 39.2 10 01.36
 -PAZA P02 183/063 533 6459 N5400.0 W13600.0/.....

----- ETOPS EXIT (PANC) 0065 NM BEFORE HMPTN EET 02:03 -----

DCT HMPTN 278 *CLB 010 305 265.5 / 50.5 34 02.10
 M01 170/074 6154 N5611.7 W14400.1/.....

DCT GRIZZ 277 FL320 010 494 159 259.1 / 56.9 19 02.29
 P03 279/018 484 5996 N5706.9 W14830.1/.....

----- CLASS II EXIT 0069 NM BEFORE CJAYY EET 02:29 -----

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----- CLASS II ENTRY 0002 NM BEFORE NANNO EET 08:20 -----

R220	NANNO	232	FL340 010	500	40	154.6 / 161.4	05	08.20
			P11 257/040	464	3414	N4155.0 E14651.6/.....	
R220	NODAN	232	*CLB 010		123	150.3 / 165.7	16	08.36
			P11 241/029		3291	N4025.2 E14459.8/.....	

----- CLASS II EXIT 0105 NM BEFORE NANAC EET 08:38 -----

R220	NANAC	231	FL360 010	493	122	145.9 / 170.1	16	08.52
			P10 240/030	464	3168	N3854.4 E14313.7/.....	
R220	NIKON	234	FL360 010	493	50	144.2 / 171.8	06	08.58
			P10 231/030	463	3118	N3819.2 E14228.2/.....	
R220	BEKEN	234	FL360 010	493	27	143.3 / 172.7	04	09.02
			P10 227/030	462	3091	N3800.4 E14203.7/.....	
	RJGG	234	FL360 016		38	142.0 / 174.0	05	09.07
			P10 208/034		3053	N3733.5 E14129.4/.....	
R220	IXE IWAKI	233	FL360 090 117.70	493	35	140.8 / 175.2	04	09.11
			P10 214/032	461	3018	N3708.9 E14058.5/.....	
Y88	DAIGO	239	FL360 090	493	39	139.4 / 176.6	05	09.16
			P10 208/033	462	2980	N3644.7 E14021.0/.....	
Y88	HAGAR	245	FL360 047	493	18	138.8 / 177.2	02	09.18
			P10 205/034	463	2962	N3634.9 E14002.4/.....	
Y88	NIKKO	245	FL360 108	493	10	138.5 / 177.5	02	09.20
			P10 203/034	463	2951	N3629.3 E13951.8/.....	
Y88	AKAGI	242	FL360 108	493	10	138.2 / 177.8	01	09.21
			P10 201/034	463	2942	N3623.5 E13941.9/.....	
Y88	GYODA	242	FL360 108	493	23	137.4 / 178.6	03	09.24
			P10 197/035	463	2918	N3609.8 E13918.7/.....	
Y88	TEPEX	253	FL360 110	493	23	136.6 / 179.4	03	09.27
			P10 195/035	468	2895	N3600.3 E13853.0/.....	
Y88	OSPAN	253	FL360 147	493	15	136.1 / 179.9	02	09.29
			P10 192/031	470	2880	N3553.8 E13835.8/.....	
Y88	PIGAP	253	FL360 147	493	15	135.6 / 180.4	02	09.31
			P10 189/029	473	2865	N3547.4 E13819.0/.....	
Y88	TENRU	253	FL360 147	493	17	135.0 / 181.0	02	09.33
			P10 186/026	475	2848	N3540.2 E13800.4/.....	
Y88	SUGAL	254	FL360 147	493	11	134.7 / 181.3	01	09.34
			P10 184/026	479	2837	N3535.6 E13747.7/.....	
Y88	NAKTU	253	FL360 124	493	18	134.1 / 181.9	03	09.37
			P10 180/026	479	2819	N3528.0 E13727.8/.....	

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Y12	POTEB	217	FL360	124	493	22	133.4 / 182.6	02	09.39
			P10	180/026	470	2797	N3508.7 E13714.9/.....	
Y12	KOHWA	216	FL360	124	493	30	132.4 / 183.6	04	09.43
			P10	178/023	473	2767	N3442.3 E13657.5/.....	
Y12	SHIMA	225	FL360	079	493	30	131.4 / 184.6	04	09.47
			P10	173/021	477	2737	N3418.3 E13635.3/.....	
V52	AYANO	226	FL360	079	493	16	130.9 / 185.1	02	09.49
			P10	170/020	478	2721	N3405.8 E13623.6/.....	
V52	KEC KUSHIMOTO	225	FL360	079	112.90	49	129.3 / 186.7	06	09.55
			P10	160/021	481	2672	N3326.9 E13547.7/.....	
Y24	ALBAT	262	FL360	055	493	18	128.7 / 187.3	02	09.57
			P10	159/024	494	2653	N3321.9 E13526.5/.....	
Y24	HALON	260	FL360	088	492	23	128.0 / 188.0	03	10.00
			P09	159/027	493	2630	N3314.9 E13459.8/.....	
Y24	TURFY	262	FL360	088	492	19	127.4 / 188.6	03	10.03
			P09	159/031	494	2611	N3309.8 E13438.5/.....	
Y24	JAKAL	261	FL360	088	492	21	126.7 / 189.3	02	10.05
			P09	158/036	494	2590	N3303.7 E13414.1/.....	
Y24	GREEN	262	FL360	088	493	35	125.7 / 190.4	04	10.09
			P10	156/044	495	2555	N3253.9 E13334.0/.....	
Y24	SUC SHIMIZU	261	FL360	042	115.20	30	124.7 / 191.3	04	10.13
			P10	156/049	496	2525	N3245.4 E13259.8/.....	
B597	MADOG	227	FL360	042	494	49	123.1 / 192.9	06	10.19
			P10	154/051	469	2476	N3207.5 E13223.8/.....	
B597	HIROS	226	FL360	042	494	15	122.6 / 193.4	02	10.21
			P10	153/053	469	2461	N3155.5 E13212.5/.....	
B597	JACKY	226	FL360	050	494	28	121.7 / 194.3	04	10.25
			P10	151/055	470	2432	N3133.3 E13151.8/.....	
B597	QUEEN	226	FL360	050	494	25	120.9 / 195.1	03	10.28
			P10	149/056	470	2407	N3113.6 E13133.6/.....	
B597	JOKER	225	FL360	050	494	8	120.6 / 195.4	01	10.29
			P10	149/056	470	2399	N3107.0 E13127.6/.....	
	ROAH	225	FL360	050		7	120.4 / 195.6	01	10.30
			P09	152/018		2392	N3101.6 E13122.6/.....	
B597	TEPPO	225	FL360	050	494	20	119.7 / 196.3	03	10.33
			P10	149/051	472	2372	N3045.6 E13108.1/.....	
B597	TGE NAKATANE	225	FL360	087	115.40	12	119.3 / 196.7	01	10.34
			P10	149/045	473	2360	N3036.1 E13059.5/.....	

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B597	ANREM	215	FL360	087	494	18	118.8 / 197.2	02	10.36
			P10	150/032	468	2342	N3020.6 E13050.1/.....	
B597	SEPIA	214	FL360	087	494	23	118.0 / 198.0	03	10.39
			P10	151/017	475	2319	N3000.5 E13038.1/.....	
Y26	SWANO	235	FL360	087	494	39	116.8 / 199.2	05	10.44
			P10	318/009	493	2280	N2934.5 E13004.5/.....	
Y26	ANOXA	233	FL360	045	493	51	115.3 / 200.7	06	10.50
			P10	326/042	499	2230	N2859.3 E12922.6/.....	
Y26	POLAM	233	FL360	036	493	69	113.2 / 202.8	08	10.58
			P09	323/042	497	2161	N2811.9 E12826.4/.....	
Y26	YURIX	232	FL360	035	493	61	111.3 / 204.7	08	11.06
			P09	320/033	496	2100	N2729.3 E12736.9/.....	
Y26	KAORU	229	FL360	028	494	111	108.0 / 208.0	13	11.19
			P10	312/020	494	1989	N2608.6 E12612.5/.....	
Y26	LILRA	229	FL360	030	494	107	104.7 / 211.3	13	11.32
			P10	304/029	490	1882	N2449.8 E12452.3/.....	
	RCKH	227	FL360	030		51	103.2 / 212.8	07	11.39
			P10	359/031		1831	N2411.6 E12414.4/.....	
Y26 -RCAA	IGURU	227	FL360	030	495	20	102.6 / 213.4	02	11.41
			P10	295/029	487	1811	N2357.0 E12400.0/.....	
Q13	TULTO	241	FL360	010	496	67	100.5 / 215.5	08	11.49
			P11	302/028	483	1744	N2319.4 E12300.0/.....	
Q13	BOGUM	237	FL360	111	496	93	97.7 / 218.3	12	12.01
			P12	303/021	488	1651	N2221.9 E12141.5/.....	
Q13	SHIJA	236	FL360	111	496	20	97.1 / 218.9	02	12.03
			P12	305/022	489	1631	N2209.4 E12124.6/.....	
Q13	PICHU	235	FL360	111	497	16	96.6 / 219.4	02	12.05
			P12	306/023	490	1615	N2159.4 E12111.2/.....	
Q13	GLOOM	235	FL360	024	497	41	95.4 / 220.6	05	12.10
			P12	310/023	491	1574	N2133.6 E12036.9/.....	
Q13 -RPHI	KABAM	235	FL360	024	497	53	93.8 / 222.2	07	12.17
			P12	310/020	493	1521	N2100.0 E11952.8/.....	
----- CLASS II ENTRY 0088 NM BEFORE MIKIN EET 12:23 -----									
N892	MIKIN	229	FL360	010	497	141	89.6 / 226.4	17	12.34
			P13	344/019	504	1380	N1920.1 E11806.6/.....	
N892	MUMOT	228	FL360	010	497	26	88.9 / 227.1	03	12.37
			P13	350/018	508	1354	N1901.7 E11747.4/.....	
	RPLC	228	FL360	010		7	88.7 / 227.3	01	12.38
			P13	331/018		1347	N1856.8 E11742.2/.....	

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N892	MAVRA	228	FL360	010	497	98	85.9 / 230.1	11	12.49
			P13	003/021	512	1249	N1746.7 E11630.1/.....	
	VVCR	227	FL360	010		168	81.2 / 234.8	20	13.09
			P13	043/027		1081	N1545.7 E11428.8/.....	
N892 -ZJSA	MIGUG	226	FL360	010	497	41	80.1 / 235.9	04	13.13
			P13	044/030	527	1040	N1516.4 E11400.0/.....	
	*CLB	218	FL390	010	497	50	78.7 / 237.3	06	13.19
			P13	051/031	527	990	N1435.8 E11329.9/.....	
N892 -VVTS	MONBO	217	*CLB	010		7	78.4 / 237.6	01	13.20
			P09	040/035		983	N1430.0 E11325.7/.....	
N892	MESOX	217	FL390	010	486	38	77.2 / 238.8	04	13.24
			P05	035/041	527	945	N1358.8 E11302.7/.....	
N892	MUGAN	217	FL390	010	487	119	74.0 / 242.0	14	13.38
			P05	049/045	530	826	N1222.0 E11152.3/.....	
----- CLASS II EXIT 0031 NM BEFORE MIMUX EET 13:43 -----									
N892	MIMUX	217	FL390	010	486	78	72.0 / 244.0	08	13.46
			P05	058/050	532	748	N1118.3 E11106.2/.....	
N892	MAPNO	216	FL390	010	486	80	69.9 / 246.1	09	13.55
			P04	064/050	530	668	N1013.1 E11020.1/.....	
----- CLASS II ENTRY 0040 NM BEFORE OSIXA EET 13:57 -----									
N892	OSIXA	216	FL390	017	486	51	68.6 / 247.4	06	14.01
			P04	066/048	527	617	N0931.3 E10950.6/.....	
N892	MOXON	216	FL390	017	486	51	67.3 / 248.7	06	14.07
			P04	067/045	524	566	N0849.5 E10921.3/.....	
N892 -WSJC	MELAS	215	FL390	010	486	127	63.9 / 252.1	15	14.22
			P03	062/029	512	440	N0705.3 E10809.2/.....	
	WSSS	215	FL390	010		43	62.7 / 253.3	05	14.27
			P03	069/035		397	N0629.7 E10744.4/.....	
----- CLASS II EXIT 0109 NM BEFORE MABLI EET 14:33 -----									
N892	MABLI	215	FL390	010	486	161	58.5 / 257.5	19	14.46
			P03	053/034	517	235	N0417.3 E10612.8/.....	
N892	MUMSO	231	FL390	032	485	52	57.1 / 258.9	06	14.52
			P03	049/037	523	183	N0344.3 E10532.2/.....	
N892	MABAL	231	FL390	032	485	25	56.4 / 259.6	03	14.55
			P03	049/038	523	158	N0328.4 E10512.6/.....	
MABA2B	*TOD	231	FL390	032	485	23	55.9 / 260.1	02	14.57
			P03	051/037	523	135	N0314.2 E10455.1/.....	

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MABA2B	KILOT	231	*DES 010 P13 063/024	19 116	55.8 / 260.2 N0302.3 E10440.4	03/.....	15.00
MABA2B	*BDRY	227	*DES 047 P16 074/020	16 101	55.7 / 260.3 N0251.6 E10428.9	01/.....	15.01
MABA2B	PIBAP	227	*DES 047 P16 081/011	31 70	55.5 / 260.5 N0230.4 E10406.3	05/.....	15.06
MABA2B	PASPU	180	*DES 047 P13 197/009	31 38	55.2 / 260.9 N0159.3 E10406.3	05/.....	15.11
MABA2B	NYLON	180	*DES 024 P12 198/011	22 16	54.9 / 261.2 N0137.0 E10406.4	05/.....	15.16
MABA2B	*BDRY	207	*DES 024 P14 190/010	14 3	54.5 / 261.6 N0124.9 E10400.3	04/.....	15.20
MABA2B	WSSS/20R CHANGI	203	22 034	3	54.1 / 261.9 N0122.6 E10359.3	02/.....	15.22

TCC216D KPDX-WSSS (09-Sep-2023) #1

WIND INFORMATION - OBS 09/SEP 06:00

(CLIMB)			HQM			DOLFF			KATCH		
FL290	163/008	-40	FL340	189/014	-52	FL340	216/008	-52	FL340	186/062	-54
FL230	155/010	-25	FL320	183/013	-47	FL320	208/010	-47	FL320	185/063	-48
17000	181/010	-11	FL300	176/011	-43	FL300	202/011	-42	FL300	183/063	-43
11000	194/019	+1	FL280	170/012	-38	FL280	197/012	-38	FL280	182/062	-38
5000	171/010	+13	FL260	164/012	-33	FL260	192/012	-33	FL260	181/060	-33
GRIZZ			58N60			CHUUK			CREMR		
FL360	247/015	-47	FL360	288/029	-45	FL360	300/061	-45	FL360	293/075	-45
FL340	262/015	-48	FL340	290/026	-46	FL340	299/063	-45	FL340	294/081	-45
FL320	279/018	-45	FL320	291/026	-43	FL320	300/067	-43	FL320	292/075	-42
FL300	291/022	-42	FL300	292/025	-40	FL300	300/071	-40	FL300	289/069	-40
FL280	263/014	-40	FL280	286/022	-38	FL280	300/069	-36	FL280	291/062	-35
EDWAL			NIKLL			NUZAN			NRKEY		
FL360	259/067	-47	FL380	253/062	-48	FL380	266/073	-49	FL380	275/082	-49
FL340	255/073	-45	FL360	253/066	-48	FL360	265/075	-49	FL360	273/083	-48
FL320	256/071	-42	FL340	253/069	-47	FL340	264/077	-48	FL340	272/084	-46
FL300	257/069	-38	FL320	255/069	-44	FL320	262/073	-45	FL320	270/078	-43
FL280	260/064	-34	FL300	256/069	-41	FL300	260/069	-40	FL300	269/072	-39
NOGAL			NUBDA			NANAC			IXE		
FL380	273/064	-52	FL380	258/047	-51	FL400	238/029	-56	FL400	210/027	-56
FL360	270/062	-48	FL360	260/047	-47	FL380	239/031	-52	FL380	212/031	-52
FL340	266/060	-44	FL340	262/046	-41	FL360	241/031	-47	FL360	215/033	-47
FL320	271/058	-39	FL320	263/044	-36	FL340	242/030	-41	FL340	217/035	-41
FL300	277/057	-33	FL300	264/041	-31	FL320	240/027	-36	FL320	213/032	-36
TEPEX			KOHWA			ALBAT			SUC		
FL400	186/028	-56	FL400	169/020	-55	FL400	164/025	-56	FL400	152/045	-55
FL380	191/033	-52	FL380	173/023	-52	FL380	164/028	-52	FL380	153/053	-51
FL360	195/035	-46	FL360	178/023	-46	FL360	159/024	-47	FL360	156/050	-47
FL340	199/038	-41	FL340	183/024	-41	FL340	152/020	-41	FL340	160/047	-42
FL320	198/034	-36	FL320	180/024	-35	FL320	159/018	-36	FL320	155/039	-36
QUEEN			SWANO			POLAM			KAORU		
FL400	157/048	-54	FL400	333/009	-52	FL400	327/040	-55	FL400	318/026	-55
FL380	156/057	-51	FL380	325/011	-49	FL380	324/043	-52	FL380	314/026	-52
FL360	150/056	-46	FL360	319/009	-46	FL360	324/042	-47	FL360	313/021	-47
FL340	143/056	-41	FL340	310/008	-43	FL340	323/042	-42	FL340	311/016	-41
FL320	148/045	-36	FL320	308/008	-38	FL320	320/038	-36	FL320	309/022	-36
LILRA			TULTO			SHIJA			KABAM		
FL400	316/027	-55	FL400	306/031	-55	FL400	306/029	-55	FL400	320/028	-55
FL380	311/030	-50	FL380	301/033	-50	FL380	303/026	-50	FL380	313/023	-49
FL360	305/029	-46	FL360	302/029	-45	FL360	305/022	-44	FL360	311/020	-44
FL340	298/030	-42	FL340	304/024	-40	FL340	309/018	-38	FL340	308/017	-38
FL320	300/024	-36	FL320	305/016	-35	FL320	290/012	-33	FL320	313/017	-33
MIKIN			MAVRA			MIGUG			MUGAN		
FL400	345/029	-55	FL400	355/030	-55	FL400	024/037	-55	FL430	053/044	-63
FL380	347/023	-49	FL380	356/025	-49	FL380	028/037	-49	FL410	052/045	-57
FL360	345/019	-44	FL360	003/021	-43	FL360	044/030	-44	FL390	050/046	-51
FL340	342/014	-38	FL340	015/017	-37	FL340	068/027	-38	FL370	060/042	-46

TCC216D KPDY-WSSS (09-Sep-2023) #1

FL320 350/011 -32 FL320 034/012 -32 FL320 086/024 -33 FL350 076/039 -41

MAPNO

FL430 058/045 -63
FL410 061/048 -58
FL390 065/051 -52
FL370 071/045 -47
FL350 082/038 -42

MOXON

FL430 060/046 -63
FL410 064/046 -58
FL390 068/046 -53
FL370 071/036 -48
FL350 079/024 -42

MELAS

FL430 061/045 -63
FL410 061/038 -58
FL390 063/029 -53
FL370 068/025 -48
FL350 075/022 -43

MABLI

FL430 058/051 -64
FL410 056/043 -59
FL390 053/034 -53
FL370 054/030 -48
FL350 056/026 -43

(DESCENT)

FL380 052/029 -51
FL310 060/025 -33
FL230 093/016 -14
FL150 125/007 -0
7000 211/013 +14

END FLIGHTPLAN 01686 TCC216D N777TA KPDY-WSSS 09SEP2023

TCC216D KPDX-WSSS (09-Sep-2023) #1

[ATC FLIGHTPLAN]

(FPL-TCC216D-IS
-B77L/H-SDE1FGHIJ1RWXYZ/LB1
-KPDX1900
-N0496F300 DCT HQM J501 TOU DCT DOLFF DCT KATCH DCT
HMPTN/N0494F320 DCT GRIZZ DCT CJAYY DCT 58N160W DCT CHUUK DCT
CREMR DCT EDWAL DCT NATES/M084F340 DCT NIKLL DCT NYMPH DCT NUZAN
DCT NRKEY DCT NIPPI R220 NODAN/N0493F360 R220 IXE Y88 NAKTU Y12
SHIMA V52 KEC Y24 SUC B597 SEPIA Y26 IGURU Q13 KABAM N892
MONBO/N0486F390 N892 MABAL MABA2B
-WSSS1522 WMKK
-PBN/A1B1C1D1L101S1 NAV/RNVD1E2A1 DOF/230909 REG/N777TA
EET/CZVR0043 PAZA0136 RJJJ0645 RCAA1141 RPHI1217 ZJSA1313
VVTS1320 WSJC1422 WMFC1501 WSJC1520
SEL/EGAF CODE/AA84B2 RVR/75 OPR/TRADEWIND ALASKA
ORGN/PANCTAAP PER/D
RALT/PANC PASY
RMK/TCAS
-E/1911)

TCC216D KPDX-WSSS (09-Sep-2023) #1

[PLANNING WEATHER]

ORIGIN: KPDX/PDX (PORTLAND INTL, UNITED STATES)**UTC -07:00**

KPDX 091553Z VRB03KT 10SM FEW100 17/11 A3012 RMK A02 SLP198 T01670111
KPDX 091431Z 0915/1012 VRB03KT P6SM SKC
FM092100 32007KT P6SM SCT250
FM100400 VRB04KT P6SM SKC

DESTINATION: WSSS/SIN (CHANGI, SINGAPORE)**UTC +08:00**

WSSS 091530Z VRB02KT 9999 FEW018 SCT160 BKN300 26/24 Q1011 NOSIG
WSSS 091100Z 0912/1018 18008KT 9999 FEW015 SCT020
TEMPO 1003/1006 3000 TSRA FEW012CB BKN015

ALTERNATE: WMKK/KUL (KUALA LUMPUR INTL - SEPANG, MALAYSIA)**UTC +08:00**

WMKK 091530Z 04004KT 350V100 9000 FEW030 26/23 Q1011 NOSIG
WMKK 091100Z 0912/1018 VRB03KT 9999 FEW018
PROB30 TEMPO 0920/1000 4000 TSRA FEW017CB SCT018

EDTO AIRPORT: PASY/SYA (EARECKSON AS, ALASKA)**UTC -10:00**

PASY 091459Z 24015KT 1/2SM FG VV002 10/10 A2973 RMK A02A VIS 1/4V3/4
SLP071 WND DATA ESTMD T01040102 50001 RVRNO PNO FZRANO \$
PASY 091411Z 0914/1020 26012G18KT 3200 BR VV003 QNH2969INS
BECMG 1007/1008 30009KT 8000 BR OVC003 QNH2982INS
BECMG 1013/1014 VRB06KT 8000 BR BKN012 QNH2990INS TX11/1014Z TN09/0921Z

EDTO AIRPORT: PANC/ANC (STEVENS ANCHORAGE INTL, ALASKA)**UTC -08:00**

PANC 091553Z 00000KT 7SM -RA BKN006 BKN050 OVC070 09/08 A2959 RMK A02
SLP021 P0001 T00890078
PANC 091202Z 0912/1018 03006KT 6SM -RA BR SCT005 BKN010 OVC050
TEMPO 0912/0916 RA BKN005
FM091600 17010G20KT 5SM -SHRA BR FEW008 SCT025 OVC040
FM092100 16012G22KT P6SM -RA SCT030 BKN060
FM100700 12008KT P6SM SCT030 BKN070
FM101200 04004KT P6SM SCT050 BKN100

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

VVTS 091530Z 25005KT 9000 -RA FEW017 BKN050 25/25 Q1010 NOSIG
VVTS 091100Z 0912/1018 VRB03KT 9999 SCT015 SCT040
TEMPO 0912/0916 5000 TSRA SCT015 FEW017CB BKN040
BECMG 1001/1002 20010KT
TEMPO 1004/1010 20015G28KT 3000 TSRA SCT013 SCT015CB

TCC216D KPDX-WSSS (09-Sep-2023) #1**ADEQUATE: RJCC/CTS (NEW CHITOSE, JAPAN)****UTC +09:00**RJCC 091530Z VRB02KT 9999 FEW006 BKN050 21/21 Q1010 RMK 1ST006 7CU050
A2984RJCC 091105Z 0912/1018 34006KT 9999 FEW006 BKN015
BECMG 1003/1006 17012KT**ADEQUATE: RJGG/NGO (CHUBU CENTRAIR INTL, JAPAN)****UTC +09:00**RJGG 091530Z AUTO 12006KT 9999 BKN014 OVC023 27/24 Q1010 BECMG BKN020
RJGG 091105Z 0912/1018 16006KT 9999 FEW010 SCT020TEMPO 1003/1012 -TSRA FEW020 FEW025CB BKN030
TEMPO 1012/1018 4000 -SHRA BR FEW004 BKN008**ADEQUATE: ROAH/OKA (NAHA, OKINAWA ISLANDS)****UTC +09:00**

ROAH 091530Z AUTO 01005KT 9999 NCD 27/23 Q1007 RMK A2976

ROAH 091105Z 0912/1018 06005KT 9999 FEW020

ADEQUATE: RCKH/KHH (KAOHSIUNG INTL, TAIWAN)**UTC +08:00**RCKH 091530Z 10006KT 8000 -SHRA SCT006 BKN013 BKN035 25/23 Q1009 NOSIG RMK
A2980

RCKH 091100Z 0912/1018 08005KT 6000 SCT008 BKN016 BKN040

TEMPO 0912/0914 17010G20KT 1200 TSRA SCT003 BKN005 SCT008CB OVC015

TEMPO 0914/0920 5000 SHRA SCT006 BKN011 BKN030

BECMG 0920/0922 17010KT

TEMPO 0922/1002 1200 TSRA SCT003 BKN005 SCT008CB OVC015

TEMPO 1006/1010 23010KT 1200 TSRA SCT003 BKN005 SCT008CB OVC015

ADEQUATE: RPLC/CRK (DIOSDADO MACAPAGAL INTL, PHILIPPINES)**UTC +08:00**

RPLC 091500Z 34002KT 8000 SCT020 BKN300 27/24 Q1011 NOSIG RMK A2985

RPLC 091100Z 0912/1018 16006KT 9999 SCT020 BKN300 TX34/1006Z TN25/0921Z

TEMPO 0912/0918 25008KT 6000 -TSRA FEW015CB SCT020 BKN100

ADEQUATE: VVCR/CXR (CAM RANH INTL, VIETNAM)**UTC +07:00**

VVCR 091530Z 23012KT 9999 FEW017 29/24 Q1009 NOSIG

VVCR 091100Z 0912/1012 24010KT 9999 FEW015

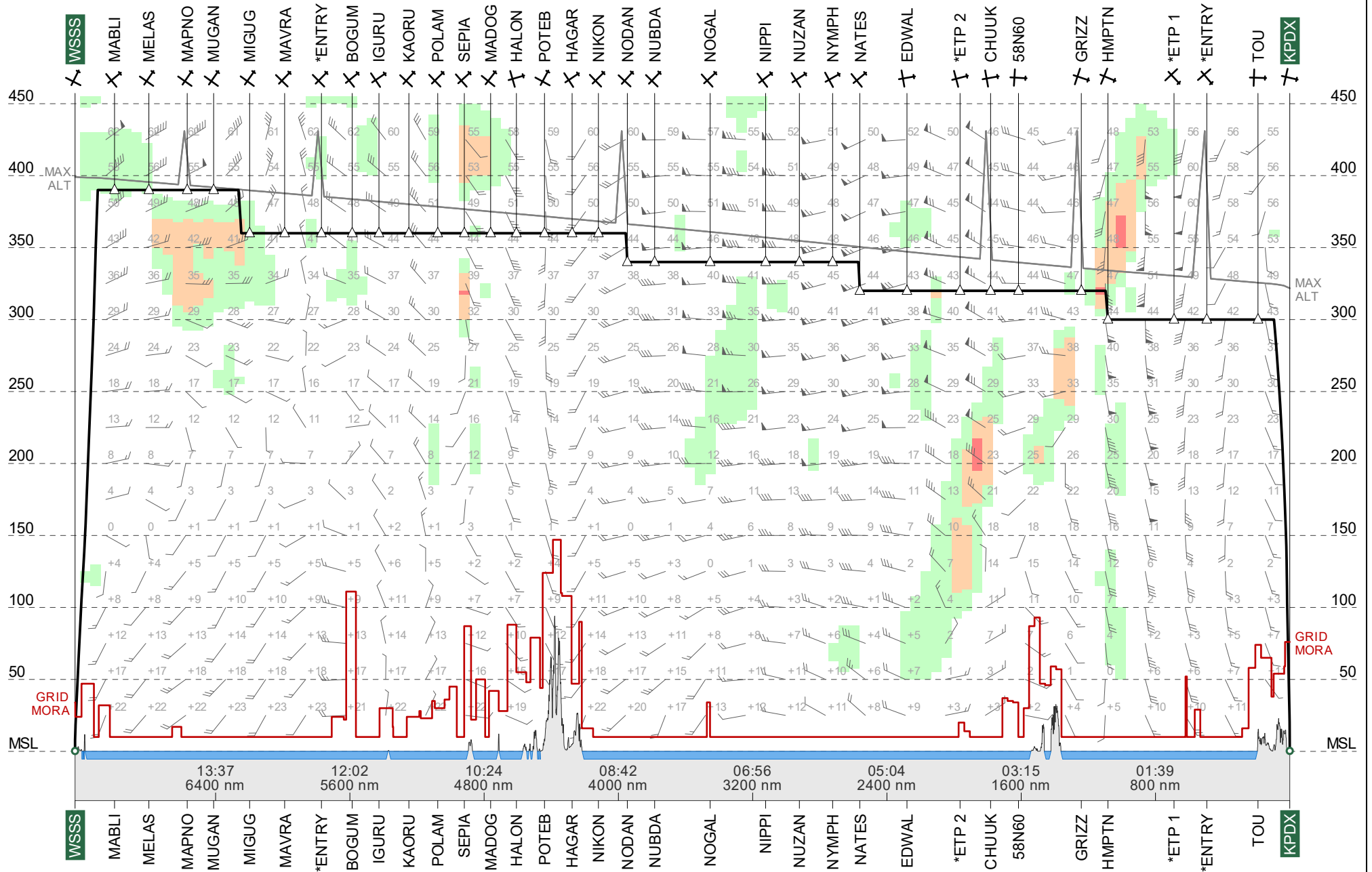
BECMG 1002/1003 14010KT

TEMPO 1007/1011 TS SCT013 FEW017CB SCT060

TR216D #1

WSSS ← KPDX

ETD 09 Sep 19:00z
N777TA B77L



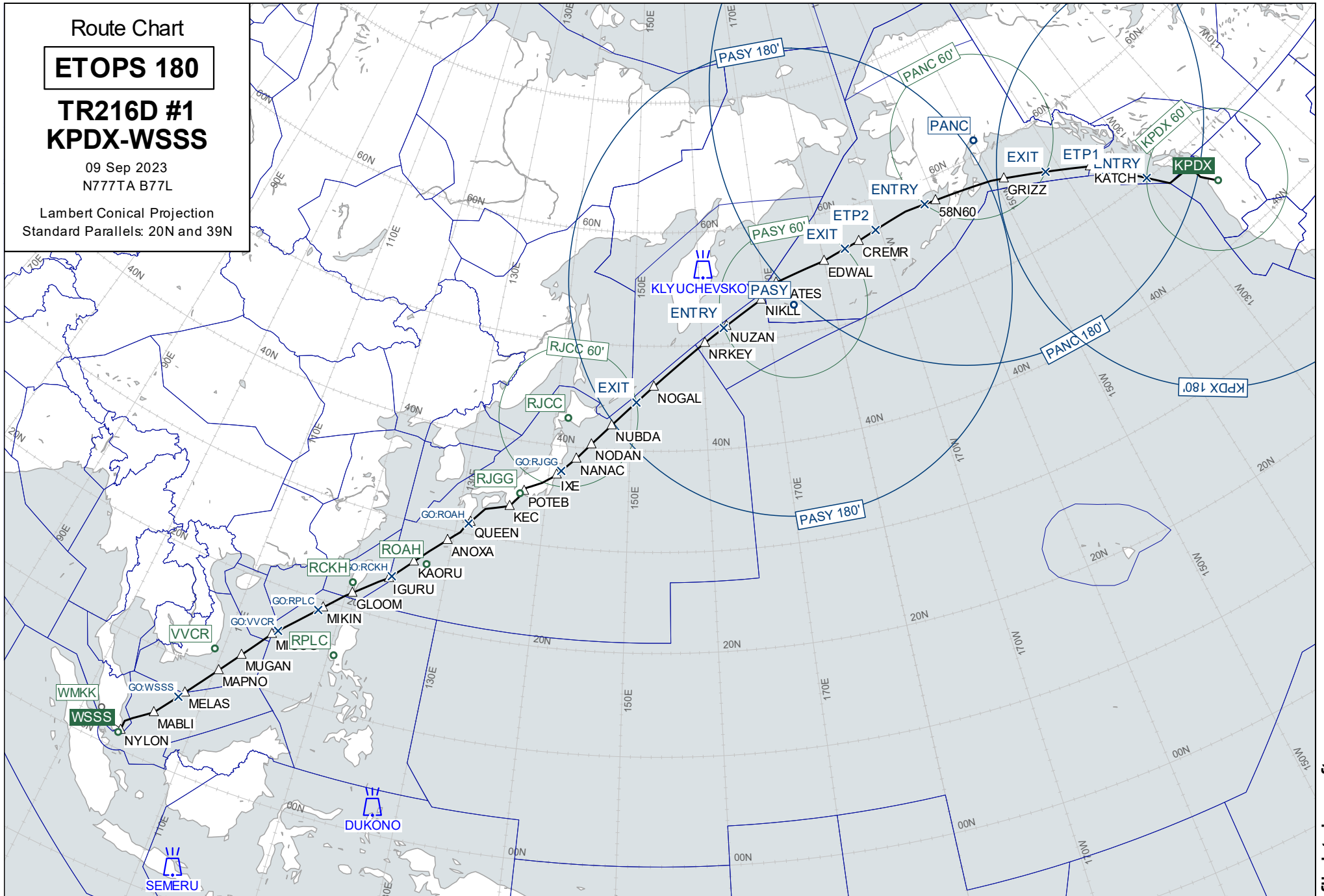
Route Chart

ETOPS 180

TR216D #1
KPDX-WSSS

09 Sep 2023
N777TA B77L

Lambert Conical Projection
Standard Parallels: 20N and 39N



Wind Chart

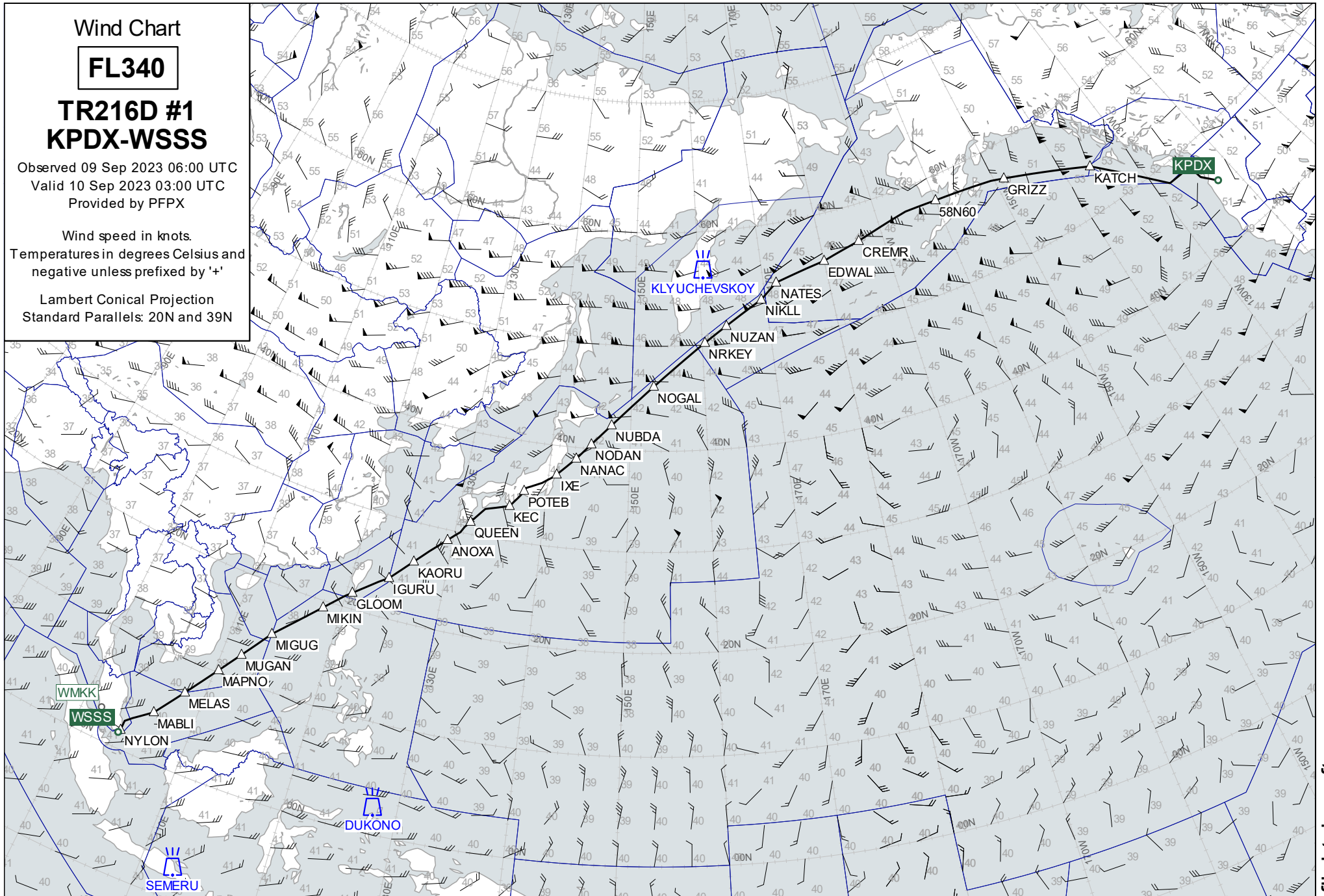
FL340

**TR216D #1
KPDX-WSSS**

Observed 09 Sep 2023 06:00 UTC
Valid 10 Sep 2023 03:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 20N and 39N



Wind Chart

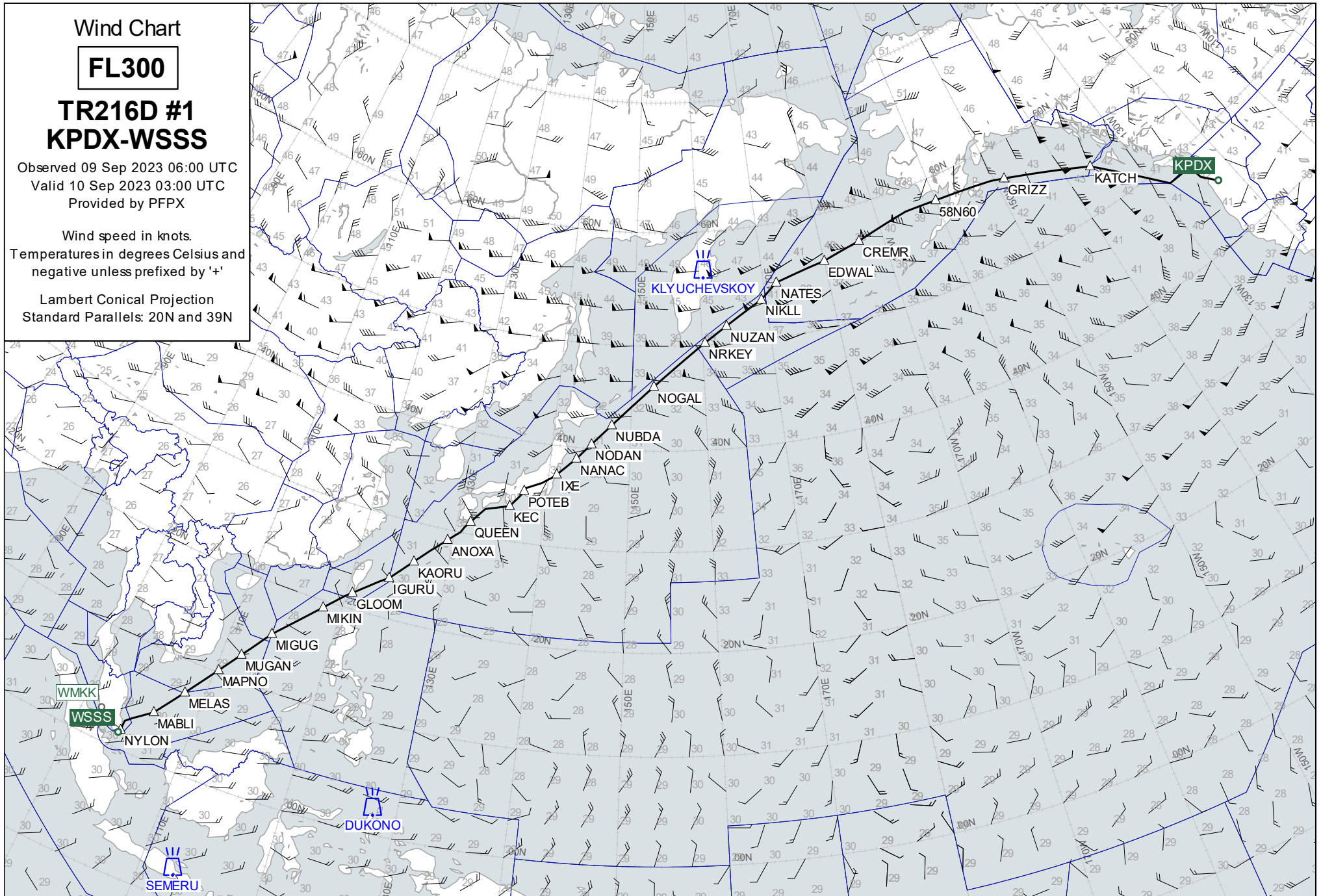
FL300

**TR216D #1
KPDX-WSSS**

Observed 09 Sep 2023 06:00 UTC
Valid 10 Sep 2023 03:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 20N and 39N



Wind Chart

FL380

**TR216D #1
KPDX-WSSS**

Observed 09 Sep 2023 06:00 UTC
Valid 10 Sep 2023 03:00 UTC
Provided by PFPX

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

Lambert Conical Projection
Standard Parallels: 20N and 39N

