



Flight Briefing Package

TCC216A 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 1608 UTC

TCC216A KPDX-WSSS (09-Sep-2023) #1

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC216A PJTGC KPDX-WSSS

 ALL WEIGHTS IN KILOGRAMS (KG) STD 09SEP/1845Z

OPF 1 - PREPARED 09SEP/1608Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR216A/TCC216A PJTGC/B777-2LR GE SEL/SALH 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: 7492 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	156746	263	0	26037	21582 LDW	MAX	209106	351378	223167
						PLN	182783	318899	201585
						ACT	.....	.....	.....

 ** TAKE-OFF DATA KPDX 28L **

COND: 318899 KG // RWY DRY // +17•C Q1020 CALM // LMT: STRUCT
 CONFIG: FLAPS 15 // D-TO +42C // A/I OFF/AUTO // A/C ON
 SPEEDS: V1=160 VR=166 V2=170
 ENG OUT: NONE

	FUEL	CORR	ENDUR	
TRIP	117314	.....	15:19	
CONT 5%	5866	.....	00:56	
ALTN WMKK	4352	.....	00:34	
FINAL RESV	3160	.....	00:30	
HOLD	2107	.....	00:20	
ADD FUEL	1737	.....	00:17	
MIN T/O	134536	.....	17:56	.....
EXTRA	1580	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	1005	.....	00:15	
RELEASE	137121	.....	18:26	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	18132	.....	02:42	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 23162 KG LIM BY LDW
 TRIP CORR FOR 5000 KG TOW INCR: +1572 KG / 5000 KG TOW DECR: -1358 KG
 2000 FT LOWER: +1217 KG / EET 15:09 CLB: 250/310/84 DES: 84/320/250

KPDX	STD 18:45Z/11:45L	ETD 18:45Z	ACT OFBL	EST T/O 19:00Z	ACT T/O
WSSS	STA 11:25Z/19:25L	ETA 10:29Z	ACT ONBL	EST LDG 10:19Z	ACT LDG
	SKD 16:40	PLN 15:44	TTL BLCK	EST FLT 15:19	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 03:24
ETOPS EXIT (PASY)	128 NM BEFORE EDWAL	N56 35.4 W176 19.1	EET 04:28
ETOPS ENTRY (PASY)	133 NM BEFORE NRKEY	N51 26.6 E163 17.8	EET 06:18
ETOPS EXIT (PASY)	196 NM BEFORE NUBDA	N44 41.2 E150 39.5	EET 07:48

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

KPDX (20:59-22:15)
PANC (21:57-00:47)
PASY (00:32-05:25)

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 120243 ETP FUEL REQ 18176	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 120243 ETP FUEL REQ 17287	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 FL203 CRUISE AT 1E0320	88 NM BEFORE KATCH	
PLN FUEL OVER ETP 120234 ETP FUEL REQ 17929	DIV TIME 01:34	
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 30.1 W170 02.7	EET 04:00
84/320/250 DESC TO FL100 CRUISE AT 1E0320	129 NM BEFORE CREMR	
PLN FUEL OVER ETP 98047 ETP FUEL REQ 17066	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 30.1 W170 02.7	EET 04:00
84/320/250 DESC TO FL100 CRUISE AT AE320	129 NM BEFORE CREMR	
PLN FUEL OVER ETP 98047 ETP FUEL REQ 16257	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 04:03
1E084/320 DESC TO FL210 CRUISE AT 1E0320	105 NM BEFORE CREMR	
PLN FUEL OVER ETP 97596 ETP FUEL REQ 17084	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: N0498F300 DCT HQM J501 TOU DCT DOLFF DCT KATCH DCT HMPTN/N0496F320
DCT GRIZZ DCT CJAYY DCT 58N160W DCT CHUUK DCT CREMR DCT

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EDWAL/N0497F340 DCT NATES DCT NIKLL DCT NYMPH DCT NUZAN DCT NRKEY
 DCT NIPPI/N0497F350 R220 NUBDA/N0495F360 R220 IXE Y88 NAKTU Y12
 SHIMA V52 KEC Y24 SUC B597 SEPIA Y26 IGURU Q13 PICHU/N0492F380 Q13
 KABAM N892 MIKIN/N0499F360 N892 MIGUG/K0905S1190 N892 MABAL MABA2B

ALTERNATE PLANNING

ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE
 WMKK/33 200 FL300 054 TL007 00:34 4352 - 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 31 076 136.1 / 1.0
 PORTLAND INTL 7238 N4534.8 W12235.0/.....

DCT *TOC 308 FL300 076 498 95 130.8 / 6.3 16 00.16
 P02 173/009 506 7142 N4649.0 W12400.0/.....

DCT HQM 307 FL300 054 **117.70** 498 10 130.6 / 6.5 01 00.17
 HOQUIAM P02 174/011 506 7132 N4656.8 W12409.0/.....

J501 WAPTO 339 FL300 065 498 32 130.0 / 7.1 04 00.21
 P02 170/014 511 7101 N4728.3 W12413.8/.....

J501 TOU 327 FL300 074 **112.20** 498 52 129.1 / 8.0 06 00.27
 TATOOSH NEAH BAY P02 169/016 514 7048 N4818.0 W12437.6/.....

DCT DOLFF 257 FL300 074 499 135 126.6 / 10.5 16 00.43
 -CZVR P02 201/011 495 6913 N4820.0 W12800.0/.....

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

*ETP 1 304 FL300 052 499 365 120.2 / 16.9 43 01.26
 KPDX/PANC P02 189/051 525 6548 N5256.4 W13416.8/.....

DCT KATCH 300 FL300 010 498 89 118.8 / 18.4 10 01.36
 -PAZA P02 183/063 535 6459 N5400.0 W13600.0/.....

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

DCT HMPTN 278 *CLB 010 305 113.7 / 23.4 34 02.10
 M01 170/075 6154 N5611.7 W14400.1/.....

DCT GRIZZ 277 FL320 010 496 159 110.9 / 26.3 19 02.29
 P03 281/018 486 5996 N5706.9 W14830.1/.....

DCT CJAYY 274 FL320 010 496 69 109.6 / 27.5 09 02.38
 P02 290/030 466 5926 N5727.9 W15031.9/.....

DCT 58N60 266 FL320 093 498 305 104.1 / 33.0 39 03.17
 58N160W P05 290/025 475 5621 N5800.0 W16000.0/.....

----- ETOPS ENTRY (PANC) 0106 NM BEFORE CHUUK EET 03:24 -----

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DCT **CHUUK** 262 FL320 037 500 166 101.0 / 36.1 21 03.38
P05 299/065 443 5455 N5803.5 W16512.9/.....

*ETP 2 251 FL320 020 500 182 97.6 / 39.5 25 04.03
PANC/PASY P05 295/066 447 5273 N5724.1 W17045.9/.....

DCT **CREMR** 249 FL320 020 502 106 95.6 / 41.5 14 04.17
P06 293/075 444 5167 N5654.9 W17352.1/.....

----- ETOPS EXIT (PASY) 0128 NM BEFORE EDWAL EET 04:28 -----

DCT **EDWAL** 252 *CLB 010 211 91.5 / 45.6 29 04.46
P07 256/070 4957 N5600.0 E18000.0/.....

DCT **NATES** 258 FL340 010 497 281 86.2 / 50.9 39 05.25
P06 250/065 430 4676 N5456.0 E17158.5/.....

DCT **NIKLL** 232 FL340 010 496 121 83.9 / 53.2 17 05.42
P05 252/068 432 4555 N5337.6 E16920.6/.....

DCT **NYMPH** 244 FL340 010 496 41 83.2 / 53.9 06 05.48
P05 253/069 428 4514 N5318.2 E16820.8/.....

DCT **NUZAN** 244 FL340 010 495 198 79.5 / 57.6 28 06.16
P04 263/076 427 4316 N5136.4 E16342.1/.....

----- ETOPS ENTRY (PASY) 0133 NM BEFORE NRKEY EET 06:18 -----

DCT **NRKEY** 242 FL340 010 498 151 76.7 / 60.4 21 06.37
P06 271/083 428 4164 N5011.7 E16023.4/.....

DCT **NIPPI** 240 *CLB 010 50 75.8 / 61.3 07 06.44
-RJJJ P07 272/087 4115 N4942.6 E15920.8/.....

R220 **NOGAL** 239 FL350 010 497 330 70.0 / 67.2 46 07.30
P08 267/060 448 3784 N4613.0 E15300.2/.....

----- ETOPS EXIT (RJCC) 0196 NM BEFORE NUBDA EET 07:48 -----

R220 **NUBDA** 234 *CLB 010 331 64.5 / 72.6 43 08.13
P10 261/046 3454 N4223.5 E14728.6/.....

R220 **NANNO** 232 FL360 010 495 40 63.8 / 73.3 06 08.19
P10 255/042 458 3414 N4155.0 E14651.6/.....

R220 **NODAN** 232 FL360 010 495 123 61.9 / 75.2 16 08.35
P10 239/030 464 3291 N4025.2 E14459.8/.....

R220 **NANAC** 231 FL360 010 495 122 60.0 / 77.1 15 08.50
P10 240/030 466 3168 N3854.4 E14313.7/.....

R220 **NIKON** 234 FL360 010 495 50 59.2 / 77.9 07 08.57
P10 231/030 466 3118 N3819.2 E14228.2/.....

R220 **BEKEN** 234 FL360 010 496 27 58.8 / 78.3 03 09.00
P10 226/030 465 3091 N3800.4 E14203.7/.....

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	RJGG	234	FL360	016		38	58.2 / 78.9	05	09.05
				P10	209/034	3053	N3733.5 E14129.4/.....	
R220	IXE IWAKI	233	FL360	090	117.70	496 35	57.7 / 79.4	05	09.10
				P10	214/032	464 3018	N3708.9 E14058.5/.....	
Y88	DAIGO	239	FL360	090		496 39	57.1 / 80.0	05	09.15
				P10	208/033	465 2980	N3644.7 E14021.0/.....	
Y88	HAGAR	245	FL360	047		496 18	56.8 / 80.3	02	09.17
				P10	204/034	466 2962	N3634.9 E14002.4/.....	
Y88	NIKKO	245	FL360	108		496 10	56.7 / 80.4	01	09.18
				P10	203/034	466 2951	N3629.3 E13951.8/.....	
Y88	AKAGI	242	FL360	108		496 10	56.5 / 80.6	02	09.20
				P10	201/034	466 2942	N3623.5 E13941.9/.....	
Y88	GYODA	242	FL360	108		496 23	56.2 / 80.9	03	09.23
				P10	197/035	467 2918	N3609.8 E13918.7/.....	
Y88	TEPEX	253	FL360	110		496 23	55.8 / 81.3	03	09.26
				P10	194/034	471 2895	N3600.3 E13853.0/.....	
Y88	OSPAN	253	FL360	147		496 15	55.6 / 81.5	01	09.27
				P10	192/031	473 2880	N3553.8 E13835.8/.....	
Y88	PIGAP	253	FL360	147		495 15	55.4 / 81.7	02	09.29
				P10	189/028	476 2865	N3547.4 E13819.0/.....	
Y88	TENRU	253	FL360	147		495 17	55.1 / 82.0	02	09.31
				P10	186/026	478 2848	N3540.2 E13800.4/.....	
Y88	SUGAL	254	FL360	147		495 11	55.0 / 82.1	02	09.33
				P10	183/026	481 2837	N3535.6 E13747.7/.....	
Y88	NAKTU	253	FL360	124		495 18	54.7 / 82.4	02	09.35
				P10	180/026	482 2819	N3528.0 E13727.8/.....	
Y12	POTEB	217	FL360	124		496 22	54.4 / 82.7	03	09.38
				P10	180/026	472 2797	N3508.7 E13714.9/.....	
Y12	KOHWA	216	FL360	124		496 30	53.9 / 83.2	04	09.42
				P10	177/023	475 2767	N3442.3 E13657.5/.....	
Y12	SHIMA	225	FL360	079		495 30	53.5 / 83.6	04	09.46
				P10	173/021	479 2737	N3418.3 E13635.3/.....	
V52	AYANO	226	FL360	079		495 16	53.3 / 83.9	02	09.48
				P10	170/020	480 2721	N3405.8 E13623.6/.....	
V52	KEC KUSHIMOTO	225	FL360	079	112.90	495 49	52.5 / 84.6	06	09.54
				P10	161/021	483 2672	N3326.9 E13547.7/.....	
Y24	ALBAT	262	FL360	055		494 18	52.3 / 84.8	02	09.56
				P10	159/024	495 2653	N3321.9 E13526.5/.....	
Y24	HALON	260	FL360	088		494 23	52.0 / 85.2	03	09.59

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				P09 159/027 495 2630	N3314.9 E13459.8/.....
Y24	TURFY	262	FL360 088	494 19	51.7 / 85.4	02 10.01
				P09 159/031 496 2611	N3309.8 E13438.5/.....
Y24	JAKAL	261	FL360 088	494 21	51.4 / 85.7	03 10.04
				P09 158/037 496 2590	N3303.7 E13414.1/.....
Y24	GREEN	262	FL360 088	494 35	50.9 / 86.2	04 10.08
				P10 157/044 497 2555	N3253.9 E13334.0/.....
Y24	SUC SHIMIZU	261	FL360 042	115.20 495 30	50.5 / 86.6	03 10.11
				P10 156/049 498 2525	N3245.4 E13259.8/.....
B597	MADOG	227	FL360 042	496 49	49.8 / 87.3	07 10.18
				P10 154/051 471 2476	N3207.5 E13223.8/.....
B597	HIROS	226	FL360 042	497 15	49.6 / 87.6	02 10.20
				P10 153/053 472 2461	N3155.5 E13212.5/.....
B597	JACKY	226	FL360 050	497 28	49.1 / 88.0	03 10.23
				P10 151/055 472 2432	N3133.3 E13151.8/.....
B597	QUEEN	226	FL360 050	497 25	48.8 / 88.4	03 10.26
				P10 149/055 473 2407	N3113.6 E13133.6/.....
B597	JOKER	225	FL360 050	497 8	48.6 / 88.5	01 10.27
				P10 149/056 473 2399	N3107.0 E13127.6/.....
	ROAH	225	FL360 050	7	48.5 / 88.6	01 10.28
				P09 152/019 2392	N3101.6 E13122.6/.....
B597	TEPPO	225	FL360 050	497 20	48.2 / 88.9	03 10.31
				P10 149/050 476 2372	N3045.6 E13108.1/.....
B597	TGE NAKATANE	225	FL360 087	115.40 497 12	48.1 / 89.1	01 10.32
				P10 149/044 476 2360	N3036.1 E13059.5/.....
B597	ANREM	215	FL360 087	497 18	47.8 / 89.3	03 10.35
				P10 150/031 471 2342	N3020.6 E13050.1/.....
B597	SEPIA	214	FL360 087	497 23	47.5 / 89.6	02 10.37
				P10 151/017 478 2319	N3000.5 E13038.1/.....
Y26	SWANO	235	FL360 087	496 39	46.9 / 90.2	05 10.42
				P10 319/009 495 2280	N2934.5 E13004.5/.....
Y26	ANOXA	233	FL360 045	495 51	46.2 / 90.9	06 10.48
				P10 326/042 501 2230	N2859.3 E12922.6/.....
Y26	POLAM	233	FL360 036	495 69	45.3 / 91.8	09 10.57
				P09 323/042 499 2161	N2811.9 E12826.4/.....
Y26	YURIX	232	FL360 035	495 61	44.5 / 92.6	07 11.04
				P09 319/033 497 2100	N2729.3 E12736.9/.....
Y26	KAORU	229	FL360 028	496 111	43.0 / 94.2	13 11.17
				P10 311/020 495 1989	N2608.6 E12612.5/.....

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Y26	LILRA	229	FL360 030	496	107	41.5 / 95.6	13	11.30
			P10 303/029	491	1882	N2449.8 E12452.3/.....	
	RCKH	227	FL360 030		52	40.8 / 96.3	07	11.37
			P10 358/031		1830	N2411.3 E12414.0/.....	
Y26 -RCAA	IGURU	227	FL360 030	497	19	40.5 / 96.6	02	11.39
			P10 294/029	489	1811	N2357.0 E12400.0/.....	
Q13	TULTO	241	FL360 010	498	67	39.6 / 97.5	08	11.47
			P11 301/029	485	1744	N2319.4 E12300.0/.....	
Q13	BOGUM	237	FL360 111	499	93	38.3 / 98.8	12	11.59
			P12 302/022	490	1651	N2221.9 E12141.5/.....	
Q13	SHIJA	236	FL360 111	499	20	38.0 / 99.1	02	12.01
			P12 304/022	491	1631	N2209.4 E12124.6/.....	
Q13	PICHU	235	*CLB 111		16	37.8 / 99.3	02	12.03
			P12 305/023		1615	N2159.4 E12111.2/.....	
Q13	GLOOM	235	FL380 024	492	41	37.2 / 99.9	05	12.08
			P07 311/025	487	1574	N2133.6 E12036.9/.....	
Q13 -RPHI	KABAM	235	*DES 024		53	36.5 / 100.7	07	12.15
			P07 313/023		1521	N2100.0 E11952.8/.....	
N892	*TOD	229	FL360 010	494	6	36.5 / 100.7	00	12.15
			P12 312/021	493	1515	N2055.9 E11948.4/.....	
N892	MIKIN	229	FL360 010	499	136	34.7 / 102.4	17	12.32
			P13 345/019	508	1380	N1920.1 E11806.6/.....	
N892	MUMOT	228	FL360 010	499	26	34.3 / 102.8	03	12.35
			P13 351/018	510	1354	N1901.7 E11747.4/.....	
	RPLC	228	FL360 010		7	34.2 / 102.9	01	12.36
			P13 331/018		1347	N1856.4 E11741.9/.....	
N892	MAVRA	228	FL360 010	499	98	33.0 / 104.1	11	12.47
			P13 003/021	514	1249	N1746.7 E11630.1/.....	
	*CLB	227	FL390 010	499	25	32.7 / 104.4	03	12.50
			P13 008/022	518	1224	N1728.7 E11611.9/.....	
	VVCR	227	FL390 010		141	30.8 / 106.3	16	13.06
			P05 026/038		1083	N1547.1 E11430.3/.....	
N892 -ZJSA	MIGUG	226	FL390 010	489	43	30.3 / 106.8	05	13.11
			P05 024/038	523	1040	N1516.4 E11400.0/.....	
N892 -VVTS	MONBO	218	FL390 010	488	57	29.6 / 107.5	07	13.18
			P05 032/038	527	983	N1430.0 E11325.7/.....	
N892	MESOX	217	FL390 010	488	38	29.1 / 108.0	04	13.22
			P05 035/041	529	945	N1358.8 E11302.7/.....	

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N892	MUGAN	217	FL390	010	489	119	27.7 / 109.4	14	13.36
			P05	049/045	532	826	N1222.0 E11152.3/.....	
N892	MIMUX	217	FL390	010	488	78	26.8 / 110.3	08	13.44
			P05	058/050	533	748	N1118.3 E11106.2/.....	
N892	MAPNO	216	FL390	010	488	80	25.9 / 111.2	09	13.53
			P04	064/050	531	668	N1013.1 E11020.1/.....	
N892	OSIXA	216	FL390	017	488	51	25.3 / 111.8	06	13.59
			P04	066/048	529	617	N0931.3 E10950.6/.....	
N892	MOXON	216	FL390	017	488	51	24.7 / 112.4	06	14.05
			P04	067/045	525	566	N0849.5 E10921.3/.....	
N892	MELAS	215	FL390	010	488	127	23.2 / 113.9	15	14.20
-WSJC			P03	062/029	514	440	N0705.3 E10809.2/.....	
	WSSS	215	FL390	010		43	22.7 / 114.4	05	14.25
			P03	069/035		397	N0629.7 E10744.4/.....	
N892	MABLI	215	FL390	010	488	161	20.8 / 116.4	18	14.43
			P03	052/034	520	235	N0417.3 E10612.8/.....	
N892	MUMSO	231	FL390	032	488	52	20.2 / 117.0	06	14.49
			P03	049/038	526	183	N0344.3 E10532.2/.....	
N892	MABAL	231	FL390	032	488	25	19.9 / 117.3	03	14.52
			P03	049/038	526	158	N0328.4 E10512.6/.....	
MABA2B	KILOT	231	*DES	032		42	19.6 / 117.6	05	14.57
			P13	063/024		116	N0302.3 E10440.4/.....	
MABA2B	*BDRY	227	*DES	047		16	19.5 / 117.6	02	14.59
-WMFC			P16	073/020		101	N0251.6 E10428.9/.....	
MABA2B	PIBAP	227	*DES	047		31	19.4 / 117.7	04	15.03
-WSJC			P16	082/011		70	N0230.4 E10406.3/.....	
MABA2B	PASPU	180	*DES	047		31	19.3 / 117.8	05	15.08
			P13	199/010		38	N0159.3 E10406.3/.....	
MABA2B	NYLON	180	*DES	024		22	19.1 / 118.0	05	15.13
			P12	198/011		16	N0137.0 E10406.4/.....	
MABA2B	*BDRY	207	*DES	024		14	19.0 / 118.2	04	15.17
			P14	189/010		3	N0124.9 E10400.3/.....	
MABA2B	WSSS/20R	203		22 034		3	18.8 / 118.3	02	15.19
	CHANGI						N0122.6 E10359.3/.....	

TCC216A KPDX-WSSS (09-Sep-2023) #1

WIND INFORMATION - OBS 09/SEP 06:00

(CLIMB)			HQM			DOLFF			KATCH		
FL290	162/008	-40	FL340	188/014	-52	FL340	216/008	-52	FL340	186/062	-54
FL230	154/010	-25	FL320	183/013	-47	FL320	208/010	-47	FL320	185/063	-48
17000	181/010	-10	FL300	175/011	-43	FL300	202/011	-42	FL300	183/063	-43
11000	194/019	+1	FL280	169/012	-38	FL280	197/012	-38	FL280	182/062	-38
5000	171/010	+13	FL260	163/012	-33	FL260	192/012	-33	FL260	181/060	-33
GRIZZ			58N60			CHUUK			CREMR		
FL360	249/015	-47	FL360	288/028	-45	FL360	300/060	-45	FL360	294/076	-45
FL340	265/015	-48	FL340	290/025	-46	FL340	299/062	-45	FL340	295/082	-45
FL320	282/019	-45	FL320	291/025	-43	FL320	299/066	-43	FL320	293/075	-42
FL300	293/023	-42	FL300	292/025	-40	FL300	300/070	-40	FL300	290/069	-40
FL280	265/014	-40	FL280	285/022	-38	FL280	300/068	-37	FL280	292/062	-35
NATES			NIKLL			NUZAN			NRKEY		
FL380	246/059	-47	FL380	252/062	-48	FL380	266/073	-49	FL380	275/081	-49
FL360	248/062	-47	FL360	253/065	-48	FL360	265/075	-49	FL360	273/082	-48
FL340	251/066	-46	FL340	253/069	-47	FL340	264/077	-48	FL340	272/083	-46
FL320	252/066	-44	FL320	254/069	-44	FL320	262/073	-44	FL320	270/078	-43
FL300	252/067	-41	FL300	255/069	-41	FL300	260/069	-40	FL300	269/072	-39
NOGAL			NANNO			NODAN			NANAC		
FL390	274/065	-53	FL400	255/043	-55	FL400	240/032	-55	FL400	238/029	-56
FL370	271/063	-50	FL380	253/043	-51	FL380	237/032	-51	FL380	239/031	-52
FL350	268/061	-46	FL360	255/042	-46	FL360	239/031	-46	FL360	241/031	-47
FL330	268/059	-41	FL340	258/041	-41	FL340	242/029	-41	FL340	242/030	-41
FL310	274/057	-36	FL320	259/040	-36	FL320	247/030	-36	FL320	240/027	-36
IXE			TEPEX			KOHWA			ALBAT		
FL400	210/027	-56	FL400	186/028	-55	FL400	169/020	-55	FL400	163/025	-55
FL380	212/030	-52	FL380	191/032	-52	FL380	173/023	-52	FL380	164/029	-52
FL360	215/032	-47	FL360	195/035	-46	FL360	178/023	-46	FL360	160/024	-47
FL340	217/035	-41	FL340	199/037	-41	FL340	183/024	-41	FL340	152/020	-41
FL320	213/032	-36	FL320	198/034	-36	FL320	179/024	-35	FL320	160/018	-36
SUC			QUEEN			SWANO			POLAM		
FL400	152/045	-55	FL400	157/048	-54	FL400	333/009	-52	FL400	327/040	-55
FL380	153/052	-51	FL380	156/057	-51	FL380	325/011	-49	FL380	324/043	-52
FL360	156/050	-47	FL360	150/056	-46	FL360	320/010	-46	FL360	323/042	-47
FL340	160/047	-42	FL340	143/056	-41	FL340	312/008	-43	FL340	323/042	-42
FL320	155/039	-36	FL320	148/045	-36	FL320	309/008	-38	FL320	320/038	-36
KAORU			LILRA			TULTO			SHIJA		
FL400	317/026	-55	FL400	315/027	-55	FL400	305/031	-55	FL400	305/029	-55
FL380	313/026	-52	FL380	310/030	-50	FL380	300/034	-50	FL380	302/026	-50
FL360	311/021	-47	FL360	304/030	-46	FL360	302/029	-45	FL360	305/022	-44
FL340	309/015	-41	FL340	297/030	-42	FL340	304/024	-40	FL340	309/018	-38
FL320	308/022	-36	FL320	299/024	-36	FL320	304/016	-35	FL320	289/012	-33
MIKIN			MAVRA			MIGUG			MUGAN		
FL400	345/029	-55	FL400	355/030	-55	FL430	025/032	-63	FL430	054/044	-63
FL380	347/023	-49	FL380	356/025	-49	FL410	025/035	-57	FL410	052/045	-57
FL360	345/019	-44	FL360	003/021	-43	FL390	024/038	-52	FL390	050/046	-51
FL340	342/014	-38	FL340	015/017	-37	FL370	035/033	-46	FL370	060/042	-46

TCC216A KPDX-WSSS (09-Sep-2023) #1

FL320 351/011 -32 FL320 035/012 -32 FL350 055/028 -41 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 060/045 -63
FL410 061/038 -58
FL390 063/029 -53
FL370 067/025 -48
FL350 074/022 -43

MABLI

FL430 058/050 -64
FL410 056/043 -59
FL390 053/034 -53
FL370 053/030 -48
FL350 055/026 -43

(DESCENT)

FL380 051/029 -51
FL310 060/025 -33
FL230 093/016 -14
FL150 125/007 -0
7000 211/013 +14

END FLIGHTPLAN 01683 TCC216A PJTGC KPDX-WSSS 09SEP2023

TCC216A KPDX-WSSS (09-Sep-2023) #1

[ATC FLIGHTPLAN]

(FPL-TCC216A-IS

-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2

-KPDX1845

-N0498F300 DCT HQM J501 TOU DCT DOLFF DCT KATCH DCT

HMPTN/N0496F320 DCT GRIZZ DCT CJAYY DCT 58N160W DCT CHUUK DCT

CREMR DCT EDWAL/N0497F340 DCT NATES DCT NIKLL DCT NYMPH DCT

NUZAN DCT NRKEY DCT NIPPI/N0497F350 R220 NUBDA/N0495F360 R220

IXE Y88 NAKTU Y12 SHIMA V52 KEC Y24 SUC B597 SEPIA Y26 IGURU Q13

PICHU/N0492F380 Q13 KABAM N892 MIKIN/N0499F360 N892

MIGUG/K0905S1190 N892 MABAL MABA2B

-WSSS1519 WMKK

-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/230909 REG/PJTGC

EET/CZVR0043 PAZA0136 RJJJ0644 RCAA1139 RPHI1215 ZJSA1311

VVTS1318 WSJC1420 WMFC1459 WSJC1517

SEL/SALH CODE/484DC5 RVR/75 OPR/TRADEWIND CARIBBEAN

ORGN/TNCCTCAP PER/C

RALT/PANC PASY

RMK/TCAS

-E/1811)

TCC216A 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

TCC216A 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
A2984

RJCC 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 SCT020

TEMPO 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

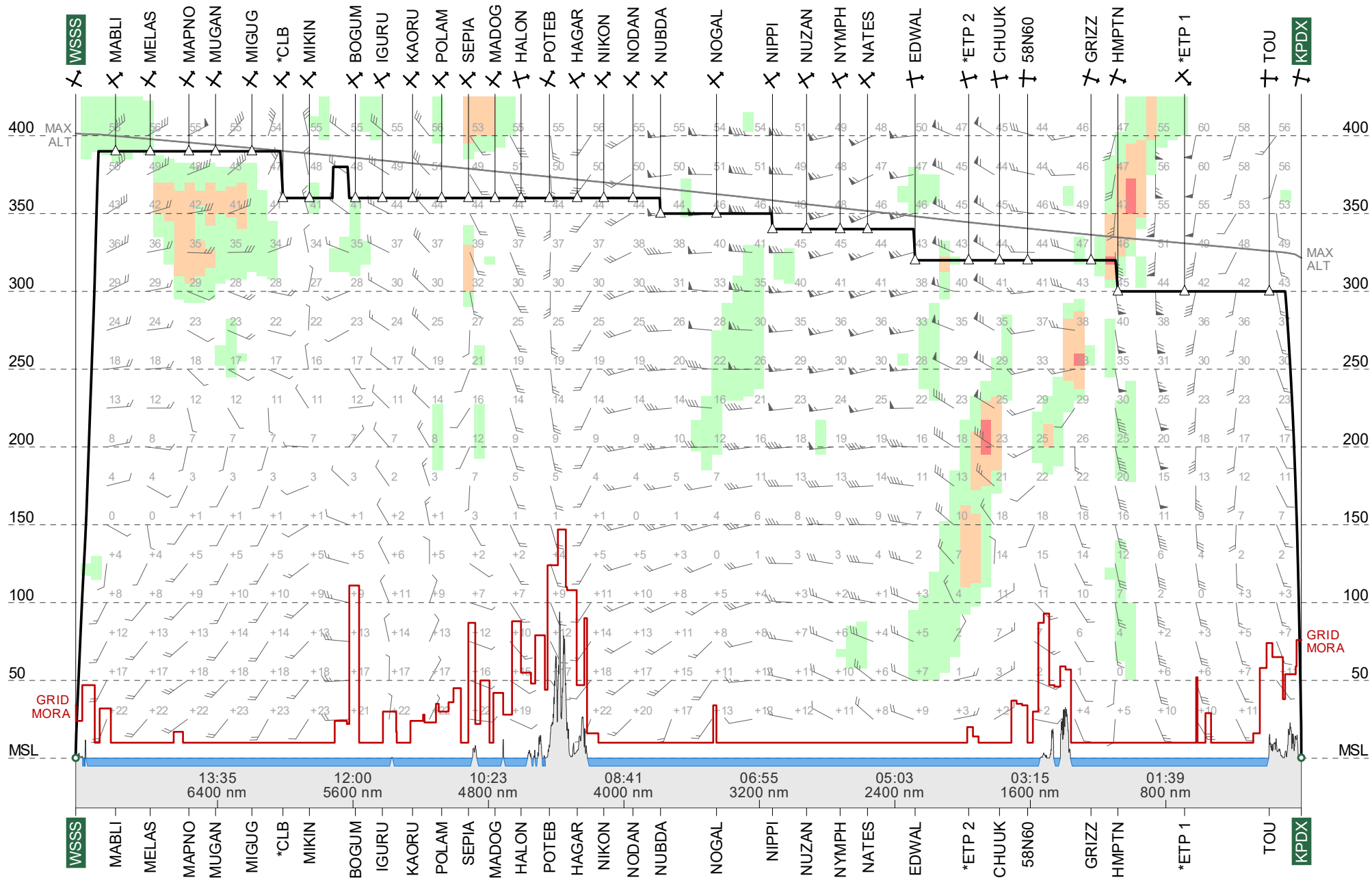
BECMG 1002/1003 14010KT

TEMPO 1007/1011 TS SCT013 FEW017CB SCT060

TR216A #1

WSSS ← — KPDX

ETD 09 Sep 18:45z
PJTGC B77L



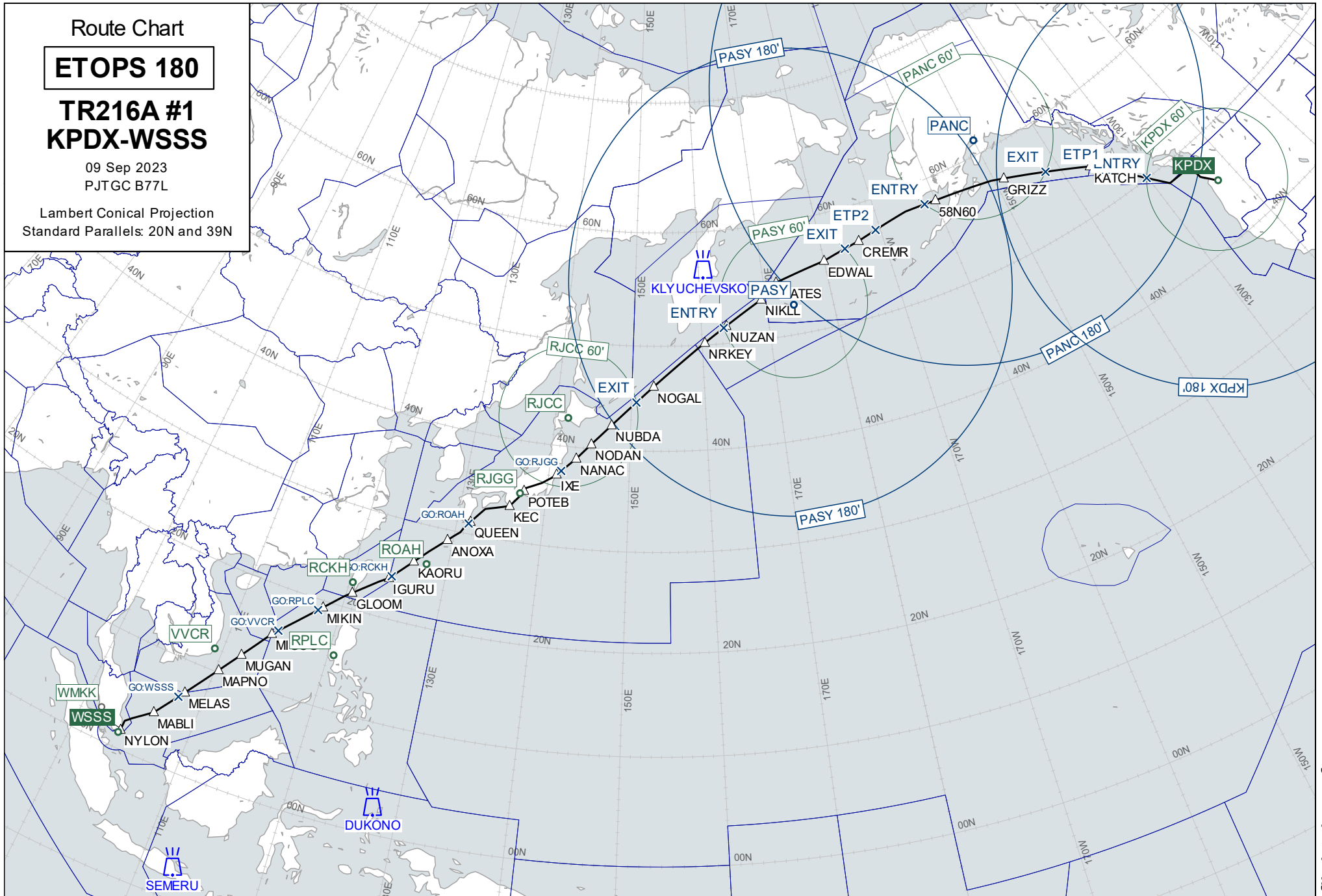
Route Chart

ETOPS 180

TR216A #1
KPDX-WSSS

09 Sep 2023
PJTGC B77L

Lambert Conical Projection
Standard Parallels: 20N and 39N



Wind Chart

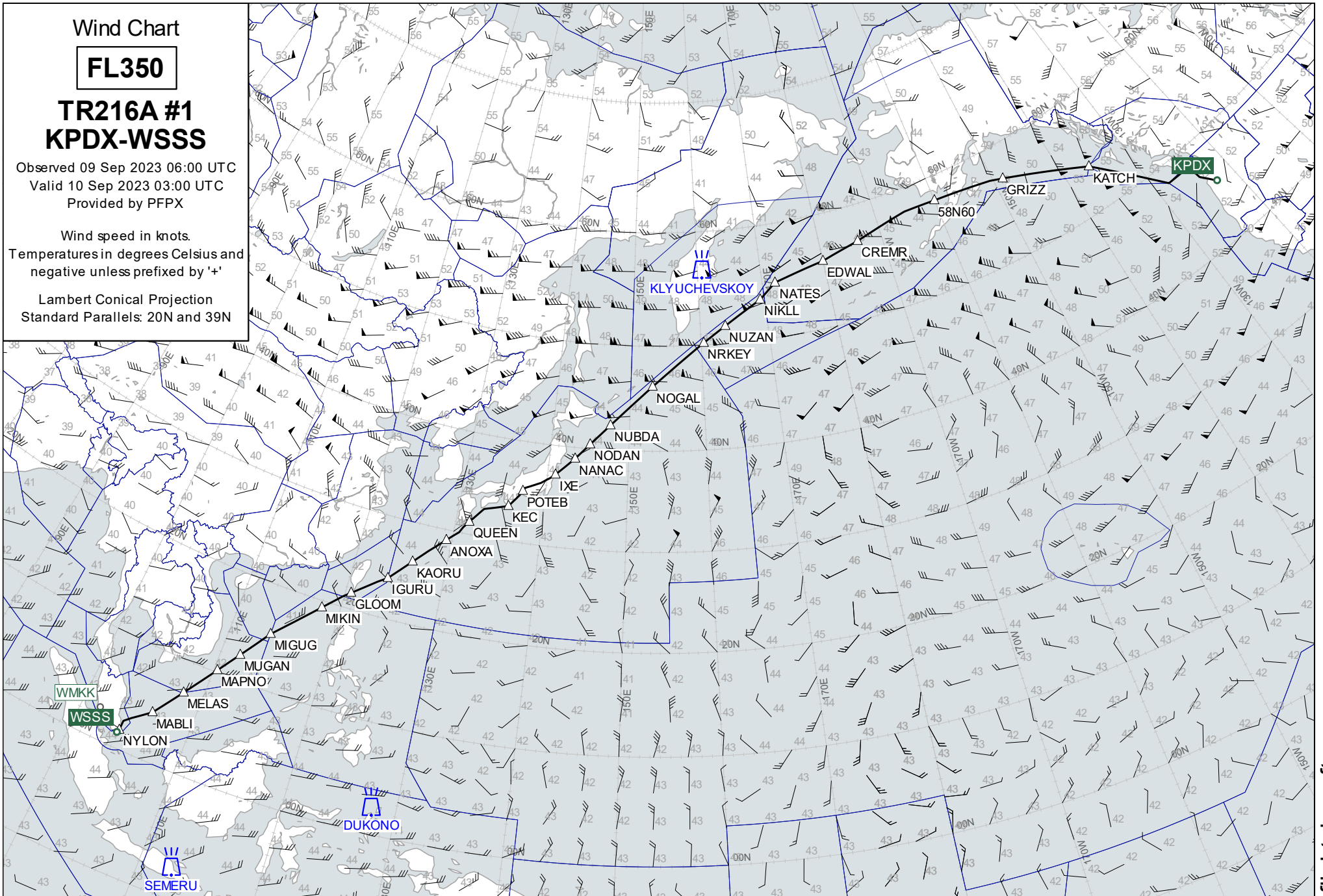
FL350

**TR216A #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

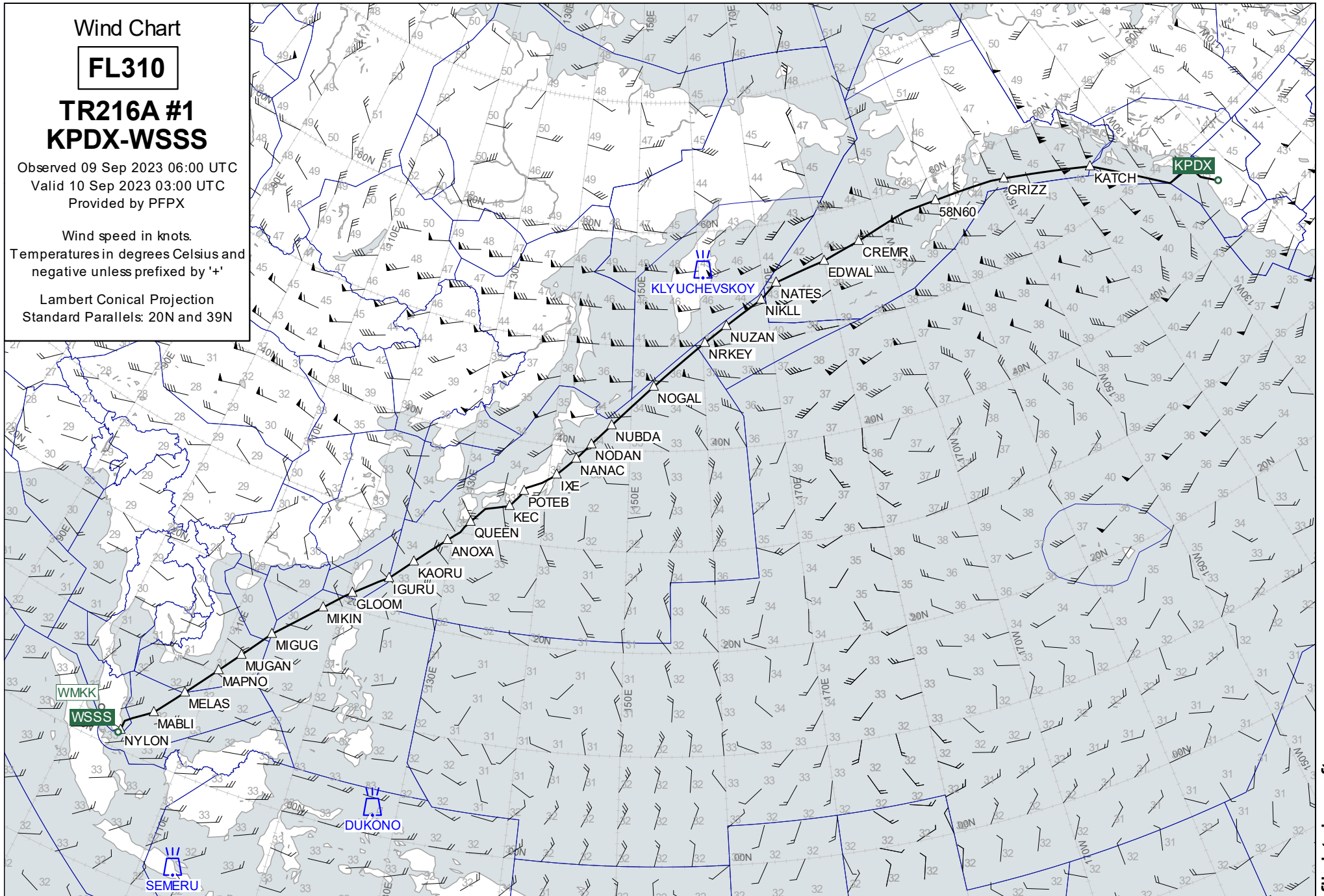
FL310

**TR216A #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

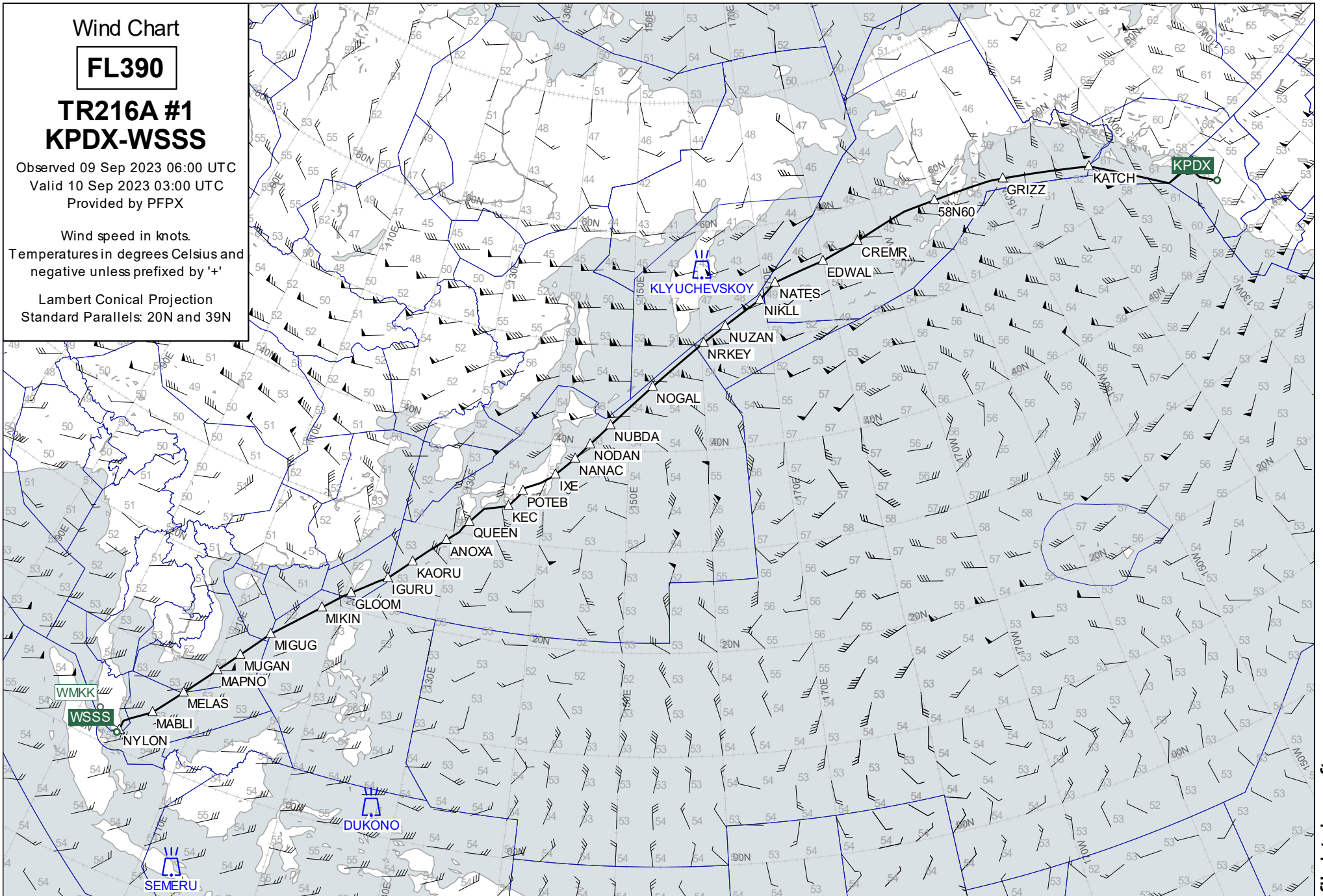
FL390

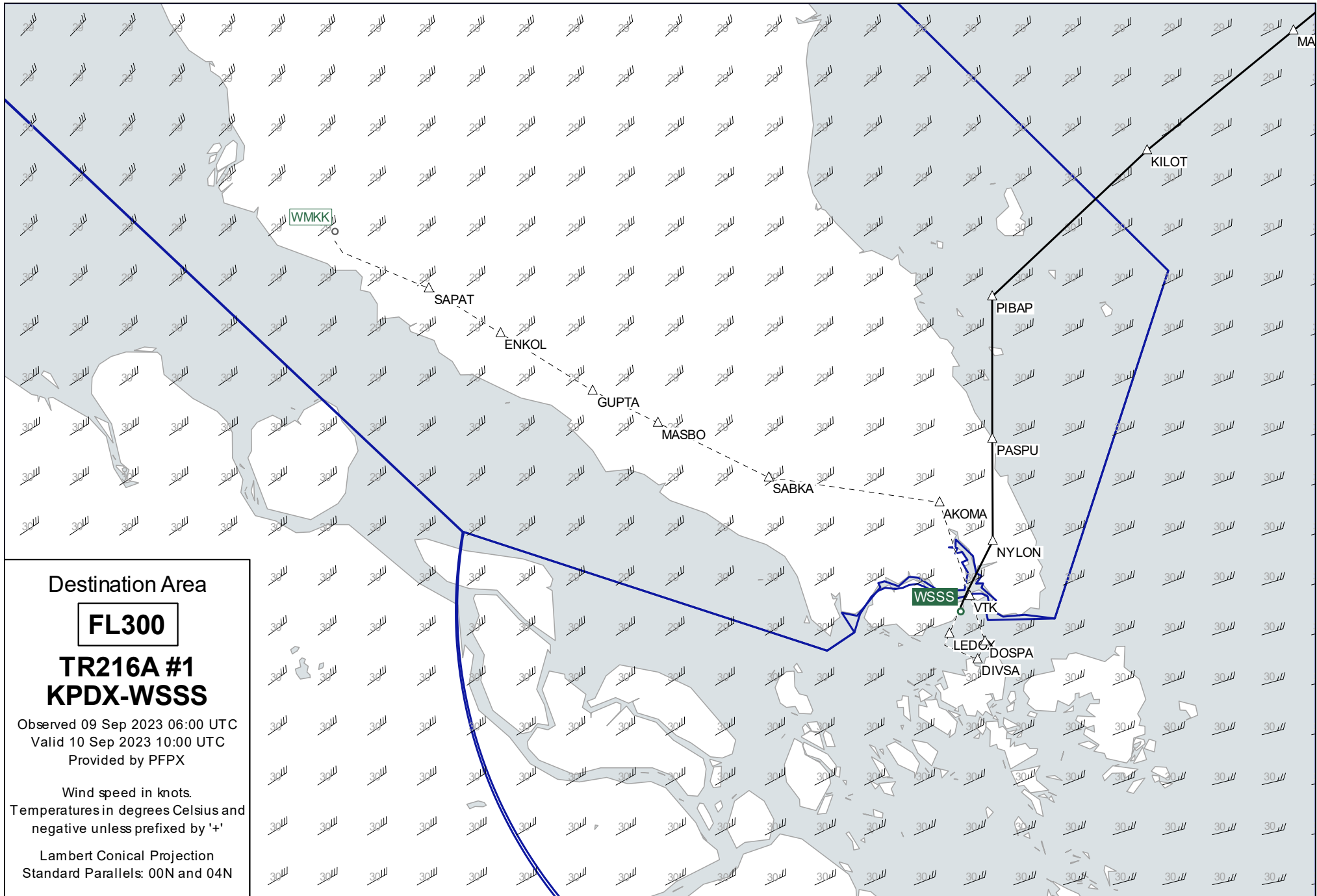
**TR216A #1
KPDX-WSSS**

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





Destination Area

FL300

**TR216A #1
KPDX-WSSS**

Observed 09 Sep 2023 06:00 UTC

Valid 10 Sep 2023 10:00 UTC

Provided by PFPX

Wind speed in knots.

Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection

Standard Parallels: 00N and 04N