



## **Flight Briefing Package**

**TCC317A RJGG-KPDX**

**24-Sep-2023 #1**

RELEASE #1

CHUBU CENTRAIR INTL  
(JAPAN)

-

PORTLAND INTL  
(UNITED STATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

24 SEP 0907 UTC

**TCC317A RJGG-KPDX (24-Sep-2023) #1**

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC317A PJTGC RJGG-KPDX

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 ALL WEIGHTS IN KILOGRAMS (KG) STD 24SEP/1025Z  
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OPF 1 - PREPARED 24SEP/0907Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR317A/TCC317A PJTGC/B777-2LR GE SEL/SALH ROUTE: RJGGKPDX01

DEP: RJGG/NGO 18 ELEV 12 FT COST INDEX: 250 TTL G/C DIST: 4351 NM  
 ARR: KPDX/PDX 28L ELEV 31 FT INIT ALT: FL350 TTL F/P DIST: 4485 NM  
 FUEL BIAS: 102.5% TTL AIR DIST: 3909 NM  
 AVG WIND CMP: TL071 KT

ALT: KSEA/SEA 16R ELEV 432 FT 129 NM

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CONFIG	DOW	PAX	CARGO	TOTAL	ULOAD LIM	ZFW	TOW	LDW
STANDARD	156746	263	0	26037	23568 LDW	MAX 209106	312180	223167
						PLN 182783	254971	199599
						ACT .....	.....	.....

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 \*\* TAKE-OFF DATA RJGG 18 \*\*

COND: 254971 KG // RWY DRY // +25•C Q1016 110/10 // LMT: STRUCT  
 CONFIG: FLAPS 5 // D-T01 +53C // A/I OFF/AUTO // A/C ON  
 SPEEDS: V1=155 VR=157 V2=159  
 ENG OUT: AT 15 DME 'CBE' 117.8 RT TO 'CBE' 117.8 (360 INBD,LT)

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	<b>FUEL</b>	<b>CORR</b>	<b>ENDUR</b>	
TRIP	55372	.....	08:10	
CONT 5%	2769	.....	00:27	
ALTN KSEA	3138	.....	00:30	
FINAL RESV	3125	.....	00:30	
HOLD	2087	.....	00:20	
ADD FUEL	1015	.....	00:10	
ETP ADD	3117	.....		
<b>MIN T/O</b>	<b>70623</b>	.....	10:06	.....
EXTRA	1565	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	1005	.....	00:15	
<b>RELEASE</b>	<b>73193</b>	.....	10:36	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	16146	.....	02:01	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 25133 KG LIM BY LDW  
 TRIP CORR FOR 5000 KG TOW INCR: +1020 KG / 5000 KG TOW DECR: -969 KG  
 2000 FT LOWER: +889 KG / EET 08:07 CLB: 250/310/84 DES: 84/320/250

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RJGG	STD 10:25Z/19:25L	ETD 10:25Z	ACT OFBL ....	EST T/O 10:40Z	ACT T/O ....
KPDX	STA 21:00Z/14:00L	ETA 19:00Z	ACT ONBL ....	EST LDG 18:50Z	ACT LDG ....
	SKD 10:35	PLN 08:35	TTL BLCK ....	EST FLT 08:10	TTL FLT ....

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (RJCC) 209 NM BEFORE PUGAL N42 30.0 E150 52.5 EET 01:36

# TCC317A RJGG-KPDX (24-Sep-2023) #1

ETOPS EXIT (PASY) 36 NM BEFORE POWAL N49 51.4 E164 19.5 EET 02:46  
ETOPS ENTRY (PASY) 168 NM BEFORE RADIC N53 49.2 W174 43.9 EET 04:04  
ETOPS EXIT (PANC) 303 NM BEFORE TOU N48 59.1 W132 10.8 EET 07:02

## ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

RJCC (13:17-14:50)  
PASY (14:10-17:07)  
PANC (16:38-20:13)

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**ONE ENGINE OUT ETP 1 FOR RJCC/PASY** N46 06.8 E156 33.3 EET 02:09  
1E084/320 DESC TO FL262 CRUISE AT 1E0320 213 NM BEFORE PASRO  
PLN FUEL OVER ETP 53861 ETP FUEL REQ 16179 DIV TIME 01:34  
ETP TO RJCC (N42 46.5 E141 41.6) DIST 667 NM WC HD026 TT 258  
ETP TO PASY (N52 42.7 E174 06.8) DIST 790 NM WC TL054 TT 053

**ONE ENGINE OUT DECOMP ETP 1 FOR RJCC/PASY** N46 31.9 E157 18.3 EET 02:13  
84/320/250 DESC TO FL100 CRUISE AT 1E0320 173 NM BEFORE PASRO  
PLN FUEL OVER ETP 53411 ETP FUEL REQ 17041 DIV TIME 01:57  
ETP TO RJCC (N42 46.5 E141 41.6) DIST 703 NM WC HD010 TT 257  
ETP TO PASY (N52 42.7 E174 06.8) DIST 750 NM WC TL017 TT 054

**ALL ENGINE DECOMP ETP 1 FOR RJCC/PASY** N46 31.9 E157 18.3 EET 02:13  
84/320/250 DESC TO FL100 CRUISE AT AE320 173 NM BEFORE PASRO  
PLN FUEL OVER ETP 53411 ETP FUEL REQ 16265 DIV TIME 01:57  
ETP TO RJCC (N42 46.5 E141 41.6) DIST 703 NM WC HD010 TT 257  
ETP TO PASY (N52 42.7 E174 06.8) DIST 750 NM WC TL017 TT 054

**ONE ENGINE OUT ETP 2 FOR PASY/PANC** N54 00.0 W170 01.2 EET 04:20  
1E084/320 DESC TO FL282 CRUISE AT 1E0320 1 NM BEFORE RADIC  
PLN FUEL OVER ETP 39349 ETP FUEL REQ 16839 DIV TIME 01:38  
ETP TO PASY (N52 42.7 E174 06.8) DIST 573 NM WC HD117 TT 269  
ETP TO PANC (N61 10.5 W149 59.9) DIST 771 NM WC TL009 TT 048

**ONE ENGINE OUT DECOMP ETP 2 FOR PASY/PANC** N53 37.8 W167 42.4 EET 04:28  
84/320/250 DESC TO FL100 CRUISE AT 1E0320 296 NM BEFORE 52N60  
PLN FUEL OVER ETP 38473 ETP FUEL REQ 16922 DIV TIME 01:59  
ETP TO PASY (N52 42.7 E174 06.8) DIST 656 NM WC HD033 TT 273  
ETP TO PANC (N61 10.5 W149 59.9) DIST 727 NM WC TL006 TT 044

**ALL ENGINE DECOMP ETP 2 FOR PASY/PANC** N53 37.8 W167 42.4 EET 04:28  
84/320/250 DESC TO FL100 CRUISE AT AE320 296 NM BEFORE 52N60  
PLN FUEL OVER ETP 38473 ETP FUEL REQ 16151 DIV TIME 01:59  
ETP TO PASY (N52 42.7 E174 06.8) DIST 656 NM WC HD033 TT 273  
ETP TO PANC (N61 10.5 W149 59.9) DIST 727 NM WC TL006 TT 044

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**ATC ROUTE:** N0493F350 MEIJY3 KCC Y88 DAIGO Y889 PUTER A590 PUGAL/M084F370 A590  
PLADO G215 CURVS DCT RADIC DCT 52N160W 51N150W 50N140W/M085F390 DCT  
PRETY DCT TOU DCT KEIKO DCT

## ALTERNATE PLANNING

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ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE  
KSEA/16R 129 9000 107 TL016 00:30 3138 - OLM OLM2

## TCC317A RJGG-KPDX (24-Sep-2023) #1

MOST CRITICAL MORA 14700 FT AT TENRU

AWY -FIR	WAYPOINT NAME	MT	ALT	MSA ISA	FREQ WND/SPD	TAS GS	LEG REM	FUEL REM / USED POSITION	LEG ETO / ATO	ACC
	RJGG/18 CHUBU CENTRAIR INTL		12 079					72.2 / 1.0 N3452.4 E13648.1	...../.....	
MEIJY3	GG800	263	*CLB 079 P09		113/008		7 4478	71.0 / 2.2 N3451.2 E13642.4	03 00.03 ...../.....	
MEIJY3	DEGNA	357	*CLB 079 P09		120/005		6 4472	70.5 / 2.7 N3456.9 E13641.0	01 00.04 ...../.....	
MEIJY3	KCC NAGOYA	039	*CLB 080 P12		114.20 346/014		22 4450	69.4 / 3.8 N3515.9 E13654.9	04 00.08 ...../.....	
Y88	SWING	074	*CLB 124 P10		346/014		18 4431	68.7 / 4.5 N3523.4 E13715.5	02 00.10 ...../.....	
Y88	NAKTU	073	*CLB 124 P08		348/018		11 4420	68.3 / 4.9 N3528.0 E13727.8	01 00.11 ...../.....	
Y88	SUGAL	073	*CLB 124 P07		350/034		18 4402	67.8 / 5.4 N3535.6 E13747.7	03 00.14 ...../.....	
Y88	TENRU	074	*CLB 147 P06		350/052		11 4391	67.5 / 5.7 N3540.2 E13800.4	01 00.15 ...../.....	
	RJAA	073	*CLB 147 P08		326/039		2 4389	67.4 / 5.8 N3541.2 E13803.1	00 00.15 ...../.....	
Y88	*TOC	073	FL350 P06		147 348/053	493 477	2 4387	67.4 / 5.8 N3542.1 E13805.3	01 00.16 ...../.....	
Y88	PIGAP	073	FL350 P06		147 343/048	493 480	12 4374	67.2 / 6.0 N3547.4 E13819.0	01 00.17 ...../.....	
Y88	OSPAN	073	FL350 P06		147 341/046	493 483	15 4359	66.9 / 6.3 N3553.8 E13835.8	02 00.19 ...../.....	
Y88	TEPEX	073	FL350 P06		147 339/045	493 486	15 4344	66.7 / 6.5 N3600.3 E13853.0	02 00.21 ...../.....	
Y88	GYODA	073	FL350 P06		110 326/037	493 487	23 4321	66.4 / 6.8 N3609.8 E13918.7	03 00.24 ...../.....	
Y88	AKAGI	062	FL350 P05		108 311/033	493 489	23 4298	66.0 / 7.2 N3623.5 E13941.9	03 00.27 ...../.....	
Y88	NIKKO	062	FL350 P05		108 305/032	492 498	10 4288	65.9 / 7.3 N3629.3 E13951.8	01 00.28 ...../.....	
Y88	HAGAR	065	FL350 P05		108 299/032	492 502	10 4278	65.7 / 7.5 N3634.9 E14002.4	01 00.29 ...../.....	

### TCC317A RJGG-KPDX (24-Sep-2023) #1

Y88	<b>DAIGO</b>	065	FL350	047	491	18	65.5 / 7.7	02	00.31
					P05 289/034	505 4260	N3644.7 E14021.0	...../.....	
Y889	<b>MAMID</b>	074	FL350	047	491	123	63.8 / 9.4	14	00.45
					P05 245/063	554 4136	N3733.3 E14243.0	...../.....	
Y889	<b>OATIS</b>	076	FL350	010	491	42	63.2 / 10.0	05	00.50
					P06 241/075	560 4094	N3749.0 E14332.4	...../.....	
Y889	<b>PUTER</b>	079	FL350	010	492	99	62.0 / 11.2	10	01.00
					P07 239/089	577 3995	N3820.0 E14531.1	...../.....	
	<b>RJCC</b>	050	FL350	010		31	61.6 / 11.6	03	01.03
					P05 274/051	3965	N3842.6 E14558.0	...../.....	
A590	<b>POXED</b>	050	FL350	010	492	198	59.2 / 14.0	21	01.24
					P07 237/084	574 3767	N4105.1 E14856.6	...../.....	
----- ETOPS ENTRY (RJCC) 0209 NM BEFORE PUGAL EET 01:36 -----									
A590	<b>PUGAL</b>	053	*CLB	010		331	55.3 / 17.9	33	01.57
					P06 228/120	3436	N4451.5 E15425.0	...../.....	
	<b>*ETP 1</b>	056	FL370	010	483	157	53.4 / 19.8	16	02.13
	RJCC/PASY				P03 232/123	604 3279	N4631.9 E15718.3	...../.....	
A590	<b>PASRO</b>	057	FL370	010	483	173	51.5 / 21.7	17	02.30
-PAZA					P03 239/132	615 3105	N4816.7 E16040.9	...../.....	
----- ETOPS EXIT (PASY) 0036 NM BEFORE POWAL EET 02:46 -----									
A590	<b>POWAL</b>	062	FL370	010	483	208	49.2 / 24.0	20	02.50
					P03 246/141	623 2897	N5010.5 E16507.4	...../.....	
A590	<b>PLADO</b>	063	FL370	010	484	242	46.7 / 26.5	23	03.13
					P04 252/148	632 2655	N5207.2 E17044.3	...../.....	
G215	<b>SYA</b>	074	FL370	044	<b>109.00</b>	484	45.3 / 27.8	12	03.25
	SHEMYA				P04 256/145	630 2528	N5243.1 E17403.7	...../.....	
G215	<b>CURVS</b>	077	FL370	035	487	317	42.0 / 31.2	30	03.55
					P06 266/135	622 2211	N5338.7 W17715.5	...../.....	
----- ETOPS ENTRY (PASY) 0168 NM BEFORE RADIC EET 04:04 -----									
DCT	<b>RADIC</b>	080	FL370	010	488	258	39.3 / 33.9	25	04.20
					P07 282/138	623 1953	N5400.0 W17000.0	...../.....	
	<b>*ETP 2</b>	098	FL370	095	489	84	38.5 / 34.7	08	04.28
	PASY/PANC				P07 287/135	626 1869	N5337.8 W16742.4	...../.....	
DCT	<b>*BDRY</b>	099	FL370	084	489	179	36.6 / 36.6	18	04.46
-KZAK					P07 299/132	621 1689	N5242.1 W16258.2	...../.....	

----- OCEANIC ENTRY -----

[ ] LR NAV ACCUR CHECK	AT	__ : __ Z	CAPT	_____	STBY	_____	FO	_____
[ ] RVSM ALTIMETER CHECK	AT	__ : __ Z	CAPT	_____	STBY	_____	FO	_____

## TCC317A RJGG-KPDX (24-Sep-2023) #1

[ ] COMPASS HDG CHECK      AT \_\_:\_\_Z      CAPT \_\_\_\_\_      STBY \_\_\_\_\_      FO \_\_\_\_\_  
 [ ] HF CHECK              AT \_\_:\_\_Z      SIGNATURE (.....) \_\_\_\_\_

DCT      **52N60**      101    FL370 010                      491 117              35.4 / 37.8      11 04.57  
           52N160W                      P09 305/114 603 1572    N5200.0 W16000.0    ...../.....

DCT      **51N50**      085    FL370 010                      498 379              31.0 / 42.2      41 05.38  
           51N150W                      P13 320/022 516 1193    N5100.0 W15000.0    ...../.....

DCT      **50N40**      082    \*CLB 010                      387                      26.0 / 47.2      47 06.25  
           50N140W                      P06 196/020              807    N5000.0 W14000.0    ...../.....

DCT      **PRETY**      083    FL390 010                      491 301              22.2 / 51.0      36 07.01  
    P06 200/030 494 506    N4900.0 W13226.6    ...../.....

----- ETOPS EXIT (KSEA) 0303 NM BEFORE TOU    EET 07:02 -----

DCT      **\*BDRY**      079    FL390 010                      490 141              20.4 / 52.7      17 07.18  
 -CZVR                              P04 219/040 507 365    N4845.0 W12853.9    ...../.....

DCT      **\*BDRY**      082    FL390 058                      488 121              19.0 / 54.2      14 07.32  
 -KZSE                              P04 230/058 522 244    N4827.0 W12553.2    ...../.....

DCT      **TOU**            084    FL390 074 **112.20**              489 51              18.4 / 54.8      06 07.38  
           TATOOSH NEAH BAY              P04 232/063 529 193    N4818.0 W12437.6    ...../.....

DCT      **\*TOD**            142    FL390 074                      491 64              17.6 / 55.6      08 07.46  
    P03 234/068 471 129    N4718.9 W12400.7    ...../.....

**KPDX**            142    \*DES 103                      51                      17.5 / 55.7      07 07.53  
    P06 212/047              77    N4631.4 W12332.1    ...../.....

DCT      **KEIKO**          143    \*DES 059                      38                      17.3 / 55.9      06 07.59  
    P02 214/026              39    N4556.7 W12311.8    ...../.....

DCT      **KPDX/28L**    116      31 076                      39                      16.8 / 56.4      11 08.10  
           PORTLAND INTL                      N4534.8 W12235.0    ...../.....

# TCC317A RJGG-KPDX (24-Sep-2023) #1

## WIND INFORMATION - OBS 24/SEP 00:00

<b>(CLIMB)</b>			<b>OSPAN</b>			<b>MAMID</b>			<b>PUTER</b>		
FL340	352/051	-46	FL390	334/046	-55	FL390	248/064	-57	FL390	239/090	-57
FL270	347/017	-30	FL370	338/047	-52	FL370	247/064	-54	FL370	238/091	-53
FL200	348/013	-12	FL350	341/046	-48	FL350	246/064	-49	FL350	239/089	-48
13000	029/005	-1	FL330	341/039	-44	FL330	251/057	-44	FL330	244/078	-43
6000	093/004	+11	FL310	336/025	-40	FL310	266/047	-40	FL310	258/060	-39
<b>POXED</b>			<b>PASRO</b>			<b>POWAL</b>			<b>PLADO</b>		
FL390	238/081	-55	FL410	240/117	-57	FL410	248/124	-56	FL410	253/125	-55
FL370	238/084	-51	FL390	243/134	-57	FL390	250/143	-57	FL390	255/146	-55
FL350	238/085	-47	FL370	240/133	-53	FL370	247/142	-54	FL370	252/149	-52
FL330	238/080	-44	FL350	235/127	-49	FL350	241/137	-49	FL350	248/148	-48
FL310	238/070	-40	FL330	232/124	-44	FL330	237/134	-45	FL330	244/147	-44
<b>SYA</b>			<b>CURVS</b>			<b>RADIC</b>			<b>52N60</b>		
FL410	258/126	-55	FL410	269/112	-53	FL410	283/102	-52	FL410	305/089	-50
FL390	260/146	-55	FL390	269/129	-53	FL390	283/121	-52	FL390	305/101	-49
FL370	256/146	-52	FL370	267/135	-51	FL370	283/139	-50	FL370	306/114	-48
FL350	251/143	-49	FL350	263/140	-48	FL350	282/157	-47	FL350	306/128	-46
FL330	247/141	-44	FL330	263/142	-44	FL330	282/164	-44	FL330	307/133	-44
<b>51N50</b>			<b>PRETY</b>			<b>TOU</b>			<b>(DESCENT)</b>		
FL410	316/027	-45	FL430	214/030	-49	FL430	234/047	-52	FL380	253/060	-51
FL390	320/027	-44	FL410	208/030	-50	FL410	233/055	-52	FL310	257/064	-47
FL370	321/023	-44	FL390	201/030	-51	FL390	232/063	-53	FL230	257/042	-28
FL350	321/018	-44	FL370	199/032	-52	FL370	235/065	-53	15000	247/019	-14
FL330	325/013	-44	FL350	199/033	-54	FL350	239/064	-52	7000	208/009	-0

END FLIGHTPLAN 01698 TCC317A PJTGC RJGG-KPDX 24SEP2023

## TCC317A RJGG-KPDX (24-Sep-2023) #1

### [ATC FLIGHTPLAN]

(FPL-TCC317A-IS

-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2

-RJGG1025

-N0493F350 MEIJY3 KCC Y88 DAIGO Y889 PUTER A590 PUGAL/M084F370

A590 PLAD0 G215 CURVS DCT RADIC DCT 52N160W 51N150W

50N140W/M085F390 DCT PRETY DCT TOU DCT KEIKO DCT

-KPDX0810 KSEA

-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/230924 REG/PJTGC

EET/PAZA0230 KZAK0446 CZVR0718 KZSE0732

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

ORGN/TNCCTCAP PER/C

RALT/RJCC PASY PANC

RMK/TCAS

-E/1021)



**TCC317A RJGG-KPDX (24-Sep-2023) #1****[PLANNING WEATHER]****ORIGIN: RJGG/NGO (CHUBU CENTRAIR INTL, JAPAN)****UTC +09:00**

RJGG 240830Z 17007KT 110V190 9999 FEW020 SCT080 25/17 Q1016 NOSIG  
RJGG 240506Z 2406/2512 19010KT 9999 FEW030  
BECMG 2410/2412 11010KT  
BECMG 2416/2418 02004KT  
BECMG 2421/2500 13012KT

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

KPDX 240853Z 06004KT 10SM SCT049 OVC060 14/11 A3000 RMK A02 SLP159  
T01440111 53002 \$  
KPDX 240520Z 2406/2506 22005KT P6SM VCSH BKN035 BKN050  
FM241200 15004KT P6SM SCT035 BKN050 BKN100  
TEMPO 2416/2420 -RA  
FM242000 13011KT 6SM -RA BKN035 OVC050

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

KSEA 240853Z 17004KT 10SM BKN042 12/11 A2999 RMK A02 SLP162 T01170106  
55001  
KSEA 240536Z 2406/2512 15007KT P6SM -SHRA BKN035 OVC120  
FM240700 VRB04KT P6SM VCSH BKN040  
FM241000 07004KT P6SM SCT007 BKN050 BKN100  
FM241700 03004KT P6SM SCT007 BKN100

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

PANC 240853Z 00000KT 10SM SCT090 SCT150 06/04 A2970 RMK A02 SLP059  
T00610039 401110044 53010 \$  
PANC 240529Z 2406/2512 35004KT P6SM FEW030 BKN080

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

PASY 240755Z AUTO 20012KT M M M 11/10 A2987  
PASY 240600Z 2406/2512 21015KT 9000 -RA OVC005 510023 QNH2980INS  
BECMG 2413/2414 24020KT 9999 NSW SCT015 OVC025 510013 QNH2981INS  
BECMG 2418/2419 27020KT 9999 BKN020 OVC050 510013 QNH2985INS  
BECMG 2505/2506 28012KT 8000 BR SCT025 BKN050 QNH3000INS TX12/2411Z  
TN10/2500Z LIMITED METWATCH 2406 TIL 2409

**EDTO AIRPORT: RJCC/CTS (NEW CHITOSE, JAPAN)****UTC +09:00**

RJCC 240830Z 25006KT 9999 FEW040 SCT/// 18/12 Q1023  
RJCC 240505Z 2406/2512 35005KT 9999 FEW030  
BECMG 2408/2410 14005KT  
BECMG 2416/2418 34005KT  
BECMG 2421/2500 15014KT

**TCC317A RJGG-KPDX (24-Sep-2023) #1**

ADEQUATE: RJAA/NRT (NARITA INTL, JAPAN)

UTC +09:00

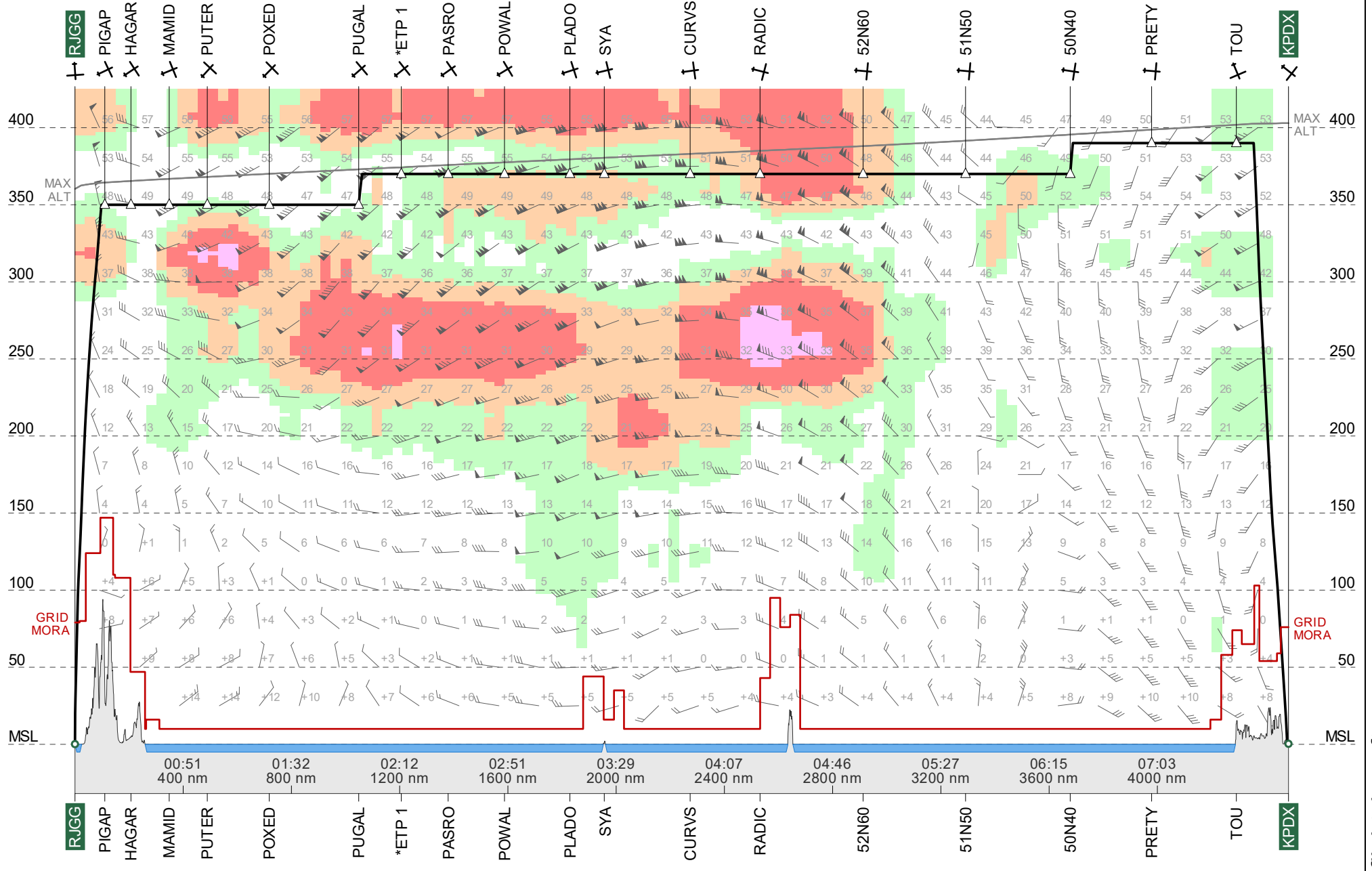
RJAA 240830Z 03010KT 360V070 9999 FEW030 BKN/// 23/17 Q1020 NOSIG

RJAA 240506Z 2406/2512 04012KT 9999 FEW020 SCT040

TR317A #1

RJGG → KPDX

ETD 24 Sep 10:25z  
PJTGC B77L



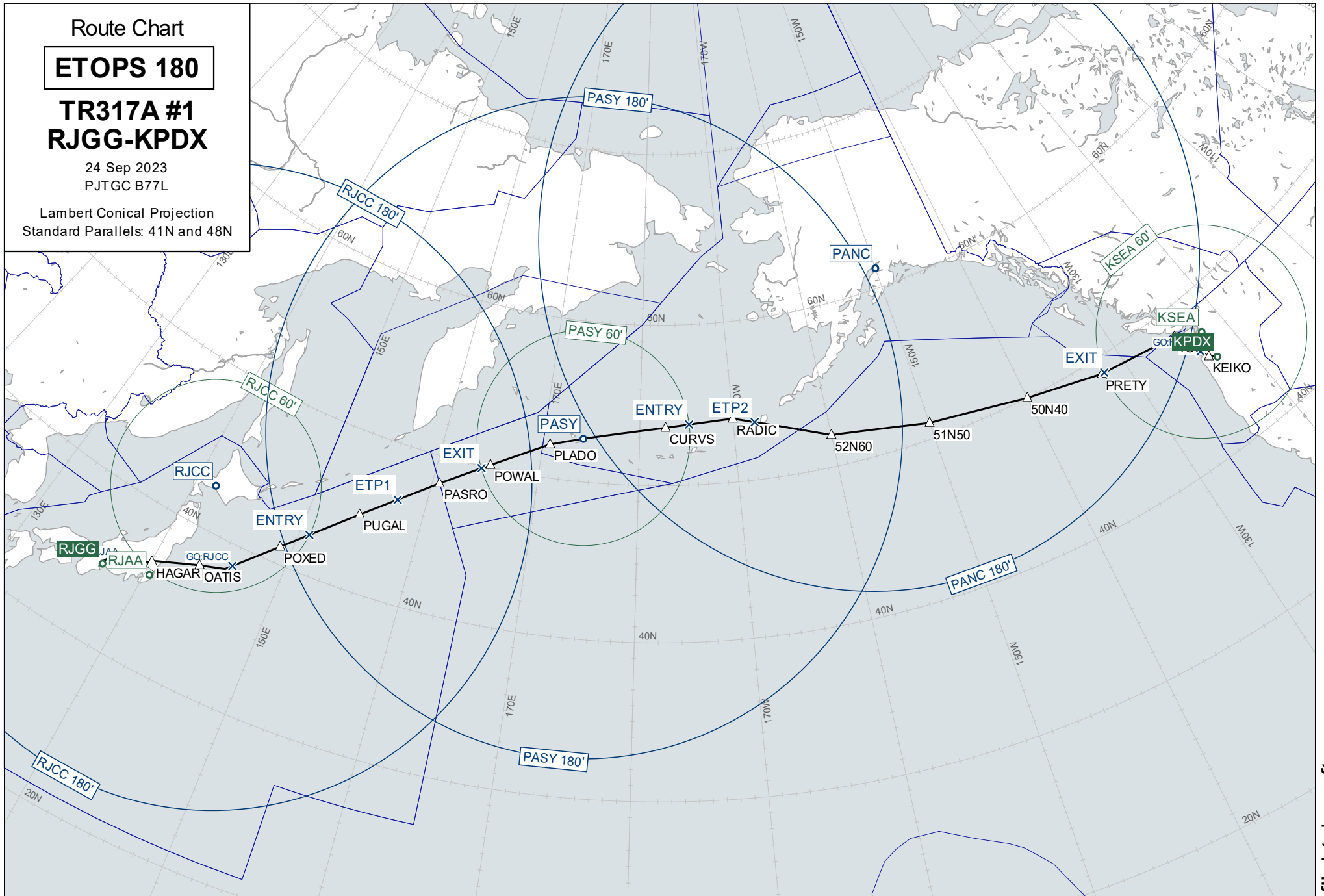
Route Chart

**ETOPS 180**

**TR317A #1**  
**RJGG-KPDX**

24 Sep 2023  
PJTGC B77L

Lambert Conical Projection  
Standard Parallels: 41N and 48N



Wind Chart

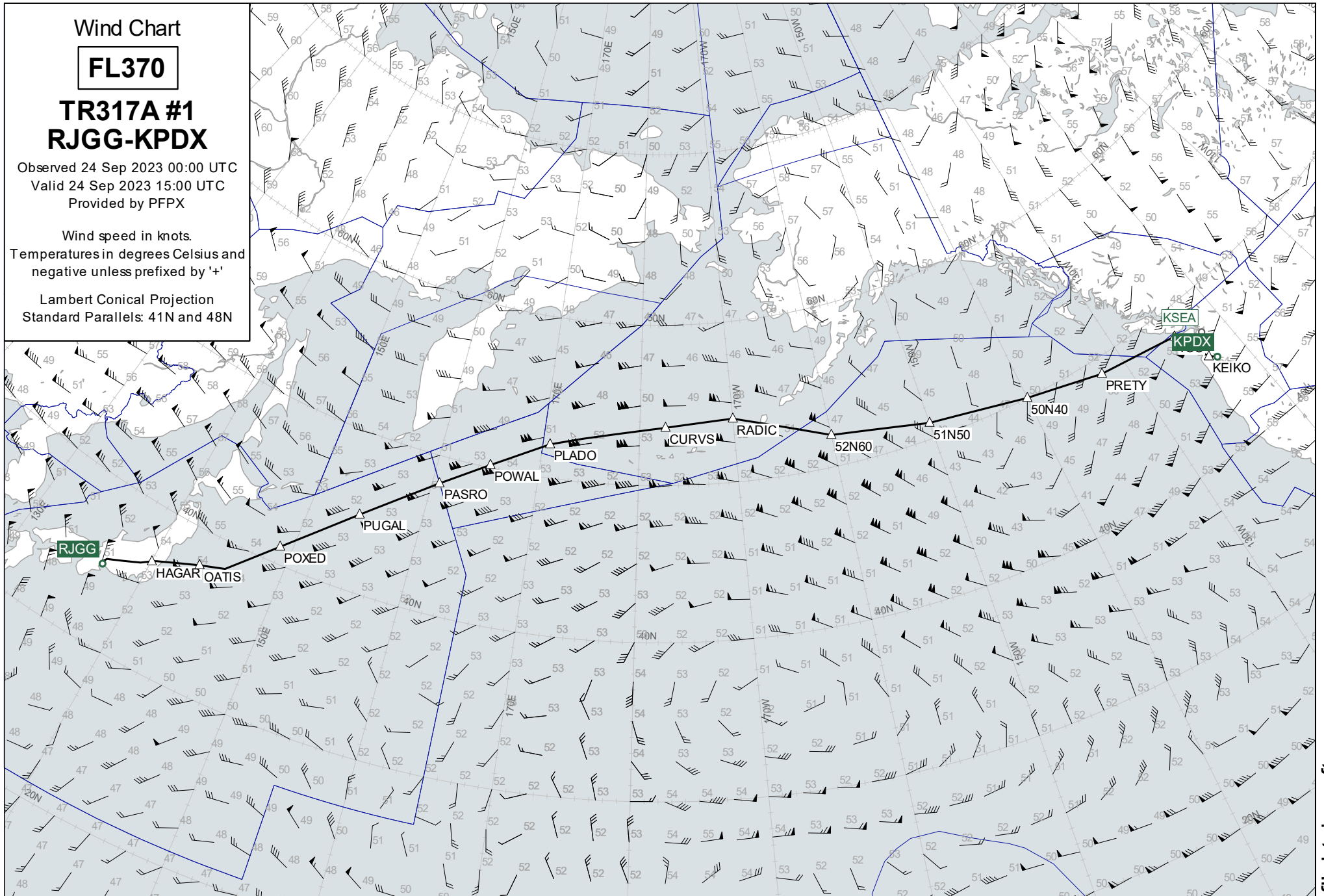
**FL370**

**TR317A #1  
RJGG-KPDX**

Observed 24 Sep 2023 00:00 UTC  
Valid 24 Sep 2023 15:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 41N and 48N



# Wind Chart

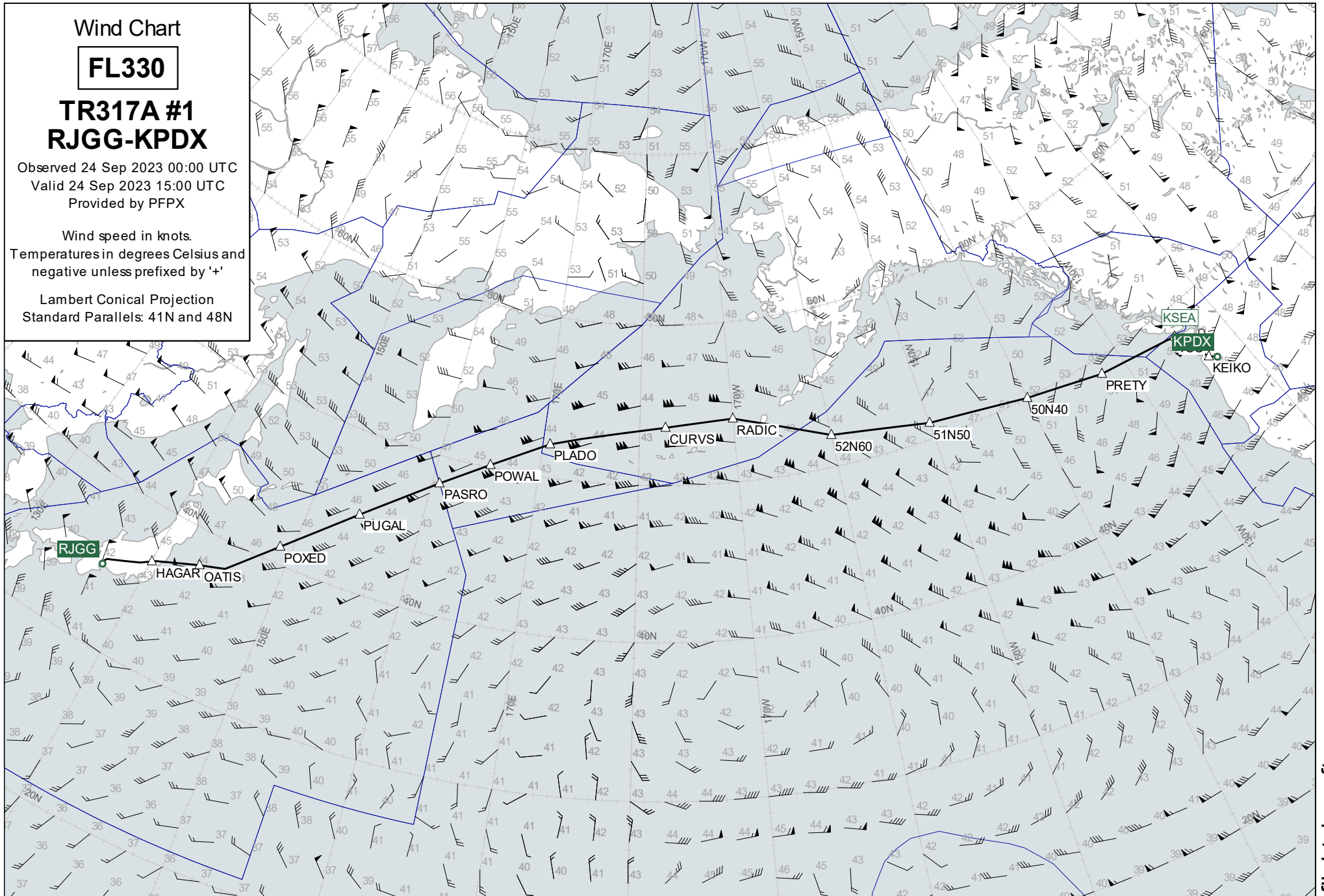
## FL330

### TR317A #1 RJGG-KPDX

Observed 24 Sep 2023 00:00 UTC  
Valid 24 Sep 2023 15:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 41N and 48N



Wind Chart

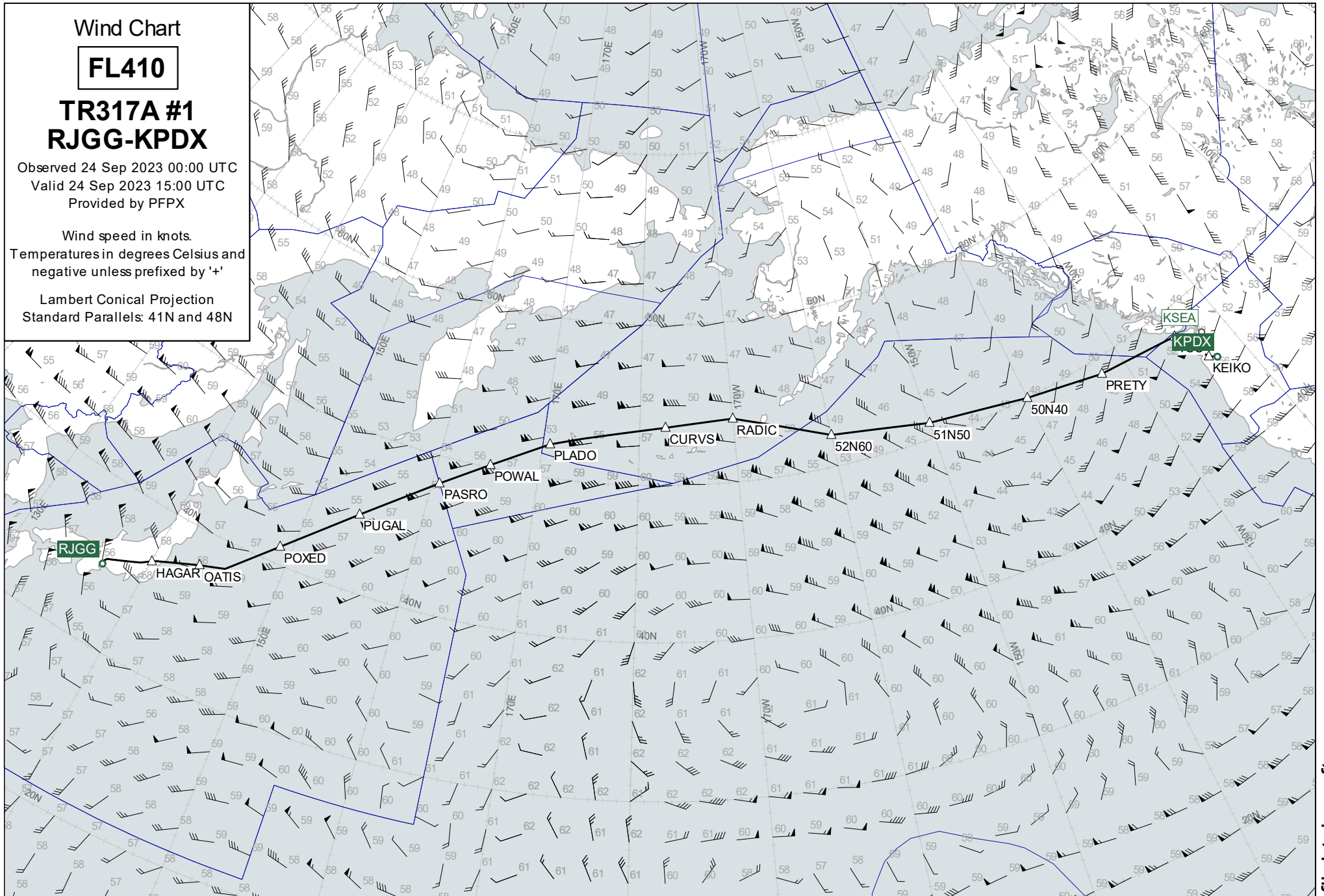
**FL410**

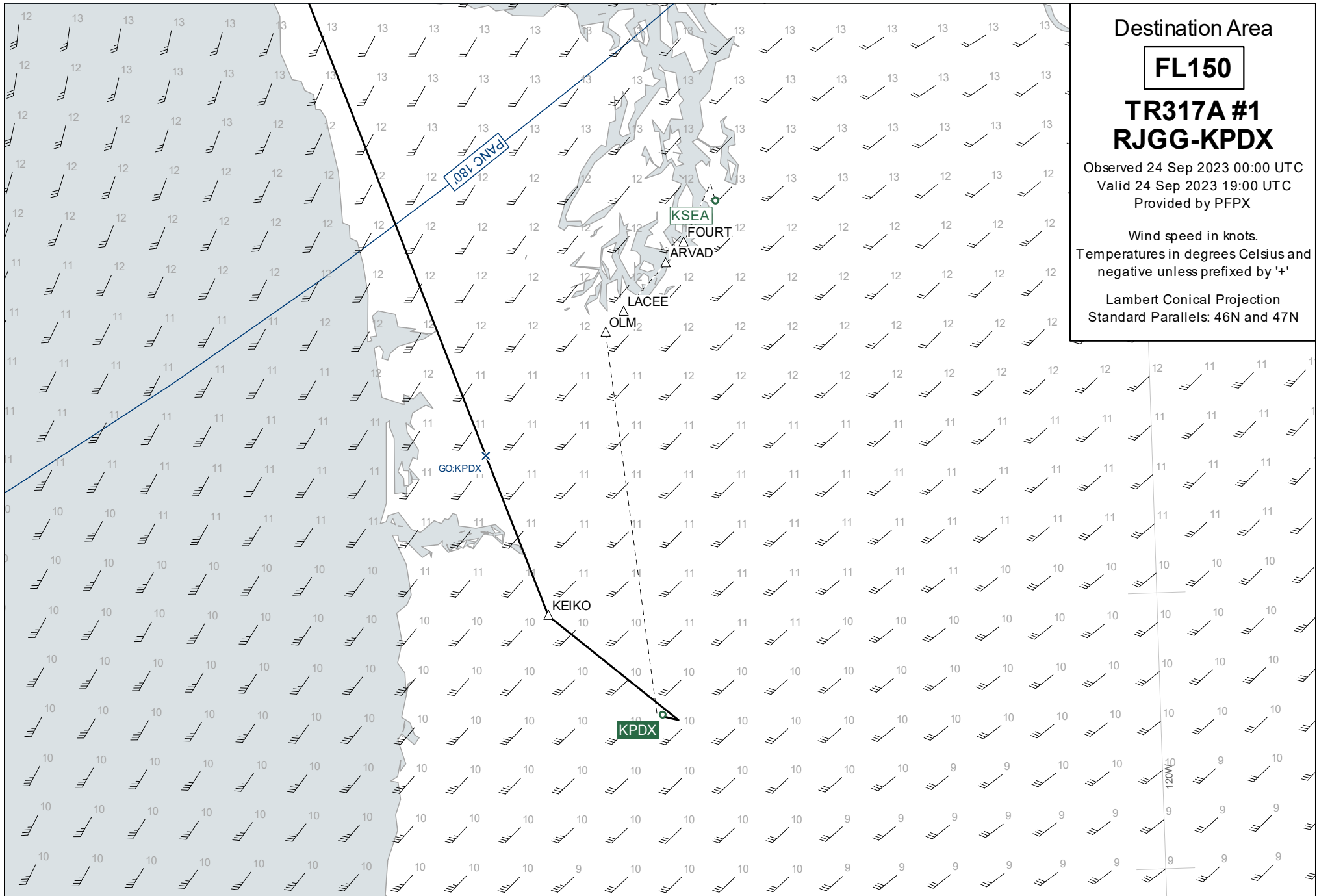
**TR317A #1**  
**RJGG-KPDX**

Observed 24 Sep 2023 00:00 UTC  
Valid 24 Sep 2023 15:00 UTC  
Provided by PFPX

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

Lambert Conical Projection  
Standard Parallels: 41N and 48N







Plotting Chart

# TR317A #1 RJGG-KPDX

24 Sep 2023  
PJTGC B77L

Lambert Conical Projection  
Standard Parallels: 50N and 51N

