



**Tradewind VA**



**Flight Briefing Package**

**TCC315A WSSS-KSFO**

**16-Sep-2018 #2**

RELEASE #2

CHANGI  
(SINGAPORE)

-

SAN FRANCISCO INTL  
(UNITED STATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

16 SEP 1531 UTC

<b>Fuel Planning (kg)</b>	<b>EU-OPS</b>	<b>Fuel</b>	<b>Time</b>
TRIP		107.001	14:55
CONT 5%		5.350	00:53
HOLD	KSFO	2.003	00:20
ALTN	KOAK	1.130	00:08
FINAL RESV		3.004	00:30
ADD FUEL		1.967	00:20
MIN T/O		120.455	17:06
EXTRA		1.502	00:15
TAXI		780	00:15
RELEASE	WSSS	122.737	17:36
ARR FUEL	KSFO	14.748	02:23

<b>Load Planning (kg)</b>	<b>PJTGC</b>	<b>Plan</b>	<b>Limit</b>
Empty Weight		156.146	
Payload	263+0 Pax	24.722	
Zero Fuel Weight		180.868	209.106
Fuel		122.737	162.613
Ramp Weight		303.605	348.359
Take-Off Weight WSSS		302.825	360.000
Landing Weight KSFO	Limit	195.824	223.167
Underload		27.343	Lim LDW

<b>Cost Planning</b>		
Flight Time	14:55\$	82.719
Fuel	107.989\$	83.383
Total	\$	166.102
Per Pax	\$	632
Per 5.000 kg Payload	\$	33.594

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC315A PJTGC WSSS-KSFO

ALL WEIGHTS IN KILOGRAMS (KG) STD 16SEP/1710Z

OPF 2 - PREPARED 16SEP/1531Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR315A/TCC315A PJTGC/B777-2LR GE SEL/SALH ROUTE: WSSSKSF001

DEP: WSSS/SIN 20C ELEV 22 FT COST INDEX: 250 TTL G/C DIST: 7342 NM
ARR: KSFO/SFO 28L ELEV 13 FT INIT ALT: FL320 TTL F/P DIST: 7572 NM
FUEL BIAS: 100.5% TTL AIR DIST: 7259 NM
AVG WIND CMP: TL021 KT

ALT: KOAK/OAK 30 ELEV 9 FT 20 NM

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

\*\* TAKE-OFF DATA WSSS 20C \*\*

COND: 302825 KG // RWY DRY // +29C Q1009 150/07 // LMT: CLIMB
CONFIG: FLAPS 5 // D-TO +49C // A/I OFF/AUTO // A/C ON
SPEEDS: V1=166 VR=171 V2=174
ENG OUT: AT 10 DME 'VTK' 116.50 LT TO 'HOSBA' [34 DME R 079 'SJ' 113.50] (259 INBD,RT)

Table with columns: FUEL, CORR, ENDUR. Rows: TRIP, CONT 5%, ALTN KOAK, FINAL RESV, HOLD, ADD FUEL, MIN T/O, EXTRA, TAXI, RELEASE, ARR FUEL. Includes CAPTAINS SIGNATURE and I ACCEPT THIS OPF AND I AM FAMILIAR WITH THE PLANNED ROUTE AND AERODROMES.

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 28845 KG LIM BY LDW
TRIP CORR FOR 5000 KG TOW INCR: +1504 KG / 5000 KG TOW DECR: -1351 KG
2000 FT LOWER: +1374 KG / EET 14:45 CLB: 250/310/84 DES: 84/320/250

WSSS STD 17:10Z/01:10L ETD 17:10Z ACT OFBL .... EST T/O 17:25Z ACT T/O ....
KSFO STA 08:40Z/01:40L ETA 08:24Z ACT ONBL .... EST LDG 08:20Z ACT LDG ....
SKD 15:30 PLN 15:14 TTL BLCK .... EST FLT 14:55 TTL FLT ....

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (RJAA) 77 NM BEFORE EMRON N37 48.8 E148 26.9 EET 06:59
ETOPS EXIT (KSFO) 49 NM BEFORE 38N30 N38 25.7 W130 54.5 EET 13:56

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

RJAA (01:25-03:49)
PASY (03:18-07:34)
PANC (06:49-08:54)
KSFO (08:08-08:54)

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**ONE ENGINE OUT ETP 1 FOR RJAA/PASY** N39 37.6 E157 28.3 EET 07:47  
 1E084/320 DESC TO FL259 CRUISE AT 1E0320 119 NM BEFORE 40E60  
 PLN FUEL OVER ETP 58552 ETP FUEL REQ 20798 DIV TIME 02:06  
 ETP TO RJAA (N35 46.9 E140 23.1) DIST 844 NM WC HD061 TT 259  
 ETP TO PASY (N52 43.7 E174 07.8) DIST 1044 NM WC TL037 TT 036

**ONE ENGINE OUT DECOMP ETP 1 FOR RJAA/PASY** N39 45.9 E158 20.8 EET 07:52  
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 78 NM BEFORE 40E60  
 PLN FUEL OVER ETP 58030 ETP FUEL REQ 21680 DIV TIME 02:33  
 ETP TO RJAA (N35 46.9 E140 23.1) DIST 884 NM WC HD029 TT 260  
 ETP TO PASY (N52 43.7 E174 07.8) DIST 1014 NM WC TL025 TT 035

**ALL ENGINE DECOMP ETP 1 FOR RJAA/PASY** N39 45.9 E158 20.8 EET 07:52  
 84/320/250 DESC TO FL100 CRUISE AT AE320 78 NM BEFORE 40E60  
 PLN FUEL OVER ETP 58030 ETP FUEL REQ 20683 DIV TIME 02:33  
 ETP TO RJAA (N35 46.9 E140 23.1) DIST 884 NM WC HD029 TT 260  
 ETP TO PASY (N52 43.7 E174 07.8) DIST 1014 NM WC TL025 TT 035

**ONE ENGINE OUT ETP 2 FOR PASY/PANC** N44 48.7 W162 59.2 EET 11:09  
 1E084/320 DESC TO FL289 CRUISE AT 1E0320 128 NM BEFORE 45N60  
 PLN FUEL OVER ETP 36336 ETP FUEL REQ 22134 DIV TIME 02:15  
 ETP TO PASY (N52 43.7 E174 07.8) DIST 1018 NM WC HD022 TT 306  
 ETP TO PANC (N61 10.4 W149 60.8) DIST 1086 NM WC TL010 TT 020

**ONE ENGINE OUT DECOMP ETP 2 FOR PASY/PANC** N44 53.4 W161 44.2 EET 11:15  
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 74 NM BEFORE 45N60  
 PLN FUEL OVER ETP 35723 ETP FUEL REQ 23865 DIV TIME 02:55  
 ETP TO PASY (N52 43.7 E174 07.8) DIST 1059 NM WC HD005 TT 305  
 ETP TO PANC (N61 10.4 W149 60.8) DIST 1063 NM WC HD002 TT 019

**ALL ENGINE DECOMP ETP 2 FOR PASY/PANC** N44 53.4 W161 44.2 EET 11:15  
 84/320/250 DESC TO FL100 CRUISE AT AE320 74 NM BEFORE 45N60  
 PLN FUEL OVER ETP 35723 ETP FUEL REQ 22751 DIV TIME 02:55  
 ETP TO PASY (N52 43.7 E174 07.8) DIST 1059 NM WC HD005 TT 305  
 ETP TO PANC (N61 10.4 W149 60.8) DIST 1063 NM WC HD002 TT 019

**ONE ENGINE OUT ETP 3 FOR PANC/KSFO** N43 32.7 W147 08.2 EET 12:25  
 1E084/320 DESC TO FL300 CRUISE AT 1E0320 328 NM BEFORE 42N40  
 PLN FUEL OVER ETP 28434 ETP FUEL REQ 22690 DIV TIME 02:18  
 ETP TO PANC (N61 10.4 W149 60.8) DIST 1066 NM WC HD017 TT 355  
 ETP TO KSFO (N37 37.1 W122 23.5) DIST 1180 NM WC TL030 TT 099

**ONE ENGINE OUT DECOMP ETP 3 FOR PANC/KSFO** N43 25.7 W146 30.5 EET 12:28  
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 299 NM BEFORE 42N40  
 PLN FUEL OVER ETP 28105 ETP FUEL REQ 24421 DIV TIME 03:00  
 ETP TO PANC (N61 10.4 W149 60.8) DIST 1075 NM WC HD011 TT 354  
 ETP TO KSFO (N37 37.1 W122 23.5) DIST 1151 NM WC TL011 TT 099

**ALL ENGINE DECOMP ETP 3 FOR PANC/KSFO** N43 25.7 W146 30.5 EET 12:28  
 84/320/250 DESC TO FL100 CRUISE AT AE320 299 NM BEFORE 42N40  
 PLN FUEL OVER ETP 28105 ETP FUEL REQ 23258 DIV TIME 03:00  
 ETP TO PANC (N61 10.4 W149 60.8) DIST 1075 NM WC HD011 TT 354  
 ETP TO KSFO (N37 37.1 W122 23.5) DIST 1151 NM WC TL011 TT 099

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**ATC ROUTE:** N0507F320 VMR8B VMR DCT LENDA N884 LULBU/N0503F330 N884 CAB R597  
 VIGOR A590 GURAG/N0497F350 A590 YOSHI Y85 BUNGU Y81 SYOYU Y809 KAGIS  
 A590 PABBA OTR5 ADNAP OTR7 EMRON DCT 40N160E/N0487F370 41N170E  
 42N180E 44N170W 45N160W 44N150W 42N140W/N0489F390 38N130W DCT ALLBE  
 DCT PIRAT DCT OSI DCT

**ALTERNATE PLANNING**

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 ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE  
 KOAK/30 20 5000 061 TL001 00:08 1130 - SFO DCT OAK

MOST CRITICAL MORA 10800 FT AT LBG

AWY -FIR	WAYPOINT NAME	MT	ALT	MSA ISA	FREQ WND/SPD	TAS GS	LEG REM	FUEL REM / USED POSITION	LEG ETO / ATO	ACC ATO
	WSSS/20C CHANGI		22	034				122.0 / 0.8 N0122.0 E10360.9	...../.....	
VMR8B	IBIXU	203	*CLB	034 P12	219/015		6 7566	120.6 / 2.1 N0116.0 E10358.6	03 00.03 ...../.....	
VMR8B	IBIVA	203	*CLB	034 P12	236/013		3 7564	120.4 / 2.3 N0114.0 E10357.6	01 00.04 ...../.....	
VMR8B	DONDI	113	*CLB	034 P12	254/012		3 7561	120.2 / 2.5 N0113.0 E10359.9	00 00.04 ...../.....	
VMR8B	DIVSA	113	*CLB	034 P13	276/013		5 7557	119.9 / 2.9 N0111.0 E10403.0	01 00.05 ...../.....	
VMR8B	DOSPA	022	*CLB	024 P13	279/010		4 7553	119.7 / 3.1 N0115.0 E10405.6	01 00.06 ...../.....	
VMR8B -WMFC	VTK TEKONG SINGAPORE	341	*CLB	024 P14	116.50 296/004		11 7542	119.1 / 3.7 N0125.0 E10401.3	01 00.07 ...../.....	
VMR8B -WSJC	AKOMA	342	*CLB	034 P16	096/006		22 7520	118.2 / 4.6 N0145.0 E10355.7	04 00.11 ...../.....	
VMR8B -WMFC	VMR MERSING JOHOR BAHRU	356	*CLB	047 P15	116.80 091/013		38 7482	116.9 / 5.9 N0223.0 E10352.2	05 00.16 ...../.....	
DCT	*TOC	069	FL320	047 P13	049/011	507 492	29 7453	116.0 / 6.7 N0234.0 E10419.3	03 00.19 ...../.....	
DCT	LEND A	069	FL320	047 P13	033/011	505 494	22 7432	115.7 / 7.1 N0241.0 E10439.4	03 00.22 ...../.....	
N884 -WSJC	LIPRO	069	FL320	047 P13	025/011	505 497	34 7398	115.1 / 7.7 N0254.0 E10511.4	04 00.26 ...../.....	
N884	LEBIN	069	FL320	034 P13	013/014	505 497	59 7339	114.1 / 8.7 N0315.0 E10606.0	07 00.33 ...../.....	
N884	LUSMO	069	FL320	034 P13	023/014	505 496	53 7286	113.2 / 9.6 N0334.0 E10656.5	06 00.39 ...../.....	
N884	LAGOT	051	FL320	034 P13	016/011	506 497	355 6931	107.2 / 15.6 N0717.0 E11133.7	43 01.22 ...../.....	
N884 -RPHI	LAXOR	052	FL320	014 P13	074/006	506 499	247 6683	103.1 / 19.7 N0950.0 E11448.4	30 01.52 ...../.....	
N884	LULBU	052	*CLB	014 P13	089/009		130 6554	101.0 / 21.8 N1110.0 E11632.2	16 02.08 ...../.....	
N884	LEGED	053	FL330	010 P12	056/011	503 492	183 6371	97.9 / 24.8 N1301.0 E11900.1	22 02.30 ...../.....	
N884	LBG LUBANG	053	FL330	108 P13	117.50 039/014	503 489	82 6289	96.6 / 26.2 N1351.0 E12006.4	10 02.40 ...../.....	

N884	<b>CAB</b> CABANATUAN	030	FL330	108	<b>112.70</b>	503	111	94.8 / 28.0	14	02.54
				P13	008/012	491	6177	N1529.0 E12101.4	...../.....	
R597	<b>SARSI</b>	061	FL330	102		504	149	92.4 / 30.4	18	03.12
				P13	008/025	490	6029	N1644.0 E12315.9	...../.....	
R597	<b>VIGOR</b>	062	FL330	010		504	78	91.1 / 31.6	10	03.22
				P12	021/025	484	5951	N1722.0 E12426.6	...../.....	
A590 -RJJJ	<b>GURAG</b>	040	*CLB	010		276		86.6 / 36.1	34	03.56
				P11	045/027		5674	N2100.0 E12725.9	...../.....	
A590	<b>TUNTO</b>	041	FL350	010		496	152	84.0 / 38.7	20	04.16
				P10	040/026	469	5522	N2300.0 E12905.8	...../.....	
A590	<b>AVLAS</b>	039	FL350	010		496	99	82.4 / 40.3	12	04.28
				P10	037/023	472	5423	N2421.0 E13007.2	...../.....	
A590	<b>MDE</b> MINAMIDAITO	039	FL350	016	<b>117.80</b>	496	109	80.7 / 42.1	14	04.42
				P10	033/022	473	5313	N2551.0 E13116.8	...../.....	
A590	<b>BIXAK</b>	044	FL350	016		497	158	78.2 / 44.6	20	05.02
				P10	022/018	479	5156	N2753.0 E13308.2	...../.....	
A590	<b>DOVAG</b>	045	FL350	010		496	55	77.3 / 45.4	07	05.09
				P10	014/016	481	5100	N2835.0 E13349.8	...../.....	
A590	<b>OLDUP</b>	046	FL350	010		496	122	75.5 / 47.3	15	05.24
				P10	340/011	490	4978	N3008.0 E13521.5	...../.....	
A590	<b>BUBDO</b>	046	FL350	010		496	104	73.9 / 48.8	13	05.37
				P10	294/014	498	4874	N3126.0 E13639.2	...../.....	
A590	<b>AKUBI</b>	054	FL350	010		495	137	72.0 / 50.8	16	05.53
				P10	272/027	513	4737	N3257.0 E13839.4	...../.....	
A590	<b>YOSHI</b>	055	FL350	014		495	20	71.7 / 51.1	03	05.56
				P10	270/029	515	4717	N3310.0 E13857.4	...../.....	
Y85	<b>BUNGU</b>	032	FL350	060		495	63	70.8 / 52.0	07	06.03
				P10	267/037	512	4654	N3407.0 E13930.9	...../.....	
Y81	<b>BAFFY</b>	064	FL350	060		495	28	70.4 / 52.3	03	06.06
				P09	265/039	527	4626	N3422.0 E13958.3	...../.....	
Y81	<b>CHEVY</b>	064	FL350	060		495	33	70.0 / 52.8	04	06.10
				P09	264/041	532	4593	N3439.0 E14032.0	...../.....	
Y81	<b>SYOYU</b>	065	FL350	010		495	8	69.8 / 52.9	01	06.11
				P09	264/042	532	4585	N3444.0 E14041.5	...../.....	
Y809	<b>KAGIS</b>	061	FL350	010		495	113	68.3 / 54.4	13	06.24
				P09	262/048	536	4472	N3549.0 E14234.8	...../.....	
A590	<b>PABBA</b>	051	FL350	010		494	99	67.0 / 55.7	11	06.35
				P09	261/054	537	4372	N3700.0 E14360.7	...../.....	
OTR5	<b>ONION</b>	088	FL350	010		494	10	66.9 / 55.9	01	06.36
				P09	261/054	549	4362	N3702.0 E14412.3	...../.....	
OTR5	<b>ADNAP</b>	088	FL350	010		494	71	66.0 / 56.8	08	06.44
				P09	261/052	547	4291	N3712.0 E14540.9	...../.....	

----- ETOPS ENTRY (RJAA) 0077 NM BEFORE EMRON EET 06:59 -----

OTR7 **EMRON** 082 FL350 010 494 213 63.2 / 59.5 23 07.07  
P08 263/049 544 4078 N3806.0 E15000.0 ...../.....

\*ETP 1 079 FL350 010 494 401 58.0 / 64.7 45 07.52  
RJAA/PASY P07 278/046 544 3677 N3945.0 E15820.8 ...../.....

DCT **40E60** 082 \*CLB 010 79 57.0 / 65.7 08 08.00  
40N160E P07 285/049 3598 N4000.0 E16000.0 ...../.....

DCT \*BDRY 082 FL370 010 486 232 54.0 / 68.6 27 08.27  
-KZAK P03 307/068 534 3366 N4037.0 E16460.8 ...../.....

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

[ ] LR NAV ACCUR CHECK AT \_\_\_:\_\_\_Z CAPT \_\_\_\_\_ STBY \_\_\_\_\_ FO \_\_\_\_\_  
[ ] RVSM ALTIMETER CHECK AT \_\_\_:\_\_\_Z CAPT \_\_\_\_\_ STBY \_\_\_\_\_ FO \_\_\_\_\_  
[ ] COMPASS HDG CHECK AT \_\_\_:\_\_\_Z CAPT \_\_\_\_\_ STBY \_\_\_\_\_ FO \_\_\_\_\_  
[ ] HF CHECK AT \_\_\_:\_\_\_Z SIGNATURE (....) \_\_\_\_\_

DCT **41E70** 083 FL370 010 485 229 51.1 / 71.6 25 08.52  
41N170E P01 307/070 534 3137 N4100.0 E17000.0 ...../.....

DCT **42E80** 078 FL370 010 486 454 45.4 / 77.3 52 09.44  
42N180E P02 293/056 535 2683 N4200.0 E18000.0 ...../.....

DCT **44N70** 067 FL370 010 488 455 39.8 / 82.9 52 10.36  
44N170W P03 224/071 545 2228 N4400.0 W17000.0 ...../.....

\*ETP 2 070 FL370 010 488 358 35.7 / 87.0 39 11.15  
PASY/PANC P01 247/068 545 1870 N4453.0 W16144.2 ...../.....

DCT **45N60** 073 FL370 010 485 75 34.9 / 87.9 08 11.23  
45N160W P00 250/063 546 1795 N4500.0 W16000.0 ...../.....

DCT **44N50** 083 FL370 010 485 433 29.9 / 92.9 48 12.11  
44N150W M00 297/056 539 1363 N4400.0 W15000.0 ...../.....

\*ETP 3 088 FL370 010 485 156 28.1 / 94.6 17 12.28  
PANC/KSFO P01 314/075 539 1206 N4325.0 W14630.5 ...../.....

DCT **42N40** 090 \*CLB 010 299 24.7 / 98.0 33 13.01  
42N140W P04 318/037 907 N4200.0 W14000.0 ...../.....

----- ETOPS EXIT (KSFO) 0049 NM BEFORE 38N30 EET 13:56 -----

DCT **38N30** 106 FL390 010 490 519 18.6 / 104.1 0101 14.02  
38N130W P04 242/030 506 388 N3800.0 W13000.0 ...../.....

DCT **ALLBE** 086 FL390 010 491 146 16.9 / 105.8 17 14.19  
-KZOA P05 229/044 514 243 N3730.0 W12700.0 ...../.....

DCT \*TOD 079 \*DES 010 108 15.7 / 107.0 12 14.31  
P05 229/044 134 N3723.0 W12444.8 ...../.....

DCT **PIRAT** 081 \*DES 061 90 15.5 / 107.3 12 14.43  
P10 210/011 44 N3715.0 W12252.8 ...../.....

DCT **OSI** 060 \*DES 061 **113.90** 29 15.3 / 107.5 06 14.49  
WOODSIDE P08 185/004 16 N3724.0 W12217.8 ...../.....

DCT **KSFO/28L** 331 13 061 16 15.0 / 107.8 06 14.55  
SAN FRANCISCO INTL N3737.0 W12222.5 ...../.....

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WIND INFORMATION - OBS 16/SEP 06:00

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(CLIMB)
FL310 070/014 -33 FL360 036/016 -46 FL360 043/022 -46 FL360 054/017 -46
FL250 103/013 -19 FL340 008/011 -40 FL340 028/019 -40 FL340 042/015 -40
FL190 066/004 -7 FL320 026/011 -35 FL320 024/015 -35 FL320 016/011 -35
FL120 279/009 +5 FL300 041/013 -30 FL300 016/010 -30 FL300 339/011 -30
6000 234/015 +15 FL280 059/011 -26 FL280 046/008 -26 FL280 000/005 -26

LAXOR LEGED CAB SARSI
FL360 076/020 -46 FL370 067/029 -49 FL370 040/024 -49 FL370 013/030 -48
FL340 075/011 -40 FL350 064/019 -44 FL350 024/016 -43 FL350 007/027 -42
FL320 074/007 -35 FL330 056/011 -38 FL330 009/013 -38 FL330 009/025 -37
FL300 072/003 -30 FL310 036/007 -33 FL310 008/012 -32 FL310 023/025 -32
FL280 120/003 -26 FL290 025/003 -28 FL290 014/010 -27 FL290 036/023 -28

TUNTO MDE BIXAK OLDUP
FL390 035/030 -53 FL390 033/029 -53 FL390 027/024 -53 FL390 347/018 -53
FL370 037/028 -49 FL370 033/027 -49 FL370 025/021 -49 FL370 345/015 -49
FL350 041/026 -44 FL350 034/023 -44 FL350 023/018 -44 FL350 340/012 -44
FL330 046/024 -40 FL330 037/020 -40 FL330 023/015 -39 FL330 332/009 -39
FL310 052/023 -35 FL310 042/018 -34 FL310 029/014 -34 FL310 318/007 -34

BUBDO AKUBI BAFFY KAGIS
FL390 314/022 -54 FL390 288/032 -54 FL390 275/043 -55 FL390 268/051 -55
FL370 307/018 -49 FL370 282/030 -50 FL370 271/041 -50 FL370 266/050 -50
FL350 295/015 -44 FL350 272/027 -44 FL350 266/039 -45 FL350 263/049 -45
FL330 282/013 -39 FL330 264/026 -39 FL330 262/038 -40 FL330 261/048 -40
FL310 272/013 -34 FL310 259/025 -34 FL310 261/037 -35 FL310 260/047 -35

ONION EMRON 41E70 42E80
FL390 264/057 -55 FL390 265/052 -56 FL410 310/071 -60 FL410 287/047 -55
FL370 263/056 -51 FL370 264/051 -51 FL390 307/075 -59 FL390 290/052 -55
FL350 261/055 -46 FL350 263/049 -46 FL370 308/070 -55 FL370 293/057 -54
FL330 260/054 -40 FL330 262/049 -41 FL350 309/062 -50 FL350 297/061 -53
FL310 259/054 -35 FL310 261/048 -35 FL330 308/053 -45 FL330 299/064 -50

44N70 45N60 44N50 38N30
FL410 229/056 -54 FL410 250/060 -60 FL410 296/055 -60 FL430 245/031 -56
FL390 227/066 -55 FL390 249/064 -60 FL390 295/059 -60 FL410 244/031 -55
FL370 225/072 -53 FL370 250/064 -56 FL370 297/056 -57 FL390 242/030 -53
FL350 223/078 -51 FL350 252/062 -52 FL350 301/053 -53 FL370 248/026 -52
FL330 222/080 -49 FL330 253/060 -47 FL330 303/052 -48 FL350 258/022 -50

ALLBE (DESCENT)
FL430 232/046 -56 FL380 229/060 -50
FL410 231/045 -54 FL310 233/036 -41
FL390 230/044 -52 FL230 237/020 -22
FL370 230/038 -50 15000 233/015 -5
FL350 230/030 -48 7000 273/007 +7
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END FLIGHTPLAN 02535 TCC315A PJTGC WSSS-KSFO 16SEP2018

[ATC FLIGHTPLAN]

(FPL-TCC315A-IS  
-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2  
-WSSS1710  
-N0507F320 VMR8B VMR DCT LENDA N884 LULBU/N0503F330 N884 CAB  
R597 VIGOR A590 GURAG/N0497F350 A590 YOSHI Y85 BUNGU Y81 SYOYU  
Y809 KAGIS A590 PABBA OTR5 ADNAP OTR7 EMRON DCT  
40N160E/N0487F370 41N170E 42N180E 44N170W 45N160W 44N150W  
42N140W/N0489F390 38N130W DCT ALLBE DCT PIRAT DCT OSI DCT  
-KSF01455 KOAK  
-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/180916 REG/PJTGC  
EET/WMFC0008 RPHI0152 RJJJ0356 KZAK0827 KZOA1419  
SEL/SALH CODE/484DC5 RVR/75 OPR/TRADEWIND CHARTER  
ORGN/TNCCTCAP PER/C  
RALT/RJAA PASY PANC  
RMK/TCAS  
-E/1721)

[PLANNING WEATHER]

**ORIGIN: WSSS/SIN (CHANGI, SINGAPORE)**

**UTC +08:00**

WSSS 161430Z 15007KT 130V190 9999 FEW018 BKN300 29/23 Q1009 NOSIG  
WSSS 161100Z 1612/1718 18010KT 9999 FEW018CB SCT020  
TEMPO 1622/1702 3000 TSRA FEW012CB BKN015

**DESTINATION: KSFO/SFO (SAN FRANCISCO INTL, UNITED STATES)**

**UTC -07:00**

KSFO 161356Z 29008KT 10SM FEW008 13/11 A2999 RMK A02 SLP154 T01330106 \$  
KSFO 161452Z 1615/1718 28008KT P6SM FEW008  
FM162100 27015G25KT P6SM FEW012  
FM170400 27012KT P6SM SCT010  
FM171000 27010KT P6SM BKN010

**ALTERNATE: KOAK/OAK (METRO OAKLAND INTL, UNITED STATES)**

**UTC -07:00**

KOAK 161353Z 00000KT 10SM MIFG SCT013 14/09 A3000 RMK A02 SLP157 T01440089  
\$  
KOAK 161120Z 1612/1718 VRB03KT P6SM SCT010  
FM161500 26006KT P6SM SCT010  
FM162100 27015KT P6SM SKC  
FM170400 28010KT P6SM SCT010  
FM170800 28008KT P6SM BKN010  
FM171000 25005KT P6SM OVC010

**EDTO AIRPORT: RJAA/NRT (NARITA INTL, JAPAN)**

**UTC +09:00**

RJAA 161430Z 16002KT 9999 FEW006 20/20 Q1012 NOSIG  
RJAA 161105Z 1612/1718 18004KT 9999 FEW015 SCT025  
TEMPO 1618/1621 3000 BR FEW003 BKN007  
BECMG 1620/1622 36005KT  
TEMPO 1709/1712 4000 SHRA BR

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

**UTC -10:00**

PASY 161313Z AUTO 22014KT 3/4SM BR VV001 10/10 A3013 RMK A02 VIS 3/4V6  
SLP206 RVRNO  
AMD PASY 161329Z 1613/1712 21020KT 0800 FG BKN001 OVC040 QNH3000INS  
TEMPO 1613/1614 0400 FG  
BECMG 1614/1615 20015KT 8000 BR BKN020 QNH3008INS TX12/1706Z TN10/1613Z

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

**UTC -08:00**

PANC 161353Z 01003KT 10SM FEW030 BKN055 12/08 A2990 RMK A02 SLP126  
T01220083  
PANC 161453Z 1615/1718 VRB03KT P6SM -SHRA SCT035 OVC050  
FM161900 16006KT P6SM FEW040 BKN070

**WBSB/BWN (BRUNEI INTL, BRUNEI)**

**UTC +08:00**

WBSB 161430Z 04002KT 7000 FEW015 BKN270 28/27 Q1009 NOSIG  
WBSB 161050Z 1612/1718 20003KT 7000 FEW015 FEW016CB  
TEMPO 1614/1616 5000 SHRA  
BECMG 1702/1704 26010KT SCT016 FEW017CB

**RPLL/MNL (NINYO AQUINO INTL, PHILIPPINES)**

**UTC +08:00**

RPLL 161400Z VRB01KT 9999 FEW020 SCT100 BKN250 26/26 Q1011 NOSIG RMK A2985  
RPLL 161100Z 1612/1718 11006KT 9999 FEW023 BKN100 TX31/1706Z TN26/1622Z  
TEMPO 1612/1618 25005KT 9000 -SHRA SCT023 OVC080  
TEMPO 1618/1624 15004KT SCT023 OVC100

**RORS/SHI (SHIMOJISHIMA, OKINAWA ISLANDS)**

**UTC +09:00**

RORS 161000Z 13013KT 9999 FEW015 29/26 Q1013  
NO TAF AVAILABLE

**ROAH/OKA (NAHA, OKINAWA ISLANDS)**

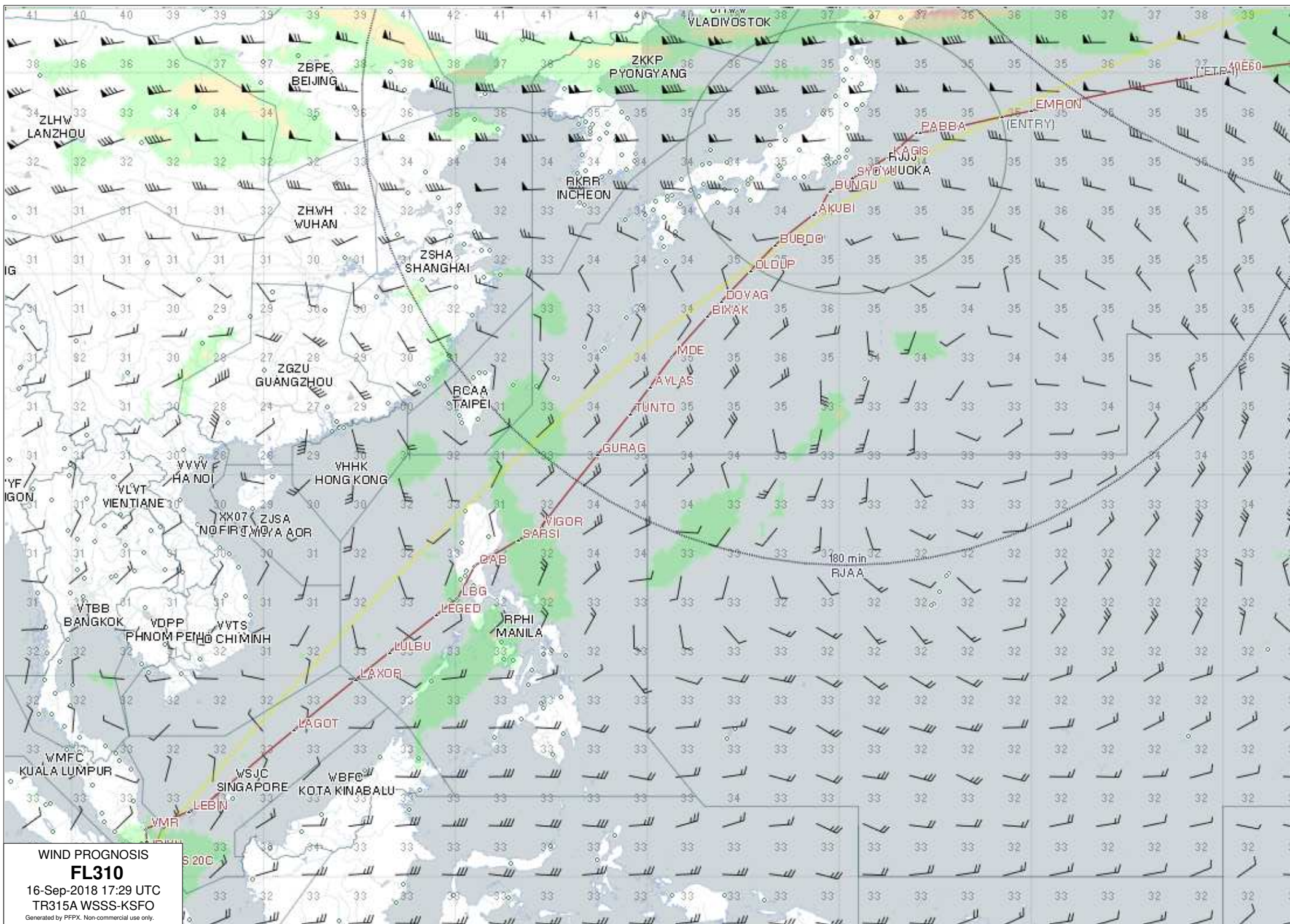
**UTC +09:00**

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ROAH 161106Z 1612/1718 12005KT 9999 FEW015  
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**RJGG/NGO (CHUBU CENTRAIR INTL, JAPAN)**

**UTC +09:00**

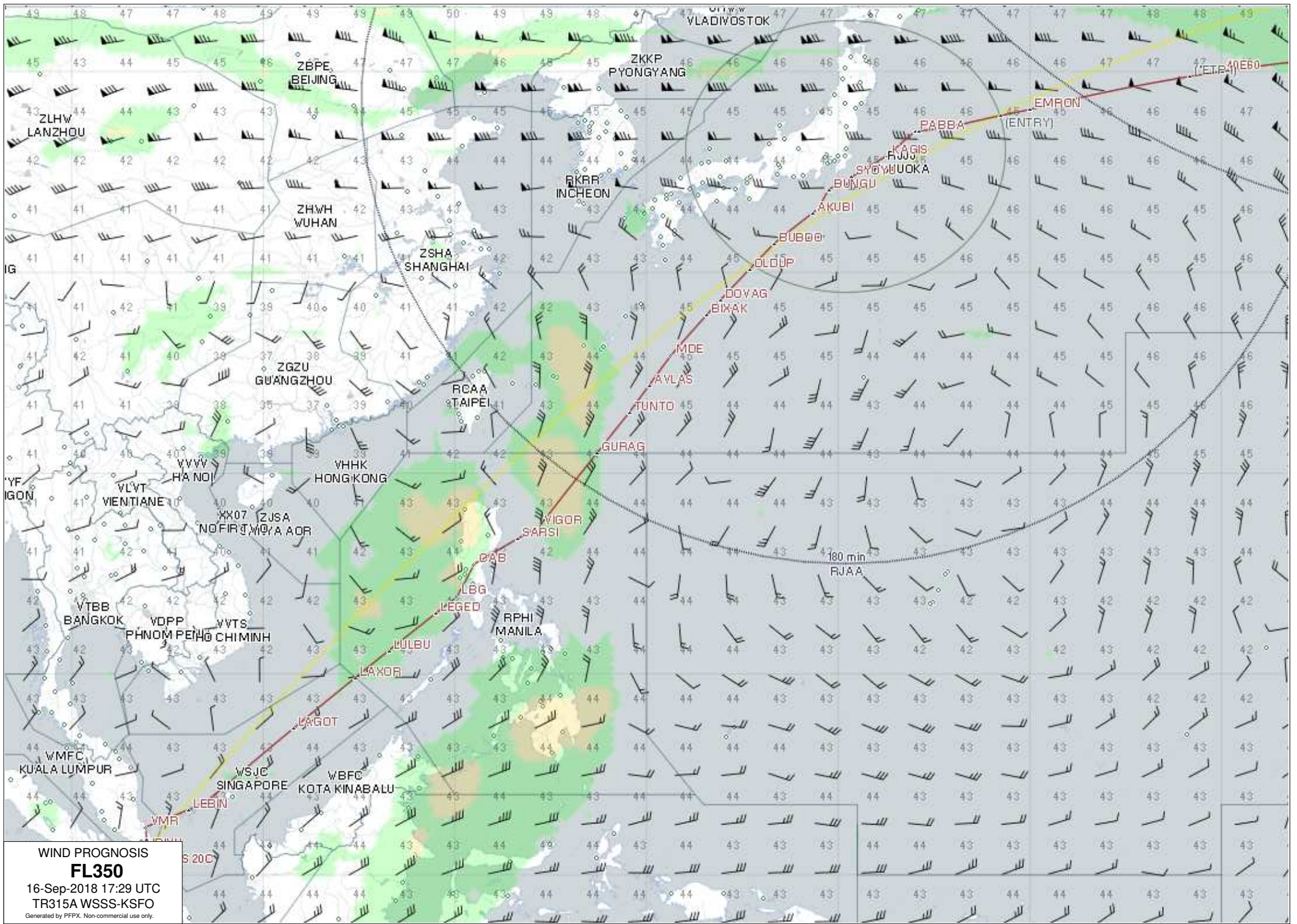
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BECMG 1703/1706 32020KT

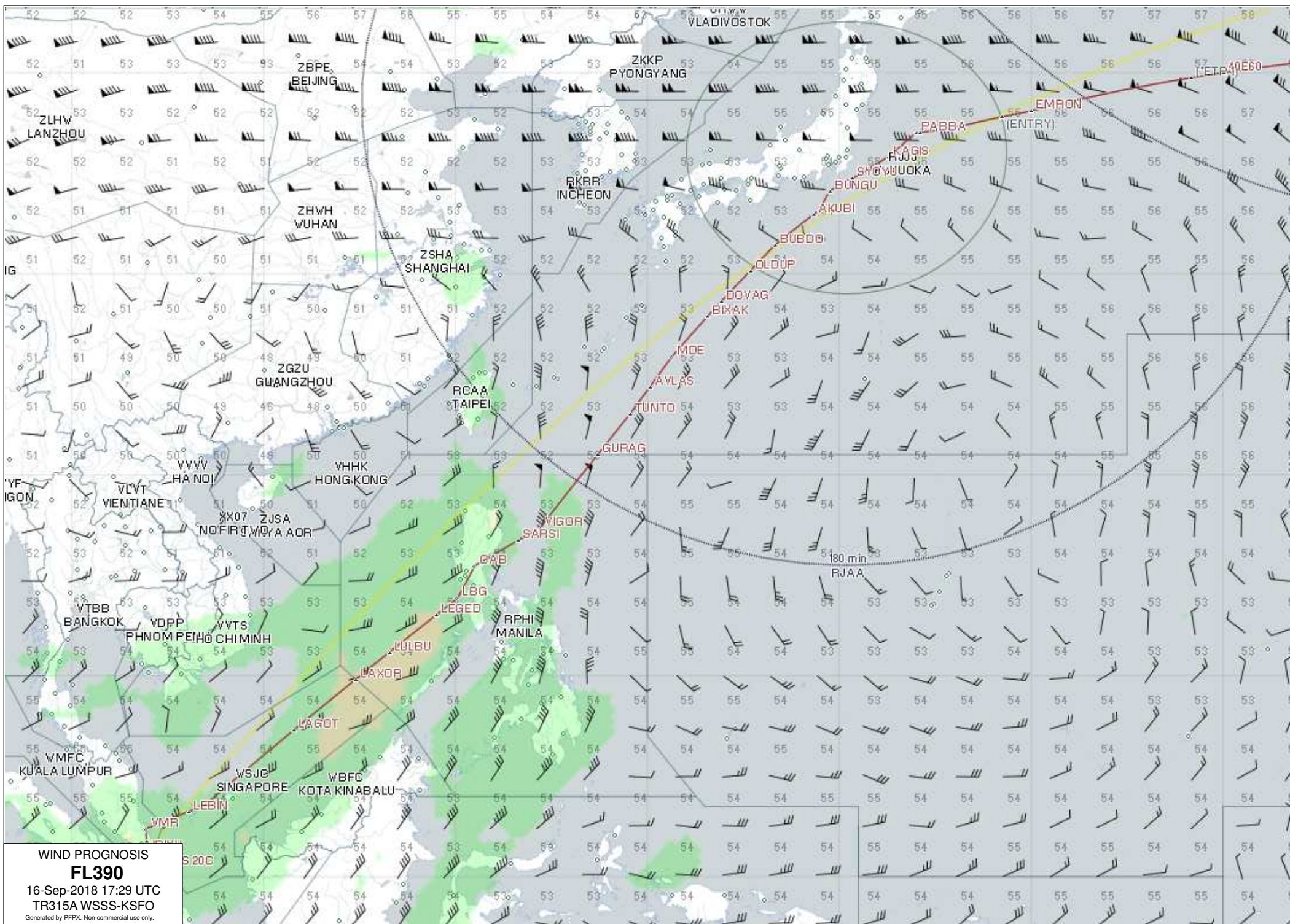


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**FL310**

16-Sep-2018 17:29 UTC  
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RKRR  
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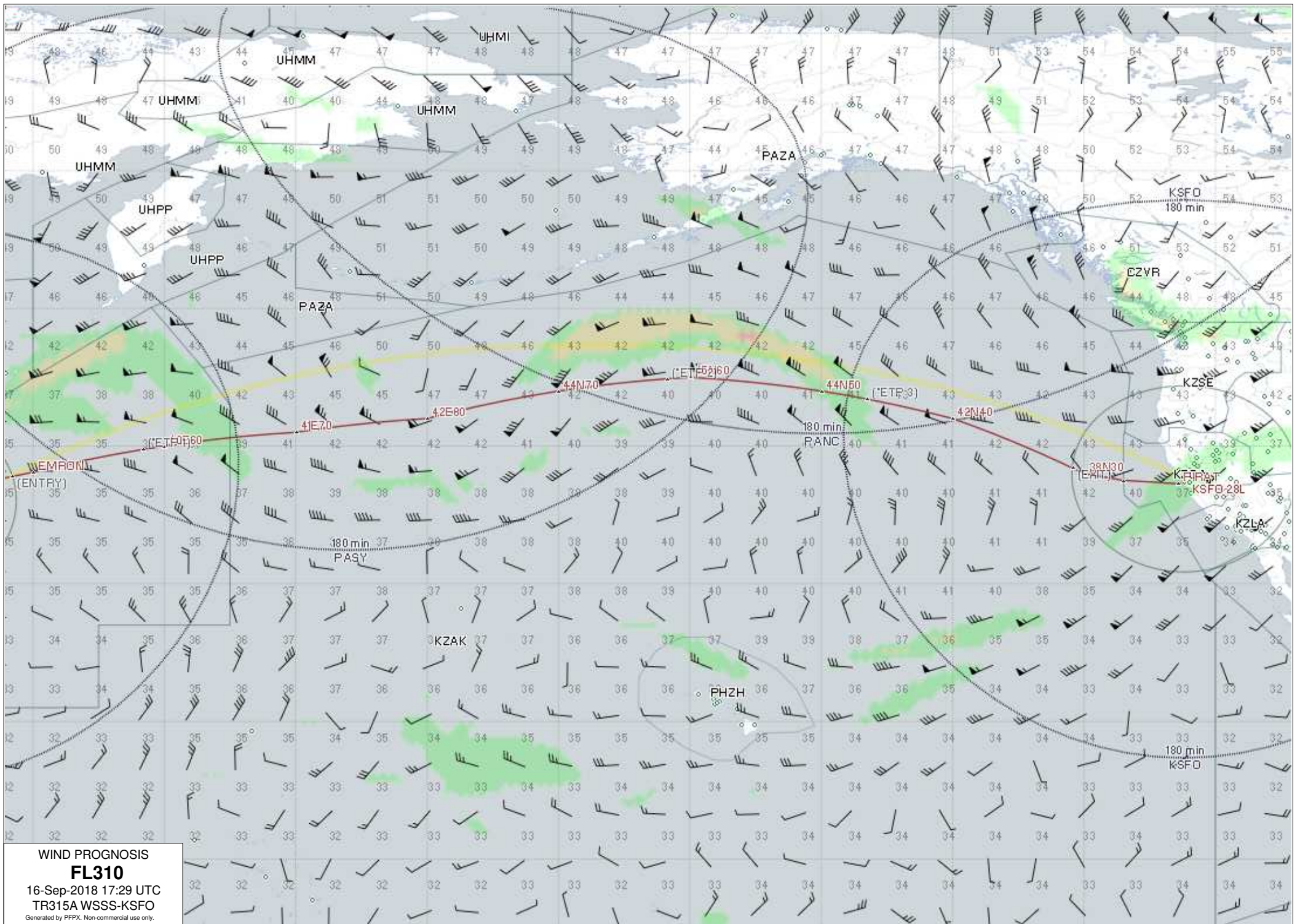
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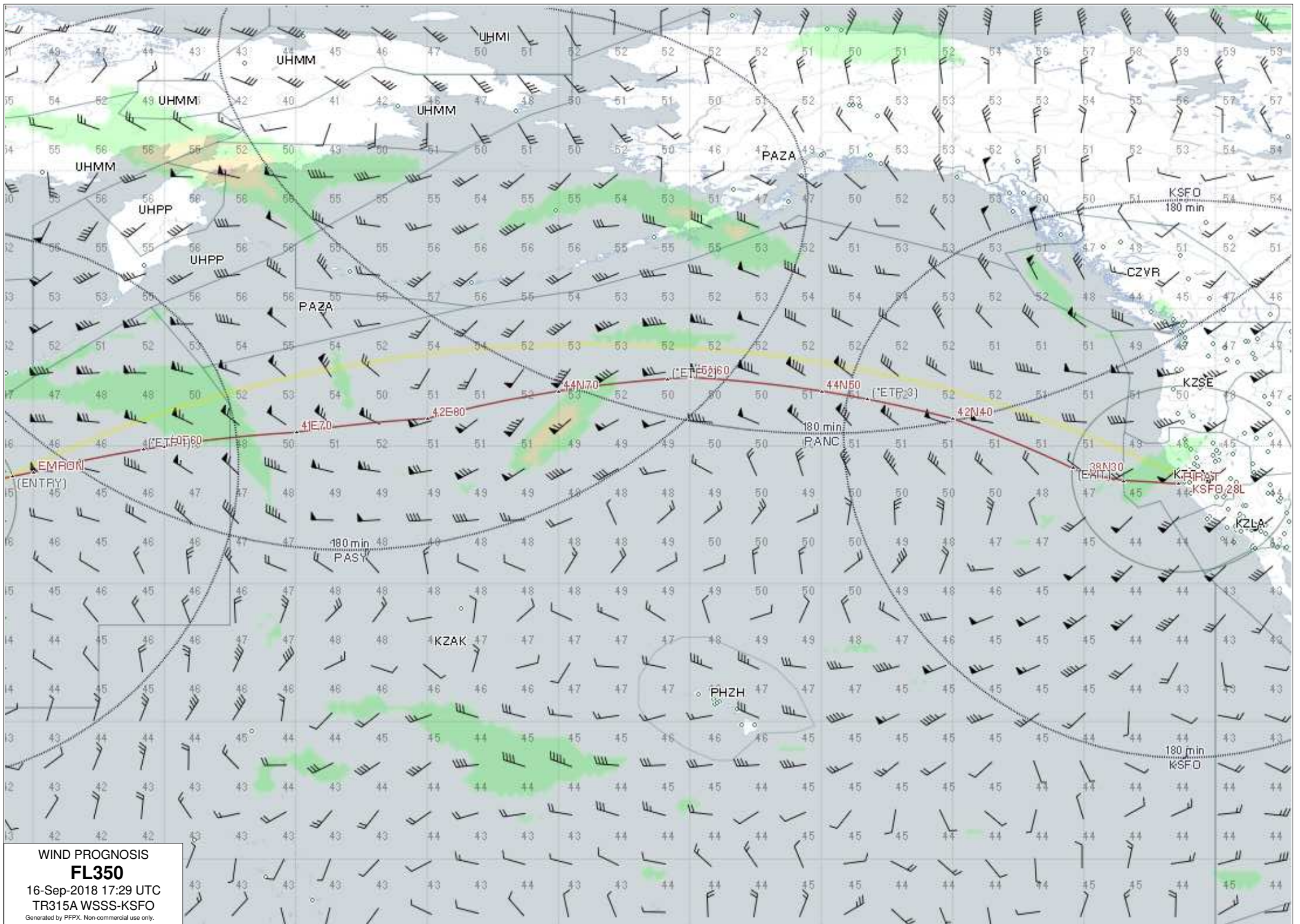
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16-Sep-2018 17:29 UTC

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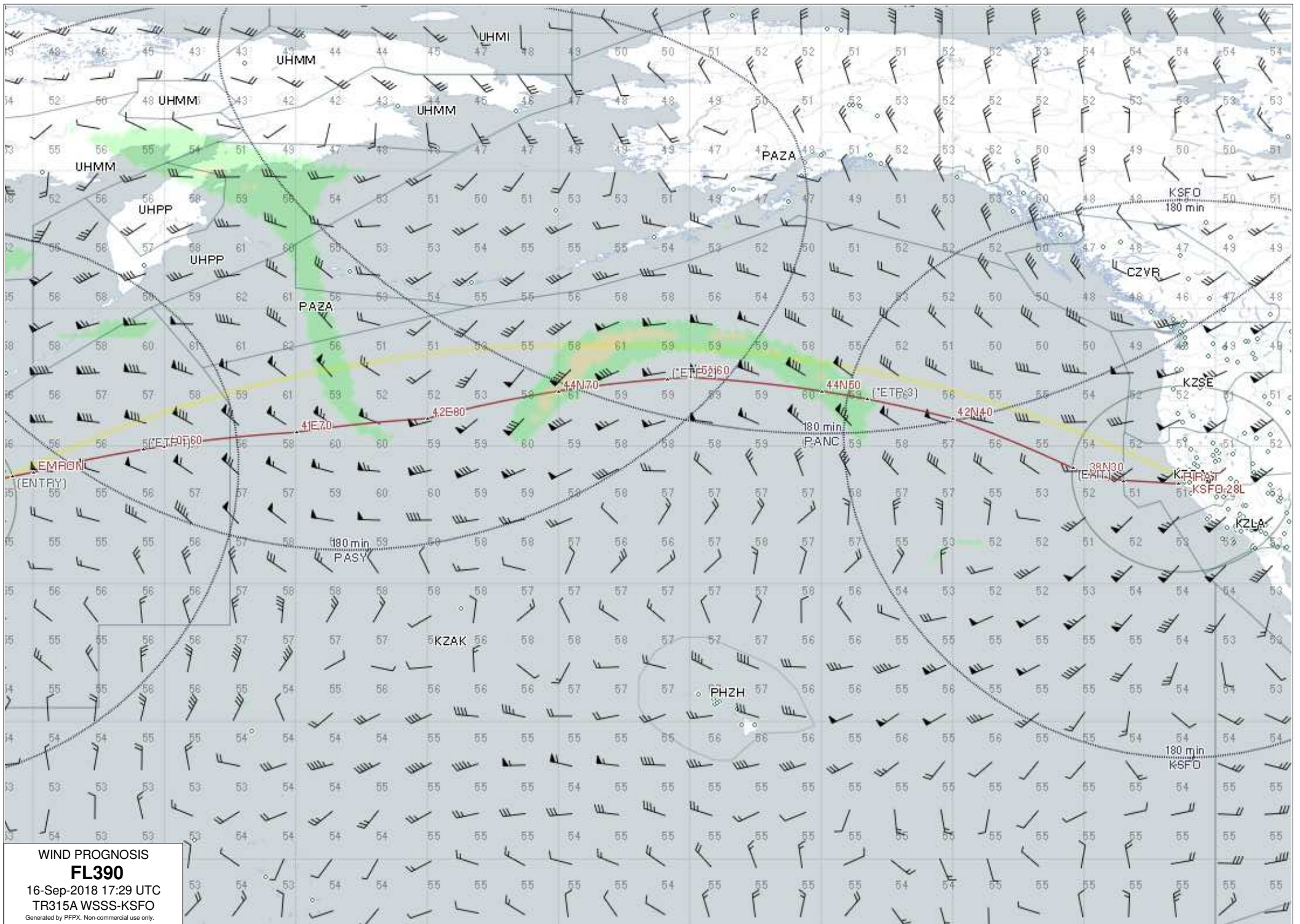
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**FL350**

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**FL390**

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