



**Tradewind VA**



## **Flight Briefing Package**

**TCC215A KLAX-WMKK**

**23 Sep 2017 #1**

RELEASE #1

LOS ANGELES INTL  
(UNITED STATES)

-

KUALA LUMPUR INTL - SEPANG  
(MALAYSIA)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

23 SEP 1502 UTC

| <b>Fuel Planning (kg)</b> | <b>EU-OPS</b> | <b>Fuel</b> | <b>Time</b> |
|---------------------------|---------------|-------------|-------------|
| TRIP                      |               | 119.819     | 16:11       |
| CONT 5%                   |               | 5.991       | 00:59       |
| HOLD                      | WMKK          | 2.028       | 00:20       |
| ALTN                      | WMSA          | 2.801       | 00:23       |
| FINAL RESV                |               | 3.042       | 00:30       |
| ADD FUEL                  |               | 1.984       | 00:20       |
| MIN T/O                   |               | 135.665     | 18:43       |
| EXTRA                     |               | 1.521       | 00:15       |
| TAXI                      |               | 1.144       | 00:22       |
| RELEASE                   | KLAX          | 138.330     | 19:20       |
| ARR FUEL                  | WMKK          | 16.587      | 02:32       |

| <b>Load Planning (kg)</b> | <b>PJTGC</b> | <b>Plan</b> | <b>Limit</b> |
|---------------------------|--------------|-------------|--------------|
| Empty Weight              |              | 156.146     |              |
| Payload                   | 265+0 Pax    | 24.910      |              |
| Zero Fuel Weight          |              | 181.056     | 209.106      |
| Fuel                      |              | 138.330     | 162.613      |
| Ramp Weight               |              | 319.386     | 348.359      |
| Take-Off Weight KLAX      |              | 318.242     | 347.452      |
| Landing Weight WMKK       | Limit        | 198.423     | 223.167      |
| Underload                 |              | 24.744      | Lim LDW      |
| Max Extra Fuel            |              | 24.283      | Lim CAP      |

| <b>Cost Planning</b> |           |           |
|----------------------|-----------|-----------|
| Flight Time          | 16:11\$   | 90.003    |
| Fuel                 | 121.743\$ | 57.202    |
| Total                | \$        | 147.205   |
| Per Pax              |           | \$ 555    |
| Per 5.000 kg Payload |           | \$ 29.547 |

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC215A PJTGC KLAX-WMCK

ALL WEIGHTS IN KILOGRAMS (KG) STD 23SEP/1610Z

OPF 1 - PREPARED 23SEP/1502Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR215A/TCC215A PJTGC/B777-2LR GE SEL/SALH ROUTE: KLAXWMKK01

DEP: KLAX/LAX 25R ELEV 128 FT COST INDEX: 250 TTL G/C DIST: 7658 NM  
 ARR: WMKK/KUL 32L ELEV 70 FT INIT ALT: FL320 TTL F/P DIST: 8055 NM  
 FUEL BIAS: 100.5% TTL AIR DIST: 7903 NM  
 AVG WIND CMP: TL009 KT

ALT: WMSA/SZB 33 ELEV 90 FT 103 NM

| CONFIG   | DOW    | PAX | CARGO | TOTAL | ULOAD LIM | ZFW        | TOW    | LDW    |
|----------|--------|-----|-------|-------|-----------|------------|--------|--------|
| STANDARD | 156146 | 265 | 0     | 24910 | 24744 LDW | MAX 209106 | 347452 | 223167 |
|          |        |     |       |       |           | PLN 181056 | 318242 | 198423 |
|          |        |     |       |       |           | ACT .....  | .....  | .....  |

|            | FUEL   | CORR  | ENDUR |                                       |
|------------|--------|-------|-------|---------------------------------------|
| TRIP       | 119819 | ..... | 16:11 |                                       |
| CONT 5%    | 5991   | ..... | 00:59 |                                       |
| ALTN WMSA  | 2801   | ..... | 00:23 |                                       |
| FINAL RESV | 3042   | ..... | 00:30 |                                       |
| HOLD       | 2028   | ..... | 00:20 |                                       |
| ADD FUEL   | 1984   | ..... | 00:20 |                                       |
| MIN T/O    | 135665 | ..... | 18:43 | .....                                 |
| EXTRA      | 1521   | ..... | 00:15 | CAPTAINS SIGNATURE (....)             |
| TAXI       | 1144   | ..... | 00:22 |                                       |
| RELEASE    | 138330 | ..... | 19:20 | I ACCEPT THIS OPF AND I AM FAMILIAR   |
| ARR FUEL   | 16587  | ..... | 02:32 | WITH THE PLANNED ROUTE AND AERODROMES |

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 25804 KG LIM BY CAPACITY  
 TRIP CORR FOR 5000 KG TOW INCR: +1565 KG / 5000 KG TOW DECR: -1525 KG  
 2000 FT LOWER: +1531 KG / EET 15:58 CLB: 250/310/84 DES: 84/320/250

|      |                   |            |               |                |              |
|------|-------------------|------------|---------------|----------------|--------------|
| KLAX | STD 16:10Z/09:10L | ETD 16:10Z | ACT OFBL .... | EST T/O 16:32Z | ACT T/O .... |
| WMKK | STA 09:20Z/17:20L | ETA 08:58Z | ACT ONBL .... | EST LDG 08:43Z | ACT LDG .... |
|      | SKD 17:10         | PLN 16:48  | TTL BLCK .... | EST FLT 16:11  | TTL FLT .... |

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

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

|                    |                     |                    |           |
|--------------------|---------------------|--------------------|-----------|
| ETOPS ENTRY (KLAX) | 388 NM BEFORE BARAZ | N34 17.3 W126 33.4 | EET 00:58 |
| ETOPS EXIT (PHNL)  | 14 NM BEFORE 29N70  | N29 03.5 W169 45.0 | EET 05:22 |
| ETOPS ENTRY (PWAK) | 283 NM BEFORE 26E70 | N26 36.6 E175 12.8 | EET 07:01 |
| ETOPS EXIT (PWAK)  | 450 NM BEFORE 25E60 | N25 52.4 E168 13.7 | EET 07:46 |
| ETOPS ENTRY (PWAK) | 199 NM BEFORE 25E60 | N25 26.6 E163 38.1 | EET 08:15 |
| ETOPS EXIT (RJAW)  | 490 NM BEFORE 22E40 | N23 46.1 E148 38.8 | EET 09:52 |
| ETOPS ENTRY (RJAW) | 298 NM BEFORE 20E30 | N21 06.6 E135 09.4 | EET 11:25 |
| ETOPS EXIT (RJAW)  | 68 NM BEFORE 20E30  | N20 15.9 E131 09.7 | EET 11:51 |
| ETOPS ENTRY (RPLL) | 39 NM BEFORE PANDI  | N11 53.7 E114 36.8 | EET 13:59 |
| ETOPS EXIT (RPLL)  | 83 NM BEFORE ALDAS  | N11 26.9 E113 30.5 | EET 14:07 |

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

KLAX (16:32-22:01)  
 PHNL (21:35-01:25)  
 PWAK (00:59-03:41)  
 RJAW (03:17-06:07)  
 RPLL (05:46-07:54)

|  |                     |           |
|--|---------------------|-----------|
| <b>ONE ENGINE OUT ETP 1 FOR KLAX/PHNL</b>        | N33 55.4 W141 10.9  | EET 02:27 |
| 1E084/320 DESC TO FL209 CRUISE AT 1E0320         | 445 NM BEFORE 33N50 |           |
| PLN FUEL OVER ETP 112841 ETP FUEL REQ 26996      | DIV TIME 02:36      |           |
| ETP TO KLAX (N33 56.5 W118 24.4) DIST 1133 NM    | WC 0 TT 084         |           |
| ETP TO PHNL (N21 19.0 W157 55.2) DIST 1167 NM    | WC TL014 TT 234     |           |
| *** FUEL DUMP REQUIRED ***                       |                     |           |
| <b>ONE ENGINE OUT DECOMP ETP 1 FOR KLAX/PHNL</b> | N33 55.9 W141 03.7  | EET 02:26 |
| 84/320/250 DESC TO FL100 CRUISE AT 1E0320        | 451 NM BEFORE 33N50 |           |
| PLN FUEL OVER ETP 112936 ETP FUEL REQ 28167      | DIV TIME 03:03      |           |
| ETP TO KLAX (N33 56.5 W118 24.4) DIST 1127 NM    | WC HD007 TT 084     |           |
| ETP TO PHNL (N21 19.0 W157 55.2) DIST 1172 NM    | WC TL008 TT 234     |           |
| *** FUEL DUMP REQUIRED ***                       |                     |           |
| <b>ALL ENGINE DECOMP ETP 1 FOR KLAX/PHNL</b>     | N33 55.9 W141 03.7  | EET 02:26 |
| 84/320/250 DESC TO FL100 CRUISE AT AE320         | 451 NM BEFORE 33N50 |           |
| PLN FUEL OVER ETP 112936 ETP FUEL REQ 26775      | DIV TIME 03:03      |           |
| ETP TO KLAX (N33 56.5 W118 24.4) DIST 1127 NM    | WC HD007 TT 084     |           |
| ETP TO PHNL (N21 19.0 W157 55.2) DIST 1172 NM    | WC TL008 TT 234     |           |
| *** FUEL DUMP REQUIRED ***                       |                     |           |
| <b>ONE ENGINE OUT ETP 2 FOR PHNL/PWAK</b>        | N27 49.8 W176 18.9  | EET 06:05 |
| 1E084/320 DESC TO FL210 CRUISE AT 1E0320         | 203 NM BEFORE 27E80 |           |
| PLN FUEL OVER ETP 83728 ETP FUEL REQ 23621       | DIV TIME 02:25      |           |
| ETP TO PHNL (N21 19.0 W157 55.2) DIST 1078 NM    | WC TL007 TT 107     |           |
| ETP TO PWAK (N19 16.9 E166 38.1) DIST 1069 NM    | WC TL003 TT 245     |           |
| *** FUEL DUMP REQUIRED ***                       |                     |           |
| <b>ONE ENGINE OUT DECOMP ETP 2 FOR PHNL/PWAK</b> | N27 51.8 W176 09.0  | EET 06:04 |
| 84/320/250 DESC TO FL100 CRUISE AT 1E0320        | 212 NM BEFORE 27E80 |           |
| PLN FUEL OVER ETP 83869 ETP FUEL REQ 24803       | DIV TIME 02:49      |           |
| ETP TO PHNL (N21 19.0 W157 55.2) DIST 1070 NM    | WC TL001 TT 108     |           |
| ETP TO PWAK (N19 16.9 E166 38.1) DIST 1078 NM    | WC TL003 TT 245     |           |
| *** FUEL DUMP REQUIRED ***                       |                     |           |
| <b>ALL ENGINE DECOMP ETP 2 FOR PHNL/PWAK</b>     | N27 51.8 W176 09.0  | EET 06:04 |
| 84/320/250 DESC TO FL100 CRUISE AT AE320         | 212 NM BEFORE 27E80 |           |
| PLN FUEL OVER ETP 83869 ETP FUEL REQ 23642       | DIV TIME 02:49      |           |
| ETP TO PHNL (N21 19.0 W157 55.2) DIST 1070 NM    | WC TL001 TT 108     |           |
| ETP TO PWAK (N19 16.9 E166 38.1) DIST 1078 NM    | WC TL003 TT 245     |           |
| *** FUEL DUMP REQUIRED ***                       |                     |           |
| <b>ONE ENGINE OUT ETP 3 FOR PWAK/RJAW</b>        | N24 35.2 E155 01.6  | EET 09:10 |
| 1E084/320 DESC TO FL255 CRUISE AT 1E0320         | 278 NM BEFORE 24E50 |           |
| PLN FUEL OVER ETP 61292 ETP FUEL REQ 16657       | DIV TIME 01:37      |           |
| ETP TO PWAK (N19 16.9 E166 38.1) DIST 721 NM     | WC HD016 TT 114     |           |
| ETP TO RJAW (N24 47.0 E141 19.3) DIST 748 NM     | WC HD001 TT 274     |           |
| *** FUEL DUMP REQUIRED ***                       |                     |           |
| <b>ONE ENGINE OUT DECOMP ETP 3 FOR PWAK/RJAW</b> | N24 34.1 E154 50.7  | EET 09:11 |
| 84/320/250 DESC TO FL100 CRUISE AT 1E0320        | 268 NM BEFORE 24E50 |           |
| PLN FUEL OVER ETP 61157 ETP FUEL REQ 17046       | DIV TIME 01:58      |           |
| ETP TO PWAK (N19 16.9 E166 38.1) DIST 730 NM     | WC HD008 TT 113     |           |
| ETP TO RJAW (N24 47.0 E141 19.3) DIST 738 NM     | WC HD004 TT 274     |           |
| *** FUEL DUMP REQUIRED ***                       |                     |           |
| <b>ALL ENGINE DECOMP ETP 3 FOR PWAK/RJAW</b>     | N24 34.1 E154 50.7  | EET 09:11 |
| 84/320/250 DESC TO FL100 CRUISE AT AE320         | 268 NM BEFORE 24E50 |           |
| PLN FUEL OVER ETP 61157 ETP FUEL REQ 16259       | DIV TIME 01:58      |           |
| ETP TO PWAK (N19 16.9 E166 38.1) DIST 730 NM     | WC HD008 TT 113     |           |
| ETP TO RJAW (N24 47.0 E141 19.3) DIST 738 NM     | WC HD004 TT 274     |           |
| *** FUEL DUMP REQUIRED ***                       |                     |           |
| <b>ONE ENGINE OUT ETP 4 FOR RJAW/RPLL</b>        | N20 14.5 E131 03.5  | EET 11:52 |
| 1E084/320 DESC TO FL280 CRUISE AT 1E0320         | 62 NM BEFORE 20E30  |           |
| PLN FUEL OVER ETP 43024 ETP FUEL REQ 14149       | DIV TIME 01:22      |           |

ETP TO RJAW (N24 47.0 E141 19.3) DIST 632 NM WC HD012 TT 062  
 ETP TO RPLL (N14 30.5 E121 00.8) DIST 671 NM WC TL017 TT 241

**ONE ENGINE OUT DECOMP ETP 4 FOR RJAW/RPLL** N20 13.1 E130 57.3 EET 11:53  
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 56 NM BEFORE 20E30  
 PLN FUEL OVER ETP 42949 ETP FUEL REQ 14507 DIV TIME 01:42  
 ETP TO RJAW (N24 47.0 E141 19.3) DIST 637 NM WC HD003 TT 063  
 ETP TO RPLL (N14 30.5 E121 00.8) DIST 665 NM WC TL013 TT 241

**ALL ENGINE DECOMP ETP 4 FOR RJAW/RPLL** N20 13.1 E130 57.3 EET 11:53  
 84/320/250 DESC TO FL100 CRUISE AT AE320 56 NM BEFORE 20E30  
 PLN FUEL OVER ETP 42949 ETP FUEL REQ 13839 DIV TIME 01:42  
 ETP TO RJAW (N24 47.0 E141 19.3) DIST 637 NM WC HD003 TT 063  
 ETP TO RPLL (N14 30.5 E121 00.8) DIST 665 NM WC TL013 TT 241

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**ATC ROUTE:** N0496F320 VTU8 VTU DCT AUDIA DCT BARAZ DCT 34N140W 33N150W/N0490F340  
 31N160W 29N170W 27N180E 26N170E/N0490F360 25N160E 24N150E 22N140E  
 20N130E DCT SKATE A590 JOM DCT MIA/N0502F340 M765 PANDI/K0921F360  
 M765 ALDAS/K0909F380 M765 CN/K0903F390 L642 ESPOB/N0487F390 L642  
 ENREP M763 TAXUL Y332 PADLI Y343 SAROX PON01B

**ALTERNATE PLANNING**

-----  
 ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE  
 WMSA/33 103 FL160 092 HD008 00:23 2801 - PIB01D PIBOS CE1

MOST CRITICAL MORA 11100 FT AT VTU

| AWY<br>-FIR | WAYPOINT<br>NAME | MT  | ALT<br>ISA | MSA | FREQ<br>WND/SPD | TAS<br>GS | LEG<br>REM | FUEL<br>POSITION | REM / USED  | LEG<br>ETO / | ACC<br>ATO |
|-------------|------------------|-----|------------|-----|-----------------|-----------|------------|------------------|-------------|--------------|------------|
|             | KLAX/25R         |     | 128        | 045 |                 |           |            | 137.2 / 1.1      |             |              |            |
|             | LOS ANGELES INTL |     |            |     |                 |           | 8055       | N3356.3 W11822.9 | ...../..... |              |            |
| VTU8        | VTU              | 276 | *CLB       | 111 | 108.20          |           | 35         | 134.0 / 4.4      | 08 00.08    |              |            |
|             | VENTURA OXNARD   |     |            | P08 | 327/042         |           | 8020       | N3406.9 W11902.9 | ...../..... |              |            |
| DCT         | *TOC             | 261 | FL320      | 111 |                 | 496       | 65         | 131.5 / 6.9      | 10 00.18    |              |            |
|             |                  |     |            | P06 | 323/072         | 449       | 7954       | N3410.3 W12021.9 | ...../..... |              |            |

----- 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 **AUDIA** 260 FL320 075 496 136 128.8 / 9.5 18 00.36  
 -KZAK P05 327/058 460 7819 N3414.9 W12305.4 ...../.....

----- ETOPS ENTRY (KLAX) 0388 NM BEFORE BARAZ EET 00:58 -----

DCT **BARAZ** 256 FL320 010 498 560 118.6 / 19.8 0110 01.46  
 -KZOA P07 318/021 483 7259 N3401.3 W13420.7 ...../.....

DCT **34N40** 258 FL320 010 498 282 113.8 / 24.6 34 02.20  
 -KZAK 34N140W P07 098/017 514 6977 N3400.0 W14000.0 ...../.....

\*ETP 1 252 FL320 010 498 53 112.9 / 25.4 06 02.26  
 KLAX/PHNL P07 101/022 514 6924 N3355.9 W14103.7 ...../.....

|   |               |     |       |         |               |         |                  |             |       |
|---|---------------|-----|-------|---------|---------------|---------|------------------|-------------|-------|
| DCT   | <b>33N50</b>  | 252 | *CLB  | 010     |               | 452     | 105.8 / 32.5     | 52          | 03.18 |
|   | 33N150W       |     | P06   | 042/037 |               | 6473    | N3300.0 W15000.0 | ...../..... |       |
| DCT   | <b>31N60</b>  | 247 | FL340 | 010     |               | 494 523 | 97.6 / 40.7      | 0100        | 04.18 |
|   | 31N160W       |     | P07   | 004/020 | 501 5949      |         | N3100.0 W16000.0 | ...../..... |       |
| ----- ETOPS EXIT (PMDY) 0014 NM BEFORE 29N70 EET 05:22 -----  |               |     |       |         |               |         |                  |             |       |
| DCT   | <b>29N70</b>  | 246 | FL340 | 010     |               | 496 534 | 89.1 / 49.3      | 0105        | 05.23 |
|   | 29N170W       |     | P08   | 308/015 | 487 5415      |         | N2900.0 W17000.0 | ...../..... |       |
|   | <b>*ETP 2</b> | 251 | FL340 | 012     |               | 496 332 | 83.9 / 54.5      | 41          | 06.04 |
|   | PHNL/PWAK     |     | P09   | 293/014 | 487 5083      |         | N2751.8 W17609.0 | ...../..... |       |
| DCT   | <b>27E80</b>  | 249 | FL340 | 010     |               | 498 212 | 80.5 / 57.8      | 27          | 06.31 |
|   | 27N180E       |     | P09   | 020/005 | 500 4871      |         | N2700.0 E18000.0 | ...../..... |       |
| ----- ETOPS ENTRY (PMDY) 0283 NM BEFORE 26E70 EET 07:01 ----- |               |     |       |         |               |         |                  |             |       |
| DCT   | <b>26E70</b>  | 258 | *CLB  | 012     |               | 541     | 72.6 / 65.7      | 0104        | 07.35 |
|   | 26N170E       |     | P10   | 071/020 |               | 4330    | N2600.0 E17000.0 | ...../..... |       |
| ----- ETOPS EXIT (PWAK) 0450 NM BEFORE 25E60 EET 07:46 -----  |               |     |       |         |               |         |                  |             |       |
| ----- ETOPS ENTRY (PWAK) 0199 NM BEFORE 25E60 EET 08:15 ----- |               |     |       |         |               |         |                  |             |       |
| DCT   | <b>25E60</b>  | 260 | FL360 | 010     |               | 492 546 | 65.0 / 73.4      | 0103        | 08.38 |
|   | 25N160E       |     | P09   | 061/027 | 517 3784      |         | N2500.0 E16000.0 | ...../..... |       |
| DCT   | <b>*BDRY</b>  | 264 | FL360 | 010     |               | 492 274 | 61.3 / 77.1      | 32          | 09.10 |
| -RJJJ   |               |     | P09   | 073/021 | 517 3511      |         | N2435.0 E15459.8 | ...../..... |       |
|   | <b>*ETP 3</b> | 263 | FL360 | 010     |               | 492 8   | 61.2 / 77.2      | 01          | 09.11 |
|   | PWAK/RJAW     |     | P09   | 074/021 | 517 3502      |         | N2434.1 E15450.7 | ...../..... |       |
| DCT   | <b>24E50</b>  | 263 | FL360 | 025     |               | 494 268 | 57.5 / 80.8      | 32          | 09.43 |
|   | 24N150E       |     | P09   | 116/010 | 503 3234      |         | N2400.0 E15000.0 | ...../..... |       |
| ----- ETOPS EXIT (RJAW) 0490 NM BEFORE 22E40 EET 09:52 -----  |               |     |       |         |               |         |                  |             |       |
| DCT   | <b>22E40</b>  | 260 | FL360 | 010     |               | 497 566 | 49.7 / 88.6      | 0108        | 10.51 |
|   | 22N140E       |     | P11   | 257/008 | 489 2668      |         | N2200.0 E14000.0 | ...../..... |       |
| ----- ETOPS ENTRY (RJAW) 0298 NM BEFORE 20E30 EET 11:25 ----- |               |     |       |         |               |         |                  |             |       |
| DCT   | <b>*BDRY</b>  | 261 | FL360 | 010     |               | 496 308 | 45.6 / 92.7      | 38          | 11.29 |
| -KZAK   |               |     | P11   | 130/026 | 509 2360      |         | N2059.9 E13436.0 | ...../..... |       |
| ----- ETOPS EXIT (ROAH) 0068 NM BEFORE 20E30 EET 11:51 -----  |               |     |       |         |               |         |                  |             |       |
|   | <b>*ETP 4</b> | 260 | FL360 | 010     |               | 496 210 | 42.9 / 95.4      | 24          | 11.53 |
|   | RJAW/RPLL     |     | P11   | 027/046 | 527 2150      |         | N2013.1 E13057.3 | ...../..... |       |
| DCT   | <b>20E30</b>  | 259 | FL360 | 010     |               | 496 56  | 42.3 / 96.1      | 06          | 11.59 |
| -RPHI   | 20N130E       |     | P11   | 024/038 | 520 2094      |         | N2000.0 E13000.0 | ...../..... |       |
| DCT   | <b>SKATE</b>  | 247 | FL360 | 010     |               | 497 354 | 37.8 / 100.5     | 41          | 12.40 |
|   |               |     | P11   | 062/022 | 519 1740      |         | N1722.1 E12425.6 | ...../..... |       |
| A590  | <b>MUPOB</b>  | 220 | FL360 | 010     |               | 497 131 | 36.2 / 102.1     | 15          | 12.55 |
|   |               |     | P11   | 083/028 | 516 1609      |         | N1538.1 E12303.2 | ...../..... |       |
| A590  | <b>JOM</b>    | 219 | FL360 | 074     | <b>116.70</b> | 497 70  | 35.3 / 103.0     | 08          | 13.03 |
|   | JOMALIG       |     | P11   | 090/030 | 516 1539      |         | N1442.2 E12219.7 | ...../..... |       |

|   |                      |     |       |     |               |          |                  |             |       |
|---|----------------------|-----|-------|-----|---------------|----------|------------------|-------------|-------|
| DCT   | <b>MIA</b><br>MANILA | 263 | *DES  | 095 | <b>114.40</b> | 77       | 34.4 / 103.9     | 09          | 13.12 |
|   |                      |     |       | P10 | 090/032       | 1462     | N1430.4 E12101.3 | ...../..... |       |
| M765  | <b>BORGA</b>         | 250 | FL340 | 095 |               | 502 20   | 34.2 / 104.1     | 03          | 13.15 |
|   |                      |     |       | P12 | 090/028       | 528 1442 | N1422.9 E12042.1 | ...../..... |       |
| M765  | <b>KEERO</b>         | 250 | FL340 | 059 |               | 502 24   | 33.9 / 104.4     | 02          | 13.17 |
|   |                      |     |       | P12 | 094/028       | 528 1418 | N1413.9 E12019.1 | ...../..... |       |
| M765  | <b>BETEL</b>         | 249 | FL340 | 059 |               | 502 9    | 33.8 / 104.5     | 01          | 13.18 |
|   |                      |     |       | P12 | 096/028       | 527 1409 | N1410.6 E12010.7 | ...../..... |       |
| M765  | <b>EXORA</b>         | 249 | FL340 | 059 |               | 502 19   | 33.6 / 104.8     | 02          | 13.20 |
|   |                      |     |       | P12 | 097/029       | 527 1391 | N1403.5 E11952.9 | ...../..... |       |
| M765  | <b>REKEL</b>         | 249 | FL340 | 010 |               | 502 74   | 32.6 / 105.7     | 09          | 13.29 |
|   |                      |     |       | P12 | 090/023       | 525 1316 | N1335.4 E11842.5 | ...../..... |       |
| M765  | <b>NOBEN</b>         | 249 | FL340 | 010 |               | 502 125  | 31.0 / 107.3     | 14          | 13.43 |
|   |                      |     |       | P12 | 077/021       | 523 1192 | N1247.2 E11644.4 | ...../..... |       |
| ----- ETOPS ENTRY (RPLL) 0039 NM BEFORE PANDI EET 13:59 ----- |                      |     |       |     |               |          |                  |             |       |
| M765  | <b>PANDI</b>         | 247 | *CLB  | 014 |               | 175      | 28.8 / 109.5     | 20          | 14.03 |
| -VVTS   |                      |     |       | P13 | 067/019       | 1016     | N1138.1 E11400.0 | ...../..... |       |
| ----- ETOPS EXIT (VVTS) 0083 NM BEFORE ALDAS EET 14:07 -----  |                      |     |       |     |               |          |                  |             |       |
| M765  | <b>ALDAS</b>         | 249 | *CLB  | 010 |               | 114      | 27.4 / 111.0     | 13          | 14.16 |
|   |                      |     |       | P11 | 071/023       | 903      | N1056.8 E11212.3 | ...../..... |       |
| M765  | <b>MAPNO</b>         | 249 | FL380 | 010 |               | 491 119  | 25.9 / 112.5     | 14          | 14.30 |
|   |                      |     |       | P06 | 068/024       | 518 784  | N1013.0 E11020.1 | ...../..... |       |
| M765  | <b>SAMAP</b>         | 249 | FL380 | 017 |               | 491 69   | 25.0 / 113.3     | 08          | 14.38 |
|   |                      |     |       | P05 | 060/018       | 510 715  | N0947.2 E10915.1 | ...../..... |       |
| M765  | <b>DAGAG</b>         | 248 | FL380 | 017 |               | 491 52   | 24.4 / 113.9     | 06          | 14.44 |
|   |                      |     |       | P05 | 052/017       | 509 663  | N0927.8 E10826.5 | ...../..... |       |
| M765  | <b>CN</b><br>CON SON | 248 | *CLB  | 033 | <b>375.0</b>  | 116      | 23.0 / 115.3     | 14          | 14.58 |
|   |                      |     |       | P05 | 043/016       | 547      | N0843.9 E10637.5 | ...../..... |       |
| L642  | <b>ESPOB</b>         | 212 | FL390 | 033 |               | 487 122  | 21.5 / 116.8     | 15          | 15.13 |
| -WSJC   |                      |     |       | P02 | 055/030       | 512 424  | N0700.0 E10533.2 | ...../..... |       |
| L642  | <b>ENREP</b>         | 212 | FL390 | 011 |               | 487 150  | 19.8 / 118.5     | 17          | 15.30 |
|   |                      |     |       | P02 | 059/038       | 521 274  | N0452.3 E10414.6 | ...../..... |       |
| M763  | <b>TAXUL</b>         | 209 | FL390 | 045 |               | 487 71   | 19.0 / 119.3     | 08          | 15.38 |
| -WMFC   |                      |     |       | P02 | 065/042       | 520 204  | N0350.6 E10340.6 | ...../..... |       |
| Y332  | <b>PADLI</b>         | 192 | FL390 | 045 |               | 488 42   | 18.5 / 119.8     | 05          | 15.43 |
|   |                      |     |       | P02 | 068/047       | 513 161  | N0309.3 E10331.5 | ...../..... |       |
| Y343  | <b>*TOD</b>          | 247 | *DES  | 047 |               | 33       | 18.2 / 120.2     | 04          | 15.47 |
|   |                      |     |       | P02 | 068/047       | 129      | N0256.8 E10301.4 | ...../..... |       |
| Y343  | <b>SAROX</b>         | 247 | *DES  | 054 |               | 23       | 18.1 / 120.2     | 03          | 15.50 |
|   |                      |     |       | P14 | 053/036       | 106      | N0248.0 E10240.3 | ...../..... |       |
| PON01B  | <b>PONOX</b>         | 262 | *DES  | 054 |               | 39       | 18.0 / 120.4     | 06          | 15.56 |
|   |                      |     |       | P15 | 228/002       | 67       | N0242.4 E10201.8 | ...../..... |       |
| PON01B  | <b>KK441</b>         | 236 | *DES  | 054 |               | 7        | 18.0 / 120.4     | 01          | 15.57 |
|   |                      |     |       | P15 | 253/006       | 60       | N0238.5 E10156.0 | ...../..... |       |

|        |                            |     |             |    |                  |             |       |
|--------|----------------------------|-----|-------------|----|------------------|-------------|-------|
| PON01B | <b>MUNOV</b>               | 146 | *DES 054    | 10 | 17.9 / 120.5     | 02          | 15.59 |
|        |                            |     | P14 259/011 | 50 | N0229.9 E10201.7 | ...../..... |       |
| PON01B | <b>KK445</b>               | 147 | *DES 054    | 10 | 17.9 / 120.5     | 02          | 16.01 |
|        |                            |     | P14 260/016 | 40 | N0221.5 E10207.3 | ...../..... |       |
| PON01B | <b>KK446</b>               | 236 | *DES 054    | 8  | 17.8 / 120.6     | 01          | 16.02 |
|        |                            |     | P14 262/020 | 31 | N0216.9 E10200.3 | ...../..... |       |
| PON01B | <b>KK447</b>               | 327 | *DES 054    | 4  | 17.8 / 120.6     | 01          | 16.03 |
|        |                            |     | P14 258/017 | 27 | N0220.2 E10158.1 | ...../..... |       |
| PON01B | <b>BERBI</b>               | 327 | *DES 043    | 4  | 17.8 / 120.7     | 01          | 16.04 |
|        |                            |     | P13 253/015 | 23 | N0223.5 E10155.9 | ...../..... |       |
| PON01B | <b>WMKK/32L</b>            | 326 | 70 043      | 23 | 17.4 / 121.0     | 07          | 16.11 |
|        | <b>KUALA LUMPUR INTL -</b> |     |             |    | N0242.7 E10143.0 | ...../..... |       |

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WIND INFORMATION - OBS 23/SEP 06:00

|                |         |     |  |                  |         |     |  |              |         |     |  |              |         |     |  |
|----------------|---------|-----|--|------------------|---------|-----|--|--------------|---------|-----|--|--------------|---------|-----|--|
| <b>(CLIMB)</b> |         |     |  | <b>AUDIA</b>     |         |     |  | <b>BARAZ</b> |         |     |  | <b>34N40</b> |         |     |  |
| FL310          | 326/073 | -41 |  | FL360            | 322/056 | -53 |  | FL360        | 306/025 | -51 |  | FL360        | 109/015 | -52 |  |
| FL250          | 330/065 | -28 |  | FL340            | 327/058 | -49 |  | FL340        | 316/025 | -46 |  | FL340        | 097/019 | -47 |  |
| FL190          | 329/046 | -14 |  | FL320            | 328/058 | -44 |  | FL320        | 319/021 | -42 |  | FL320        | 098/017 | -42 |  |
| 12000          | 332/018 | -5  |  | FL300            | 329/058 | -38 |  | FL300        | 323/018 | -37 |  | FL300        | 100/015 | -36 |  |
| 6000           | 007/005 | +5  |  | FL280            | 331/057 | -33 |  | FL280        | 327/015 | -33 |  | FL280        | 096/014 | -32 |  |
| <b>31N60</b>   |         |     |  | <b>29N70</b>     |         |     |  | <b>27E80</b> |         |     |  | <b>25E60</b> |         |     |  |
| FL380          | 014/027 | -57 |  | FL380            | 316/016 | -55 |  | FL380        | 007/007 | -54 |  | FL400        | 056/023 | -58 |  |
| FL360          | 010/024 | -51 |  | FL360            | 313/016 | -50 |  | FL360        | 013/006 | -49 |  | FL380        | 058/026 | -53 |  |
| FL340          | 005/021 | -45 |  | FL340            | 309/016 | -44 |  | FL340        | 020/005 | -43 |  | FL360        | 062/027 | -48 |  |
| FL320          | 017/018 | -40 |  | FL320            | 307/015 | -39 |  | FL320        | 006/004 | -38 |  | FL340        | 065/029 | -42 |  |
| FL300          | 032/017 | -34 |  | FL300            | 305/014 | -33 |  | FL300        | 345/004 | -32 |  | FL320        | 072/027 | -37 |  |
| <b>24E50</b>   |         |     |  | <b>22E40</b>     |         |     |  | <b>20E30</b> |         |     |  | <b>SKATE</b> |         |     |  |
| FL400          | 104/009 | -57 |  | FL400            | 256/016 | -56 |  | FL400        | 024/035 | -56 |  | FL400        | 068/023 | -56 |  |
| FL380          | 114/011 | -52 |  | FL380            | 261/015 | -50 |  | FL380        | 024/037 | -51 |  | FL380        | 066/022 | -50 |  |
| FL360          | 116/010 | -47 |  | FL360            | 258/008 | -45 |  | FL360        | 025/038 | -46 |  | FL360        | 062/023 | -45 |  |
| FL340          | 118/009 | -42 |  | FL340            | 219/001 | -40 |  | FL340        | 025/040 | -40 |  | FL340        | 059/024 | -40 |  |
| FL320          | 118/009 | -37 |  | FL320            | 128/002 | -36 |  | FL320        | 028/038 | -35 |  | FL320        | 060/026 | -34 |  |
| <b>MUPOB</b>   |         |     |  | <b>BORGA</b>     |         |     |  | <b>REKEL</b> |         |     |  | <b>NOBEN</b> |         |     |  |
| FL400          | 089/026 | -56 |  | FL380            | 094/036 | -51 |  | FL380        | 087/027 | -52 |  | FL380        | 054/024 | -51 |  |
| FL380          | 086/028 | -51 |  | FL360            | 092/032 | -46 |  | FL360        | 088/025 | -46 |  | FL360        | 064/022 | -46 |  |
| FL360          | 084/028 | -45 |  | FL340            | 091/028 | -40 |  | FL340        | 090/024 | -40 |  | FL340        | 077/021 | -40 |  |
| FL340          | 081/029 | -40 |  | FL320            | 090/027 | -35 |  | FL320        | 090/023 | -35 |  | FL320        | 085/019 | -35 |  |
| FL320          | 078/028 | -35 |  | FL300            | 089/025 | -30 |  | FL300        | 089/023 | -30 |  | FL300        | 096/018 | -29 |  |
| <b>MAPNO</b>   |         |     |  | <b>DAGAG</b>     |         |     |  | <b>ESPOB</b> |         |     |  | <b>ENREP</b> |         |     |  |
| FL420          | 063/031 | -62 |  | FL420            | 062/032 | -63 |  | FL430        | 066/048 | -66 |  | FL430        | 067/050 | -65 |  |
| FL400          | 066/029 | -57 |  | FL400            | 059/025 | -57 |  | FL410        | 062/039 | -60 |  | FL410        | 064/045 | -60 |  |
| FL380          | 069/025 | -51 |  | FL380            | 053/018 | -51 |  | FL390        | 055/030 | -55 |  | FL390        | 060/039 | -55 |  |
| FL360          | 065/019 | -45 |  | FL360            | 045/010 | -46 |  | FL370        | 045/024 | -49 |  | FL370        | 055/036 | -49 |  |
| FL340          | 058/013 | -39 |  | FL340            | 359/003 | -39 |  | FL350        | 030/020 | -43 |  | FL350        | 050/035 | -43 |  |
| <b>PADLI</b>   |         |     |  | <b>(DESCENT)</b> |         |     |  |              |         |     |  |              |         |     |  |
| FL430          | 071/059 | -65 |  | FL380            | 049/041 | -52 |  |              |         |     |  |              |         |     |  |
| FL410          | 070/053 | -60 |  | FL310            | 090/034 | -33 |  |              |         |     |  |              |         |     |  |
| FL390          | 068/047 | -55 |  | FL230            | 088/019 | -15 |  |              |         |     |  |              |         |     |  |
| FL370          | 062/043 | -49 |  | FL150            | 260/009 | -1  |  |              |         |     |  |              |         |     |  |
| FL350          | 053/039 | -43 |  | 7000             | 240/017 | +14 |  |              |         |     |  |              |         |     |  |

END FLIGHTPLAN 01728 TCC215A PJTGC KLAX-WMKK 23SEP2017

[ATC FLIGHTPLAN]

(FPL-TCC215A-IS  
-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2  
-KLAX1610  
-N0496F320 VTU8 VTU DCT AUDIA DCT BARAZ DCT 34N140W  
33N150W/N0490F340 31N160W 29N170W 27N180E 26N170E/N0490F360  
25N160E 24N150E 22N140E 20N130E DCT SKATE A590 JOM DCT  
MIA/N0502F340 M765 PANDI/K0921F360 M765 ALDAS/K0909F380 M765  
CN/K0903F390 L642 ESPOB/N0487F390 L642 ENREP M763 TAXUL Y332  
PADLI Y343 SAROX PON01B  
-WMKK1611 WMSA  
-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/170923 REG/PJTGC  
EET/KZAK0036 RJJJ0910 KZAK1129 RPHI1159 VVTS1403 WSJC1513  
WMFC1538  
SEL/SALH CODE/484DC5 RVR/75 OPR/TRADEWIND CHARTER  
ORGN/TNCCTCAP PER/C  
RALT/PHNL PWAK RJAW RPLL  
RMK/TCAS  
-E/1858)

[PLANNING WEATHER]

**ORIGIN: KLAX/LAX (LOS ANGELES INTL, UNITED STATES)**

**UTC -07:00**

KLAX 231353Z 00000KT 10SM FEW020 15/12 A2984 RMK A02 SLP102 T01500117  
KLAX 231137Z 2312/2418 25005KT P6SM SCT020  
FM231500 10006KT P6SM SCT020  
FM232000 25011KT P6SM SKC  
FM240300 26007KT P6SM SKC  
FM241000 VRB03KT P6SM SCT020

**DESTINATION: WMKK/KUL (KUALA LUMPUR INTL - SEPANG, MALAYSIA)**

**UTC +08:00**

WMKK 231400Z VRB02KT 9999 FEW017CB SCT140 BKN280 27/24 Q1011 NOSIG  
WMKK 231100Z 2312/2418 VRB02KT 9999 FEW018 SCT140 BKN280  
PROB30 TEMPO 2320/2400 4000 TSRA FEW015CB SCT018

**ALTERNATE: WMSA/SZB (SULTAN ABDUL AZIZ SHAH-SUBANG, MALAYSIA)**

**UTC +08:00**

WMSA 231400Z VRB02KT 8000 FEW026 BKN280 27/24 Q1012  
WMSA 231100Z 2312/2412 VRB01KT 9999 FEW019 SCT140 BKN280  
PROB30 TEMPO 2400/2404 5000 TSRA FEW015CB SCT018

**EDTO AIRPORT: PHNL/HNL (INOUE INTL, HAWAII)**

**UTC -10:00**

PHNL 231353Z 00000KT 10SM FEW025 SCT070 25/19 A2998 RMK A02 SLP151  
T02500189  
PHNL 231432Z 2315/2418 35004KT P6SM FEW025 FEW045  
FM232000 05011G18KT P6SM FEW025 SCT045  
FM240500 04007KT P6SM FEW025 SCT045

**EDTO AIRPORT: PWAH/AWK (WAKE I, WAKE ISLANDS)**

**UTC +12:00**

PWAH 231358Z AUTO 06010KT 9999 FEW021 28/25 A2993 RMK A02 SLP142  
PWAH 231400Z 2314/2420 07012KT 9999 SCT020 QNH2986INS TX31/2401Z  
TN23/2317Z

**EDTO AIRPORT: RJAW/IWO (IWOTO, JAPAN)**

**UTC +09:00**

RJAW 231200Z 14003KT 9999 FEW010 28/25 Q1016 RMK 2CU010 A3001  
NO TAF AVAILABLE

**EDTO AIRPORT: RPLL/MNL (NINYO AQUINO INTL, PHILIPPINES)**

**UTC +08:00**

RPLL 231400Z 00000KT 9999 FEW023 SCT100 OVC250 27/27 Q1012 NOSIG RMK A2988  
RPLL 231100Z 2312/2418 15006KT 9999 FEW025 BKN300 TX34/2406Z TN26/2321Z  
TEMPO 2312/2318 VRB03KT FEW023 BKN100  
TEMPO 2318/2324 VRB02KT FEW025 SCT300

**VVTS/SGN (TAN SON NHAT INTL, VIETNAM)**

**UTC +07:00**

VVTS 231400Z 22006KT 9999 SCT015 SCT050 27/25 Q1009 NOSIG  
VVTS 231100Z 2312/2418 22007KT 9999 SCT015 SCT040  
BECMG 2315/2316 VRB03KT  
BECMG 2400/2401 23010KT  
TEMPO 2406/2412 23015G28KT 3000 TSRA SCT013 SCT015CB

**PMDY/MDY (HENDERSON FIELD, MIDWAY ISLANDS)**

**UTC +13:00**

PMDY 231349Z AUTO 16009KT 10SM SCT017 BKN080 OVC120 25/23 A3002 RMK A02  
SLP166 T02500233  
PMDY 231120Z 2312/2412 VRB05KT P6SM VCSH SCT020 BKN040

**ROTM (FUTENMA MCAS, OKINAWA ISLANDS)**

**UTC +09:00**

ROTM 231359Z VRB06KT 9999 BKN020 BKN200 27/25 A2998 RMK TSE50 CB DSIPTD  
SLP140 STNPR29685 T2 T02720254  
ROTM 2315/2415 VRB06KT 9999 SCT020 SCT100 QNH2990INS  
TEMPO 2315/2318 9000 -SHRA BR BKN020  
BECMG 2319/2321 VRB06KT 9000 -TSRA BR BKN015CB BKN050 BKN150 QNH22990INS  
FM240300 VRB06KT 9999 NSW SCT020 BKN200 QNH2986INS T27/2311Z T32/2405Z

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

**UTC +09:00**

ROAH 231400Z 11002KT 9999 FEW015 FEW025CB SCT030 BKN050 28/25 Q1014 RMK  
1CU015 1CB025 3CU030 5SC050 A2995 LIGHTNING W  
ROAH 231107Z 2312/2418 22007KT 9999 FEW015 SCT030  
BECMG 2403/2406 29006KT  
BECMG 2412/2415 14003KT

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

**UTC +09:00**

RORS 231000Z 15005KT 9999 FEW020 BKN/// 29/26 Q1012  
NO TAF AVAILABLE

**RPUT/TUG (TUGUEGARAO, PHILIPPINES)**

**UTC +08:00**

NO WX DATA AVAILABLE

**VVCS/VCS (CON SON, VIETNAM)**

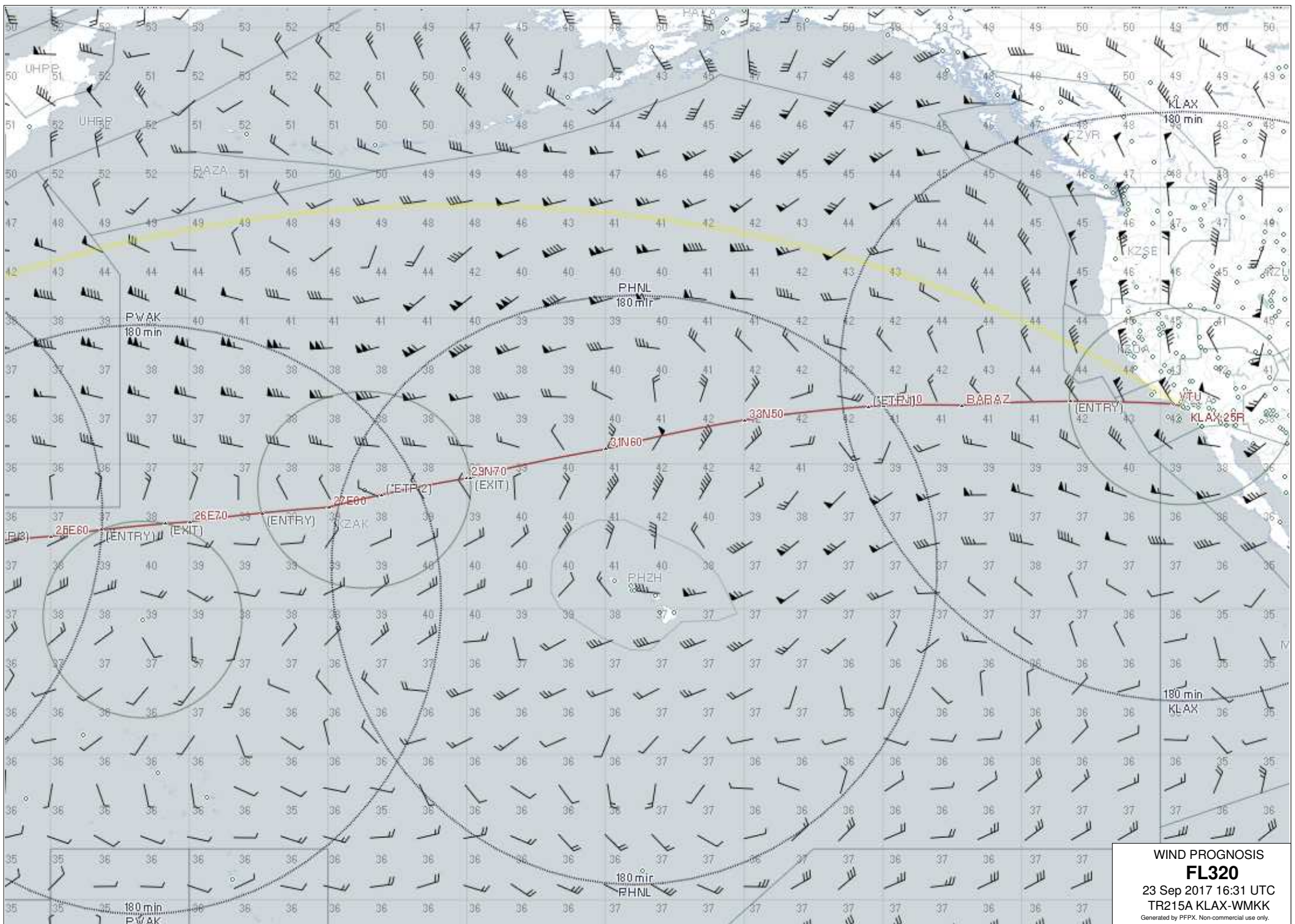
**UTC +07:00**

NO WX DATA AVAILABLE

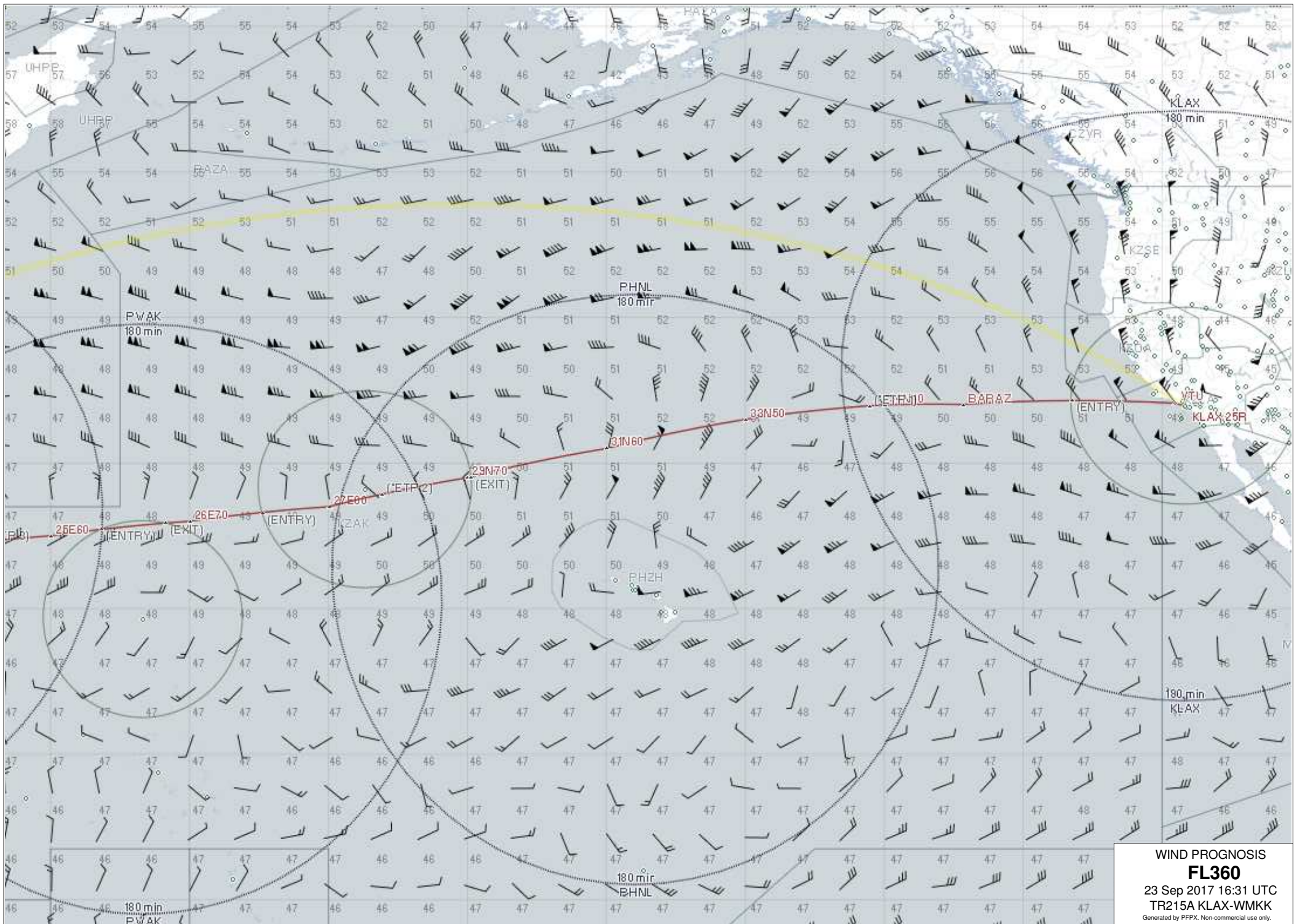
**WMKD/KUA (SULTAN AHMAD SHAH, MALAYSIA)**

**UTC +08:00**

WMKD 231400Z 20005KT 9999 FEW025 SCT160 BKN280 27/25 Q1011 NOSIG  
NO TAF AVAILABLE







WIND PROGNOSIS

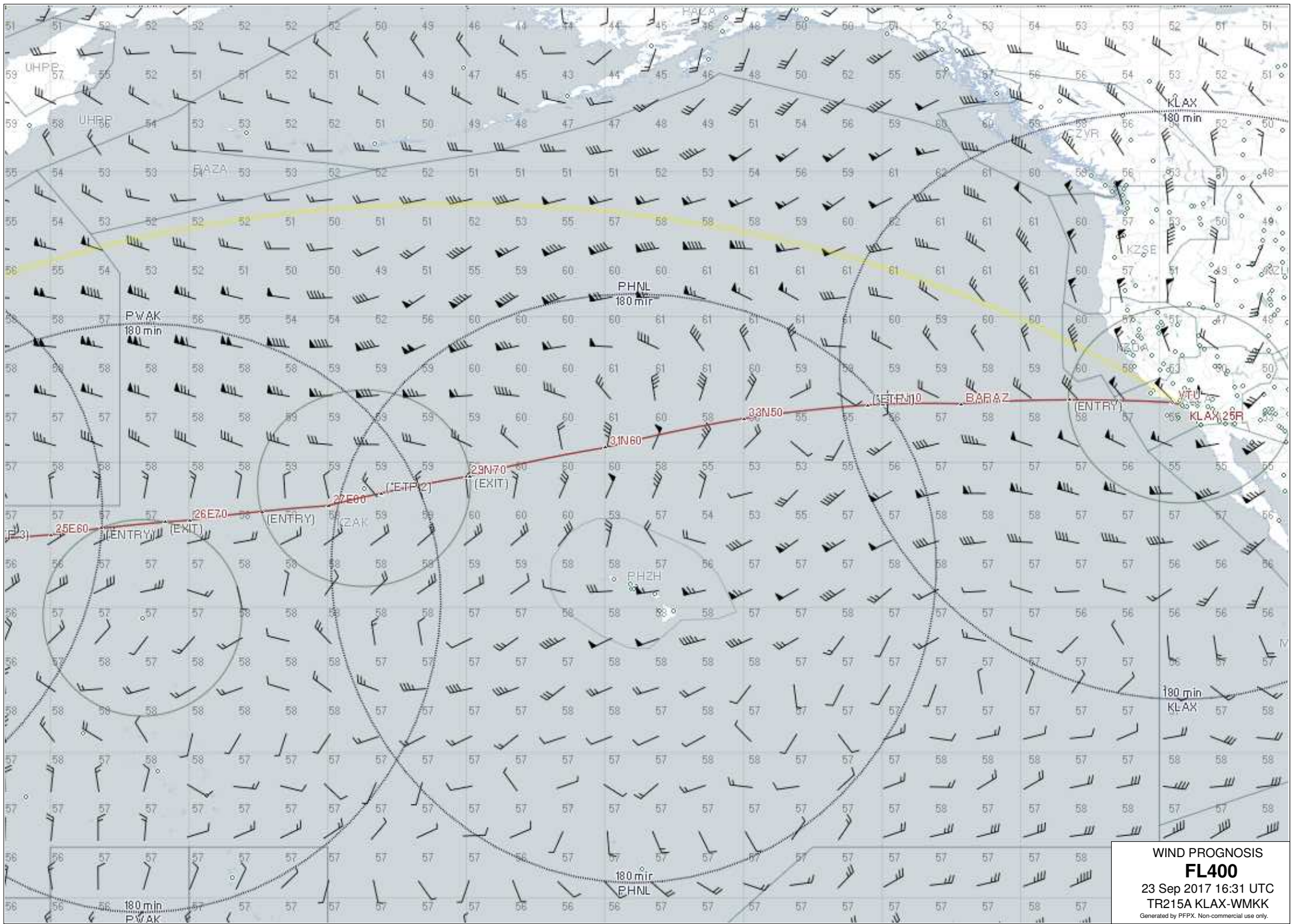
**FL360**

23 Sep 2017 16:31 UTC

TR215A KLAX-WMCK

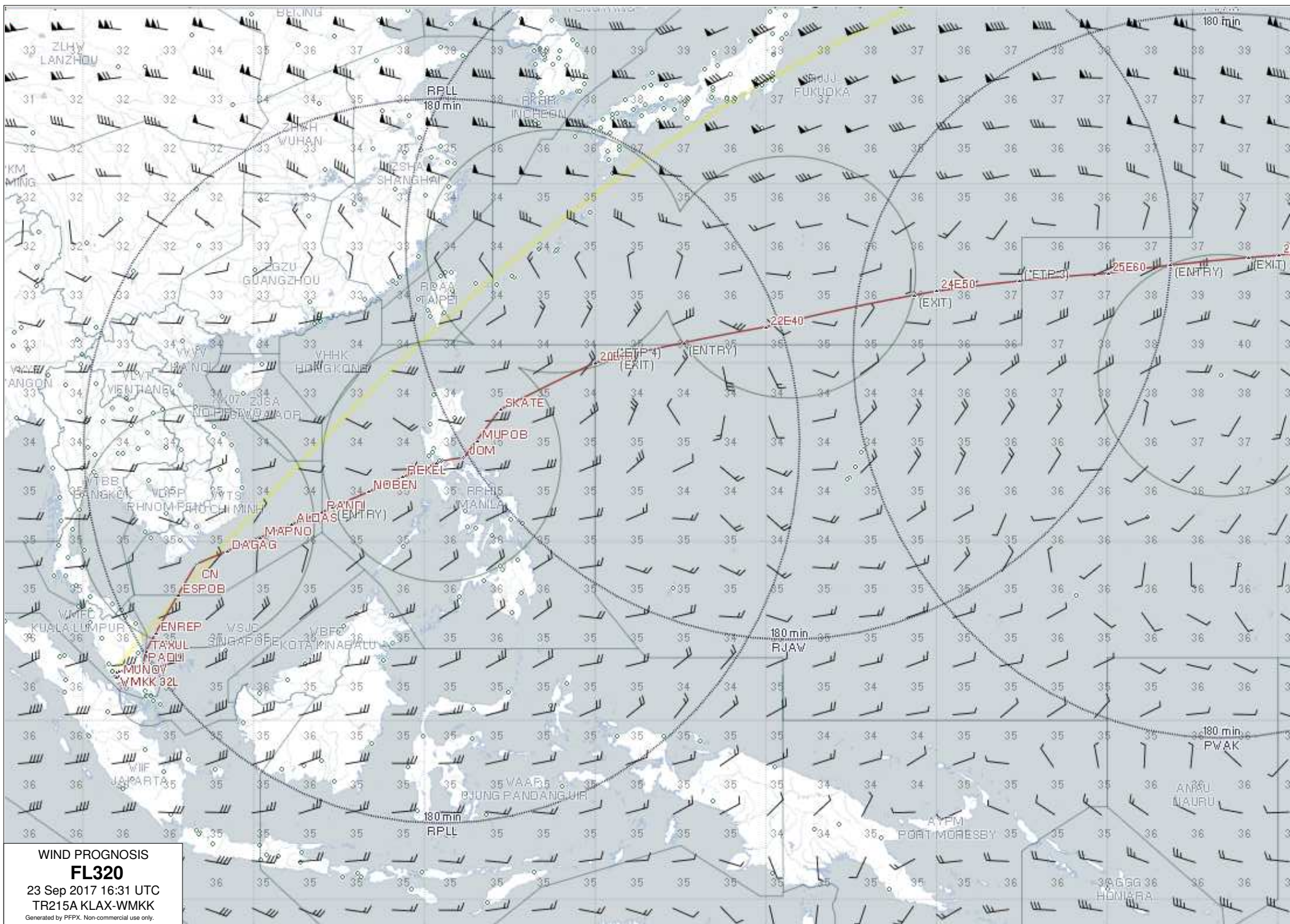
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WIND PROGNOSIS  
**FL400**  
 23 Sep 2017 16:31 UTC  
 TR215A KLAX-WMCK  
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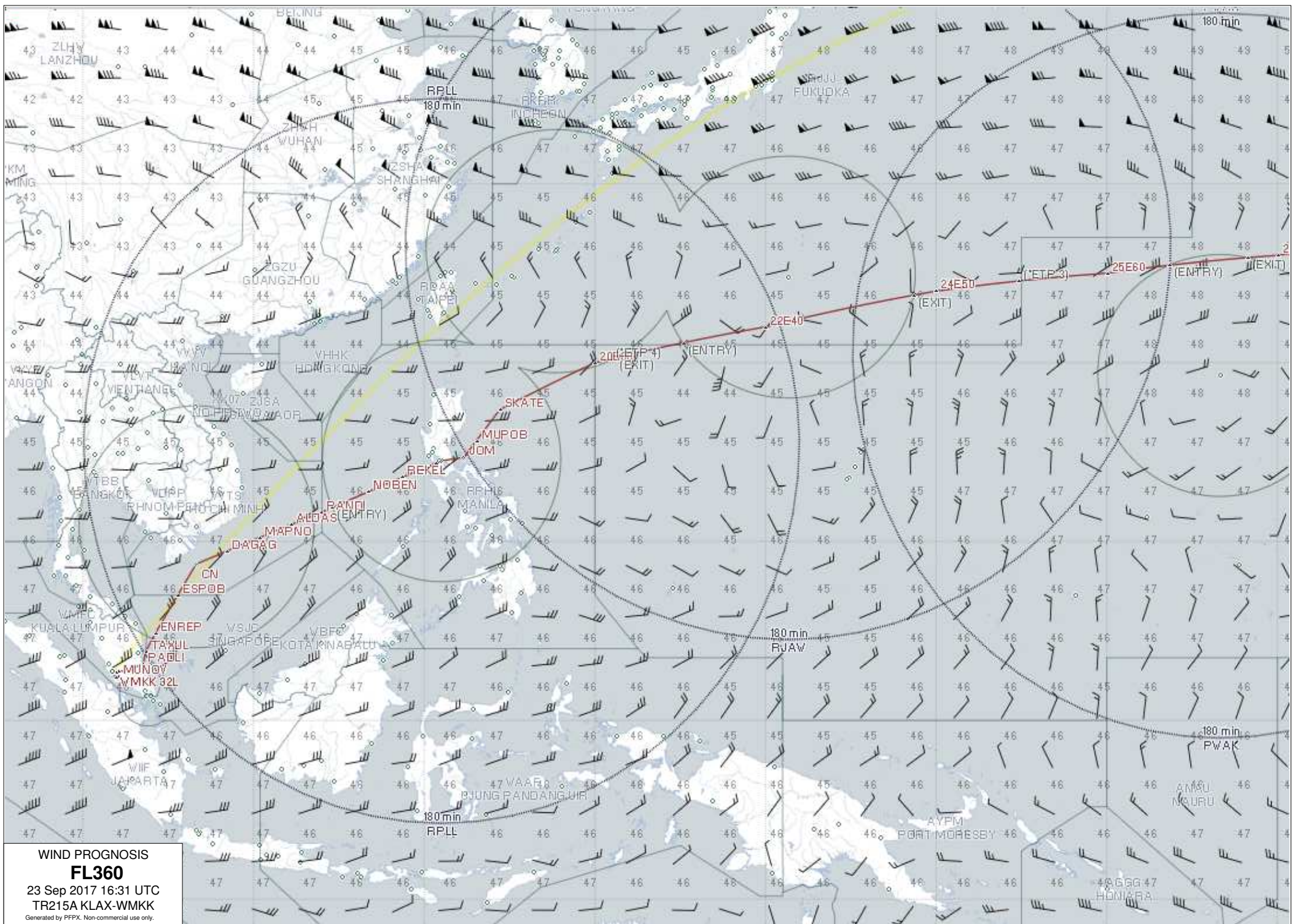


WIND PROGNOSIS  
**FL320**

23 Sep 2017 16:31 UTC  
 TR215A KLAX-WMCK

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WIND PROGNOSIS

**FL360**

23 Sep 2017 16:31 UTC

TR215A KLAX-WMCK

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