



**Tradewind VA**



## **Flight Briefing Package**

**TCC321B OMAA-KBOS**

**01-Dec-2019 #2**

RELEASE #2

ABU DHABI INTL  
(UNITED ARAB EMIRATES)

-

LOGAN INTL  
(UNITED STATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

01 DEC 1622 UTC

| Fuel Planning (kg) | EU-OPS | Fuel    | Time  |
|--------------------|--------|---------|-------|
| TRIP               |        | 103.367 | 14:00 |
| CONT 5%            |        | 5.168   | 00:51 |
| HOLD               | KBOS   | 2.029   | 00:20 |
| ALTN               | KJFK   | 4.173   | 00:42 |
| FINAL RESV         |        | 3.044   | 00:30 |
| ADD FUEL           |        | 1.501   | 00:15 |
| MIN T/O            |        | 119.282 | 16:37 |
| EXTRA              |        | 1.522   | 00:15 |
| TAXI               |        | 1.144   | 00:22 |
| RELEASE            | OMAA   | 121.948 | 17:14 |
| ARR FUEL           | KBOS   | 16.813  | 02:41 |

| Load Planning (kg)   | PJTGD     | Plan    | Limit   |
|----------------------|-----------|---------|---------|
| Empty Weight         |           | 156.146 |         |
| Payload              | 265+0 Pax | 24.910  |         |
| Zero Fuel Weight     |           | 181.056 | 209.106 |
| Fuel                 |           | 121.948 | 162.613 |
| Ramp Weight          |           | 303.004 | 348.359 |
| Take-Off Weight OMAA |           | 301.860 | 360.000 |
| Landing Weight KBOS  | Limit     | 198.493 | 223.167 |
| Underload            |           | 24.674  | Lim LDW |

| Cost Planning        |           |         |
|----------------------|-----------|---------|
| Flight Time          | 14:00\$   | 77.595  |
| Fuel                 | 105.135\$ | 76.343  |
| Total                | \$        | 153.938 |
| Per Pax              | \$        | 581     |
| Per 3.000 kg Payload | \$        | 18.539  |

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC321B PJTGD OMAA-KBOS

ALL WEIGHTS IN KILOGRAMS (KG) STD 01DEC/2015Z

OPF 2 - PREPARED 01DEC/1622Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR321B/TCC321B PJTGD/B777-2LR GE SEL/EFAD ROUTE: OMAAKBOS01

DEP: OMAA/AUH 31L ELEV 83 FT COST INDEX: 250 TTL G/C DIST: 5802 NM  
ARR: KBOS/BOS 27 ELEV 19 FT INIT ALT: FL220 TTL F/P DIST: 6024 NM  
FUEL BIAS: 100.5% TTL AIR DIST: 6700 NM  
AVG WIND CMP: HD048 KT

ALT: KJFK/JFK 04R ELEV 13 FT 177 NM

| CONFIG   | DOW    | PAX | CARGO | TOTAL | ULOAD LIM | ZFW | TOW    | LDW    |
|----------|--------|-----|-------|-------|-----------|-----|--------|--------|
| STANDARD | 156146 | 265 | 0     | 24910 | 24674 LDW | MAX | 209106 | 360000 |
|          |        |     |       |       |           | PLN | 181056 | 301860 |
|          |        |     |       |       |           | ACT | .....  | .....  |

\*\* TAKE-OFF DATA OMAA 31L \*\*

COND: 301860 KG // RWY DRY // +24°C Q1016 330/10 // LMT: CLIMB  
CONFIG: FLAPS 5 // D-TO +50C // A/I OFF/AUTO // A/C ON  
SPEEDS: V1=167 VR=171 V2=173  
ENG OUT: NONE

|            | FUEL   | CORR  | ENDUR |                                       |
|------------|--------|-------|-------|---------------------------------------|
| TRIP       | 103367 | ..... | 14:00 |                                       |
| CONT 5%    | 5168   | ..... | 00:51 |                                       |
| ALTN KJFK  | 4173   | ..... | 00:42 |                                       |
| FINAL RESV | 3044   | ..... | 00:30 |                                       |
| HOLD       | 2029   | ..... | 00:20 |                                       |
| ADD FUEL   | 1501   | ..... | 00:15 |                                       |
| MIN T/O    | 119282 | ..... | 16:37 | .....                                 |
| EXTRA      | 1522   | ..... | 00:15 | CAPTAINS SIGNATURE (....)             |
| TAXI       | 1144   | ..... | 00:22 |                                       |
| RELEASE    | 121948 | ..... | 17:14 | I ACCEPT THIS OPF AND I AM FAMILIAR   |
| ARR FUEL   | 16813  | ..... | 02:41 | WITH THE PLANNED ROUTE AND AERODROMES |

FUEL TANK CAP 162613 KG / MAX EXTRA FUEL 26196 KG LIM BY LDW  
TRIP CORR FOR 4000 KG TOW INCR: +1092 KG / 4000 KG TOW DECR: -1139 KG  
2000 FT LOWER: +1253 KG / EET 13:50 CLB: 250/310/84 DES: 84/320/250

|      | STD               | ETA        | ACT | OFBL | EST  | T/O | ACT | T/O  |
|------|-------------------|------------|-----|------|------|-----|-----|------|
| OMAA | 20:15Z/00:15L     | 20:15Z     | ACT | OFBL | .... | EST | T/O | .... |
| KBOS | STA 10:45Z/05:45L | ETA 10:49Z | ACT | ONBL | .... | EST | LDG | .... |
|      | SKD 14:30         | PLN 14:34  | TTL | BLCK | .... | EST | FLT | .... |

\*\*\*\*\* 120 MIN ETOPS CRITICAL FUEL SUMMARY \*\*\*\*\*

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

| ETOPS ENTRY (BIKF) | 179 NM BEFORE 5940N | N60 12.0 W034 37.2 | EET 10:04 |
|--------------------|---------------------|--------------------|-----------|
| ETOPS EXIT (CYR)   | 249 NM BEFORE HOIST | N56 54.1 W050 24.3 | EET 11:19 |

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

BIKF (07:27-09:21)  
CYR (08:53-09:21)

ONE ENGINE OUT DECOMP ETP 1 FOR BIKF/CYYR N58 07.7 W044 59.2 EET 10:54  
 84/320/250 DESC TO FL100 CRUISE AT 1E0320 175 NM BEFORE 5750N  
 PLN FUEL OVER ETP 35086 ETP FUEL REQ 15419 DIV TIME 01:50  
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 735 NM WC TL037 TT 052  
 ETP TO CYYR (N53 19.2 W060 25.6) DIST 595 NM WC HD030 TT 248

ALL ENGINE DECOMP ETP 1 FOR BIKF/CYYR N58 07.7 W044 59.2 EET 10:54  
 84/320/250 DESC TO FL100 CRUISE AT AE320 175 NM BEFORE 5750N  
 PLN FUEL OVER ETP 35086 ETP FUEL REQ 14702 DIV TIME 01:50  
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 735 NM WC TL037 TT 052  
 ETP TO CYYR (N53 19.2 W060 25.6) DIST 595 NM WC HD030 TT 248

ONE ENGINE OUT ETP 1 FOR BIKF/CYYR N58 03.1 W045 22.1 EET 10:56  
 1E084/320 DESC TO FL291 CRUISE AT 1E0320 162 NM BEFORE 5750N  
 PLN FUEL OVER ETP 34899 ETP FUEL REQ 14713 DIV TIME 01:26  
 ETP TO BIKF (N63 59.1 W022 36.3) DIST 747 NM WC TL058 TT 052  
 ETP TO CYYR (N53 19.2 W060 25.6) DIST 582 NM WC HD058 TT 247

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ATC ROUTE: N0462F220 BOSE1K BOSEV N563 ALPOB UL768 OBMON UL934 TOKMA UL602  
 RALKA G795 TASMI L602 ALPET/N0493F320 UM860 ODALI UL852 NEGEM T746  
 ARGES L619 KARIL DCT KEKED/N0484F340 DCT KELEL P193 ELGOX/N0480F360  
 P193 VAGON T710 SUBIX DCT BERIM DCT ATTUS DCT DOREV DCT VAXIT UP60  
 FORTY UM86 SOXON DCT ORTAV/M085F360 DCT 62N020W 61N030W/N0482F380  
 59N040W 57N050W DCT HOIST N596A TAFFY DCT PQI J49 BGR DCT AJJAY  
 OOSHNS

#### ALTERNATE PLANNING

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 ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE  
 KJFK/04R 177 8000 061 TL005 00:42 4173 - BOSOX V1 DPK

MOST CRITICAL MORA 16000 FT AT NINVA

| AWY<br>-FIR | WAYPOINT<br>NAME           | MT  | ALT<br>ISA | MSA<br>WIND/SPD    | FREQ<br>GS | TAS<br>REM | LEG<br>REM                      | FUEL<br>POSITION                | REM / USED | LEG<br>ETO / ATO | ACC |
|-------------|----------------------------|-----|------------|--------------------|------------|------------|---------------------------------|---------------------------------|------------|------------------|-----|
|             | OMAA/31L<br>ABU DHABI INTL |     | 83         | 021                |            |            |                                 | 120.8 / 1.1<br>N2425.3 E05440.0 | 6024       | ...../.....      |     |
| BOSE1K      | AA820                      | 306 | *CLB       | 021<br>P10 211/003 |            | 10<br>6014 | 119.1 / 2.8<br>N2431.5 E05431.4 | 04 00.04<br>...../.....         |            |                  |     |
| BOSE1K      | OBTOL                      | 306 | *CLB       | 021<br>P12 225/009 |            | 8<br>6006  | 118.6 / 3.4<br>N2436.4 E05424.4 | 01 00.05<br>...../.....         |            |                  |     |
| BOSE1K      | PUXUT                      | 306 | *CLB       | 021<br>P12 230/011 |            | 3<br>6003  | 118.4 / 3.5<br>N2438.2 E05421.8 | 01 00.06<br>...../.....         |            |                  |     |
| BOSE1K      | BOSEV                      | 306 | *CLB       | 021<br>P12 242/025 |            | 20<br>5983 | 117.4 / 4.5<br>N2450.2 E05404.8 | 03 00.09<br>...../.....         |            |                  |     |
| N563        | *TOC                       | 300 | FL220      | 021<br>P11 250/034 | 462<br>439 | 11<br>5973 | 116.9 / 5.0<br>N2455.9 E05354.7 | 02 00.11<br>...../.....         |            |                  |     |
| N563        | ITKEV                      | 299 | FL220      | 019<br>P11 250/035 | 462<br>439 | 10<br>5963 | 116.7 / 5.2<br>N2501.1 E05345.4 | 01 00.12<br>...../.....         |            |                  |     |
| N563        | KUSBA                      | 314 | FL220      | 015<br>P11 248/035 | 462<br>447 | 22<br>5941 | 116.3 / 5.6<br>N2516.6 E05328.8 | 03 00.15<br>...../.....         |            |                  |     |

|                |       |     |       |         |     |      |                  |             |       |
|----------------|-------|-----|-------|---------|-----|------|------------------|-------------|-------|
| N563           | TAGDU | 313 | FL220 | 015     | 462 | 9    | 116.2 / 5.8      | 01          | 00.16 |
|                |       |     | P11   | 248/035 | 447 | 5932 | N2523.0 E05321.9 | ...../..... |       |
| N563           | IMGUX | 313 | FL220 | 015     | 462 | 10   | 116.0 / 6.0      | 01          | 00.17 |
|                |       |     | P10   | 247/036 | 447 | 5922 | N2529.8 E05314.5 | ...../..... |       |
| N563<br>-OB BB | ALPOB | 313 | FL220 | 015     | 461 | 17   | 115.6 / 6.3      | 03          | 00.20 |
|                |       |     | P10   | 246/036 | 447 | 5905 | N2542.3 E05300.9 | ...../..... |       |
| UL768          | ROTAG | 295 | FL220 | 016     | 461 | 25   | 115.2 / 6.8      | 03          | 00.23 |
|                |       |     | P10   | 246/038 | 437 | 5880 | N2553.9 E05236.4 | ...../..... |       |
| UL768          | ITMUB | 294 | FL220 | 016     | 461 | 12   | 114.9 / 7.0      | 02          | 00.25 |
|                |       |     | P10   | 245/038 | 436 | 5868 | N2559.3 E05224.0 | ...../..... |       |
| UL768          | MODOG | 294 | FL220 | 016     | 461 | 25   | 114.4 / 7.5      | 03          | 00.28 |
|                |       |     | P10   | 246/039 | 435 | 5843 | N2610.2 E05159.6 | ...../..... |       |
| UL768          | RAMKI | 294 | FL220 | 015     | 461 | 3    | 114.4 / 7.6      | 01          | 00.29 |
|                |       |     | P10   | 246/039 | 435 | 5840 | N2611.6 E05156.4 | ...../..... |       |
| UL768          | RABLA | 294 | FL220 | 015     | 461 | 8    | 114.2 / 7.7      | 01          | 00.30 |
|                |       |     | P10   | 246/039 | 434 | 5832 | N2615.1 E05148.6 | ...../..... |       |
| UL768          | SOLOB | 294 | FL220 | 015     | 461 | 17   | 113.9 / 8.1      | 02          | 00.32 |
|                |       |     | P10   | 246/039 | 434 | 5815 | N2622.7 E05131.5 | ...../..... |       |
| UL768          | ALREP | 287 | FL220 | 015     | 461 | 9    | 113.7 / 8.2      | 01          | 00.33 |
|                |       |     | P09   | 246/039 | 431 | 5806 | N2625.7 E05122.2 | ...../..... |       |
| UL768          | ORDIG | 287 | FL220 | 015     | 460 | 6    | 113.6 / 8.4      | 01          | 00.34 |
|                |       |     | P09   | 246/039 | 431 | 5800 | N2627.6 E05116.1 | ...../..... |       |
| UL768          | MEDMA | 287 | FL220 | 025     | 460 | 20   | 113.2 / 8.7      | 03          | 00.37 |
|                |       |     | P09   | 246/039 | 431 | 5780 | N2634.4 E05054.9 | ...../..... |       |
|                | OKBK  | 286 | FL220 | 025     |     | 2    | 113.2 / 8.8      | 00          | 00.37 |
|                |       |     | P07   | 253/038 |     | 5778 | N2635.2 E05052.2 | ...../..... |       |
| UL768          | OBMON | 286 | FL220 | 025     | 460 | 10   | 112.9 / 9.0      | 02          | 00.39 |
|                |       |     | P09   | 246/039 | 430 | 5767 | N2638.5 E05041.4 | ...../..... |       |
| UL934          | OVUPI | 317 | FL220 | 025     | 460 | 19   | 112.6 / 9.4      | 02          | 00.41 |
|                |       |     | P09   | 245/040 | 447 | 5748 | N2653.3 E05027.5 | ...../..... |       |
| UL934          | TOKMA | 317 | FL220 | 025     | 460 | 21   | 112.2 / 9.8      | 03          | 00.44 |
|                |       |     | P08   | 245/040 | 447 | 5726 | N2709.7 E05012.0 | ...../..... |       |
| UL602          | ORSOL | 321 | FL220 | 015     | 459 | 15   | 111.9 / 10.0     | 02          | 00.46 |
|                |       |     | P08   | 244/039 | 450 | 5712 | N2721.6 E05002.1 | ...../..... |       |
| UL602          | ITNAS | 319 | FL220 | 019     | 459 | 32   | 111.3 / 10.7     | 04          | 00.50 |
|                |       |     | P08   | 244/039 | 449 | 5680 | N2746.7 E04940.0 | ...../..... |       |
| UL602          | ENAVI | 319 | FL220 | 019     | 459 | 12   | 111.1 / 10.9     | 02          | 00.52 |
|                |       |     | P07   | 244/038 | 449 | 5668 | N2755.9 E04931.9 | ...../..... |       |
| UL602          | DAMUR | 318 | FL220 | 019     | 458 | 7    | 110.9 / 11.0     | 01          | 00.53 |
|                |       |     | P07   | 244/038 | 448 | 5661 | N2801.6 E04926.6 | ...../..... |       |
| UL602<br>-OKAC | DAVUS | 318 | FL220 | 014     | 458 | 28   | 110.4 / 11.5     | 04          | 00.57 |
|                |       |     | P07   | 245/037 | 447 | 5632 | N2823.8 E04906.4 | ...../..... |       |

|                |              |     |       |         |        |      |                  |             |       |
|----------------|--------------|-----|-------|---------|--------|------|------------------|-------------|-------|
| UL602          | BOXIK        | 323 | FL220 | 021     | 457    | 30   | 109.8 / 12.1     | 04          | 01.01 |
|                |              |     | P06   | 245/036 | 450    | 5603 | N2848.2 E04847.6 | ...../..... |       |
| UL602          | RALKA        | 323 | FL220 | 022     | 457    | 46   | 109.0 / 13.0     | 06          | 01.07 |
|                |              |     | P06   | 246/033 | 450    | 5557 | N2926.2 E04818.3 | ...../..... |       |
| G795<br>-ORBB  | TASMI        | 327 | FL220 | 027     | 457    | 41   | 108.2 / 13.7     | 05          | 01.12 |
|                |              |     | P05   | 247/029 | 452    | 5516 | N3001.3 E04755.1 | ...../..... |       |
| L602           | GADSI        | 307 | FL220 | 027     | 456    | 50   | 107.3 / 14.7     | 07          | 01.19 |
|                |              |     | P05   | 251/027 | 441    | 5466 | N3034.0 E04711.3 | ...../..... |       |
| L602           | ALPET        | 307 | *CLB  | 027     |        | 59   | 106.2 / 15.8     | 08          | 01.27 |
|                |              |     | P04   | 249/029 |        | 5407 | N3112.3 E04618.7 | ...../..... |       |
|                | ORBI         | 323 | FL320 | 024     |        | 62   | 104.3 / 17.6     | 08          | 01.35 |
|                |              |     | P00   | 264/040 |        | 5345 | N3204.3 E04538.5 | ...../..... |       |
| UM860          | RESAK        | 322 | FL320 | 019     | 493    | 35   | 103.7 / 18.2     | 05          | 01.40 |
|                |              |     | P00   | 243/045 | 485    | 5310 | N3233.1 E04515.9 | ...../..... |       |
|                | ORER         | 322 | FL320 | 019     |        | 30   | 103.2 / 18.7     | 03          | 01.43 |
|                |              |     | P00   | 260/040 |        | 5280 | N3258.3 E04455.8 | ...../..... |       |
| UM860          | SEPTU        | 321 | FL320 | 024     | 493    | 18   | 102.9 / 19.0     | 02          | 01.45 |
|                |              |     | P00   | 237/045 | 488    | 5262 | N3313.0 E04444.0 | ...../..... |       |
| UM860          | NAMDI        | 354 | FL320 | 036     | 491    | 78   | 101.7 / 20.2     | 10          | 01.55 |
|                |              |     | M01   | 232/041 | 514    | 5184 | N3430.5 E04441.6 | ...../..... |       |
| UM860          | TOTAM        | 354 | FL320 | 071     | 491    | 46   | 101.0 / 21.0     | 05          | 02.00 |
|                |              |     | M02   | 227/040 | 515    | 5138 | N3516.0 E04440.1 | ...../..... |       |
| UM860          | DARIX        | 333 | FL320 | 143     | 490    | 98   | 99.4 / 22.5      | 12          | 02.12 |
|                |              |     | M02   | 227/047 | 506    | 5040 | N3646.7 E04353.9 | ...../..... |       |
| UM860<br>-LTAA | NINVA        | 311 | FL320 | 160     | 491    | 47   | 98.6 / 23.3      | 05          | 02.17 |
|                |              |     | M03   | 231/049 | 485    | 4993 | N3721.0 E04313.0 | ...../..... |       |
| UM860          | SRT<br>SIIRT | 293 | FL320 | 160     | 114.30 | 491  | 97.4 / 24.6      | 10          | 02.27 |
|                |              |     | M03   | 235/052 | 466    | 4921 | N3754.6 E04152.9 | ...../..... |       |
|                | LTCG         | 306 | FL320 | 122     |        | 41   | 96.7 / 25.3      | 05          | 02.32 |
|                |              |     | M04   | 266/031 |        | 4880 | N3821.9 E04113.5 | ...../..... |       |
| UM860          | RENGI        | 305 | FL320 | 122     | 490    | 9    | 96.5 / 25.4      | 01          | 02.33 |
|                |              |     | M04   | 238/051 | 472    | 4870 | N3827.8 E04104.8 | ...../..... |       |
| UM860          | NAREN        | 304 | FL320 | 122     | 490    | 16   | 96.2 / 25.7      | 02          | 02.35 |
|                |              |     | M04   | 239/050 | 471    | 4855 | N3837.8 E04049.5 | ...../..... |       |
| UM860          | TALIL        | 304 | FL320 | 141     | 489    | 52   | 95.3 / 26.6      | 07          | 02.42 |
|                |              |     | M04   | 242/043 | 471    | 4803 | N3911.3 E03958.3 | ...../..... |       |
| UM860          | KONUJ        | 304 | FL320 | 141     | 489    | 30   | 94.8 / 27.1      | 03          | 02.45 |
|                |              |     | M05   | 246/040 | 470    | 4772 | N3930.7 E03928.1 | ...../..... |       |
| UM860          | EBEDI        | 303 | FL320 | 141     | 489    | 20   | 94.5 / 27.5      | 03          | 02.48 |
|                |              |     | M05   | 250/038 | 469    | 4752 | N3943.5 E03907.4 | ...../..... |       |
| UM860          | ODALI        | 303 | FL320 | 141     | 489    | 58   | 93.5 / 28.5      | 08          | 02.56 |
|                |              |     | M05   | 262/036 | 464    | 4694 | N4019.7 E03809.0 | ...../..... |       |
| UL852          | NELPO        | 285 | FL320 | 127     | 490    | 23   | 93.1 / 28.9      | 03          | 02.59 |

|       |       |     |       |                      |                  |             |
|-------|-------|-----|-------|----------------------|------------------|-------------|
|       |       |     |       | M05 270/036 458 4671 | N4028.2 E03740.6 | ...../..... |
| UL852 | APVAS | 285 | FL320 | 117 491 49           | 92.2 / 29.7      | 06 03.05    |
|       |       |     |       | M04 288/040 453 4622 | N4045.9 E03640.1 | ...../..... |
| UL852 | USANU | 284 | FL320 | 112 492 29           | 91.7 / 30.3      | 04 03.09    |
|       |       |     |       | M04 295/043 448 4592 | N4056.1 E03603.8 | ...../..... |
| UL852 | ODPOT | 284 | FL320 | 112 492 10           | 91.5 / 30.4      | 01 03.10    |
|       |       |     |       | M04 297/044 448 4583 | N4059.4 E03552.0 | ...../..... |
| UL852 | RUXEV | 284 | FL320 | 096 492 48           | 90.6 / 31.3      | 07 03.17    |
|       |       |     |       | M04 305/047 447 4534 | N4115.8 E03451.7 | ...../..... |
| UL852 | EKSUK | 283 | FL320 | 094 492 25           | 90.2 / 31.8      | 03 03.20    |
|       |       |     |       | M04 308/049 445 4509 | N4124.2 E03420.2 | ...../..... |
| UL852 | UPKAG | 283 | FL320 | 094 492 10           | 90.0 / 31.9      | 01 03.21    |
|       |       |     |       | M04 309/050 445 4500 | N4127.3 E03408.1 | ...../..... |
|       | LTBA  | 283 | FL320 | 109 18               | 89.7 / 32.3      | 03 03.24    |
|       |       |     |       | M05 306/060 4482     | N4133.0 E03346.0 | ...../..... |
| UL852 | VAXEB | 283 | FL320 | 109 492 9            | 89.5 / 32.4      | 01 03.25    |
|       |       |     |       | M04 311/052 443 4473 | N4135.8 E03334.7 | ...../..... |
| UL852 | ESOSU | 283 | FL320 | 109 492 2            | 89.5 / 32.5      | 00 03.25    |
|       |       |     |       | M04 311/052 443 4471 | N4136.4 E03332.3 | ...../..... |
| UL852 | TIVUG | 282 | FL320 | 109 492 24           | 89.1 / 32.9      | 04 03.29    |
|       |       |     |       | M04 312/053 443 4447 | N4144.0 E03301.9 | ...../..... |
| UL852 | EVPUV | 282 | FL320 | 109 492 13           | 88.8 / 33.1      | 01 03.30    |
|       |       |     |       | M04 313/054 442 4434 | N4148.0 E03245.6 | ...../..... |
| UL852 | DEVMU | 282 | FL320 | 089 492 14           | 88.6 / 33.4      | 02 03.32    |
|       |       |     |       | M04 314/056 442 4420 | N4152.4 E03227.7 | ...../..... |
| UL852 | EVPIM | 282 | FL320 | 089 492 4            | 88.5 / 33.5      | 01 03.33    |
|       |       |     |       | M04 315/057 441 4416 | N4153.7 E03222.0 | ...../..... |
| UL852 | BEDOP | 282 | FL320 | 089 492 6            | 88.4 / 33.6      | 01 03.34    |
|       |       |     |       | M04 315/058 441 4410 | N4155.6 E03214.0 | ...../..... |
| UL852 | MODAU | 282 | FL320 | 089 492 16           | 88.1 / 33.9      | 02 03.36    |
|       |       |     |       | M04 316/060 440 4393 | N4200.6 E03153.2 | ...../..... |
| UL852 | ODMAX | 281 | FL320 | 010 492 23           | 87.7 / 34.3      | 03 03.39    |
|       |       |     |       | M04 315/062 439 4371 | N4207.3 E03124.2 | ...../..... |
| UL852 | *BDRY | 281 | FL320 | 010 492 19           | 87.3 / 34.6      | 02 03.41    |
| -LTBB |       |     |       | M04 315/062 437 4352 | N4212.8 E03100.0 | ...../..... |
| UL852 | NEGEM | 281 | FL320 | 010 492 52           | 86.4 / 35.6      | 08 03.49    |
| -LBSR |       |     |       | M05 314/065 434 4300 | N4227.7 E02952.2 | ...../..... |
| T746  | MATEL | 301 | FL320 | 025 493 60           | 85.2 / 36.7      | 08 03.57    |
|       |       |     |       | M05 313/070 423 4240 | N4303.6 E02847.5 | ...../..... |
| T746  | ARGES | 300 | FL320 | 031 493 105          | 83.2 / 38.7      | 15 04.12    |
| -LRBB |       |     |       | M05 306/076 416 4135 | N4404.9 E02649.6 | ...../..... |
|       | LROP  | 316 | FL320 | 026 8                | 83.1 / 38.9      | 01 04.13    |
|       |       |     |       | M06 287/078 4127     | N4410.9 E02643.1 | ...../..... |

|               |       |     |       |             |     |      |                  |             |       |
|---------------|-------|-----|-------|-------------|-----|------|------------------|-------------|-------|
| L619          | ASNEL | 316 | FL320 | 026         | 493 | 27   | 82.6 / 39.4      | 04          | 04.17 |
|               |       |     |       | M06 303/076 | 420 | 4100 | N4432.2 E02619.8 | ...../..... |       |
| L619          | BUKEL | 316 | FL320 | 106         | 493 | 41   | 81.8 / 40.2      | 06          | 04.23 |
|               |       |     |       | M06 300/076 | 420 | 4058 | N4504.7 E02543.6 | ...../..... |       |
| L619          | PELUR | 316 | FL320 | 106         | 492 | 16   | 81.5 / 40.5      | 02          | 04.25 |
|               |       |     |       | M06 298/076 | 420 | 4042 | N4517.2 E02529.3 | ...../..... |       |
| L619          | EDETA | 315 | FL320 | 107         | 492 | 37   | 80.8 / 41.2      | 06          | 04.31 |
|               |       |     |       | M06 295/077 | 421 | 4005 | N4546.1 E02455.9 | ...../..... |       |
| L619          | MOBRA | 315 | FL320 | 107         | 492 | 7    | 80.6 / 41.3      | 01          | 04.32 |
|               |       |     |       | M06 294/077 | 422 | 3998 | N4551.9 E02449.2 | ...../..... |       |
| L619          | REBLA | 315 | FL320 | 107         | 492 | 70   | 79.3 / 42.7      | 10          | 04.42 |
|               |       |     |       | M06 289/078 | 423 | 3928 | N4645.6 E02344.7 | ...../..... |       |
| L619          | LARMU | 314 | FL320 | 084         | 491 | 39   | 78.6 / 43.4      | 05          | 04.47 |
|               |       |     |       | M07 285/077 | 424 | 3889 | N4715.0 E02308.2 | ...../..... |       |
|               | LHBP  | 314 | FL320 | 072         |     | 5    | 78.5 / 43.5      | 01          | 04.48 |
|               |       |     |       | M07 279/079 |     | 3884 | N4718.9 E02303.3 | ...../..... |       |
| L619<br>-LHCC | KARIL | 314 | FL320 | 072         | 491 | 38   | 77.8 / 44.2      | 05          | 04.53 |
|               |       |     |       | M07 282/075 | 426 | 3846 | N4747.6 E02226.5 | ...../..... |       |
| DCT<br>-LZBB  | KEKED | 308 | *CLB  | 072         |     | 64   | 76.6 / 45.4      | 09          | 05.02 |
|               |       |     |       | M08 278/072 |     | 3782 | N4831.4 E02117.5 | ...../..... |       |
|               | EPWA  | 312 | FL340 | 111         |     | 44   | 75.7 / 46.2      | 06          | 05.08 |
|               |       |     |       | M08 283/061 |     | 3739 | N4903.6 E02032.4 | ...../..... |       |
| DCT<br>-EPWW  | KELEL | 312 | FL340 | 111         | 484 | 21   | 75.3 / 46.6      | 03          | 05.11 |
|               |       |     |       | M08 273/076 | 425 | 3717 | N4918.8 E02010.5 | ...../..... |       |
| P193          | ELGOX | 311 | *CLB  | 111         |     | 104  | 73.5 / 48.4      | 15          | 05.26 |
|               |       |     |       | M07 267/065 |     | 3613 | N5033.9 E01818.1 | ...../..... |       |
| P193          | VAGON | 310 | FL360 | 075         | 483 | 63   | 72.4 / 49.6      | 09          | 05.35 |
|               |       |     |       | M02 276/051 | 441 | 3550 | N5118.5 E01706.9 | ...../..... |       |
| T710          | VELAB | 301 | FL360 | 029         | 483 | 17   | 72.1 / 49.9      | 02          | 05.37 |
|               |       |     |       | M02 279/048 | 438 | 3533 | N5128.2 E01644.9 | ...../..... |       |
| T710          | KULUV | 300 | FL360 | 029         | 483 | 19   | 71.8 / 50.2      | 02          | 05.39 |
|               |       |     |       | M02 284/046 | 439 | 3514 | N5138.9 E01620.4 | ...../..... |       |
| T710          | OLUMA | 300 | FL360 | 030         | 484 | 26   | 71.3 / 50.6      | 04          | 05.43 |
|               |       |     |       | M01 293/043 | 441 | 3488 | N5153.8 E01545.4 | ...../..... |       |
|               | ETNL  | 300 | FL360 | 030         |     | 5    | 71.2 / 50.7      | 01          | 05.44 |
|               |       |     |       | M02 358/062 |     | 3483 | N5156.8 E01538.3 | ...../..... |       |
| T710          | SUBIX | 300 | FL360 | 030         | 483 | 47   | 70.5 / 51.5      | 06          | 05.50 |
|               |       |     |       | M02 311/043 | 440 | 3436 | N5222.8 E01435.1 | ...../..... |       |
| DCT<br>-EDUU  | *BDRY | 303 | FL360 | 020         | 483 | 2    | 70.4 / 51.5      | 00          | 05.50 |
|               |       |     |       | M02 309/043 | 440 | 3433 | N5224.2 E01432.1 | ...../..... |       |
| DCT           | BERIM | 303 | FL360 | 025         | 483 | 136  | 68.2 / 53.8      | 19          | 06.09 |
|               |       |     |       | M03 337/058 | 434 | 3297 | N5343.6 E01128.1 | ...../..... |       |

|              |              |     |             |          |                  |             |
|--------------|--------------|-----|-------------|----------|------------------|-------------|
| DCT<br>-EDVV | <b>*BDRY</b> | 304 | FL360 025   | 483 11   | 68.0 / 54.0      | 02 06.11    |
|              |              |     | M03 337/059 | 433 3286 | N5350.2 E01113.6 | ...../..... |
|              |              |     |             |          |                  |             |
| DCT<br>-EKDK | <b>ATTUS</b> | 304 | FL360 025   | 483 107  | 66.2 / 55.8      | 15 06.26    |
|              |              |     | M03 347/082 | 422 3179 | N5454.0 E00847.0 | ...../..... |
|              |              |     |             |          |                  |             |
| DCT          | <b>DOREV</b> | 311 | FL360 022   | 484 56   | 65.2 / 56.8      | 08 06.34    |
|              |              |     | M03 348/095 | 406 3123 | N5532.0 E00735.0 | ...../..... |
|              |              |     |             |          |                  |             |
| DCT<br>-EGPX | <b>VAXIT</b> | 304 | FL360 010   | 485 106  | 63.3 / 58.7      | 16 06.50    |
|              |              |     | M04 347/116 | 394 3018 | N5632.3 E00500.0 | ...../..... |
|              |              |     |             |          |                  |             |
|              | <b>EGPF</b>  | 301 | FL360 010   | 37       | 62.6 / 59.3      | 05 06.55    |
|              |              |     | M04 345/085 | 2981     | N5651.8 E00403.4 | ...../..... |
|              |              |     |             |          |                  |             |
| UP60         | <b>ARTEX</b> | 301 | FL360 014   | 484 4    | 62.5 / 59.4      | 01 06.56    |
|              |              |     | M04 346/118 | 393 2977 | N5653.7 E00357.6 | ...../..... |
|              |              |     |             |          |                  |             |
| UP60         | <b>LAMRO</b> | 301 | FL360 014   | 484 16   | 62.3 / 59.7      | 02 06.58    |
|              |              |     | M04 345/119 | 393 2962 | N5701.9 E00333.2 | ...../..... |
|              |              |     |             |          |                  |             |
| UP60         | <b>FORTY</b> | 301 | FL360 015   | 485 110  | 60.2 / 61.7      | 17 07.15    |
|              |              |     | M04 338/121 | 386 2851 | N5757.0 E00035.8 | ...../..... |
|              |              |     |             |          |                  |             |
| UM86         | <b>SOXON</b> | 296 | FL360 036   | 486 153  | 57.4 / 64.6      | 24 07.39    |
|              |              |     | M04 323/110 | 387 2698 | N5858.1 W00352.4 | ...../..... |

----- 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<br>-EGGX | <b>ORTAV</b>            | 285 | FL360 045   | 486 191  | 54.0 / 67.9      | 29 08.08    |
|              |                         |     | M03 301/090 | 401 2507 | N5930.0 W01000.0 | ...../..... |
|              |                         |     |             |          |                  |             |
|              | <b>BIKF</b>             | 307 | FL360 010   | 116      | 52.0 / 70.0      | 17 08.25    |
|              |                         |     | M03 253/074 | 2391     | N6027.9 W01320.9 | ...../..... |
|              |                         |     |             |          |                  |             |
| DCT<br>-BIRD | <b>*BDRY</b>            | 306 | FL360 010   | 486 69   | 50.7 / 71.2      | 11 08.36    |
|              |                         |     | M03 277/088 | 401 2322 | N6100.1 W01526.6 | ...../..... |
|              |                         |     |             |          |                  |             |
| DCT          | <b>6220N</b><br>62N020W | 305 | FL360 010   | 486 144  | 48.3 / 73.7      | 21 08.57    |
|              |                         |     | M03 256/089 | 411 2178 | N6200.0 W02000.0 | ...../..... |
|              |                         |     |             |          |                  |             |
| DCT<br>-CZQX | <b>6130N</b><br>61N030W | 274 | *CLB 010    | 293      | 43.2 / 78.7      | 44 09.41    |
|              |                         |     | M04 223/100 | 1885     | N6100.0 W03000.0 | ...../..... |

----- ETOPS ENTRY (BIKF) 0179 NM BEFORE 5940N EET 10:04 -----

|     |                            |     |             |          |                  |             |
|-----|----------------------------|-----|-------------|----------|------------------|-------------|
| DCT | <b>5940N</b><br>59N040W    | 266 | FL380 010   | 485 323  | 37.5 / 84.4      | 50 10.31    |
|     |                            |     | M04 194/103 | 410 1562 | N5900.0 W04000.0 | ...../..... |
|     |                            |     |             |          |                  |             |
|     | <b>*ETP 1</b><br>BIKF/CYYR | 273 | FL380 010   | 488 165  | 35.1 / 86.9      | 23 10.54    |
|     |                            |     | P02 198/059 | 448 1397 | N5807.7 W04459.2 | ...../..... |
|     |                            |     |             |          |                  |             |
| DCT | <b>5750N</b><br>57N050W    | 270 | FL380 010   | 491 175  | 32.6 / 89.3      | 23 11.17    |
|     |                            |     | P05 211/035 | 462 1222 | N5700.0 W05000.0 | ...../..... |

----- ETOPS EXIT (CYYR) 0249 NM BEFORE HOIST EET 11:19 -----

|        |                |     |       |             |               |     |                  |             |       |
|--------|----------------|-----|-------|-------------|---------------|-----|------------------|-------------|-------|
| DCT    | <b>HOIST</b>   | 267 | FL380 | 010         | 495           | 263 | 29.0 / 92.9      | 34          | 11.51 |
|        |                |     |       | P07 277/032 | 469           | 959 | N5502.0 W05700.0 | ...../..... |       |
| N596A  | <b>*BDRY</b>   | 246 | FL380 | 053         | 492           | 319 | 24.9 / 97.1      | 40          | 12.31 |
| -CZUL  |                |     |       | P05 295/039 | 480           | 640 | N5104.8 W06253.7 | ...../..... |       |
|        | <b>KBGR</b>    | 239 | FL380 | 055         |               | 152 | 22.9 / 99.0      | 19          | 12.50 |
|        |                |     |       | M02 244/011 |               | 488 | N4905.7 W06521.8 | ...../..... |       |
| N596A  | <b>*BDRY</b>   | 236 | FL380 | 056         | 491           | 91  | 21.8 / 100.2     | 11          | 13.01 |
| -CZQM  |                |     |       | P02 287/034 | 479           | 396 | N4752.9 W06644.8 | ...../..... |       |
| N596A  | <b>TAFFY</b>   | 234 | FL380 | 046         | 490           | 39  | 21.3 / 100.7     | 05          | 13.06 |
|        |                |     |       | P02 281/033 | 475           | 358 | N4722.4 W06718.2 | ...../..... |       |
| DCT    | <b>*BDRY</b>   | 239 | FL380 | 046         | 490           | 30  | 20.9 / 101.1     | 04          | 13.10 |
| -KZBW  |                |     |       | P01 278/033 | 472           | 328 | N4700.2 W06747.7 | ...../..... |       |
| DCT    | <b>PQI</b>     | 239 | FL380 | 070         | <b>116.40</b> | 490 | 20.6 / 101.3     | 02          | 13.12 |
|        | PRESQUE ISLE   |     |       | P01 276/032 | 471           | 309 | N4646.5 W06805.7 | ...../..... |       |
| J49    | <b>BGR</b>     | 213 | FL380 | 074         | <b>114.80</b> | 488 | 19.1 / 102.9     | 16          | 13.28 |
|        | BANGOR         |     |       | M01 246/029 | 470           | 189 | N4450.5 W06852.4 | ...../..... |       |
| DCT    | <b>*TOD</b>    | 221 | FL380 | 044         | 490           | 69  | 18.2 / 103.8     | 09          | 13.37 |
|        |                |     |       | P01 237/030 | 463           | 120 | N4348.1 W06933.3 | ...../..... |       |
| DCT    | <b>AJJAY</b>   | 220 |       | *DES 018    |               | 5   | 18.2 / 103.8     | 00          | 13.37 |
|        |                |     |       | P01 231/037 |               | 115 | N4343.7 W06936.1 | ...../..... |       |
|        | <b>KBOS</b>    | 214 |       | *DES 018    |               | 21  | 18.1 / 103.8     | 03          | 13.40 |
|        |                |     |       | M03 168/033 |               | 94  | N4323.6 W06945.2 | ...../..... |       |
| OOSHN5 | <b>SUFFI</b>   | 213 |       | *DES 018    |               | 23  | 18.1 / 103.9     | 03          | 13.43 |
|        |                |     |       | P01 228/034 |               | 70  | N4301.5 W06955.0 | ...../..... |       |
| OOSHN5 | <b>NIKKO</b>   | 213 |       | *DES 021    |               | 17  | 18.0 / 103.9     | 03          | 13.46 |
|        |                |     |       | M01 226/018 |               | 53  | N4245.6 W07002.0 | ...../..... |       |
| OOSHN5 | <b>EURRO</b>   | 215 |       | *DES 021    |               | 7   | 18.0 / 104.0     | 01          | 13.47 |
|        |                |     |       | M01 225/011 |               | 46  | N4239.1 W07005.3 | ...../..... |       |
| OOSHN5 | <b>OOSHN</b>   | 260 |       | *DES 021    |               | 7   | 17.9 / 104.0     | 01          | 13.48 |
|        |                |     |       | M02 227/004 |               | 39  | N4236.1 W07013.9 | ...../..... |       |
| OOSHN5 | <b>PUDJJ</b>   | 217 |       | *DES 021    |               | 8   | 17.9 / 104.0     | 02          | 13.50 |
|        |                |     |       | M05 132/006 |               | 32  | N4228.8 W07017.8 | ...../..... |       |
| OOSHN5 | <b>AYBEE</b>   | 272 |       | *DES 021    |               | 11  | 17.8 / 104.1     | 02          | 13.52 |
|        |                |     |       | M11 109/019 |               | 21  | N4226.4 W07031.7 | ...../..... |       |
| OOSHN5 | <b>KBOS/27</b> | 272 | 19    | 021         |               | 21  | 17.4 / 104.5     | 08          | 14.00 |
|        | LOGAN INTL     |     |       |             |               |     | N4221.6 W07059.3 | ...../..... |       |

-----

# WIND INFORMATION - OBS 01/DEC 06:00

## (CLIMB)

|       |         |     |       |         |     |       |         |     |       |         |     |
|-------|---------|-----|-------|---------|-----|-------|---------|-----|-------|---------|-----|
| FL210 | 250/031 | -15 | FL260 | 260/054 | -26 | FL260 | 255/057 | -28 | FL260 | 251/053 | -30 |
| FL170 | 240/020 | -6  | FL240 | 252/042 | -22 | FL240 | 250/047 | -23 | FL240 | 246/045 | -25 |
| 13000 | 233/013 | +1  | FL220 | 248/036 | -18 | FL220 | 246/040 | -19 | FL220 | 245/039 | -21 |
| 8000  | 224/004 | +9  | FL200 | 244/031 | -13 | FL200 | 243/033 | -15 | FL200 | 244/033 | -17 |
| 4000  | 351/002 | +14 | FL180 | 239/026 | -9  | FL180 | 239/027 | -10 | FL180 | 243/027 | -12 |

## RALKA

|       |         |     |       |         |     |       |         |     |       |         |     |
|-------|---------|-----|-------|---------|-----|-------|---------|-----|-------|---------|-----|
| FL260 | 248/042 | -32 | FL360 | 251/053 | -53 | FL360 | 244/049 | -55 | FL360 | 238/051 | -57 |
| FL240 | 247/037 | -27 | FL340 | 248/050 | -52 | FL340 | 236/043 | -53 | FL340 | 231/049 | -55 |
| FL220 | 246/033 | -23 | FL320 | 244/046 | -48 | FL320 | 232/041 | -49 | FL320 | 227/048 | -51 |
| FL200 | 245/030 | -18 | FL300 | 239/041 | -44 | FL300 | 228/039 | -45 | FL300 | 223/047 | -46 |
| FL180 | 245/026 | -14 | FL280 | 239/040 | -40 | FL280 | 230/037 | -41 | FL280 | 226/045 | -42 |

## SRT

|       |         |     |       |         |     |       |         |     |       |         |     |
|-------|---------|-----|-------|---------|-----|-------|---------|-----|-------|---------|-----|
| FL360 | 243/054 | -56 | FL360 | 250/047 | -56 | FL360 | 269/041 | -56 | FL360 | 292/044 | -55 |
| FL340 | 237/053 | -55 | FL340 | 244/045 | -56 | FL340 | 266/040 | -56 | FL340 | 296/044 | -55 |
| FL320 | 235/053 | -51 | FL320 | 242/044 | -53 | FL320 | 263/036 | -53 | FL320 | 296/044 | -53 |
| FL300 | 234/052 | -48 | FL300 | 240/043 | -50 | FL300 | 258/032 | -51 | FL300 | 295/043 | -50 |
| FL280 | 236/048 | -44 | FL280 | 237/040 | -45 | FL280 | 255/030 | -46 | FL280 | 288/039 | -46 |

## VAXEB

|       |         |     |       |         |     |       |         |     |       |         |     |
|-------|---------|-----|-------|---------|-----|-------|---------|-----|-------|---------|-----|
| FL360 | 305/057 | -57 | FL360 | 310/063 | -58 | FL360 | 308/071 | -59 | FL360 | 304/078 | -60 |
| FL340 | 310/058 | -56 | FL340 | 314/065 | -56 | FL340 | 312/075 | -57 | FL340 | 306/082 | -58 |
| FL320 | 311/052 | -53 | FL320 | 316/062 | -53 | FL320 | 313/071 | -53 | FL320 | 307/076 | -54 |
| FL300 | 312/046 | -50 | FL300 | 317/059 | -49 | FL300 | 314/066 | -49 | FL300 | 308/070 | -49 |
| FL280 | 314/044 | -46 | FL280 | 318/054 | -45 | FL280 | 314/061 | -45 | FL280 | 308/065 | -45 |

## EDETA

|       |         |     |       |         |     |       |         |     |       |         |     |
|-------|---------|-----|-------|---------|-----|-------|---------|-----|-------|---------|-----|
| FL360 | 295/083 | -61 | FL360 | 286/084 | -61 | FL380 | 275/072 | -61 | FL400 | 281/050 | -59 |
| FL340 | 295/084 | -59 | FL340 | 286/086 | -60 | FL360 | 274/074 | -61 | FL380 | 278/050 | -59 |
| FL320 | 295/077 | -54 | FL320 | 286/078 | -55 | FL340 | 273/076 | -61 | FL360 | 276/051 | -58 |
| FL300 | 296/070 | -50 | FL300 | 285/068 | -51 | FL320 | 272/071 | -57 | FL340 | 274/053 | -58 |
| FL280 | 295/064 | -45 | FL280 | 285/062 | -46 | FL300 | 272/066 | -53 | FL320 | 270/054 | -55 |

## SUBIX

|       |         |     |       |         |     |       |         |     |       |         |     |
|-------|---------|-----|-------|---------|-----|-------|---------|-----|-------|---------|-----|
| FL400 | 304/044 | -59 | FL400 | 332/055 | -61 | FL400 | 345/074 | -62 | FL400 | 346/105 | -65 |
| FL380 | 307/043 | -59 | FL380 | 336/058 | -60 | FL380 | 347/079 | -61 | FL380 | 347/114 | -63 |
| FL360 | 311/044 | -58 | FL360 | 338/059 | -59 | FL360 | 348/082 | -59 | FL360 | 347/117 | -60 |
| FL340 | 315/045 | -57 | FL340 | 339/060 | -58 | FL340 | 348/085 | -57 | FL340 | 348/120 | -56 |
| FL320 | 321/045 | -54 | FL320 | 340/060 | -55 | FL320 | 347/079 | -54 | FL320 | 347/111 | -52 |

## FORTY

|       |         |     |       |         |     |       |         |     |       |         |     |
|-------|---------|-----|-------|---------|-----|-------|---------|-----|-------|---------|-----|
| FL400 | 337/120 | -68 | FL400 | 322/112 | -69 | FL400 | 300/093 | -69 | FL400 | 257/092 | -69 |
| FL380 | 338/125 | -65 | FL380 | 322/114 | -65 | FL380 | 301/092 | -64 | FL380 | 256/092 | -65 |
| FL360 | 339/121 | -60 | FL360 | 323/111 | -60 | FL360 | 302/090 | -59 | FL360 | 256/089 | -60 |
| FL340 | 340/117 | -55 | FL340 | 324/108 | -54 | FL340 | 303/088 | -54 | FL340 | 256/086 | -54 |
| FL320 | 339/108 | -50 | FL320 | 323/098 | -50 | FL320 | 302/084 | -49 | FL320 | 258/082 | -49 |

## 5940N

|       |         |     |       |         |     |       |         |     |       |         |     |
|-------|---------|-----|-------|---------|-----|-------|---------|-----|-------|---------|-----|
| FL420 | 200/074 | -59 | FL420 | 219/030 | -52 | FL420 | 276/030 | -50 | FL420 | 287/030 | -54 |
| FL400 | 197/089 | -60 | FL400 | 215/032 | -52 | FL400 | 277/031 | -50 | FL400 | 285/031 | -55 |
| FL380 | 194/104 | -60 | FL380 | 211/035 | -52 | FL380 | 277/033 | -49 | FL380 | 282/034 | -55 |
| FL360 | 190/115 | -58 | FL360 | 208/042 | -54 | FL360 | 277/033 | -50 | FL360 | 277/038 | -54 |
| FL340 | 187/129 | -55 | FL340 | 205/048 | -55 | FL340 | 276/034 | -50 | FL340 | 273/044 | -53 |

## BGR

|       |         |     |       |         |     |
|-------|---------|-----|-------|---------|-----|
| FL420 | 256/025 | -56 | FL370 | 275/078 | -58 |
| FL400 | 251/027 | -57 | FL300 | 278/066 | -46 |
| FL380 | 246/030 | -57 | FL220 | 274/049 | -27 |

## IMGUX

|       |         |     |
|-------|---------|-----|
| FL260 | 260/054 | -26 |
| FL240 | 252/042 | -22 |
| FL220 | 248/036 | -18 |
| FL200 | 244/031 | -13 |
| FL180 | 239/026 | -9  |

## RESAK

|       |         |     |
|-------|---------|-----|
| FL360 | 251/053 | -53 |
| FL340 | 248/050 | -52 |
| FL320 | 244/046 | -48 |
| FL300 | 239/041 | -44 |
| FL280 | 239/040 | -40 |

## TALIL

|       |         |     |
|-------|---------|-----|
| FL360 | 250/047 | -56 |
| FL340 | 244/045 | -56 |
| FL320 | 242/044 | -53 |
| FL300 | 240/043 | -50 |
| FL280 | 237/040 | -45 |

## ODMAX

|       |         |     |
|-------|---------|-----|
| FL360 | 310/063 | -58 |
| FL340 | 314/065 | -56 |
| FL320 | 316/062 | -53 |
| FL300 | 317/059 | -49 |
| FL280 | 318/054 | -45 |

## LARMU

|       |         |     |
|-------|---------|-----|
| FL360 | 286/084 | -61 |
| FL340 | 286/086 | -60 |
| FL320 | 286/078 | -55 |
| FL300 | 285/068 | -51 |
| FL280 | 285/062 | -46 |

## BERIM

|       |         |     |
|-------|---------|-----|
| FL400 | 332/055 | -61 |
| FL380 | 336/058 | -60 |
| FL360 | 338/059 | -59 |
| FL340 | 339/060 | -58 |
| FL320 | 340/060 | -55 |

## SOXON

|       |         |     |
|-------|---------|-----|
| FL400 | 322/112 | -69 |
| FL380 | 322/114 | -65 |
| FL360 | 323/111 | -60 |
| FL340 | 324/108 | -54 |
| FL320 | 323/098 | -50 |

## 5750N

|       |         |     |
|-------|---------|-----|
| FL420 | 219/030 | -52 |
| FL400 | 215/032 | -52 |
| FL380 | 211/035 | -52 |
| FL360 | 208/042 | -54 |
| FL340 | 205/048 | -55 |

## SOLOB

|       |         |     |
|-------|---------|-----|
| FL260 | 255/057 | -28 |
| FL240 | 250/047 | -23 |
| FL220 | 246/040 | -19 |
| FL200 | 243/033 | -15 |
| FL180 | 239/027 | -10 |

## NAMDI

|       |         |     |
|-------|---------|-----|
| FL360 | 244/049 | -55 |
| FL340 | 236/043 | -53 |
| FL320 | 232/041 | -49 |
| FL300 | 228/039 | -45 |
| FL280 | 230/037 | -41 |

## ODALI

|       |         |     |
|-------|---------|-----|
| FL360 | 269/041 | -56 |
| FL340 | 266/040 | -56 |
| FL320 | 263/036 | -53 |
| FL300 | 258/032 | -51 |
| FL280 | 255/030 | -46 |

## MATEL

|       |         |     |
|-------|---------|-----|
| FL360 | 308/071 | -59 |
| FL340 | 312/075 | -57 |
| FL320 | 313/071 | -53 |
| FL300 | 314/066 | -49 |
| FL280 | 314/061 | -45 |

## KELEL

|       |         |     |
|-------|---------|-----|
| FL380 | 275/072 | -61 |
| FL360 | 274/074 | -61 |
| FL340 | 273/076 | -61 |
| FL320 | 272/071 | -57 |
| FL300 | 272/066 | -53 |

## ATTUS

|       |         |     |
|-------|---------|-----|
| FL400 | 345/074 | -62 |
| FL380 | 347/079 | -61 |
| FL360 | 348/082 | -59 |
| FL340 | 348/085 | -57 |
| FL320 | 347/079 | -54 |

## ORTAV

|       |         |     |
|-------|---------|-----|
| FL400 | 300/093 | -69 |
| FL380 | 301/092 | -64 |
| FL360 | 302/090 | -59 |
| FL340 | 303/088 | -54 |
| FL320 | 302/084 | -49 |

## HOIST

|       |         |     |
|-------|---------|-----|
| FL420 | 276/030 | -50 |
| FL400 | 277/031 | -50 |
| FL380 | 277/033 | -49 |
| FL360 | 277/033 | -50 |
| FL340 | 276/034 | -50 |

## ITNAS

|       |         |     |
|-------|---------|-----|
| FL260 | 251/053 | -30 |
| FL240 | 246/045 | -25 |
| FL220 | 245/039 | -21 |
| FL200 | 244/033 | -17 |
| FL180 | 243/027 | -12 |

## DARIX

|       |         |     |
|-------|---------|-----|
| FL360 | 238/051 | -57 |
| FL340 | 231/049 | -55 |
| FL320 | 227/048 | -51 |
| FL300 | 223/047 | -46 |
| FL280 | 226/045 | -42 |

## USANU

|       |         |     |
|-------|---------|-----|
| FL360 | 292/044 | -55 |
| FL340 | 296/044 | -55 |
| FL320 | 296/044 | -53 |
| FL300 | 295/043 | -50 |
| FL280 | 288/039 | -46 |

## ARGES

|       |         |     |
|-------|---------|-----|
| FL360 | 304/078 | -60 |
| FL340 | 306/082 | -58 |
| FL320 | 307/076 | -54 |
| FL300 | 308/070 | -49 |
| FL280 | 308/065 | -45 |

## VAGON

|       |         |     |
|-------|---------|-----|
| FL400 | 281/050 | -59 |
| FL380 | 278/050 | -59 |
| FL360 | 276/051 | -58 |
| FL340 | 274/053 | -58 |
| FL320 | 270/054 | -55 |

## VAXIT

|       |         |     |
|-------|---------|-----|
| FL400 | 346/105 | -65 |
| FL380 | 347/114 | -63 |
| FL360 | 347/117 | -60 |
| FL340 | 348/120 | -56 |
| FL320 | 347/111 | -52 |

## 6220N

|       |         |     |
|-------|---------|-----|
| FL400 | 257/092 | -69 |
| FL380 | 256/092 | -65 |
| FL360 | 256/089 | -60 |
| FL340 | 256/086 | -54 |
| FL320 | 258/082 | -49 |

## TAFFY

|       |         |     |
|-------|---------|-----|
| FL420 | 287/030 | -54 |
| FL400 | 285/031 | -55 |
| FL380 | 282/034 | -55 |
| FL360 | 277/038 | -54 |
| FL340 | 273/044 | -53 |

FL360 244/035 -56 15000 277/033 -15  
FL340 241/041 -55 7000 257/006 -7

-----  
END FLIGHTPLAN 03578 TCC321B PJTGD OMAA-KBOS 01DEC2019

[ATC FLIGHTPLAN]

(FPL-TCC321B-IS  
-B77L/H-SDE1FGHIJ1J5M1RWXY/LB2  
-OMAA2015  
-N0462F220 BOSE1K BOSEV N563 ALPOB UL768 OBMON UL934 TOKMA UL602  
RALKA G795 TASMI L602 ALPET/N0493F320 UM860 ODALI UL852 NEGEM  
T746 ARGES L619 KARIL DCT KEKED/N0484F340 DCT KELEL P193  
ELGOX/N0480F360 P193 VAGON T710 SUBIX DCT BERIM DCT ATTUS DCT  
DOREV DCT VAXIT UP60 FORTY UM86 SOXON DCT ORTAV/M085F360 DCT  
62N020W 61N030W/N0482F380 59N040W 57N050W DCT HOIST N596A TAFFY  
DCT PQI J49 BGR DCT AJJAY OOSHNS  
-KBOS1400 KJFK  
-PBN/A1B1C1D1L101S2 NAV/RNVD1E2A1 DOF/191201 REG/PJTGD  
EET/OBBB0020 OKAC0057 ORBB0112 LTAA0217 LTBB0341 LBSR0349  
LRBB0412 LHCC0453 LZBB0502 EPWW0511 EDUU0550 EDVV0611 EKDK0626  
EGPX0650 EGGX0808 BIRD0836 62N020W0857 CZQX0941 59N040W1031  
57N050W1117 CZUL1231 CZQM1301 KZBW1310  
SEL/EFAD CODE/484DC6 RVR/75 OPR/TRADEWIND CARIBBEAN  
ORGN/TNCCTCAP PER/D  
RALT/CYYR BIKF  
RMK/TCAS  
-E/1652)

[PLANNING WEATHER]

ORIGIN: OMAA/AUH (ABU DHABI INTL, UNITED ARAB EMIRATES)

UTC +04:00

OMAA 011600Z 30007KT CAVOK 24/20 Q1016 NOSIG  
OMAA 011100Z 0112/0218 33010KT 8000 SCT035  
BECMG 0119/0121 09005KT  
PROB30 0201/0204 4000 HZ  
BECMG 0208/0210 34010KT

DESTINATION: KBOS/BOS (LOGAN INTL, UNITED STATES)

UTC -05:00

KBOS 011554Z 32007KT 10SM OVC019 M01/M08 A3002 RMK A02 SLP165 T10061083  
KBOS 011420Z 0114/0218 34006KT P6SM OVC015  
FM011600 04005KT P6SM OVC015  
FM012200 10007KT 6SM -SN OVC025  
FM012300 09012G17KT 1/2SM SN FG OVC010  
FM020100 08013G23KT 3SM -SNPL BR OVC008  
FM020200 07016G24KT 1SM PLSNRA BR OVC008  
FM020900 05020G32KT 3SM -SNRA BR OVC008

ALTERNATE: KJFK/JFK (KENNEDY INTL, UNITED STATES)

UTC -05:00

KJFK 011551Z 04008KT 10SM -RAPL FEW030 OVC060 01/M06 A2997 RMK A02  
RAB37PLB48 SLP148 P0000 T00061061 \$  
KJFK 011439Z 0115/0218 07011KT P6SM -SNRA SCT020 BKN040 OVC100  
TEMPO 0115/0116 08011KT 4SM -SN BR SCT010 OVC020  
FM011600 07012KT 4SM -RAPL BR BKN010  
FM011700 07012KT 2SM RA BR BKN006 OVC010  
FM012200 07016G23KT 2SM RA BR OVC006  
FM020100 06018G28KT 1 1/2SM -RA BR OVC007  
FM020800 03016G23KT 3SM -RA BR OVC008  
FM021300 02015G20KT 4SM -RA BR OVC010

EDTO AIRPORT: CYJR/YJR (GOOSE BAY, CANADA)

UTC -04:00

CYJR 011600Z 30017G24KT 15SM DRSN BKN033 M06/M12 A2956 RMK SC5 SLP015  
CYJR 011130Z 0112/0212 29015G25KT P6SM FEW040 SCT120  
BECMG 0114/0116 BKN030  
BECMG 0120/0122 27012KT  
FM020700 26012KT P6SM SCT030 BKN120  
RMK NXT FCST BY 011800Z

EDTO AIRPORT: BIKF/KEF (KEFLAVIK, ICELAND)

UTC +00:00

BIKF 011600Z 14018KT 9000 -RA BKN014 OVC040 05/05 Q1013  
BIKF 011351Z 0115/0215 14016KT 9000 -RA BKN012 OVC025 TX08/0212Z  
TN04/0115Z  
TEMPO 0115/0120 3000 RA SCT004 BKN008 OVC013  
BECMG 0116/0118 14025G35KT  
BECMG 0120/0123 18012KT 3000 DZ BR BKN005 OVC008  
TEMPO 0200/0207 1000 DZ FG BKN003 OVC005  
BECMG 0207/0210 5000 RA BKN008 OVC018  
BECMG 0210/0212 17020G30KT

**ADEQUATE: OKBK/KWI (KUWAIT INTL, KUWAIT)**

**UTC +03:00**

OKBK 011600Z 09005KT 8000 NSC 21/15 Q1017 NOSIG  
OKBK 011045Z 0112/0218 VRB03KT 7000 NSC  
BECMG 0116/0118 14008G18KT SCT040 BKN080  
TEMPO 0118/0206 3000 -TSRA FEW030CB

**ADEQUATE: ORBI/BGW (BAGHDAD INTL, IRAQ)**

**UTC +03:00**

ORBI 011600Z 16010KT 9000 -RA OVC030 19/12 Q1017 TEMPO -TSSHRA FEW025CB  
ORBI 011000Z 0112/0212 VRB03KT CAVOK  
BECMG 0113/0115 12010KT 8000 BKN040 OVC080  
TEMPO 0115/0212 -TSSHRA FEW025CB

**ADEQUATE: ORER/EBL (ERBIL INTL, IRAQ)**

**UTC +03:00**

ORER 011500Z 03003KT 9000 NSC 14/10 Q1019 NOSIG  
ORER 011000Z 0112/0212 VRB03KT 8000 SCT030  
BECMG 0122/0124 BKN040  
TEMPO 0200/0212 -TSSHRA FEW025CB

**ADEQUATE: LTCG/TZX (TRABZON INTL, TURKEY)**

**UTC +03:00**

LTCG 011550Z 26009KT 210V290 9000 -SHRA SCT012 BKN033 12/08 Q1018 NOSIG  
RMK RWY29 26010KT 230V290  
LTCG 011040Z 0112/0212 30012KT 8000 -SHRA SCT012 BKN033  
TEMPO 0112/0116 30018G30KT 2500 +SHRA SCT008 BKN025  
PROB40 0116/0120 30015G25KT 4500 SHRA SCT008 BKN028  
BECMG 0200/0203 24009KT SCT035 BKN100

**ADEQUATE: LTBA/ISL (ATATURK INTL, TURKEY)**

**UTC +03:00**

LTBA 011550Z 02011KT 9999 BKN040 10/03 Q1026 NOSIG RMK RWY17L 01012KT  
RWY05 01013KT 340V040 RWY23 03015KT  
LTBA 011040Z 0112/0218 36020G32KT 9999 SCT013 BKN035  
TEMPO 0112/0116 -RA  
BECMG 0116/0120 05013KT SCT035  
BECMG 0202/0205 VRB02KT CAVOK

**ADEQUATE: LROP/OTP (HENRI COANDA, ROMANIA)**

**UTC +02:00**

LROP 011600Z 04003KT CAVOK 01/M02 Q1028 R88/29//95 NOSIG  
LROP 011100Z 0112/0212 14004KT 9999 BKN035

**ADEQUATE: LHBP/BUD (LISZT FERENC INTL, HUNGARY)**

**UTC +01:00**

LHBP 011600Z 11007KT CAVOK M01/M04 Q1024 NOSIG  
LHBP 011115Z 0112/0212 15007KT CAVOK  
BECMG 0121/0201 10009KT -SN OVC040  
TEMPO 0201/0210 0500 +SN BKN002 OVC010  
BECMG 0208/0210 VRB03KT  
TEMPO 0210/0212 BKN004

**ADEQUATE: EPWA/WAW (CHOPIN, POLAND)**

**UTC +01:00**

EPWA 011600Z VRB02KT 9000 BKN019 01/M00 Q1022 TEMPO BKN015  
EPWA 011430Z 0115/0215 18005KT 9000 SCT010 BKN015  
TEMPO 0115/0207 3000 -SN -SG BR  
PROB40 0116/0123 BKN006  
BECMG 0207/0209 27010KT

**ADEQUATE: ETNL/RLG (ROSTOCK-LAAGE, GERMANY)**

**UTC +01:00**

ETNL 011520Z 22005KT 1400 R27/7000N BR OVC001 01/00 Q1020 RED  
AMD ETNL 011245Z 0112/0124 VRB02KT 0400 FG VV001 FEW040  
PROB30 0112/0115 27004KT 1000 BR BKN002 SCT040 BY ETGL

**ADEQUATE: EGPF/GLA (GLASGOW, UNITED KINGDOM)**

**UTC +00:00**

EGPF 011550Z VRB02KT 0200 R05/0200 FZFG VV/// M03/M03 Q1030  
AMD EGPF 011411Z 0114/0212 VRB03KT 0300 FZFG VV///  
PROB40 TEMPO 0115/0118 6000  
TEMPO 0118/0209 3000 BR MIFG  
BECMG 0209/0212 6000 NSW BKN018  
PROB30 TEMPO 0209/0212 4000 RADZ BR BKN009

**ADEQUATE: KBGR/BGR (BANGOR INTL, UNITED STATES)**

**UTC -05:00**

KBGR 011553Z VRB06KT 10SM SCT250 M04/M13 A3003 RMK A02 SLP174 T10441128 \$  
KBGR 011120Z 0112/0212 32003KT P6SM SKC  
FM011400 36003KT P6SM FEW100  
FM012000 04004KT P6SM FEW100

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/2 TRACKS FLS 310/390 INCLUSIVE  
DEC 01/1130Z TO DEC 01/1900Z  
PART ONE OF TWO PARTS-

A MALOT 53/20 53/30 53/40 52/50 TUDEP  
EAST LVLS NIL  
WEST LVLS 310 320 330 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

B LIMRI 52/20 52/30 52/40 51/50 ALLRY  
EAST LVLS NIL  
WEST LVLS 310 320 330 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

C ADARA 5130/20 5130/30 5130/40 5030/50 BUDAR  
EAST LVLS NIL  
WEST LVLS 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

D DINIM 51/20 51/30 51/40 50/50 ELSIR  
EAST LVLS NIL  
WEST LVLS 310 320 330 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

E RODEL 5030/20 5030/30 5030/40 4930/50 IBERG  
EAST LVLS NIL  
WEST LVLS 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

F SOMAX 50/20 50/30 50/40 49/50 JOOPY  
EAST LVLS NIL  
WEST LVLS 310 320 330 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR NIL-

G BEDRA 49/20 49/30 49/40 48/50 NICSO  
EAST LVLS NIL  
WEST LVLS 310 320 330 350 360 370 390  
EUR RTS WEST NIL  
NAR NIL-

END OF PART ONE OF TWO PARTS)

(NAT-2/2 TRACKS FLS 310/390 INCLUSIVE  
DEC 01/1130Z TO DEC 01/1900Z  
PART TWO OF TWO PARTS-

H ETIKI 48/15 48/20 48/30 48/40 47/50 PORTI  
EAST LVLS NIL  
WEST LVLS 310 320 330 350 360 370 390  
EUR RTS WEST NIL  
NAR NIL-

REMARKS.

1. TMI IS 335 AND OPERATORS ARE REMINDED TO INCLUDE THE  
TMI NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.  
2. OPERATORS ARE REMINDED THAT ADS-C AND CPDLC IS MANDATED FOR  
LEVELS 350-390 IN NAT AIRSPACE.  
3. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS  
TRACK B  
TRACK C  
TRACK D  
TRACK E  
TRACK F  
END OF PBCS OTS  
4. FOR STRATEGIC LATERAL OFFSET AND CONTINGENCY PROCEDURES FOR OPS IN  
NAT FLOW REFER TO NAT PROGRAMME COORDINATION WEBSITE  
WWW.PARIS.ICAO.INT.  
SLOP SHOULD BE STANDARD PROCEDURE, NOT JUST FOR AVOIDING WX/TURB.  
5. 80 PERCENT OF GROSS NAVIGATION ERRORS RESULT FROM POOR COCKPIT  
PROCEDURES. CONDUCT EFFECTIVE WAYPOINT CHECKS.  
6. OPERATORS ARE REMINDED THAT CLEARANCES MAY DIFFER FROM THE  
FLIGHT PLAN, FLY THE CLEARANCE.  
7. UK AIP. ENR 2.2.4.2 PARA 5.2 STATES THAT NAT OPERATORS SHALL FILE  
PRM'S.  
8. FLIGHTS REQUESTING WESTBOUND OCEANIC CLEARANCE VIA ORCA DATALINK  
SHALL INCLUDE IN RMK/ FIELD THE HIGHEST ACCEPTABLE FLIGHT LEVEL WHICH  
CAN  
BE MAINTAINED AT OAC ENTRY POINT.  
9. ALL ADSC CPDLC EQUIPPED FLIGHTS NOT LOGGED ON TO A DOMESTIC ATSU  
PRIOR TO ENTERING THE SHANWICK OCA MUST INITIATE A LOGON TO EGGX  
BETWEEN 10  
AND 25 MINUTES PRIOR TO OCA ENTRY.-

END OF PART TWO OF TWO PARTS)

(NAT-1/3 TRACKS FLS 320/400 INCLUSIVE  
DEC 2/0100Z TO DEC 2/0800Z  
PART ONE OF THREE PARTS-

N JANJO 56/50 58/40 60/30 61/20 60/15 BALIX NINEX  
EAST LVLS 320 330 340 360 370 380 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N687A N683A-

P LOMSI 55/50 57/40 59/30 60/20 59/15 ERAKA ETSOM  
EAST LVLS 320 330 340 360 370 380 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N627A N621A-

Q NEEKO 54/50 56/40 58/30 59/20 58/15 GOMUP GINGA  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N573A N557A-

R ALLRY 51/50 54/40 57/30 57/20 SUNOT KESIX  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N389B N381B-

S BUDAR 5030/50 5330/40 5630/30 5630/20 BILTO BEGID  
EAST LVLS 350 360 370 380 390  
WEST LVLS NIL

EUR RTS EAST NIL  
NAR N359B N353B-

T ELSIR 50/50 53/40 56/30 56/20 PIKIL SOVED  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N329B N321A-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 320/400 INCLUSIVE  
DEC 2/0100Z TO DEC 2/0800Z  
PART TWO OF THREE PARTS-

U JOOPY 49/50 52/40 55/30 55/20 RESNO NETKI  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N269A N255A-

V MUSAK 4830/50 5130/40 5430/30 5430/20 VENER KOKIB  
EAST LVLS 350 360 370 380 390  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N237A N225A-

W NICSO 48/50 51/40 54/30 54/20 DOGAL BEXET  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N211E N193A-

X PORTI 47/50 50/40 53/30 53/20 MALOT GISTI  
EAST LVLS 320 330 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N155A N133A-

Y DOVEY 42/60 44/50 47/40 50/30 52/20 LIMRI XETBO  
EAST LVLS 320 340 380 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR NIL-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 320/400 INCLUSIVE  
DEC 2/0100Z TO DEC 2/0800Z  
PART THREE OF THREE PARTS-

Z SOORY 43/50 46/40 49/30 51/20 DINIM ELSOX  
EAST LVLS 320 340 380 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR NIL-

REMARKS:

- 1.THE TMI IS 336 AND OPERATORS ARE REMINDED TO INCLUDE THE TMI NUMBER AS PART 0  
THE OCEANIC CLEARANCE READBACK.
- 2.OPERATORS ARE REMINDED THAT ADS-C AND CPDLC ARE MANDATED FOR

LEVELS 350-390 IN NAT AIRSPACE.

3.PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS

TRACK R

TRACK S

TRACK T

TRACK U

TRACK V

TRACK W

END OF PBCS OTS.

4.CLEARANCE DELIVERY FREQUENCY ASSIGNMENTS FOR AIRCRAFT OPERATING

FROM AVPUT TO TALGO INCLUSIVE:AVPUT TO LIBOR 132.02,

MAXAR TO VESMI 134.2, AVUTI TO JANJO 128.7,KODIK TO TUDEP 135.45,

UMESI TO JOOPY 135.05, MUSAK TO SUPRY 128.45,RAFIN TO TALGO 119.42.

5.80% OF NAVIGATIONAL ERRORS RESULT FROM POOR COCKPIT PROCEDURES

ALWAYS CARRY OUT PROPER WAYPOINT PROCEDURES.

6.OPERATORS ARE ADVISED THAT VERSION 24 OF THE GANDER DATA LINK

OCEANIC CLEARANCE DELIVERY CREW PROCEDURES IS NOW VALID AND

AVAILABLE AS NAT OPS BULLETIN 2015-004 ON THE WWW.PARIS.ICAO.

INT WEBSITE.

7.OPERATORS ARE REMINDED THAT EASTBOUND AIRCRAFT INTENDING TO

OPERATE IN THE OTS ARE REQUIRED TO COMPLY WITH NAR FLIGHT

PLANNING RULES AS DEFINED IN THE CANADA FLIGHT SUPPLEMENT

OR WITH ROUTES AS CONTAINED IN THE DAILY BOSTON ADVISORY.

8.AIRCRAFT EXITING THE NAT REGION TO A DOMESTIC AGENCY SHOULD

CONTINUE TO

OPERATE TRANSPONDERS ON MODE A2000 UNTIL OTHERWISE ADVISED BY ATC.

SEE

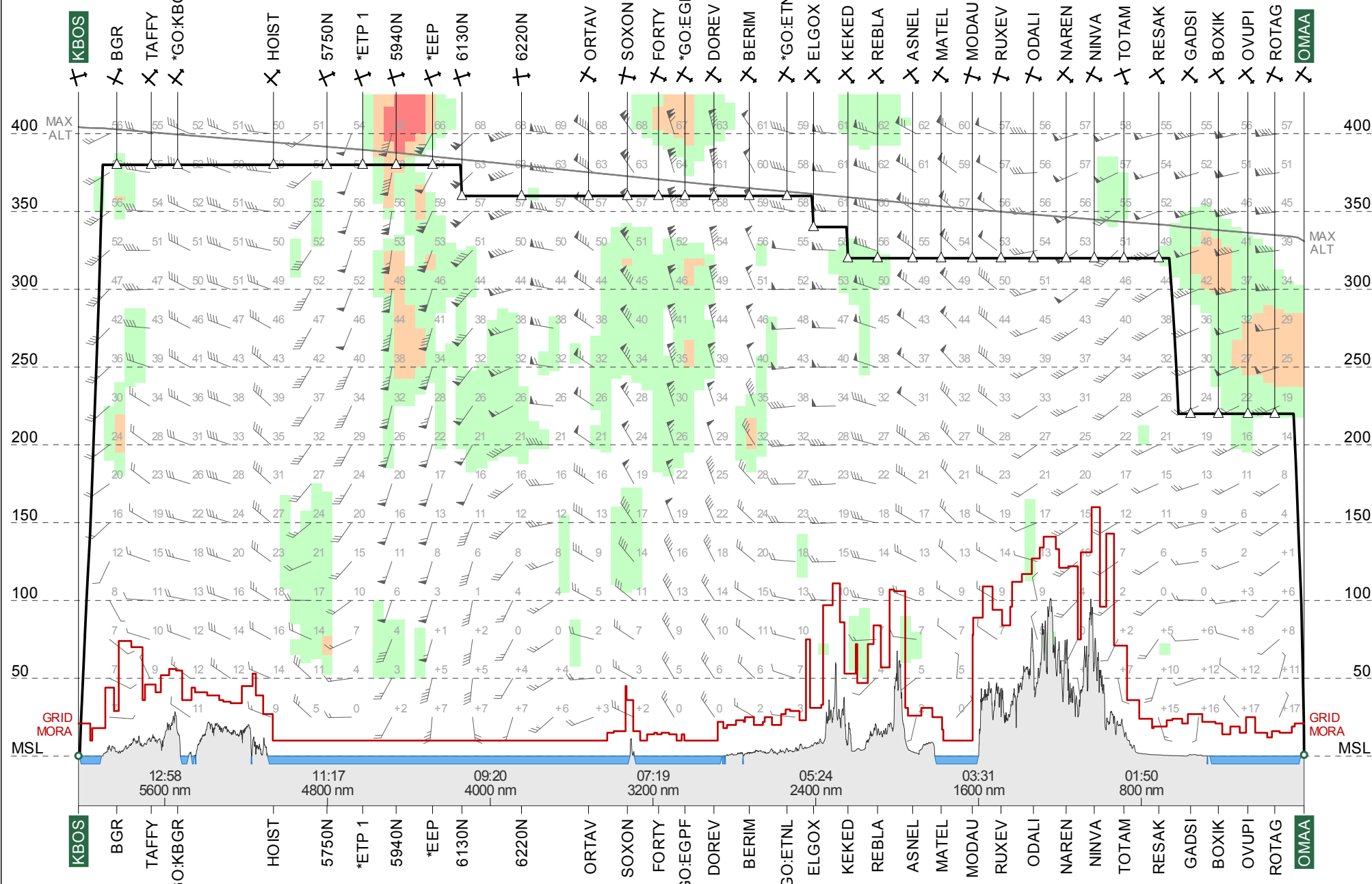
ICAO NAT DOC 007 6.8 FOR MORE INFO.-

END OF PART THREE OF THREE PARTS)

**TR321B #2**

**KBOS**  **OMAA**

ETD 01 Dec 20:15z  
PJTGD B77L



# Route Chart

## ETOPS 120

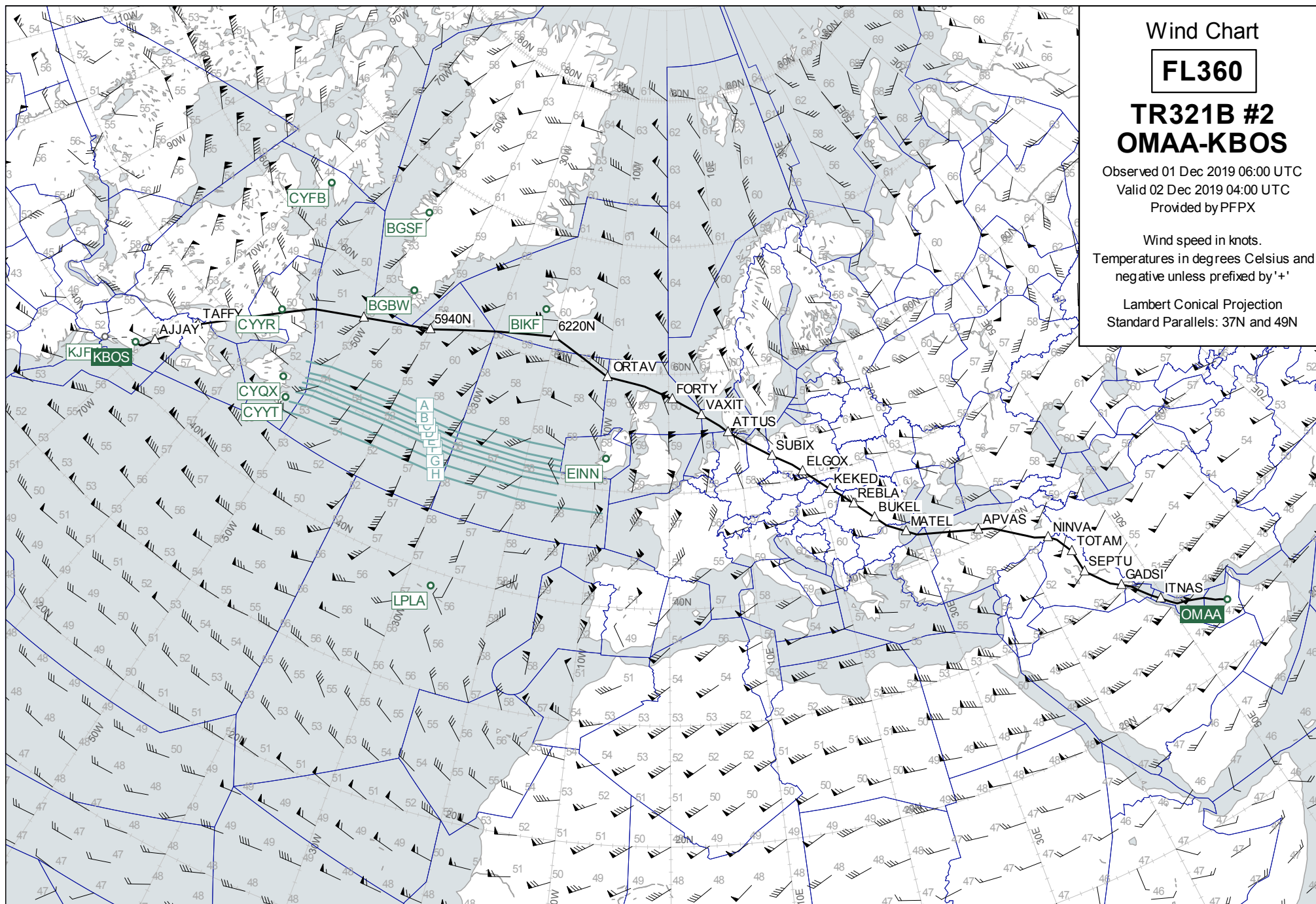
### TR321B #2 OMAA-KBOS

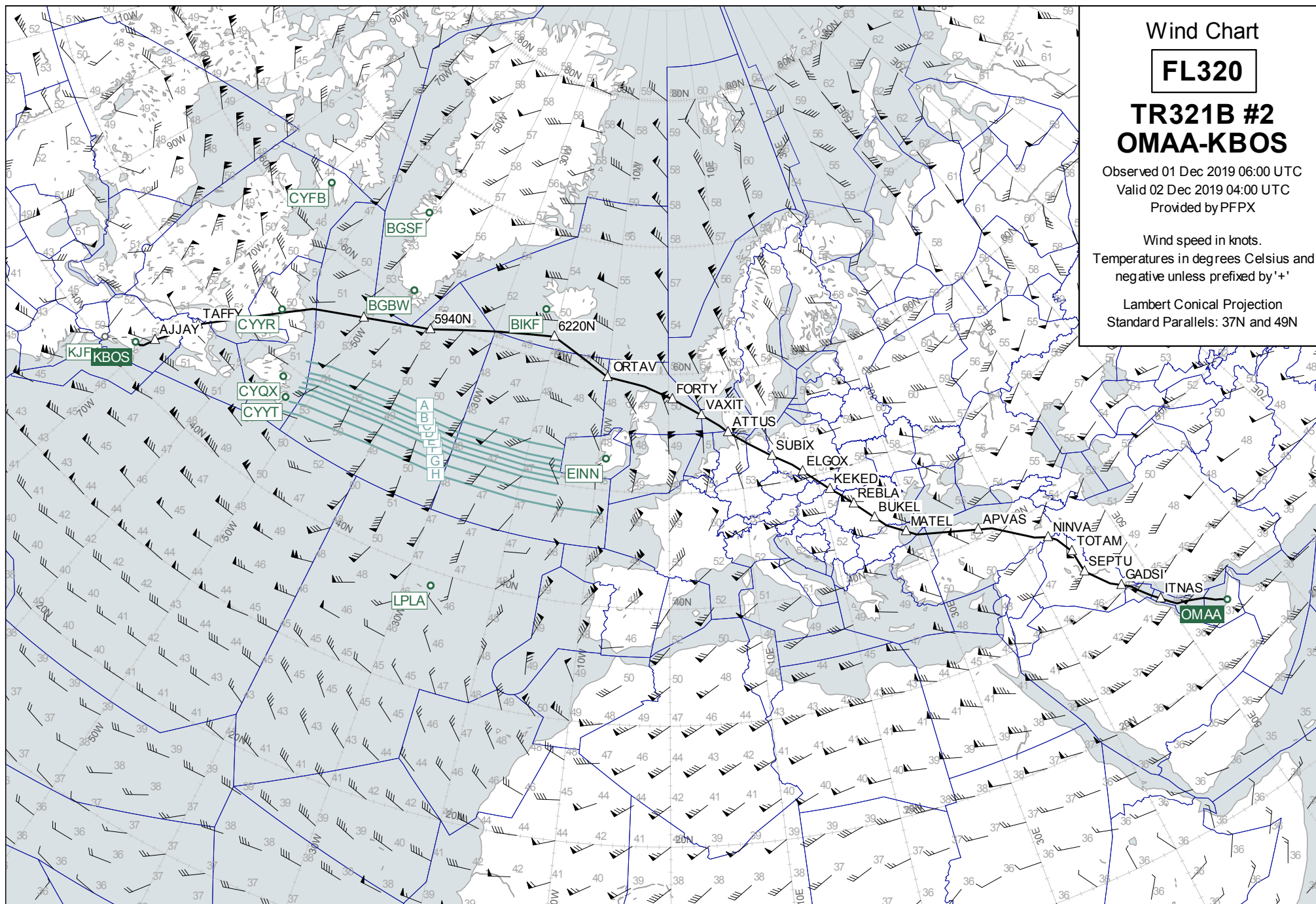
01 Dec 2019

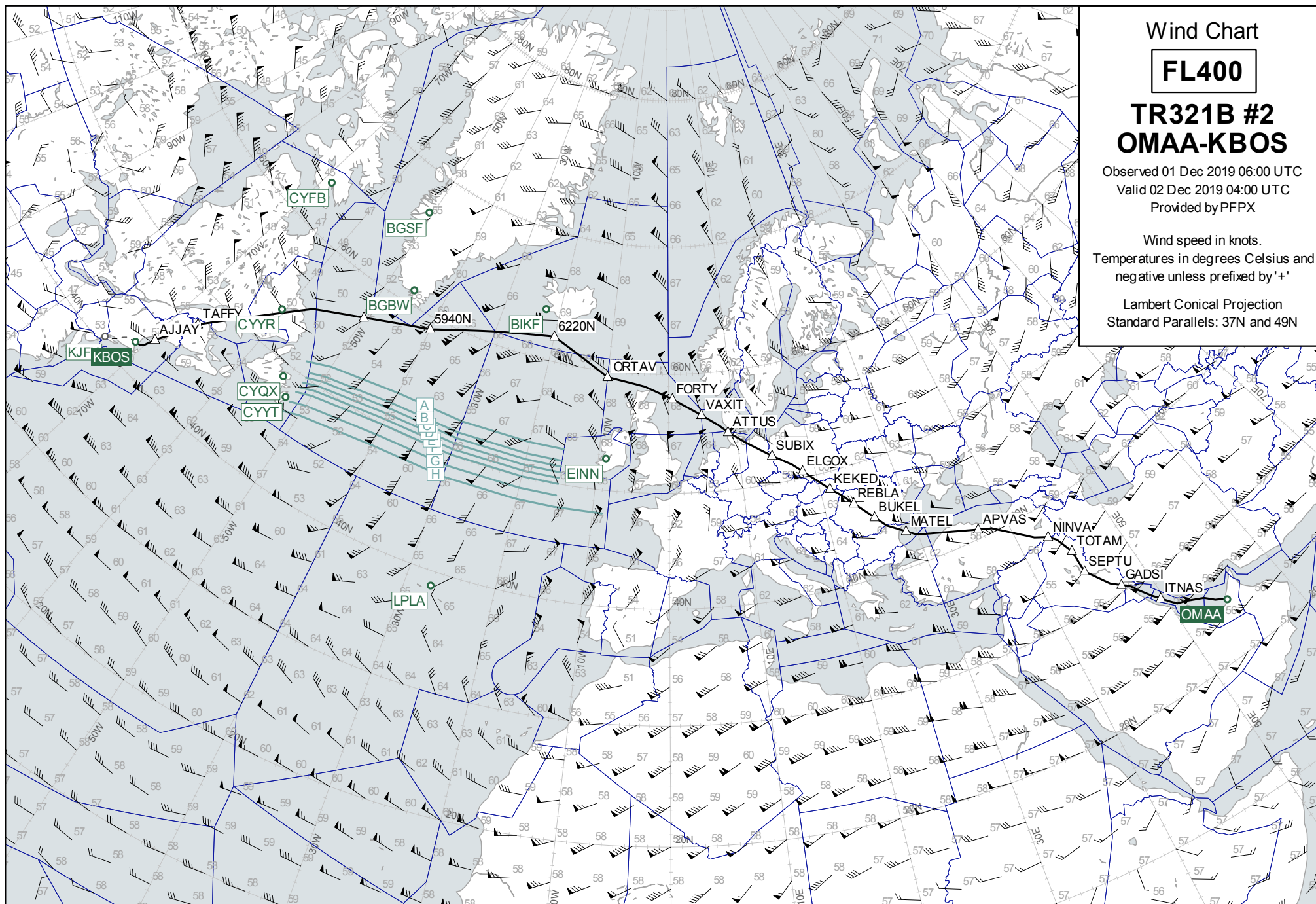
PJTGD B77L

Lambert Conical Projection  
Standard Parallels: 37N and 49N









Destination Area

**FL150**

**TR321B #2**  
**OMAA-KBOS**

Observed 01 Dec 2019 06:00 UTC

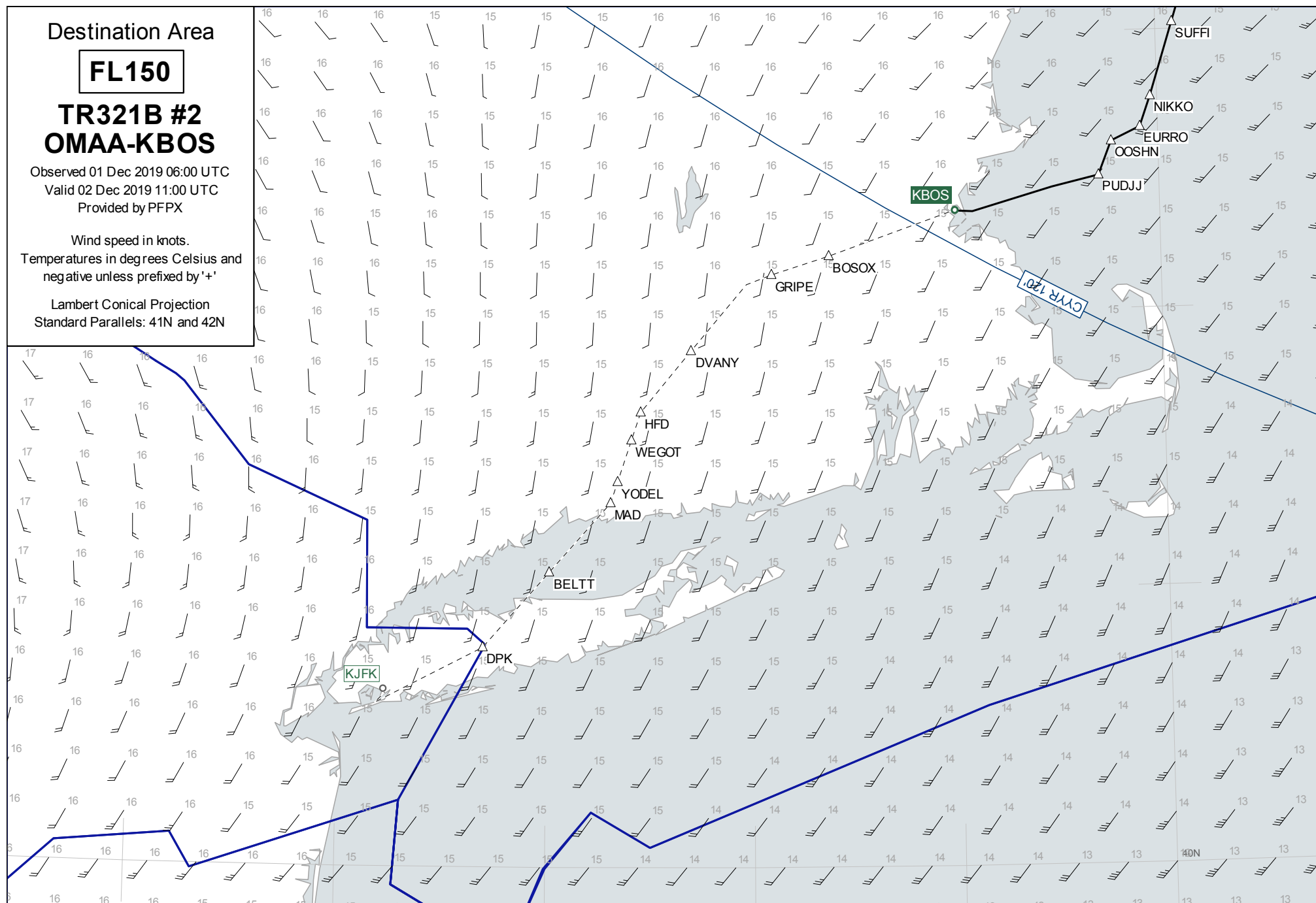
Valid 02 Dec 2019 11:00 UTC

Provided by PFPX

Wind speed in knots.

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

Lambert Conical Projection  
Standard Parallels: 41N and 42N



**TR321B #2**  
**OMAA-KBOS**

01 Dec 2019  
PJTGD B77L

Lambert Conical Projection  
Standard Parallels: 53N and 58N

