

CARTA DE LLEGADA NORMALIZADA  
VUELO POR INSTRUMENTOS (STAR) - OACI

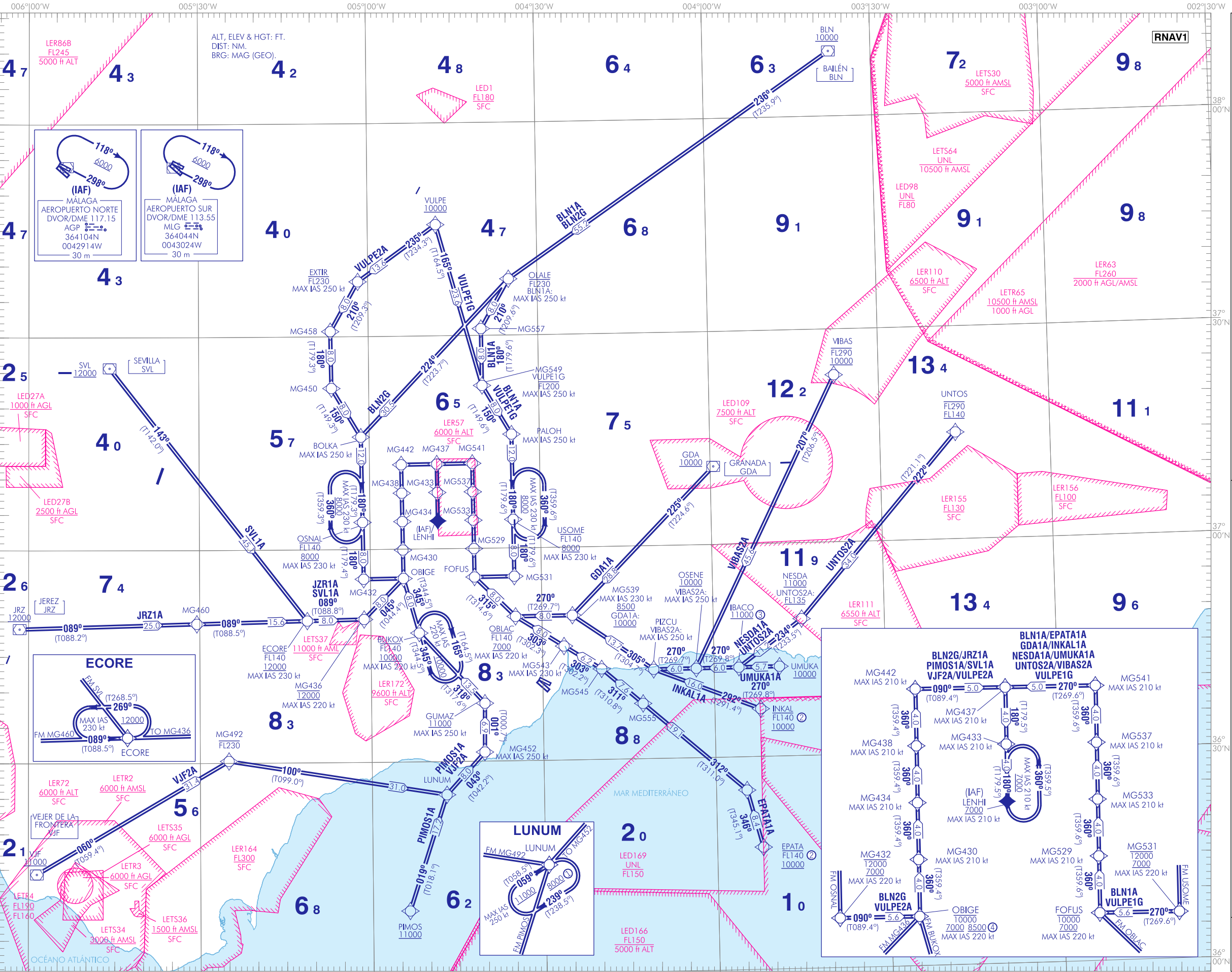
VAR 1°W (2020)

TA 13000 ft

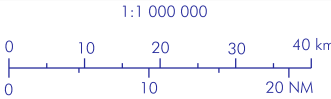
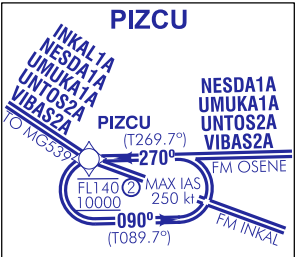
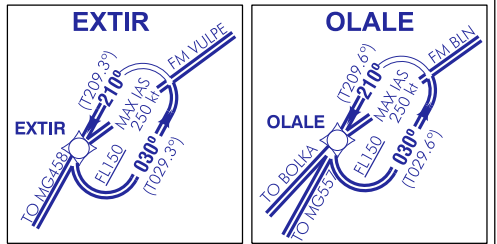
|       |           |          |           |
|-------|-----------|----------|-----------|
| APP   | 125.955 C | ARR E    | 118.455 C |
| TWR W | 118.155 C | ARR W    | 123.855 C |
| TWR E | 118.780 C | ATIS ARR | 120.380 C |

|       |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|
| BLN1A | BLN2G   | EPATA1A | GDA1A   | INKAL1A | JRZ1A   | NESDA1A | PIMOS1A |
| SVL1A | UMUKA1A | UNTOS2A | VIBAS2A | VJF2A   | VULPE2A | VULPE1G |         |

CAMBIO: CAMBIO DE DENOMINACIÓN DE PUNTOS ULPEP Y TOCHO POR UMUKA Y BOLKA Y DE LLEGADA ULPEP A POR UMUKA1A, BLN2G AND VULPE2A ARRIVALS.  
CHANGES: NAME CHANGE OF POINTS ULPEP AND TOCHO BY UMUKA AND BOLKA AND ARRIVAL ULPEP A BY UMUKA1A, BLN2G AND VULPE2A ARRIVALS.



- ① MNM ALT PARA USO TÁCTICO ATC.  
② LÍMITE SUPERIOR SUJETO A LA ACTIVIDAD LED169.  
③ NESDA1A, UNTOS2A.  
④ JRZ1A, PIMOS1A, SVL1A & VJF2A.  
- INKAL1A Y ESPERA PIZCU SUJETA A LA ACTIVIDAD LED167.  
- EL ÁREA BÁSICA ASOCIADA A LA ESPERA EN LUNUM INTERFIERE CON LA LER164.  
- PARA LA LLEGADA BLN2G:  
RNAV1 (DME/DME) DME HIJ & BLN CRÍTICOS.  
RNAV1 (DME/DME/IRU) SIN DME CRÍTICO.  
- PARA LA LLEGADA BLN1A & VULPE1G:  
RNAV1 (DME/DME) DME HIJ CRÍTICO.  
RNAV1 (DME/DME/IRU) SIN DME CRÍTICO.  
- PARA LA LLEGADA EPATA1A:  
RNAV1 (DME/DME) DME AMR & MAR CRÍTICOS.  
RNAV1 (DME/DME/IRU) SIN DME CRÍTICO.  
- PARA LAS LLEGADAS JRZ1A, PIMOS1A, SVL1A, VJF2A & VULPE2A:  
RNAV1 (DME/DME) DME BLN CRÍTICO.  
RNAV1 (DME/DME/IRU) SIN DME CRÍTICO.  
- PARA LA LLEGADA NESDA1A & UMUKA1A:  
RNAV1 (DME/DME) DME GDA CRÍTICO.  
RNAV1 (DME/DME/IRU) SIN DME CRÍTICO.  
- VULPE1G Y BLN2G: USO TÁCTICO ATC.
- ① MNM ALT FOR ATC TACTICAL USE.  
② UPPER LIMIT SUBJECT TO LED169 ACTIVITY.  
③ NESDA1A, UNTOS2A.  
④ JRZ1A, PIMOS1A, SVL1A & VJF2A.  
- INKAL1A AND HOLDING PIZCU SUBJECT TO LED167 ACTIVITY.  
- THE BASIC AREA ASSOCIATED WITH HOLDING OVER LUNUM INTERFERES WITH LER164.  
- FOR ARRIVAL BLN2G:  
RNAV1 (DME/DME) DME HIJ & BLN CRITICAL.  
RNAV1 (DME/DME/IRU) WITHOUT CRITICAL DME.  
- FOR ARRIVAL BLN1A & VULPE1G:  
RNAV1 (DME/DME) DME HIJ CRITICAL.  
RNAV1 (DME/DME/IRU) WITHOUT CRITICAL DME.  
- FOR ARRIVAL EPATA1A:  
RNAV1 (DME/DME) DME AMR & MAR CRITICAL.  
RNAV1 (DME/DME/IRU) WITHOUT CRITICAL DME.  
- FOR ARRIVAL JRZ1A, PIMOS1A, SVL1A, VJF2A & VULPE2A:  
RNAV1 (DME/DME) DME HIJ & BLN CRITICAL.  
RNAV1 (DME/DME/IRU) WITHOUT CRITICAL DME.  
- FOR ARRIVAL NESDA1A & UMUKA1A:  
RNAV1 (DME/DME) DME GDA CRITICAL.  
RNAV1 (DME/DME/IRU) WITHOUT CRITICAL DME.  
- VULPE1G AND BLN2G: ATC TACTICAL USE.



INTENCIONADAMENTE EN BLANCO  
INTENTIONALLY BLANK

## MÁLAGA/Costa del Sol AD

| COORDENADAS WAYPOINTS // WAYPOINTS COORDINATES |       |                      |
|------------------------------------------------|-------|----------------------|
|                                                | WPT   | COORD                |
| →                                              | BLN   | 380909.2N 0033729.0W |
|                                                | BOLKA | 371550.6N 0050128.2W |
|                                                | BUKOX | 364809.7N 0045131.7W |
|                                                | ECORE | 364959.8N 0051108.3W |
|                                                | EPATA | 361713.4N 0035200.0W |
|                                                | EXTIR | 373743.9N 0050147.0W |
|                                                | FOFUS | 365558.0N 0044143.8W |
|                                                | GDA   | 371059.4N 0035927.3W |
|                                                | GUMAZ | 363810.3N 0044011.3W |
|                                                | IBACO | 364237.9N 0035539.5W |
|                                                | INKAL | 363643.5N 0035200.0W |
|                                                | JRZ   | 364854.7N 0060135.5W |
|                                                | LENHI | 370356.1N 0044803.3W |
|                                                | LUNUM | 362520.5N 0044700.0W |
|                                                | MG430 | 365953.0N 0045415.1W |
|                                                | MG432 | 365549.1N 0050111.2W |
|                                                | MG433 | 370756.4N 0044806.0W |
|                                                | MG434 | 370353.3N 0045418.1W |
|                                                | MG436 | 365009.2N 0050110.6W |
|                                                | MG437 | 371156.8N 0044808.6W |
|                                                | MG438 | 370753.6N 0045421.1W |
|                                                | MG442 | 371153.9N 0045424.2W |
|                                                | MG450 | 372244.0N 0050635.3W |
|                                                | MG452 | 363117.8N 0044017.9W |
|                                                | MG458 | 373044.7N 0050642.7W |
|                                                | MG460 | 364937.6N 0053030.3W |
|                                                | MG492 | 363017.0N 0052459.0W |
|                                                | MG529 | 365958.3N 0044146.1W |
|                                                | MG531 | 365600.4N 0043444.7W |
|                                                | MG533 | 370358.6N 0044148.4W |
|                                                | MG537 | 370758.9N 0044150.8W |
|                                                | MG539 | 365023.2N 0042439.9W |
|                                                | MG541 | 371159.3N 0044153.1W |
|                                                | MG543 | 364603.9N 0042612.6W |
|                                                | MG545 | 364245.7N 0041941.0W |
|                                                | MG549 | 372256.6N 0043959.0W |
|                                                | MG555 | 363747.8N 0041232.1W |
|                                                | MG557 | 373057.3N 0044003.4W |
|                                                | MG577 | 362518.5N 0035440.2W |
|                                                | NESDA | 364917.3N 0034430.2W |
|                                                | OBIGE | 365552.7N 0045412.1W |
|                                                | OBLAC | 365020.6N 0043437.8W |
|                                                | OLALE | 373755.3N 0043505.1W |
|                                                | OSENE | 364236.2N 0040307.1W |
|                                                | OSNAL | 370349.7N 0050118.0W |
|                                                | PALOH | 371602.0N 0043454.4W |
|                                                | PIMOS | 360901.3N 0045336.5W |
|                                                | PIZCU | 364234.0N 0041034.8W |
|                                                | SVL   | 372539.3N 0054544.0W |
| →                                              | UMUKA | 364239.0N 0034833.5W |
|                                                | UNTOS | 371502.0N 0031639.7W |
|                                                | USOME | 370401.0N 0043448.6W |
|                                                | VIBAS | 372332.0N 0033751.1W |
|                                                | VJF   | 361421.6N 0055831.8W |
|                                                | VULPE | 374540.4N 0044754.4W |

→

| DME CRÍTICO // CRITICAL DME       |                    |                            |
|-----------------------------------|--------------------|----------------------------|
| INSTALACIÓN (ID)<br>FACILITY (ID) | FREQ./CH           | COORD                      |
| ALMERIA (AMR)                     | 114.10 MHz<br>88X  | 364959.4007N 0021533.9251W |
| BAILÉN (BLN)                      | 116.20 MHz<br>109X | 380909.0948N 0033729.3043W |
| GRANADA (GDA)                     | 113.40 MHz<br>81X  | 371059.9364N 0035927.2565W |
| HINOJOSA DEL DUQUE (HIJ)          | 114.70 MHz<br>94X  | 383029.2835N 0050558.8538W |
| MARTÍN (MAR)                      | 112.60 MHz<br>73X  | 370318.7596N 0045623.2015W |

- LLEGADAS NORMALIZADAS POR INSTRUMENTOS (STAR)

PISTA 12/13

NOTA APLICABLE A TODAS LAS STAR:

→

– RNAV1.

– Las aeronaves que no puedan mantener las velocidades máximas especificadas en las cartas STAR deberán comunicarlo a ATC en primera comunicación.
- STANDARD INSTRUMENT ARRIVALS (STAR)

RUNWAY 12/13

NOTE APPLICABLE TO ALL STAR:

– RNAV1.

– Aircraft unable to maintain maximum velocities specified in the STAR charts shall notify ATC in their initial call.

– RNAV1 (DME/DME/IRU) WITHOUT CRITICAL DME.

| DESCRIPCIÓN TABULAR DEL PROCEDIMIENTO<br>PROCEDURE TABULAR DESCRIPTION                                |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                  |                                                          |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|------------------------|---------------------------------------|-------------------------------------------|----------------------------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------------------------------------|
| Número de serie<br>Serial number                                                                      | Descriptor de trayectoria<br>Path Terminator | Identificador de punto de recorrido<br>Waypoint identifier | Sobrevuelo<br>Fly-over | Curso / Derrota<br>Course/Track M (T) | Variación magnética<br>Magnetic variation | Distancia<br>Distance (NM) | Dirección de viraje<br>Turn direction | Altitud<br>Altitude (ft) | Velocidad<br>Speed (kt) | VPA/TCH<br>(/ft) | Especificación de navegación<br>Navegation specification |
| <div>→</div> <div><b>BLN1A</b></div> <div>RNAV1 (DME/DME) DME HIJ CRÍTICO. // DME HIJ CRITICAL.</div> |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                  |                                                          |
| 001                                                                                                   | IF                                           | BLN                                                        | -                      | -                                     | +0.6                                      | -                          | -                                     | +10000                   | -                       | -                | RNAV 1                                                   |
| 002                                                                                                   | TF                                           | OLALE                                                      | -                      | 236 (235.9)                           | +0.6                                      | 55.2                       | -                                     | -FL230                   | -250                    | -                | RNAV 1                                                   |
| 003                                                                                                   | TF                                           | MG557                                                      | -                      | 210 (209.6)                           | +0.6                                      | 8.0                        | -                                     | -                        | -                       | -                | RNAV 1                                                   |
| 004                                                                                                   | TF                                           | MG549                                                      | -                      | 180 (179.6)                           | +0.6                                      | 8.0                        | -                                     | -                        | -                       | -                | RNAV 1                                                   |
| 005                                                                                                   | TF                                           | PALOH                                                      | -                      | 150 (149.6)                           | +0.6                                      | 8.0                        | -                                     | -                        | -                       | -                | RNAV 1                                                   |
| 006                                                                                                   | TF                                           | USOME                                                      | -                      | 180 (179.6)                           | +0.6                                      | 12.0                       | -                                     | -FL140<br>+8000          | -230                    | -                | RNAV 1                                                   |
| 007                                                                                                   | TF                                           | MG531                                                      | -                      | 180 (179.6)                           | +0.6                                      | 8.0                        | -                                     | -12000<br>+7000          | -220                    | -                | RNAV 1                                                   |
| 008                                                                                                   | TF                                           | FOFUS                                                      | -                      | 270 (269.6)                           | +0.6                                      | 5.6                        | -                                     | -10000<br>+7000          | -                       | -                | RNAV 1                                                   |
| 009                                                                                                   | TF                                           | MG529                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -                | RNAV 1                                                   |
| 010                                                                                                   | TF                                           | MG533                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -                | RNAV 1                                                   |
| 011                                                                                                   | TF                                           | MG537                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -                | RNAV 1                                                   |
| 012                                                                                                   | TF                                           | MG541                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -                | RNAV 1                                                   |
| 013                                                                                                   | TF                                           | MG437                                                      | -                      | 270 (269.6)                           | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -                | RNAV 1                                                   |
| 014                                                                                                   | TF                                           | MG433                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -                | RNAV 1                                                   |
| 015                                                                                                   | TF                                           | LENHI                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -                | RNAV 1                                                   |

| DESCRIPCIÓN TABULAR DEL PROCEDIMIENTO<br>PROCEDURE TABULAR DESCRIPTION                                                       |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|------------------------|---------------------------------------|-------------------------------------------|----------------------------|---------------------------------------|--------------------------|-------------------------|-----------------|----------------------------------------------------------|
| Número de serie<br>Serial number                                                                                             | Descriptor de trayectoria<br>Path Terminator | Identificador de punto de recorrido<br>Waypoint identifier | Sobrevuelo<br>Fly-over | Curso / Derrota<br>Course/Track M (T) | Variación magnética<br>Magnetic variation | Distancia<br>Distance (NM) | Dirección de viraje<br>Turn direction | Altitud<br>Altitude (ft) | Velocidad<br>Speed (kt) | VPA/TCH<br>(ft) | Especificación de navegación<br>Navigation specification |
| <b>BLN2G</b><br>RNAV1 (DME/DME) DME HIJ Y BLN CRÍTICOS. // DME HIJ AND BLN CRITICAL.<br>USO TÁCTICO ATC // ATC TACTICAL USE. |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                                                                                                          | IF                                           | BLN                                                        | -                      | -                                     | +0.6                                      | -                          | -                                     | +10000                   | -                       | -               | RNAV 1                                                   |
| 002                                                                                                                          | TF                                           | OLALE                                                      | -                      | 236 (235.9)                           | +0.6                                      | 55.2                       | -                                     | -FL230                   | -                       | -               | RNAV 1                                                   |
| 003                                                                                                                          | TF                                           | BOLKA                                                      | -                      | 224 (223.7)                           | +0.6                                      | 30.5                       | -                                     | -                        | -250                    | -               | RNAV 1                                                   |
| 004                                                                                                                          | TF                                           | OSNAL                                                      | -                      | 180 (179.3)                           | +0.6                                      | 12.0                       | -                                     | -FL140<br>+8000          | -230                    | -               | RNAV 1                                                   |
| 005                                                                                                                          | TF                                           | MG432                                                      | -                      | 180 (179.4)                           | +0.6                                      | 8.0                        | -                                     | -12000<br>+7000          | -220                    | -               | RNAV 1                                                   |
| 006                                                                                                                          | TF                                           | OBIGE                                                      | -                      | 090 (089.4)                           | +0.6                                      | 5.6                        | -                                     | -10000<br>+7000          | -                       | -               | RNAV 1                                                   |
| 007                                                                                                                          | TF                                           | MG430                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV 1                                                   |
| 008                                                                                                                          | TF                                           | MG434                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV 1                                                   |
| 009                                                                                                                          | TF                                           | MG438                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV 1                                                   |
| 010                                                                                                                          | TF                                           | MG442                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV 1                                                   |
| 011                                                                                                                          | TF                                           | MG437                                                      | -                      | 090 (089.4)                           | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV 1                                                   |
| 012                                                                                                                          | TF                                           | MG433                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV 1                                                   |
| 013                                                                                                                          | TF                                           | LENHI                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV 1                                                   |
| <b>EPATA1A</b><br>RNAV1 (DME/DME) DME AMR Y MAR CRÍTICOS. // DME AMR AND MAR CRITICAL.                                       |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                                                                                                          | IF                                           | EPATA                                                      | -                      | -                                     | +0.6                                      | -                          | -                                     | -FL140*<br>+10000        | -                       | -               | RNAV1                                                    |
| 002                                                                                                                          | TF                                           | MG577                                                      | -                      | 346 (345.1)                           | +0.6                                      | 8.4                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 003                                                                                                                          | TF                                           | MG555                                                      | -                      | 312 (311.0)                           | +0.6                                      | 19.1                       | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 004                                                                                                                          | TF                                           | MG545                                                      | -                      | 311 (310.8)                           | +0.6                                      | 7.6                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 005                                                                                                                          | TF                                           | MG543                                                      | -                      | 303 (302.2)                           | +0.6                                      | 6.2                        | -                                     | -                        | -230                    | -               | RNAV1                                                    |
| 006                                                                                                                          | TF                                           | OBLAC                                                      | -                      | 303 (302.3)                           | +0.6                                      | 8.0                        | -                                     | -FL140<br>+7000          | -220                    | -               | RNAV1                                                    |
| 007                                                                                                                          | TF                                           | FOFUS                                                      | -                      | 315 (314.6)                           | +0.6                                      | 8.0                        | -                                     | -10000<br>+7000          | -                       | -               | RNAV1                                                    |
| 008                                                                                                                          | TF                                           | MG529                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 009                                                                                                                          | TF                                           | MG533                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 010                                                                                                                          | TF                                           | MG537                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                                                                                                          | TF                                           | MG541                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 012                                                                                                                          | TF                                           | MG437                                                      | -                      | 270 (269.6)                           | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 013                                                                                                                          | TF                                           | MG433                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 014                                                                                                                          | TF                                           | LENHI                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |
| *Sujeto a la actividad de la LED169. // Subject to LED169 activity.                                                          |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| <b>GDA1A</b>                                                                                                                 |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                                                                                                          | IF                                           | GDA                                                        | -                      | -                                     | +0.6                                      | -                          | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 002                                                                                                                          | TF                                           | MG539                                                      | -                      | 225 (224.6)                           | +0.6                                      | 28.8                       | -                                     | +10000                   | -230                    | -               | RNAV1                                                    |
| 003                                                                                                                          | TF                                           | OBLAC                                                      | -                      | 270 (269.7)                           | +0.6                                      | 8.0                        | -                                     | -FL140<br>+7000          | -220                    | -               | RNAV1                                                    |
| 004                                                                                                                          | TF                                           | FOFUS                                                      | -                      | 315 (314.6)                           | +0.6                                      | 8.0                        | -                                     | -10000<br>+7000          | -                       | -               | RNAV1                                                    |
| 005                                                                                                                          | TF                                           | MG529                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 006                                                                                                                          | TF                                           | MG533                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 007                                                                                                                          | TF                                           | MG537                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 008                                                                                                                          | TF                                           | MG541                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 009                                                                                                                          | TF                                           | MG437                                                      | -                      | 270 (269.6)                           | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 010                                                                                                                          | TF                                           | MG433                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                                                                                                          | TF                                           | LENHI                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |

| DESCRIPCIÓN TABULAR DEL PROCEDIMIENTO<br>PROCEDURE TABULAR DESCRIPTION              |                                              |                                                            |                        |                                      |                                           |                            |                                       |                          |                         |                 |                                                          |
|-------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|------------------------|--------------------------------------|-------------------------------------------|----------------------------|---------------------------------------|--------------------------|-------------------------|-----------------|----------------------------------------------------------|
| Número de serie<br>Serial number                                                    | Descriptor de trayectoria<br>Path Terminator | Identificador de punto de recorrido<br>Waypoint identifier | Sobrevuelo<br>Fly-over | Curso/ Derrota<br>Course/Track M (T) | Variación magnética<br>Magnetic variation | Distancia<br>Distance (NM) | Dirección de viraje<br>Turn direction | Altitud<br>Altitude (ft) | Velocidad<br>Speed (kt) | VPA/TCH<br>(ft) | Especificación de navegación<br>Navigation specification |
| <b>INKAL1A</b> (Sujeto a la actividad de la LED167. // Subject to LED167 activity.) |                                              |                                                            |                        |                                      |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                                                                 | IF                                           | INKAL                                                      | -                      | -                                    | +0.6                                      | -                          | -                                     | -FL140*<br>+10000        | -                       | -               | RNAV1                                                    |
| 002                                                                                 | TF                                           | PIZCU                                                      | -                      | 292 (291.4)                          | +0.6                                      | 16.0                       | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 003                                                                                 | TF                                           | MG539                                                      | -                      | 305 (304.7)                          | +0.6                                      | 13.7                       | -                                     | +8500                    | -230                    | -               | RNAV1                                                    |
| 004                                                                                 | TF                                           | OBLAC                                                      | -                      | 270 (269.7)                          | +0.6                                      | 8.0                        | -                                     | -FL140<br>+7000          | -220                    | -               | RNAV1                                                    |
| 005                                                                                 | TF                                           | FOFUS                                                      | -                      | 315 (314.6)                          | +0.6                                      | 8.0                        | -                                     | -10000<br>+7000          | -                       | -               | RNAV1                                                    |
| 006                                                                                 | TF                                           | MG529                                                      | -                      | 360 (359.6)                          | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 007                                                                                 | TF                                           | MG533                                                      | -                      | 360 (359.6)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 008                                                                                 | TF                                           | MG537                                                      | -                      | 360 (359.6)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 009                                                                                 | TF                                           | MG541                                                      | -                      | 360 (359.6)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 010                                                                                 | TF                                           | MG437                                                      | -                      | 270 (269.6)                          | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                                                                 | TF                                           | MG433                                                      | -                      | 180 (179.5)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 012                                                                                 | TF                                           | LENHI                                                      | -                      | 180 (179.5)                          | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |
| *Sujeto a la actividad de la LED169. // Subject to LED169 activity.                 |                                              |                                                            |                        |                                      |                                           |                            |                                       |                          |                         |                 |                                                          |
| <b>JRZ1A</b><br>RNAV1 (DME/DME) DME BLN CRÍTICO. // DME BLN CRITICAL.               |                                              |                                                            |                        |                                      |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                                                                 | IF                                           | JRZ                                                        | -                      | -                                    | +0.6                                      | -                          | -                                     | +12000                   | -                       | -               | RNAV1                                                    |
| 002                                                                                 | TF                                           | MG460                                                      | -                      | 089 (088.2)                          | +0.6                                      | 25.0                       | -                                     |                          | -                       | -               | RNAV1                                                    |
| 003                                                                                 | TF                                           | ECORE                                                      | -                      | 089 (088.5)                          | +0.6                                      | 15.6                       | -                                     | -FL140<br>+12000         | -230                    | -               | RNAV1                                                    |
| 004                                                                                 | TF                                           | MG436                                                      | -                      | 089 (088.8)                          | +0.6                                      | 8.0                        | -                                     | @12000                   | -220                    | -               | RNAV1                                                    |
| 005                                                                                 | TF                                           | OBIGE                                                      | -                      | 045 (044.4)                          | +0.6                                      | 8.0                        | -                                     | -10000<br>+8500          | -                       | -               | RNAV1                                                    |
| 006                                                                                 | TF                                           | MG430                                                      | -                      | 360 (359.4)                          | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 007                                                                                 | TF                                           | MG434                                                      | -                      | 360 (359.4)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 008                                                                                 | TF                                           | MG438                                                      | -                      | 360 (359.4)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 009                                                                                 | TF                                           | MG442                                                      | -                      | 360 (359.4)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 010                                                                                 | TF                                           | MG437                                                      | -                      | 090 (089.4)                          | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                                                                 | TF                                           | MG433                                                      | -                      | 180 (179.5)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 012                                                                                 | TF                                           | LENHI                                                      | -                      | 180 (179.5)                          | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |
| <b>NESDA1A</b><br>RNAV1 (DME/DME) DME GDA CRÍTICO. // DME GDA CRITICAL.             |                                              |                                                            |                        |                                      |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                                                                 | IF                                           | NESDA                                                      | -                      | -                                    | +0.6                                      | -                          | -                                     | +11000                   | -                       | -               | RNAV1                                                    |
| 002                                                                                 | TF                                           | IBACO                                                      | -                      | 234 (233.5)                          | +0.6                                      | 11.2                       | -                                     | +11000                   | -                       | -               | RNAV1                                                    |
| 003                                                                                 | TF                                           | OSENE                                                      | -                      | 270 (269.8)                          | +0.6                                      | 6.0                        | -                                     | +10000                   | -                       | -               | RNAV1                                                    |
| 004                                                                                 | TF                                           | PIZCU                                                      | -                      | 270 (269.7)                          | +0.6                                      | 6.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 005                                                                                 | TF                                           | MG539                                                      | -                      | 305 (304.7)                          | +0.6                                      | 13.7                       | -                                     | +8500                    | -230                    | -               | RNAV1                                                    |
| 006                                                                                 | TF                                           | OBLAC                                                      | -                      | 270 (269.7)                          | +0.6                                      | 8.0                        | -                                     | -FL140<br>+7000          | -220                    | -               | RNAV1                                                    |
| 007                                                                                 | TF                                           | FOFUS                                                      | -                      | 315 (314.6)                          | +0.6                                      | 8.0                        | -                                     | -10000<br>+7000          | -                       | -               | RNAV1                                                    |
| 008                                                                                 | TF                                           | MG529                                                      | -                      | 360 (359.6)                          | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 009                                                                                 | TF                                           | MG533                                                      | -                      | 360 (359.6)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 010                                                                                 | TF                                           | MG537                                                      | -                      | 360 (359.6)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                                                                 | TF                                           | MG541                                                      | -                      | 360 (359.6)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 012                                                                                 | TF                                           | MG437                                                      | -                      | 270 (269.6)                          | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 013                                                                                 | TF                                           | MG433                                                      | -                      | 180 (179.5)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 014                                                                                 | TF                                           | LENHI                                                      | -                      | 180 (179.5)                          | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |

| DESCRIPCIÓN TABULAR DEL PROCEDIMIENTO<br>PROCEDURE TABULAR DESCRIPTION |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
|------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|------------------------|---------------------------------------|-------------------------------------------|----------------------------|---------------------------------------|--------------------------|-------------------------|-----------------|----------------------------------------------------------|
| Número de serie<br>Serial number                                       | Descriptor de trayectoria<br>Path Terminator | Identificador de punto de recorrido<br>Waypoint identifier | Sobrevuelo<br>Fly-over | Curso / Derrota<br>Course/Track M (T) | Variación magnética<br>Magnetic variation | Distancia<br>Distance (NM) | Dirección de viraje<br>Turn direction | Altitud<br>Altitude (ft) | Velocidad<br>Speed (kt) | VPA/TCH<br>(ft) | Especificación de navegación<br>Navigation specification |
| <b>PIMOS1A</b>                                                         |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| → RNAV1 (DME/DME) DME BLN CRÍTICO. // DME BLN CRITICAL.                |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                                                    | IF                                           | PIMOS                                                      | -                      | -                                     | +0.6                                      | -                          | -                                     | +11000                   | -                       | -               | RNAV1                                                    |
| 002                                                                    | TF                                           | LUNUM                                                      | -                      | 019 (018.1)                           | +0.6                                      | 17.2                       | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 003                                                                    | TF                                           | MG452                                                      | -                      | 043 (042.2)                           | +0.6                                      | 8.0                        | -                                     | -                        | -250                    | -               | RNAV1                                                    |
| 004                                                                    | TF                                           | GUMAZ                                                      | -                      | 001 (000.7)                           | +0.6                                      | 6.9                        | -                                     | +11000                   | -                       | -               | RNAV1                                                    |
| 005                                                                    | TF                                           | BUKOX                                                      | -                      | 318 (317.6)                           | +0.6                                      | 13.5                       | -                                     | -FL140<br>+10000         | -220                    | -               | RNAV1                                                    |
| 006                                                                    | TF                                           | OBIGE                                                      | -                      | 345 (344.5)                           | +0.6                                      | 8.0                        | -                                     | -10000<br>+8500          | -                       | -               | RNAV1                                                    |
| 007                                                                    | TF                                           | MG430                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 008                                                                    | TF                                           | MG434                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 009                                                                    | TF                                           | MG438                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 010                                                                    | TF                                           | MG442                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                                                    | TF                                           | MG437                                                      | -                      | 090 (089.4)                           | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 012                                                                    | TF                                           | MG433                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 013                                                                    | TF                                           | LENHI                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |
| <b>SVL1A</b>                                                           |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| → RNAV1 (DME/DME) DME BLN CRÍTICO. // DME BLN CRITICAL.                |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                                                    | IF                                           | SVL                                                        | -                      | -                                     | +0.6                                      | -                          | -                                     | +12000                   | -                       | -               | RNAV1                                                    |
| 002                                                                    | TF                                           | ECORE                                                      | -                      | 143 (142.0)                           | +0.6                                      | 45.1                       | -                                     | -FL140<br>+12000         | -230                    | -               | RNAV1                                                    |
| 003                                                                    | TF                                           | MG436                                                      | -                      | 089 (088.8)                           | +0.6                                      | 8.0                        | -                                     | @12000                   | -220                    | -               | RNAV1                                                    |
| 004                                                                    | TF                                           | OBIGE                                                      | -                      | 045 (044.4)                           | +0.6                                      | 8.0                        | -                                     | -10000<br>+8500          | -                       | -               | RNAV1                                                    |
| 005                                                                    | TF                                           | MG430                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 006                                                                    | TF                                           | MG434                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 007                                                                    | TF                                           | MG438                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 008                                                                    | TF                                           | MG442                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 009                                                                    | TF                                           | MG437                                                      | -                      | 090 (089.4)                           | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 010                                                                    | TF                                           | MG433                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                                                    | TF                                           | LENHI                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |
| <b>UMUKA1A</b>                                                         |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| → RNAV1 (DME/DME) DME GDA CRÍTICO. // DME GDA CRITICAL.                |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                                                    | IF                                           | UMUKA                                                      | -                      | -                                     | +0.6                                      | -                          | -                                     | +10000                   | -                       | -               | RNAV1                                                    |
| 002                                                                    | TF                                           | IBACO                                                      | -                      | 270 (269.8)                           | +0.6                                      | 5.7                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 003                                                                    | TF                                           | OSENE                                                      | -                      | 270 (269.8)                           | +0.6                                      | 6.0                        | -                                     | +10000                   | -                       | -               | RNAV1                                                    |
| 004                                                                    | TF                                           | PIZCU                                                      | -                      | 270 (269.7)                           | +0.6                                      | 6.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 005                                                                    | TF                                           | MG539                                                      | -                      | 305 (304.7)                           | +0.6                                      | 13.7                       | -                                     | +8500                    | -230                    | -               | RNAV1                                                    |
| 006                                                                    | TF                                           | OBLAC                                                      | -                      | 270 (269.7)                           | +0.6                                      | 8.0                        | -                                     | -FL140<br>+7000          | -220                    | -               | RNAV1                                                    |
| 007                                                                    | TF                                           | FOFUS                                                      | -                      | 315 (314.6)                           | +0.6                                      | 8.0                        | -                                     | -10000<br>+7000          | -                       | -               | RNAV1                                                    |
| 008                                                                    | TF                                           | MG529                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 009                                                                    | TF                                           | MG533                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 010                                                                    | TF                                           | MG537                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                                                    | TF                                           | MG541                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 012                                                                    | TF                                           | MG437                                                      | -                      | 270 (269.6)                           | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 013                                                                    | TF                                           | MG433                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 014                                                                    | TF                                           | LENHI                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |



| DESCRIPCIÓN TABULAR DEL PROCEDIMIENTO |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
|---------------------------------------|----------------------------------------------|------------------------------------------------------------|------------------------|---------------------------------------|-------------------------------------------|----------------------------|---------------------------------------|--------------------------|-------------------------|-----------------|----------------------------------------------------------|
| PROCEDURE TABULAR DESCRIPTION         |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| Número de serie<br>Serial number      | Descriptor de trayectoria<br>Path Terminator | Identificador de punto de recorrido<br>Waypoint identifier | Sobrevuelo<br>Fly-over | Curso / Derrota<br>Course/Track M (T) | Variación magnética<br>Magnetic variation | Distancia<br>Distance (NM) | Dirección de viraje<br>Turn direction | Altitud<br>Altitude (ft) | Velocidad<br>Speed (kt) | VPA/TCH<br>(ft) | Especificación de navegación<br>Navigation specification |
| UNTOS2A                               |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                   | IF                                           | UNTOS                                                      | -                      | -                                     | +0.6                                      | -                          | -                                     | -FL290<br>+FL140         | -                       | -               | RNAV1                                                    |
| 002                                   | TF                                           | NESDA                                                      | -                      | 222 (221.1)                           | +0.6                                      | 34.0                       | -                                     | +FL135                   | -                       | -               | RNAV1                                                    |
| 003                                   | TF                                           | IBACO                                                      | -                      | 234 (233.5)                           | +0.6                                      | 11.2                       | -                                     | +11000                   | -                       | -               | RNAV1                                                    |
| 004                                   | TF                                           | OSENE                                                      | -                      | 270 (269.8)                           | +0.6                                      | 6.0                        | -                                     | +10000                   | -                       | -               | RNAV1                                                    |
| 005                                   | TF                                           | PIZCU                                                      | -                      | 270 (269.7)                           | +0.6                                      | 6.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 006                                   | TF                                           | MG539                                                      | -                      | 305 (304.7)                           | +0.6                                      | 13.7                       | -                                     | +8500                    | -230                    | -               | RNAV1                                                    |
| 007                                   | TF                                           | OBLAC                                                      | -                      | 270 (269.7)                           | +0.6                                      | 8.0                        | -                                     | -FL140<br>+7000          | -220                    | -               | RNAV1                                                    |
| 008                                   | TF                                           | FOFUS                                                      | -                      | 315 (314.6)                           | +0.6                                      | 8.0                        | -                                     | -10000<br>+7000          | -                       | -               | RNAV1                                                    |
| 009                                   | TF                                           | MG529                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 010                                   | TF                                           | MG533                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                   | TF                                           | MG537                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 012                                   | TF                                           | MG541                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 013                                   | TF                                           | MG437                                                      | -                      | 270 (269.6)                           | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 014                                   | TF                                           | MG433                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 015                                   | TF                                           | LENHI                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |
| VIBAS2A                               |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                   | IF                                           | VIBAS                                                      | -                      | -                                     | +0.6                                      | -                          | -                                     | -FL290<br>+10000         | -                       | -               | RNAV1                                                    |
| 002                                   | TF                                           | OSENE                                                      | -                      | 207 (206.5)                           | +0.6                                      | 45.6                       | -                                     | +10000                   | -250                    | -               | RNAV1                                                    |
| 003                                   | TF                                           | PIZCU                                                      | -                      | 270 (269.7)                           | +0.6                                      | 6.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 004                                   | TF                                           | MG539                                                      | -                      | 305 (304.7)                           | +0.6                                      | 13.7                       | -                                     | +8500                    | -230                    | -               | RNAV1                                                    |
| 005                                   | TF                                           | OBLAC                                                      | -                      | 270 (269.7)                           | +0.6                                      | 8.0                        | -                                     | -FL140<br>+7000          | -220                    | -               | RNAV1                                                    |
| 006                                   | TF                                           | FOFUS                                                      | -                      | 315 (314.6)                           | +0.6                                      | 8.0                        | -                                     | -10000<br>+7000          | -                       | -               | RNAV1                                                    |
| 007                                   | TF                                           | MG529                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 008                                   | TF                                           | MG533                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 009                                   | TF                                           | MG537                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 010                                   | TF                                           | MG541                                                      | -                      | 360 (359.6)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                   | TF                                           | MG437                                                      | -                      | 270 (269.6)                           | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 012                                   | TF                                           | MG433                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 013                                   | TF                                           | LENHI                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |



| DESCRIPCIÓN TABULAR DEL PROCEDIMIENTO<br>PROCEDURE TABULAR DESCRIPTION |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
|------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|------------------------|---------------------------------------|-------------------------------------------|----------------------------|---------------------------------------|--------------------------|-------------------------|-----------------|----------------------------------------------------------|
| Número de serie<br>Serial number                                       | Descriptor de trayectoria<br>Path Terminator | Identificador de punto de recorrido<br>Waypoint identifier | Sobrevuelo<br>Fly-over | Curso / Derrota<br>Course/Track M (T) | Variación magnética<br>Magnetic variation | Distancia<br>Distance (NM) | Dirección de viraje<br>Turn direction | Altitud<br>Altitude (ft) | Velocidad<br>Speed (kt) | VPA/TCH<br>(ft) | Especificación de navegación<br>Navigation specification |
| <b>VJF2A</b>                                                           |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| → RNAV1 (DME/DME) DME BLN CRÍTICO. // DME BLN CRITICAL.                |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                                                    | IF                                           | VJF                                                        | -                      | -                                     | +0.6                                      | -                          | -                                     | +11000                   | -                       | -               | RNAV1                                                    |
| 002                                                                    | TF                                           | MG492                                                      | -                      | 060 (059.4)                           | +0.6                                      | 31.4                       | -                                     | -FL230                   | -                       | -               | RNAV1                                                    |
| 003                                                                    | TF                                           | LUNUM                                                      | -                      | 100 (099.0)                           | +0.6                                      | 31.0                       | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 004                                                                    | TF                                           | MG452                                                      | -                      | 043 (042.2)                           | +0.6                                      | 8.0                        | -                                     | -                        | -250                    | -               | RNAV1                                                    |
| 005                                                                    | TF                                           | GUMAZ                                                      | -                      | 001 (000.7)                           | +0.6                                      | 6.9                        | -                                     | +11000                   | -                       | -               | RNAV1                                                    |
| 006                                                                    | TF                                           | BUKOX                                                      | -                      | 318 (317.6)                           | +0.6                                      | 13.5                       | -                                     | -FL140<br>+10000         | -220                    | -               | RNAV1                                                    |
| 007                                                                    | TF                                           | OBIGE                                                      | -                      | 345 (344.5)                           | +0.6                                      | 8.0                        | -                                     | -10000<br>+8500          | -                       | -               | RNAV1                                                    |
| 008                                                                    | TF                                           | MG430                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 009                                                                    | TF                                           | MG434                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 010                                                                    | TF                                           | MG438                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                                                    | TF                                           | MG442                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 012                                                                    | TF                                           | MG437                                                      | -                      | 090 (089.4)                           | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 013                                                                    | TF                                           | MG433                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 014                                                                    | TF                                           | LENHI                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |
| <b>VULPE2A</b>                                                         |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| → RNAV1 (DME/DME) DME BLN CRÍTICO. // DME BLN CRITICAL.                |                                              |                                                            |                        |                                       |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                                                    | IF                                           | VULPE                                                      | -                      | -                                     | +0.6                                      | -                          | -                                     | +10000                   | -                       | -               | RNAV1                                                    |
| 002                                                                    | TF                                           | EXTIR                                                      | -                      | 235 (234.3)                           | +0.6                                      | 13.6                       | -                                     | -FL230                   | -250                    | -               | RNAV1                                                    |
| 003                                                                    | TF                                           | MG458                                                      | -                      | 210 (209.3)                           | +0.6                                      | 8.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 004                                                                    | TF                                           | MG450                                                      | -                      | 180 (179.3)                           | +0.6                                      | 8.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 005                                                                    | TF                                           | BOLKA                                                      | -                      | 150 (149.3)                           | +0.6                                      | 8.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 006                                                                    | TF                                           | OSNAL                                                      | -                      | 180 (179.3)                           | +0.6                                      | 12.0                       | -                                     | -FL140<br>+8000          | -230                    | -               | RNAV1                                                    |
| 007                                                                    | TF                                           | MG432                                                      | -                      | 180 (179.4)                           | +0.6                                      | 8.0                        | -                                     | -12000<br>+7000          | -220                    | -               | RNAV1                                                    |
| 008                                                                    | TF                                           | OBIGE                                                      | -                      | 090 (089.4)                           | +0.6                                      | 5.6                        | -                                     | -10000<br>+7000          | -                       | -               | RNAV1                                                    |
| 009                                                                    | TF                                           | MG430                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 010                                                                    | TF                                           | MG434                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                                                    | TF                                           | MG438                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 012                                                                    | TF                                           | MG442                                                      | -                      | 360 (359.4)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 013                                                                    | TF                                           | MG437                                                      | -                      | 090 (089.4)                           | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 014                                                                    | TF                                           | MG433                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 015                                                                    | TF                                           | LENHI                                                      | -                      | 180 (179.5)                           | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |

DESCRIPCIÓN TABULAR DEL PROCEDIMIENTO  
PROCEDURE TABULAR DESCRIPTION

| Número de serie<br>Serial number                                                                                 | Descriptor de trayectoria<br>Path Terminator | Identificador de punto de recorrido<br>Waypoint identifier | Sobrevuelo<br>Fly-over | Curso / Derrota<br>Course/Track M(T) | Variación magnética<br>Magnetic variation | Distancia<br>Distance (NM) | Dirección de viraje<br>Turn direction | Altitud<br>Altitude (ft) | Velocidad<br>Speed (kt) | VPA/TCH<br>(ft) | Especificación de navegación<br>Navigation specification |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|------------------------|--------------------------------------|-------------------------------------------|----------------------------|---------------------------------------|--------------------------|-------------------------|-----------------|----------------------------------------------------------|
| <b>VULPE1G</b><br>RNAV1 (DME/DME) DME HIJ CRÍTICO. // DME HIJ CRITICAL.<br>USO TÁCTICO ATC. // ATC TACTICAL USE. |                                              |                                                            |                        |                                      |                                           |                            |                                       |                          |                         |                 |                                                          |
| 001                                                                                                              | IF                                           | VULPE                                                      | -                      | -                                    | +0.6                                      | -                          | -                                     | +10000                   | -                       | -               | RNAV1                                                    |
| 002                                                                                                              | TF                                           | MG549                                                      | -                      | 165 (164.5)                          | +0.6                                      | 23.6                       | -                                     | -FL200                   | -250                    | -               | RNAV1                                                    |
| 003                                                                                                              | TF                                           | PALOH                                                      | -                      | 150 (149.6)                          | +0.6                                      | 8.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 004                                                                                                              | TF                                           | USOME                                                      | -                      | 180 (179.6)                          | +0.6                                      | 12.0                       | -                                     | -FL140<br>+8000          | -230                    | -               | RNAV1                                                    |
| 005                                                                                                              | TF                                           | MG531                                                      | -                      | 180 (179.6)                          | +0.6                                      | 8.0                        | -                                     | -12000<br>+7000          | -220                    | -               | RNAV1                                                    |
| 006                                                                                                              | TF                                           | FOFUS                                                      | -                      | 270 (269.6)                          | +0.6                                      | 5.6                        | -                                     | -10000<br>+7000          | -                       | -               | RNAV1                                                    |
| 007                                                                                                              | TF                                           | MG529                                                      | -                      | 360 (359.6)                          | +0.6                                      | 4.0                        | -                                     | -                        | -210                    | -               | RNAV1                                                    |
| 008                                                                                                              | TF                                           | MG533                                                      | -                      | 360 (359.6)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 009                                                                                                              | TF                                           | MG537                                                      | -                      | 360 (359.6)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 010                                                                                                              | TF                                           | MG541                                                      | -                      | 360 (359.6)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 011                                                                                                              | TF                                           | MG437                                                      | -                      | 270 (269.6)                          | +0.6                                      | 5.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 012                                                                                                              | TF                                           | MG433                                                      | -                      | 180 (179.5)                          | +0.6                                      | 4.0                        | -                                     | -                        | -                       | -               | RNAV1                                                    |
| 013                                                                                                              | TF                                           | LENHI                                                      | -                      | 180 (179.5)                          | +0.6                                      | 4.0                        | -                                     | +7000                    | -                       | -               | RNAV1                                                    |

## CIRCUITOS DE ESPERA // HOLDING PATTERN

| Descriptor de trayectoria<br>Path Terminator | Identificador de punto de recorrido<br>Waypoint identifier | Sobrevuelo<br>Fly-over | Curso/Derrota<br>Course/Track M(T) | Variación magnética<br>Magnetic variation | Distancia/<br>Tiempo de alejamiento/<br>Distance/<br>Outbound time | Dirección de viraje<br>Turn direction | Altitud MNM<br>MNM altitude (ft) | Altitud MAX<br>MAX altitude (ft) | Velocidad<br>Speed (kt) | Especificación de navegación<br>Navigation specification |
|----------------------------------------------|------------------------------------------------------------|------------------------|------------------------------------|-------------------------------------------|--------------------------------------------------------------------|---------------------------------------|----------------------------------|----------------------------------|-------------------------|----------------------------------------------------------|
| HM                                           | BUKOX                                                      | -                      | 345 (344.5)                        | +0.6                                      | 1 MIN                                                              | R                                     | 10000                            | -                                | -220                    | RNAV1                                                    |
| HM                                           | ECORE                                                      | -                      | 089 (088.5)                        | +0.6                                      | 1 MIN                                                              | L                                     | 12000                            | -                                | -230                    | RNAV1                                                    |
| HM                                           | EXTIR                                                      | -                      | 210 (209.3)                        | +0.6                                      | 1 MIN                                                              | L                                     | FL150                            | -                                | -250                    | RNAV1                                                    |
| HM                                           | LENHI                                                      | -                      | 180 (179.5)                        | +0.6                                      | 1 MIN                                                              | L                                     | 7000                             | -                                | -210                    | RNAV1                                                    |
| HM                                           | LUNUM                                                      | -                      | 059 (058.5)                        | +0.6                                      | 1 MIN                                                              | R                                     | 11000 (1)                        | -                                | -250                    | RNAV1                                                    |
| HM                                           | OBLAC                                                      | -                      | 345 (344.0)                        | +0.6                                      | 1 MIN                                                              | R                                     | 7000                             | -                                | -220                    | RNAV1                                                    |
| HM                                           | OLALE                                                      | -                      | 210 (209.6)                        | +0.6                                      | 1 MIN                                                              | L                                     | FL150                            | -                                | -250                    | RNAV1                                                    |
| HM                                           | OSNAL                                                      | -                      | 180 (179.3)                        | +0.6                                      | 1 MIN                                                              | R                                     | 8000                             | -                                | -230                    | RNAV1                                                    |
| HM                                           | PIZCU (3)                                                  | -                      | 270 (269.7)                        | +0.6                                      | 1 MIN                                                              | L                                     | 10000                            | FL140 (2)                        | -250                    | RNAV1                                                    |
| HM                                           | USOME                                                      | -                      | 180 (179.6)                        | +0.6                                      | 1 MIN                                                              | L                                     | 8000                             | -                                | -230                    | RNAV1                                                    |

(1) 8000 ft MNM ALT para uso táctico ATC. // 8000 ft MNM ALT for ATC tactical use.

(2) Sujeto a la actividad de la LED169. // Subject to LED169 activity.

(3) Sujeto a la actividad de la LED167. // Subject to LED167 activity.