

de la Autoridad Aeronáutica. Se exceptúan aeronaves en vuelos de Estado.

Aeronautical Authority. Aircrafts in State flights are excluded.

**COORDENADAS DE LOS PUNTOS DE RECORRIDO / WAYPOINTS COORDINATES AD MUMZ**

| Punto de recorrido/<br>Waypoint name | Latitud (N)  | Longitud (W)  | Propósito / Purpose  |
|--------------------------------------|--------------|---------------|----------------------|
| MZ808                                | 20°15'31.78" | 077°11'56.16" | RNP RWY08            |
| MZ826                                | 20°19'04.54" | 076°58'39.87" | RNP RWY26            |
| MZ830                                | 20°29'10.66" | 077°09'12.31" | RNP RWY08, RNP RWY26 |
| PURUT                                | 20°14'09.62" | 077°17'03.11" | RNP RWY08            |
| SINSO                                | 20°20'31.49" | 076°53'14.67" | RNP RWY26            |

**MUMZ AD 2.24 CARTAS RELATIVAS AL AERODROMO  
MUMZ AD 2.24 CHARTS RELATED TO AN AERODROME**

| Charts                            | Pages            |
|-----------------------------------|------------------|
| AD 2 MUMZ ADC.pdf                 | AD 2 MUMZ 2 - 1  |
| AD 2 MUMZ APDC.pdf                | AD 2 MUMZ 3 - 1  |
| AD 2 MUMZ AOC.pdf                 | AD 2 MUMZ 4 - 1  |
| AD 2 MUMZ RNP RWY08.pdf           | AD 2 MUMZ 7 - 1  |
| AD 2 MUMZ RNP RWY26.pdf           | AD 2 MUMZ 7 - 5  |
| AD 2 MUMZ VAC.pdf                 | AD 2 MUMZ 9 - 1  |
| AD 2 MUMZ CONCENT AVES(BIRDS).pdf | AD 2 MUMZ 10 - 1 |

**MUMZ AD 2.25 PENETRACIÓN DE LA SUPERFICIE DEL SEGMENTO VISUAL (VSS)  
MUMZ AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION**

No se aplica / Not applicable

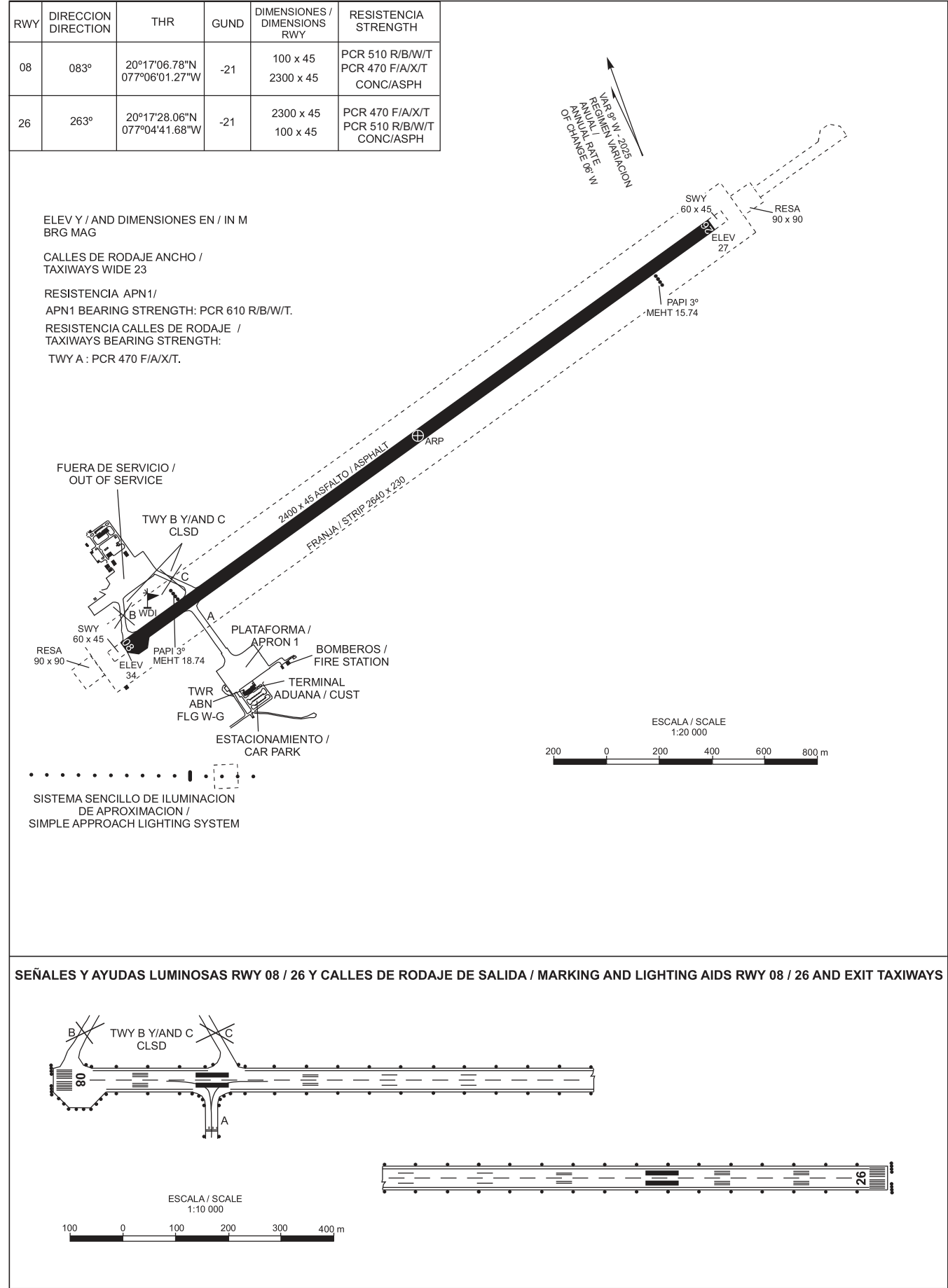
PLANO DE AERODROMO - OACI /  
AERODROME CHART - ICAO

20°17'17"N  
077°05'21"W

ELEV 34

TWR 118.300

MANZANILLO / Sierra Maestra

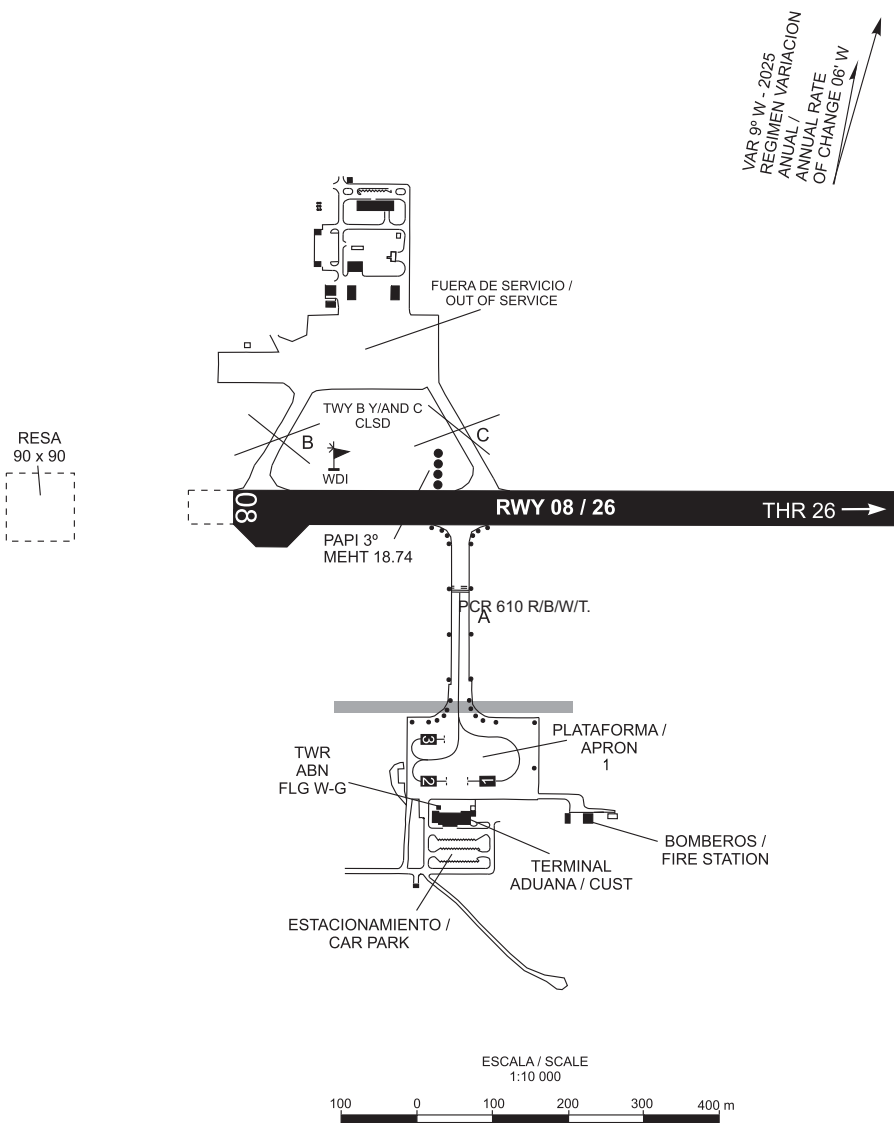


PLANO DE ESTACIONAMIENTO Y ATRAQUE DE AERONAVES - OACI /  
AIRCRAFT PARKING / DOCKING CHART - ICAO

ELEV  
APN  
NIL

TWR 118.300

MANZANILLO / Sierra Maestra



| COORDENADAS INS DE PUESTOS<br>DE ESTACIONAMIENTO DE AERONAVES /<br>INS COORDINATES FOR AIRCRAFT STANDS |                              |
|--------------------------------------------------------------------------------------------------------|------------------------------|
| PLATAFORMA / APRON                                                                                     |                              |
| 1                                                                                                      | 20°16'58.21"N 077°05'47.47"W |
| 2                                                                                                      | 20°16'57.78"N 077°05'49.12"W |
| 3                                                                                                      | 20°16'59.61"N 077°05'49.30"W |

| LEYENDA / LEGEND                                      |   |
|-------------------------------------------------------|---|
| PUESTOS ESTACIONAMIENTO<br>AERONAVES / AIRCRAFT STAND | 5 |
| LUCES CALLES DE RODAJE /<br>TAXIWAY LIGHT             | • |
| RODAJE - PUNTO DE ESPERA /<br>TAXI - HOLDING POSITION | — |
| LIMITE DEL SERVICIO ATC /<br>ATC SERVICE BOUNDARY     | — |

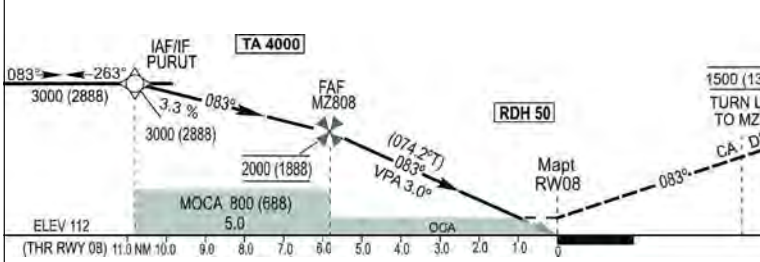
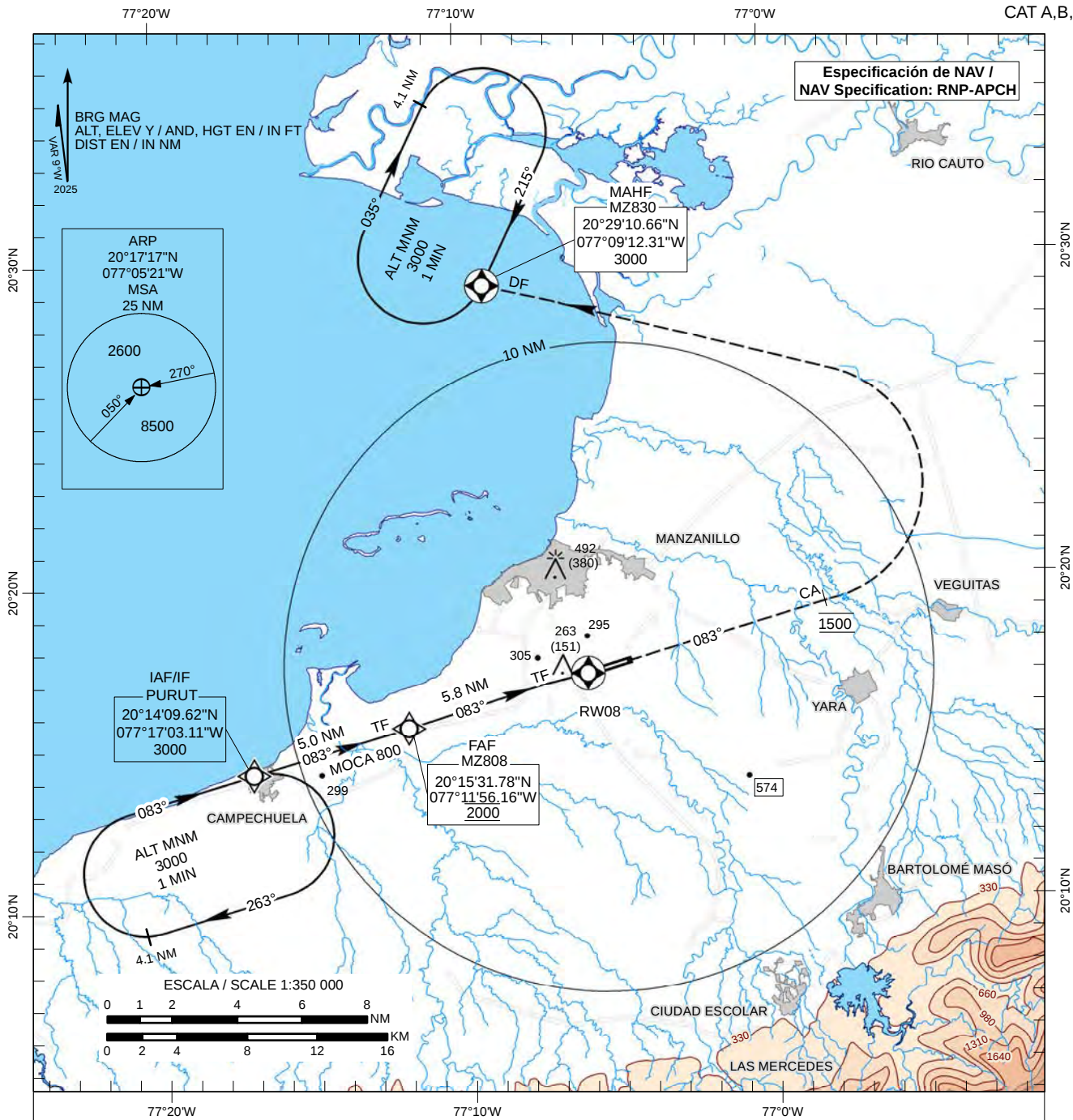
CALLES DE RODAJE ANCHO /  
TAXIWAYS WIDE 23  
RESISTENCIA CALLES DE RODAJE /  
TAXIWAYS BEARING STRENGTH:  
TWY A : PCR 470 F/A/X/T  
RESISTENCIA PLATAFORMA 1 /  
APN 1 BEARING STRENGTH :  
PCR 610 R/B/W/T.

CARTA DE APROXIMACION POR INSTRUMENTOS - OACI /  
INSTRUMENT APPROACH CHART - ICAO

ELEV 112  
OCH REF THR RWY08  
ELEV 112

APP 120.400  
TWR 118.300

MANZANILLO / Sierra Maestra Intl  
RNP (LNAV/VNAV, LNAV)  
RWY 08  
CAT A,B,C,D



**APROXIMACIÓN FRUSTRADA / MISSED APPROACH**  
ASCIENDA EN DERROTA 083° HASTA 1500 FT, VIRE A LA IZQUIERDA DIRECTO A PATRÓN DE ESPERA MZ830 A 3000 FT Y ESPERE INSTRUCCIONES ATC / CLIMB ON TRACK 083° UNTIL 1500 FT, TURN LEFT DIRECT TO MZ830 HOLDING PATTERN AT 3000 FT AND EXPECT ATC INSTRUCTIONS.

**NOTA / REMARK**  
(POR LA PÉRDIDA DE LA CAPACIDAD RNAV / FOR LOSS OF RNAV CAPABILITY): ASCIENDA EN DERROTA 083° HASTA 3000 FT Y SOLICITE INSTRUCCIONES ATC / CLIMB ON TRACK 083° UNTIL 3000 FT AND REQUEST ATC INSTRUCTIONS.

| OCA(H)                 | A                   | B                    | C | D | DISTANCIA /<br>DISTANCE | NM             | KT             | 80             | 100          | 120  | 140  | 160  | 180  |
|------------------------|---------------------|----------------------|---|---|-------------------------|----------------|----------------|----------------|--------------|------|------|------|------|
| LNAV / VNAV            | 470 (358) 1.2 KM    |                      |   |   | FAF - RW08              | 5.8            | MIN<br>SEC     | 4:21           | 3:29         | 2:54 | 2:29 | 2:11 | 1:56 |
| LNAV                   | 510 (398) 1.7 KM    |                      |   |   | VSP GS 3.00°            |                | FT<br>MIN      | 430            | 530          | 640  | 740  | 850  | 960  |
| CIRCULAR /<br>CIRCLING | 700 (588)<br>3.1 KM | 1000 (888)<br>4.8 KM |   |   | NM to RW08              | 5.0 NM         | 4.0 NM         | 3.0 NM         | 2.0 NM       |      |      |      |      |
|                        |                     |                      |   |   | ALT / (HGT)             | 1750<br>(1638) | 1430<br>(1318) | 1120<br>(1008) | 800<br>(688) |      |      |      |      |

**TABLAS DE CODIFICACIÓN DEL PROCEDIMIENTO DE APROXIMACIÓN POR INSTRUMENTOS RNP /  
RNP INSTRUMENT APPROACH PROCEDURE CODING TABLES.  
MUMZ RWY 08. SIERRA MAESTRA INTL.**

**IAF/IF PURUT**

| Número de serie/<br>Serial Number | Descriptor de trayectoria/<br>Path Descriptor | Identificador del punto de recorrido/<br>Waypoint Identifier | Sobre vuelo/<br>Fly-Over | Curso/<br>Course/<br>°MAG (°T) | Variación magnética/<br>Magnetic variation (°) | Distancia/<br>Distance (NM) | Distancia hasta/<br>Distance to THR 08 (NM) | Dirección viraje/<br>Turn direction | Altitud/<br>Altitude (FT) | Velocidad límite/<br>Speed limit (KT) | VPA (°) TCH (FT) | Especificación de navegación/<br>Navigation Specification |
|-----------------------------------|-----------------------------------------------|--------------------------------------------------------------|--------------------------|--------------------------------|------------------------------------------------|-----------------------------|---------------------------------------------|-------------------------------------|---------------------------|---------------------------------------|------------------|-----------------------------------------------------------|
| 001                               | IF                                            | PURUT                                                        | -                        | -                              | -8.4                                           | -                           | -                                           | -                                   | 3000                      | -                                     | -                | RNP APCH                                                  |
| 002                               | TF                                            | MZ808                                                        | -                        | 083 (074.2)                    | -8.4                                           | 5.0                         | -                                           | -                                   | @2000                     | -                                     | -                | RNP APCH                                                  |
| 003                               | TF                                            | RW08                                                         | Y                        | 083 (074.2)                    | -8.4                                           | 5.8                         | -                                           | -                                   | +470                      | -                                     | -3.0/50          | RNP APCH                                                  |
| 004                               | CA                                            | -                                                            | -                        | 083 (074.2)                    | -8.4                                           | -                           | -                                           | -                                   | @1500                     | -                                     | -                | RNP APCH                                                  |
| 005                               | DF                                            | MZ830                                                        | Y                        | -                              | -8.4                                           | -                           | -                                           | L                                   | 3000                      | -                                     | -                | RNP APCH                                                  |

**TABLA DE CODIFICACIÓN DE LAS ESPERAS CON FUNCIONALIDAD / CODING TABLE FOR HOLDINGS WITH FUNCTIONALITY.  
RNAV (GNSS) MUMZ RWY 08**

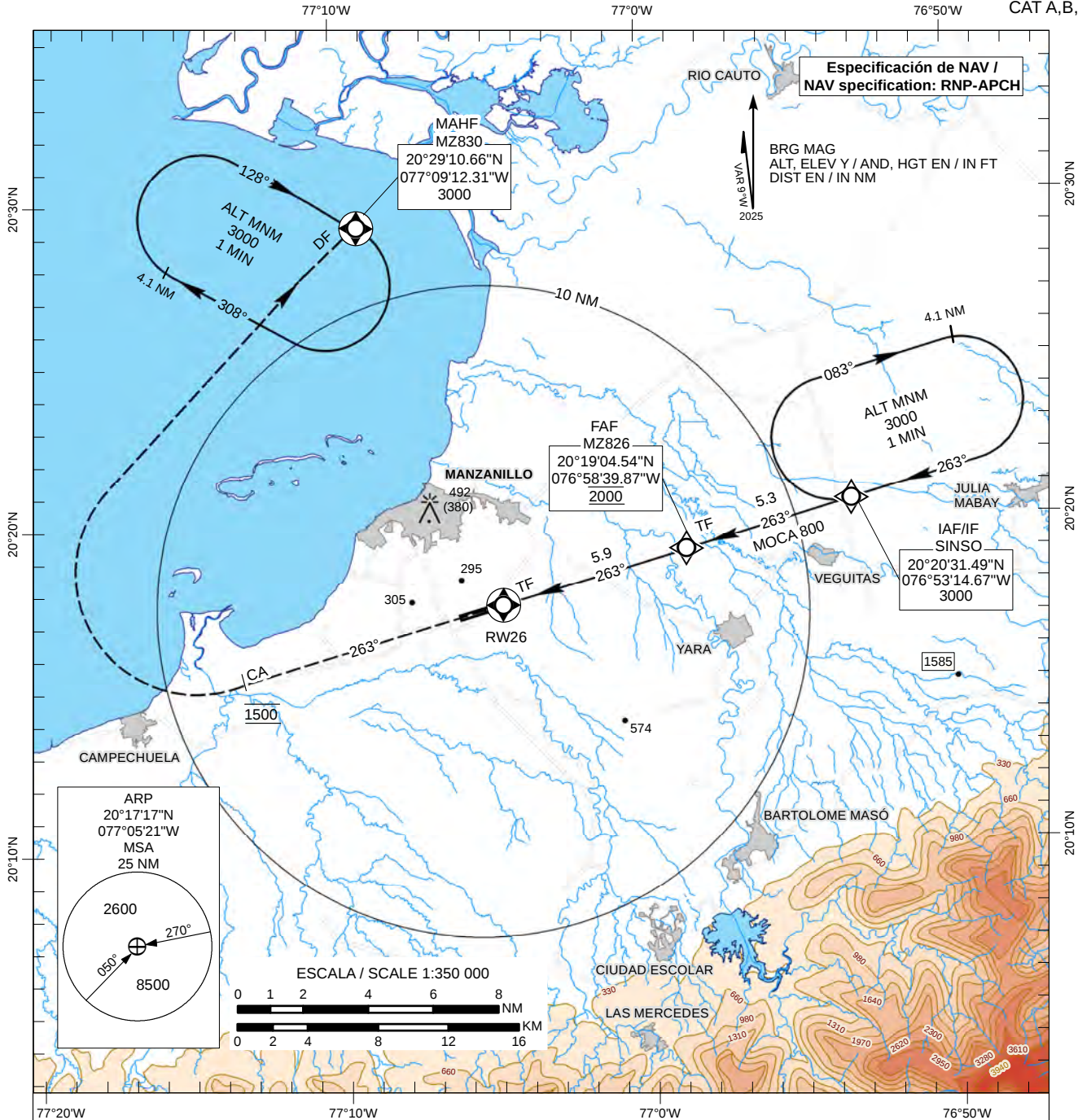
| Descriptor de trayectoria/<br>Path Descriptor | Identificador del punto de recorrido/<br>Waypoint Identifier | Rumbo de acercamiento/<br>Approach heading °MAG (°T) | Dirección viraje/<br>Turn direction/<br>Distance | Altitud mínima/<br>Minimum altitude (FT) | Altitud máxima/<br>Maximum altitude (FT) | Límite de Velocidad/<br>Speed Limit (KT) | Declinación magnética/<br>Magnetic declination (°) | Especificación de navegación/<br>Navigation Specification |
|-----------------------------------------------|--------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|----------------------------------------------------|-----------------------------------------------------------|
| Espera/<br>Holding                            | PURUT                                                        | 083 (074.1)                                          | R /4.1NM                                         | 3000                                     | FL140                                    | -230                                     | -8.4                                               | RNAV-1                                                    |
| Espera/<br>Holding                            | MZ830                                                        | 215 (206.2)                                          | R /4.1NM                                         | 3000                                     | FL140                                    | -230                                     | -8.4                                               | RNAV-1                                                    |

CARTA DE APROXIMACION POR INSTRUMENTOS - OACI /  
INSTRUMENT APPROACH CHART - ICAO

ELEV 112  
OCH REF THR RWY26  
ELEV 89

APP 120.400  
TWR 118.300

MANZANILLO / Sierra Maestra Intl  
RNP (LNAV/VNAV, LNAV)  
RWY26  
CAT A,B,C,D

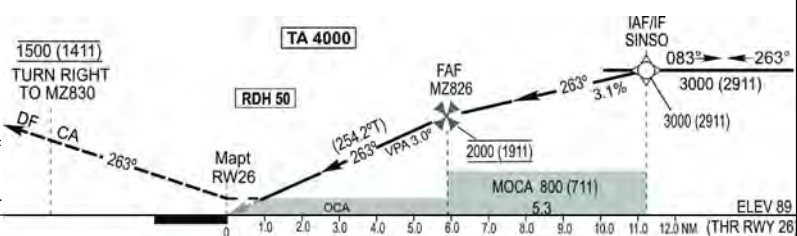


**APROXIMACIÓN FRUSTRADA / MISSED APPROACH**

ASCIENDA EN DERROTA 263° HASTA 1500 FT, VIRE A LA DERECHA DIRECTO A PATRÓN DE ESPERA MZ830 A 3000 FT Y ESPERE INSTRUCCIONES ATC / CLIMB ON TRACK 263° UNTIL 1500 FT, TURN RIGHT DIRECT TO MZ830 HOLDING PATTERN AT 3000 FT AND EXPECT ATC INSTRUCTIONS.

**NOTA / REMARK**

(POR LA PÉRDIDA DE LA CAPACIDAD RNAV / FOR LOSS OF RNAV CAPABILITY): ASCIENDA EN DERROTA 263° HASTA 3000 FT Y SOLICITE INSTRUCCIONES ATC / CLIMB ON TRACK 263° UNTIL 3000 FT AND REQUEST ATC INSTRUCTIONS.



| OCA(H)                 | A                   | B | C                    | D | DISTANCIA /<br>DISTANCE | NM             | KT             | 80             | 100          | 120          | 140  | 160  | 180  |
|------------------------|---------------------|---|----------------------|---|-------------------------|----------------|----------------|----------------|--------------|--------------|------|------|------|
| LNAV / VNAV            | 360 (271) 1.5 KM    |   |                      |   | FAF - RW08              | 5.9            | MIN<br>SEC     | 4:26           | 3:32         | 2:57         | 2:32 | 2:13 | 1:58 |
| LNAV                   | 420 (331) 1.8 KM    |   |                      |   | VSP GS 3.00°            |                | FT<br>MIN      | 430            | 530          | 640          | 740  | 850  | 960  |
| CIRCULAR /<br>CIRCLING | 700 (588)<br>3.1 KM |   | 1000 (888)<br>4.8 KM |   | NM to RW26              | 5.0 NM         | 4.0 NM         | 3.0 NM         | 2.0 NM       | 1.0 NM       |      |      |      |
|                        |                     |   |                      |   | ALT / (HGT)             | 1730<br>(1641) | 1410<br>(1321) | 1090<br>(1001) | 780<br>(691) | 460<br>(371) |      |      |      |

TABLAS DE CODIFICACIÓN DEL PROCEDIMIENTO DE APROXIMACIÓN POR INSTRUMENTOS RNP /  
RNP INSTRUMENT APPROACH PROCEDURE CODING TABLES.  
MUMZ RWY 26. SIERRA MAESTRA INTL.

IAF/IF SINSO

| Número de serie/<br>Serial Number | Descriptor de trayectoria/<br>Path Descriptor | Identificador del punto de recorrido/<br>Waypoint Identifier | Sobre vueb/<br>Fly-Over | Curso/<br>Course °MAG (°T) | Variación magnética/<br>Magnetic variation (°) | Distancia /<br>Distance (NM) | Distancia hasta/<br>Distance to THR26 (NM) | Dirección viraje/<br>Turn direction | Altitud/<br>Altitude (FT) | Velocidad límite/<br>Speed limit (KT) | VPA (°) TCH (FT) | Especificación de navegación/<br>Navigation Specification |
|-----------------------------------|-----------------------------------------------|--------------------------------------------------------------|-------------------------|----------------------------|------------------------------------------------|------------------------------|--------------------------------------------|-------------------------------------|---------------------------|---------------------------------------|------------------|-----------------------------------------------------------|
| 001                               | IF                                            | SINSO                                                        | -                       | -                          | -8.4                                           | -                            | -                                          | -                                   | 3000                      | -                                     | -                | RNP APCH                                                  |
| 002                               | TF                                            | MZ826                                                        | -                       | 263 (254.2)                | -8.4                                           | 5.3                          | -                                          | -                                   | @2000                     | -                                     | -                | RNP APCH                                                  |
| 003                               | TF                                            | RW26                                                         | Y                       | 263 (254.2)                | -8.4                                           | 5.9                          | -                                          | -                                   | +360                      | -                                     | -3.0/50          | RNP APCH                                                  |
| 004                               | CA                                            | -                                                            | -                       | 263 (254.2)                | -8.4                                           | -                            | -                                          | -                                   | @1500                     | -                                     | -                | RNP APCH                                                  |
| 005                               | DF                                            | MZ830                                                        | Y                       | -                          | -8.4                                           | -                            | -                                          | R                                   | 3000                      | -                                     | -                | RNP APCH                                                  |

CODIFICACIÓN DE LAS ESPERAS CON FUNCIONALIDAD / CODING TABLE FOR HOLDINGS WITH FUNTIONALITY.  
RNAV (GNSS) MUMZ RWY 26

| Descriptor de trayectoria/<br>Path Descriptor | Identificador del punto de recorrido/<br>Waypoint Identifier | Rumbo de acercamiento/<br>Approach heading °MAG (°T) | Dirección viraje/<br>Turn direction/<br>Distance | Altitud mínima/<br>Minimum altitude (FT) | Altitud máxima/<br>Maximum altitude (FT) | Límite de Velocidad/<br>Speed Limit (KT) | Declinación magnética/<br>Magnetic declination (°) | Especificación de navegación/<br>Navigation Specification |
|-----------------------------------------------|--------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|----------------------------------------------------|-----------------------------------------------------------|
| Espera/<br>Holding                            | SINSO                                                        | 263 (254.1)                                          | R /4.1NM                                         | 3000                                     | FL140                                    | -230                                     | -8.4                                               | RNAV-1                                                    |
| Espera/<br>Holding                            | MZ830                                                        | 128 (119.8 )                                         | R /4.1NM                                         | 3000                                     | FL140                                    | -230                                     | -8.4                                               | RNAV-1                                                    |

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