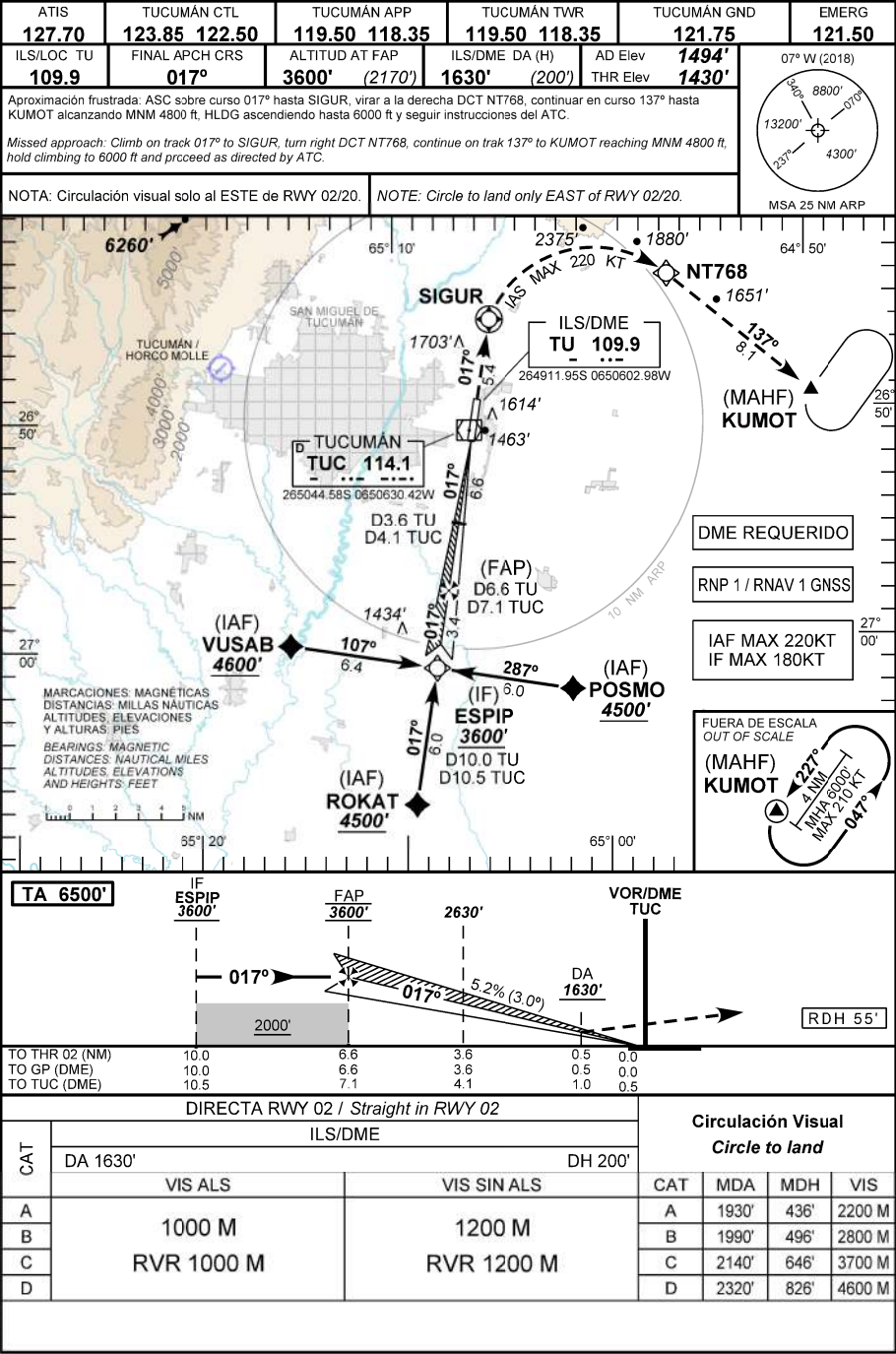


TENIENTE BENJAMÍN MATIENZO (SANT)  
TUCUMÁN

Carta de aproximación por instrumentos  
Instrument approach chart

ILS Z RWY 02



TENIENTE BENJAMÍN MATIENZO (SANT) ILS Z RWY 02

| FIX IDENT | COORDINATES                    |
|-----------|--------------------------------|
| VUSAB     | 27°00'00.64" S 065°15'26.39" W |
| ROKAT     | 27°07'02.41" S 065°09'28.83" W |
| POSMO     | 27°02'07.89" S 065°01'43.00" W |
| ESPIP     | 27°01'06.67" S 065°08'20.25" W |
| FAP       | 26°57'47.50" S 065°07'42.10" W |
| RW02      | 26°51'13.62" S 065°06'26.35" W |
| SIGUR     | 26°45'55.69" S 065°05'25.15" W |
| NT768     | 26°44'06.08" S 064°56'43.09" W |
| KUMOT     | 26°49'18.62" S 064°49'49.02" W |

11 AGOSTO 2022

| 1/2 TENIENTE BENJAMÍN MATIENZO (SANT) ILS Z RWY 02 |           |                    |             |                  |                  |      |                     |                     |                             |     |                   |
|----------------------------------------------------|-----------|--------------------|-------------|------------------|------------------|------|---------------------|---------------------|-----------------------------|-----|-------------------|
| Seq<br>Num                                         | Fix Ident | Path<br>Terminator | Fly<br>Over | Distance<br>(NM) | Course<br>M°(T°) | Turn | Altitude<br>(ft/FL) | Speed<br>Limit (Kt) | Navigation<br>Specification | RNP | Dec<br>(ARP 2018) |
| 010                                                | VUSAB     | IF                 | N           | N/A              | N/A              | N/A  | +4600               | -220                | RNAV 1 RNP 1                | 1.0 | 7 W               |
| 020                                                | ESPIP     | TF                 | N           | 6.4              | 107 (099.8)      | N/A  | +3600               | -180                | RNAV 1 RNP 1                | 1.0 | 7 W               |
| 010                                                | ROKAT     | IF                 | N           | N/A              | N/A              | N/A  | +4500               | -220                | RNAV 1 RNP 1                | 1.0 | 7 W               |
| 020                                                | ESPIP     | TF                 | N           | 6.0              | 017 (009.8)      | N/A  | +3600               | -180                | RNAV 1 RNP 1                | 1.0 | 7 W               |
| 010                                                | POSMO     | IF                 | N           | N/A              | N/A              | N/A  | +4500               | -220                | RNAV 1 RNP 1                | 1.0 | 7 W               |
| 020                                                | ESPIP     | TF                 | N           | 6.0              | 287 (279.8)      | N/A  | +3600               | -180                | RNAV 1 RNP 1                | 1.0 | 7 W               |
| 010                                                | ESPIP     | IF                 | N           | N/A              | N/A              | N/A  | +3600               | -180                | N/A                         | N/A | 7 W               |
| 020                                                | FAP       | CF                 | N           | 3.4              | 017 (009.8)      | N/A  | @3600               | N/A                 | N/A                         | N/A | 7 W               |
| 030                                                | RW02      | CF                 | Y           | 6.6              | 017 (009.8)      | N/A  | @1485               | N/A                 | N/A                         | N/A | 7 W               |
| 040                                                | SIGUR     | CF                 | Y           | 5.4              | 017 (009.8)      | N/A  | N/A                 | -220                | RNAV 1 RNP 1                | 1.0 | 7 W               |

11 AGOSTO 2022

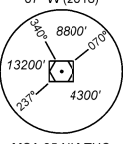
| 2/2 TENIENTE BENJAMÍN MATIENZO (SANT) ILS Z RWY 02 |           |                 |          |               |               |      |                  |                  |                          |     |                |
|----------------------------------------------------|-----------|-----------------|----------|---------------|---------------|------|------------------|------------------|--------------------------|-----|----------------|
| Seq Num                                            | Fix Ident | Path Terminator | Fly Over | Distance (NM) | Course M°(T°) | Turn | Altitude (ft/FL) | Speed Limit (Kt) | Navigation Specification | RNP | Dec (ARP 2018) |
| 050                                                | NT768     | DF              | N        | N/A           | N/A           | R    | N/A              | -220             | RNAV 1 RNP 1             | 1.0 | 7 W            |
| 060                                                | KUMOT     | TF              | N        | 8.1           | 137 (130.0)   | N/A  | +4800            | -220             | RNAV 1 RNP 1             | 1.0 | 7 W            |
| 070                                                | KUMOT     | HM              | Y        | 4.0           | 227 (219.8)   | L    | +6000            | -210             | RNAV 1 RNP 1             | 1.0 | 7 W            |

11 AGOSTO 2022

TENIENTE BENJAMÍN MATIENZO (SANT)  
TUCUMÁN

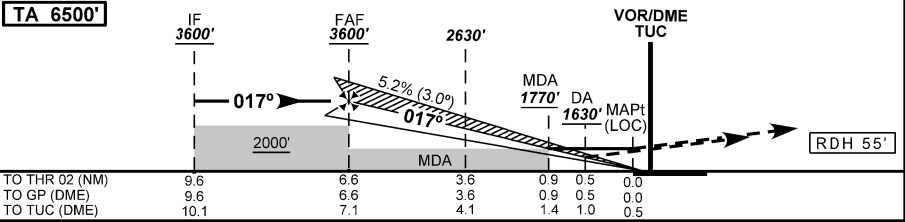
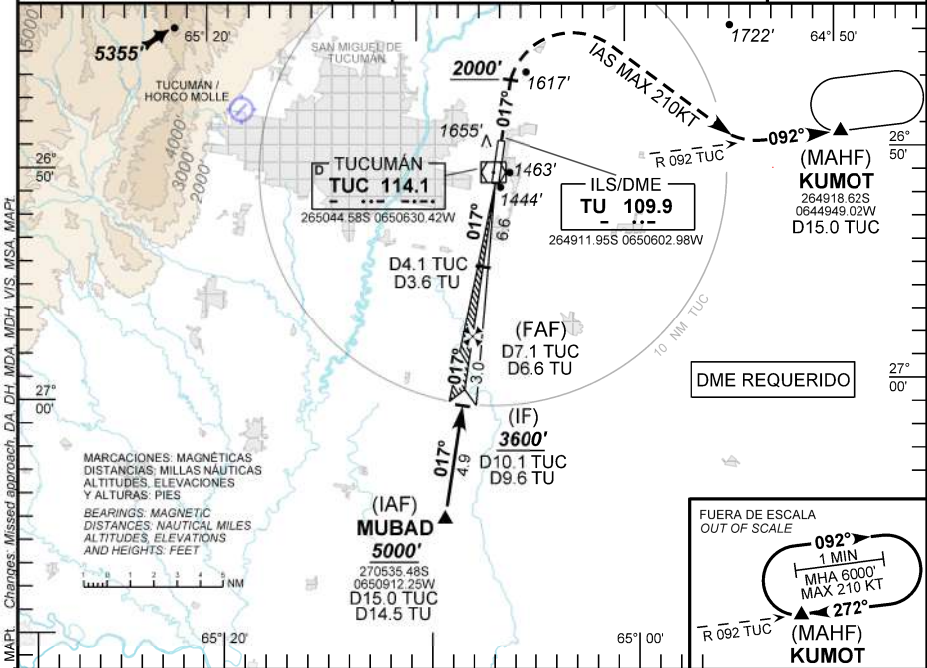
Carta de aproximación por instrumentos  
Instrument approach chart

ILS Y RWY 02

|                            |                                     |                                         |                                       |                                                     |                                                                                                    |
|----------------------------|-------------------------------------|-----------------------------------------|---------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------|
| ATIS<br><b>127.70</b>      | TUCUMÁN CTL<br><b>123.85 122.50</b> | TUCUMÁN APP<br><b>119.50 118.35</b>     | TUCUMÁN TWR<br><b>119.50 118.35</b>   | TUCUMÁN GND<br><b>121.75</b>                        | EMERG<br><b>121.50</b>                                                                             |
| ILS/LOC TU<br><b>109.9</b> | FINAL APCH CRS<br><b>017°</b>       | ALTITUD MNM FAF<br><b>3600'</b> (2170') | ILS/DME DA (H)<br><b>1630'</b> (200') | AD Elev<br><b>1494'</b><br>THR Elev<br><b>1430'</b> | 07° W (2018)<br> |

Aproximación frustrada: ASC HDG 017° hasta 2000 ft, luego virar a la derecha para interceptar R 092 TUC hasta KUMOT (D15.0 TUC) alcanzando MNM 4400 ft, HLDG ascendiendo hasta 6000 ft y seguir instrucciones del ATC.  
Missed approach: Climb HDG 017° until 2000 ft, then turn right to intercept R 092 TUC until KUMOT (D15.0 TUC) reaching MNM 4400 ft, hold climbing to 6000 ft and proceed as directed by ATC.

NOTA: Circulación visual solo al ESTE de RWY 02/20. NOTE: Circle to land only EAST of RWY 02/20.



| PANS OPS          | Cambios: Aproximación frontal | DIRECTA RWY 02 / <i>Straight in RWY 02</i> |            |        |             |        |  |           |        |             |        | Circulación Visual<br><i>Circle to land</i> |      |        |     |        |     |        |  |       |  |       |  |
|-------------------|-------------------------------|--------------------------------------------|------------|--------|-------------|--------|--|-----------|--------|-------------|--------|---------------------------------------------|------|--------|-----|--------|-----|--------|--|-------|--|-------|--|
|                   |                               | CAT                                        | ILS/DME    |        |             |        |  | LOC/DME   |        |             |        |                                             |      |        |     |        |     |        |  |       |  |       |  |
|                   |                               |                                            | DA 1630'   |        | DH 200'     |        |  | MDA 1770' |        | MDH 340'    |        |                                             |      |        |     |        |     |        |  |       |  |       |  |
|                   |                               |                                            | VIS ALS    |        | VIS SIN ALS |        |  | VIS ALS   |        | VIS SIN ALS |        |                                             |      |        |     |        |     |        |  |       |  |       |  |
|                   |                               |                                            | A          | 1000 M |             | 1200 M |  |           | 1500 M |             | 1700 M |                                             |      | CAT    | MDA | MDH    | VIS |        |  |       |  |       |  |
| B                 | RVR 1000 M                    |                                            | RVR 1200 M |        |             | 1700 M |  | 1900 M    |        |             | B      | 2000'                                       | 506' | 2800 M |     |        |     |        |  |       |  |       |  |
| C                 |                               |                                            |            |        |             |        |  |           |        |             | C      | 2140'                                       | 646' | 3700 M |     |        |     |        |  |       |  |       |  |
| D                 |                               |                                            |            |        |             |        |  |           |        |             | D      | 2320'                                       | 826' | 4600 M |     |        |     |        |  |       |  |       |  |
| GS KT             |                               | 90                                         |            | 110    |             | 130    |  | 150       |        | 160         |        | DIST to MAPt                                |      | 6.6    |     | 5.0    |     | 3.6    |  | 2.0   |  | 0.9   |  |
| FAF - MAPt 6.6 NM |                               | 4.26                                       |            | 3.37   |             | 3.04   |  | 2.39      |        | 2.29        |        | ALT                                         |      | 3600   |     | 3080   |     | 2630   |  | 2120  |  | 1770  |  |
| FPM               |                               | 480                                        |            | 580    |             | 690    |  | 800       |        | 850         |        | HGT                                         |      | (2170) |     | (1650) |     | (1200) |  | (690) |  | (340) |  |

11 AGOSTO 2022

TENIENTE BENJAMÍN MATIENZO (SANT)

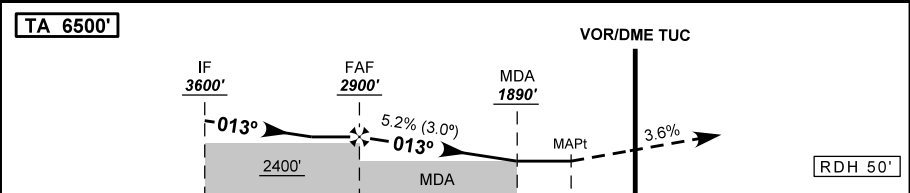
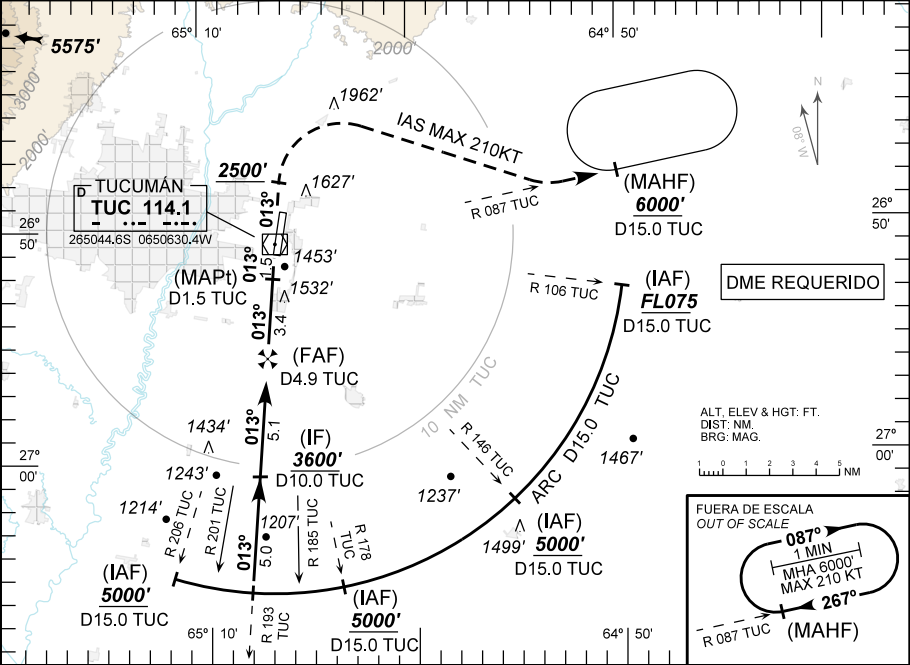
SAN MIGUEL DE TUCUMÁN

Carta de aproximación por instrumentos

Instrument approach chart

VOR RWY 02

|                                                                                                                                                                        |                |                 |                                                                                          |  |                |                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|------------------------------------------------------------------------------------------|--|----------------|-----------------------------------------------------------------------------------------------------------------------|
| ATIS                                                                                                                                                                   | TUCUMÁN CTL    |                 | TUCUMÁN TWR                                                                              |  | TUCUMÁN GND    | EMERG                                                                                                                 |
| 127.70                                                                                                                                                                 | 123.85 122.50  |                 | 119.50 118.35                                                                            |  | 121.75         | 121.50                                                                                                                |
| VOR TUC                                                                                                                                                                | FINAL APCH CRS | ALTITUD MNM FAF | MDA (H)                                                                                  |  | AD Elev        | <div>08° W (2025)</div> <div></div> |
| 114.1                                                                                                                                                                  | 013°           | 2900' (1470')   | 1890' (460')                                                                             |  | THR Elev 1430' |                                                                                                                       |
| Aproximación frustrada: ASC HDG 013 hasta 2500 ft, virar a la derecha, interceptar R 087 TUC hasta D15,0 TUC, alcanzando 6000 ft, HLDG y seguir instrucciones del ATC. |                |                 |                                                                                          |  |                |                                                                                                                       |
| Missed approach: Climb HDG 013 to 2500 ft., turn right, intercept R 087 TUC to D15.0 TUC reaching 6000 ft, HLDG and proceed as directed by ATC.                        |                |                 |                                                                                          |  |                |                                                                                                                       |
| NOTA: Circulación visual sólo ESTE de RWY 02/20.<br>APCH frustrada: No virar antes de VOR TUC.                                                                         |                |                 | NOTE: Circle to land only EAST of RWY 02/20.<br>Missed APCH: Do not turn before TUC VOR. |  |                | MSA 25 NM TUC                                                                                                         |



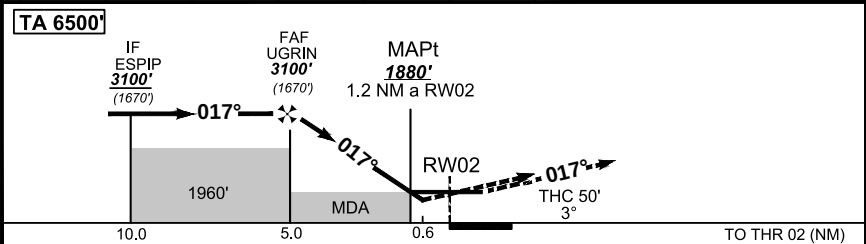
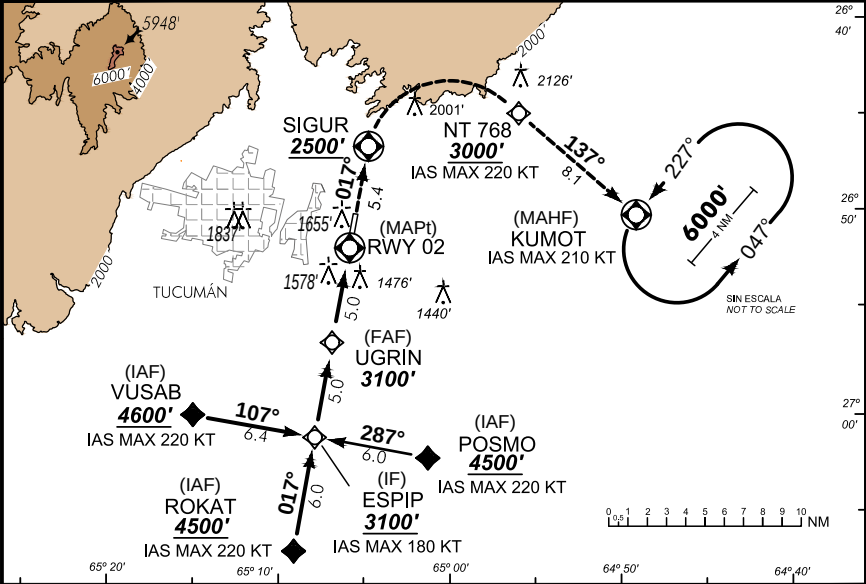
|                                     |                     |                    |       |
|-------------------------------------|---------------------|--------------------|-------|
| DIRECTA RWY 02 / Straight in RWY 02 |                     | Circulación Visual |       |
| VOR/DME                             |                     | Circle to land     |       |
| CAT                                 | MDA 1890' OCA 1890' | MDH 460' OCH 460'  |       |
| VIS ALS                             |                     | VIS SIN ALS        |       |
| A                                   | 1900 M              | 2100 M             |       |
| B                                   | 1900 M              | 2100 M             |       |
| C                                   | 1900 M              | 2100 M             |       |
| D                                   | RVR 1900 M          | RVR 2100 M         |       |
| GS KT                               | 90                  | 110                | 130   |
| FAF - MAPt 3.4 NM                   | 2:16                | 1:51               | 1:34  |
| FPM                                 | 480                 | 580                | 690   |
| DIST TO TUC                         | 4.9                 | 4.0                | 3.0   |
| ALT                                 | 2900                | 2600               | 2290  |
| HGT                                 | (1470)              | (1170)             | (860) |

TTE. B. MATIENZO (SANT)  
SAN MIGUEL DE TUCUMÁN

Carta de aproximación por instrumentos  
Instrument approach chart

RNP RWY 02 (LNAV/VNAV)

|                                                                                                                                                                                                                                                                                                                                                               |                              |                                          |                                 |                                   |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------|---------------------------------|-----------------------------------|-----------------|
| ATIS<br>127.70                                                                                                                                                                                                                                                                                                                                                | TUCUMÁN CTL<br>123.85 122.50 | TUCUMÁN APP<br>119.50 118.35             | TUCUMÁN TWR<br>119.50 118.35    | TUCUMÁN GND<br>121.75             | EMERG<br>121.50 |
| RNP                                                                                                                                                                                                                                                                                                                                                           | FINAL APCH CRS<br>017°       | MNM ALTD UGRIN<br>3100' (1670')          | LNAV/VNAV DA(H)<br>1680' (250') | AD Elev. 1494'<br>THR Elev. 1430' | 7° W (2018)     |
| Aproximación frustrada: ASC para 2500 ft o superior en SIGUR, y viraje por derecha DCT NT 768 con 3000' o superior, posterior DCT KUMOT y ASC a 6000 ft para HLDG y seguir instrucciones del ATC.<br>Missed approach: Climb to 2500 ft or above at SIGUR, turn right, DCT NT 768 with 3000 ft or above , DCT KUMOT and 6000 ft in HLDG or as directed by ATC. |                              |                                          |                                 |                                   |                 |
| Baro VNAV N/A debajo -10 °C ó superior a 50°C                                                                                                                                                                                                                                                                                                                 |                              | Baro VNAV N/A below -10 °C or above 50°C |                                 |                                   | MSA 25 NM ARP   |



| DIRECTA RWY 02 / Straight in RWY 02 |           |      |             |      |      |               |      |             | Circulación visual N.A<br>Circle to land N.A |                                                                                                                                                      |      |      |
|-------------------------------------|-----------|------|-------------|------|------|---------------|------|-------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|
| C<br>A<br>T                         | LNAV/VNAV |      |             |      |      | LNAV          |      |             |                                              |                                                                                                                                                      |      |      |
|                                     | DA 1680'  |      | DH 250'     |      |      | MDA 1880'     |      | MDH 450'    |                                              |                                                                                                                                                      |      |      |
|                                     | VIS ALS   |      | VIS SIN ALS |      |      | VIS ALS       |      | VIS SIN ALS |                                              |                                                                                                                                                      |      |      |
|                                     | 1000 M    |      | 1300 M      |      |      | 2000 M        |      | 2500 M      |                                              |                                                                                                                                                      |      |      |
| A                                   |           |      |             |      |      | 2200 M        |      | 2700 M      |                                              | Requiere certificación<br>RNP APCH (LNAV)<br>APV/Baro VNAV (LNAV-VNAV)<br><br>Certification Required<br>RNP APCH (LNAV)<br>APV/Baro VNAV (LNAV-VNAV) |      |      |
| B                                   |           |      |             |      |      |               |      |             |                                              |                                                                                                                                                      |      |      |
| C                                   |           |      |             |      |      |               |      |             |                                              |                                                                                                                                                      |      |      |
| D                                   |           |      |             |      |      |               |      |             |                                              |                                                                                                                                                      |      |      |
| GS KT                               |           | 90   | 110         | 130  | 150  | Dist. to Mapt | 5.0  | 4.5         | 4.0                                          | 3.5                                                                                                                                                  | 3.0  | 1.2  |
| FAF - Mapt : 4.4 NM                 |           | 2:56 | 2:24        | 2:02 | 1:46 | ALT           | 3100 | 2920        | 2800                                         | 2600                                                                                                                                                 | 2450 | 1880 |
| FPM                                 |           | 480  | 590         | 700  | 810  |               |      |             |                                              |                                                                                                                                                      |      |      |

31 ENERO 2019

Changes: VAR  
Cambios: VAR

DISEÑO EANA S.E. - NAVEGACIÓN AEREA ARGENTINA  
DIRECCIÓN REGULACIÓN, NORMAS Y PROCEDIMIENTOS-DNNA-

| Tte. BENJAMIN Matienzo (SANT) RNP RWY 02 (IAF VUSAB) |                 |               |                   |                    |           |               |                  |                     |         |                    |             |           |     |                    |  |
|------------------------------------------------------|-----------------|---------------|-------------------|--------------------|-----------|---------------|------------------|---------------------|---------|--------------------|-------------|-----------|-----|--------------------|--|
| N°<br>Serie                                          | Identif.<br>WPT | Path<br>Term. | Coordenada<br>LAT | Coordenada<br>LONG | FB/<br>FO | Dist.<br>(NM) | Curso<br>MP (T°) | Dirección<br>viraje | Altitud | Límite<br>Vel (Kt) | Var<br>Mag. | VPA       | RNP | Especif.de<br>Nav. |  |
| 010                                                  | VUSAB           | IF            | S 27° 00' 00.64"  | W 065° 15' 26.39"  | FB        | N/A           | N/A              | N/A                 | +4600'  | -220               | 7º W        | N/A       | 1.0 | RNP APCH           |  |
| 020                                                  | ESPIP           | TF            | S 27° 01' 06.67"  | W 065° 08' 20.25"  | FB        | 6.4           | 107º/099.8º      | N/A                 | +3100'  | -180               | 7º W        | N/A       | 1.0 | RNP APCH           |  |
| 030                                                  | UGRIN           | TF            | S 26° 56' 10.22"  | W 065° 07' 23.19"  | FB        | 5.0           | 017º/009.7º      | N/A                 | 3100'   | N/A                | 7º W        | N/A       | 1.0 | RNP APCH           |  |
| 040                                                  | RWY 02          | TF            | S 26° 51' 13.76"  | W 065° 06' 26.20"  | FO        | 5.0           | 017º/009.7º      | N/A                 | 1480'   | N/A                | 7º W        | -3.0°/50' | 0.3 | RNP APCH           |  |
| 050                                                  | SGUR            | TF            | S 26° 45' 55.69"  | W 065° 05' 25.15"  | FO        | 5.4           | 017º/009.7º      | N/A                 | +2500'  | -220               | 7º W        | N/A       | 1.0 | RNP APCH           |  |
| 060                                                  | NT768           | DF            | S 26° 44' 06.08"  | W 064° 56' 43.09"  | FB        | N/A           | N/A              | R                   | +3000'  | -220               | 7º W        | N/A       | 1.0 | RNP APCH           |  |
| 070                                                  | KUMOT           | TF            | S 26° 49' 18.62"  | W 064° 49' 49.02"  | FO        | 8.1           | 137º/130.0º      | N/A                 | 6000'   | -210               | 7º W        | N/A       | 1.0 | RNP APCH           |  |
| 080                                                  | KUMOT           | HM            | S 26° 49' 18.62"  | W 064° 49' 49.02"  | FB        | 4.0           | 227º/219.6º      | L                   | 6000'   | -210               | 7º W        | N/A       | 1.0 | RNP APCH           |  |

31 ENERO 2019

Tte. BENJAMIN Matienzo (SANT) RNP RWY 02 (IAF ROKAT)

| Nº Serie | Identif. WPT | Path Term. | Coordenada LAT   | Coordenada LONG   | FB/ FO | Dist. (NM) | Curso Mº (Tº) | Dirección viraje | Altitud | Límite Vel (Kt) | Var Mag. | VPA        | RNP | Especif. de Nav. |
|----------|--------------|------------|------------------|-------------------|--------|------------|---------------|------------------|---------|-----------------|----------|------------|-----|------------------|
| 010      | ROKAT        | IF         | S 27° 07' 02.41" | W 065° 09' 28.83" | FB     | N/A        | N/A           | N/A              | +4500'  | -220            | 7º W     | N/A        | 1.0 | RNP APCH         |
| 020      | ESPIP        | TF         | S 27° 01' 06.67" | W 065° 08' 20.25" | FB     | 6.0        | 017º/009.8º   | N/A              | +3100'  | -180            | 7º W     | N/A        | 1.0 | RNP APCH         |
| 030      | UGRIN        | TF         | S 26° 56' 10.22" | W 065° 07' 23.19" | FB     | 5.0        | 017º/009.7º   | N/A              | 3100'   | N/A             | 7º W     | N/A        | 1.0 | RNP APCH         |
| 040      | RWY 02       | TF         | S 26° 51' 13.76" | W 065° 06' 26.20" | FO     | 5.0        | 017º/009.7º   | N/A              | 1480'   | N/A             | 7º W     | -3.0º/ 50' | 0.3 | RNP APCH         |
| 050      | SIGUR        | TF         | S 26° 45' 55.69" | W 065° 05' 25.15" | FO     | 5.4        | 017º/009.7º   | N/A              | + 2500' | -220            | 7º W     | N/A        | 1.0 | RNP APCH         |
| 060      | NT 768       | DF         | S 26° 44' 06.08" | W 064° 56' 43.09" | FB     | N/A        | N/A           | R                | + 3000' | -220            | 7º W     | N/A        | 1.0 | RNP APCH         |
| 070      | KUMOT        | TF         | S 26° 49' 18.62" | W 064° 49' 49.02" | FO     | 8.1        | 137º/130º     | N/A              | 6000'   | -210            | 7º W     | N/A        | 1.0 | RNP APCH         |
| 080      | KUMOT        | HM         | S 26° 49' 18.62" | W 064° 49' 49.02" | FB     | 4.0        | 227º/219.6º   | L                | 6000'   | -210            | 7º W     | N/A        | 1.0 | RNP APCH         |

Tte. BENJAMIN Matienzo (SANT) RNP RWY 02 (IAF POSMO)

| Nº Serie | Identif. WPT | Path Term. | Coordenada LAT   | Coordenada LONG   | FB/ FO | Dist. (NM) | Curso Mº (Tº) | Dirección viraje | Altitud | Límite Vel (Kt) | Var Mag. | VPA        | RNP | Especif. de Nav. |
|----------|--------------|------------|------------------|-------------------|--------|------------|---------------|------------------|---------|-----------------|----------|------------|-----|------------------|
| 010      | POSMO        | IF         | S 27° 02' 07.89" | W 065° 01' 43.00" | FB     | N/A        | N/A           | N/A              | +4500'  | -220            | 7º W     | N/A        | 1.0 | RNP APCH         |
| 020      | ESPIP        | TF         | S 27° 01' 06.67" | W 065° 08' 20.25" | FB     | 6.0        | 287º/279.7º   | N/A              | +3100'  | -180            | 7º W     | N/A        | 1.0 | RNP APCH         |
| 030      | UGRIN        | TF         | S 26° 56' 10.22" | W 065° 07' 23.19" | FB     | 5.0        | 017º/009.7º   | N/A              | 3100'   | N/A             | 7º W     | N/A        | 1.0 | RNP APCH         |
| 040      | RWY 02       | TF         | S 26° 51' 13.76" | W 065° 06' 26.20" | FO     | 5.0        | 017º/009.7º   | N/A              | 1480'   | N/A             | 7º W     | -3.0º/ 50' | 0.3 | RNP APCH         |
| 050      | SIGUR        | TF         | S 26° 45' 55.69" | W 065° 05' 25.15" | FO     | 5.4        | 017º/009.7º   | N/A              | + 2500' | -220            | 7º W     | N/A        | 1.0 | RNP APCH         |
| 060      | NT 768       | DF         | S 26° 44' 06.08" | W 064° 56' 43.09" | FB     | N/A        | N/A           | R                | + 3000' | -220            | 7º W     | N/A        | 1.0 | RNP APCH         |
| 070      | KUMOT        | TF         | S 26° 49' 18.62" | W 064° 49' 49.02" | FO     | 8.1        | 137º/130º     | N/A              | 6000'   | -210            | 7º W     | N/A        | 1.0 | RNP APCH         |
| 080      | KUMOT        | HM         | S 26° 49' 18.62" | W 064° 49' 49.02" | FB     | 4.0        | 227º/219.6º   | L                | 6000'   | -210            | 7º W     | N/A        | 1.0 | RNP APCH         |

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TENIENTE BENJAMÍN MATIENZO (SANT) Carta de aproximación por instrumentos  
SAN MIGUEL DE TUCUMÁN Instrument approach chart

RNP RWY 20

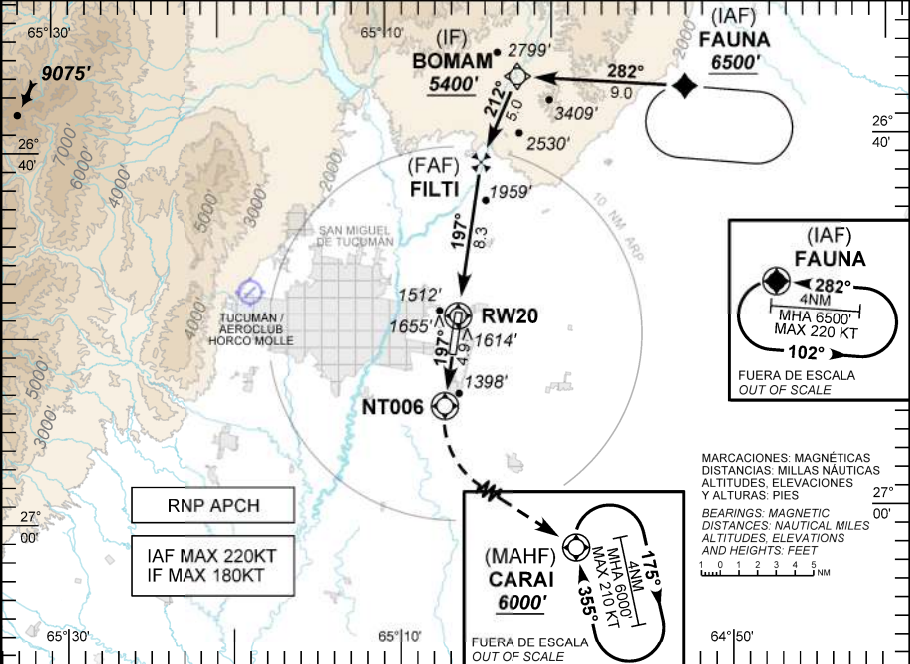
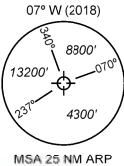
|                       |                                     |                                           |                                          |                                                     |                        |
|-----------------------|-------------------------------------|-------------------------------------------|------------------------------------------|-----------------------------------------------------|------------------------|
| ATIS<br><b>127.70</b> | TUCUMÁN CTL<br><b>123.85 122.50</b> | TUCUMÁN APP<br><b>119.50 118.35</b>       | TUCUMÁN TWR<br><b>119.50 118.35</b>      | TUCUMÁN GND<br><b>121.75</b>                        | EMERG<br><b>121.50</b> |
| RNP                   | FINAL APCH CRS<br><b>197°</b>       | ALTITUD MNM FILTI<br><b>4200'</b> (2706') | LNAV / VNAV DA(H)<br><b>1816'</b> (322') | AD Elev<br><b>1494'</b><br>THR Elev<br><b>1494'</b> |                        |

Aproximación frustrada: ASC sobre curso 197° hasta NT006, virar a la izquierda DCT CARAI alcanzando 6000 ft, HLDG y seguir instrucciones del ATC.

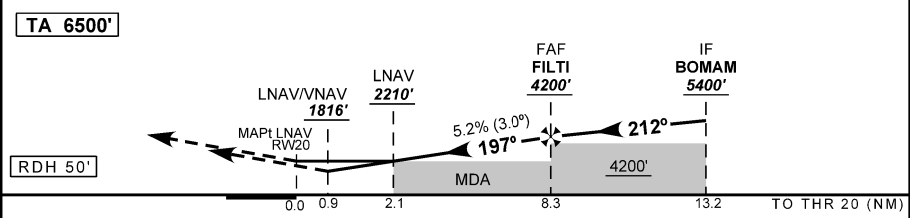
Missed approach: Climb on course 197° to NT006, turn left DCT CARAI reaching 6000 ft, HLDG and proceed as directed by ATC.

NOTA: Para sistemas Baro VNAV no compensados, debajo de -10° C o superior a 45° C. N.A.

NOTE: For uncompensated Baro VNAV systems N.A. below -10° C or above 45° C.



MARCAIONES: MAGNÉTICAS  
DISTANCIAS: MILLAS NAÚTICAS  
ALTITUDES: ELEVACIONES  
Y ALTURAS: PIES  
BEARINGS: MAGNETIC  
DISTANCES: NAUTICAL MILES  
ALTITUDES: ELEVATIONS  
AND HEIGHTS: FEET  
1 0 1 2 3 4 5 NM



| DIRECTA RWY 20 / <i>Straight in RWY 20</i> |             |        |         |      |           |              |          |        |        | Circulación Visual<br><i>Circle to land</i> |       |     |   |                                                       |
|--------------------------------------------|-------------|--------|---------|------|-----------|--------------|----------|--------|--------|---------------------------------------------|-------|-----|---|-------------------------------------------------------|
| CAT                                        | LNAV / VNAV |        |         |      |           | LNAV         |          |        |        |                                             |       |     |   |                                                       |
|                                            | DA 1816'    |        | DH 322' |      | MDA 2210' |              | MDH 716' |        | CAT    | MDA                                         | MDH   | VIS |   |                                                       |
|                                            | VIS         |        |         |      |           | VIS          |          |        |        |                                             |       |     |   |                                                       |
|                                            | A           | 1500 M |         |      |           |              | 3500 M   |        |        |                                             |       |     | A | Circulación Visual N.A.<br><i>Circle to land N.A.</i> |
| B                                          | 3700 M      |        |         |      |           |              | B        |        |        |                                             |       |     |   |                                                       |
| C                                          |             |        |         |      |           |              | C        |        |        |                                             |       |     |   |                                                       |
| D                                          |             |        |         |      |           |              | D        |        |        |                                             |       |     |   |                                                       |
| GS KT                                      | 90          | 110    | 130     | 150  | 160       | DIST to MAPt | 8.3      | 5.0    | 4.0    | 3.0                                         | 2.1   |     |   |                                                       |
| FAF - MAPt 8.3 NM                          | 5.32        | 4.32   | 3.50    | 3.19 | 3.07      | ALT          | 4200     | 3140   | 2810   | 2500                                        | 2210  |     |   |                                                       |
| FPM                                        | 480         | 580    | 690     | 800  | 850       | HGT          | (2706)   | (1646) | (1316) | (1006)                                      | (716) |     |   |                                                       |

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| 1/1 TENIENTE BENJAMIN MATIENZO (SANT) RNP RWY 20 |           |                                   |                 |          |               |                |      |                     |                  |                          |     |
|--------------------------------------------------|-----------|-----------------------------------|-----------------|----------|---------------|----------------|------|---------------------|------------------|--------------------------|-----|
| Seq Num                                          | Fix Ident | Coordinates                       | Path Terminator | Fly Over | Distance (NM) | Course M°(T°)  | Turn | Alt / Descr (ft/FL) | Speed Limit (Kt) | Navigation Specification | RNP |
| 10                                               | FAUNA     | S 26°37'16.36"<br>W 064°52'10.15" | IF              | N        | N/A           | N/A            | N/A  | +6500               | -220             | RNP APCH                 | 1.0 |
| 20                                               | BOMAM     | S 26°36'33.47"<br>W 065°02'10.78" | TF              | N        | 9.0           | 282<br>(274.6) | N/A  | +5400               | -180             | RNP APCH                 | 1.0 |
| 10                                               | BOMAM     | S 26°36'33.47"<br>W 065°02'10.78" | IF              | N        | N/A           | N/A            | N/A  | +5400               | N/A              | RNP APCH                 | 1.0 |
| 20                                               | FILTI     | S 26°41'07.09"<br>W 065°04'30.01" | TF              | N        | 5.0           | 212<br>(204.6) | N/A  | +4200               | N/A              | RNP APCH                 | 1.0 |
| 30                                               | RW20      | S 26°49'21.56"<br>W 065°06'04.83" | TF              | Y        | 8.3           | 197<br>(189.8) | N/A  | @1544               | N/A              | RNP APCH                 | 0.3 |
| 40                                               | NT006     | S 26°54'11.51"<br>W 065°07'00.54" | CF              | Y        | 4.9           | 197<br>(189.8) | N/A  | N/A                 | N/A              | RNP APCH                 | 1.0 |
| 50                                               | CARAI     | S 27°10'55.58"<br>W 064°44'23.88" | DF              | Y        | N/A           | N/A            | L    | +6000               | N/A              | RNP APCH                 | 1.0 |
| 60                                               | CARAI     | S 27°10'55.58"<br>W 064°44'23.88" | HM              | Y        | 4.0           | 355<br>(348.3) | R    | +6000               | -210             | RNP APCH                 | 1.0 |

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