Secretaría de Transporte
Ministerio de Economía
ANAC | AVIACIÓN CIVIL ARGENTINA

**AIRAC**

# SUPLEMENTO A LA AIP DE LA REPÚBLICA ARGENTINA

**UNIDAD DE PLANIFICACIÓN Y CONTROL DE GESTIÓN**
**DEPARTAMENTO DE PLANIFICACIÓN Y COORDINACIÓN AERONÁUTICA**

**PUBLICACIONES DE INFORMACIÓN AERONÁUTICA**

**A 130 / 2026**
5 de junio de 2026

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BALCARCE 290
(C1064AAF) – C.A.B.A.
REPÚBLICA ARGENTINA

## A 130. AD CATAMARCA (CAT/SANC): MODIFICACIONES EN AIP PARTE AD - CARTAS DE PROCEDIMIENTO DE VUELO INSTRUMENTAL / *CHANGES IN AIP AD PART - INSTRUMENTAL FLIGHT PROCEDURE CHARTS*

**NOTA:** La información actualizada está resaltada en color gris / ***NOTE:*** *Updated information is highlighted in grey.*

**Fecha de efectividad: 6 de agosto de 2026 / *Effective date: 6 August 2026***

Reemplazar las siguientes cartas SID / *Replace the following SID charts*

| | | |
|---|---|---|
| RNP LITOR 2C - KAKAN 2C - SORTI 2C | PISTA / *RWY* 02 | JUL 2025 |
| Tabla de Codificación / *Code Table* | | |
| LITOR 2E - KAKAN 2E - SORTI 2E | PISTA / *RWY* 20 | |
| RNP LITOR 2G - KAKAN 2G - SORTI 2G | | |
| Tabla de Codificación / *Code Table* | | |

Por las que se adjuntan / *By the following*

| | | |
|---|---|---|
| RNP LITOR 2C - KAKAN 2C - SORTI 2C | PISTA / *RWY* 02 | JUN / 2026 |
| Tabla de Codificación / *Code Table* | | |
| LITOR 2E - KAKAN 2E - SORTI 2E | PISTA / *RWY* 20 | |
| RNP LITOR 2G - KAKAN 2G - SORTI 2G | | |
| Tabla de Codificación / *Code Table* | | |

Reemplazar la siguiente carta STAR / *Replace the following STAR chart*

| | | |
|---|---|---|
| RNP ITELA 2M - LITOR 2M - KAKAN 2M - SORTI 2M | PISTA / *RWY* 02 | JUL 2025 |
| Tabla de Codificación / *Code Table* | | |

Por la que se adjunta / *By the following*

| | | |
|---|---|---|
| RNP ITELA 2M - LITOR 2M - KAKAN 2M - SORTI 2M | PISTA / *RWY* 02 | JUN / 2026 |
| Tabla de Codificación / *Code Table* | | |

Reemplazar las siguientes cartas IAC / *Replace the following IAC charts*

| | | |
|---|---|---|
| VOR | PISTA / *RWY* 02 | JUL 2025 |
| RNP | | |
| Tabla de Codificación / *Code Table* | | |
| RNP | PISTA / *RWY* 20 | |
| Tabla de Codificación / *Code Table* | | |

Por las que se adjuntan / *By the following*

| | | |
|---|---|---|
| VOR | PISTA / *RWY* 02 | JUN / 2026 |
| RNP | | |
| Tabla de Codificación / *Code Table* | | |
| RNP | PISTA / *RWY* 20 | |
| Tabla de Codificación / *Code Table* | | |

Modifica / *This changes*: AMDT AIP 2 / 2023 (Vigencia: 30 de noviembre de 2023 / *Validity: 30 November 2023*).
AMDT AIP 1 / 2025 (Vigencia: 12 de junio de 2025 / *Validity: 12 June 2025*).

Cancela / *This cancels:* SUP AIP A 129 / 2025 - NOTAM A2794/2025; A2818/2025; A2819/2025; A2820/2025; A3742/2025.

| | |
|---|---|
| Afecta / *This affects*: | AIP parte/*part* AD 2.I, AD 2.K, AD 2.M |
| Vigencia / *Validity*: | Permanente / *Permanent* |

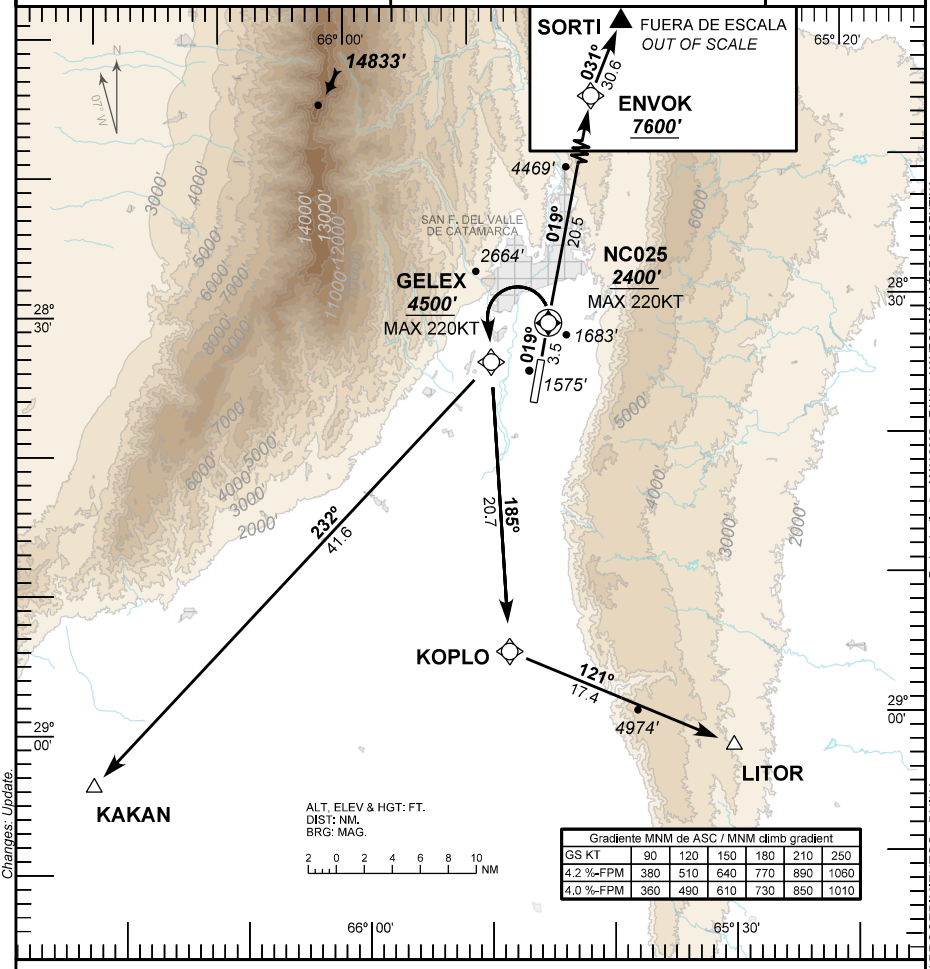
ACTUALICE SU DOCUMENTACIÓN /
*UPDATE YOUR DOCUMENTS*

**CATAMARCA (SANC)**
CATAMARCA

**SID RNP RWY 02**
**LITOR 2C - KAKAN 2C - SORTI 2C**

| | | |
|---|---|---|
| Requiere Certificación<br>*Certification required* | AD ELEV | ***1556'*** |
| **RNP 1 / RNAV 1 GNSS** | TRANS ALT | ***8000'*** |
| CATAMARCA TWR<br>**118.15 119.90** | EMERG | **121.50** |
| NOTA: NIL. | *NOTE: NIL.* | |

07° W (2025)
001°
16900' 9100'
091°
271°
12200' 8100'
181°
MSA 25 NM ARP




| Gradiente MNM de ASC / MNM climb gradient | | | | | | |
|---|---|---|---|---|---|---|
| GS KT | 90 | 120 | 150 | 180 | 210 | 250 |
| 4.2 %-FPM | 380 | 510 | 640 | 770 | 890 | 1060 |
| 4.0 %-FPM | 360 | 490 | 610 | 730 | 850 | 1010 |

SID RWY 02:
LITOR 2C, KAKAN 2C: Gradiente mínimo de ascenso 4.0% hasta NC025. IAS MAX 220 KT hasta GELEX.
SORTI 2C: Gradiente mínimo de ascenso 4.2% hasta ENVOK. IAS MAX 220 KT hasta NC025.

*SID RWY 02:*
*LITOR 2C, KAKAN 2C: Minimum Climb Gradient 4.0% to NC025. IAS MAX 220 KT to GELEX.*
*SORTI 2C: Minimum Climb Gradient 4.2% to ENVOK. IAS MAX 220 KT to NC025.*

PANS OPS Cambios: Actualización.
*Changes: Update*

Fecha de diseño: MAY 2025 - EANA - NAVEGACIÓN AÉREA ARGENTINA

DIRECCIÓN REGULACIÓN NORMAS Y PROCEDIMIENTOS - DNINA

| 1/1 CATAMARCA (SANC) SID RNP RWY 02<br>LITOR 2C – KAKAN 2C – SORTI 2C | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | NC025 | S 28°31'25.41"<br>W 065°44'04.34" | CF | Y | 3.5 | 019<br>(012.0) | N/A | +2400 | -220 | RNAV 1 or RNP 1 | 1.0 |
| 20 | ENVOK | S 28°11'18.23"<br>W 065°39'15.27" | TF | N | 20.5 | 019<br>(012.0) | N/A | +7600 | N/A | RNAV 1 or RNP 1 | 1.0 |
| 30 | SORTI | S 27°43'05.00"<br>W 065°25'34.00 | TF | N | 30.6 | 031<br>(023.4) | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |
| 10 | NC025 | S 28°31'25.41"<br>W 065°44'04.34" | CF | Y | 3.5 | 019<br>(012.0) | N/A | +2400 | N/A | RNAV 1 or RNP 1 | 1.0 |
| 20 | GELEX | S 28°34'06.96"<br>W 065°48'46.87" | DF | N | N/A | N/A | L | +4500 | -220 | RNAV 1 or RNP 1 | 1.0 |
| 30 | KOPLO | S 28°54'54.00"<br>W 065°48'00.00" | TF | N | 20.7 | 185<br>(178.1) | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |
| 40 | LITOR | S 29°02'02.00"<br>W 065°29'55.00" | TF | N | 17.4 | 121<br>(114.2) | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |
| 10 | NC025 | S 28°31'25.41"<br>W 065°44'04.34" | CF | Y | 3.5 | 019<br>(012.0) | N/A | +2400 | N/A | RNAV 1 or RNP 1 | 1.0 |
| 20 | GELEX | S 28°34'06.96"<br>W 065°48'46.87" | DF | N | N/A | N/A | L | +4500 | -220 | RNAV 1 or RNP 1 | 1.0 |
| 30 | KAKAN | S 29°03'41.00"<br>W 066°22'14.00" | TF | N | 41.6 | 232<br>(224.8) | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |

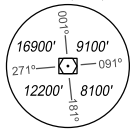
Fecha de diseño: MAY 2025

**CATAMARCA (SANC)**
CATAMARCA

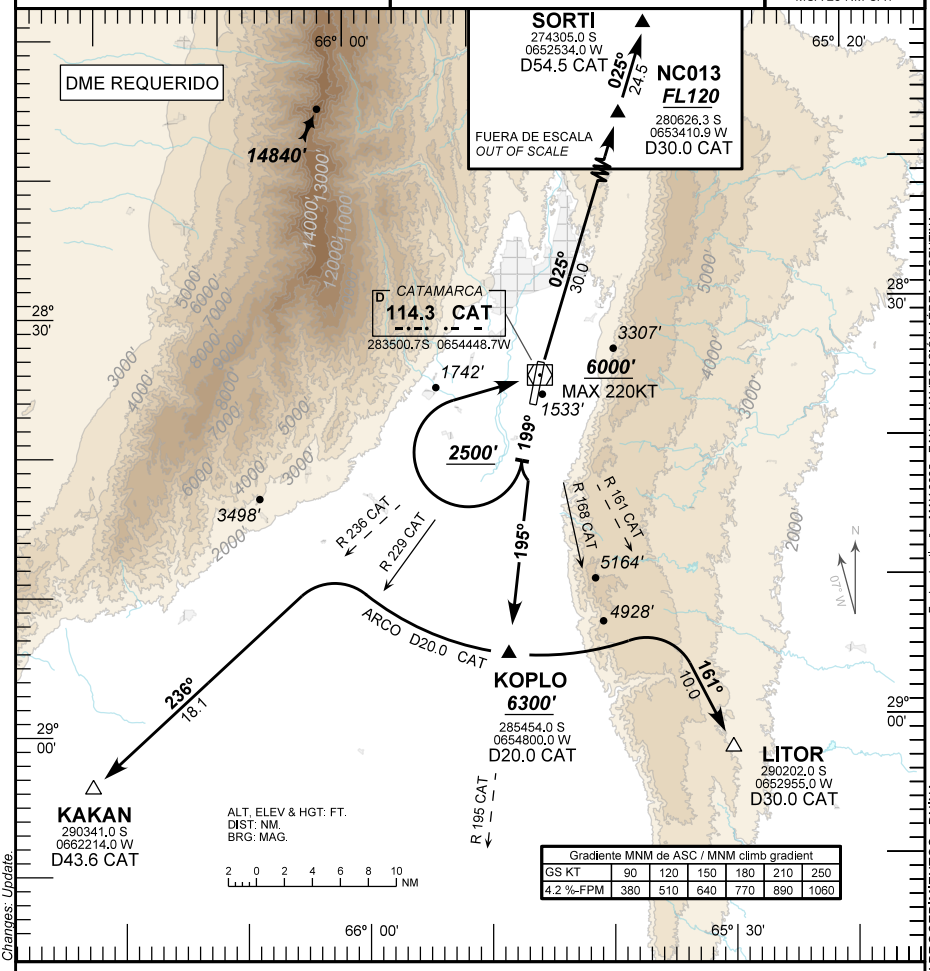
**SID RWY 20**
**LITOR 2E - KAKAN 2E - SORTI 2E**

| | | |
|---|---|---|
| Requiere Certificación<br>*Certification required* | AD ELEV | ***1556'*** |
| **N/A** | TRANS ALT | ***8000'*** |
| CATAMARCA TWR<br>**118.15 119.90** | EMERG | **121.50** |
| NOTA: NIL. | *NOTE: NIL.* | |

07° W (2025)




MSA 25 NM CAT




| Gradiente MNM de ASC / MNM climb gradient | | | | | | |
|---|---|---|---|---|---|---|
| GS KT | 90 | 120 | 150 | 180 | 210 | 250 |
| 4.2 %-FPM | 380 | 510 | 640 | 770 | 890 | 1060 |

SID RWY 20:
LITOR 2E: Posterior al despegue, mantener rumbo 199° hasta 2500 ft, interceptar R 195 CAT hasta KOPLO (D20.0 CAT), incorporarse en arco D20.0 CAT, luego interceptar R 161 CAT hasta posición LITOR (D30.0 CAT).Pendiente mínima de ascenso 4.2% (255 ft/MN) hasta KOPLO.
KAKAN 2E: Posterior al despegue, mantener rumbo 199° hasta 2500 ft, interceptar R 195 CAT hasta KOPLO (D20.0 CAT), incorporarse en arco D20.0 CAT, luego interceptar R 236 CAT hasta posición KAKAN (D43.6 CAT). Pendiente mínima de ascenso 4.2% (255 ft/MN) hasta KOPLO.
SORTI 2E: Posterior al despegue, mantener rumbo 199° hasta 2500 ft, virar a la derecha directo CAT VOR MNM 6000 ft, luego alejarse por R 025 CAT hasta NC013 (D30.0 CAT) MNM FL120, continuar hasta SORTI (D54.5 CAT). Pendiente mínima de ascenso 4.2% (255 ft/MN) hasta VOR CAT.

*SID RWY 20:*
*SID LITOR 2E: After take-off maintain heading 199° until 2500 ft, intercept R 195 CAT to KOPLO (D20.0 CAT), join D20.0 CAT ARC, intercept R 161 CAT to LITOR (D30.0 CAT). Minimum climb gradient 4.2% (255 ft/MN) until KOPLO.*
*KAKAN 2E: After take-off maintain heading 199° until 2500 ft, intercept R 195 CAT to KOPLO (20.0 CAT), join D20.0 CAT ARC, intercept R 236 CAT to KAKAN (D43.6 CAT). Minimum climb gradient 4.2% (255 ft/MN) until KOPLO.*
*SID SORTI 1E: After take-off maintain heading 199° until 2500 ft, turn right direct CAT VOR. Intercept R 025 CAT to NC013 (D30.0 CAT), continue to SORTI (D54.5 CAT). Minimum climb gradient 4.2% (255 ft/MN) until VOR CAT.*

PANS OPS Cambios: Actualización.
*Changes: Update.*

Fecha de diseño: MAY 2025 - EANA - NAVEGACION AEREA ARGENTINA

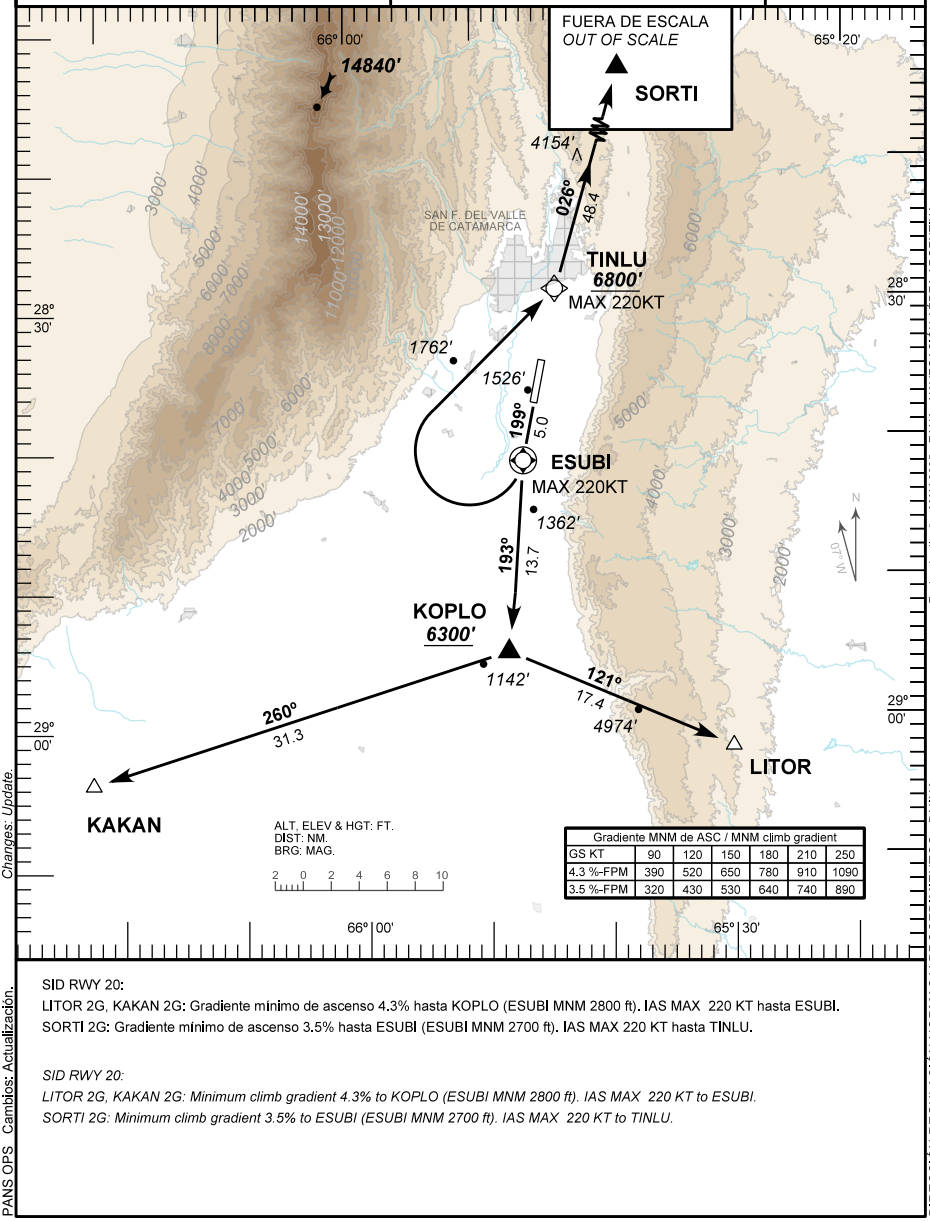
DIRECCIÓN REGULACIÓN NORMAS Y PROCEDIMIENTOS - DNINA

**CATAMARCA (SANC)**
CATAMARCA

**SID RNP RWY 20**
**LITOR 2G - KAKAN 2G - SORTI 2G**

| | | |
|---|---|---|
| Requiere Certificación<br>*Certification required* | AD ELEV | ***1556'*** |
| **RNP 1 / RNAV 1 GNSS** | TRANS ALT | ***8000'*** |
| CATAMARCA TWR<br>**118.15 119.90** | EMERG | **121.50** |
| NOTA: NIL. | *NOTE: NIL.* | |

07° W (2025)
MSA 25 NM ARP
16900' 9100' 12200' 8100'




| Gradiente MNM de ASC / MNM climb gradient | | | | | | |
|---|---|---|---|---|---|---|
| GS KT | 90 | 120 | 150 | 180 | 210 | 250 |
| 4.3 %-FPM | 390 | 520 | 650 | 780 | 910 | 1090 |
| 3.5 %-FPM | 320 | 430 | 530 | 640 | 740 | 890 |

SID RWY 20:
LITOR 2G, KAKAN 2G: Gradiente mínimo de ascenso 4.3% hasta KOPLO (ESUBI MNM 2800 ft). IAS MAX 220 KT hasta ESUBI.
SORTI 2G: Gradiente mínimo de ascenso 3.5% hasta ESUBI (ESUBI MNM 2700 ft). IAS MAX 220 KT hasta TINLU.

*SID RWY 20:*
*LITOR 2G, KAKAN 2G: Minimum climb gradient 4.3% to KOPLO (ESUBI MNM 2800 ft). IAS MAX 220 KT to ESUBI.*
*SORTI 2G: Minimum climb gradient 3.5% to ESUBI (ESUBI MNM 2700 ft). IAS MAX 220 KT to TINLU.*

PANS OPS Cambios: Actualización.
*Changes: Update*

Fecha de diseño: MAY 2025 - EANA - NAVEGACIÓN AÉREA ARGENTINA
DIRECCIÓN REGULACIÓN NORMAS Y PROCEDIMIENTOS - DNINA

## 1/1 CATAMARCA (SANC) SID RNP RWY 20
## LITOR 2G – KAKAN 2G – SORTI 2G

| 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 | ESUBI | S 28°41'13.89''<br>W 065°46'25.78'' | CF | Y | 5.0 | 199<br>(192.0) | N/A | N/A | -220 | RNAV 1 or RNP 1 | 1.0 |
| 20 | KOPLO | S 28°54'54.00''<br>W 065°48'00.00'' | TF | N | 13.7 | 193<br>(185.8) | N/A | +6300 | N/A | RNAV 1 or RNP 1 | 1.0 |
| 30 | LITOR | S 29°02'02.00''<br>W 065°29'55.00'' | TF | N | 17.4 | 121<br>(114.2) | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |
| 10 | ESUBI | S 28°41'13.89''<br>W 065°46'25.78'' | CF | Y | 5.0 | 199<br>(192.0) | N/A | N/A | -220 | RNAV 1 or RNP 1 | 1.0 |
| 20 | KOPLO | S 28°54'54.00''<br>W 065°48'00.00'' | TF | N | 13.7 | 193<br>(185.8) | N/A | +6300 | N/A | RNAV 1 or RNP 1 | 1.0 |
| 30 | KAKAN | S 29°03'41.00''<br>W 066°22'14.00'' | TF | N | 31.3 | 260<br>(253.6) | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |
| 10 | ESUBI | S 28°41'13.89''<br>W 065°46'25.78'' | CF | Y | 5.0 | 199<br>(192.0) | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |
| 20 | TINLU | S 28°28'57.63''<br>W 065°43'28.75'' | DF | N | N/A | N/A | R | +6800 | -220 | RNAV 1 or RNP 1 | 1.0 |
| 30 | SORTI | S 27°43'05.00''<br>W 065°25'34.00'' | TF | N | 48.4 | 026<br>(019.2) | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |

Fecha de diseño: MAY 2025

**CATAMARCA (SANC)**
CATAMARCA

**STAR RNP RWY 02**
**ITELA 2M - LITOR 2M - KAKAN 2M - SORTI 2R**

| | | |
|---|---|---|
| Requiere Certificación *Certification required* | AD ELEV ***1556'*** | 07° W (2025) |
| **RNP 1 / RNAV 1 GNSS** | TRANS ALT ***8000'*** | 001° 16900' 9100' 091° 271° 12200' 8100' 181° |
| CATAMARCA TWR **118.15 119.90** | EMERG **121.50** | MSA 25 NM ARP |
| NOTA: Nivel de Transición asignado por ATC. | *NOTE: Transition level assigned by ATC.* | |

199° 4NM MHA 6000' MAX 210 KT 019°
(IAF) **BRANC**
FUERA DE ESCALA
*OUT OF SCALE*

ALT, ELEV & HGT: FT.
DIST: NM.
BRG: MAG.
2 0 2 4 6 8 10 NM

66° 00' 65° 30' 28° 00' 28° 30'

**SORTI**
211° 30.6
4551'
**ENVOK**
199° 6.0
4462'
4577'
**AMIAS**
213° 19.2
14840'
SAN F. DEL VALLE DE CATAMARCA
1733'
**NC003**
213° 20.1
(IAF)
**BRANC**
***6000'***
MAX 220KT
**ROMIX**
***8000'***
127° 10.0
291° 10.0
4974'
271° 14.0
291° 8.5
**ITELA**
**TOKUS**
***7000'***
**LITOR**
**KAKAN**
084° 28.6

*Changes: Chart name.*
PANS OPS Cambios: Nombre carta.
Fecha de diseño: MAY 2025 - EANA - NAVEGACIÓN AÉREA ARGENTINA
DIRECCIÓN REGULACIÓN NORMAS Y PROCEDIMIENTOS - DNINA

| 1/2 CATAMARCA (SANC) STAR RNP RWY 02<br>ITELA 2M – LITOR 2M – KAKAN 2M – SORTI 2R | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | SORTI | S 27°43'05.00"<br>W 065°25'34.00" | IF | N/A | N/A | N/A | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |
| 20 | ENVOK | S 28°11'18.23"<br>W 065°39'15.27" | TF | N | 30,6 | 211 (203.2) | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |
| 30 | AMIAS | S 28°17'11.38"<br>W 065°40'39.61" | TF | N | 6.0 | 199 (191.9) | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |
| 40 | NC003 | S 28°34'31.46"<br>W 065°50'15.05" | TF | N | 19.2 | 213 (206.1) | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |
| 50 | ROMIX | S 28°52'36.52"<br>W 066°00'15.29" | TF | N | 20.1 | 213 (206.0) | N/A | +8000 | N/A | RNAV 1 or RNP 1 | 1.0 |
| 60 | BRANC | S 28°57'37.66"<br>W 065°50'23.42" | TF | N | 10.0 | 127 (120.1) | N/A | +6000 | -220 | RNAV 1 or RNP 1 | 1.0 |
| 10 | ITELA | S 28°58'28.00"<br>W 065°23'27.00" | IF | N/A | N/A | N/A | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |
| 20 | TOKUS | S 29°00'01.06"<br>W 065°39'19.03" | TF | N | 14.0 | 271 (263.6) | N/A | +7000 | N/A | RNAV 1 or RNP 1 | 1.0 |
| 30 | BRANC | S 28°57'37.66"<br>W 065°50'23.42" | TF | N | 10.0 | 291 (283.7) | N/A | +6000 | -220 | RNAV 1 or RNP 1 | 1.0 |
| 10 | LITOR | S 29°02'02.00"<br>W 065°29'55.00" | IF | N/A | N/A | N/A | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |

Fecha de diseño: MAY 2025

| 2/2 CATAMARCA (SANC) STAR RNP RWY 02<br>ITELA 2M – LITOR 2M – KAKAN 2M – SORTI 2R | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **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** |
| 20 | TOKUS | S 29°00'01.06"<br>W 065°39'19.03" | TF | N | 8.5 | 291<br>(283.7) | N/A | +7000 | N/A | RNAV 1 or RNP 1 | 1.0 |
| 30 | BRANC | S 28°57'37.66"<br>W 065°50'23.42" | TF | N | 10.0 | 291<br>(283.7) | N/A | +6000 | -220 | RNAV 1 or RNP 1 | 1.0 |
| 10 | KAKAN | S 29°03'41.00"<br>W 066°22'14.00" | IF | N/A | N/A | N/A | N/A | N/A | N/A | RNAV 1 or RNP 1 | 1.0 |
| 20 | BRANC | S 28°57'37.66"<br>W 065°50'23.42" | TF | N | 28.6 | 084<br>(077.9) | N/A | +6000 | -220 | RNAV 1 or RNP 1 | 1.0 |

Fecha de diseño: MAY 2025

**CATAMARCA (SANC)**
CATAMARCA

Carta de aproximación por instrumentos
*Instrument approach chart*

**VOR RWY 02**

| CATAMARCA TWR | | | | | EMERG |
|---|---|---|---|---|---|
| 118.15 | 119.90 | | | | 121.50 |

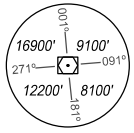
| VOR CAT | FINAL APCH CRS | ALTITUD MNM FAF | | MDA (H) | | AD Elev | 1556' |
|---|---|---|---|---|---|---|---|
| 114.3 | 022° | 3160' | (1652') | 1950' | (442') | THR Elev | 1508' |

Aproximación frustrada: ASC sobre R 017 CAT hasta D3,6 CAT MNM 2500 ft, virar a la izquierda HDG 196° alcanzando MNM 5600 ft, virar a la izquierda DCT CAT VOR ascendiendo a 8000 ft, HLDG y seguir instrucciones del ATC.
*Missed approach: Climb on R 017 CAT until D3.6 CAT MNM 2500 ft, turn left HDG 196° reaching MNM 5600 ft, turn left DCT to CAT VOR climbing 8000 ft , HLDG and proceed as directed by ATC.*

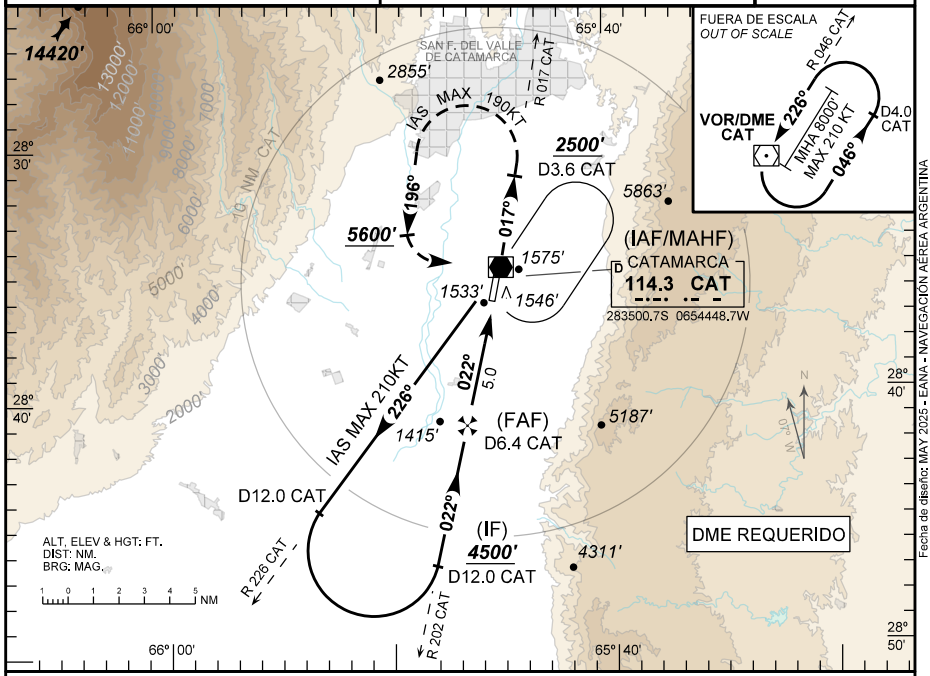
NOTA: Circulación visual solo Oeste RWY 02/20.

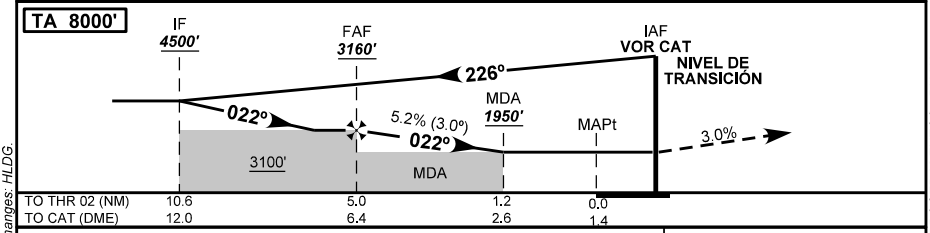
*NOTE: Circle to land only WEST RWY 02/20.*

07° W (2025)




MSA 25NM CAT




DIRECTA RWY 02 / *Straight in RWY 02*

| CAT | VOR/DME | |
|---|---|---|
| | MDA 1950' OCA 1950' | MDH 442' OCH 442' |
| | VIS | |
| A | 2100 M | |
| B | | |
| C | | |
| D | | |

**Circulación Visual**
***Circle to land***

| CAT | MDA/OCA | MDH/OCH | VIS |
|---|---|---|---|
| A | 2100' | 544' | 2500 M |
| B | | | 2800 M |
| C | 2300' | 744' | 3700 M |
| D | | | 4600 M |

| GS KT | 90 | 110 | 130 | 150 | 160 | DIST to CAT | 6,4 | 5,0 | 4,0 | 3,0 | 2,6 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FAF - MAPt 5,0 NM | 3:20 | 2:44 | 2:18 | 2:00 | 1:53 | ALT | 3160 | 2700 | 2390 | 2070 | 1950 |
| FPM | 480 | 580 | 690 | 800 | 850 | HGT | (1652) | (1192) | (882) | (562) | (442) |

Changes: HLDG.
Cambios: HLDG.
PANS OPS

Fecha de diseño: MAY 2025 - EANA - NAVEGACIÓN AÉREA ARGENTINA
DIRECCIÓN REGULACIÓN NORMAS Y PROCEDIMIENTOS - DNINA

**CATAMARCA (SANC)**
CATAMARCA

Carta de aproximación por instrumentos
*Instrument approach chart*

**RNP RWY 02**

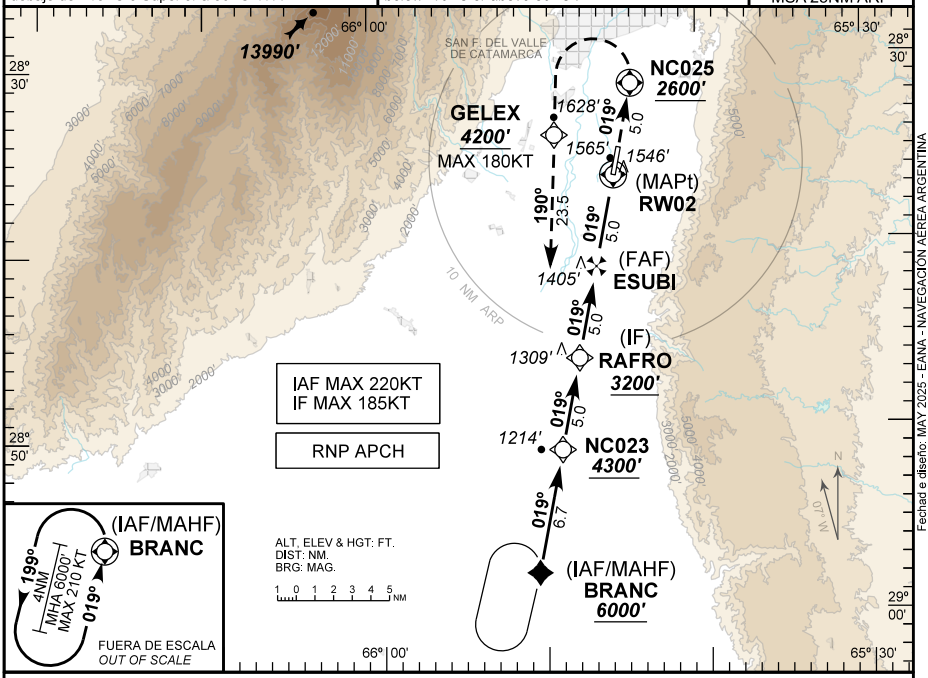
| CATAMARCA TWR | EMERG |
|---|---|
| 118.15 119.90 | 121.50 |

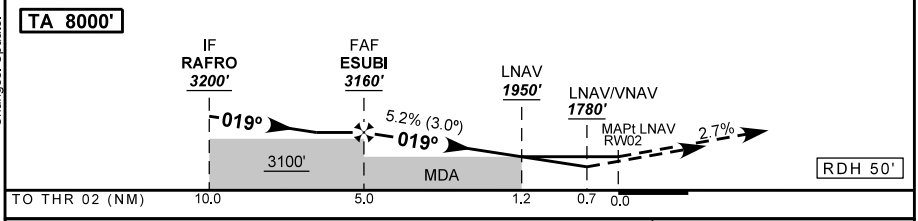
| RNP | FINAL APCH CRS | ALTITUD MNM ESUBI | LNAV/VNAV DA(H) | AD Elev. 1556' / THR Elev. 1508' |
|---|---|---|---|---|
| | 019° | 3160' *(1652')* | 1780' *(272')* | 07° W (2025) |

Aproximación frustrada: ASC con curso 019° hasta NC025 MNM 2600 ft, virar a la izquierda DCT GELEX MNM 4200 ft, continuar hasta BRANC MNM 6000 ft, HLDG y seguir instrucciones del ATC.
*Missed approach: Climb on course 019° to NC025 MNM 2600 ft, turn left DCT GELEX MNM 4200 ft, continue to BRANC MNM 6000 ft, HLDG and proceed as directed by ATC.*

NOTA: Para sistemas Baro VNAV no compensado, debajo de -10° C o Superior a 50° C N.A.

*NOTE: For uncompensated Baro VNAV systems N.A. below -10° C or above 50° C .*




DIRECTA RWY 02 / *Straight in RWY 02*

| CAT | LNAV / VNAV | | LNAV | | |
|---|---|---|---|---|---|
| | DA 1780' OCA 1780' | DH 272' OCH 272' | MDA 1950' OCA 1950' | MDH 442' OCH 442' | |
| | VIS | | VIS | | Circulación Visual N.A. *Circle to land N.A.* |
| A | 1300 M | | 2100 M | | |
| B | | | | | |
| C | | | | | |
| D | N.A. | | | | |

| PANS OPS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GS KT | 90 | 110 | 130 | 150 | 160 | DIST to MAPt | 5.0 | 4.0 | 3.0 | 2.0 | 1.2 |
| FAF - MAPt 5.0 NM | 3:20 | 2:44 | 2:18 | 2:00 | 1:53 | ALT | 3160 | 2830 | 2510 | 2190 | 1950 |
| FPM | 480 | 580 | 690 | 800 | 850 | HGT | (1652) | (1322) | (1002) | (682) | (442) |

Changes: Update.
Cambios: Actualización.
Fechad e diseño: MAY 2025 - EANA - NAVEGACION AEREA ARGENTINA
DIRECCIÓN REGULACIÓN NORMAS Y PROCEDIMIENTOS - DNINA

| 1/1 CATAMARCA (SANC) RNP RWY 02 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Seq Num | Fix Ident | Coordinates | Path Terminator | Fly Over | Distance (NM) | Course M°(T°) | Turn | Alt / Descr | Speed Limit (Kt) | Navigation Specification | RNP |
| 10 | BRANC | S 28°57'37.66" W 065°50'23.42" | IF | N/A | N/A | N/A | N/A | +6000 | -220 | RNP APCH | 1.0 |
| 20 | NC023 | S 28°51'02.30" W 065°48'47.76" | TF | N | 6.7 | 019 (012.0) | N/A | +4300 | -220 | RNP APCH | 1.0 |
| 30 | RAFRO | S 28°46'08.10" W 065°47'36.71" | TF | N | 5.0 | 019 (012.0) | N/A | +3200 | -185 | RNP APCH | 1.0 |
| 10 | RAFRO | S 28°46'08.10" W 065°47'36.71" | IF | N | N/A | N/A | N/A | +3200 | -185 | RNP APCH | 1.0 |
| 20 | ESUBI | S 28°41'13.89" W 065°46'25.78" | TF | N | 5.0 | 019 (012.0) | N/A | +3160 | N/A | RNP APCH | 1.0 |
| 30 | RW02 | S 28°36'19.67" W 065°45'14.95" | TF | Y | 5.0 | 019 (012.0) | N/A | @1558 | N/A | RNP APCH | 0.3 |
| 40 | NC025 | S 28°31'25.41" W 065°44'04.34" | CF | Y | 5.0 | 019 (012.0) | N/A | +2600 | N/A | RNP APCH | 1.0 |
| 50 | GELEX | S 28°34'06.96" W 065°48'46.87" | DF | N | N/A | N/A | L | +4200 | -180 | RNP APCH | 1.0 |
| 60 | BRANC | S 28°57'37.66" W 065°50'23.42" | TF | N | 23.5 | 190 (183.4) | N/A | +6000 | N/A | RNP APCH | 1.0 |
| 70 | BRANC | S 28°57'37.66" W 065°50'23.42" | HM | Y | 4.0 | 019 (012.0) | L | +6000 | -210 | RNP APCH | 1.0 |

Fecha de diseño: MAY 2025

**CATAMARCA (SANC)**
CATAMARCA

Carta de aproximación por instrumentos
*Instrument approach chart*

**RNP RWY 20**

| CATAMARCA TWR | EMERG |
|---|---|
| 118.15 119.90 | 121.50 |

| RNP | FINAL APCH CRS | ALTITUD MNM TINLU | LNAV / VNAV DA(H) | AD Elev / THR Elev |
|---|---|---|---|---|
| | 199° | 3520' (1964') | 1806' (250') | 1556' / 1556' |

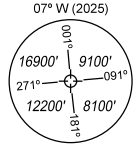
Aproximación frustrada: ASC en curso 199° hasta BRANC alcanzando MNM 5000 ft, HLDG ascendiendo hasta 6000 ft y seguir instrucciones del ATC.

*Missed approach: Climb on course 199° to BRANC, reaching MNM 5000 ft, hold climbing to 6000 ft and proceed as directed by ATC.*

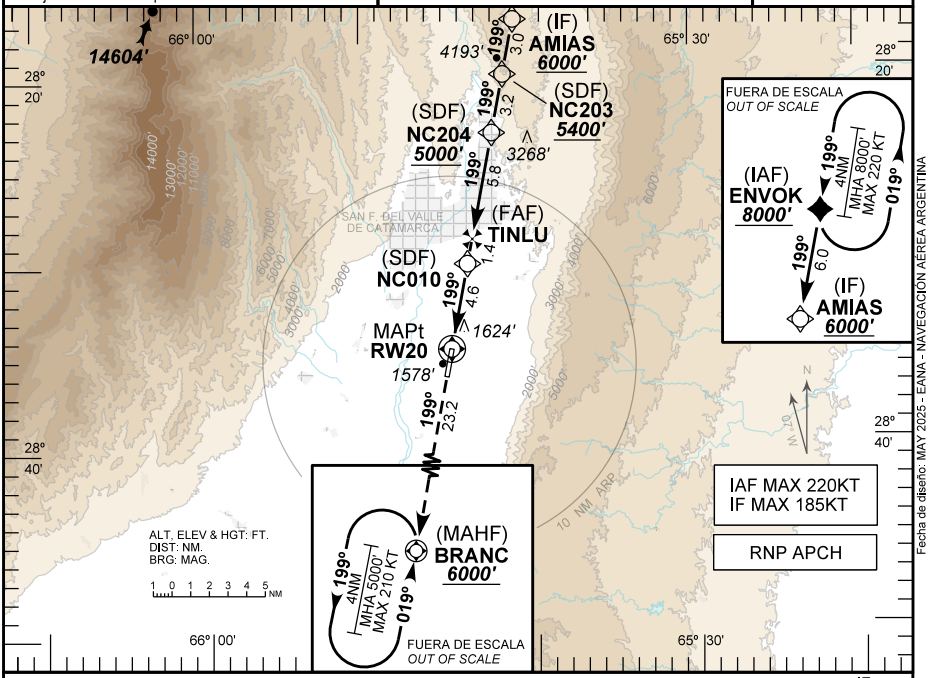
NOTA: Para sistemas Baro VNAV no compensado, debajo de -10° C o superior a 50° C N.A.

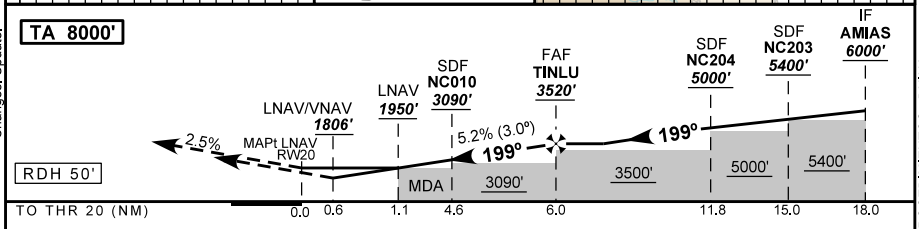
*NOTE: For uncompensated Baro VNAV systems N.A. below -10° C or above 50° C .*

07° W (2025)




MSA 25 NM ARP




DIRECTA RWY 20 / *Straight in RWY 20*

| CAT | LNAV / VNAV | | LNAV | | Circulación Visual N.A. *Circle to land N.A.* |
|---|---|---|---|---|---|
| | DA 1806' OCA 1806' | DH 250' OCH 250' | MDA 1950' OCA 1950' | MDH 394' OCH 394' | |
| | VIS | | VIS | | |
| A | 1300 M | | 1800 M | | |
| B | | | | | |
| C | | | | | |
| D | N.A. | | | | |

| GS KT | 90 | 110 | 130 | 150 | 160 | DIST to MAPt | 6.0 | 4.0 | 3.0 | 2.0 | 1.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FAF - MAPt 5.0 NM | 4:00 | | 2:46 | 2:24 | 2:15 | ALT | 3520 | 2880 | 2560 | 2240 | 1950 |
| FPM | 480 | 580 | 690 | 800 | 850 | HGT | (1964) | (1324) | (1004) | (684) | (394) |

Changes: Update.
Cambios: Actualización.
PANS OPS

Fecha de diseño: MAY 2025 - EANA - NAVEGACIÓN AÉREA ARGENTINA
DIRECCIÓN REGULACIÓN NORMAS Y PROCEDIMIENTOS - DNINA

## 1/1 CATAMARCA (SANC) 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 | ENVOK | S 28°11'18.23" W 065°39'15.27" | IF | N | N/A | N/A | N/A | +8000 | -220 | RNP APCH | 1.0 |
| 20 | AMIAS | S 28°17'11.38" W 065°40'39.61" | TF | N | 6.0 | 199 (191.9) | N/A | +6000 | -185 | RNP APCH | 1.0 |
| 10 | AMIAS | S 28°17'11.38" W 065°40'39.61" | IF | N | N/A | N/A | N/A | +6000 | -185 | RNP APCH | 1.0 |
| 20 | NC203 | S 28°20'07.98" W 065°41'21.84" | TF | N | 3.0 | 199 (192.0) | N/A | +5400 | N/A | RNP APCH | 1.0 |
| 30 | NC204 | S 28°23'16.29" W 065°42'06.92" | TF | N | 3.2 | 199 (192.0) | N/A | +5000 | N/A | RNP APCH | 1.0 |
| 40 | TINLU | S 28°28'57.63" W 065°43'28.75" | TF | N | 5.8 | 199 (192.0) | N/A | +3520 | N/A | RNP APCH | 1.0 |
| 50 | NC010 | S 28°30'16.83" W 065°43'47.76" | TF | N | 1.4 | 199 (192.0) | N/A | +3090 | N/A | RNP APCH | 0.3 |
| 60 | RWY20 | S 28°34'50.72" W 065°44'53.56" | TF | Y | 4.6 | 199 (192.0) | N/A | @1606 | N/A | RNP APCH | 0.3 |
| 70 | BRANC | S 28°57'37.66" W 065°50'23.42" | TF | N | 23.2 | 199 (192.0) | N/A | +5000 | N/A | RNP APCH | 1.0 |
| 80 | BRANC | S 28°57'37.66" W 065°50'23.42" | HM | Y | 4.0 | 019 (012.0) | L | +6000 | -210 | RNP APCH | 1.0 |

Fecha de diseño: MAY 2025