

# RADIO FIX AND HOLDING DATA RECORD

NAME: CORPUS CHRISTI VORTAC      STATE: TX      COUNTRY: US      ICAO REGION CODE: K4  
 LATITUDE/LONGITUDE: 275413.56N/0972641.57W      TYPE:

AIRSPACE DOCKET: 24-ASW-13      FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

| FAC | NAME           | IDENT | TYPE   | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC<br>NM FEET | MRA | MAA   |
|-----|----------------|-------|--------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1   | CORPUS CHRISTI | CRP   | VORTAC | VH    |         |          |     |                          |     | 45000 |

HOLDING:      HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

| PAT | DIR | IDENT | TYPE   | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG LENGTH<br>TIME DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|--------|-------------|----------------|------------------|------------------------|------------------------------|----------------------|
| 1   | N   | CRP   | VORTAC | 012.00      | 192.00         | R                | 1                      | 2100 17500                   | 4 16                 |
| 2   | SE  |       | WP     | 142.67      | 322.67         | R                | 4                      | 2000 14000                   | 4 11                 |
| 3   | NW  |       | WP     | 300.00      | 120.00         | R                | 10                     | 10000 45000                  | 15 30                |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION        | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|--------------------|------------------------|-----------|---------------|
| 1   | 200      | TOWER (48-005225)  | 280207.00N/0972613.00W | 1048      | 5D            |
| 2   | 200      | BRIDGE (48-144965) | 274842.09N/0972403.61W | 562       | 4D            |
| 3   | 230      | TOWER (48-005225)  | 280207.00N/0972613.00W | 1048      | 5D            |

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 CHART PAT 1 ON ENROUTE LOW.  
 PAT 1 IS IN ALERT AREA A-632D. PAT 2 IS IN ALERT AREAS A-632B & D.  
 ASSIGNED FACILITY MAGVAR: 9 DEGREES EAST.

## FIX USE:

| USE TYPE    | USE TITLE                | FAC | PAT | AIRPORT IDENT | CITY                  | STATE   |
|-------------|--------------------------|-----|-----|---------------|-----------------------|---------|
| SPECIAL DP  | HAZZE (RNAV)             |     |     | 71TT          | CORPUS CHRISTI        | TX (US) |
| SPECIAL IAP | COPTER RNAV (GPS) RWY 16 |     |     | 71TT          | CORPUS CHRISTI        | TX (US) |
| SPECIAL IAP | RNAV (GPS) RWY 32        |     |     | XS67          | ROCKPORT              | TX (US) |
| SPECIAL IAP | RNAV (GPS) RWY 14        |     |     | 38XS          | SANTA ELENA           | TX (US) |
| SPECIAL IAP | RNAV (GPS) RWY 32        |     |     | 38XS          | SANTA ELENA           | TX (US) |
| DP          | KARRR (RNAV)             |     |     | T00           | ANAHUAC               | TX (US) |
| DP          | KARRR (RNAV)             |     |     | KLBX          | ANGLETON/LAKE JACKSON | TX (US) |
| DP          | PALMS                    |     |     | KAUS          | AUSTIN                | TX (US) |
| DP          | KARRR (RNAV)             |     |     | 54T           | BAYTOWN               | TX (US) |
| DP          | KARRR (RNAV)             |     |     | KHPY          | BAYTOWN               | TX (US) |
| DP          | KARRR (RNAV)             |     |     | 6R3           | CLEVELAND             | TX (US) |
| DP          | KARRR (RNAV)             |     |     | KGLS          | GALVESTON             | TX (US) |
| DP          | KARRR (RNAV)             |     |     | KAXH          | HOUSTON               | TX (US) |
| DP          | KARRR (RNAV)             |     |     | KCXO          | HOUSTON               | TX (US) |
| DP          | KARRR (RNAV)             |     |     | KDWH          | HOUSTON               | TX (US) |
| DP          | KARRR (RNAV)             |     |     | KEFD          | HOUSTON               | TX (US) |
| DP          | PTRON (RNAV)             |     |     | KHOU          | HOUSTON               | TX (US) |
| DP          | RITAA (RNAV)             |     |     | KIAH          | HOUSTON               | TX (US) |
| DP          | KARRR (RNAV)             |     |     | KIWS          | HOUSTON               | TX (US) |
| DP          | KARRR (RNAV)             |     |     | KLVJ          | HOUSTON               | TX (US) |
| DP          | KARRR (RNAV)             |     |     | KSGR          | HOUSTON               | TX (US) |
| DP          | KARRR (RNAV)             |     |     | KTME          | HOUSTON               | TX (US) |
| DP          | KARRR (RNAV)             |     |     | T41           | LA PORTE              | TX (US) |
| DP          | KARRR (RNAV)             |     |     | T78           | LIBERTY               | TX (US) |
| DP          | BOWIE                    |     |     | KSAT          | SAN ANTONIO           | TX (US) |
| DP          | THREE RIVERS (RNAV)      |     |     | KSAT          | SAN ANTONIO           | TX (US) |
| DP          | BOWIE                    |     |     | KSSF          | SAN ANTONIO           | TX (US) |
| DP          | THREE RIVERS (RNAV)      |     |     | KSSF          | SAN ANTONIO           | TX (US) |
| EN ROUTE    | J22                      |     |     |               |                       | (US)    |
| EN ROUTE    | J25                      |     |     |               |                       | (US)    |
| EN ROUTE    | J29                      |     |     |               |                       | (US)    |
| EN ROUTE    | T499                     |     |     |               |                       | (US)    |
| EN ROUTE    | T545                     |     |     |               |                       | (US)    |
| EN ROUTE    | V13                      |     |     |               |                       | (US)    |
| EN ROUTE    | V163                     |     |     |               |                       | (US)    |
| EN ROUTE    | V20                      |     |     |               |                       | (US)    |
| EN ROUTE    | V407                     |     |     |               |                       | (US)    |
| EN ROUTE    | V70                      |     |     |               |                       | (US)    |
| IAP         | LOC/DME RWY 31           |     |     | KALI          | ALICE                 | TX (US) |
| IAP         | RNAV (GPS) RWY 13        |     |     | KALI          | ALICE                 | TX (US) |
| IAP         | RNAV (GPS) RWY 31        |     |     | KALI          | ALICE                 | TX (US) |
| IAP         | VOR RWY 31               |     |     | KALI          | ALICE                 | TX (US) |
| IAP         | VOR-A                    |     |     | KALI          | ALICE                 | TX (US) |
| IAP         | ILS OR LOC RWY 13        |     |     | KCRP          | CORPUS CHRISTI        | TX (US) |
| IAP         | ILS OR LOC RWY 36        |     |     | KCRP          | CORPUS CHRISTI        | TX (US) |

|      |                             |      |                       |         |
|------|-----------------------------|------|-----------------------|---------|
| IAP  | LOC RWY 31                  | KCRP | CORPUS CHRISTI        | TX (US) |
| IAP  | RNAV (GPS) Y RWY 36         | KCRP | CORPUS CHRISTI        | TX (US) |
| IAP  | RNAV (RNP) Z RWY 31         | KCRP | CORPUS CHRISTI        | TX (US) |
| IAP  | RNAV (RNP) Z RWY 36         | KCRP | CORPUS CHRISTI        | TX (US) |
| IAP  | VOR OR TACAN RWY 18         | KCRP | CORPUS CHRISTI        | TX (US) |
| IAP  | ILS Y OR RNAV (GPS) RWY 13R | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | ILS Z OR LOC/DME RWY 13R    | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | RNAV (GPS) RWY 13L          | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | RNAV (GPS) RWY 18           | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | RNAV (GPS) RWY 22           | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | RNAV (GPS) RWY 31L          | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | RNAV (GPS) RWY 31R          | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | RNAV (GPS) RWY 36           | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | RNAV (GPS) RWY 4            | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | TACAN RWY 18                | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | TACAN RWY 36                | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | TACAN X RWY 31L             | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | TACAN Z RWY 13R             | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | TACAN Z RWY 31L             | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | VOR/DME OR TACAN Y RWY 13R  | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | VOR/DME OR TACAN Y RWY 31L  | KNGP | CORPUS CHRISTI        | TX (US) |
| IAP  | RNAV (GPS) RWY 17           | KBKS | FALFURRIAS            | TX (US) |
| IAP  | RNAV (GPS) RWY 13           | KIKG | KINGSVILLE            | TX (US) |
| IAP  | RNAV (GPS) RWY 13           | KRBO | ROBSTOWN              | TX (US) |
| IAP  | RNAV (GPS) RWY 31           | KRBO | ROBSTOWN              | TX (US) |
| IAP  | VOR/DME-A                   | KRBO | ROBSTOWN              | TX (US) |
| IAP  | VOR OR TACAN-A              | KRKP | ROCKPORT              | TX (US) |
| IAP  | RNAV (GPS) RWY 14           | T69  | SINTON                | TX (US) |
| IAP  | RNAV (GPS) RWY 32           | T69  | SINTON                | TX (US) |
| IAP  | VOR RWY 14                  | T69  | SINTON                | TX (US) |
| STAR | TSHRT                       | T00  | ANAHUAC               | TX (US) |
| STAR | TSHRT                       | KLBX | ANGLETON/LAKE JACKSON | TX (US) |
| STAR | TSHRT                       | 54T  | BAYTOWN               | TX (US) |
| STAR | TSHRT                       | KHPY | BAYTOWN               | TX (US) |
| STAR | TSHRT                       | KGLS | GALVESTON             | TX (US) |
| STAR | TSHRT                       | KAXH | HOUSTON               | TX (US) |
| STAR | TSHRT                       | KEFD | HOUSTON               | TX (US) |
| STAR | BELLR (RNAV)                | KHOU | HOUSTON               | TX (US) |
| STAR | TSHRT                       | KHOU | HOUSTON               | TX (US) |
| STAR | DUUUK                       | KIAH | HOUSTON               | TX (US) |
| STAR | HTOWN (RNAV)                | KIAH | HOUSTON               | TX (US) |
| STAR | TEJAS (RNAV)                | KIAH | HOUSTON               | TX (US) |
| STAR | TSHRT                       | KIWS | HOUSTON               | TX (US) |
| STAR | TSHRT                       | KLJV | HOUSTON               | TX (US) |
| STAR | TSHRT                       | KSGR | HOUSTON               | TX (US) |
| STAR | TSHRT                       | KTME | HOUSTON               | TX (US) |
| STAR | TSHRT                       | T41  | LA PORTE              | TX (US) |
| STAR | LEMIG                       | KSAT | SAN ANTONIO           | TX (US) |
| STAR | LEMIG                       | KSKF | SAN ANTONIO           | TX (US) |
| STAR | LEMIG                       | KSSF | SAN ANTONIO           | TX (US) |
| STAR | LEMIG                       | KRND | UNIVERSAL CITY        | TX (US) |

**REQUIRED CHARTING:** DP, STAR, MILITARY IAP, IAP, EN ROUTE LOW, EN ROUTE HIGH, SPECIAL IAP, SPECIAL DP, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 36

**DATE OF REVISION:** 08/07/2025

**REASON FOR REVISION:**

AIRSPACE DOCKET: ADDED 24-ASW-13.

FIX USE: ADDED T545. REMOVED V568. REMOVED FAC 1 FROM KCRP RNAV (GPS) Y RWY 36 IAP. ADDED PAT 2 TO T69 RNAV (GPS) RWY 32 IAP.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** BARRY SMITH

**APPROVED BY:**

**DATE:** 07/03/2025

**OFFICE:** AJV-A423

**NAME:** ALLAN WILL

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** COTULLA VORTAC      **STATE:** TX      **COUNTRY:** US      **ICAO REGION CODE:** K4

**LATITUDE/LONGITUDE:** 282743.26N/0990706.76W      **TYPE:** WP

**AIRSPACE DOCKET:**      **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME    | IDENT | TYPE   | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC<br>NM FEET | MRA | MAA   |
|-----|---------|-------|--------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1   | COTULLA | COT   | VORTAC | VL    |         |          |     |                          |     | 45000 |

**HOLDING:**      **HOLDING TYPE OF ACTION:** MODIFY

**PATTERNS:**

| PAT | DIR | IDENT | TYPE   | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG LENGTH<br>TIME DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|--------|-------------|----------------|------------------|------------------------|------------------------------|----------------------|
| 1   | E   | COT   | VORTAC | 077.00      | 257.00         | R                | 1                      | 2500 6000                    | 4 5                  |
| 2   | E   | COT   | VORTAC | 078.63      | 258.63         | R                | 1                      | 2100 6000                    | 4 5                  |
| 3   | W   |       | WP     | 280.00      | 100.00         | R                |                        | 4000 60000                   | 15 31                |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 200      | AAO               | 283024.00N/0991045.00W | 817       | 4E            |
| 2   | 200      | AAO               | 283024.00N/0991045.00W | 817       | 4E            |
| 3   | 200      | TOWER (48-025453) | 282340.20N/0991523.76W | 925       | 2C            |

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

**REMARKS:**

PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-6312 AND/OR A-640 AND/OR KINGSVILLE 3 MOA AND/OR CRYSTAL MOA AND/OR CRYSTAL NORTH MOA.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
COT MAG VAR: 1965/E09.  
PAT 3 ATC REQUEST FOR SEVERE WEATHER ROUTING/ALTERNATE HOLDING.

**FIX USE:**

| USE TYPE    | USE TITLE           | FAC | PAT | AIRPORT IDENT | CITY                  | STATE   |
|-------------|---------------------|-----|-----|---------------|-----------------------|---------|
| SPECIAL IAP | RNAV (GPS) M RWY 15 |     |     | 2XS2          | CARRIZO SPRINGS       | TX (US) |
| SPECIAL IAP | RNAV (GPS) M RWY 33 |     |     | 2XS2          | CARRIZO SPRINGS       | TX (US) |
| SPECIAL IAP | RNAV (GPS) RWY 14   |     |     | XA89          | CARRIZO SPRINGS       | TX (US) |
| SPECIAL IAP | RNAV (GPS) RWY 32   |     |     | XA89          | CARRIZO SPRINGS       | TX (US) |
| SPECIAL IAP | RNAV (GPS) RWY 15   |     |     | 5TE0          | EAGLE PASS            | TX (US) |
| SPECIAL IAP | RNAV (GPS) RWY 33   |     |     | 5TE0          | EAGLE PASS            | TX (US) |
| SPECIAL IAP | RNAV (GPS) RWY 12   |     |     | XA66          | ENCINAL               | TX (US) |
| SPECIAL IAP | RNAV (GPS) RWY 15   |     |     | 0XA4          | FREER                 | TX (US) |
| SPECIAL IAP | NDB RWY 15          |     |     | 72TE          | LA PRYOR              | TX (US) |
| DP          | PALACIOS            |     |     | T00           | ANAHUAC               | TX (US) |
| DP          | PALACIOS            |     |     | KLBX          | ANGLETON/LAKE JACKSON | TX (US) |
| DP          | PALACIOS            |     |     | 54T           | BAYTOWN               | TX (US) |
| DP          | PALACIOS            |     |     | KHPY          | BAYTOWN               | TX (US) |
| DP          | PALACIOS            |     |     | 6R3           | CLEVELAND             | TX (US) |
| DP          | PALACIOS            |     |     | KGLS          | GALVESTON             | TX (US) |
| DP          | PALACIOS            |     |     | KAXH          | HOUSTON               | TX (US) |
| DP          | PALACIOS            |     |     | KCXO          | HOUSTON               | TX (US) |
| DP          | PALACIOS            |     |     | KDWH          | HOUSTON               | TX (US) |
| DP          | PALACIOS            |     |     | KEFD          | HOUSTON               | TX (US) |
| DP          | PALACIOS            |     |     | KHOU          | HOUSTON               | TX (US) |
| DP          | PALACIOS            |     |     | KIAH          | HOUSTON               | TX (US) |
| DP          | PALACIOS            |     |     | KIWS          | HOUSTON               | TX (US) |
| DP          | PALACIOS            |     |     | KLVJ          | HOUSTON               | TX (US) |
| DP          | PALACIOS            |     |     | KSGR          | HOUSTON               | TX (US) |
| DP          | PALACIOS            |     |     | KTME          | HOUSTON               | TX (US) |
| DP          | PALACIOS            |     |     | T41           | LA PORTE              | TX (US) |
| DP          | PALACIOS            |     |     | T78           | LIBERTY               | TX (US) |
| DP          | BOWIE               |     |     | KSAT          | SAN ANTONIO           | TX (US) |
| DP          | BOWIE               |     |     | KSSF          | SAN ANTONIO           | TX (US) |
| EN ROUTE    | HIGH                |     | 3   |               |                       | (US)    |
| EN ROUTE    | LOW                 |     | 3   |               |                       | (US)    |
| EN ROUTE    | V17                 |     |     |               |                       | (US)    |
| EN ROUTE    | V550                |     |     |               |                       | (US)    |
| IAP         | RNAV (GPS) RWY 13   |     |     | KCZT          | CARRIZO SPRINGS       | TX (US) |
| IAP         | RNAV (GPS) RWY 31   |     |     | KCZT          | CARRIZO SPRINGS       | TX (US) |
| IAP         | VOR-A               |     | 2   | KCOT          | COTULLA               | TX (US) |
| IAP         | RNAV (GPS) RWY 13   |     |     | 5T9           | EAGLE PASS            | TX (US) |
| IAP         | RNAV (GPS) RWY 31   |     |     | 5T9           | EAGLE PASS            | TX (US) |
| IAP         | VOR/DME OR GPS-A    |     | 1   | T30           | PEARSALL              | TX (US) |
| STAR        | LEMIG               |     |     | KSAT          | SAN ANTONIO           | TX (US) |
| STAR        | LEMIG               |     |     | KSKF          | SAN ANTONIO           | TX (US) |
| STAR        | LEMIG               |     |     | KSSF          | SAN ANTONIO           | TX (US) |
| STAR        | LEMIG               |     |     | KRND          | UNIVERSAL CITY        | TX (US) |

**REQUIRED CHARTING:** DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, SPECIAL IAP, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 24

**DATE OF REVISION:** 07/11/2024

**REASON FOR REVISION:**

HOLDING PATTERN ASSOCIATION UNP,05/16/2024 DELETED.

ADDED HOLDING PAT 3 AND ASSOCIATED OBSTACLE.

ADDED CONTROLLER HIGH AND ENROUTE HIGH TO REQUIRED CHARTING.

ADDED WP TO FIX TYPE.

ADDED REMARK PAT 3 ATC REQUEST FOR SEVERE WEATHER ROUTING/ALTERNATE HOLDING.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** TYLER MITCHELL

**APPROVED BY:**

**DATE:** 05/16/2024

**OFFICE:** AJV-A432

**NAME:** CASIMIR TABAKA

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: LAREDO VORTAC

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 272843.45N/0992503.64W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

| FAC | NAME   | IDENT | TYPE   | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | FEET | MRA | MAA   |
|-----|--------|-------|--------|-------|---------|----------|-----|------------------|------|-----|-------|
| 1   | LAREDO | LRD   | VORTAC | VH    |         |          |     |                  |      |     | 45000 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

| PAT | DIR | IDENT | TYPE   | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG TIME | LENGTH DME | HOLDING ALTITUDES MIN | MAX   | TEMPLATES MIN | MAX |
|-----|-----|-------|--------|-------------|-------------|---------------|----------|------------|-----------------------|-------|---------------|-----|
| 1   | SE  | LRD   | VORTAC | 132.00      | 312.00      | R             | 1        |            | 2500                  | 17500 | 4             | 16  |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 200      | TOWER (48-008419) | 272716.26N/0992516.95W | 997       | 1A            |
| 1   | 310      | TOWER (48-001919) | 273113.00N/0993120.00W | 1449      | 5D            |

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE     | AIRPORT IDENT | CITY   | STATE   |
|-----|---------------------|---------------|--------|---------|
| 1   | VOR OR TACAN RWY 14 | KLRD          | LAREDO | TX (US) |

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
HOLDING PATTERN PROTECTED AIRSPACE OVERLAP MEXICO BOUNDARY.  
MAG VAR E9/1965.

FIX USE:

| USE TYPE    | USE TITLE           | FAC | PAT | AIRPORT IDENT | CITY            | STATE   |
|-------------|---------------------|-----|-----|---------------|-----------------|---------|
| SPECIAL IAP | RNAV (GPS) M RWY 15 |     |     | 2XS2          | CARRIZO SPRINGS | TX (US) |
| SPECIAL IAP | RNAV (GPS) M RWY 33 |     |     | 2XS2          | CARRIZO SPRINGS | TX (US) |
| DP          | BOWIE               |     |     | KSAT          | SAN ANTONIO     | TX (US) |
| DP          | BOWIE               |     |     | KSSF          | SAN ANTONIO     | TX (US) |
| EN ROUTE    | J21                 |     |     |               |                 | (US)    |
| EN ROUTE    | J22                 |     |     |               |                 | (US)    |
| EN ROUTE    | V359                |     |     |               |                 | (US)    |
| EN ROUTE    | V17                 |     |     |               |                 | TX (US) |
| IAP         | RNAV (GPS) RWY 13   |     |     | KHBV          | HEBBRONVILLE    | TX (US) |
| IAP         | ILS OR LOC RWY 18R  |     |     | KLRD          | LAREDO          | TX (US) |
| IAP         | LOC BC RWY 36L      |     |     | KLRD          | LAREDO          | TX (US) |
| IAP         | VOR OR TACAN RWY 14 |     | 1   | KLRD          | LAREDO          | TX (US) |
| IAP         | VOR OR TACAN RWY 32 |     |     | KLRD          | LAREDO          | TX (US) |
| STAR        | LEMIG               |     |     | KSAT          | SAN ANTONIO     | TX (US) |
| STAR        | LEMIG               |     |     | KSKF          | SAN ANTONIO     | TX (US) |
| STAR        | LEMIG               |     |     | KSSF          | SAN ANTONIO     | TX (US) |
| STAR        | LEMIG               |     |     | KRND          | UNIVERSAL CITY  | TX (US) |

REQUIRED CHARTING: DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, SPECIAL IAP, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. REMOVED "INDUSTRY AT KIAH, KLBX, KGLS, KAXH, KCXO, KDWH, KEFD, KHOU, KIWS, KSGR, KTME, T41" FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: ROBERT SWINSON

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A432

NAME: JOSEPH ZEDER

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: SKIDS

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 281219.57N/0974750.58W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 24-ASW-13

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

| FAC | NAME           | IDENT | TYPE   | CLASS | MAG<br>BRG | TRUE<br>BRG | DME   | DIST FROM FAC<br>NM FEET | MRA  | MAA   |
|-----|----------------|-------|--------|-------|------------|-------------|-------|--------------------------|------|-------|
| 1   | CORPUS CHRISTI | CRP   | VORTAC | VH    | 305.05     | 314.05      | 26.00 | 26.00                    | 1900 | 17500 |
| 2   | ALICE          | ALI   | VOR    | VL    | 017.07     | 023.07      |       | 30.30                    | 1900 | 17500 |

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

CORPUS CHRISTI (FAC 1) AND ALICE (FAC 2) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

| USE TYPE | USE TITLE           | FAC  | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|---------------------|------|-----|---------------|----------------|---------|
| EN ROUTE | T545                |      |     |               |                | (US)    |
| EN ROUTE | V163                | 1, 2 |     |               |                | (US)    |
| IAP      | ILS OR LOC RWY 13   | 1, 2 |     | KCRP          | CORPUS CHRISTI | TX (US) |
| IAP      | RNAV (GPS) RWY 18   |      |     | KCRP          | CORPUS CHRISTI | TX (US) |
| IAP      | RNAV (GPS) X RWY 31 |      |     | KCRP          | CORPUS CHRISTI | TX (US) |
| IAP      | RNAV (GPS) Y RWY 13 |      |     | KCRP          | CORPUS CHRISTI | TX (US) |
| IAP      | RNAV (GPS) Y RWY 31 |      |     | KCRP          | CORPUS CHRISTI | TX (US) |
| IAP      | RNAV (RNP) Z RWY 13 |      |     | KCRP          | CORPUS CHRISTI | TX (US) |
| IAP      | RNAV (RNP) Z RWY 31 |      |     | KCRP          | CORPUS CHRISTI | TX (US) |
| IAP      | RNAV (RNP) Z RWY 36 |      |     | KCRP          | CORPUS CHRISTI | TX (US) |
| IAP      | RNAV (GPS) RWY 14   |      |     | KRKP          | ROCKPORT       | TX (US) |
| IAP      | RNAV (GPS) RWY 18   |      |     | KRKP          | ROCKPORT       | TX (US) |
| IAP      | RNAV (GPS) RWY 32   |      |     | KRKP          | ROCKPORT       | TX (US) |
| IAP      | RNAV (GPS) RWY 36   |      |     | KRKP          | ROCKPORT       | TX (US) |
| STAR     | LEMIG               | 1, 2 |     | KSAT          | SAN ANTONIO    | TX (US) |
| STAR     | LEMIG               | 1, 2 |     | KSKF          | SAN ANTONIO    | TX (US) |
| STAR     | LEMIG               | 1, 2 |     | KSSF          | SAN ANTONIO    | TX (US) |
| STAR     | LEMIG               | 1, 2 |     | KRND          | UNIVERSAL CITY | TX (US) |

REQUIRED CHARTING: STAR, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 08/07/2025

## REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 24-ASW-13.  
FIX USE: ADDED T545. ADDED KSAT, KSKF, KSSF AND KRND LEMIG STAR.  
REQUIRED CHARTING: ADDED STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: SLENA

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 283238.31N/0981147.89W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 24-ASW-13

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

| FAC | NAME           | IDENT | TYPE   | CLASS | MAG BRG | TRUE BRG | DME   | DIST FROM FAC NM | FEET | MRA  | MAA   |
|-----|----------------|-------|--------|-------|---------|----------|-------|------------------|------|------|-------|
| 1   | SAN ANTONIO    | SAT   | VORTAC | VH    | 160.00  | 168.00   | 67.29 | 67.29            |      | 3000 | 17500 |
| 2   | CORPUS CHRISTI | CRP   | VORTAC | VH    | 305.05  | 314.05   | 55.27 | 55.27            |      | 3000 | 17500 |
| 3   | COTULLA        | COT   | VORTAC | VL    | 075.03  | 084.03   |       | 48.98            |      | 3000 | 17500 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| SAT       | VORTAC   | R-160          | 68       | 3000         | 15700        |
| CRP       | VORTAC   | R-305          | 56       | 3000         | 14600        |
| COT       | VORTAC   | R-075          | 49       | 3000         | 5600         |

## HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | DME | HOLDING ALTITUDES MIN | MAX  | TEMPLATES MIN | MAX |
|-----|-----|-------|------|-------------|-------------|---------------|-----------------|-----|-----------------------|------|---------------|-----|
| 1   | SW  |       | WP   | 204.00      | 024.00      | R             |                 | 4   | 2000                  | 6000 | 4             | 6   |
| 2   | NE  |       | WP   | 041.00      | 221.00      | R             |                 | 4   | 2000                  | 6000 | 4             | 6   |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 200      | TOWER (48-008226) | 283314.00N/0981117.00W | 706       | 1A            |
| 2   | 200      | TOWER (48-008226) | 283314.00N/0981117.00W | 706       | 1A            |

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

SAN ANTONIO (FAC 1) AND COTULLA (FAC 3) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

| USE TYPE    | USE TITLE         | FAC     | PAT | AIRPORT IDENT | CITY           | STATE   |
|-------------|-------------------|---------|-----|---------------|----------------|---------|
| SPECIAL IAP | RNAV (GPS) RWY 33 |         |     | 0XA4          | FREER          | TX (US) |
| SPECIAL IAP | RNAV (GPS) RWY 17 |         | 1   | XS71          | PAWNEE         | TX (US) |
| DP          | SLENA (RNAV)      |         |     | KCVB          | CASTROVILLE    | TX (US) |
| DP          | SLENA (RNAV)      |         |     | KBAZ          | NEW BRAUNFELS  | TX (US) |
| DP          | SLENA (RNAV)      |         |     | KPEZ          | PLEASANTON     | TX (US) |
| DP          | SLENA (RNAV)      |         |     | 5C1           | SAN ANTONIO    | TX (US) |
| DP          | BOWIE             | 1, 3    |     | KSAT          | SAN ANTONIO    | TX (US) |
| DP          | SLENA (RNAV)      |         |     | KSAT          | SAN ANTONIO    | TX (US) |
| DP          | SLENA (RNAV)      |         |     | KSKF          | SAN ANTONIO    | TX (US) |
| DP          | BOWIE             | 1, 3    |     | KSSF          | SAN ANTONIO    | TX (US) |
| DP          | SLENA (RNAV)      |         |     | KSSF          | SAN ANTONIO    | TX (US) |
| DP          | SLENA (RNAV)      |         |     | KRND          | UNIVERSAL CITY | TX (US) |
| EN ROUTE    | T545              |         |     |               |                | (US)    |
| EN ROUTE    | V163              | 1, 2, 3 |     |               |                | (US)    |
| IAP         | RNAV (GPS) RWY 12 |         |     | KBEA          | BEEVILLE       | TX (US) |
| IAP         | RNAV (GPS) RWY 13 |         | 2   | 8T6           | GEORGE WEST    | TX (US) |
| STAR        | LEMIG             | 2, 3    |     | KSAT          | SAN ANTONIO    | TX (US) |
| STAR        | LEMIG             | 2, 3    |     | KSKF          | SAN ANTONIO    | TX (US) |
| STAR        | LEMIG             | 2, 3    |     | KSSF          | SAN ANTONIO    | TX (US) |
| STAR        | LEMIG             | 2, 3    |     | KRND          | UNIVERSAL CITY | TX (US) |

REQUIRED CHARTING: DP, STAR, IAP, EN ROUTE LOW, SPECIAL IAP, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 08/07/2025

## REASON FOR REVISION:

TYPE: ADDED INT AND DME.

AIRSPACE DOCKET: ADDED 24-ASW-13.

FIX MAKE-UP FACILITIES: ADDED FAC 1 (SAT), FAC 2 (CRP) AND FAC 3 (COT).

ESV: ADDED SAT VORTAC, CRP VORTAC AND COT VORTAC ESV DATA.

FIX RESTRICTIONS: MOVED HOLDING LIMITED TO ESTABLISHED PATTERNS FROM FIX RESTRICTIONS TO HOLDING RESTRICTIONS.

REMARKS: ADDED SAN ANTONIO (FAC 1) AND COTULLA (FAC 3) USED TO ESTABLISH FIX COORDINATES.

FIX USE: ADDED V163 AND T545. ADDED LEMIG STAR AT KSAT, KSKF, KSSF AND KRND. ADDED KBEA RNAV (GPS) RWY 12 IAP. ADDED

BOWIE DP AT KSAT AND KSSF.

REQUIRED CHARTING: ADDED STAR, EN ROUTE LOW AND CONTROLLER LOW.

**INITIATED BY:****DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** BARRY SMITH**APPROVED BY:****DATE:** 07/03/2025**OFFICE:** AJV-A423**NAME:** ALLAN WILL**SIGNATURE:**