

# RADIO FIX AND HOLDING DATA RECORD

NAME: JIJHO

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 312419.40N/0965608.11W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

## 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   | WACO | ACT   | VORTAC | H     | 122.89     | 131.89      | 23.00 |                          | 1500 | 10000 |

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY   | STATE   |
|----------|-----------|-----|-----|---------------|--------|---------|
| IAP      |           |     |     | T15           | MARLIN | TX (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/21/2000

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/29/1999

OFFICE: AVN-130

NAME:

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: CASEY HILL

*Digitally signed by*

**CASEY D HILL**

Jul 02, 2026

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: FTW  
ARTCC: ZFW  
ATC FACILITY: ACT APP CON  
OTHER:

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MADTU

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 312032.53N/0965115.18W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

## 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   | WACO | ACT   | VORTAC | VH    | 122.88     | 131.88      | 28.63 | 28.63               |      | 1180 | 4000 |

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

| USE TYPE | USE TITLE        | FAC | PAT | AIRPORT IDENT | CITY   | STATE   |
|----------|------------------|-----|-----|---------------|--------|---------|
| IAP      | VOR/DME OR GPS-A | 1   |     | T15           | MARLIN | TX (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/08/2020

## REASON FOR REVISION:

CORRECTED LAT/LONG FROM 312053.64N-0965056.15W TO 312032.5257N-0965115.7445 TO MATCH THE DOCUMENTED MAP.  
ADDED FIX USE, TYPE AND REQUIRED CHARTING, PREVIOUSLY BLOCKS WERE EMPTY.  
ADDED FAC 1, WACO, ACT, H-VORTAC, 122.88M/131.88T, 28.63DME, 28.63DIST FROM FAC, 1180MRA AND 4000MAA.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A443

NAME: MARY MCDONALD

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: CASEY HILL

*Digitally signed by*

SIGNATURE:

**CASEY D HILL**

Jul 02, 2026

DISTRIBUTION:

NFDC  
FPO: CEN  
ARTCC: ZFW  
ATC FACILITY: WACO APP CON  
OTHER:

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MITRA

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 313021.73N/0970357.04W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE   | CLASS | MAG BRG | TRUE BRG | DME   | DIST FROM FAC<br>NM FEET | MRA  | MAA   |
|-----|------|-------|--------|-------|---------|----------|-------|--------------------------|------|-------|
| 1   | WACO | ACT   | VORTAC | H     | 122.89  | 131.89   | 14.00 |                          | 2800 | 10000 |

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

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   | SE  | ACT   | VORTAC | 122.89      | 302.89         | R                | 1                      | 2800 10000                   | 4 9                  |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION     | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-----------------|------------------------|-----------|---------------|
| 1   | 200      | TOWER (44-2539) | 313032.00N/0971004.00W | 1023      | 3C            |

REMARKS:

HOLDING LIMITED TO ESTABLISHED PATTERN

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY   | STATE   |
|----------|-----------|-----|-----|---------------|--------|---------|
| IAP      |           |     |     |               | MARLIN | TX (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/21/2000

REASON FOR REVISION:

DELETED 170-175 K HOLDING PATTERN.  
ADDED 200-230 K HOLDING PATTERN.  
RAISED MINIMUM HOLDING ALTITUDE TO 2800 FT.  
FIX MOVED 1318.97 FT TO ALIGN WITH THE OPTIMUM APPROACH COURSE OF THE VOR/DME-A AT MARLIN, TX.

INITIATED BY:

DATE:

ORGANIZATION:

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DEVELOPED BY:

DATE: 10/29/1999

OFFICE: AVN-130

NAME:

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: CASEY HILL

Digitally signed by

SIGNATURE:

CASEY D HILL

Jul 02, 2026

DISTRIBUTION:

NFDC  
FPO: FTW  
ARTCC: ZFW  
ATC FACILITY: ACT APP CON  
OTHER:

QUALITY  
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CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: UHMOT

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 314651.62N/0970159.92W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

## 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   | WACO | ACT   | VORTAC | H     | 050.44     | 059.44      | 14.00 |                     |      | 2800 | 10000 |

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

| USE TYPE        | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY   | STATE<br>(US) |
|-----------------|-----------|-----|-----|---------------|--------|---------------|
| EN ROUTE<br>IAP |           |     |     | T15           | MARLIN | TX (US)       |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/21/2000

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 12/07/1999

OFFICE: AVN-130

NAME:

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: CASEY HILL

SIGNATURE:

*Digitally signed by*

**CASEY D HILL**

Jul 02, 2026

DISTRIBUTION:

NFDC  
FPO: FTW  
ARTCC: ZFW  
ATC FACILITY: ACT APP CON  
OTHER:

QUALITY  
13  
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# RADIO FIX AND HOLDING DATA RECORD

NAME: VURQI

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 312555.31N/0971858.82W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

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   | WACO | ACT   | VORTAC | H     | 180.99     | 189.99      | 14.00 |                          | 2800 | 10000 |

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE  
EN ROUTE  
IAP

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE  
(US)  
TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/21/2000

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 12/07/1999

OFFICE: AVN-130

NAME:

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: CASEY HILL

*Digitally signed by*

**CASEY D HILL**

SIGNATURE:

Jul 02, 2026

DISTRIBUTION:

NFDC  
FPO: FTW  
ARTCC: ZFW  
ATC FACILITY: ACT APP CON  
OTHER:

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: WACO VORTAC      STATE: TX      COUNTRY: US      ICAO REGION CODE: K4  
 LATITUDE/LONGITUDE: 313944.03N/0971608.45W      TYPE:

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   | WACO | ACT   | 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   | NW  | ACT   | VORTAC | 328.00      | 148.00         | R                | 1                      | 3000 6000                    | 4 13                 |
| 2   | N   |       | WP     | 018.17      | 198.17         | R                | 4                      | 2500 6000                    | 5 6                  |
| 3   | N   | ACT   | VORTAC | 005.10      | 185.10         | R                | 1                      | 4000 6000                    | 4 13                 |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 200      | TOWER (48-010156) | 314411.97N/0971928.01W | 1065      | 4D            |
| 1   | 310      | TOWER (48-008113) | 314736.90N/0972719.80W | 1296      | 4D            |
| 2   | 200      | TOWER (48-010156) | 314411.97N/0971928.01W | 1065      | 4D            |
| 3   | 200      | TOWER (48-010156) | 314411.97N/0971928.01W | 1065      | 4D            |
| 3   | 310      | TOWER (48-010156) | 314411.97N/0971928.01W | 1065      | 4D            |

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE    | AIRPORT IDENT | CITY | STATE   |
|-----|--------------------|---------------|------|---------|
| 1   | ILS OR LOC RWY 17L | CNW           | WACO | TX (US) |
| 1   | VOR/DME RWY 32     | ACT           | WACO | TX (US) |
| 3   | VOR RWY 17         | PWG           | WACO | TX (US) |

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAGVAR: 9E (1965).

## FIX USE:

| USE TYPE | USE TITLE    | FAC | PAT | AIRPORT IDENT | CITY                  | STATE   |
|----------|--------------|-----|-----|---------------|-----------------------|---------|
| DP       | LEONA        |     |     | LBX           | ANGLETON/LAKE JACKSON | TX (US) |
| DP       | JOE POOL     |     |     | GKY           | ARLINGTON             | TX (US) |
| DP       | CENTEX       |     |     | AUS           | AUSTIN                | TX (US) |
| DP       | JOE POOL     |     |     | CPT           | CLEBURNE              | TX (US) |
| DP       | JOE POOL     |     |     | ADS           | DALLAS                | TX (US) |
| DP       | CURLO (RNAV) |     |     | DAL           | DALLAS                | TX (US) |
| DP       | JOE POOL     |     |     | DAL           | DALLAS                | TX (US) |
| DP       | RAMBL (RNAV) |     |     | DAL           | DALLAS                | TX (US) |
| DP       | VENUS        |     |     | DAL           | DALLAS                | TX (US) |
| DP       | JOE POOL     |     |     | RBD           | DALLAS                | TX (US) |
| DP       | JOE POOL     |     |     | TKI           | DALLAS                | TX (US) |
| DP       | JOE POOL     |     |     | DFW           | DALLAS-FORT WORTH     | TX (US) |
| DP       | KEENE        |     |     | DFW           | DALLAS-FORT WORTH     | TX (US) |
| DP       | NELYN (RNAV) |     |     | DFW           | DALLAS-FORT WORTH     | TX (US) |
| DP       | JOE POOL     |     |     | LUD           | DECATUR               | TX (US) |
| DP       | JOE POOL     |     |     | DTO           | DENTON                | TX (US) |
| DP       | LAMPS        |     |     | GRK           | FORT HOOD (KILLEEN)   | TX (US) |
| DP       | LAMPS        |     |     | HLR           | FORT HOOD (KILLEEN)   | TX (US) |
| DP       | JOE POOL     |     |     | 50F           | FORT WORTH            | TX (US) |
| DP       | JOE POOL     |     |     | AFW           | FORT WORTH            | TX (US) |
| DP       | JOE POOL     |     |     | FTW           | FORT WORTH            | TX (US) |
| DP       | JOE POOL     |     |     | FWS           | FORT WORTH            | TX (US) |
| DP       | JOE POOL     |     |     | NFW           | FORT WORTH            | TX (US) |
| DP       | LEONA        |     |     | GLS           | GALVESTON             | TX (US) |
| DP       | JOE POOL     |     |     | GPM           | GRAND PRAIRIE         | TX (US) |
| DP       | LEONA        |     |     | AXH           | HOUSTON               | TX (US) |
| DP       | LEONA        |     |     | CXO           | HOUSTON               | TX (US) |
| DP       | LEONA        |     |     | DWH           | HOUSTON               | TX (US) |
| DP       | LEONA        |     |     | EFD           | HOUSTON               | TX (US) |
| DP       | LEONA        |     |     | HOU           | HOUSTON               | TX (US) |
| DP       | LEONA        |     |     | IAH           | HOUSTON               | TX (US) |
| DP       | LEONA        |     |     | IWS           | HOUSTON               | TX (US) |
| DP       | LEONA        |     |     | SGR           | HOUSTON               | TX (US) |
| DP       | LEONA        |     |     | TME           | HOUSTON               | TX (US) |
| DP       | LAMPS        |     |     | ILE           | KILLEEN               | TX (US) |
| DP       | LEONA        |     |     | T41           | LA PORTE              | TX (US) |
| DP       | JOE POOL     |     |     | LNC           | LANCASTER             | TX (US) |
| DP       | JOE POOL     |     |     | HQZ           | MESQUITE              | TX (US) |

QUALITY  
13  
CHECKED

|          |                    |   |     |                       |         |
|----------|--------------------|---|-----|-----------------------|---------|
| DP       | JOE POOL           |   | JWY | MIDLOTHIAN/WAXAHACHIE | TX (US) |
| DP       | JOE POOL           |   | F46 | ROCKWALL              | TX (US) |
| DP       | TAKE-OFF MINIMUMS  |   | PWG | WACO                  | TX (US) |
| DP       | JOE POOL           |   | WEA | WEATHERFORD           | TX (US) |
| EN ROUTE | J21                |   |     |                       | (US)    |
| EN ROUTE | J25                |   |     |                       | (US)    |
| EN ROUTE | J50                |   |     |                       | (US)    |
| EN ROUTE | V15                |   |     |                       | (US)    |
| EN ROUTE | V17                |   |     |                       | (US)    |
| EN ROUTE | V358               |   |     |                       | (US)    |
| EN ROUTE | V54                |   |     |                       | (US)    |
| EN ROUTE | V548               |   |     |                       | (US)    |
| IAP      | LOC RWY 15         |   | CPT | CLEBURNE              | TX (US) |
| IAP      | RNAV (GPS) RWY 33  |   | CPT | CLEBURNE              | TX (US) |
| IAP      | ILS OR LOC RWY 36L |   | FWS | FORT WORTH            | TX (US) |
| IAP      | RNAV (GPS) RWY 36  |   | JWY | MIDLOTHIAN/WAXAHACHIE | TX (US) |
| IAP      | ILS OR LOC RWY 16  |   | TPL | TEMPLE                | TX (US) |
| IAP      | RNAV (GPS) RWY 16  |   | TPL | TEMPLE                | TX (US) |
| IAP      | VOR/DME RWY 32     | 1 | ACT | WACO                  | TX (US) |
| IAP      | ILS OR LOC RWY 19  |   | ACT | WACO                  | TX (US) |
| IAP      | VOR RWY 14         |   | ACT | WACO                  | TX (US) |
| IAP      | ILS OR LOC RWY 17L | 1 | CNW | WACO                  | TX (US) |
| IAP      | RNAV (GPS) RWY 17L |   | CNW | WACO                  | TX (US) |
| IAP      | RNAV (GPS) RWY 35R |   | CNW | WACO                  | TX (US) |
| IAP      | RNAV (GPS) RWY 35  | 2 | PWG | WACO                  | TX (US) |
| IAP      | VOR RWY 17         | 3 | PWG | WACO                  | TX (US) |
| STAR     | DODJE              |   | GKY | ARLINGTON             | TX (US) |
| STAR     | BLEWE              |   | AUS | AUSTIN                | TX (US) |
| STAR     | BLEWE              |   | EDC | AUSTIN                | TX (US) |
| STAR     | BLEWE              |   | HYI | AUSTIN                | TX (US) |
| STAR     | RIICE              |   | 6R3 | CLEVELAND             | TX (US) |
| STAR     | YEAGR              |   | ADS | DALLAS                | TX (US) |
| STAR     | YEAGR              |   | DAL | DALLAS                | TX (US) |
| STAR     | DODJE              |   | RBD | DALLAS                | TX (US) |
| STAR     | YEAGR              |   | TKI | DALLAS                | TX (US) |
| STAR     | CEDAR CREEK        |   | DFW | DALLAS-FORT WORTH     | TX (US) |
| STAR     | YEAGR              |   | DFW | DALLAS-FORT WORTH     | TX (US) |
| STAR     | DODJE              |   | LUD | DECATUR               | TX (US) |
| STAR     | DODJE              |   | DTO | DENTON                | TX (US) |
| STAR     | DODJE              |   | AFW | FORT WORTH            | TX (US) |
| STAR     | DODJE              |   | FTW | FORT WORTH            | TX (US) |
| STAR     | DODJE              |   | FWS | FORT WORTH            | TX (US) |
| STAR     | DODJE              |   | NFW | FORT WORTH            | TX (US) |
| STAR     | DODJE              |   | GPM | GRAND PRAIRIE         | TX (US) |
| STAR     | RIICE              |   | CXO | HOUSTON               | TX (US) |
| STAR     | RIICE              |   | DWH | HOUSTON               | TX (US) |
| STAR     | RIICE              |   | IAH | HOUSTON               | TX (US) |
| STAR     | BLEWE              |   | RYW | LAGO VISTA            | TX (US) |
| STAR     | BLEWE              |   | 3R9 | LAKEWAY               | TX (US) |
| STAR     | DODJE              |   | LNC | LANCASTER             | TX (US) |
| STAR     | RIICE              |   | T78 | LIBERTY               | TX (US) |
| STAR     | YEAGR              |   | HQZ | MESQUITE              | TX (US) |
| STAR     | DODJE              |   | JWY | MIDLOTHIAN/WAXAHACHIE | TX (US) |
| STAR     | YEAGR              |   | F46 | ROCKWALL              | TX (US) |
| STAR     | MARCS              |   | SAT | SAN ANTONIO           | TX (US) |
| STAR     | MARCS              |   | SKF | SAN ANTONIO           | TX (US) |
| STAR     | MARCS              |   | SSF | SAN ANTONIO           | TX (US) |
| STAR     | BLEWE              |   | T74 | TAYLOR                | TX (US) |
| STAR     | MARCS              |   | RND | UNIVERSAL CITY        | TX (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 37

**DATE OF REVISION:** 10/29/2026

**REASON FOR REVISION:**

1. FIX USE: REMOVED T15 VOR/DME OR GPS-A.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

*Digitally signed by*

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A421

**NAME:** DUSTIN HILLEY

**CASEY D HILL**

**APPROVED BY:**

**DATE:** 09/24/2026

**OFFICE:** AJV-A421

**NAME:** CASEY HILL

Jul 02, 2026

**SIGNATURE:**

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