

# RADIO FIX AND HOLDING DATA RECORD

NAME: COWZZ

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 300422.06N/0961246.04W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME            | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME   | DIST FROM FAC NM | MRA  | MAA   |
|-----|-----------------|-------|---------|-------|---------|----------|-------|------------------|------|-------|
| 1   | COLLEGE STATION | CLL   | VORTAC  | L     | 153.23  | 161.23   | 33.64 | 33.64            | 7000 | 17500 |
| 2   | NAVASOTA        | TNV   | VOR/DME | H     | 203.94  | 211.94   | 15.21 | 15.21            | 2000 | 17500 |
| 3   | INDUSTRY        | IDU   | VORTAC  | L     | 060.91  | 068.91   |       | 19.50            | 2000 | 17500 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:**

COLLEGE STATION (FAC 1) AND NAVASOTA (FAC 2) AND INDUSTRY (FAC 3) USED TO ESTABLISH FIX COORDINATES.

**FIX USE:**

| USE TYPE | USE TITLE    | FAC     | PAT | AIRPORT IDENT | CITY                  | STATE   |
|----------|--------------|---------|-----|---------------|-----------------------|---------|
| STAR     | BLUBELL      | 1, 2, 3 |     | T00           | ANAHUAC               | TX (US) |
| STAR     | BLUBELL      | 1, 2, 3 |     | KLBX          | ANGLETON/LAKE JACKSON | TX (US) |
| STAR     | BLUBELL      | 1, 2, 3 |     | 54T           | BAYTOWN               | TX (US) |
| STAR     | BLUBELL      | 1, 2, 3 |     | KHPY          | BAYTOWN               | TX (US) |
| STAR     | PIEGY (RNAV) |         |     | 6R3           | CLEVELAND             | TX (US) |
| STAR     | BLUBELL      | 1, 2, 3 |     | KGLS          | GALVESTON             | TX (US) |
| STAR     | BLUBELL      | 1, 2, 3 |     | KAXH          | HOUSTON               | TX (US) |
| STAR     | PIEGY (RNAV) |         |     | KCXO          | HOUSTON               | TX (US) |
| STAR     | PIEGY (RNAV) |         |     | KDWH          | HOUSTON               | TX (US) |
| STAR     | BLUBELL      | 1, 2, 3 |     | KEFD          | HOUSTON               | TX (US) |
| STAR     | BLUBELL      | 1, 2, 3 |     | KHOU          | HOUSTON               | TX (US) |
| STAR     | BLUBELL      | 1, 2, 3 |     | KIWS          | HOUSTON               | TX (US) |
| STAR     | BLUBELL      | 1, 2, 3 |     | KLVJ          | HOUSTON               | TX (US) |
| STAR     | BLUBELL      | 1, 2, 3 |     | KSGR          | HOUSTON               | TX (US) |
| STAR     | BLUBELL      | 1, 2, 3 |     | KTME          | HOUSTON               | TX (US) |
| STAR     | BLUBELL      | 1, 2, 3 |     | T41           | LA PORTE              | TX (US) |
| STAR     | PIEGY (RNAV) |         |     | T78           | LIBERTY               | TX (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 12/29/2022

**REASON FOR REVISION:**

FIX MAKE-UP FACILITIES: REMOVED FAC 3 (ELA).

FIX USE: REMOVED WHAEL STAR AT ALL AFFECTED AIRPORTS. CHANGED BLUBL STAR TO BLUBELL STAR AT ALL AFFECTED AIRPORTS.

ADDED PIEGY (RNAV STAR) AT K6R3, KT78, KCXO AND KDWH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 12/29/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: EATIT

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 293300.86N/0963502.04W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

### USE TYPE

STAR  
STAR  
STAR  
STAR

### USE TITLE

PIEGY (RNAV)  
PIEGY (RNAV)  
PIEGY (RNAV)  
PIEGY (RNAV)

### FAC

### PAT

### AIRPORT IDENT

6R3  
KCXO  
KDWH  
T78

### CITY

CLEVELAND  
HOUSTON  
HOUSTON  
LIBERTY

### STATE

TX (US)  
TX (US)  
TX (US)  
TX (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/29/2022

## REASON FOR REVISION:

TYPE: ADDED WP. REMOVED RADAR, INT AND DME - ATC REQUEST.

FIX MAKE-UP FACILITIES: REMOVED FACS 1-3 - FIX HAS NO GROUND BASED NAVAID USAGE.

ESV: REMOVED PSX VORTAC AND TNV VOR/DME ESV DATA.

REMARKS: REMOVED FIX COORDINATES REMARK.

FIX USE: REMOVED WHAEL STAR AT ALL AIRPORTS. ADDED PIEGY (RNAV) STAR AT K6R3, KT78, KCXO AND KDWH.

REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER LOW.

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ORGANIZATION:

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DATE: 12/29/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

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# RADIO FIX AND HOLDING DATA RECORD

NAME: FFSSH

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 293940.97N/0964759.82W

TYPE: WP

AIRSPACE DOCKET: 22-ASW-1

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

| USE TYPE | USE TITLE    | FAC | PAT | AIRPORT IDENT | CITY      | STATE   |
|----------|--------------|-----|-----|---------------|-----------|---------|
| EN ROUTE | Q24          |     |     |               |           | (US)    |
| EN ROUTE | Q56          |     |     |               |           | (US)    |
| EN ROUTE | T256         |     |     |               |           | (US)    |
| EN ROUTE | T466         |     |     |               |           | (US)    |
| STAR     | PIEGY (RNAV) |     |     | 6R3           | CLEVELAND | TX (US) |
| STAR     | PIEGY (RNAV) |     |     | KCXO          | HOUSTON   | TX (US) |
| STAR     | PIEGY (RNAV) |     |     | KDWH          | HOUSTON   | TX (US) |
| STAR     | PIEGY (RNAV) |     |     | T78           | LIBERTY   | TX (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/29/2022

## REASON FOR REVISION:

TYPE: REMOVED INT AND DME.

AIRSPACE DOCKET: CHANGED 18-ASW-1 TO 22-ASW-1.

FIX MAKE-UP FACILITIES: REMOVED FAC 1 (ELA) AND FAC 2 (IDU) - FIX HAS NO GROUND BASED NAVAID USAGE.

REMARKS: REMOVED FIX COORDINATES REMARK.

FIX USE: REMOVED V198 AND V556. ADDED T466. REMOVE WHAEL STAR AND ADDED PIEGY (RNAV) STAR AT KCXO, 6R3, KDWH AND T78.

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NAME: BARRY SMITH

APPROVED BY:

DATE: 12/29/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:



# RADIO FIX AND HOLDING DATA RECORD

NAME: WHAEL

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 293944.14N/0963017.06W

TYPE: WP

AIRSPACE DOCKET: 22-ASW-1

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

| USE TYPE | USE TITLE    | FAC | PAT | AIRPORT IDENT | CITY      | STATE   |
|----------|--------------|-----|-----|---------------|-----------|---------|
| EN ROUTE | Q24          |     |     |               |           | (US)    |
| EN ROUTE | Q56          |     |     |               |           | (US)    |
| EN ROUTE | T256         |     |     |               |           | (US)    |
| EN ROUTE | T466         |     |     |               |           | (US)    |
| STAR     | PIEGY (RNAV) |     |     | 6R3           | CLEVELAND | TX (US) |
| STAR     | PIEGY (RNAV) |     |     | KCXO          | HOUSTON   | TX (US) |
| STAR     | PIEGY (RNAV) |     |     | KDWH          | HOUSTON   | TX (US) |
| STAR     | PIEGY (RNAV) |     |     | T78           | LIBERTY   | TX (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 12/29/2022

## REASON FOR REVISION:

TYPE: REMOVED INT AND DME.

AIRSPACE DOCKET: CHANGED 18-ASW-1 TO 22-ASW-1.

FIX MAKE-UP FACILITIES: REMOVED FAC 1 (ELA) AND FAC 2 (TNV) - FIX HAS NO GROUND BASED NAVAID USAGE.

ESV: REMOVED TNV VOR/DME ESV DATA.

REMARKS: REMOVED FIX COORDINATES REMARK.

FIX USE: ADDED T466. REMOVED V198 AND V556. REMOVED WHAEL STAR AND ADDED PIEGY (RNAV) STAR AT KCXO, 6R3, KDWH AND T78.

INITIATED BY:

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APPROVED BY:

DATE: 12/29/2022

OFFICE: AJV-A420

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