

# RADIO FIX AND HOLDING DATA RECORD

NAME: BIEST

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 312447.24N/0981601.61W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LIKES (RNAV)			KLUD	DECATUR	TX (US)
STAR	LIKES (RNAV)			KDTO	DENTON	TX (US)
STAR	LIKES (RNAV)			50F	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KAFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KFTW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KNFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KWEA	WEATHERFORD	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 10/02/2025

## REASON FOR REVISION:

CHANGED CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH IN REQUIRED CHARTING.  
ADDED EN ROUTE LOW AND EN ROUTE HIGH TO REQUIRED CHARTING.  
REMOVED REMARK REQUEST CHARTING ON THE HIGH ALTITUDE CONTROLLER CHART.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A420

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

May 23, 2025



# RADIO FIX AND HOLDING DATA RECORD

NAME: BRRUS

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 322635.64N/0980233.60W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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	W		WP	259.78	079.78	R	10	10000 19000	15 18

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPD	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-010157)	321623.11N/0980124.34W	2522	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
HOLDING PATTERNS EVALUATED FOR 10 NM LEG LENGTH AT ATC REQUEST.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LIKES (RNAV)		1	KLUD	DECATUR	TX (US)
STAR	LIKES (RNAV)		1	KDTP	DENTON	TX (US)
STAR	LIKES (RNAV)		1	50F	FORT WORTH	TX (US)
STAR	LIKES (RNAV)		1	KAFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)		1	KFTW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)		1	KNFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)		1	KWEA	WEATHERFORD	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/02/2025

## REASON FOR REVISION:

CONTROLLING OBS COORDINATES ELEVATION AND ACCURACY CODE CHANGED FROM TOWER (48-010157) 321623.01N/0980124.29W 2510 5D TO TOWER (48-010157) 321623.11N/0980124.34W 2522 2C.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A420

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
May 23, 2025

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: FOSSL

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 321419.27N/0975259.37W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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	205.45	025.45	R	10	6000 20000	15 18

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-010157)	321623.11N/0980124.34W	2522	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
HOLDING PATTERN 1 USED MIN TEMPLATE 15 FOR 10 NM LEGS AT ATC REQUEST.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LIKES (RNAV)		1	KLUD	DECATUR	TX (US)
STAR	LIKES (RNAV)		1	KDTO	DENTON	TX (US)
STAR	LIKES (RNAV)		1	50F	FORT WORTH	TX (US)
STAR	LIKES (RNAV)		1	KAFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)		1	KFTW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)		1	KNFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)		1	KWEA	WEATHERFORD	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: 10/02/2025

## REASON FOR REVISION:

PAT 1 AIRSPEED CHANGED FROM 230 TO 200.  
CONTROLLING OBS COORDINATES ELEVATION AND ACCURACY CODE CHANGED FROM TOWER (48-010157) 321623.01N/0980124.29W 2510 5D TO TOWER (48-010157) 321623.11N/0980124.34W 2522 2C.  
ADDED EN ROUTE LOW/HIGH AND CONTROLLER LOW/HIGH TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A420

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by  
**ROBERT G HAMILTON**  
May 23, 2025

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: HOVAS

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 314447.09N/0985715.67W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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	240.00	060.00	R	10	10000 30000	15 23
2	SW		WP	239.00	059.00	R	10	10000 30000	15 23
3	SW		WP	241.00	061.00	R	10	10000 30000	15 23

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-004000)	314346.00N/0990113.00W	2100	5D
2	230	TOWER (48-004000)	314346.00N/0990113.00W	2100	5D
3	230	TOWER (48-004000)	314346.00N/0990113.00W	2100	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
HOLDING PATTERNS EVALUATED FOR 10 NM LEG LENGTH AT ATC REQUEST.  
ALL HOLDING PATTERNS SHARE THE SAME TRUE GROUND TRACK 064.00

## FIX USE: USE TYPE

USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
RNAV (GPS) RWY 35			KBWD	BROWNWOOD	TX (US)
STAR		2	KGKY	ARLINGTON	TX (US)
STAR		2	KCPD	CLEBURNE	TX (US)
STAR		2	KADS	DALLAS	TX (US)
STAR		3	KDAL	DALLAS	TX (US)
STAR		3	KDAL	DALLAS	TX (US)
STAR		2	KDAL	DALLAS	TX (US)
STAR		2	KRBD	DALLAS	TX (US)
STAR		2	KTKI	DALLAS	TX (US)
STAR		1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR		1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR		1	KLUD	DECATUR	TX (US)
STAR		1	KDTP	DENTON	TX (US)
STAR		2	F41	ENNIS	TX (US)
STAR		1	50F	FORT WORTH	TX (US)
STAR		1	KAFW	FORT WORTH	TX (US)
STAR		1	KFTW	FORT WORTH	TX (US)
STAR		2	KFWF	FORT WORTH	TX (US)
STAR		1	KNFW	FORT WORTH	TX (US)
STAR		2	KGPM	GRAND PRAIRIE	TX (US)
STAR		2	KLNC	LANCASTER	TX (US)
STAR		2	KHQZ	MESQUITE	TX (US)
STAR		2	KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR		2	F46	ROCKWALL	TX (US)
STAR		1	KWEA	WEATHERFORD	TX (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 10/02/2025

## REASON FOR REVISION:

HOLDING PAT 1-3 AIRSPEED CHANGED FROM 265 TO 230.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 08/28/2025

OFFICE: AVJ-A420

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by  
**ROBERT G HAMILTON**  
May 23, 2025

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: HRLIP

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 313251.21N/0982033.79W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LIKES (RNAV)			KLUD	DECATUR	TX (US)
STAR	LIKES (RNAV)			KDTO	DENTON	TX (US)
STAR	LIKES (RNAV)			50F	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KAFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KFTW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KNFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KWEA	WEATHERFORD	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/02/2025

## REASON FOR REVISION:

CHANGED CONTROLLER TO CONTROLLER HIGH IN REQUIRED CHARTING.  
REMOVED REMARK REQUEST CHARTING ON THE HIGH ALTITUDE CONTROLLER CHART.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A420

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

May 23, 2025



# RADIO FIX AND HOLDING DATA RECORD

NAME: LYMPY

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 322137.86N/0985827.28W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LIKES (RNAV)			KLUD	DECATUR	TX (US)
STAR	LIKES (RNAV)			KDTO	DENTON	TX (US)
STAR	LIKES (RNAV)			50F	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KAFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KFTW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KNFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KWEA	WEATHERFORD	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/02/2025

## REASON FOR REVISION:

CHANGED CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A420

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

May 23, 2025

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: PHILS STATE: TX COUNTRY: US ICAO REGION CODE: K4  
 LATITUDE/LONGITUDE: 321124.51N/1001817.88W TYPE: WP, INT, DME

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	MRA	MAA
1	TUSCOLA	TQA	VOR/DME	L	253.86	263.86	25.00	25.00	18000	41000
2	SAN ANGELO	SJT	VORTAC	H	358.89	008.89		49.41	18000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TQA	VOR/DME	R-254	25	18000	41000

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	W		WP	260.00	080.00	R		10	10000 30000	15 23
2	W		WP	259.00	079.00	R		10	10000 30000	15 23
3	W		WP	261.00	081.00	R		10	10000 30000	15 23

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	WINDMILL (48-174596)	321357.27N/1002537.44W	3183	4D
2	230	WINDMILL (48-174596)	321357.27N/1002537.44W	3183	4D
3	230	WINDMILL (48-174596)	321357.27N/1002537.44W	3183	4D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

TUSCOLA (FAC 1) AND SAN ANGELO (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 WP HOLDING PATTERNS EVALUATED FOR 10 NM LEG LENGTH AT ATC REQUEST.  
 PATTERNS 2-4 SHARE THE SAME TRUE GROUND TRACK; 084.00.  
 FIX TO REMAIN ON ENROUTE HIGH CHART.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SWVAY (RNAV)		2	KGKY	ARLINGTON	TX (US)
STAR	SWVAY (RNAV)		2	KCPT	CLEBURNE	TX (US)
STAR	SWVAY (RNAV)		2	KADS	DALLAS	TX (US)
STAR	BACHR (RNAV)		3	KDAL	DALLAS	TX (US)
STAR	DRYYE (RNAV)		3	KDAL	DALLAS	TX (US)
STAR	SWVAY (RNAV)		2	KDAL	DALLAS	TX (US)
STAR	SWVAY (RNAV)		2	KRBD	DALLAS	TX (US)
STAR	SWVAY (RNAV)		2	KTKI	DALLAS	TX (US)
STAR	BOOVE (RNAV)		1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	SOCKK (RNAV)		1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	LIKES (RNAV)		1	KLUD	DECATUR	TX (US)
STAR	LIKES (RNAV)		1	KDTO	DENTON	TX (US)
STAR	SWVAY (RNAV)		2	F41	ENNIS	TX (US)
STAR	LIKES (RNAV)		1	50F	FORT WORTH	TX (US)
STAR	LIKES (RNAV)		1	KAFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)		1	KFTW	FORT WORTH	TX (US)
STAR	SWVAY (RNAV)		2	KFWS	FORT WORTH	TX (US)
STAR	LIKES (RNAV)		1	KNFW	FORT WORTH	TX (US)
STAR	SWVAY (RNAV)		2	KGPM	GRAND PRAIRIE	TX (US)
STAR	SWVAY (RNAV)		2	KLNC	LANCASTER	TX (US)
STAR	SWVAY (RNAV)		2	KHQZ	MESQUITE	TX (US)
STAR	SWVAY (RNAV)		2	KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR	SWVAY (RNAV)		2	F46	ROCKWALL	TX (US)
STAR	LIKES (RNAV)		1	KWEA	WEATHERFORD	TX (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 10/02/2025

## REASON FOR REVISION:

CHANGED PAT 1-3 CONTROLLING OBS FROM TOWER (48-003524) 320637.00N/1003925.00W 3109 2C TO WINDMILL (48-174596) 321357.27N/1002537.44W 3183 4D.  
 CHANGED PAT 1-3 AISPEED FROM 265 TO 230.



INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A433	NAME: GUY COPELAND
APPROVED BY:	DATE: 08/28/2025	OFFICE: AJV-A420	NAME: BEV L BORDY
	SIGNATURE:		<i>Digitally signed by</i> <b>ROBERT G HAMILTON</b> May 23, 2025





# RADIO FIX AND HOLDING DATA RECORD

NAME: SPPAD

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 312445.30N/0982549.20W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LIKES (RNAV)			KLUD	DECATUR	TX (US)
STAR	LIKES (RNAV)			KDTO	DENTON	TX (US)
STAR	LIKES (RNAV)			50F	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KAFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KFTW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KNFW	FORT WORTH	TX (US)
STAR	LIKES (RNAV)			KWEA	WEATHERFORD	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 10/02/2025

## REASON FOR REVISION:

CHANGED CONTROLLER TO CONTROLLER LOW/HIGH AND ADDED EN ROUTE LOW/HIGH TO REQUIRED CHARTING.  
REMOVED REMARK REQUEST CHARTING ON THE HIGH ALTITUDE CONTROLLER CHART.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A420

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
May 23, 2025

QUALITY  
14  
CHECKED