

# RADIO FIX AND HOLDING DATA RECORD

NAME: BRAUN

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 294846.18N/0980347.63W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 24-ASW-4

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	055.99	063.99	23.12	23.12	3100	17500
2	STONEWALL	STV	VORTAC	VH	117.00	125.00	40.94	40.94	5500	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
STV	VORTAC	R-117	41	5500	16100

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## 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	S		WP	159.89	339.89	R	4	3100 12000	5 10

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-001049)	294936.40N/0980700.00W	1728	2C
1	310	TOWER (48-001049)	294936.40N/0980700.00W	1728	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 35	KBAZ	NEW BRAUNFELS	TX (US)

## REMARKS:

SAN ANTONIO (FAC 1) AND STONEWALL (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 35		1	KBAZ	NEW BRAUNFELS	TX (US)
IAP	RNAV (GPS) RWY 32			KSSF	SAN ANTONIO	TX (US)
STAR	MARCS	1, 2		KSAT	SAN ANTONIO	TX (US)
STAR	MARCS	1, 2		KSKF	SAN ANTONIO	TX (US)
STAR	MARCS	1, 2		KSSF	SAN ANTONIO	TX (US)
STAR	MARCS	1, 2		KRND	UNIVERSAL CITY	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 24-ASW-4.  
FIX MAKE-UP FACILITIES: CHANGED FACS 1 (SAT) AND 2 (STV) CLASS FROM H TO VH.  
ESV: CHANGED STV VORTAC MAX ALTITUDE FROM 17500 TO 16100 - MAX ALTITUDE FOR DME COMPONENT.  
FIX RESTRICTIONS: REMOVED MRA V68 5500.  
FIX USE: REMOVED V68.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Sep 30, 2024



# RADIO FIX AND HOLDING DATA RECORD

NAME: CRISS

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 293931.25N/0982536.95W

TYPE: WP, DME

AIRSPACE DOCKET: 24-ASW-4

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	055.99	063.99	2.00	2.00		3100	17500

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MARCS	1		KSAT	SAN ANTONIO	TX (US)
STAR	MARCS	1		KSKF	SAN ANTONIO	TX (US)
STAR	MARCS	1		KSSF	SAN ANTONIO	TX (US)
STAR	MARCS	1		KRND	UNIVERSAL CITY	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 24-ASW-4.

FIX MAKE-UP FACILITIES: CHANGED FAC 1 (SAT) CLASS FROM H TO VH.

FIX USE: REMOVED V68. REMOVED BRAUN (RNAV) STAR AT KSAT, KSKF, KSSF AND KRND - STAR WAS CANCELED 01-25-2024.

REQUIRED CHARTING: REMOVED IAP. REMOVED EN ROUTE AND CONTROLLER LOW - ATC REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Sep 30, 2024



# RADIO FIX AND HOLDING DATA RECORD

NAME: TROOP

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 294050.30N/0982231.21W

TYPE: WP, DME

AIRSPACE DOCKET: 24-ASW-4

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	055.99	063.99	5.00	5.00		3100	17500

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MARCS	1		KSAT	SAN ANTONIO	TX (US)
STAR	MARCS	1		KSKF	SAN ANTONIO	TX (US)
STAR	MARCS	1		KSSF	SAN ANTONIO	TX (US)
STAR	MARCS	1		KRND	UNIVERSAL CITY	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 24-ASW-4.

FIX MAKE-UP FACILITIES: CHANGED FAC 1 (SAT) CLASS FROM H TO VH.

FIX USE: REMOVED V68.

REQUIRED CHARTING: REMOVED EN ROUTE AND CONTROLLER LOW - ATC REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Sep 30, 2024

