

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** AGOVE

**STATE:** TX

**COUNTRY:** US

**ICAO REGION CODE:** K4

**LATITUDE/LONGITUDE:** 293212.31N/0983652.78W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** ESTABLISH

**HOLDING:**

**HOLDING TYPE OF ACTION:**

**FIX USE:**

**USE TYPE**  
STAR

**USE TITLE**  
CRVZA (RNAV)

**FAC**

**PAT**

**AIRPORT IDENT**  
KSAT

**CITY**  
SAN ANTONIO

**STATE**  
TX (US)

**REQUIRED CHARTING:** STAR

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG

**DATE OF REVISION:** 01/25/2024

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** WILLIAM MELTON

**APPROVED BY:**

**DATE:** 08/10/2023

**OFFICE:** AJV-A420

**NAME:** MARLON ROBINSON

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: AIROR

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 294540.87N/0981403.75W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NE		WP	036.97	216.97	R	5	6000	9000	6	10

## CONTROLLING OBSTRUCTIONS:

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

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
NAME CHANGED FROM ERROR TO AIROR

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 22			KSAT	SAN ANTONIO	TX (US)
IAP	RNAV (RNP) Z RWY 22			KSAT	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	DNKIN (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	POPPO (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	QERVO (RNAV)		1	KSAT	SAN ANTONIO	TX (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/27/2025

## REASON FOR REVISION:

1. CHANGED FIX NAME FROM ERROR TO AIROR.
2. UPDATED HOLDING PATTERN 1 CONTROLLING OBSTRUCTION FROM 1660 AAO TO 1728 TOWER (48-001049).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: AYALA

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 292905.99N/0983252.38W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE  
STAR

USE TITLE  
CRVZA (RNAV)

FAC

PAT

AIRPORT IDENT  
KSAT

CITY  
SAN ANTONIO

STATE  
TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/25/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: WILLIAM MELTON

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: BRENI

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 275413.90N/0972642.12W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SENA (RNAV)			KCVB	CASTROVILLE	TX (US)
DP	SENA (RNAV)			KBAZ	NEW BRAUNFELS	TX (US)
DP	SENA (RNAV)			KPEZ	PLEASANTON	TX (US)
DP	SENA (RNAV)			5C1	SAN ANTONIO	TX (US)
DP	SENA (RNAV)			KSAT	SAN ANTONIO	TX (US)
DP	SENA (RNAV)			KSKF	SAN ANTONIO	TX (US)
DP	SENA (RNAV)			KSSF	SAN ANTONIO	TX (US)
DP	SENA (RNAV)			KRND	UNIVERSAL CITY	TX (US)
STAR	CRVZA (RNAV)			KCVB	CASTROVILLE	TX (US)
STAR	CRVZA (RNAV)			KBAZ	NEW BRAUNFELS	TX (US)
STAR	CRVZA (RNAV)			KPEZ	PLEASANTON	TX (US)
STAR	CRVZA (RNAV)			5C1	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSAT	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSKF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSSF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KRND	UNIVERSAL CITY	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/25/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: WILLIAM MELTON

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: BUGGI

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 282512.26N/0981612.16W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CRVZA (RNAV)			KCVB	CASTROVILLE	TX (US)
STAR	CRVZA (RNAV)			KBAZ	NEW BRAUNFELS	TX (US)
STAR	CRVZA (RNAV)			KPEZ	PLEASANTON	TX (US)
STAR	CRVZA (RNAV)			5C1	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSAT	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSKF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSSF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KRND	UNIVERSAL CITY	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/25/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: WILLIAM MELTON

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CEGAR

**STATE:** TX

**COUNTRY:** US

**ICAO REGION CODE:** K4

**LATITUDE/LONGITUDE:** 290601.52N/0983239.96W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** ESTABLISH

**HOLDING:**

**HOLDING TYPE OF ACTION:**

**FIX USE:**

**USE TYPE**  
STAR

**USE TITLE**  
CRVZA (RNAV)

**FAC**

**PAT**

**AIRPORT IDENT**  
KSAT

**CITY**  
SAN ANTONIO

**STATE**  
TX (US)

**REQUIRED CHARTING:** STAR

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG

**DATE OF REVISION:** 01/25/2024

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** WILLIAM MELTON

**APPROVED BY:**

**DATE:** 08/10/2023

**OFFICE:** AJV-A420

**NAME:** MARLON ROBINSON

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: CRVZA

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 285114.30N/0983250.91W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CRVZA (RNAV)			KCVB	CASTROVILLE	TX (US)
STAR	CRVZA (RNAV)			KBAZ	NEW BRAUNFELS	TX (US)
STAR	CRVZA (RNAV)			KPEZ	PLEASANTON	TX (US)
STAR	CRVZA (RNAV)			5C1	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSAT	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSKF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSSF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KRND	UNIVERSAL CITY	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/25/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: WILLIAM MELTON

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: EELIZ

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 281136.75N/0975421.73W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

## 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	SE		WP	121.20	301.20	L	10	11000 24000	15 20

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	WINDMILL (48-158186)	280844.86N/0974846.49W	683	4D

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CRVZA (RNAV)		1	KCVB	CASTROVILLE	TX (US)
STAR	CRVZA (RNAV)		1	KBAZ	NEW BRAUNFELS	TX (US)
STAR	CRVZA (RNAV)		1	KPEZ	PLEASANTON	TX (US)
STAR	CRVZA (RNAV)		1	5C1	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)		1	KSKF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)		1	KSSF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)		1	KRND	UNIVERSAL CITY	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/25/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: WILLIAM MELTON

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:



# RADIO FIX AND HOLDING DATA RECORD

NAME: GYTON

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 281212.44N/0990251.26W

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	DXXXX (RNAV)			KAUS	AUSTIN	TX (US)
STAR	CRVZA (RNAV)			KCVB	CASTROVILLE	TX (US)
STAR	CRVZA (RNAV)			KBAZ	NEW BRAUNFELS	TX (US)
STAR	CRVZA (RNAV)			KPEZ	PLEASANTON	TX (US)
STAR	CRVZA (RNAV)			5C1	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSAT	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSKF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSSF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KRND	UNIVERSAL CITY	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/25/2024

## REASON FOR REVISION:

1. ADDED CRVZA (RNAV) STAR TO KSAT, KRND, KSKF, KSSF, KBAK, KPEK, 5C1, AND KCVB FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: WILLIAM MELTON

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: HARDD

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 292122.05N/0983803.63W

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	FEET	MRA	MAA
1	SAN ANTONIO	I-SAT	LOC/DME		216.78	220.78	14.77	14.77		3500	5200
2	STINSON	SSF	VOR	L	297.34	300.34		11.60		3500	5200

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	SW		WP	216.67	036.67	R		5	5000	8000	6	9

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-007753)	291439.85N/0984428.08W	1211	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

SAN ANTONIO (FAC 1) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ILS DME COORDINATES: 293232.95N/0982658.69W.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 4	1, 2		KSAT	SAN ANTONIO	TX (US)
IAP	RNAV (GPS) Y RWY 4			KSAT	SAN ANTONIO	TX (US)
IAP	RNAV (RNP) Z RWY 4			KSAT	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	DNKIN (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	POPO (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	QERVO (RNAV)		1	KSAT	SAN ANTONIO	TX (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 08/07/2025

## REASON FOR REVISION:

FIX MAKE-UP: FAC 2 STINSON (SSF) VOR MAG BRG CHANGED FROM "291.34" TO "297.34".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: TRAVIS BRISTOW

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: KEENM

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 292614.79N/0982908.07W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

**FIX USE:**

**USE TYPE**

STAR  
STAR  
STAR

**USE TITLE**

CRVZA (RNAV)  
DNKIN (RNAV)  
POPPO (RNAV)

**FAC**

**PAT**

**AIRPORT IDENT**

KSAT  
KSAT  
KSAT

**CITY**

SAN ANTONIO  
SAN ANTONIO  
SAN ANTONIO

**STATE**

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

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/25/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PATRICK COMBS

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** KRILN

**STATE:** TX

**COUNTRY:** US

**ICAO REGION CODE:** K4

**LATITUDE/LONGITUDE:** 292156.76N/0982335.73W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** ESTABLISH

**HOLDING:**

**HOLDING TYPE OF ACTION:**

**FIX USE:**

**USE TYPE**  
STAR

**USE TITLE**  
CRVZA (RNAV)

**FAC**

**PAT**

**AIRPORT IDENT**  
KSAT

**CITY**  
SAN ANTONIO

**STATE**  
TX (US)

**REQUIRED CHARTING:** STAR

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG

**DATE OF REVISION:** 01/25/2024

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** WILLIAM MELTON

**APPROVED BY:**

**DATE:** 08/10/2023

**OFFICE:** AJV-A420

**NAME:** MARLON ROBINSON

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: LLISA

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 290805.53N/0983237.43W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

### USE TYPE

### USE TITLE

### FAC

### PAT

### AIRPORT IDENT

### CITY

### STATE

STAR	CRVZA (RNAV)			KCVB	CASTROVILLE	TX (US)
STAR	CRVZA (RNAV)			KBAZ	NEW BRAUNFELS	TX (US)
STAR	CRVZA (RNAV)			KPEZ	PLEASANTON	TX (US)
STAR	CRVZA (RNAV)			5C1	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSKF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSSF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KRND	UNIVERSAL CITY	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/25/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: WILLIAM MELTON

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: PECOZ

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 284025.35N/0984112.56W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CRVZA (RNAV)			KCVB	CASTROVILLE	TX (US)
STAR	CRVZA (RNAV)			KBAZ	NEW BRAUNFELS	TX (US)
STAR	CRVZA (RNAV)			KPEZ	PLEASANTON	TX (US)
STAR	CRVZA (RNAV)			5C1	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSAT	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSKF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KSSF	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)			KRND	UNIVERSAL CITY	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/25/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: WILLIAM MELTON

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: RBNSN

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 294355.67N/0984349.16W

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	FEET	MRA	MAA
1	SAN ANTONIO	I-ANT	LOC/DME		307.60	311.60	18.66	18.66		5000	6000
2	STONEWALL	STV	VORTAC	VH	174.59	182.59	28.44	28.44		5000	45000
3	SAN ANTONIO	SAT	VORTAC	VH	282.63	290.63		15.01		5000	45000
4	CENTER POINT	CSI	VORTAC	VH	106.14	114.14	27.71	27.71		6000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-ANT	LOC/DME	R-308	19	5000	6000

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	NW		WP	307.60	127.60	R	5	6000 9000	6 10

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-005697)	295027.00N/0984933.00W	3048	5E

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

SAN ANTONIO (FAC 1) AND STONEWALL (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
ILS DME COORDINATES: 293129.09N/0982749.96W.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 13R	1		KSAT	SAN ANTONIO	TX (US)
IAP	ILS RWY 13R (CAT II)	1		KSAT	SAN ANTONIO	TX (US)
IAP	RNAV (GPS) Y RWY 13R			KSAT	SAN ANTONIO	TX (US)
IAP	RNAV (RNP) Z RWY 13R			KSAT	SAN ANTONIO	TX (US)
STAR	CENTERPOINT	1, 2, 3, 4		KSAT	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	DNKIN (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	POPPO (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	QERVO (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	STONEWALL	1, 2, 3		KSAT	SAN ANTONIO	TX (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 08/07/2025

## REASON FOR REVISION:

ADDED FAC 4 CSI VORTAC TO FIX MAKE-UP FACILITIES.  
ADDED STAR CENTERPOINT FOR KSAT AIRPORT IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A432

NAME: JOSEPH ZEDER

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: SARAI

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 293543.87N/0984125.76W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

### USE TYPE

IAP  
IAP  
IAP  
STAR

### USE TITLE

ILS OR LOC RWY 13R  
ILS RWY 13R (CAT II)  
RNAV (GPS) Y RWY 13R  
CRVZA (RNAV)

### FAC

### PAT

### AIRPORT IDENT

KSAT  
KSAT  
KSAT  
KSAT

### CITY

SAN ANTONIO  
SAN ANTONIO  
SAN ANTONIO  
SAN ANTONIO

### STATE

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

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/25/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: WILLIAM MELTON

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:



# RADIO FIX AND HOLDING DATA RECORD

**NAME:** SAYNN

**STATE:** TX

**COUNTRY:** US

**ICAO REGION CODE:** K4

**LATITUDE/LONGITUDE:** 292227.15N/0983326.93W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** ESTABLISH

**HOLDING:**

**HOLDING TYPE OF ACTION:**

**FIX USE:**

**USE TYPE**  
STAR

**USE TITLE**  
CRVZA (RNAV)

**FAC**

**PAT**

**AIRPORT IDENT**  
KSAT

**CITY**  
SAN ANTONIO

**STATE**  
TX (US)

**REQUIRED CHARTING:** STAR

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG

**DATE OF REVISION:** 01/25/2024

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** WILLIAM MELTON

**APPROVED BY:**

**DATE:** 08/10/2023

**OFFICE:** AJV-A420

**NAME:** MARLON ROBINSON

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: SLOW

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 292608.28N/0982052.13W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	SAN ANTONIO	I-IZR	LOC/DME		127.61	131.61	8.09	9.88		2700	5300

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

## 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	SE		WP	127.61	307.61	R	5	4000 7000	5 9

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-007712)	291739.00N/0981532.00W	2043	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

DME COORDINATES: 293129.09N/0982749.96  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 31L	1		KSAT	SAN ANTONIO	TX (US)
IAP	RNAV (GPS) Y RWY 31L			KSAT	SAN ANTONIO	TX (US)
IAP	RNAV (RNP) Z RWY 31L			KSAT	SAN ANTONIO	TX (US)
STAR	CRVZA (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	DNKIN (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	POPPA (RNAV)		1	KSAT	SAN ANTONIO	TX (US)
STAR	QERVO (RNAV)		1	KSAT	SAN ANTONIO	TX (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/25/2024

## REASON FOR REVISION:

8/16/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/17/2023.  
1. FIX MAKE-UP: UPDATED MAA FROM 4500 TO 5200.

8/29/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/17/2023.  
1. FIX MAKE-UP: UPDATED MAA FROM 5200 TO 5300.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PATRICK COMBS

APPROVED BY:

DATE: 01/25/2024

OFFICE: AJV-A423

NAME: MICHAEL GARRITY

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: TIERA

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 292415.63N/0982814.48W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE  
STAR

USE TITLE  
CRVZA (RNAV)

FAC

PAT

AIRPORT IDENT  
KSAT

CITY  
SAN ANTONIO

STATE  
TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/25/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: WILLIAM MELTON

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: TYRYN

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 293552.28N/0981647.25W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

IAP

STAR

USE TITLE

RNAV (GPS) Y RWY 22

CRVZA (RNAV)

FAC

PAT

AIRPORT IDENT

KSAT

KSAT

CITY

SAN ANTONIO

SAN ANTONIO

STATE

TX (US)

TX (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/25/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: WILLIAM MELTON

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: