

RADIO FIX AND HOLDING DATA RECORD

NAME: BENEY

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 295019.76N/0985926.02W

TYPE: 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	FAC FEET	MRA	MAA
1	SAN ANTONIO	SAT	VORTAC	H	285.00	293.00	30.00	30.00		4100	17500
2	STONEWALL	STV	VORTAC	VH	206.04	214.04		26.55		4100	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SAN ANTONIO (FAC 1) AND STONEWALL (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V68	1, 2				

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

CHANGED FAC 2 STV VORTAC MAA FROM 17500 TO 45000 IN FIX MAKE-UP FACILITIES.
REMOVED STAR CENTERPOINT FOR KSAT FROM FIX USE.
REMOVED THE SPACE FOR "V68" USE TITLE.
REMOVED STAR FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A432

NAME: JOSEPH ZEDER

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JUNCTION VORTAC STATE: TX COUNTRY: US ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 303552.88N/0994902.93W TYPE:

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	MRA	MAA
							NM	FEET		
1	JUNCTION	JCT	VORTAC	H						45000

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	TEMPLATES
									MIN	MAX
1	NW	JCT	VORTAC	324.37	144.37	R	1		4000	8000
2	W	JCT	VORTAC	290.00	110.00	L	1 1/2		18000	45000

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-000063)	304210.00N/0995456.00W	2623	4D
2	265	AAO	303948.00N/1000439.00W	2661	4B

REASON FOR NONSTANDARD HOLDING: PAT 2 ATC REQUEST

HOLDING RESTRICTIONS: HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED. ASSIGNED FACILITY MAGVAR: 8E (1980).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BORRN (RNAV)			T00	ANAHUAC	TX (US)
DP	BORRN (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	AUSTIN			KAUS	AUSTIN	TX (US)
DP	BORRN (RNAV)			54T	BAYTOWN	TX (US)
DP	BORRN (RNAV)			KHPY	BAYTOWN	TX (US)
DP	BORRN (RNAV)			6R3	CLEVELAND	TX (US)
DP	BORRN (RNAV)			KGLS	GALVESTON	TX (US)
DP	BORRN (RNAV)			KAXH	HOUSTON	TX (US)
DP	BORRN (RNAV)			KCXO	HOUSTON	TX (US)
DP	JUNCTION			KCXO	HOUSTON	TX (US)
DP	BORRN (RNAV)			KDWH	HOUSTON	TX (US)
DP	JUNCTION			KDWH	HOUSTON	TX (US)
DP	BORRN (RNAV)			KEFD	HOUSTON	TX (US)
DP	RETYR (RNAV)			KHOU	HOUSTON	TX (US)
DP	JUNCTION			KIAH	HOUSTON	TX (US)
DP	BORRN (RNAV)			KIWS	HOUSTON	TX (US)
DP	BORRN (RNAV)			KLJV	HOUSTON	TX (US)
DP	BORRN (RNAV)			KSGR	HOUSTON	TX (US)
DP	BORRN (RNAV)			KTME	HOUSTON	TX (US)
DP	BORRN (RNAV)			T41	LA PORTE	TX (US)
DP	BORRN (RNAV)			T78	LIBERTY	TX (US)
EN ROUTE	J15					(US)
EN ROUTE	J2					(US)
EN ROUTE	J86					(US)
EN ROUTE	Q20					(US)
EN ROUTE	T466					(US)
EN ROUTE	V198					(US)
EN ROUTE	V222					(US)
EN ROUTE	V306					(US)
EN ROUTE	V556					(US)
EN ROUTE	V68					(US)
IAP	RNAV (GPS) RWY 17			KJCT	JUNCTION	TX (US)
IAP	VOR-A		1	KJCT	JUNCTION	TX (US)
IAP	RNAV (GPS) RWY 14			KECU	ROCKSPRINGS	TX (US)
IAP	VOR RWY 14			KECU	ROCKSPRINGS	TX (US)
STAR	CENTERPOINT		2	KSAT	SAN ANTONIO	TX (US)
STAR	STONEWALL			KSAT	SAN ANTONIO	TX (US)
STAR	CENTERPOINT		2	KSKF	SAN ANTONIO	TX (US)
STAR	STONEWALL			KSKF	SAN ANTONIO	TX (US)
STAR	CENTERPOINT		2	KSSF	SAN ANTONIO	TX (US)
STAR	STONEWALL			KSSF	SAN ANTONIO	TX (US)
STAR	CENTERPOINT		2	KRND	UNIVERSAL CITY	TX (US)
STAR	STONEWALL			KRND	UNIVERSAL CITY	TX (US)

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



COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

REMOVED LEG LENGTH DME 10 AND ADDED TIME 1 1/2 TO PAT 2 IN HOLDING PATTERNS.
 CHANGED PAT 2 CONTROLLING OBSTACLE ELEVATION FROM 2461 TO 2661 IN CONTROLLING OBSTRUCTIONS.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: SILVIA YOUNG
APPROVED BY:	DATE: 07/03/2025	OFFICE: AJV-A432	NAME: CASIMIR TABAKA
	SIGNATURE:		



RADIO FIX AND HOLDING DATA RECORD

NAME: LLITE **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 295007.16N/0985931.85W **TYPE:** INT, 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	FAC FEET	MRA	MAA
1	CENTER POINT	CSI	VORTAC	VH	098.14	106.14	12.71	12.71		10000	45000
2	SAN ANTONIO	SAT	VORTAC	VH	284.57	292.57	30.00	30.00		10000	45000
3	STONEWALL	STV	VORTAC	VH	205.94	213.94		26.77		10000	45000

HOLDING: **HOLDING TYPE OF ACTION:**

REMARKS:
CENTER POINT (FAC 1) AND STONEWALL (FAC 3) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CENTERPOINT	1, 2, 3		KSAT	SAN ANTONIO	TX (US)
STAR	CENTERPOINT	1, 2, 3		KSKF	SAN ANTONIO	TX (US)
STAR	CENTERPOINT	1, 2, 3		KSSF	SAN ANTONIO	TX (US)
STAR	CENTERPOINT	1, 2, 3		KRND	UNIVERSAL CITY	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 08/07/2025

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** SILVIA YOUNG

APPROVED BY: **DATE:** 05/08/2025 **OFFICE:** AJV-A432 **NAME:** JOSEPH ZEDER

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: MEDIN **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 294824.91N/0985401.09W **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	FEET	MRA	MAA
1	SAN ANTONIO	SAT	VORTAC	H	285.14	293.14	24.92	24.92		4100	17500
2	STONEWALL	STV	VORTAC	VH	195.00	203.00		25.99		4100	17500

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	SAT	VORTAC	285.14	105.14	L	1		4100	17500	6	17
2	W		WP	285.14	105.14	L		5	4100	8000	6	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-005697)	295027.00N/0984933.00W	3048	5E
2	200	TOWER (48-005697)	295027.00N/0984933.00W	3048	5E

REASON FOR NONSTANDARD HOLDING:
 PAT 1 ATC REQUEST
 PAT 2 ATC REQUEST TO AVOID RANDOLPH MOA.

HOLDING RESTRICTIONS:
 HOLDING LIMITED TO ESTABLISHED PATTERNS.

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 (US)
EN ROUTE	V68	1, 2				(US)
IAP	RNAV (GPS) RWY 17		2	5C1	SAN ANTONIO	TX (US)
IAP	RNAV (GPS) RWY 35		2	5C1	SAN ANTONIO	TX (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 08/07/2025

REASON FOR REVISION:
 CHANGED PAT 1 LEG LENGTH TIME FROM 1-1 1/2 TO 1 IN HOLDING PATTERNS.
 REMOVED STAR CENTERPOINT FOR KSAT FROM FIX USE.
 CHANGED FROM CONTROLLER TO CONTROLLER LOW AND REMOVED STAR IN REQUIRED CHARTING.

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: 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	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	HOLDING ALTITUDES DME	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: 05/08/2025 OFFICE: AJV-A432 NAME: JOSEPH ZEDER

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: REUBE **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 294517.74N/0984535.67W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

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 MIN	ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NW		WP	296.77	116.77	R	4	4200	6000	5 6

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:

ATC REQUEST EN ROUTE LOW CHARTING.
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		1	KSAT	SAN ANTONIO	TX (US)
IAP	RNAV (RNP) Z RWY 31L		1	KSAT	SAN ANTONIO	TX (US)
IAP	RNAV (GPS) RWY 16			KSKF	SAN ANTONIO	TX (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 08/07/2025

REASON FOR REVISION:

REMOVED INT AND DME FROM FIX TYPE.
REMOVED FAC 1 CSI VORTAC, FAC 2 STV VORTAC, FAC 3 SAT VORTAC AND FAC 4 I-ANT LOC/DME FROM FIX MAKE-UP FACILITIES AND ASSOCIATED ESV AND NOTES.
REMOVED "ILS DME COORDINATES: 293129.09N/0982749.96W" FROM REMARKS.
REMOVED STAR CENTERPOINT FOR KSAT, KSKF, KSSF AND KRND AIRPORTS IN FIX USE.
REMOVED STAR FROM REQUIRED CHARTING.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** SILVIA YOUNG

APPROVED BY: **DATE:** 05/08/2025 **OFFICE:** AJV-A432 **NAME:** JOSEPH ZEDER

SIGNATURE:



