

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	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: 08/07/2025

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: 07/03/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: LEMIG

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 285837.91N/0983003.52W

TYPE: WP, DME

AIRSPACE DOCKET: 24-ASW-13

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	COTULLA	COT	VORTAC	VL	037.43	046.43	44.85	44.85	2500	17500
2	SAN ANTONIO	SAT	VORTAC	H	174.99	182.99	39.96	39.96	3000	17500
3	LAREDO	LRD	VORTAC	VH	019.23	028.23	101.98	101.98	10000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
COT	VORTAC	R-037	45	2500	15100
LRD	VORTAC	R-019	102	10000	18000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	S	SAT	VORTAC	174.99	354.99	R	10	10000 14000	14 14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-010040)	285700.00N/0983706.00W	990	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

COTULLA (FAC 1) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T499					(US)
EN ROUTE	V550	1, 2				(US)
IAP	RNAV (GPS) RWY 14			0XA5	CAMPBELLTON	TX (US)
IAP	RNAV (GPS) RWY 32			KSSF	SAN ANTONIO	TX (US)
STAR	LEMIG	1, 2, 3	1	KSAT	SAN ANTONIO	TX (US)
STAR	LEMIG	1, 2, 3	1	KSKF	SAN ANTONIO	TX (US)
STAR	LEMIG	1, 2, 3	1	KSSF	SAN ANTONIO	TX (US)
STAR	LEMIG	1, 2, 3	1	KRND	UNIVERSAL CITY	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

1. TYPE: REMOVED "INT".
2. AIRSPACE DOCKET: CHANGED 23-ASW-16 TO 24-ASW-13.
3. FIX MAKE-UP FACILITIES: REMOVED FAC 2 (THX), ADDED FAC 3 (LRD) - THX VOR MON, LEMIG STAR TRANSITION.
4. ESV: CHANGED COT VORTAC MAX ALTITUDE FROM 5600 TO 15100 - MAX ALTITUDE OF DME COMPONENT.
5. ESV: ADDED LRD VORTAC LRD R-019, 102, 10000, 18000 - ESTABLISHED FOR LEMIG STAR.
6. HOLDING: REMOVED PAT 1 200 KIAS CONTROLLING OBSTRUCTION DATA. CHANGED PAT 1 LEG LENGTH FROM 1 MIN TO 10 DME. CHANGED MIN HOLDING ALT TO "10000" AND MIN/MAX TEMPLATE FROM "6/12" TO "14/14".
7. REMARKS: ADDED COTULLA (FAC 1) USED TO ESTABLISH FIX COORDINATES.
8. FIX USE: REMOVED V161 AND V568. REMOVED FAC 3 FROM V550 AND KSAT LEMIG STAR. ADDED LEMIG STAR AT AIRPORTS KSKF, KSSF AND KRND.
9. REQUIRED CHARTING: REMOVED SPECIAL IAP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: ROBERT SWINSON

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SOMER

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 290944.75N/0983822.47W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 24-ASW-13

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	190.00	198.00	30.30	30.30		3000	17500
2	STINSON	SSF	VOR	L	237.90	240.90		11.79		3000	17500

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	320.89	140.89	R		4	3000	6000	5	6

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) AND STINSON (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BOWIE	1, 2		KSAT	SAN ANTONIO	TX (US)
DP	BOWIE	1, 2		KSSF	SAN ANTONIO	TX (US)
EN ROUTE	V17	1				(US)
IAP	RNAV (GPS) RWY 34			KCVB	CASTROVILLE	TX (US)
IAP	NDB RWY 35	1, 2		23R	DEVINE	TX (US)
IAP	RNAV (GPS) RWY 34		1	KPEZ	PLEASANTON	TX (US)
IAP	RNAV (GPS) RWY 32			KSSF	SAN ANTONIO	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 24-ASW-13.

FIX MAKE-UP FACILITIES: REMOVED FAC 1 (THX) - THX VOR MON. CHANGED NEW FAC 1 (SAT) CLASS FROM H TO VH. ADDED FAC 2 (SSF) - ATC REQUEST.

ESV: REMOVED THX VORTAC ESV DATA.

REMARKS: REPLACED THREE RIVERS WITH STINSON IN FIX COORDINATES REMARK.

FIX USE: REMOVED FAC 2 FROM V17 - FACILITY MONITORING STATUS DOES NOT MEET CRITERIA FOR AIRWAY MEA BREAK. REMOVED

V161. ADDED KSAT AND KSSF BOWIE DP.

REQUIRED CHARTING: ADDED DP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE: