

# RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 304344.68N/0963300.25W **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	COLLEGE STATION	CLL	VORTAC	L	310.00	318.00	10.00	10.00		4000	45000
2	LEONA	LOA	VORTAC	L	223.95	231.95		38.23		4000	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CLL	VORTAC	R-310	10	18000	45000
LOA	VORTAC	R-224	39	18000	45000

**HOLDING:** **HOLDING TYPE OF ACTION:** MODIFY

**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	CLL	VORTAC	310.00	130.00	R	15	4000	34000	22	26	
2	NW	WP	WP	314.93	134.93	R	20	6000	45000	25	30	
3	NW	WP	WP	314.93	134.93	R	15	10000	45000	28	30	

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-008192)	304416.00N/0965014.00W	1270	5D
2	280	TOWER (48-003981)	311625.00N/0971315.00W	2550	5D
3	230	TOWER (48-003981)	311625.00N/0971315.00W	2550	5D

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

COLLEGE STATION (FAC 1) AND LEONA (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 HOLDING PAT 3: EVALUATED FOR 15 NM LEGS, ATC REQUEST.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SNDAY (RNAV)		3	T00	ANAHUAC	TX (US)
STAR	KIDDZ (RNAV)		3	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	SNDAY (RNAV)		3	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	SNDAY (RNAV)		3	54T	BAYTOWN	TX (US)
STAR	SNDAY (RNAV)		3	KHPY	BAYTOWN	TX (US)
STAR	BAZBL (RNAV)		3	6R3	CLEVELAND	TX (US)
STAR	RIICE	1, 2	1	6R3	CLEVELAND	TX (US)
STAR	KIDDZ (RNAV)		3	KGLS	GALVESTON	TX (US)
STAR	SNDAY (RNAV)		3	KGLS	GALVESTON	TX (US)
STAR	SNDAY (RNAV)		3	KAXH	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		3	KCXO	HOUSTON	TX (US)
STAR	RIICE	1, 2	1	KCXO	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		3	KDWH	HOUSTON	TX (US)
STAR	RIICE	1, 2	1	KDWH	HOUSTON	TX (US)
STAR	KIDDZ (RNAV)		3	KEFD	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		3	KEFD	HOUSTON	TX (US)
STAR	KIDDZ (RNAV)		3	KHOU	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		3	KHOU	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		3	KIAH	HOUSTON	TX (US)
STAR	DRLLR (RNAV)		2	KIAH	HOUSTON	TX (US)
STAR	GUSHR (RNAV)		2	KIAH	HOUSTON	TX (US)
STAR	MSCOT (RNAV)		2	KIAH	HOUSTON	TX (US)
STAR	RIICE	1, 2	1	KIAH	HOUSTON	TX (US)
STAR	TTORO (RNAV)		2	KIAH	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		3	KIWS	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		3	KLVJ	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		3	KSGR	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		3	KTME	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		3	T41	LA PORTE	TX (US)
STAR	BAZBL (RNAV)		3	T78	LIBERTY	TX (US)
STAR	RIICE	1, 2	1	T78	LIBERTY	TX (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 11

**DATE OF REVISION:** 10/31/2024

**REASON FOR REVISION:**

REMOVED STAR BLUBL FOR T00, KLBX, 54T, KHPY, KGLS, KAXH, KEFD, KHOU, KIWS, KLVJ, KSGR, KTME AND T41 AIRPORTS FROM FIX USE.

REMOVED STAR SNIFY FOR KLBX, KGLS, KEFD AND KHOU AIRPORTS FROM FIX USE.

CHANGED HOLDING PAT 1 HOLDING ALTITUDES MAX FROM 40000 TO 34000 AND TEMPLATES MIN FROM 23 TO 22 AND MAX FROM 29 TO 26 IN HOLDING PATTERNS.

CHANGED PAT 1 280 AIRSPEED CONTROLLING OBSTACLE FROM "TOWER (48-008192)" TO "TOWER (48-003981)", COORDINATES FROM "304416.00N/0965014.00W" TO "311625.00N/0971315.00W" AND ELEVATION FROM 1270 TO 2550 IN CONTROLLING OBSTRUCTIONS.

ADDED HOLDING PAT 3 TO HOLDING PATTERNS AND ITS ASSOCIATED CONTROLLING OBSTACLE.

CHANGED FROM "HOLDING PAT 2: EVALUATED FOR 15 NM LEGS, ATC REQUEST" TO "HOLDING PAT 3: EVALUATED FOR 15 NM LEGS, ATC REQUEST" IN REMARKS.

CHANGED STAR KIDDZ (RNAV) PAT FROM 2 TO 3 IN FIX USE.

ADDED STAR SNDAY (RNAV) FOR T00, KLBX, 54T, KHPY, KGLS, KAXH, KEFD, KHOU, KIWS, KLVJ, KSGR, KTME AND T41 AIRPORTS TO FIX USE.

ADDED STAR KIDDZ (RNAV) FOR KLBX, KGLS AND KEFD AIRPORTS IN FIX USE.

ADDED STAR BAZBL (RNAV) FOR KIAH, 6R3, KCXO, KDWH AND T78 AIRPORTS IN FIX USE.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-A432	<b>NAME:</b> SILVIA YOUNG
<b>APPROVED BY:</b>	<b>DATE:</b> 10/31/2024	<b>OFFICE:</b> AJV-A432	<b>NAME:</b> CASIMIR TABAKA
	<b>SIGNATURE:</b>		

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** BEANE

**STATE:** TX

**COUNTRY:** US

**ICAO REGION CODE:** K4

**LATITUDE/LONGITUDE:** 303618.52N/0962514.77W

**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	SNDAY (RNAV)			T00	ANAHUAC	TX (US)
STAR	KIDDZ (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	SNDAY (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	SNDAY (RNAV)			54T	BAYTOWN	TX (US)
STAR	SNDAY (RNAV)			KHPY	BAYTOWN	TX (US)
STAR	BAZBL (RNAV)			6R3	CLEVELAND	TX (US)
STAR	KIDDZ (RNAV)			KGLS	GALVESTON	TX (US)
STAR	SNDAY (RNAV)			KGLS	GALVESTON	TX (US)
STAR	SNDAY (RNAV)			KAXH	HOUSTON	TX (US)
STAR	BAZBL (RNAV)			KCXO	HOUSTON	TX (US)
STAR	BAZBL (RNAV)			KDWH	HOUSTON	TX (US)
STAR	KIDDZ (RNAV)			KEFD	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KEFD	HOUSTON	TX (US)
STAR	KIDDZ (RNAV)			KHOU	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KHOU	HOUSTON	TX (US)
STAR	BAZBL (RNAV)			KIAH	HOUSTON	TX (US)
STAR	DRLLR (RNAV)			KIAH	HOUSTON	TX (US)
STAR	GUSHR (RNAV)			KIAH	HOUSTON	TX (US)
STAR	MSCOT (RNAV)			KIAH	HOUSTON	TX (US)
STAR	TTORO (RNAV)			KIAH	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KIWS	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KLVJ	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KSGR	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KTME	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			T41	LA PORTE	TX (US)
STAR	BAZBL (RNAV)			T78	LIBERTY	TX (US)

**REQUIRED CHARTING:** STAR

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1

**DATE OF REVISION:** 10/31/2024

**REASON FOR REVISION:**

ADDED STAR SNDAY (RNAV) FOR T00, KLBX, 54T, KHPY, KGLS, KAXH, KEFD, KHOU, KIWS, KLVJ, KSGR, KTME AND T41 AIRPORTS TO FIX USE.

ADDED STAR KIDDZ (RNAV) FOR KLBX, KGLS AND KEFD AIRPORTS IN FIX USE.

ADDED STAR BAZBL (RNAV) FOR KIAH, 6R3, KCXO, KDWH AND T78 AIRPORTS IN FIX USE.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** SILVIA YOUNG

**APPROVED BY:**

**DATE:** 10/31/2024

**OFFICE:** AJV-A432

**NAME:** CASIMIR TABAKA

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 314229.22N/0965016.05W **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	MAVERICK	TTT	VOR/DME	H	165.51	171.51	70.28	70.28		7000	45000
2	WACO	ACT	VORTAC	VH	073.79	082.79		22.25		7000	45000
3	COLLEGE STATION	CLL	VORTAC	L	334.09	342.09	69.44	69.44		7000	45000
4	INDUSTRY	IDU	VORTAC	L	344.34	352.34	105.85	105.85		11000	45000
5	COWBOY	CVE	VOR/DME	VH	171.26	177.26	70.87	70.87		11000	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TTT	VOR/DME	R-166	71	7000	15100
CLL	VORTAC	R-334	70	7000	45000
IDU	VORTAC	R-344	106	11000	45000
CVE	VOR/DME	R-171	71	9000	15000

**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	N	CVE	VOR/DME	171.26	171.26	R	1-1 1/2	11000 45000	11 31
2	N		WP	342.12	162.12	R	12	8000 45000	20 30

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-005557)	314023.00N/0965223.00W	1050	5D
2	230	TOWER (48-009432)	320524.02N/0970251.71W	1308	1A

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

MAVERICK (FAC 1) AND WACO (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JOE POOL	1, 2, 3		KGKY	ARLINGTON	TX (US)
DP	JOE POOL	1, 2, 3		KADS	DALLAS	TX (US)
DP	CURLO (RNAV)			KDAL	DALLAS	TX (US)
DP	JOE POOL	1, 2, 3		KDAL	DALLAS	TX (US)
DP	RAMBL (RNAV)			KDAL	DALLAS	TX (US)
DP	VENUS	1, 2, 3		KDAL	DALLAS	TX (US)
DP	JOE POOL	1, 2, 3		KRBD	DALLAS	TX (US)
DP	JOE POOL	1, 2, 3		KTKI	DALLAS	TX (US)
DP	ARDIA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JOE POOL	1, 2, 3		KDFW	DALLAS-FORT WORTH	TX (US)
DP	KEENE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TRI-GATE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JOE POOL	1, 2, 3		KDTO	DENTON	TX (US)
DP	JOE POOL	1, 2, 3		KAFW	FORT WORTH	TX (US)
DP	JOE POOL	1, 2, 3		KFTW	FORT WORTH	TX (US)
DP	JOE POOL	1, 2, 3		KFWS	FORT WORTH	TX (US)
DP	JOE POOL	1, 2, 3		KNFW	FORT WORTH	TX (US)
DP	JOE POOL	1, 2, 3		KGPM	GRAND PRAIRIE	TX (US)
DP	JOE POOL	1, 2, 3		KLNC	LANCASTER	TX (US)
DP	JOE POOL	1, 2, 3		KHQZ	MESQUITE	TX (US)
EN ROUTE	HIGH CHART	1, 2, 3, 5	1			(US)
EN ROUTE	LOW CHART	1, 2, 3, 4, 5	1			(US)
STAR	SNDAY (RNAV)		2	T00	ANAHUAC	TX (US)
STAR	KIDDZ (RNAV)		2	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	SNDAY (RNAV)		2	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	SNDAY (RNAV)		2	54T	BAYTOWN	TX (US)
STAR	SNDAY (RNAV)		2	KHPY	BAYTOWN	TX (US)
STAR	BAZBL (RNAV)		2	6R3	CLEVELAND	TX (US)
STAR	KIDDZ (RNAV)		2	KGLS	GALVESTON	TX (US)
STAR	SNDAY (RNAV)		2	KGLS	GALVESTON	TX (US)
STAR	SNDAY (RNAV)		2	KAXH	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		2	KCXO	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		2	KDWH	HOUSTON	TX (US)
STAR	KIDDZ (RNAV)		2	KEFD	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		2	KEFD	HOUSTON	TX (US)

STAR	KIDDZ (RNAV)	2	KHOU	HOUSTON	TX (US)
STAR	SNDAY (RNAV)	2	KHOU	HOUSTON	TX (US)
STAR	BAZBL (RNAV)	2	KIAH	HOUSTON	TX (US)
STAR	SNDAY (RNAV)	2	KIWS	HOUSTON	TX (US)
STAR	SNDAY (RNAV)	2	KLVJ	HOUSTON	TX (US)
STAR	SNDAY (RNAV)	2	KSGR	HOUSTON	TX (US)
STAR	SNDAY (RNAV)	2	KTME	HOUSTON	TX (US)
STAR	SNDAY (RNAV)	2	T41	LA PORTE	TX (US)
STAR	BAZBL (RNAV)	2	T78	LIBERTY	TX (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 13

**DATE OF REVISION:** 10/31/2024

**REASON FOR REVISION:**

REMOVED PAT 2 TTT VOR/DME FROM HOLDING PATTERNS WITH ITS ASSOCIATED CONTROLLING OBSTACLE.  
 ADDED RNAV PAT 2 TO HOLDING PATTERNS WITH ITS ASSOCIATED CONTROLLING OBSTACLE.  
 REMOVED "HOLDING PAT 2: 7 NM IS MAX OUTBOUND LEG LENGTH DUE TO FIX TO NAVAID DISTANCE OF 71NM" FROM REMARKS.  
 REMOVED STAR BLUBELL FOR T00, KLBX, 54T, KHPY, KGLS, KAXH, KEFD, KHOU, KIWS, KLVJ, KSGR, KTME AND T41 AIRPORTS FROM FIX USE.  
 REMOVED STAR SNIFY FOR KLBX, KGLS, KEFD AND KHOU AIRPORTS FROM FIX USE.  
 ADDED STAR SNDAY (RNAV) FOR T00, KLBX, 54T, KHPY, KGLS, KAXH, KEFD, KHOU, KIWS, KLVJ, KSGR, KTME AND T41 AIRPORTS TO FIX USE.  
 ADDED STAR KIDDZ (RNAV) FOR KHOU, KLBX, KGLS AND KEFD AIRPORTS IN FIX USE.  
 ADDED STAR BAZBL (RNAV) FOR KIAH, 6R3, KCXO, KDWH AND T78 AIRPORTS IN FIX USE.

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

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

**APPROVED BY:**                      **DATE:** 10/31/2024                      **OFFICE:** AJV-A432                      **NAME:** CASIMIR TABAKA

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: NNEAL

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 311147.66N/0964046.91W

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	SNDAY (RNAV)			T00	ANAHUAC	TX (US)
STAR	KIDDZ (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	SNDAY (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	SNDAY (RNAV)			54T	BAYTOWN	TX (US)
STAR	SNDAY (RNAV)			KHPY	BAYTOWN	TX (US)
STAR	KIDDZ (RNAV)			KGLS	GALVESTON	TX (US)
STAR	SNDAY (RNAV)			KGLS	GALVESTON	TX (US)
STAR	SNDAY (RNAV)			KAXH	HOUSTON	TX (US)
STAR	KIDDZ (RNAV)			KEFD	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KEFD	HOUSTON	TX (US)
STAR	KIDDZ (RNAV)			KHOU	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KHOU	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KIWS	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KLVJ	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KSGR	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KTME	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			T41	LA PORTE	TX (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/31/2024

**REASON FOR REVISION:**

ADDED STAR SNDAY (RNAV) FOR T00, KLBX, 54T, KHPY, KGLS, KAXH, KEFD, KHOU, KIWS, KLVJ, KSGR, KTME AND T41 AIRPORTS TO FIX USE.  
CHANGED FROM CONTROLLER TO CONTROLLER HIGH IN REQUIRED CHARTING.  
ADDED STAR KIDDZ (RNAV) FOR KLBX, KGLS AND KEFD AIRPORTS IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE: