

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:** NO CHANGE

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	NW	CLL	VORTAC	310.00	130.00	R	15	4000	34000	23	26
2	NW		WP	314.93	134.93	R	20	6000	45000	25	30
3	NW		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 (48-008192)	304416.00N/0965014.00W	1270	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 MAX FROM 29 TO 26 IN HOLDING PATTERNS.

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.

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: 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: BGOHH **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 310527.74N/0984802.34W **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 TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W		WP	274.05	094.05	R		12	8000	45000	20	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-010755)	305756.08N/0985657.27W	2348	4E

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	SNDAY (RNAV)		1	T00	ANAHUAC	TX (US)
STAR	SNDAY (RNAV)		1	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	SNDAY (RNAV)		1	54T	BAYTOWN	TX (US)
STAR	SNDAY (RNAV)		1	KHPY	BAYTOWN	TX (US)
STAR	BAZBL (RNAV)		1	6R3	CLEVELAND	TX (US)
STAR	SNDAY (RNAV)		1	KGLS	GALVESTON	TX (US)
STAR	SNDAY (RNAV)		1	KAXH	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		1	KCXO	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		1	KDWH	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	KEFD	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	KHOU	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		1	KIAH	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	KIWS	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	KLJV	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	KSGR	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	KTME	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	T41	LA PORTE	TX (US)
STAR	BAZBL (RNAV)		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: ORIG **DATE OF REVISION:** 10/31/2024

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)			T00	ANAHUAC	TX (US)
STAR	KIDDZ (RNAV)		2	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)		2	6R3	CLEVELAND	TX (US)
STAR	KIDDZ (RNAV)		2	KGLS	GALVESTON	TX (US)
STAR	SNDAY (RNAV)			KGLS	GALVESTON	TX (US)
STAR	SNDAY (RNAV)			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)			KEFD	HOUSTON	TX (US)

STAR	KIDDZ (RNAV)	2	KHOU	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		KHOU	HOUSTON	TX (US)
STAR	BAZBL (RNAV)	2	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)	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: HOMRN **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 304934.68N/0961521.47W **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	NAVASOTA	TNV	VOR/DME	VH	334.40	342.40	33.78	33.78		6000	45000
2	LEONA	LOA	VORTAC	L	211.89	219.89		23.20		6000	45000
3	HUMBLE	IAH	VORTAC	H	313.00	318.00	70.28	70.28		6000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LOA	VORTAC	R-212	24	18000	45000
IAH	VORTAC	R-313	71	6000	14600

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	NW	IAH	VORTAC	313.00	133.00	R	1-1 1/2	6000 45000	7 31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-008428)	304838.69N/0961536.86W	830	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

NAVASOTA (FAC 1) AND HUMBLE (FAC 3) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	J87	1, 2, 3				
STAR	BAZBL (RNAV)			6R3	CLEVELAND	TX (US)
STAR	RIICE	1, 2, 3	1	6R3	CLEVELAND	TX (US)
STAR	BAZBL (RNAV)			KCXO	HOUSTON	TX (US)
STAR	RIICE	1, 2, 3	1	KCXO	HOUSTON	TX (US)
STAR	BAZBL (RNAV)			KDWH	HOUSTON	TX (US)
STAR	RIICE	1, 2, 3	1	KDWH	HOUSTON	TX (US)
STAR	BAZBL (RNAV)			KIAH	HOUSTON	TX (US)
STAR	RIICE	1, 2, 3	1	KIAH	HOUSTON	TX (US)
STAR	BAZBL (RNAV)			T78	LIBERTY	TX (US)
STAR	RIICE	1, 2, 3	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: 4

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

- FIX MAKE-UP FACILITIES: DELETED FAC 4 LLANO VORTAC ALL FIX USE ASSOCIATION.
- EXPANDED SERVICE VOLUME (ESV): DELETED LLO ESV.
- HOLDING: DELETED PAT 2 AND ASSOCIATED CONTROLLING OBSTRUCTION DATA.
- FIX USE: ADDED STAR BAZBL (RNAV) AT KIAH, KDWH, KCXO, 6R3, T78 AIRPORTS.
- FIX USE: CORRECTED SPELLING FROM STAR RICCE TO RIICE AT T78 AIRPORT.
- REQUIRED CHARTING: REMOVED CONTROLLER, ADDED CONTROLLER LOW AND CONTROLLER HIGH.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** CHRISTOPHER WILKINSON
APPROVED BY: **DATE:** 10/31/2024 **OFFICE:** AJV-A432 **NAME:** CASIMIR TABAKA
SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 302110.00N/0970445.46W **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	CENTEX	CWK	VORTAC	VH	087.66	093.66	23.44	23.44		2400	45000
2	INDUSTRY	IDU	VORTAC	L	303.57	311.57		35.88		2400	45000
3	COLLEGE STATION	CLL	VORTAC	L	238.31	246.31	37.34	37.34		2400	45000
4	NAVASOTA	TNV	VOR/DME	VH	266.41	274.41	53.16	53.16		5000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
IDU	VORTAC	R-304	36	18400	45000
CLL	VORTAC	R-238	38	18200	45000
TNV	VOR/DME	R-266	54	5000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

CENTEX (FAC 1) AND COLLEGE STATION (FAC 3) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CENTEX	1, 2, 3		KAUS	AUSTIN	TX (US)
DP	ILEXY (RNAV)			KAUS	AUSTIN	TX (US)
DP	ILEXY (RNAV)			KEDC	AUSTIN	TX (US)
DP	ILEXY (RNAV)			KHYI	AUSTIN	TX (US)
DP	ILEXY (RNAV)			KGTU	GEORGETOWN	TX (US)
DP	ILEXY (RNAV)			KRYW	LAGO VISTA	TX (US)
DP	ILEXY (RNAV)			3R9	LAKEWAY	TX (US)
DP	ILEXY (RNAV)			T74	TAYLOR	TX (US)
EN ROUTE	V306	1, 2, 3				(US)
IAP	RNAV (GPS) RWY 17			KGYB	GIDDINGS	TX (US)
STAR	KIDDZ (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	BAZBL (RNAV)			6R3	CLEVELAND	TX (US)
STAR	RIICE	1, 3		6R3	CLEVELAND	TX (US)
STAR	KIDDZ (RNAV)			KGLS	GALVESTON	TX (US)
STAR	BAZBL (RNAV)			KCXO	HOUSTON	TX (US)
STAR	RIICE	1, 3		KCXO	HOUSTON	TX (US)
STAR	BAZBL (RNAV)			KDWH	HOUSTON	TX (US)
STAR	RIICE	1, 3		KDWH	HOUSTON	TX (US)
STAR	KIDDZ (RNAV)			KEFD	HOUSTON	TX (US)
STAR	KIDDZ (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	RIICE	1, 3		KIAH	HOUSTON	TX (US)
STAR	TTORO (RNAV)			KIAH	HOUSTON	TX (US)
STAR	BAZBL (RNAV)			T78	LIBERTY	TX (US)
STAR	RIICE	1, 3		T78	LIBERTY	TX (US)

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

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:

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: MUFNN **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 305830.18N/0974508.67W **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 TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W		WP	274.05	094.05	R		12	8000	45000	20	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-005422)	304334.30N/0975925.40W	3097	4D

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	SNDAY (RNAV)		1	T00	ANAHUAC	TX (US)
STAR	SNDAY (RNAV)		1	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	SNDAY (RNAV)		1	54T	BAYTOWN	TX (US)
STAR	SNDAY (RNAV)		1	KHPY	BAYTOWN	TX (US)
STAR	BAZBL (RNAV)		1	6R3	CLEVELAND	TX (US)
STAR	SNDAY (RNAV)		1	KGLS	GALVESTON	TX (US)
STAR	SNDAY (RNAV)		1	KAXH	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		1	KCXO	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		1	KDWH	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	KEFD	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	KHOU	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		1	KIAH	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	KIWS	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	KLJV	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	KSGR	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	KTME	HOUSTON	TX (US)
STAR	SNDAY (RNAV)		1	T41	LA PORTE	TX (US)
STAR	BAZBL (RNAV)		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: ORIG **DATE OF REVISION:** 10/31/2024

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: STYCK **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 310726.45N/0955804.65W **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
DP	STYCK (RNAV)			T00	ANAHUAC	TX (US)
DP	STYCK (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	STYCK (RNAV)			KBYY	BAY CITY	TX (US)
DP	STYCK (RNAV)			54T	BAYTOWN	TX (US)
DP	STYCK (RNAV)			KHPY	BAYTOWN	TX (US)
DP	STYCK (RNAV)			6R3	CLEVELAND	TX (US)
DP	STYCK (RNAV)			KGLS	GALVESTON	TX (US)
DP	STYCK (RNAV)			KAXH	HOUSTON	TX (US)
DP	STYCK (RNAV)			KCXO	HOUSTON	TX (US)
DP	STYCK (RNAV)			KDWH	HOUSTON	TX (US)
DP	STYCK (RNAV)			KEFD	HOUSTON	TX (US)
DP	STYCK (RNAV)			KHOU	HOUSTON	TX (US)
DP	STYCK (RNAV)			KIAH	HOUSTON	TX (US)
DP	STYCK (RNAV)			KIWS	HOUSTON	TX (US)
DP	STYCK (RNAV)			KLVJ	HOUSTON	TX (US)
DP	STYCK (RNAV)			KSGR	HOUSTON	TX (US)
DP	STYCK (RNAV)			KTME	HOUSTON	TX (US)
DP	STYCK (RNAV)			T41	LA PORTE	TX (US)
DP	STYCK (RNAV)			T78	LIBERTY	TX (US)
DP	STYCK (RNAV)			KARM	WHARTON	TX (US)
STAR	SNDAY (RNAV)			T00	ANAHUAC	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	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	SNDAY (RNAV)			KEFD	HOUSTON	TX (US)
STAR	SNDAY (RNAV)			KHOU	HOUSTON	TX (US)
STAR	BAZBL (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: DP, STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **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 BAZBL (RNAV) FOR KIAH, 6R3, KCXO, KDWH AND T78 AIRPORTS IN FIX USE.

ADDED STAR AND ENROUTE HIGH TO REQUIRED CHARTING.

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: