

RADIO FIX AND HOLDING DATA RECORD

NAME: BAATS

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 303136.04N/0955622.84W

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	MRA	MAA
1	HUMBLE	IAH	VORTAC	H	313.00	318.00	46.00	46.00	5000	45000
2	NAVASOTA	TNV	VOR/DME	VH	015.31	023.31		15.53	5000	45000
3	COLLEGE STATION	CLL	VORTAC	L	092.53	100.53	25.35	25.35	5000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
IAH	VORTAC	R-313	46	5000	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

HUMBLE (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	RIICE	1, 2, 3		6R3	CLEVELAND	TX (US)
STAR	RIICE	1, 2, 3		KCXO	HOUSTON	TX (US)
STAR	RIICE	1, 2, 3		KDWH	HOUSTON	TX (US)
STAR	RIICE	1, 2, 3		KIAH	HOUSTON	TX (US)
STAR	RIICE	1, 2, 3		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:

1. 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

Digitally signed by

SIGNATURE: JOSEPH L ZEDER

Aug 12, 2024

QUALITY
35
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BILEE

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 310952.25N/0962253.62W

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	55.04	55.04		6000	45000
2	LEONA	LOA	VORTAC	L	268.60	276.60		21.43		6000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TNV	VOR/DME	R-334	56	6000	14800
LOA	VORTAC	R-269	22	18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NAVASOTA (FAC 1) AND LEONA (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JOE POOL	1, 2		KGKY	ARLINGTON	TX (US)
DP	JOE POOL	1, 2		KADS	DALLAS	TX (US)
DP	CURLO (RNAV)			KDAL	DALLAS	TX (US)
DP	JOE POOL	1, 2		KDAL	DALLAS	TX (US)
DP	RAMBL (RNAV)			KDAL	DALLAS	TX (US)
DP	VENUS	1, 2		KDAL	DALLAS	TX (US)
DP	JOE POOL	1, 2		KRBD	DALLAS	TX (US)
DP	JOE POOL	1, 2		KTKI	DALLAS	TX (US)
DP	DARTZ (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JOE POOL	1, 2		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		KDTO	DENTON	TX (US)
DP	JOE POOL	1, 2		KAFW	FORT WORTH	TX (US)
DP	JOE POOL	1, 2		KFTW	FORT WORTH	TX (US)
DP	JOE POOL	1, 2		KFWS	FORT WORTH	TX (US)
DP	JOE POOL	1, 2		KNFW	FORT WORTH	TX (US)
DP	JOE POOL	1, 2		KGPM	GRAND PRAIRIE	TX (US)
DP	JOE POOL	1, 2		KLNC	LANCASTER	TX (US)
DP	JOE POOL	1, 2		KHQZ	MESQUITE	TX (US)
EN ROUTE	J87	1, 2				(US)
STAR	RIICE	1, 2		6R3	CLEVELAND	TX (US)
STAR	RIICE	1, 2		KCXO	HOUSTON	TX (US)
STAR	RIICE	1, 2		KDWH	HOUSTON	TX (US)
STAR	RIICE	1, 2		KIAH	HOUSTON	TX (US)
STAR	RIICE	1, 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: 15

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

1. UPDATED TNV ESV MINIMUM ALTITUDE FROM 5000 TO 6000.

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: *Digitally signed by*
JOSEPH L ZEDER

Aug 12, 2024

QUALITY
35
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BRKMN

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 302326.45N/0954749.27W

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	HUMBLE	IAH	VORTAC	H	313.00	318.00	35.00	35.00		2100	45000
2	NAVASOTA	TNV	VOR/DME	VH	057.66	065.66		14.88		2100	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

HUMBLE (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 17R			KDWH	HOUSTON	TX (US)
STAR	RIICE	1, 2		6R3	CLEVELAND	TX (US)
STAR	RIICE	1, 2		KCXO	HOUSTON	TX (US)
STAR	RIICE	1, 2		KDWH	HOUSTON	TX (US)
STAR	RIICE	1, 2		KIAH	HOUSTON	TX (US)
STAR	RIICE	1, 2		T78	LIBERTY	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

1. REQUIRED CHARTING: 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:

Digitally signed by

JOSEPH L ZEDER

Aug 12, 2024

QUALITY
35
CHECKED

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:

Digitally signed by
JOSEPH L ZEDER
Aug 12, 2024

QUALITY
35
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HOOTZ

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 311922.55N/0962626.53W

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	NAVASOTA	TNV	VOR/DME	VH	334.40	342.40	65.00	65.00	18000	45000
2	LEONA	LOA	VORTAC	L	288.21	296.21		27.08	18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LOA	VORTAC	R-288	28	18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NAVASOTA (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

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

1. 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:

Digitally signed by

JOSEPH L ZEDER

Aug 12, 2024

QUALITY
35
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LUKIY

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 321927.44N/0972947.27W

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 NM	FAC FEET	MRA	MAA
1	MILLSAP	MQP	VORTAC	VH	124.30	133.30	35.00	35.00		18000	45000
2	COWBOY	CVE	VOR/DME	VH	215.70	221.70		45.28		18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	RIICE	1, 2		6R3	CLEVELAND	TX (US)
STAR	RIICE	1, 2		KCXO	HOUSTON	TX (US)
STAR	RIICE	1, 2		KDWH	HOUSTON	TX (US)
STAR	RIICE	1, 2		KIAH	HOUSTON	TX (US)
STAR	RIICE	1, 2		T78	LIBERTY	TX (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

1. REQUIRED CHARTING: REMOVED CONTROLLER AND ADDED 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:

Digitally signed by
JOSEPH L ZEDER
Aug 12, 2024

QUALITY
35
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MLRRR

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 301217.91N/0953611.24W

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	HUMBLE	IAH	VORTAC	H	313.00	318.00	20.00	20.00		2100	45000
2	NAVASOTA	TNV	VOR/DME	VH	093.82	101.82		24.17		2100	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

HUMBLE (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	RIICE	1, 2		6R3	CLEVELAND	TX (US)
STAR	RIICE	1, 2		KCXO	HOUSTON	TX (US)
STAR	RIICE	1, 2		KDWH	HOUSTON	TX (US)
STAR	RIICE	1, 2		KIAH	HOUSTON	TX (US)
STAR	RIICE	1, 2		T78	LIBERTY	TX (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

1. REQUIRED CHARTING: REMOVED CONTROLLER AND ADDED CONTROLLER LOW.

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:

Digitally signed by
JOSEPH L ZEDER

Aug 12, 2024

QUALITY
35
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RIICE

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 302709.06N/0955142.54W

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	HUMBLE	IAH	VORTAC	H	313.00	318.00	40.00	40.00		5000	45000
2	NAVASOTA	TNV	VOR/DME	VH	038.03	046.03		14.15		5000	45000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW	IAH	VORTAC	313.00	133.00	R	1		5000	14000	7	12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-004538)	303316.54N/0960152.39W	1982	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

HUMBLE (FAC 1) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	RIICE	1, 2	1	6R3	CLEVELAND	TX (US)
STAR	RIICE	1, 2	1	KCXO	HOUSTON	TX (US)
STAR	RIICE	1, 2	1	KDWH	HOUSTON	TX (US)
STAR	RIICE	1, 2	1	KIAH	HOUSTON	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: 4

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

- HOLDING: DELETED PAT 2 AND ASSOCIATED CONTROLLING OBSTRUCTION.
- REMARKS: DELETED "HOLDING PAT 2: EVALUATED FOR 10 NM LEGS, ATC REQUEST."
- REQUIRED CHARTING: DELETED 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:

Digitally signed by
JOSEPH L ZEDER
Aug 12, 2024

QUALITY
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CHECKED