

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 TIME	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: BAZBL

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 303816.18N/0960324.10W

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	55.00	55.00	5000	45000
2	LEONA	LOA	VORTAC	L	180.97	188.97		29.46	5000	45000
3	COLLEGE STATION	CLL	VORTAC	L	075.95	083.95		18.95	5000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
IAH	VORTAC	R-313	55	5000	14600
LOA	VORTAC	R-181	30	18000	45000
CLL	VORTAC	R-076	19	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 TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW	IAH	VORTAC	313.00	133.00	L	1		5000	45000	7	31

CONTROLLING OBSTRUCTIONS:

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

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

HUMBLE (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	J27	1, 2, 3				(US)
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: 5

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

1. FIX USE: ADDED BAZBL (RNAV) STAR AT 6R3, KCXO, KDWH, KIAH, AND T78 AIRPORTS.

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: CENTEX VORTAC **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4
LATITUDE/LONGITUDE: 302242.78N/0973147.45W **TYPE:**
AIRSPACE DOCKET: 23-ASW-16 **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						45000

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	197.79	017.79	R	4 3100	6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-012369)	301837.66N/0973651.18W	1049	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

ASSIGNED FACILITY MAGVAR: 6E (2000).
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	INDUSTRY			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	JOE POOL			KGKY	ARLINGTON	TX (US)
DP	AUSTIN			KAUS	AUSTIN	TX (US)
DP	CENTEX			KAUS	AUSTIN	TX (US)
DP	PALMS			KAUS	AUSTIN	TX (US)
DP	JOE POOL			KADS	DALLAS	TX (US)
DP	JOE POOL			KDAL	DALLAS	TX (US)
DP	VENUS			KDAL	DALLAS	TX (US)
DP	JOE POOL			KRBD	DALLAS	TX (US)
DP	JOE POOL			KTKI	DALLAS	TX (US)
DP	JOE POOL			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JOE POOL			KDTO	DENTON	TX (US)
DP	JOE POOL			KAFW	FORT WORTH	TX (US)
DP	JOE POOL			KFTW	FORT WORTH	TX (US)
DP	JOE POOL			KFWS	FORT WORTH	TX (US)
DP	JOE POOL			KNFW	FORT WORTH	TX (US)
DP	INDUSTRY			KGLS	GALVESTON	TX (US)
DP	JOE POOL			KGPM	GRAND PRAIRIE	TX (US)
DP	INDUSTRY			KAXH	HOUSTON	TX (US)
DP	INDUSTRY			KCXO	HOUSTON	TX (US)
DP	INDUSTRY			KDWH	HOUSTON	TX (US)
DP	INDUSTRY			KEFD	HOUSTON	TX (US)
DP	INDUSTRY			KHOU	HOUSTON	TX (US)
DP	INDUSTRY			KIAH	HOUSTON	TX (US)
DP	INDUSTRY			KIWS	HOUSTON	TX (US)
DP	INDUSTRY			KSGR	HOUSTON	TX (US)
DP	INDUSTRY			KTME	HOUSTON	TX (US)
DP	INDUSTRY			T41	LA PORTE	TX (US)
DP	JOE POOL			KLNC	LANCASTER	TX (US)
DP	JOE POOL			KHQZ	MESQUITE	TX (US)
DP	ALAMO			KSAT	SAN ANTONIO	TX (US)
DP	ALAMO			KSSF	SAN ANTONIO	TX (US)
EN ROUTE	J21					(US)
EN ROUTE	J25					(US)
EN ROUTE	V17					(US)
EN ROUTE	V306					(US)
EN ROUTE	V550					(US)
EN ROUTE	V558					(US)
EN ROUTE	V565					(US)
EN ROUTE	V574					(US)
EN ROUTE	V583					(US)
IAP	ILS OR LOC RWY 18L			KAUS	AUSTIN	TX (US)
IAP	ILS OR LOC RWY 18R			KAUS	AUSTIN	TX (US)
IAP	ILS OR LOC RWY 36L			KAUS	AUSTIN	TX (US)
IAP	ILS OR LOC RWY 36R			KAUS	AUSTIN	TX (US)
IAP	ILS RWY 18L (CAT II/III)			KAUS	AUSTIN	TX (US)
IAP	ILS RWY 18L (SA CAT I)			KAUS	AUSTIN	TX (US)
IAP	ILS RWY 36R (SA CAT I-II)			KAUS	AUSTIN	TX (US)
IAP	ILS OR LOC RWY 13			KHYI	AUSTIN	TX (US)
IAP	NDB RWY 13			KHYI	AUSTIN	TX (US)
IAP	ILS OR LOC RWY 15			KGRK	FORT HOOD/KILLEEN	TX (US)

IAP	ILS OR LOC RWY 33		KGRK	FORT HOOD/KILLEEN	TX (US)
IAP	RNAV (GPS) RWY 11		KGTU	GEORGETOWN	TX (US)
IAP	RNAV (GPS) RWY 29		KGTU	GEORGETOWN	TX (US)
IAP	RNAV (GPS) RWY 15		KRYW	LAGO VISTA	TX (US)
IAP	RNAV (GPS) RWY 16		3R9	LAKEWAY	TX (US)
IAP	RNAV (GPS) RWY 18		50R	LOCKHART	TX (US)
IAP	RNAV (GPS) RWY 17	1	T74	TAYLOR	TX (US)
IAP	VOR RWY 17		T74	TAYLOR	TX (US)
STAR	DODJE		KGKY	ARLINGTON	TX (US)
STAR	BLEWE		KAUS	AUSTIN	TX (US)
STAR	BLEWE		KEDC	AUSTIN	TX (US)
STAR	BLEWE		KHYI	AUSTIN	TX (US)
STAR	RIICE		6R3	CLEVELAND	TX (US)
STAR	RIICE		KCXO	CONROE	TX (US)
STAR	YEAGR		KADS	DALLAS	TX (US)
STAR	YEAGR		KDAL	DALLAS	TX (US)
STAR	DODJE		KRBD	DALLAS	TX (US)
STAR	YEAGR		KTKI	DALLAS	TX (US)
STAR	CEDAR CREEK		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	YEAGR		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	DODJE		KLUD	DECATUR	TX (US)
STAR	DODJE		KDTO	DENTON	TX (US)
STAR	DODJE		KAFW	FORT WORTH	TX (US)
STAR	DODJE		KFTW	FORT WORTH	TX (US)
STAR	DODJE		KFWS	FORT WORTH	TX (US)
STAR	DODJE		KNFW	FORT WORTH	TX (US)
STAR	DODJE		KGPM	GRAND PRAIRIE	TX (US)
STAR	RIICE		KDWH	HOUSTON	TX (US)
STAR	RIICE		KIAH	HOUSTON	TX (US)
STAR	BLEWE		KRYW	LAGO VISTA	TX (US)
STAR	BLEWE		3R9	LAKEWAY	TX (US)
STAR	DODJE		KLNC	LANCASTER	TX (US)
STAR	RIICE		T78	LIBERTY	TX (US)
STAR	YEAGR		KHQZ	MESQUITE	TX (US)
STAR	DODJE		KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR	YEAGR		F46	ROCKWALL	TX (US)
STAR	MARCS		KSAT	SAN ANTONIO	TX (US)
STAR	MARCS		KSKF	SAN ANTONIO	TX (US)
STAR	MARCS		KSSF	SAN ANTONIO	TX (US)
STAR	BLEWE		T74	TAYLOR	TX (US)
STAR	MARCS		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: 23

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

1. DOCKET: ADDED "23-ASW-16"
2. FIX USE: REMOVED "EN ROUTE V76" AND "STAR BLUEBELL" AT ALL AIRPORTS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CHMPZ

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 323356.77N/0964838.22W

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	COWBOY	CVE	VOR/DME	VH	160.31	166.31	20.00	20.00	18000	45000
2	MILLSAP	MQP	VORTAC	VH	089.76	098.76		60.89	18000	45000
3	WACO	ACT	VORTAC	VH	014.23	023.23		58.93	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 TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N	CVE	VOR/DME	160.31	160.31	R	1 1/2		18000	45000	21	31
2	S		WP	160.31	340.31	R		4	3000	6000	5	6
3	N		WP	343.37	163.37	R		10	8000	45000	15	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
2	200	TOWER (48-008942)	322459.82N/0964612.42W	1027	2C
2	310	TOWER (48-008489)	323502.67N/0965748.75W	2549	2C
3	230	TOWER (48-008489)	323502.67N/0965748.75W	2549	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	RNAV (GPS) RWY 36	KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)

REMARKS:

COWBOY (FAC 1) AND MILLSAP (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
310K OBSTRUCTION 5055FT IN SECONDARY.
HOLDING PAT 1 FAC 1 & 2 ONLY.
HOLDING PAT 3: EVALUATED FOR 10 NM LEGS. ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J87	1, 2, 3				(US)
IAP	RNAV (GPS) RWY 36		2	KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
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	DRLLR (RNAV)		3	KIAH	HOUSTON	TX (US)
STAR	GUSHR (RNAV)		3	KIAH	HOUSTON	TX (US)
STAR	RIICE	1, 2	1	KIAH	HOUSTON	TX (US)
STAR	RIICE	1, 2	1	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: 6

DATE OF REVISION: 10/05/2023

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: FACS 1 (CVE) 2 (MQP) & 3 (ACT) CLASS CHANGED FROM H TO VH. FAC 3 (ACT) MAG/TRUE BRG CHANGED FROM 014.24/023.24 TO 014.23/023.23 AND DIST FROM FAC CHANGED FROM 58.92 TO 58.93.
FIX USE: ADDED J87.
CHARTING: REMOVED CONTROLLER AND ADDED CONTROLLER LOW/HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE: 10/05/2023

OFFICE: AJV-A440

NAME: DAVID DANNER

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: COLLEGE STATION VORTAC **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 303618.01N/0962514.45W **TYPE:**

AIRSPACE DOCKET: 23-ASW-16 **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						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	NE	CLL	VORTAC	063.00	243.00	R	1	2100 6000	4 5
2	W	CLL	VORTAC	279.00	099.00	R	1	2000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-003334)	304116.22N/0962532.44W	1022	1A
2	200	TOWER (48-004140)	303939.66N/0962500.12W	787	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 8E (1965).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JOE POOL			KGKY	ARLINGTON	TX (US)
DP	CENTEX			KAUS	AUSTIN	TX (US)
DP	JOE POOL			KADS	DALLAS	TX (US)
DP	CURLO (RNAV)			KDAL	DALLAS	TX (US)
DP	JOE POOL			KDAL	DALLAS	TX (US)
DP	RAMBL (RNAV)			KDAL	DALLAS	TX (US)
DP	VENUS			KDAL	DALLAS	TX (US)
DP	JOE POOL			KRBD	DALLAS	TX (US)
DP	JOE POOL			KTKI	DALLAS	TX (US)
DP	ARDIA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JOE POOL			KDFW	DALLAS-FORT WORTH	TX (US)
DP	KEENE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JOE POOL			KDTO	DENTON	TX (US)
DP	CONRA			KHLR	FORT HOOD (KILLEEN)	TX (US)
DP	CONRA			KGRK	FORT HOOD/KILLEEN	TX (US)
DP	JOE POOL			KAFW	FORT WORTH	TX (US)
DP	JOE POOL			KFTW	FORT WORTH	TX (US)
DP	JOE POOL			KFWS	FORT WORTH	TX (US)
DP	JOE POOL			KNFW	FORT WORTH	TX (US)
DP	JOE POOL			KGPM	GRAND PRAIRIE	TX (US)
DP	JUNCTION			KCXO	HOUSTON	TX (US)
DP	JUNCTION			KDWH	HOUSTON	TX (US)
DP	JUNCTION			KIAH	HOUSTON	TX (US)
DP	CONRA			KILE	KILLEEN	TX (US)
DP	JOE POOL			KLNC	LANCASTER	TX (US)
DP	JOE POOL			KHQZ	MESQUITE	TX (US)
EN ROUTE	Q4					(US)
EN ROUTE	T200					(US)
EN ROUTE	T254					(US)
EN ROUTE	V15					(US)
EN ROUTE	V194					(US)
EN ROUTE	V548					(US)
EN ROUTE	V565					(US)
EN ROUTE	V583					(US)
IAP	VOR/DME-A		1	KRWV	CALDWELL	TX (US)
IAP	ILS OR LOC RWY 35			KCLL	COLLEGE STATION	TX (US)
IAP	LOC BC RWY 17			KCLL	COLLEGE STATION	TX (US)
IAP	VOR OR TACAN RWY 11			KCLL	COLLEGE STATION	TX (US)
IAP	VOR RWY 29		2	KCLL	COLLEGE STATION	TX (US)
IAP	RNAV (GPS) RWY 36			51R	MADISONVILLE	TX (US)
STAR	BITER			KAUS	AUSTIN	TX (US)
STAR	BITER			KEDC	AUSTIN	TX (US)
STAR	BITER			KHYI	AUSTIN	TX (US)
STAR	RIICE			6R3	CLEVELAND	TX (US)
STAR	BITER			KGTU	GEORGETOWN	TX (US)
STAR	RIICE			KCXO	HOUSTON	TX (US)
STAR	RIICE			KDWH	HOUSTON	TX (US)
STAR	RIICE			KIAH	HOUSTON	TX (US)
STAR	BITER			KRYW	LAGO VISTA	TX (US)

STAR
STARBITER
RIICE3R9
T78LAKEWAY
LIBERTYTX (US)
TX (US)**REQUIRED CHARTING:** DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH**COMPULSORY REPORTING POINT:** NO**RECORD REVISION NUMBER:** 27**DATE OF REVISION:** 10/31/2024**REASON FOR REVISION:**

1. DOCKET: ADDED "23-ASW-16"

2. FIX USE: REMOVED "EN ROUTE J183", "STAR BLUBL" AT ALL AIRPORTS, AND "STAR SNIFY" AT ALL AIRPORTS; ADDED "IAP VOR/DME-A" AT KRWV; ADDED "EN ROUTE Q4"

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

NAME: HENRY BRADSHAW**APPROVED BY:****DATE:** 10/31/2024**OFFICE:** AJV-A423**NAME:** ALLAN WILL**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: DAISSETTA VORTAC **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 301122.96N/0943841.94W **TYPE:**

AIRSPACE DOCKET: 23-ASW-06 **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	DAISSETTA	DAS	VORTAC	H						45000

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	SW	DAS	VORTAC	241.59	061.59	L	1	3000 10000	4 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-011221)	301502.00N/0943755.00W	448	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST/AIRSPACE

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: E5/1995.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALEXANDRIA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	EL DORADO			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	GIFFA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	LUFKIN			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	ALEXANDRIA			KGLS	GALVESTON	TX (US)
DP	EL DORADO			KGLS	GALVESTON	TX (US)
DP	GIFFA			KGLS	GALVESTON	TX (US)
DP	LUFKIN			KGLS	GALVESTON	TX (US)
DP	ALEXANDRIA			KAXH	HOUSTON	TX (US)
DP	EL DORADO			KAXH	HOUSTON	TX (US)
DP	GIFFA			KAXH	HOUSTON	TX (US)
DP	LUFKIN			KAXH	HOUSTON	TX (US)
DP	ALEXANDRIA			KCXO	HOUSTON	TX (US)
DP	EL DORADO			KCXO	HOUSTON	TX (US)
DP	GIFFA			KCXO	HOUSTON	TX (US)
DP	LAKE CHARLES			KCXO	HOUSTON	TX (US)
DP	LUFKIN			KCXO	HOUSTON	TX (US)
DP	ALEXANDRIA			KDWH	HOUSTON	TX (US)
DP	EL DORADO			KDWH	HOUSTON	TX (US)
DP	GIFFA			KDWH	HOUSTON	TX (US)
DP	LAKE CHARLES			KDWH	HOUSTON	TX (US)
DP	LUFKIN			KDWH	HOUSTON	TX (US)
DP	ALEXANDRIA			KEFD	HOUSTON	TX (US)
DP	EL DORADO			KEFD	HOUSTON	TX (US)
DP	GIFFA			KEFD	HOUSTON	TX (US)
DP	LUFKIN			KEFD	HOUSTON	TX (US)
DP	ALEXANDRIA			KHOU	HOUSTON	TX (US)
DP	EL DORADO			KHOU	HOUSTON	TX (US)
DP	GIFFA			KHOU	HOUSTON	TX (US)
DP	LUFKIN			KHOU	HOUSTON	TX (US)
DP	ALEXANDRIA			KIAH	HOUSTON	TX (US)
DP	EL DORADO			KIAH	HOUSTON	TX (US)
DP	GIFFA			KIAH	HOUSTON	TX (US)
DP	LAKE CHARLES			KIAH	HOUSTON	TX (US)
DP	LUFKIN			KIAH	HOUSTON	TX (US)
DP	ALEXANDRIA			KIWS	HOUSTON	TX (US)
DP	EL DORADO			KIWS	HOUSTON	TX (US)
DP	GIFFA			KIWS	HOUSTON	TX (US)
DP	LUFKIN			KIWS	HOUSTON	TX (US)
DP	ALEXANDRIA			KSGR	HOUSTON	TX (US)
DP	EL DORADO			KSGR	HOUSTON	TX (US)
DP	GIFFA			KSGR	HOUSTON	TX (US)
DP	LUFKIN			KSGR	HOUSTON	TX (US)
DP	ALEXANDRIA			KTME	HOUSTON	TX (US)
DP	EL DORADO			KTME	HOUSTON	TX (US)
DP	GIFFA			KTME	HOUSTON	TX (US)
DP	LUFKIN			KTME	HOUSTON	TX (US)

DP	ALEXANDRIA	T41	LA PORTE	TX (US)
DP	EL DORADO	T41	LA PORTE	TX (US)
DP	GIFFA	T41	LA PORTE	TX (US)
DP	LUFKIN	T41	LA PORTE	TX (US)
EN ROUTE	J180			(US)
EN ROUTE	Q33			(US)
EN ROUTE	V306			(US)
EN ROUTE	V407			(US)
EN ROUTE	V574			(US)
IAP	RNAV (GPS) RWY 13	KBMT	BEAUMONT	TX (US)
IAP	ILS OR LOC RWY 14	KCXO	HOUSTON	TX (US)
IAP	NDB RWY 14	KCXO	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 26L	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 26R	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 27	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 8L	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 8R	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26L (CAT II - III)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26L (SA CAT I)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26R (CAT II - III)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26R (SA CAT I)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 27 (CAT II - III)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 27 (SA CAT I)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 8L (CAT II - III)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 8L (SA CAT I)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 8R (SA CAT I-II)	KIAH	HOUSTON	TX (US)
IAP	VOR-A	T78	LIBERTY	TX (US)
IAP	RNAV (GPS) RWY 30	00R	LIVINGSTON	TX (US)
STAR	OHIO	T00	ANAHUAC	TX (US)
STAR	OHIO	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	DODJE	KGKY	ARLINGTON	TX (US)
STAR	OHIO	54T	BAYTOWN	TX (US)
STAR	OHIO	KHPY	BAYTOWN	TX (US)
STAR	OHIO	6R3	CLEVELAND	TX (US)
STAR	RIICE	6R3	CLEVELAND	TX (US)
STAR	YEAGR	KADS	DALLAS	TX (US)
STAR	YEAGR	KDAL	DALLAS	TX (US)
STAR	DODJE	KRBD	DALLAS	TX (US)
STAR	YEAGR	KTKI	DALLAS	TX (US)
STAR	CEDAR CREEK	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	YEAGR	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	DODJE	KLUD	DECATUR	TX (US)
STAR	DODJE	KDTO	DENTON	TX (US)
STAR	DODJE	KAFW	FORT WORTH	TX (US)
STAR	DODJE	KFTW	FORT WORTH	TX (US)
STAR	DODJE	KFWS	FORT WORTH	TX (US)
STAR	DODJE	KNFW	FORT WORTH	TX (US)
STAR	OHIO	KGLS	GALVESTON	TX (US)
STAR	DODJE	KGPM	GRAND PRAIRIE	TX (US)
STAR	OHIO	KAXH	HOUSTON	TX (US)
STAR	OHIO	KCXO	HOUSTON	TX (US)
STAR	RIICE	KCXO	HOUSTON	TX (US)
STAR	OHIO	KDWH	HOUSTON	TX (US)
STAR	RIICE	KDWH	HOUSTON	TX (US)
STAR	OHIO	KEFD	HOUSTON	TX (US)
STAR	OHIO	KHOU	HOUSTON	TX (US)
STAR	GILCO	KIAH	HOUSTON	TX (US)
STAR	OHIO	KIAH	HOUSTON	TX (US)
STAR	RIICE	KIAH	HOUSTON	TX (US)
STAR	OHIO	KIWS	HOUSTON	TX (US)
STAR	OHIO	KLVJ	HOUSTON	TX (US)
STAR	OHIO	KSGR	HOUSTON	TX (US)
STAR	OHIO	KTME	HOUSTON	TX (US)
STAR	OHIO	T41	LA PORTE	TX (US)
STAR	DODJE	KLNC	LANCASTER	TX (US)
STAR	OHIO	T78	LIBERTY	TX (US)
STAR	RIICE	T78	LIBERTY	TX (US)
STAR	YEAGR	KHQZ	MESQUITE	TX (US)
STAR	DODJE	KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR	YEAGR	F46	ROCKWALL	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 23-ASW-06.

FIX USE: ADDED Q33. ADDED KIAH GILCO STAR. ADDED OHIO STAR AT ALL APPLICABLE AIRPORTS. ADDED YEAGR STAR AT ALL APPLICABLE AIRPORTS. ADDED KGKY, KGPM, KLNC, KLUD, KRBD, KDTO, KFTW, KFWS, KNFW AND KJWY AIRPORTS TO DODJE STAR. ADDED T78 AND 6R3 AIRPORTS TO RIICE STAR. REMOVED KHOU AIRPORT FROM RIICE STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A423

NAME: MICHAEL GARRITY

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: LEONA VORTAC

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 310726.46N/0955804.64W

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 NM	FAC FEET	MRA	MAA
1	LEONA	LOA	VORTAC	L								17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

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	LOA	WP	311.63	131.63	R		4	2100	14000	5	11
2	N		VORTAC	347.98	167.98	R	1		2000	14000	4	10
3	NE		WP	057.00	237.00	R		4	4000	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-004995)	310837.05N/0960701.74W	1031	4D
2	200	TOWER (48-005763)	311647.23N/0955903.37W	884	4D
3	200	TOWER (48-009283)	310641.00N/0955710.00W	822	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 8E (1965).

FIX USE:
USE TYPE

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GIFFA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	LEONA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	JOE POOL			KGKY	ARLINGTON	TX (US)
DP	CENTEX			KAUS	AUSTIN	TX (US)
DP	JOE POOL			KADS	DALLAS	TX (US)
DP	JOE POOL			KDAL	DALLAS	TX (US)
DP	VENUS			KDAL	DALLAS	TX (US)
DP	JOE POOL			KRBD	DALLAS	TX (US)
DP	JOE POOL			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JOE POOL			KDTO	DENTON	TX (US)
DP	CONRA			KHLR	FORT HOOD (KILLEEN)	TX (US)
DP	CONRA			KGRK	FORT HOOD/KILLEEN	TX (US)
DP	JOE POOL			KAFW	FORT WORTH	TX (US)
DP	JOE POOL			KFTW	FORT WORTH	TX (US)
DP	JOE POOL			KFWS	FORT WORTH	TX (US)
DP	JOE POOL			KNFW	FORT WORTH	TX (US)
DP	GIFFA			KGLS	GALVESTON	TX (US)
DP	LEONA			KGLS	GALVESTON	TX (US)
DP	JOE POOL			KGPM	GRAND PRAIRIE	TX (US)
DP	GIFFA			KAXH	HOUSTON	TX (US)
DP	LEONA			KAXH	HOUSTON	TX (US)
DP	GIFFA			KCXO	HOUSTON	TX (US)
DP	LEONA			KCXO	HOUSTON	TX (US)
DP	GIFFA			KDWH	HOUSTON	TX (US)
DP	LEONA			KDWH	HOUSTON	TX (US)
DP	GIFFA			KEFD	HOUSTON	TX (US)
DP	LEONA			KEFD	HOUSTON	TX (US)
DP	GIFFA			KHOU	HOUSTON	TX (US)
DP	LEONA			KHOU	HOUSTON	TX (US)
DP	GIFFA			KIAH	HOUSTON	TX (US)
DP	LEONA			KIAH	HOUSTON	TX (US)
DP	GIFFA			KIWS	HOUSTON	TX (US)
DP	LEONA			KIWS	HOUSTON	TX (US)
DP	GIFFA			KSGR	HOUSTON	TX (US)
DP	LEONA			KSGR	HOUSTON	TX (US)
DP	GIFFA			KTME	HOUSTON	TX (US)
DP	LEONA			KTME	HOUSTON	TX (US)
DP	CONRA			KILE	KILLEEN	TX (US)
DP	GIFFA			T41	LA PORTE	TX (US)
DP	LEONA			T41	LA PORTE	TX (US)
DP	JOE POOL			KLNC	LANCASTER	TX (US)
DP	JOE POOL			KTKI	MC KINNEY	TX (US)
DP	JOE POOL			KHQZ	MESQUITE	TX (US)
EN ROUTE	V477					(US)
EN ROUTE	V571					(US)
EN ROUTE	V583					(US)
IAP	ILS OR LOC RWY 35			KCLL	COLLEGE STATION	TX (US)

IAP	LOC BC RWY 17		KCLL	COLLEGE STATION	TX (US)
IAP	VOR RWY 29		KCLL	COLLEGE STATION	TX (US)
IAP	RNAV (GPS) RWY 2	3	KDKR	CROCKETT	TX (US)
IAP	RNAV (GPS) RWY 20	3	KDKR	CROCKETT	TX (US)
IAP	VOR/DME-A		KUTS	HUNTSVILLE	TX (US)
IAP	RNAV (GPS) RWY 18	1	51R	MADISONVILLE	TX (US)
IAP	RNAV (GPS) RWY 36		51R	MADISONVILLE	TX (US)
IAP	VOR/DME RWY 18	2	51R	MADISONVILLE	TX (US)
STAR	DODJE		KGKY	ARLINGTON	TX (US)
STAR	RIICE		6R3	CLEVELAND	TX (US)
STAR	YEAGR		KADS	DALLAS	TX (US)
STAR	YEAGR		KDAL	DALLAS	TX (US)
STAR	DODJE		KRBD	DALLAS	TX (US)
STAR	YEAGR		KTKI	DALLAS	TX (US)
STAR	CEDAR CREEK		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	YEAGR		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	DODJE		KLUD	DECATUR	TX (US)
STAR	DODJE		KDTO	DENTON	TX (US)
STAR	DODJE		KAFW	FORT WORTH	TX (US)
STAR	DODJE		KFTW	FORT WORTH	TX (US)
STAR	DODJE		KFWS	FORT WORTH	TX (US)
STAR	DODJE		KNFW	FORT WORTH	TX (US)
STAR	DODJE		KGPM	GRAND PRAIRIE	TX (US)
STAR	RIICE		KCXO	HOUSTON	TX (US)
STAR	RIICE		KDWH	HOUSTON	TX (US)
STAR	RIICE		KIAH	HOUSTON	TX (US)
STAR	DODJE		KLNC	LANCASTER	TX (US)
STAR	RIICE		T78	LIBERTY	TX (US)
STAR	YEAGR		KHQZ	MESQUITE	TX (US)
STAR	DODJE		KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR	YEAGR		F46	ROCKWALL	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

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.

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: LYYTE

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 300620.93N/0953000.02W

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	HUMBLE	IAH	VORTAC	H	313.00	318.00	12.00	12.00	2000	45000
2	DAISETTA	DAS	VORTAC	H	258.77	263.77		44.76	2000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DAS	VORTAC	R-259	45	2000	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

HUMBLE (FAC 1) AND DAISETTA (FAC 2) 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: 2

DATE OF REVISION: 11/03/2022

REASON FOR REVISION:

REMOVED FAC 3 ELA VOR/DME FROM FIX MAKE-UP FACILITIES.
REMOVED ELA VOR/DME ESV FROM EXPANDED SERVICE VOLUME.
REMOVED FAC 3 FROM ALL FIX TITLES IN FIX USE.
CHANGED CONTROLLER TO CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 11/03/2022

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 324334.25N/0975950.79W 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 NM FEET	MRA	MAA
1	MILLSAP	MQP	VORTAC	VH						45000

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	SE	MQP	VORTAC	129.00	309.00	L	1	2800 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	324451.00N/0975530.00W	1286	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

ASSIGNED FACILITY MAGVAR: 9E/1965.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	RNAV (GPS) RWY 19			0TX1	GRANBURY	TX (US)
SPECIAL IAP	RNAV (GPS) RWY 17			TA25	RANGER	TX (US)
DP	KINGDOM			KGKY	ARLINGTON	TX (US)
DP	WORTH			KGKY	ARLINGTON	TX (US)
DP	KINGDOM			KCPT	CLEBURNE	TX (US)
DP	KINGDOM			KADS	DALLAS	TX (US)
DP	WORTH			KADS	DALLAS	TX (US)
DP	COYOTE			KDAL	DALLAS	TX (US)
DP	KINGDOM			KDAL	DALLAS	TX (US)
DP	LOVE			KDAL	DALLAS	TX (US)
DP	WORTH			KDAL	DALLAS	TX (US)
DP	KINGDOM			KRBD	DALLAS	TX (US)
DP	WORTH			KRBD	DALLAS	TX (US)
DP	KINGDOM			KTKI	DALLAS	TX (US)
DP	WORTH			KTKI	DALLAS	TX (US)
DP	COYOTE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	KINGDOM			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH			KDFW	DALLAS-FORT WORTH	TX (US)
DP	KINGDOM			KLUD	DECATUR	TX (US)
DP	KINGDOM			KDTO	DENTON	TX (US)
DP	WORTH			KDTO	DENTON	TX (US)
DP	KINGDOM			F41	ENNIS	TX (US)
DP	KINGDOM			50F	FORT WORTH	TX (US)
DP	KINGDOM			KAFW	FORT WORTH	TX (US)
DP	WORTH			KAFW	FORT WORTH	TX (US)
DP	KINGDOM			KFTW	FORT WORTH	TX (US)
DP	WORTH			KFTW	FORT WORTH	TX (US)
DP	KINGDOM			KFWS	FORT WORTH	TX (US)
DP	WORTH			KFWS	FORT WORTH	TX (US)
DP	KINGDOM			KNFW	FORT WORTH	TX (US)
DP	WORTH			KNFW	FORT WORTH	TX (US)
DP	KINGDOM			KGPM	GRAND PRAIRIE	TX (US)
DP	WORTH			KGPM	GRAND PRAIRIE	TX (US)
DP	KINGDOM			KLNC	LANCASTER	TX (US)
DP	WORTH			KLNC	LANCASTER	TX (US)
DP	KINGDOM			KHQZ	MESQUITE	TX (US)
DP	WORTH			KHQZ	MESQUITE	TX (US)
DP	KINGDOM			KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
DP	KINGDOM			F46	ROCKWALL	TX (US)
DP	KINGDOM			KWEA	WEATHERFORD	TX (US)
EN ROUTE	J23					(US)
EN ROUTE	V161					(US)
EN ROUTE	V17					(US)
EN ROUTE	V568					(US)
EN ROUTE	V66					(US)
IAP	LOC RWY 15			KCPT	CLEBURNE	TX (US)
IAP	RNAV (GPS) RWY 15			KCPT	CLEBURNE	TX (US)

IAP	RNAV (GPS) RWY 35		KLUD	DECATUR	TX (US)
IAP	RNAV (GPS) RWY 17		KETN	EASTLAND	TX (US)
IAP	RNAV (GPS) RWY 17		4T2	FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 35		4T2	FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 17		50F	FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 16L		KAFW	FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 16R		KAFW	FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 2		F35	GRAFORD	TX (US)
IAP	RNAV (GPS) RWY 20		F35	GRAFORD	TX (US)
IAP	RNAV (GPS) RWY 21		KRPB	GRAHAM	TX (US)
IAP	RNAV (GPS) RWY 3		KRPB	GRAHAM	TX (US)
IAP	ILS OR LOC RWY 31	1	KMWL	MINERAL WELLS	TX (US)
IAP	VOR RWY 31	1	KMWL	MINERAL WELLS	TX (US)
IAP	RNAV (GPS) RWY 31		KMWL	MINERAL WELLS	TX (US)
IAP	VOR/DME-A		KWEA	WEATHERFORD	TX (US)
STAR	MOTZA		KGKY	ARLINGTON	TX (US)
STAR	MOTZA		KCPT	CLEBURNE	TX (US)
STAR	RIICE		6R3	CLEVELAND	TX (US)
STAR	GREGS		KADS	DALLAS	TX (US)
STAR	GREGS		KDAL	DALLAS	TX (US)
STAR	GREGS		KRBD	DALLAS	TX (US)
STAR	GREGS		KTKI	DALLAS	TX (US)
STAR	BOWIE		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MOTZA		KLUD	DECATUR	TX (US)
STAR	GREGS		KDTO	DENTON	TX (US)
STAR	GREGS		F41	ENNIS	TX (US)
STAR	MOTZA		50F	FORT WORTH	TX (US)
STAR	MOTZA		KAFW	FORT WORTH	TX (US)
STAR	MOTZA		KFTW	FORT WORTH	TX (US)
STAR	MOTZA		KFWS	FORT WORTH	TX (US)
STAR	MOTZA		KNFW	FORT WORTH	TX (US)
STAR	MOTZA		KGPM	GRAND PRAIRIE	TX (US)
STAR	RIICE		KCXO	HOUSTON	TX (US)
STAR	RIICE		KDWH	HOUSTON	TX (US)
STAR	DRLLR (RNAV)		KIAH	HOUSTON	TX (US)
STAR	GUSHR (RNAV)		KIAH	HOUSTON	TX (US)
STAR	RIICE		KIAH	HOUSTON	TX (US)
STAR	GREGS		KLNC	LANCASTER	TX (US)
STAR	RIICE		T78	LIBERTY	TX (US)
STAR	GREGS		KHQZ	MESQUITE	TX (US)
STAR	GREGS		KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR	GREGS		F46	ROCKWALL	TX (US)
STAR	MOTZA		KWEA	WEATHERFORD	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

1. FIX USE, ADDED STAR MOTZA AT KCPT, KLUD, 50F, KNFW, KWEA.
2. FIX USE, ADDED STAR GREGS AT KJWY, F41, F46.
3. FIX USE, DELETED IAP AT KGKY: ILS OR LOC/DME RWY 34.
4. FIX USE, DELETED IAP AT KDFW: CONVERGING ILS RWY 36L, CONVERGING ILS 36R, ILS OR LOC RWY 18L, ILS OR LOC RWY 18R, ILS OR LOC 36L, ILS OR LOC 36R, ILS RWY 18L (SA CAT I - II), ILS RWY 18R (CAT II/III), ILS 18R (SA CAT I), AND ILS RWY 36L (SA CAT II).
5. FIX USE, DELETED IAP AT KAFW: ILS OR LOC RWY 16L, ILS RWY 16L (CAT II/III), AND ILS OR LOC RWY 34R.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 10/05/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: NAVASOTA VOR/DME STATE: TX COUNTRY: US ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 301718.70N/0960329.66W 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 NM FEET	MRA	MAA
1	NAVASOTA	TNV	VOR/DME	VH						45000

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	TNV	VOR/DME	297.95	117.95	R	1	2000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-010397)	301820.00N/0960141.00W	807	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 8E (1965).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CRIED			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	INDUSTRY			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	LEONA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	JOE POOL			KGKY	ARLINGTON	TX (US)
DP	CENTEX			KAUS	AUSTIN	TX (US)
DP	JOE POOL			KADS	DALLAS	TX (US)
DP	CURLO (RNAV)			KDAL	DALLAS	TX (US)
DP	JOE POOL			KDAL	DALLAS	TX (US)
DP	RAMBL (RNAV)			KDAL	DALLAS	TX (US)
DP	VENUS			KDAL	DALLAS	TX (US)
DP	JOE POOL			KRBD	DALLAS	TX (US)
DP	JOE POOL			KTKI	DALLAS	TX (US)
DP	DARTZ (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JOE POOL			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			KDTO	DENTON	TX (US)
DP	JOE POOL			KAFW	FORT WORTH	TX (US)
DP	JOE POOL			KFTW	FORT WORTH	TX (US)
DP	JOE POOL			KFWS	FORT WORTH	TX (US)
DP	JOE POOL			KNFW	FORT WORTH	TX (US)
DP	CRIED			KGLS	GALVESTON	TX (US)
DP	INDUSTRY			KGLS	GALVESTON	TX (US)
DP	LEONA			KGLS	GALVESTON	TX (US)
DP	JOE POOL			KGPM	GRAND PRAIRIE	TX (US)
DP	CRIED			KAXH	HOUSTON	TX (US)
DP	INDUSTRY			KAXH	HOUSTON	TX (US)
DP	LEONA			KAXH	HOUSTON	TX (US)
DP	CRIED			KCXO	HOUSTON	TX (US)
DP	INDUSTRY			KCXO	HOUSTON	TX (US)
DP	LEONA			KCXO	HOUSTON	TX (US)
DP	CRIED			KDWH	HOUSTON	TX (US)
DP	INDUSTRY			KDWH	HOUSTON	TX (US)
DP	LEONA			KDWH	HOUSTON	TX (US)
DP	CRIED			KEFD	HOUSTON	TX (US)
DP	INDUSTRY			KEFD	HOUSTON	TX (US)
DP	LEONA			KEFD	HOUSTON	TX (US)
DP	CRIED			KHOU	HOUSTON	TX (US)
DP	INDUSTRY			KHOU	HOUSTON	TX (US)
DP	LEONA			KHOU	HOUSTON	TX (US)
DP	CRIED			KIAH	HOUSTON	TX (US)
DP	INDUSTRY			KIAH	HOUSTON	TX (US)
DP	LEONA			KIAH	HOUSTON	TX (US)
DP	CRIED			KIWS	HOUSTON	TX (US)
DP	INDUSTRY			KIWS	HOUSTON	TX (US)
DP	LEONA			KIWS	HOUSTON	TX (US)
DP	CRIED			KSGR	HOUSTON	TX (US)
DP	INDUSTRY			KSGR	HOUSTON	TX (US)
DP	LEONA			KSGR	HOUSTON	TX (US)
DP	CRIED			KTME	HOUSTON	TX (US)
DP	INDUSTRY			KTME	HOUSTON	TX (US)

DP	LEONA		KTME	HOUSTON	TX (US)
DP	CRID		T41	LA PORTE	TX (US)
DP	INDUSTRY		T41	LA PORTE	TX (US)
DP	LEONA		T41	LA PORTE	TX (US)
DP	JOE POOL		KLNC	LANCASTER	TX (US)
DP	JOE POOL		KHQZ	MESQUITE	TX (US)
EN ROUTE	J87				(US)
EN ROUTE	V15				(US)
EN ROUTE	V212				(US)
EN ROUTE	V306				(US)
EN ROUTE	V571				(US)
EN ROUTE	V574				(US)
IAP	VOR OR TACAN RWY 11		KCLL	COLLEGE STATION	TX (US)
IAP	VOR RWY 29		KCLL	COLLEGE STATION	TX (US)
IAP	ILS OR LOC RWY 14		KCXO	HOUSTON	TX (US)
IAP	NDB RWY 14		KCXO	HOUSTON	TX (US)
IAP	LOC RWY 17R	1	KDWH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 26L		KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 26R		KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 33R		KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 8L		KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 9		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26L (CAT II & III)		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26L (SA CAT 1)		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26R (CAT II & III)		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26R (SA CAT 1)		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 8L (CAT II & III)		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 8L (SA CAT 1)		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 9 (SA CAT I & II)		KIAH	HOUSTON	TX (US)
IAP	VOR-D		KIWS	HOUSTON	TX (US)
IAP	VOR-A	1	60R	NAVASOTA	TX (US)
STAR	BITER		3R9	AUSTIN	TX (US)
STAR	BITER		KAUS	AUSTIN	TX (US)
STAR	BITER		KEDC	AUSTIN	TX (US)
STAR	BITER		KHYI	AUSTIN	TX (US)
STAR	RIICE		6R3	CLEVELAND	TX (US)
STAR	BITER		KGTU	GEORGETOWN	TX (US)
STAR	RIICE		KCXO	HOUSTON	TX (US)
STAR	RIICE		KDWH	HOUSTON	TX (US)
STAR	DUUUK		KIAH	HOUSTON	TX (US)
STAR	RIICE		KIAH	HOUSTON	TX (US)
STAR	BITER		KRYW	LAGO VISTA	TX (US)
STAR	RIICE		T78	LIBERTY	TX (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, 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:

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.

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: TORNN

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 313113.39N/0963052.96W

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	COWBOY	CVE	VOR/DME	VH	160.31	166.31	84.39	84.39		18000	45000
2	WACO	ACT	VORTAC	VH	093.19	102.19		39.58		6000	45000
3	NAVASOTA	TNV	VOR/DME	VH	334.40	342.40	77.42	77.42		6000	45000
4	MAVERICK	TTT	VOR/DME	VH	155.52	161.52	85.08	85.08		6000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TNV	VOR/DME	R-334	78	6000	14800
TTT	VOR/DME	R-156	86	6000	15100

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	TNV	VOR/DME	334.40	154.40	R	1		6000	45000	12	31
2	N		WP	343.37	163.37	R		10	8000	45000	15	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	WINDMILL (48-192949)	314450.20N/0964401.85W	1285	4D
2	230	WINDMILL (48-192949)	314450.20N/0964401.85W	1285	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

WACO (FAC 2) AND NAVASOTA (FAC 3) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PAT 1 MIN PAT TEMPLATE 12 DUE TO FIX DISPLACEMENT BOUNDARIES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JOE POOL	2, 3, 4	1	KGKY	ARLINGTON	TX (US)
DP	JOE POOL	2, 3, 4	1	KADS	DALLAS	TX (US)
DP	CURLO (RNAV)			KDAL	DALLAS	TX (US)
DP	JOE POOL	2, 3, 4	1	KDAL	DALLAS	TX (US)
DP	RAMBL (RNAV)			KDAL	DALLAS	TX (US)
DP	VENUS	2, 3, 4		KDAL	DALLAS	TX (US)
DP	JOE POOL	2, 3, 4	1	KRBD	DALLAS	TX (US)
DP	JOE POOL	2, 3, 4	1	KTKI	DALLAS	TX (US)
DP	DARTZ (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JOE POOL	2, 3, 4	1	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	2, 3, 4	1	KDTO	DENTON	TX (US)
DP	JOE POOL	2, 3, 4	1	KAFW	FORT WORTH	TX (US)
DP	JOE POOL	2, 3, 4	1	KFTW	FORT WORTH	TX (US)
DP	JOE POOL	2, 3, 4	1	KFWS	FORT WORTH	TX (US)
DP	JOE POOL	2, 3, 4	1	KNFW	FORT WORTH	TX (US)
DP	JOE POOL	2, 3, 4	1	KGPM	GRAND PRAIRIE	TX (US)
DP	JOE POOL	2, 3, 4	1	KLNC	LANCASTER	TX (US)
DP	JOE POOL	2, 3, 4	1	KHQZ	MESQUITE	TX (US)
EN ROUTE	J50	1, 2, 3, 4				(US)
EN ROUTE	J87	1, 2, 3, 4				(US)
STAR	RIICE	1, 2, 3	1	6R3	CLEVELAND	TX (US)
STAR	RIICE	1, 2, 3	1	KCXO	HOUSTON	TX (US)
STAR	RIICE	1, 2, 3	1	KDWH	HOUSTON	TX (US)
STAR	DRLLR (RNAV)		2	KIAH	HOUSTON	TX (US)
STAR	GUSHR (RNAV)		2	KIAH	HOUSTON	TX (US)
STAR	RIICE	1, 2, 3	1	KIAH	HOUSTON	TX (US)
STAR	RIICE	1, 2, 3	1	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: 18

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES, CHANGED FAC 1 COWBOY CVE VOR/DME CLASS FROM H TO VH.
2. FIX MAKE-UP FACILITIES, CHANGED FAC 2 WACO ACT VORTAC CLASS FROM H TO VH, CHANGED MAG BRG FROM 093.20 TO 093.19 AND TRUE BRG FROM 102.20 TO 102.19.
3. HOLDING, CHANGED PAT 1 LEG TIME FROM 1-1 1/2 TO 1, AND CHANGED MIN TEMPLATE FROM 9 TO 12.
4. CHANGED CONTROLLING OBSTRUCTION HOLDING PAT 1 AND PAT 2 FROM 1020 TOWER (48-019019) 313839.60N/0963651.90W (4D) TO 1285 WINDMILL (48-192949) 314450.20N/0964401.85W (4D)
5. FIX USE, ADDED STAR RIICE AT 6R3.
6. ADDED REMARK "HOLDING PAT 1 MIN PAT TEMPLATE 12 DUE TO FIX DISPLACEMENT BOUNDARIES."

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

NAME: MICHAEL MCCARTNEY**APPROVED BY:****DATE:** 10/05/2023**OFFICE:** AJV-A431**NAME:** ERIC N SUSKI**SIGNATURE:**