

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ARDMORE VORTAC      **STATE:** OK      **COUNTRY:** US      **ICAO REGION CODE:** K4

**LATITUDE/LONGITUDE:** 341241.71N/0971005.62W      **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	MRA FEET	MAA
1	ARDMORE	ADM	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	ADM	VORTAC	230.00	050.00	R	1		3000	6000	4	5
2	SW		WP	230.00	050.00	R		4	2600	6000	5	6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (40-000776)	340553.00N/0971055.00W	1333	5D
2	200	TOWER (40-000776)	340553.00N/0971055.00W	1333	5D

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAG VAR: 6E 1995.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
DP	LEONA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	TEXOMA			KGKY	ARLINGTON	TX (US)
DP	TEXOMA			KADS	DALLAS	TX (US)
DP	ESNYE (RNAV)			KDAL	DALLAS	TX (US)
DP	KRUMM			KDAL	DALLAS	TX (US)
DP	SWTSR (RNAV)			KDAL	DALLAS	TX (US)
DP	TEXOMA			KDAL	DALLAS	TX (US)
DP	TEXOMA			KRBD	DALLAS	TX (US)
DP	TEXOMA			KTKI	DALLAS	TX (US)
DP	JACKY			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDTO	DENTON	TX (US)
DP	TEXOMA			KAFW	FORT WORTH	TX (US)
DP	TEXOMA			KFTW	FORT WORTH	TX (US)
DP	TEXOMA			KFWS	FORT WORTH	TX (US)
DP	TEXOMA			KNFW	FORT WORTH	TX (US)
DP	LEONA			KGLS	GALVESTON	TX (US)
DP	TEXOMA			KGPM	GRAND PRAIRIE	TX (US)
DP	LEONA			KAXH	HOUSTON	TX (US)
DP	LEONA			KCXO	HOUSTON	TX (US)
DP	LEONA			KDWH	HOUSTON	TX (US)
DP	LEONA			KEFD	HOUSTON	TX (US)
DP	LEONA			KHOU	HOUSTON	TX (US)
DP	LEONA			KIAH	HOUSTON	TX (US)
DP	LEONA			KIWS	HOUSTON	TX (US)
DP	LEONA			KSGR	HOUSTON	TX (US)
DP	LEONA			KTME	HOUSTON	TX (US)
DP	LEONA			KT41	LA PORTE	TX (US)
DP	TEXOMA			KLNC	LANCASTER	TX (US)
DP	TEXOMA			KHQZ	MESQUITE	TX (US)
EN ROUTE	J21					(US)
EN ROUTE	J52					(US)
EN ROUTE	V161					(US)
EN ROUTE	V17					(US)
EN ROUTE	V507					(US)
EN ROUTE	V573					(US)
IAP	VOR RWY 18			KADH	ADA	OK (US)
IAP	RNAV (GPS) RWY 17			K1F0	ARDMORE	OK (US)
IAP	RNAV (GPS) RWY 35			K1F0	ARDMORE	OK (US)
IAP	ILS OR LOC RWY 31		1	KADM	ARDMORE	OK (US)
IAP	RNAV (GPS) RWY 13			KADM	ARDMORE	OK (US)
IAP	RNAV (GPS) RWY 31			KADM	ARDMORE	OK (US)
IAP	VOR-B			KADM	ARDMORE	OK (US)
IAP	RNAV (GPS) RWY 17			KDUC	DUNCAN	OK (US)
IAP	RNAV (GPS) RWY 35			KDUC	DUNCAN	OK (US)
IAP	RNAV (GPS) RWY 18		2	K1F4	MADILL	OK (US)

IAP	VOR/DME-A	K1F4	MADILL	OK (US)
IAP	RNAV (GPS) RWY 18	KGLE	GAINESVILLE	TX (US)
IAP	RNAV (GPS) RWY 16	KSWI	SHERMAN	TX (US)
IAP	RNAV (GPS) RWY 17L	KGYI	SHERMAN/DENISON	TX (US)
STAR	MOTZA	KGKY	ARLINGTON	TX (US)
STAR	SASIE	KGKY	ARLINGTON	TX (US)
STAR	SASIE	KCPT	CLEBURNE	TX (US)
STAR	FINGR	KADS	DALLAS	TX (US)
STAR	GREGS	KADS	DALLAS	TX (US)
STAR	SASIE	KADS	DALLAS	TX (US)
STAR	BOWIE	KDAL	DALLAS	TX (US)
STAR	FINGR	KDAL	DALLAS	TX (US)
STAR	GREGS	KDAL	DALLAS	TX (US)
STAR	FINGR	KRBD	DALLAS	TX (US)
STAR	GREGS	KRBD	DALLAS	TX (US)
STAR	GREGS	KTKI	DALLAS	TX (US)
STAR	BONHAM	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	BOWIE	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	WILBR	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	SASIE	KLUD	DECATUR	TX (US)
STAR	GREGS	KDTO	DENTON	TX (US)
STAR	SASIE	KDTO	DENTON	TX (US)
STAR	SASIE	K50F	FORT WORTH	TX (US)
STAR	MOTZA	KAFW	FORT WORTH	TX (US)
STAR	SASIE	KAFW	FORT WORTH	TX (US)
STAR	MOTZA	KFTW	FORT WORTH	TX (US)
STAR	SASIE	KFTW	FORT WORTH	TX (US)
STAR	MOTZA	KFWS	FORT WORTH	TX (US)
STAR	SASIE	KFWS	FORT WORTH	TX (US)
STAR	MOTZA	KNFW	FORT WORTH	TX (US)
STAR	SASIE	KNFW	FORT WORTH	TX (US)
STAR	MOTZA	KGPM	GRAND PRAIRIE	TX (US)
STAR	SASIE	KGPM	GRAND PRAIRIE	TX (US)
STAR	FINGR	KLNC	LANCASTER	TX (US)
STAR	GREGS	KLNC	LANCASTER	TX (US)
STAR	FINGR	KHQZ	MESQUITE	TX (US)
STAR	GREGS	KHQZ	MESQUITE	TX (US)
STAR	SASIE	KWEA	WEATHERFORD	TX (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 27

**DATE OF REVISION:** 02/01/2018

**REASON FOR REVISION:**

REMOVED CANCELED IAP VOR RWY 35 KDUC FROM FIX USE.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	<b>DATE:</b> 08/10/2017	<b>OFFICE:</b> AJV-5423	<b>NAME:</b> LEO PALMER
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-5420	<b>NAME:</b> JULIE MORGAN

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: CEN  
ARTCC: ZFW  
ATC FACILITY:  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: BARTLESVILLE VOR/DME STATE: OK COUNTRY: US ICAO REGION CODE: K4  
 LATITUDE/LONGITUDE: 365003.61N/0960106.35W 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	MRA FEET	MAA
1	BARTLESVILLE	BVO	VOR/DME	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	N	BVO	VOR/DME	347.00	167.00	R	1	2500 6000	4 5
2	N	BVO	VOR/DME	346.00	166.00	R	1	3100 6000	4 5

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	364755.00N/0960523.00W	1219	2C
1	310	TOWER (40-001175)	364523.00N/0960930.00W	1387	1A
2	200	AAO	364755.00N/0960523.00W	1219	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LOC RWY 17	KBVO	BARTLESVILLE	OK (US)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
 ASSIGNED FACILITY MAG VAR: E8/1965.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRING			KASG	SPRINGDALE	AR (US)
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
EN ROUTE	Q148					(US)
EN ROUTE	V190					(US)
IAP	ILS OR LOC RWY 35			KIDP	INDEPENDENCE	KS (US)
IAP	RNAV (GPS) RWY 35			KIDP	INDEPENDENCE	KS (US)
IAP	VOR-A		2	KIDP	INDEPENDENCE	KS (US)
IAP	LOC RWY 17		1	KBVO	BARTLESVILLE	OK (US)
IAP	RNAV (GPS) RWY 17			KBVO	BARTLESVILLE	OK (US)
IAP	RNAV (GPS) RWY 35			KBVO	BARTLESVILLE	OK (US)
IAP	VOR/DME RWY 35		1	KBVO	BARTLESVILLE	OK (US)
IAP	VOR/DME - A			KOWP	SAND SPRINGS	OK (US)
STAR	VINTA			KRVS	TULSA	OK (US)
STAR	VINTA			KTUL	TULSA	OK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 DATE OF REVISION: 12/07/2017

## REASON FOR REVISION:

REMOVED KBVO VOR RWY 17 FROM FIX USE.  
 ADDED KRVS STAR VINTA TO FIX USE.  
 ADDED REMARK "ASSIGNED FACILITY MAG VAR: E8/1965".

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 06/21/2017	OFFICE: AJV-5433	NAME: BEV L BORDY (CHRISTINE BAYSE)
APPROVED BY:	DATE:	OFFICE: AJV-5430	NAME: PATRICK MULQUEEN

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO: CEN**  
**ARTCC: ZKC**  
**ATC FACILITY:**  
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** FARMINGTON VORTAC      **STATE:** MO      **COUNTRY:** US      **ICAO REGION CODE:** K3  
**LATITUDE/LONGITUDE:** 374024.46N/0901402.61W      **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	MRA FEET	MAA
1	FARMINGTON	FAM	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	SE	FAM	VORTAC	119.00	299.00	R	1	3000 6000	4 5
2	NE	FAM	VORTAC	032.00	212.00	R	1	3000 6000	4 5

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	374245.90N/0901456.90W	1460	6A
2	200	AAO	374245.90N/0901456.90W	1460	6A

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

PRECIPITOUS TERRIAN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAGVAR 1E/1995.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KPCS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
DP	MEMPHIS			KMEM	MEMPHIS	TN (US)
EN ROUTE	J112					(US)
EN ROUTE	J137					(US)
EN ROUTE	J151					(US)
EN ROUTE	J35					(US)
EN ROUTE	J78					(US)
EN ROUTE	J98					(US)
EN ROUTE	T251					(US)
EN ROUTE	V178					(US)
EN ROUTE	V190					(US)
EN ROUTE	V540					(US)
EN ROUTE	V69					(US)
EN ROUTE	V72					(US)
EN ROUTE	V9					(US)
IAP	ILS OR LOC RWY 30L			KPCS	CAHOKIA/ST LOUIS	IL (US)
IAP	ILS OR LOC RWY 10			KCGI	CAPE GIRARDEAU	MO (US)
IAP	NDB RWY 02			KFAM	FARMINGTON	MO (US)
IAP	NDB RWY 20			KFAM	FARMINGTON	MO (US)
IAP	RNAV (GPS) RWY 2			KFAM	FARMINGTON	MO (US)
IAP	RNAV (GPS) RWY 20			KFAM	FARMINGTON	MO (US)
IAP	VOR/DME OR GPS-A		1	KFAM	FARMINGTON	MO (US)
IAP	VOR RWY 19		2	KH88	FREDERICKTOWN	MO (US)
IAP	VOR/DME RWY 01		2	KH88	FREDERICKTOWN	MO (US)
IAP	RNAV (GPS) RWY 2			KK02	PERRYVILLE	MO (US)
IAP	VOR/DME-A			KK02	PERRYVILLE	MO (US)
STAR	QBALL			KSTL	ST LOUIS	MO (US)
STAR	BEERT (RNAV)			KMEM	MEMPHIS	TN (US)
STAR	GILMORE			KMEM	MEMPHIS	TN (US)
STAR	HEHAW			KBNA	NASHVILLE	TN (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 11

**DATE OF REVISION:** 11/08/2018

**REASON FOR REVISION:**

REMOVED FROM FIX USE: CARD DP USED AT KALN, KSUS, KPCS, KSTL.  
 ADDED ASSIGNED FACILITY MAGVAR 1E/1995 TO REMARKS.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-5400	<b>NAME:</b> LONNIE EVERHART
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-5400	<b>NAME:</b> LONNIE EVERHART
	<b>SIGNATURE:</b>		
<b>DISTRIBUTION:</b>	NFDC FPO: CEN ARTCC: ZKC ATC FACILITY: OTHER:		

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** FORT SMITH VORTAC      **STATE:** AR      **COUNTRY:** US      **ICAO REGION CODE:** K4

**LATITUDE/LONGITUDE:** 352318.30N/0941617.49W      **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	MRA	MAA
1	FORT SMITH	FSM	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	FSM	VORTAC	046.00	226.00	R	1	2100 8000	4 8

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	353112.00N/0941018.00W	1086	4E

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAG VAR: E07/1970.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
DP	TAKEOFF MINIMUMS			K7M5	OZARK	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRING			KASG	SPRINGDALE	AR (US)
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
EN ROUTE	V13					(US)
EN ROUTE	Q23					AR (US)
EN ROUTE	Q27					AR (US)
EN ROUTE	V272					AR (US)
EN ROUTE	V289					AR (US)
EN ROUTE	V303					AR (US)
EN ROUTE	V532					AR (US)
EN ROUTE	V534					AR (US)
EN ROUTE	V74					AR (US)
IAP	LDA RWY 34			KFYV	FAYETTEVILLE	AR (US)
IAP	LOC RWY 16			KFYV	FAYETTEVILLE	AR (US)
IAP	HI ILS OR LOC RWY 25			KFSM	FORT SMITH	AR (US)
IAP	HI VOR/DME OR TACAN RWY 07			KFSM	FORT SMITH	AR (US)
IAP	HI VOR/DME OR TACAN RWY 25			KFSM	FORT SMITH	AR (US)
IAP	ILS OR LOC RWY 07		1	KFSM	FORT SMITH	AR (US)
IAP	ILS OR LOC RWY 25			KFSM	FORT SMITH	AR (US)
IAP	NDB RWY 25			KFSM	FORT SMITH	AR (US)
IAP	VOR OR TACAN RWY 25			KFSM	FORT SMITH	AR (US)
IAP	VOR/DME OR TACAN RWY 07		1	KFSM	FORT SMITH	AR (US)
IAP	VOR/DME-A		1	K7M5	OZARK	AR (US)
IAP	ILS OR LOC RWY 18			KASG	SPRINGDALE	AR (US)
IAP	VOR/DME-A		1	KRKR	POTEAU	OK (US)
IAP	RNAV (GPS) RWY 17			KGZL	STIGLER	OK (US)
IAP	RNAV (GPS) RWY 35			KGZL	STIGLER	OK (US)
OTHER	PITCH/CATCH POINT			KDFW	DALLAS-FORT WORTH	TX (US)
STAR	BRBBQ (RNAV)			KMEM	MEMPHIS	TN (US)
STAR	SASIE			KGKY	ARLINGTON	TX (US)
STAR	SASIE			KCPT	CLEBURNE	TX (US)
STAR	FINGR			KADS	DALLAS	TX (US)
STAR	SASIE			KADS	DALLAS	TX (US)
STAR	FINGR			KDAL	DALLAS	TX (US)
STAR	FINGR			KRBD	DALLAS	TX (US)
STAR	FINGR			KTKI	DALLAS	TX (US)
STAR	FINGR			KDFW	DALLAS-FORT WORTH	TX (US)
STAR	WILBR			KDFW	DALLAS-FORT WORTH	TX (US)
STAR	SASIE			KLUD	DECATUR	TX (US)
STAR	SASIE			KDTO	DENTON	TX (US)
STAR	FINGR			KF41	ENNIS	TX (US)
STAR	SASIE			K50F	FORT WORTH	TX (US)
STAR	SASIE			KAFW	FORT WORTH	TX (US)
STAR	SASIE			KFTW	FORT WORTH	TX (US)
STAR	SASIE			KFWS	FORT WORTH	TX (US)
STAR	SASIE			KNFW	FORT WORTH	TX (US)

STAR	SASIE	KGPM	GRAND PRAIRIE	TX (US)
STAR	FINGR	KLNC	LANCASTER	TX (US)
STAR	FINGR	KHQZ	MESQUITE	TX (US)
STAR	FINGR	KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR	FINGR	KF46	ROCKWALL	TX (US)
STAR	SASIE	KWEA	WEATHERFORD	TX (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 20

**DATE OF REVISION:** 09/13/2018

**REASON FOR REVISION:**

1. CHANGED V303-532 EN ROUTE TO READ V303 EN ROUTE IN FIX USE SECTION.
2. CHANGED LDA/DME RWY 34 IAP @ KFYV TO READ LDA RWY 34 IAP @ KFYV IN FIX USE SECTION.
3. REMOVED VOR/DME-B IAP @ KFYV FROM FIX USE SECTION.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	<b>DATE:</b> 03/16/2018	<b>OFFICE:</b> AJV-5423	<b>NAME:</b> MICHAEL GARRITY
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-5420	<b>NAME:</b> JULIE MORGAN

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
 FPO: CEN  
 ARTCC: ZME  
 ATC FACILITY: RZC APP CON  
 OTHER: MEM APP CON



# RADIO FIX AND HOLDING DATA RECORD

NAME: KINGFISHER VORTAC      STATE: OK      COUNTRY: US      ICAO REGION CODE: K4  
 LATITUDE/LONGITUDE: 354818.96N/0980014.10W      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	MRA	MAA
1	KINGFISHER	IFI	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	NE	IFI	VORTAC	063.27	243.27	L	1		3300	6000	4	5
2	NE		WP	067.27	247.27	L		4	3100	6000	5	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (40-028813)	354442.89N/0975635.28W	1589	5D
2	200	WINDMILL (40-028785)	354348.61N/0975621.91W	1610	5D

## REASON FOR NONSTANDARD HOLDING:

PAT 1 REMAIN IN ZFW AIRSPACE  
 PAT 2 REMAIN IN ZFW AIRSPACE

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 MAGVAR = E09/1965.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JAYHAWKE			KEND	ENID	OK (US)
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
EN ROUTE	J8					(US)
EN ROUTE	V140					(US)
IAP	RNAV (GPS) RWY 17			KRQO	EL RENO	OK (US)
IAP	VOR/DME RWY 35			KRQO	EL RENO	OK (US)
IAP	ILS OR LOC Y RWY 35C			KEND	ENID	OK (US)
IAP	ILS OR LOC Z RWY 35C			KEND	ENID	OK (US)
IAP	VOR/DME OR TACAN RWY 35C			KEND	ENID	OK (US)
IAP	VOR/DME OR TACAN RWY 35L			KEND	ENID	OK (US)
IAP	ILS OR LOC RWY 35			KWDG	ENID	OK (US)
IAP	RNAV (GPS) RWY 17			KWDG	ENID	OK (US)
IAP	RNAV (GPS) RWY 35			KWDG	ENID	OK (US)
IAP	VOR RWY 17			KWDG	ENID	OK (US)
IAP	VOR RWY 35			KWDG	ENID	OK (US)
IAP	VOR RWY 18			KHSD	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17L			KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17R			KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 35L			KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 35R			KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS RWY 35R (CAT II)			KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS RWY 35R (SA CAT I)			KOKC	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) RWY 13			KOKC	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) Y RWY 17L			KOKC	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) Y RWY 17R			KOKC	OKLAHOMA CITY	OK (US)
IAP	RNAV TST LP A RWY 17R (FLIGHT CHECK ONLY)			KOKC	OKLAHOMA CITY	OK (US)
IAP	RNAV TST LP B RWY 17R (FLIGHT CHECK ONLY)			KOKC	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 17L			KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17L			KPWA	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 35R		1	KPWA	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) RWY 17L		2	KPWA	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) RWY 17R		2	KPWA	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) RWY 35L		2	KPWA	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) RWY 35R		2	KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 17L			KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 35R			KPWA	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) RWY 17			KJWG	WATONGA	OK (US)
IAP	VOR/DME-A			KJWG	WATONGA	OK (US)
STAR	GULLI			KCHK	CHICKASHA	OK (US)
STAR	GULLI			KRQO	EL RENO	OK (US)
STAR	GULLI			K1K4	GOLDSBY	OK (US)

STAR	GULLI	KGOK	GUTHRIE	OK (US)
STAR	GULLI	KOUN	NORMAN	OK (US)
STAR	GULLI	KHSD	OKLAHOMA CITY	OK (US)
STAR	GULLI	KOKC	OKLAHOMA CITY	OK (US)
STAR	GULLI	KPWA	OKLAHOMA CITY	OK (US)
STAR	GULLI	KRCE	OKLAHOMA CITY	OK (US)
STAR	GULLI	KTIK	OKLAHOMA CITY	OK (US)
STAR	GULLI	KSNL	SHAWNEE	OK (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 13

**DATE OF REVISION:** 10/11/2018

**REASON FOR REVISION:**

UPDATED FIX USE: (KHSD) CHANGED VOR RWY 17 TO VOR RWY 18.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	<b>DATE:</b> 07/09/2018	<b>OFFICE:</b> AJV-5421	<b>NAME:</b> CHRIS O'BRIEN
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-5420	<b>NAME:</b> JULIE MORGAN

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: CEN  
ARTCC: ZFW  
ATC FACILITY: OKC APP CON  
OTHER: PWA ATCT

# RADIO FIX AND HOLDING DATA RECORD

NAME: MC ALESTER VORTAC      STATE: OK      COUNTRY: US      ICAO REGION CODE: K4  
 LATITUDE/LONGITUDE: 345057.99N/0954656.44W      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	MRA FEET	MAA
1	MC ALESTER	MLC	VORTAC	L						45000

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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	S	MLC	VORTAC	164.00	344.00	L	1		2700	6000	4	5

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	344603.00N/0954915.00W	1218	4E
1	310	AAO	343748.00N/0954115.00W	1611	4E

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.  
 PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER RIVERS MOA.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR RWY 20	KMLC	MC ALESTER	OK (US)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAG VAR: E08/1965.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRING			KASG	SPRINGDALE	AR (US)
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
DP	TEXOMA			KGKY	ARLINGTON	TX (US)
DP	TEXOMA			KADS	DALLAS	TX (US)
DP	ESNYE (RNAV)			KDAL	DALLAS	TX (US)
DP	KRUMM			KDAL	DALLAS	TX (US)
DP	SWTSR (RNAV)			KDAL	DALLAS	TX (US)
DP	TEXOMA			KDAL	DALLAS	TX (US)
DP	TEXOMA			KRBD	DALLAS	TX (US)
DP	TEXOMA			KTKI	DALLAS	TX (US)
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TRI-GATE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDTO	DENTON	TX (US)
DP	TEXOMA			KAFW	FORT WORTH	TX (US)
DP	TEXOMA			KFTW	FORT WORTH	TX (US)
DP	TEXOMA			KFWS	FORT WORTH	TX (US)
DP	TEXOMA			KNFW	FORT WORTH	TX (US)
DP	TEXOMA			KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA			KLNC	LANCASTER	TX (US)
DP	TEXOMA			KHQZ	MESQUITE	TX (US)
EN ROUTE	J105					(US)
EN ROUTE	V15					(US)
EN ROUTE	V272					(US)
EN ROUTE	V583					(US)
EN ROUTE	V63					(US)
IAP	VOR RWY 18			KADH	ADA	OK (US)
IAP	NDB RWY 36			KF10	HENRYETTA	OK (US)
IAP	RNAV (GPS) RWY 17			KHHW	HUGO	OK (US)
IAP	RNAV (GPS) RWY 2			KMLC	MC ALESTER	OK (US)
IAP	RNAV (GPS) RWY 20			KMLC	MC ALESTER	OK (US)
IAP	VOR RWY 20		1	KMLC	MC ALESTER	OK (US)
IAP	RNAV (GPS) RWY 35			KGZL	STIGLER	OK (US)
STAR	SASIE			KGKY	ARLINGTON	TX (US)
STAR	SASIE			KCPT	CLEBURNE	TX (US)
STAR	FINGR			KADS	DALLAS	TX (US)
STAR	SASIE			KADS	DALLAS	TX (US)
STAR	FINGR			KDAL	DALLAS	TX (US)
STAR	FINGR			KRBD	DALLAS	TX (US)

STAR	FINGR	KTKI	DALLAS	TX (US)
STAR	FINGR	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	WILBR	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	SASIE	KLUD	DECATUR	TX (US)
STAR	SASIE	KDTO	DENTON	TX (US)
STAR	FINGR	KF41	ENNIS	TX (US)
STAR	SASIE	K50F	FORT WORTH	TX (US)
STAR	SASIE	KAFW	FORT WORTH	TX (US)
STAR	SASIE	KFTW	FORT WORTH	TX (US)
STAR	SASIE	KFWS	FORT WORTH	TX (US)
STAR	SASIE	KNFW	FORT WORTH	TX (US)
STAR	SASIE	KGPM	GRAND PRAIRIE	TX (US)
STAR	FINGR	KLNC	LANCASTER	TX (US)
STAR	FINGR	KHQZ	MESQUITE	TX (US)
STAR	FINGR	KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR	FINGR	KF46	ROCKWALL	TX (US)
STAR	SASIE	KWEA	WEATHERFORD	TX (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 17

**DATE OF REVISION:** 11/08/2018

**REASON FOR REVISION:**

UPDATED FIX USE TO REMOVE KMLC LOC RWY 2

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-5400

**NAME:** LONNIE EVERHART

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-5400

**NAME:** LONNIE EVERHART

**SIGNATURE:**

**DISTRIBUTION:**

NFDC  
FPO: CEN  
ARTCC: ZFW  
ATC FACILITY:  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: NEOSHO VOR/DME STATE: MO COUNTRY: US ICAO REGION CODE: K3  
 LATITUDE/LONGITUDE: 365032.81N/0942608.52W 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	NEOSHO	EOS	VOR/DME	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	NW	EOS	VOR/DME	303.00	123.00	R	1	2800 6000	4 5
2	NE	EOS	VOR/DME	052.00	232.00	R	1	2800 6000	4 5
3	NW	EOS	VOR/DME	305.00	125.00	R	1	2800 6000	4 5

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-000309)	365233.00N/0942311.00W	1718	4D
2	200	TOWER (29-000309)	365233.00N/0942311.00W	1718	4D
3	200	TOWER (29-000309)	365233.00N/0942311.00W	1718	4D
UPN	200	TOWER (29-000309)	365233.00N/0942311.00W	1718	4D

## HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2800.

## REMARKS:

PRECIPITOUS TERRAIN EVALUTION COMPLETED.  
 ASSIGNED FACILITY MAGVAR: 7 DEGREES EAST

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRING			KASG	SPRINGDALE	AR (US)
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
EN ROUTE	J181					(US)
EN ROUTE	V13					(US)
EN ROUTE	V14					(US)
EN ROUTE	V15					(US)
EN ROUTE	V307					(US)
EN ROUTE	V506					(US)
IAP	RNAV (GPS) RWY 13			K5M5	DECATUR	AR (US)
IAP	ILS OR LOC RWY 34			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
IAP	ILS OR LOC RWY 20			KROG	ROGERS	AR (US)
IAP	VOR RWY 02			KROG	ROGERS	AR (US)
IAP	RNAV (GPS) RWY 18			KSLG	SILAM SPRINGS	AR (US)
IAP	VOR RWY 9		1	K94K	CASSVILLE	MO (US)
IAP	ILS OR LOC/DME RWY 18			KJLN	JOPLIN	MO (US)
IAP	ILS OR LOC/NDB RWY 13			KJLN	JOPLIN	MO (US)
IAP	LOC BC RWY 31			KJLN	JOPLIN	MO (US)
IAP	RNAV (GPS) RWY 31			KJLN	JOPLIN	MO (US)
IAP	VOR-A		3	KEOS	NEOSHO	MO (US)
IAP	VOR/DME-A		2	KGMJ	GROVE	OK (US)
STAR	VINTA			KRVS	TULSA	OK (US)
STAR	VINTA			KTUL	TULSA	OK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17 DATE OF REVISION: 07/19/2018

## REASON FOR REVISION:

1. REMOVED VOR-A, KSLG FROM FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:  
 DEVELOPED BY: DATE: 03/20/2018 OFFICE: AJV-5422 NAME: JIMMY HUGHES

**APPROVED BY:****DATE:****OFFICE:** AJV-5420**NAME:** JULIE MORGAN**SIGNATURE:****DISTRIBUTION:****NFDC****FPO:** CEN**ARTCC:** ZKC**ATC FACILITY:** ZKC, SGF APP/DEP CON**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** RAZORBACK VORTAC      **STATE:** AR      **COUNTRY:** US      **ICAO REGION CODE:** K4

**LATITUDE/LONGITUDE:** 361447.14N/0940717.01W      **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	MRA	MAA
1	RAZORBACK	RZC	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	N	RZC	VORTAC	354.00	174.00	L	1	3000 14000	4 10
2	S	RZC	VORTAC	180.00	360.00	R	1	3000 14000	4 10
3	SE	RZC	VORTAC	137.29	317.29	R	1	3100 14000	4 10

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	361236.00N/0940618.00W	1870	4E
2	200	AAO	361236.00N/0940618.00W	1870	4E
3	200	TOWER (05-001326)	360739.00N/0935923.00W	2010	1A

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 ATC REQUESTED

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAGVAR: 4 DEGREES EAST.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRING			KASG	SPRINGDALE	AR (US)
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
EN ROUTE	J105					(US)
EN ROUTE	J182					(US)
EN ROUTE	Q21					(US)
EN ROUTE	Q23					(US)
EN ROUTE	Q36					(US)
EN ROUTE	V13					(US)
EN ROUTE	V140					(US)
EN ROUTE	V527					(US)
EN ROUTE	V63					(US)
EN ROUTE	V72					(US)
IAP	VOR-A		3	KVBT	BENTONVILLE	AR (US)
IAP	RNAV (GPS) RWY 13			K5M5	DECATUR	AR (US)
IAP	VOR/DME RWY 13			K5M5	DECATUR	AR (US)
IAP	LDA/DME RWY 34			KFYV	FAYETTEVILLE	AR (US)
IAP	LOC RWY 16			KFYV	FAYETTEVILLE	AR (US)
IAP	RNAV (GPS) RWY 16			KFYV	FAYETTEVILLE	AR (US)
IAP	ILS OR LOC RWY 16			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
IAP	ILS OR LOC RWY 34			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
IAP	VOR/DME RWY 12			KH34	HUNTSVILLE	AR (US)
IAP	ILS OR LOC RWY 20			KROG	ROGERS	AR (US)
IAP	VOR RWY 02		2	KROG	ROGERS	AR (US)
IAP	RNAV (GPS) RWY 18			KSLG	SILOAM SPRINGS	AR (US)
IAP	RNAV (GPS) RWY 36			KSLG	SILOAM SPRINGS	AR (US)
IAP	ILS OR LOC RWY 18			KASG	SPRINGDALE	AR (US)
IAP	RNAV (GPS) RWY 18			KASG	SPRINGDALE	AR (US)
IAP	RNAV (GPS) RWY 36			KASG	SPRINGDALE	AR (US)
IAP	VOR/DME RWY 36		1	KASG	SPRINGDALE	AR (US)
IAP	VOR RWY 9			K94K	CASSVILLE	MO (US)
STAR	BRBBQ (RNAV)			KMEM	MEMPHIS	TN (US)
STAR	DAWGG			KMEM	MEMPHIS	TN (US)

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

**COMPULSORY REPORTING POINT: NO****RECORD REVISION NUMBER: 26****DATE OF REVISION: 07/19/2018****REASON FOR REVISION:**

1. REMOVED VOR-A, KSLG FROM FIX USE.

**INITIATED BY:****DATE:****ORGANIZATION:****NAME:****DEVELOPED BY:****DATE:** 03/13/2018**OFFICE:** AJV-5422**NAME:** JIMMY HUGHES**APPROVED BY:****DATE:****OFFICE:** AJV-5420**NAME:** JULIE MORGAN**SIGNATURE:****DISTRIBUTION:****NFDC****FPO:** CEN**ARTCC:** ZME**ATC FACILITY:** RZC APCH**OTHER:** ST AV DIR, EST FPO



# RADIO FIX AND HOLDING DATA RECORD

NAME: SPRINGFIELD VORTAC      STATE: MO      COUNTRY: US      ICAO REGION CODE: K3  
 LATITUDE/LONGITUDE: 372121.41N/0932002.55W      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	SPRINGFIELD	SGF	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	N	SGF	VORTAC	016.00	196.00		1		2900	17500	4	16
2	SE		WP	156.02	336.02	R		5	3000	17500	4	16

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-001455)	372552.00N/0931605.00W	1670	3C
2	200	TOWER (29-000186)	371324.78N/0931430.50W	1983	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAGVAR: E4 1990.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/R	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRING			KASG	SPRINGDALE	AR (US)
DP	RACER			KFLV	FORT LEAVENWORTH	KS (US)
DP	RACER			KIXD	OLATHE	KS (US)
DP	RACER			KOJC	OLATHE	KS (US)
DP	RACER			KMCI	KANSAS CITY	MO (US)
DP	RACER			KMKC	KANSAS CITY	MO (US)
DP	RACER			KLXT	LEE'S SUMMIT	MO (US)
DP	RACER			KGPH	MOSBY	MO (US)
DP	RACER			KSTJ	ST JOSEPH	MO (US)
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
EN ROUTE	J105					(US)
EN ROUTE	J41					(US)
EN ROUTE	J8					(US)
EN ROUTE	J98					(US)
EN ROUTE	V132					(US)
EN ROUTE	V14					(US)
EN ROUTE	V159					(US)
EN ROUTE	V190					(US)
EN ROUTE	V506					(US)
EN ROUTE	V527					(US)
EN ROUTE	V63					(US)
EN ROUTE	V71					(US)
EN ROUTE	V88					(US)
IAP	VOR/DME-A	1		K2H2	AURORA	MO (US)
IAP	RNAV (GPS) RWY 18		2	KM17	BOLIVAR	MO (US)
IAP	RNAV (GPS) RWY 36		2	KM17	BOLIVAR	MO (US)
IAP	VOR/DME RWY 36			KM17	BOLIVAR	MO (US)
IAP	VOR-A			KOZS	CAMDENTON	MO (US)
IAP	LOC/DME RWY 22			KAIZ	KAISER/LAKE OZARK	MO (US)
IAP	VOR RWY 4			KAIZ	KAISER/LAKE OZARK	MO (US)
IAP	VOR RWY 32			KK15	OSAGE BEACH	MO (US)
IAP	HI-TACAN RWY 20			KSGF	SPRINGFIELD	MO (US)
IAP	ILS OR LOC RWY 14		1	KSGF	SPRINGFIELD	MO (US)
IAP	ILS OR LOC RWY 2		1	KSGF	SPRINGFIELD	MO (US)
IAP	RNAV (GPS) RWY 14	1		KSGF	SPRINGFIELD	MO (US)
IAP	VOR OR TACAN RWY 20			KSGF	SPRINGFIELD	MO (US)
IAP	VOR/DME OR TACAN RWY 2		1	KSGF	SPRINGFIELD	MO (US)
IAP	VOR/DME-A			KMO3	STOCKTON	MO (US)
STAR	TYGER			KFLV	FORT LEAVENWORTH	KS (US)
STAR	TYGER			KIXD	OLATHE	KS (US)
STAR	TYGER			KOJC	OLATHE	KS (US)
STAR	TYGER			KMCI	KANSAS CITY	MO (US)
STAR	TYGER			KMKC	KANSAS CITY	MO (US)
STAR	TYGER			KLXT	LEES SUMMIT	MO (US)

STAR	TYGER	KGPH	MOSBY	MO (US)
STAR	TYGER	KSTJ	ST JOSEPH	MO (US)
STAR	KAYLA (RNAV)	KSTL	ST LOUIS	MO (US)
STAR	KOOOP	KSTL	ST LOUIS	MO (US)
STAR	GULLI	KCHK	CHICKASHA	OK (US)
STAR	GULLI	KRQO	EL RENO	OK (US)
STAR	GULLI	K1K4	GOLDSBY	OK (US)
STAR	GULLI	KGOK	GUTHRIE	OK (US)
STAR	GULLI	KOUN	NORMAN	OK (US)
STAR	GULLI	KHSD	OKLAHOMA CITY	OK (US)
STAR	GULLI	KOKC	OKLAHOMA CITY	OK (US)
STAR	GULLI	KPWA	OKLAHOMA CITY	OK (US)
STAR	GULLI	KRCE	OKLAHOMA CITY	OK (US)
STAR	GULLI	KTIK	OKLAHOMA CITY	OK (US)
STAR	GULLI	KSNL	SHAWNEE	OK (US)
STAR	VINTA	KRVS	TULSA	OK (US)
STAR	VINTA	KTUL	TULSA	OK (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 20

**DATE OF REVISION:** 02/01/2018

**REASON FOR REVISION:**

ADDED STAR TYGER AT KMKC, KLXT, KOJC, KIXD, KGPH, KFLV AND KSTJ TO FIX USE.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	<b>DATE:</b> 08/03/2017	<b>OFFICE:</b> AJV-5433	<b>NAME:</b> BEV L BORDY (CHRISTINE BAYSE)
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-5430	<b>NAME:</b> PATRICK MULQUEEN

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: CEN  
ARTCC: ZKC  
ATC FACILITY: MIZZU APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: TULSA VORTAC

STATE: OK

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 361146.51N/0954717.13W

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	MRA	MAA
1	TULSA	TUL	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	N	TUL	VORTAC	007.00	187.00	R	1-1 1/2	3000 45000	4 29
2	E	TUL	VORTAC	081.00	261.00	R	1-1 1/2	2400 17500	4 16
3	E	TUL	VORTAC	080.00	260.00	R	1-1 1/2	2400 15000	4 15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (40-001734)	362002.81N/0954709.50W	1340	2C
2	200	TOWER (40-000147)	360847.60N/0954827.10W	1234	4D
2	310	TOWER (40-001734)	362002.81N/0954709.50W	1340	2C
3	200	TOWER (40-000147)	360847.60N/0954827.10W	1234	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 18L	KTUL	TULSA	OK (US)

REMARKS:

CHART PAT 1 ONLY ON LOW AND HIGH ENROUTE CHARTS  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAG VAR: E08/1970.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRING			KASG	SPRINGDALE	AR (US)
DP	TULSA		3	KRVS	TULSA	OK (US)
DP	TULSA		3	KTUL	TULSA	OK (US)
DP	LEONA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	TEXOMA			KGKY	ARLINGTON	TX (US)
DP	TEXOMA			KADS	DALLAS	TX (US)
DP	ESNYE (RNAV)			KDAL	DALLAS	TX (US)
DP	KRUMM			KDAL	DALLAS	TX (US)
DP	SWTSR (RNAV)			KDAL	DALLAS	TX (US)
DP	TEXOMA			KDAL	DALLAS	TX (US)
DP	TEXOMA			KRBD	DALLAS	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JACKY			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDTO	DENTON	TX (US)
DP	TEXOMA			KAFW	FORT WORTH	TX (US)
DP	TEXOMA			KFTW	FORT WORTH	TX (US)
DP	TEXOMA			KFWs	FORT WORTH	TX (US)
DP	TEXOMA			KNFW	FORT WORTH	TX (US)
DP	LEONA			KGLS	GALVESTON	TX (US)
DP	TEXOMA			KGPM	GRAND PRAIRIE	TX (US)
DP	LEONA			KAXH	HOUSTON	TX (US)
DP	LEONA			KCXO	HOUSTON	TX (US)
DP	LEONA			KDWH	HOUSTON	TX (US)
DP	LEONA			KEFD	HOUSTON	TX (US)
DP	LEONA			KHOU	HOUSTON	TX (US)
DP	LEONA			KIAH	HOUSTON	TX (US)
DP	LEONA			KIWS	HOUSTON	TX (US)
DP	LEONA			KSGR	HOUSTON	TX (US)
DP	LEONA			KTME	HOUSTON	TX (US)
DP	LEONA			KT41	LA PORTE	TX (US)
DP	TEXOMA			KLNC	LANCASTER	TX (US)
DP	TEXOMA			KTKI	MC KINNEY	TX (US)
DP	TEXOMA			KHQZ	MESQUITE	TX (US)
EN ROUTE	V256					(US)
EN ROUTE	V506					(US)

EN ROUTE	V73				(US)
EN ROUTE	V88				(US)
EN ROUTE	J25				OK (US)
EN ROUTE	J46				OK (US)
EN ROUTE	J78				OK (US)
EN ROUTE	J87				OK (US)
EN ROUTE	J98				OK (US)
EN ROUTE	V131				OK (US)
EN ROUTE	V14				OK (US)
EN ROUTE	V140				OK (US)
EN ROUTE	V161				OK (US)
EN ROUTE	V436				OK (US)
EN ROUTE	V74				OK (US)
IAP	VOR/DME RWY 35		KBVO	BARTLESVILLE	OK (US)
IAP	VOR/DME-B	2	KGCM	CLAREMORE	OK (US)
IAP	RNAV (GPS) RWY 36		KH71	PRYOR	OK (US)
IAP	NDB RWY 35		KOWP	SAND SPRINGS	OK (US)
IAP	RNAV (GPS) RWY 17		KOWP	SAND SPRINGS	OK (US)
IAP	RNAV (GPS) RWY 35		KOWP	SAND SPRINGS	OK (US)
IAP	VOR/DME-A		KOWP	SAND SPRINGS	OK (US)
IAP	ILS OR LOC RWY 1L		KRVS	TULSA	OK (US)
IAP	VOR/DME-A		KRVS	TULSA	OK (US)
IAP	HI-VOR/DME OR TACAN RWY 26		KTUL	TULSA	OK (US)
IAP	ILS OR LOC RWY 18L	2	KTUL	TULSA	OK (US)
IAP	ILS OR LOC RWY 18R		KTUL	TULSA	OK (US)
IAP	ILS OR LOC RWY 36R	2	KTUL	TULSA	OK (US)
IAP	ILS RWY 36R (CAT II)	2	KTUL	TULSA	OK (US)
IAP	ILS RWY 36R (SA CAT I)	2	KTUL	TULSA	OK (US)
IAP	VOR OR TACAN RWY 26		KTUL	TULSA	OK (US)
IAP	VOR/DME RWY 8		KTUL	TULSA	OK (US)
STAR	GULLI		KCHK	CHICKASHA	OK (US)
STAR	GULLI		KRQO	EL RENO	OK (US)
STAR	GULLI		K1K4	GOLDSBY	OK (US)
STAR	GULLI		KGOK	GUTHRIE	OK (US)
STAR	GULLI		KOUN	NORMAN	OK (US)
STAR	GULLI		KHSD	OKLAHOMA CITY	OK (US)
STAR	GULLI		KOKC	OKLAHOMA CITY	OK (US)
STAR	GULLI		KPWA	OKLAHOMA CITY	OK (US)
STAR	GULLI		KRCE	OKLAHOMA CITY	OK (US)
STAR	GULLI		KTIK	OKLAHOMA CITY	OK (US)
STAR	GULLI		KSNL	SHAWNEE	OK (US)
STAR	VINTA		KRVS	TULSA	OK (US)
STAR	VINTA		KTUL	TULSA	OK (US)
STAR	MOTZA		KGKY	ARLINGTON	TX (US)
STAR	SASIE		KGKY	ARLINGTON	TX (US)
STAR	MOTZA		KCPT	CLEBURNE	TX (US)
STAR	SASIE		KCPT	CLEBURNE	TX (US)
STAR	FINGR		KADS	DALLAS	TX (US)
STAR	GREGS		KADS	DALLAS	TX (US)
STAR	SASIE		KADS	DALLAS	TX (US)
STAR	FINGR		KDAL	DALLAS	TX (US)
STAR	GREGS		KDAL	DALLAS	TX (US)
STAR	FINGR		KRBD	DALLAS	TX (US)
STAR	GREGS		KRBD	DALLAS	TX (US)
STAR	FINGR		KTKI	DALLAS	TX (US)
STAR	GREGS		KTKI	DALLAS	TX (US)
STAR	BOWIE		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	FINGR		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	WILBR		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MOTZA		KLUD	DECATUR	TX (US)
STAR	SASIE		KLUD	DECATUR	TX (US)
STAR	GREGS		KDTO	DENTON	TX (US)
STAR	SASIE		KDTO	DENTON	TX (US)
STAR	FINGR		KF41	ENNIS	TX (US)
STAR	GREGS		KF41	ENNIS	TX (US)
STAR	MOTZA		K50F	FORT WORTH	TX (US)
STAR	SASIE		K50F	FORT WORTH	TX (US)
STAR	MOTZA		KAFW	FORT WORTH	TX (US)
STAR	SASIE		KAFW	FORT WORTH	TX (US)
STAR	MOTZA		KFTW	FORT WORTH	TX (US)
STAR	SASIE		KFTW	FORT WORTH	TX (US)
STAR	MOTZA		KFWS	FORT WORTH	TX (US)
STAR	SASIE		KFWS	FORT WORTH	TX (US)
STAR	MOTZA		KNFW	FORT WORTH	TX (US)
STAR	SASIE		KNFW	FORT WORTH	TX (US)
STAR	MOTZA		KGPM	GRAND PRAIRIE	TX (US)
STAR	SASIE		KGPM	GRAND PRAIRIE	TX (US)
STAR	FINGR		KLNC	LANCASTER	TX (US)
STAR	GREGS		KLNC	LANCASTER	TX (US)
STAR	FINGR		KHQZ	MESQUITE	TX (US)
STAR	GREGS		KHQZ	MESQUITE	TX (US)
STAR	FINGR		KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR	GREGS		KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR	FINGR		KF46	ROCKWALL	TX (US)
STAR	GREGS		KF46	ROCKWALL	TX (US)
STAR	MOTZA		KWEA	WEATHERFORD	TX (US)
STAR	SASIE		KWEA	WEATHERFORD	TX (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 20

**DATE OF REVISION:** 12/07/2017

**REASON FOR REVISION:**

ADDED KTUL ILS RWY 36R (SA CAT I) TO FIX USE.  
ADDED REMARK "ASSIGNED FACILITY MAG VAR: E08/1970".  
REMOVED KRVS VOR RWY 1L FROM FIX USE.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**DEVELOPED BY:**

**DATE:** 06/21/2017

**OFFICE:** AJV-5433

**NAME:** BEV L BORDY (CHRISTINE BAYSE)

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-5430

**NAME:** PATRICK MULQUEEN

**SIGNATURE:**

**DISTRIBUTION:**

NFDC  
FPO: CEN  
ARTCC: ZKC  
ATC FACILITY: TUL APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** WILL ROGERS VORTAC      **STATE:** OK      **COUNTRY:** US      **ICAO REGION CODE:** K4

**LATITUDE/LONGITUDE:** 352130.95N/0973633.22W      **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	MRA FEET	MAA
1	WILL ROGERS	IRW	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	IRW	VORTAC	119.84	299.84	R	1		3000	6000	4	5

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (40-000794)	352210.08N/0972739.86W	1953	4D

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
MAGVAR = E07/1990.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRING			KASG	SPRINGDALE	AR (US)
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
DP	TEXOMA			KGKY	ARLINGTON	TX (US)
DP	TEXOMA			KADS	DALLAS	TX (US)
DP	ESNYE (RNAV)			KDAL	DALLAS	TX (US)
DP	KRUMM			KDAL	DALLAS	TX (US)
DP	SWTSR (RNAV)			KDAL	DALLAS	TX (US)
DP	TEXOMA			KDAL	DALLAS	TX (US)
DP	TEXOMA			KRBD	DALLAS	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JACKY			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDTO	DENTON	TX (US)
DP	TEXOMA			KAFW	FORT WORTH	TX (US)
DP	TEXOMA			KFTW	FORT WORTH	TX (US)
DP	TEXOMA			KFWS	FORT WORTH	TX (US)
DP	TEXOMA			KNFW	FORT WORTH	TX (US)
DP	TEXOMA			KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA			KLNC	LANCASTER	TX (US)
DP	TEXOMA			KTKI	MC KINNEY	TX (US)
DP	TEXOMA			KHQZ	MESQUITE	TX (US)
EN ROUTE	J14					(US)
EN ROUTE	J20					(US)
EN ROUTE	J21					(US)
EN ROUTE	J23					(US)
EN ROUTE	J6					(US)
EN ROUTE	J74					(US)
EN ROUTE	J78					(US)
EN ROUTE	J98					(US)
EN ROUTE	V14					(US)
EN ROUTE	V17					(US)
EN ROUTE	V210					(US)
EN ROUTE	V272					(US)
EN ROUTE	V354					(US)
EN ROUTE	V436					(US)
EN ROUTE	V440					(US)
EN ROUTE	V507					(US)
EN ROUTE	V573					(US)
EN ROUTE	V77					(US)
IAP	VOR/DME-A			KCHK	CHICKASHA	OK (US)
IAP	RNAV (GPS) RWY 17			KRQO	EL RENO	OK (US)
IAP	RNAV (GPS) RWY 35			KRQO	EL RENO	OK (US)
IAP	VOR/DME RWY 35			KRQO	EL RENO	OK (US)
IAP	ILS OR LOC RWY 35			KWDG	ENID	OK (US)
IAP	VOR RWY 17			KWDG	ENID	OK (US)
IAP	VOR RWY 35			KWDG	ENID	OK (US)

IAP	VOR/DME RWY 31	K1K4	GOLDSBY	OK (US)
IAP	ILS OR LOC RWY 18	KOUN	NORMAN	OK (US)
IAP	LOC RWY 03	KOUN	NORMAN	OK (US)
IAP	VOR RWY 18	KHSD	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17L	KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17R	KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 35L	KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 35R	KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS RWY 35R (CAT II)	KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS RWY 35R (SA CAT I)	KOKC	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) Y RWY 35L	KOKC	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) Y RWY 35R	KOKC	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 17L	KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17L	KPWA	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 35R	KPWA	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) RWY 35L	KPWA	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) RWY 35R	KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 17L	KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 35R	KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR-A	KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR-B	KRCE	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17	KSNL	SHAWNEE	OK (US)
STAR	GULLI	KCHK	CHICKASHA	OK (US)
STAR	GULLI	KRQO	EL RENO	OK (US)
STAR	GULLI	K1K4	GOLDSBY	OK (US)
STAR	GULLI	KGOK	GUTHRIE	OK (US)
STAR	GULLI	KOUN	NORMAN	OK (US)
STAR	GULLI	KHSD	OKLAHOMA CITY	OK (US)
STAR	GULLI	KOKC	OKLAHOMA CITY	OK (US)
STAR	GULLI	KPWA	OKLAHOMA CITY	OK (US)
STAR	GULLI	KRCE	OKLAHOMA CITY	OK (US)
STAR	GULLI	KTIK	OKLAHOMA CITY	OK (US)
STAR	GULLI	KSNL	SHAWNEE	OK (US)
STAR	MOTZA	KGKY	ARLINGTON	TX (US)
STAR	MOTZA	KCPT	CLEBURNE	TX (US)
STAR	FINGR	KADS	DALLAS	TX (US)
STAR	GREGS	KADS	DALLAS	TX (US)
STAR	FINGR	KDAL	DALLAS	TX (US)
STAR	GREGS	KDAL	DALLAS	TX (US)
STAR	FINGR	KRBD	DALLAS	TX (US)
STAR	GREGS	KRBD	DALLAS	TX (US)
STAR	FINGR	KTKI	DALLAS	TX (US)
STAR	GREGS	KTKI	DALLAS	TX (US)
STAR	BOWIE	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	FINGR	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MOTZA	KLUD	DECATUR	TX (US)
STAR	GREGS	KDTO	DENTON	TX (US)
STAR	FINGR	KF41	ENNIS	TX (US)
STAR	GREGS	KF41	ENNIS	TX (US)
STAR	MOTZA	K50F	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	FINGR	KLNC	LANCASTER	TX (US)
STAR	GREGS	KLNC	LANCASTER	TX (US)
STAR	FINGR	KHQZ	MESQUITE	TX (US)
STAR	GREGS	KHQZ	MESQUITE	TX (US)
STAR	FINGR	KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR	GREGS	KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR	FINGR	KF46	ROCKWALL	TX (US)
STAR	GREGS	KF46	ROCKWALL	TX (US)
STAR	MOTZA	KWEA	WEATHERFORD	TX (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 9

**DATE OF REVISION:** 10/11/2018

**REASON FOR REVISION:**

UPDATED FIX USE: (KHSD) CHANGED VOR RWY 17 TO VOR RWY 18.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	<b>DATE:</b> 07/09/2018	<b>OFFICE:</b> AJV-5421	<b>NAME:</b> CHRIS O'BRIEN
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-5420	<b>NAME:</b> JULIE MORGAN

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: CEN  
ARTCC: ZFW

**ATC FACILITY:** OKC APP CON  
**OTHER:**