

RADIO FIX AND HOLDING DATA RECORD

NAME: JOOEE

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 391803.63N/0945057.02W

TYPE: WP, RADAR, 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	KANSAS CITY	I-RNI	LOC/DME		274.12	276.12	7.48	7.47	45391	2900	5500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9	1		MCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 9			MCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 9			MCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX MOVED 3 FT SOUTHEAST FROM "391803.63N/0945057.06W" TO "391803.63N/0945057.02W"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: BRITNEY ARMENTROUT

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 29, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: LYMES

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 391458.47N/0940645.38W

TYPE: WP, INT, DME

AIRSPACE DOCKET: N

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	KANSAS CITY	MCI	VORTAC	H	089.01	094.01	29.18	29.18		2600	17500
2	NAPOLEON	ANX	VORTAC	VL	357.68	004.68		9.27		2600	17500

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	E	MCI	VORTAC	089.01	269.01	L	1		3000	14000	5	14
2	E		WP	094.01	274.01	L		4	3000	14000	5	11
3	E		WP	092.01	272.01	L		4	4000	14000	5	11
4	E		WP	089.01	269.01	L		4	3000	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-002665)	391817.69N/0940627.04W	1307	2C
1	265	TOWER (29-004015)	392028.94N/0940856.40W	1323	1A
2	200	TOWER (29-002665)	391817.69N/0940627.04W	1307	2C
3	200	TOWER (29-002665)	391817.69N/0940627.04W	1307	2C
4	200	TOWER (29-002665)	391817.69N/0940627.04W	1307	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST
PAT 3 ATC REQUEST
PAT 4 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

KANSAS CITY (FAC 1) AND NAPOLEON (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PAT 1 AND PAT 3 EVALUATED AT 265 IN SUPPORT OF MILITARY AIRCRAFT AT KMCI.
PAT 2 USES KMKC MAGVAR. PAT 3 USES KMCI MAGVAR. PAT 4 USES KMKC MAGVAR.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V13	1, 2				(US)
EN ROUTE	V159	1, 2				(US)
EN ROUTE	V161	1, 2				(US)
EN ROUTE	V4	1, 2				(US)
IAP	ILS OR LOC RWY 19L	1, 2	1	MCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 1R (ALT MA)	1, 2	1	MCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT II-III) (ALT MA)	1, 2	1	MCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (SA CAT I) (ALT MA)	1, 2	1	MCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 9		3	MCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 9		3	MCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 4 (ALT MA)	1, 2	1	MKC	KANSAS CITY	MO (US)
IAP	RNAV (GPS) RWY 1		2	MKC	KANSAS CITY	MO (US)
IAP	RNAV (GPS) RWY 4		2	MKC	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 9	1, 2	1	MCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) RWY 29		4	LXT	LEES SUMMIT	MO (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. PAT 1 265 KIAS CONTROLLING OBSTACLE CHANGED FROM "265 STACK (29-000319) 391043.00N/0941103.00W 1425 1D" TO "265 TOWER (29-004015) 392028.94N/0940856.40W 1323 1A"
2. REMOVED PAT 3 "265 STACK (29-000319) 391043.00N/0941103.00W 1425 1D" FROM CONTROLLING OBSTACLES.
3. PAT 2/3/4 MAX TEMPLATE CHANGED FROM "14" TO "11"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: BRITNEY ARMENTROUT



APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

*Digitally signed by***ALLAN WILL**

Jul 29, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: MAXEE

STATE: KS

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 391904.49N/0950325.37W

TYPE: WP, RADAR, 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	KANSAS CITY	I-RNI	LOC/DME		274.12	276.12	17.21	17.20		5500	7000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-RNI	LOC/DME	R-274	18	6000	7000

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	W		WP	274.12	094.12	R		5	6000	7000	6	9
2	W	I-RNI	LOC/DME	274.12	094.12	R	1		6000	7000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (20-001815)	392003.50N/0951044.40W	1562	5D
1	265	TOWER (20-001815)	392003.50N/0951044.40W	1562	5D
2	200	TOWER (20-001815)	392003.50N/0951044.40W	1562	5D
2	265	TOWER (20-001815)	392003.50N/0951044.40W	1562	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PAT 1 AND 2 UTILIZES 265 PATTERN IN SUPPORT OF MILITARY AIRCRAFT AT KMCI.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9	1	2	MCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 9			MCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 9			MCI	KANSAS CITY	MO (US)
STAR	MHOMS (RNAV)		1	MCI	KANSAS CITY	MO (US)
STAR	RUDDH (RNAV)		1	MCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. HOLDING PAT2 MAX PATTERN CHANGED FROM 9 TO 11.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: BRITNEY ARMENTROUT

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 29, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: SPANI

STATE: KS

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 391259.08N/0945138.75W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
IAP

USE TITLE
ILS OR LOC RWY 9
RNAV (RNP) Z RWY 9

FAC

PAT

AIRPORT IDENT
MCI
MCI

CITY
KANSAS CITY
KANSAS CITY

STATE
MO (US)
MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX MOVED 37FT SOUTHEAST FROM "391259.42N/0945138.96W" TO "391259.08N/0945138.75W"
2. REMOVED MCI RNAV (RNP) Z RWY 27 AND ADDED MCI RNAV (RNP) Z RWY 9

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: BRITNEY ARMENTROUT

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 29, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: STRAM

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 392308.18N/0945015.24W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
IAP

USE TITLE
ILS OR LOC RWY 9
RNAV (RNP) Z RWY 9

FAC

PAT

AIRPORT IDENT
MCI
MCI

CITY
KANSAS CITY
KANSAS CITY

STATE
MO (US)
MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX MOVED 38FT SOUTHWEST FROM "392308.51N/0945014.99W" TO "392308.18N/0945015.24W"
2. REMOVED MCI RNAV (RNP) Z RWY 27 AND ADDED MCI RNAV (RNP) Z RWY 9

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: BRITNEY ARMENTROUT

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

Digitally signed by
ALLAN WILL
Jul 29, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: WOOKE

STATE: KS

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 391825.38N/0945522.56W

TYPE: WP, RADAR, 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	KANSAS CITY	I-RNI	LOC/DME		274.12	276.12	10.94	10.92		4000	5500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

REMARKS:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 9			MCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 27			MCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 9			MCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 9	1		MCI	KANSAS CITY	MO (US)
STAR	JSONN (RNAV)			MCI	KANSAS CITY	MO (US)
STAR	WUTNG (RNAV)			MCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. DELETED HOLDING PATTERN 1 AND ASSOCIATED DATA.
2. FIX USE: DELETED MCI STAR MHOMS (RNAV) AND STAR RUDDH (RNAV)
3. DELETED REMARK PRECIPITOUS TERRAIN EVALUATION COMPLETED AND HOLDING LIMITED TO ESTABLISHED PATTERN.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: BRITNEY ARMENTROUT

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

Digitally signed by

ALLAN WILL

Jul 29, 2026

