

RADIO FIX AND HOLDING DATA RECORD

NAME: CORIM

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 393837.43N/0931255.66W

TYPE: INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	MACON	MCM	VOR/DME	L	263.19	269.19	33.99	33.99		8000	27000
2	KIRKSVILLE	IRK	VORTAC	H	218.56	224.56		41.20		8000	23000
3	BRAYMER	BQS	VOR/DME	L	085.31	088.31	30.59	30.59		8000	27000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BQS	VOR/DME	R-085	31	18900	27000
MCM	VOR/DME	R-263	34	18800	27000
IRK	VORTAC	R-219	42	8000	23000

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

REMARKS:

MACON (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BRAYMER	1, 2, 3		KFLV	FORT LEAVENWORTH	KS (US)
STAR	BRAYMER	1, 2, 3		KIXD	OLATHE	KS (US)
STAR	BRAYMER	1, 2, 3		KOJC	OLATHE	KS (US)
STAR	BRAYMER	1, 2, 3		KMCI	KANSAS CITY	MO (US)
STAR	BRAYMER	1, 2, 3		KMKC	KANSAS CITY	MO (US)
STAR	BRAYMER	1, 2, 3		KLXT	LEES SUMMIT	MO (US)
STAR	BRAYMER	1, 2, 3		KGPH	MOSBY	MO (US)
STAR	BRAYMER	1, 2, 3		KSTJ	ST JOSEPH	MO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

ADDED NM DISTANCE TO ALL FACILITIES.

FAC 2: CHANGED MAA FROM 27000 TO 23000.

ADDED DETAILED ESV DATA FOR ALL FACILITIES.

REMARKS: UPDATED FACILITY COORDINATES ENTRY; REMOVED ESV ENTRIES.

CHARTING: ADDED CONTROLLER LOW AND CONTROLLER HIGH.

FIX USE: REFORMATTED EXISTING ENTRIES; ADDED TWO AIRPORTS FOR THE BRAYMER STAR: KGPH AND KLXT.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 03/16/2018

OFFICE: AJV-5422

NAME: DAVID DOWLING

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZKC

ATC FACILITY: MCI APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HALLSVILLE VORTAC STATE: MO COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 390648.75N/0920741.64W TYPE:

AIRSPACE DOCKET: 20-ACE-13 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	HALLSVILLE	HLV	VORTAC	L						1200	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	SW	HLV	VORTAC	247.00	067.00	R	1		3000	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-002002)	390052.00N/0921633.00W	1884	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAG VAR: 6E/1965

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OZARK			KALN	ALTON/ST LOUIS	IL (US)
DP	OZARK			KBLV	BELLEVILLE	IL (US)
DP	OZARK			KPCS	CAHOKIA/ST LOUIS	IL (US)
DP	BRAKK (RNAV)			KSTL	ST LOUIS	MO (US)
DP	OZARK			KSTL	ST LOUIS	MO (US)
DP	OZARK			KSUS	ST LOUIS	MO (US)
EN ROUTE	J181					(US)
EN ROUTE	T272					(US)
EN ROUTE	T397					(US)
EN ROUTE	V175					(US)
EN ROUTE	V178					(US)
EN ROUTE	V239					(US)
EN ROUTE	V4					(US)
EN ROUTE	V63					(US)
IAP	VOR -A			KVER	BOONVILLE	MO (US)
IAP	RNAV (GPS) RWY 13			H19	BOWLING GREEN	MO (US)
IAP	ILS OR LOC RWY 2			KCOU	COLUMBIA	MO (US)
IAP	LOC BC RWY 20			KCOU	COLUMBIA	MO (US)
IAP	VOR RWY 13			KCOU	COLUMBIA	MO (US)
IAP	VOR Y RWY 20			KCOU	COLUMBIA	MO (US)
IAP	VOR Z RWY 20			KCOU	COLUMBIA	MO (US)
IAP	RNAV (GPS) RWY 18			KFTT	FULTON	MO (US)
IAP	RNAV (GPS) RWY 24			KFTT	FULTON	MO (US)
IAP	RNAV (GPS) RWY 6			KFTT	FULTON	MO (US)
IAP	VOR-A			KFTT	FULTON	MO (US)
IAP	RNAV (GPS) RWY 2			89	MACON	MO (US)
IAP	LOC/DME RWY 24		1	KMYJ	MEXICO	MO (US)
IAP	RNAV (GPS) RWY 6			KMYJ	MEXICO	MO (US)
IAP	VOR/DME RWY 24			KMYJ	MEXICO	MO (US)
IAP	RNAV (GPS) RWY 31			KMBY	MOBERLY	MO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 20-ACE-13.
 FIX USE: ADDED T397. CHANGED V178-239 TO SEPARATE AIRWAY ENTRIES.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A423	NAME: BARRY SMITH
APPROVED BY:	DATE: 05/06/2021	OFFICE: AJV-A420	NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: KIRKSVILLE VORTAC **STATE:** MO **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 400806.06N/0923530.17W **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	KIRKSVILLE	IRK	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	NW	IRK	VORTAC	314.00	134.00	R	1		3000	6000	4	5
2	W	IRK	VORTAC	248.00	068.00	L	1 1/2		18000	45000	16	29
3	SW	WP	WP	247.00	067.00	L		10	24000	33000	20	25

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-000386)	401335.00N/0923638.00W	1424	4D
1	310	TOWER (29-001437)	401434.00N/0922543.00W	1949	5D

REASON FOR NONSTANDARD HOLDING:

PAT 2 HOLD WEST ON J96.
PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR-A	KIRK	KIRKSVILLE	MO (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: E6/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J151					(US)
EN ROUTE	J232					(US)
EN ROUTE	J233					(US)
EN ROUTE	J26					(US)
EN ROUTE	J45					(US)
EN ROUTE	J87					(US)
EN ROUTE	J96		2			(US)
EN ROUTE	Q42					(US)
EN ROUTE	V10					(US)
EN ROUTE	V175					(US)
EN ROUTE	V181					(US)
EN ROUTE	V206					(US)
EN ROUTE	V50					(US)
EN ROUTE	V502					(US)
IAP	NDB RWY 36			K4K6	BLOOMFIELD	IA (US)
IAP	ILS OR LOC/DME RWY 36			KIRK	KIRKSVILLE	MO (US)
IAP	VOR-A		1	KIRK	KIRKSVILLE	MO (US)
IAP	RNAV (GPS) RWY 20			KK89	MACON	MO (US)
STAR	ENDEE (RNAV)		3	KMDW	CHICAGO	IL (US)
STAR	MOTIF		2	KMDW	CHICAGO	IL (US)
STAR	BENKY (RNAV)			KORD	CHICAGO	IL (US)
STAR	BRADFORD			KORD	CHICAGO	IL (US)
STAR	SHAIN (RNAV)			KORD	CHICAGO	IL (US)
STAR	MOTIF		2	KGYG	GARY	IN (US)
STAR	BRAYMER			KFLV	FORT LEAVENWORTH	KS (US)
STAR	BRAYMER			KIXD	OLATHE	KS (US)
STAR	BRAYMER			KOJC	OLATHE	KS (US)
STAR	BRAYMER			KMCI	KANSAS CITY	MO (US)
STAR	BRAYMER			KMKC	KANSAS CITY	MO (US)
STAR	BRAYMER			KLXT	LEE'S SUMMIT	MO (US)
STAR	BRAYMER			KGPH	MOSBY	MO (US)
STAR	BRAYMER			KSTJ	ST JOSEPH	MO (US)
STAR	LORLE (RNAV)			KSTL	ST LOUIS	MO (US)
STAR	RIVERS			KSTL	ST LOUIS	MO (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: 05/21/2020****REASON FOR REVISION:**

1. REMOVED NDB RWY 18/36 FOR KTRX IN FIX USE.
2. ADDED "CONTROLLER LOW" AND "CONTROLLER HIGH" TO REQUIRED CHARTING.
3. REMOVED DES MOINES DP FOR KD SM IN FIX USE.

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

AJV-A423

NAME: COLIN CAMPBELL**APPROVED BY:****DATE:****OFFICE:** AJV-A420**NAME:** MARLON ROBINSON**SIGNATURE:****DISTRIBUTION:**

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

RADIO FIX AND HOLDING DATA RECORD

NAME: MACON VOR/DME STATE: MO COUNTRY: US ICAO REGION CODE: K3
LATITUDE/LONGITUDE: 393914.57N/0922855.69W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	MACON	MCM	VOR/DME	L							17500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

CANCEL

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	MCM	VOR/DME	342.00	162.00	R	1	2400 6000	4 5
2	S	MCM	VOR/DME	188.24	008.24	R	1	2400 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-001488)	394527.32N/0923204.32W	1284	2C
2	200	TOWER (29-002040)	393602.16N/0923427.41W	1250	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 6E 1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OZARK			KALN	ALTON/ST LOUIS	IL (US)
DP	OZARK			KBLV	BELLEVILLE	IL (US)
DP	OZARK			KPCS	CAHOKIA/ST LOUIS	IL (US)
DP	LAKES			KFLV	FORT LEAVENWORTH	KS (US)
DP	LAKES			KIXD	OLATHE	KS (US)
DP	LAKES			KOJC	OLATHE	KS (US)
DP	LAKES			KMCI	KANSAS CITY	MO (US)
DP	LAKES			KMKC	KANSAS CITY	MO (US)
DP	LAKES			KLXT	LEE'S SUMMIT	MO (US)
DP	LAKES			KGPH	MOSBY	MO (US)
DP	LAKES			KSTJ	ST JOSEPH	MO (US)
DP	OZARK			KSTL	ST LOUIS	MO (US)
DP	WHRLI (RNAV)			KSTL	ST LOUIS	MO (US)
DP	OZARK			KSUS	ST LOUIS	MO (US)
EN ROUTE	V175					(US)
EN ROUTE	V424					(US)
EN ROUTE	V586					(US)
IAP	ILS OR LOC/DME RWY 36		1	KIRK	KIRKSVILLE	MO (US)
IAP	VOR RWY 2		2	KK89	MACON	MO (US)
IAP	RNAV (GPS) RWY 13			KMBY	MOBERLY	MO (US)
IAP	VOR/DME-A		1	KMBY	MOBERLY	MO (US)
IAP	RNAV (GPS) RWY 9			KK52	MONROE CITY	MO (US)
STAR	BRAYMER			KFLV	FORT LEAVENWORTH	KS (US)
STAR	BRAYMER			KIXD	OLATHE	KS (US)
STAR	BRAYMER			KOJC	OLATHE	KS (US)
STAR	BRAYMER			KMCI	KANSAS CITY	MO (US)
STAR	BRAYMER			KMKC	KANSAS CITY	MO (US)
STAR	BRAYMER			KLXT	LEE'S SUMMIT	MO (US)
STAR	BRAYMER			KGPH	MOSBY	MO (US)
STAR	BRAYMER			KSTJ	ST JOSEPH	MO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

REMOVE KK89 VOR RWY 20 FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/25/2016

OFFICE: AJV-5430

NAME: ROBERT ABBOTT (WILLIAM HANBY)

APPROVED BY:

DATE: 09/27/2016

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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