

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: 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.

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	ILS OR LOC RWY 2			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			K89	MACON	MO (US)
IAP	LOC 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)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17 DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

CHANGED PROCEDURE NAME FROM: LOC/DME RWY 24 TO: LOC RWY 24 FOR KMYJ IN FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: THERON CYRUS
 APPROVED BY: DATE: 02/23/2023 OFFICE: AJV-A430 NAME: JOHNNIE BAKER

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
 Nov 16, 2022



RADIO FIX AND HOLDING DATA RECORD

NAME: HAPTO STATE: MO COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 391413.63N/0913520.71W TYPE: WP, 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	MEXICO	I-EYR	LOC/DME		063.70	065.70	12.27	12.28	3000	5300
2	HALLSVILLE	HLV	VORTAC	VL	067.42	073.42		26.22	3000	6000

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		WP	063.84	243.84	R		4	3000	6000	5	6
2	NE	I-EYR	LOC/DME	063.70	243.70	R	1		3000	5300	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-000457)	392025.00N/0912445.00W	1184	4D
2	200	TOWER (29-002612)	391833.00N/0912825.00W	1097	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

MEXICO (FAC 1) USED TO ESTABLISH FIX COORDINATES.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 I-EYR DME COORDINATES: 390913.60N/0914946.04W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC RWY 24	1, 2	2	KMYJ	MEXICO	MO (US)
IAP	RNAV (GPS) RWY 24		1	KMYJ	MEXICO	MO (US)
IAP	RNAV (GPS) RWY 6		1	KMYJ	MEXICO	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

CHANGED PROCEDURE NAME FROM: LOC/DME RWY 24 TO: LOC RWY 24.
 DELETED FAC 2 (UIN) FROM FIX MAKE-UP FACILITIES.
 DELETED: KMYJ R24 DISPLACED THRESHOLD COORDINATES: 390936.32N/0914832.57W FROM REMARKS.
 ADDED "MEXICO (FAC 1) USED TO ESTABLISH FIX COORDINATES" TO REMARKS.
 DELETED "INT" FROM FIX TYPE.
 REMOVED LEG LENGTH DME 4 FROM PAT 2 IN HOLDING PATTERNS.
 CHANGED MAG/TRUE BRG FROM 063.69/065.69 TO 063.70/065.70 FOR FAC 1 I-EYR IN FIX MAKE-UP FACILITIES.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: THERON CYRUS

APPROVED BY: DATE: OFFICE: AJV-A430 NAME: JOHNNIE BAKER

SIGNATURE: Digitally signed by
CASIMIR L TABAKA
 Nov 16, 2022



RADIO FIX AND HOLDING DATA RECORD

NAME: MIRIE

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 391142.36N/0914233.40W

TYPE: WP, 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	MEXICO	I-EYR	LOC/DME		063.70	065.70	6.13	6.13	37258	2500	5300

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-EYR DME COORDINATES 390913.27N / 0914945.85W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC RWY 24	1		KMYJ	MEXICO	MO (US)
IAP	RNAV (GPS) RWY 24			KMYJ	MEXICO	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

DELETED FAC 2 (KMYJ R24) FROM FIX MAKE-UP FACILITIES.
ADDED DIST FROM FAC 6.13 NM AND 37258 FEET TO FAC 1 IN FIX MAKE-UP FACILITIES.
DELETED: "KMYJ R24 DISPLACED THRESHOLD COORDINATES: 390936.32N/0914832.56W" FROM REMARKS.
CHANGED FIX USE TO CURRENT CRITERIA FORMAT.
CHANGED PROCEDURE NAME FROM: LOC/DME RWY 24 TO: LOC RWY 24 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: THERON CYRUS

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA

Nov 16, 2022

QUALITY
16
CHECKED

NAME: QUINCY VORTAC	STATE: IL	COUNTRY: US	ICAO REGION CODE: K5
LATITUDE/LONGITUDE: 395052.35N/0911644.13W	TYPE:		

FIX MAKE-UP FACILITIES:											
FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	QUINCY	UIN	VORTAC	H							45000

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES		TEMPLATES	
PAT	DIR								MIN	MAX	MIN	MAX
1	NE	UIN	VORTAC	041.05	221.05	L	1		2300	6000	4	5
2	SW	UIN	VORTAC	243.84	063.84	R	1		2300	6000	4	5
3	SW	UIN	VORTAC	213.00	033.00	R	1		2400	17500	4	16
4	NW	UIN	VORTAC	325.21	145.21	R	1		10000	33000	9	24
5	SW		WP	216.43	036.43	R		4	2400	6000	5	6

CONTROLLING OBSTRUCTIONS:					
PAT	AIRSPPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (17-020461)	394959.40N/0911131.80W	1073	2C
2	200	WINDMILL (17-020461)	394959.40N/0911131.80W	1073	2C
3	200	WINDMILL (17-020461)	394959.40N/0911131.80W	1073	2C
4	230	TOWER (17-001519)	395819.30N/0911940.40W	1643	2C
5	200	WINDMILL (17-020461)	394959.40N/0911131.80W	1073	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: E5/1965.

FIX USE: USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V50					(US)
EN ROUTE	V52					(US)
EN ROUTE	V582					(US)
EN ROUTE	V586					(US)
EN ROUTE	V63					(US)
IAP	RNAV (GPS) RWY 32			KEOK	KEOKUK	IA (US)
IAP	RNAV (GPS) RWY 8			KEOK	KEOKUK	IA (US)
IAP	RNAV (GPS) RWY 9			KMQB	MACOMB	IL (US)
IAP	VOR/DME-A		2	I63	MOUNT STERLING	IL (US)
IAP	VOR RWY 13			KPPQ	PITTSFIELD	IL (US)
IAP	ILS OR LOC RWY 4			KUIN	QUINCY	IL (US)
IAP	LOC/DME BC RWY 22		3	KUIN	QUINCY	IL (US)
IAP	NDB RWY 04			KUIN	QUINCY	IL (US)
IAP	RNAV (GPS) RWY 22		5	KUIN	QUINCY	IL (US)
IAP	VOR/DME-A		1	KHAE	HANNIBAL	MO (US)
IAP	RNAV (GPS) RWY 27			K52	MONROE CITY	MO (US)
IAP	VOR-A			K52	MONROE CITY	MO (US)
IAP	VOR/DME-A			6M6	MONTICELLO	MO (US)
STAR	BRADFORD			KORD	CHICAGO	IL (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	RIVRS		4	KSTL	ST LOUIS	MO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 29 **DATE OF REVISION: 02/23/2023**

REASON FOR REVISION:

QUALITY
16
CHECKED

DELETED LOC/DME RWY 24 (KMYJ) FROM FIX USE.
DELETED RNAV (GPS) RWY 26 (KEOK) FROM FIX USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: THERON CYRUS
APPROVED BY:	DATE: 02/23/2023	OFFICE: AJV-A430	NAME: JOHNNIE BAKER
SIGNATURE:		<i>Digitally signed by</i> CASIMIR L TABAKA Nov 16, 2022	

QUALITY
16
CHECKED