

RADIO FIX AND HOLDING DATA RECORD

NAME: ALLOE

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 395443.65N/0871042.39W

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	FAC FEET	MRA	MAA
1	BRICKYARD	VHP	VORTAC	H	278.12	279.12	37.92	37.92		2700	17500
2	TERRE HAUTE	TTH	VORTAC	H	005.32	007.32	25.58	25.58		2500	17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

REMARKS:

BRICKYARD (FAC 1) AND TERRE HAUTE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V-434	1, 2				(US)
EN ROUTE	V-7	1, 2				(US)
IAP	RNAV (GPS) RWY 22			KCFJ	CRAWFORDSVILLE	IN (US)
IAP	RNAV (GPS) RWY 4			KCFJ	CRAWFORDSVILLE	IN (US)
IAP	RNAV (GPS) RWY 18			K4I7	GREENCASTLE	IN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

ADDED BRICKYARD (FAC 1) AND TERRE HAUTE (FAC 2) USED TO ESTABLISH FIX COORDINATES TO REMARKS.
REMOVED ALL REFERENCES OF HOLDING.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 07/07/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: ZAU, IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ANTTI **STATE:** IN **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 395210.71N/0864907.28W **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	BRICKYARD	VHP	VORTAC	H	278.12	279.12	21.11	21.11	2700	17500
2	TERRE HAUTE	TTH	VORTAC	H	039.00	041.00		30.30	2700	17500

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	249.42	069.42	R		4	2900	6000	5	6
2	E	VHP	VORTAC	098.12	278.12	R	1		2900	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPACE	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-000276)	394744.00N/0864804.00W	1260	5D
2	200	TOWER (18-001884)	395500.00N/0863601.44W	1320	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

BRICKYARD (FAC 1) AND TERRE HAUTE (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V434	1, 2				(US)
IAP	RNAV (GPS) RWY 4			KCFJ	CRAWFORDSVILLE	IN (US)
IAP	LOC RWY 21	1, 2	2	KEYE	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 21		1	KEYE	INDIANAPOLIS	IN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 11/10/2016

REASON FOR REVISION:

UPDATED PAT 2 TEMPLATES MIN/MAX FROM 5/6 TO 6/7 AND CONTROLLING OBSTACLE DATA.

DEVELOPED BY: **DATE:** 07/07/2016 **OFFICE:** AJV-5423 **NAME:** PABLO ORTIZ

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** TONY LAWSON

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CONUM STATE: IN COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 400643.83N/0864515.70W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NE		WP	047.02	227.02	R	4	2700	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-001661)	401358.11N/0863921.65W	1203	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 22		1	KCFJ	CRAWFORDSVILLE	IN (US)
IAP	RNAV (GPS) RWY 4		1	KCFJ	CRAWFORDSVILLE	IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

1. UPDATE FIX LAT/LONG. FIX MOVED 41.75 FEET NORTH.
2. UPDATED PAT 1 RAD/CRS/BRG FROM 045.05 TO 047.02 AND CRS INBOUND FROM 225.05 TO 227.05.
3. UPDATED FIX USE.

DEVELOPED BY: DATE: 07/07/2016 OFFICE: AJV-5423 NAME: PABLO ORTIZ

APPROVED BY: DATE: OFFICE: AJV-5420 NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: ZAU, IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JUBDU

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 395653.97N/0865710.23W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 4

FAC

PAT

AIRPORT IDENT
KCFJ

CITY
CRAWFORDSVILLE

STATE
IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/10/2016

DEVELOPED BY: DATE: 07/07/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OTOSE

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 394551.28N/0865918.88W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX NAME RETAINED BY ATC FOR OPERATIONAL NEED.

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 4

FAC

PAT

AIRPORT IDENT
KCFJ

CITY
CRAWFORDSVILLE

STATE
IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

UPDATE FIX LAT/LONG. FIX MOVED 1.31 NM SOUTHEAST.
ADDED REMARK FIX NAME RETAINED BY ATC FOR OPERATIONAL NEED.

DEVELOPED BY:

DATE: 07/07/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TERRE HAUTE VORTAC STATE: IN COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 392920.19N/0871456.45W 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	TERRE HAUTE	TTH	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	NE	TTH	VORTAC	049.00	229.00	R	1		2300	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	TOWER (18-000269)	391433.00N/0872329.00W	1549	5D
1	200	TOWER (18-001906)	393223.56N/0870719.76W	993	2C
1	310	TOWER (18-000890)	393014.00N/0872637.00W	1249	3C

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2600.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RADAR-1	KHUF	TERRE HAUTE	IN (US)

REMARKS:

PAT 1 EVALUATED AT 265 KTS FOR CAT E MINIMUMS ON LOC BC RWY 23 AT KHUF.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: E2 1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KPCS	CAHOKIA/ST LOUIS	IL (US)
DP	DAWNN			KEYE	INDIANAPOLIS	IN (US)
DP	ROCKY			KEYE	INDIANAPOLIS	IN (US)
DP	DAWNN			KHFX	INDIANAPOLIS	IN (US)
DP	ROCKY			KHFX	INDIANAPOLIS	IN (US)
DP	DAWNN			KIND	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	ROCKY			KIND	INDIANAPOLIS	IN (US)
DP	DAWNN			KMQJ	INDIANAPOLIS	IN (US)
DP	ROCKY			KMQJ	INDIANAPOLIS	IN (US)
DP	DAWNN			KTYQ	INDIANAPOLIS	IN (US)
DP	ROCKY			KTYQ	INDIANAPOLIS	IN (US)
DP	DAWNN			KUMP	INDIANAPOLIS	IN (US)
DP	ROCKY			KUMP	INDIANAPOLIS	IN (US)
DP	DAWNN			KGEZ	SHELBYVILLE	IN (US)
DP	ROCKY			KGEZ	SHELBYVILLE	IN (US)
DP	LOVEY (RNAV)			KCVG	COVINGTON	KY (US)
DP	WHITEWATER			KCVG	COVINGTON	KY (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
EN ROUTE	T325					(US)
EN ROUTE	V14					(US)
EN ROUTE	V171					(US)
EN ROUTE	V192					(US)
EN ROUTE	V50					(US)
EN ROUTE	V7					(US)
IAP	RNAV (GPS) RWY 22			K1H8	CASEY	IL (US)
IAP	RNAV (GPS) RWY 27			KPRG	PARIS	IL (US)
IAP	VOR/DME-A			KPRG	PARIS	IL (US)
IAP	RNAV (GPS) RWY 27			K0I2	BRAZIL	IN (US)
IAP	VOR RWY 9			K0I2	BRAZIL	IN (US)
IAP	RNAV (GPS) RWY 4			KCFJ	CRAWFORDSVILLE	IN (US)
IAP	RNAV (GPS) RWY 36			K4I7	GREENCASTLE	IN (US)
IAP	LOC RWY 21			KEYE	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 23R			KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 32			KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 5L			KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5L (CAT II)			KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5L (CAT III)			KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5L (SA CAT I)			KIND	INDIANAPOLIS	IN (US)

QUALITY
10
CHECKED

IAP	NDB RWY 36		KSIV	SULLIVAN	IN (US)
IAP	VOR OR GPS-A		K3I3	TERRE HAUTE	IN (US)
IAP	ILS OR LOC RWY 5	1	KHUF	TERRE HAUTE	IN (US)
IAP	LOC BC RWY 23	1	KHUF	TERRE HAUTE	IN (US)
IAP	RADAR-1	1	KHUF	TERRE HAUTE	IN (US)
IAP	RNAV (GPS) RWY 23		KHUF	TERRE HAUTE	IN (US)
IAP	RNAV (GPS) RWY 5		KHUF	TERRE HAUTE	IN (US)
IAP	VOR RWY 23	1	KHUF	TERRE HAUTE	IN (US)
IAP	VOR/DME RWY 5	1	KHUF	TERRE HAUTE	IN (US)
STAR	RACYR		KEYE	INDIANAPOLIS	IN (US)
STAR	RACYR		KHFY	INDIANAPOLIS	IN (US)
STAR	RACYR		KIND	INDIANAPOLIS	IN (US)
STAR	RACYR		KMQJ	INDIANAPOLIS	IN (US)
STAR	RACYR		KTYQ	INDIANAPOLIS	IN (US)
STAR	RACYR		KUMP	INDIANAPOLIS	IN (US)
STAR	CHERI		KJVV	JEFFERSONVILLE	IN (US)
STAR	CHERI		KFTK	FORT KNOX	KY (US)
STAR	CHERI		KLOU	LOUISVILLE	KY (US)
STAR	CHERI		KSDF	LOUISVILLE	KY (US)
STAR	HEHAW		KMBT	MURFREESBORO	TN (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)
STAR	HEHAW		KJWN	NASHVILLE	TN (US)
STAR	HEHAW		KMQY	SMYRNA	TN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

UPDATED FIX USE.

ADDED ASSIGNED FACILITY MAG VAR TO REMARKS.

DEVELOPED BY: **DATE:** 08/04/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY: **DATE:**

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZID

ATC FACILITY: HUF APP CON

OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YONUG

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 395008.52N/0870518.50W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SW		WP	226.81	046.81	L	4	2700	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-002346)	394505.21N/0870744.79W	1054	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 22		1	KCFJ	CRAWFORDSVILLE	IN (US)
IAP	RNAV (GPS) RWY 4		1	KCFJ	CRAWFORDSVILLE	IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

1. UPDATE FIX LAT/LONG. FIX MOVED 452.91 FEET SOUTHWEST.
2. UPDATED PAT 1 RAD/CRS/BRG FROM 224.83 TO 226.81, CRS INBOUND FROM 044.83 TO 046.81 AND CONTROLLING OBSTRUCTION ELEVATION FROM 1080 TO 1054.
3. RAISED MIN HOLD ALT FROM 2500 TO 2700.

DEVELOPED BY:

DATE: 07/07/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: ZAU, IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZAGPA

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 395434.24N/0865958.75W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 4

FAC

PAT

AIRPORT IDENT
KCFJ

CITY
CRAWFORDSVILLE

STATE
IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

UPDATED FIX LAT/LONG. FIX MOVED 1163.23 FEET SOUTHWEST.
REMOVED REMARK RNP CRITERIA USED.

DEVELOPED BY:

DATE: 07/07/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: IND APP CON
OTHER:

QUALITY
10
CHECKED