

RADIO FIX AND HOLDING DATA RECORD

NAME: BBIRD

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 395015.05N/0860744.20W

TYPE: WP, RADAR, INT, 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	INDIANAPOLIS	I-FVJ	LOC/DME		049.57	044.57	9.75	11.74		4000	5200
2	BRICKYARD	VHP	VORTAC	VH	081.86	082.86		11.11		4000	5200

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-FVJ	LOC/DME	R-050	12	4000	5200

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

INDIANAPOLIS (FAC 1) USED TO ESTABLISH FIX COORDINATES.
 I-FVJ ESV IS FOR GLIDESLOPE ONLY.
 DME LAT/LONG 394320.19N-0861639.54W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 23L	1, 2		KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 23L (SA CAT II)	1, 2		KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) Y RWY 23L			KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (RNP) Z RWY 23L			KIND	INDIANAPOLIS	IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

1. UPDATED FIX LAT/LONGS FROM "395015.00N/0860744.28W" TO "395015.05N/0860744.20W", FIX MOVED 8.49 FEET NORTHEAST.
2. UPDATED FIX MAKE-UP FACILITY 1 DME/DISTANCE FROM FACILITY FROM "9.73/11.72" TO "9.75/11.74".
3. UPDATED FIX MAKE-UP FACILITY 2 MAG/TRUE BEARING FROM "081.87/082.87" TO "081.86/082.86".
4. UPDATED FIX USE, ADDED ILS RWY 23L (SA CAT II) AT KIND.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: FRANK JACKSON

APPROVED BY:

DATE: 08/31/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: KNIGHT

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 394006.75N/0861209.40W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 23L			KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (RNP) Z RWY 5R			KIND	INDIANAPOLIS	IN (US)
STAR	GIIBS (RNAV)			KIND	INDIANAPOLIS	IN (US)
STAR	SMUKE (RNAV)			KIND	INDIANAPOLIS	IN (US)
STAR	SNKPT (RNAV)			KIND	INDIANAPOLIS	IN (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/05/2015

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 08/26/2014

OFFICE: AJV-353

NAME: THOMAS KIRKPATRICK

APPROVED BY:

DATE: 03/18/2015

OFFICE: AJV-353

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: LLARY STATE: IN COUNTRY: US ICAO REGION CODE: K5
LATITUDE/LONGITUDE: 395229.06N/0860452.26W TYPE: WP, RADAR, INT, 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	INDIANAPOLIS	I-FVJ	LOC/DME		049.57	044.57	12.89	14.87	5000	5200
2	BRICKYARD	VHP	VORTAC	VH	073.70	074.70		13.71	5000	5200

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-FVJ	LOC/DME	R-050	15	5000	5200

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

INDIANAPOLIS (FAC 1) USED TO ESTABLISH FIX COORDINATES.
I-FVJ ESV IS FOR GLIDESLOPE ONLY.
DME LAT/LONG 394320.19N-0861639.54W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 23L	1, 2		KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 23L (SA CAT II)	1, 2		KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) Y RWY 23L			KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (RNP) Z RWY 23L			KIND	INDIANAPOLIS	IN (US)
STAR	SNKPT (RNAV)			KIND	INDIANAPOLIS	IN (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

1. UPDATED FIX MAKE-UP FACILITY 2 CLASS FROM "H" TO "VH".
2. UPDATED FIX USE, ADDED ILS RWY 23L (SA CAT II) AT KIND.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: FRANK JACKSON
APPROVED BY:	DATE: 09/05/2023	OFFICE: AJV-A430	NAME: JOHNNIE BAKER
SIGNATURE:			

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 394102.20N/0860540.87W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: ESTABLISH

HOLDING: HOLDING TYPE OF ACTION:

REMARKS:

PRECISE FIX COORDINATES: 394102.199N/0860540.874W.

FIX USE:

USE TYPE

IAP
IAP

USE TITLE

RNAV (RNP) Z RWY 23L
RNAV (RNP) Z RWY 23R

FAC

PAT

AIRPORT IDENT

KIND
KIND

CITY

INDIANAPOLIS
INDIANAPOLIS

STATE

IN (US)
IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/30/2015

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 09/03/2014

OFFICE: AJV-353

NAME: STEVE NELSON

APPROVED BY:

DATE: 03/20/2015

OFFICE: AJV-353

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZID

ATC FACILITY: INDIANAPOLIS APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: OZMOE

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 393409.13N/0860420.96W

TYPE: WP, INT, 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	INDIANAPOLIS	I-COA	LOC		139.56	134.56		14.25		3000	5200
2	SHELBYVILLE	SHB	VOR/DME	VL	250.82	251.82	12.12	12.12		2500	17500
3	BRICKYARD	VHP	VORTAC	VH	136.04	137.04	20.08	20.08		2600	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	SE		WP	139.69	319.69	R		4	3000	6000	5	6
2	SE	VHP	VORTAC	136.04	316.04	R	1		3000	6000	5	6
3	E	SHB	VOR/DME	250.82	250.82	R	1		3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-000615)	393414.00N/0855952.00W	1082	5D
2	200	TOWER (18-000615)	393414.00N/0855952.00W	1082	5D
3	200	TOWER (18-000936)	394006.00N/0860144.00W	1542	5D

REMARKS:

INDIANAPOLIS (FAC 1) AND SHELBYVILLE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V12	2, 3				(US)
EN ROUTE	V128	2, 3	2			(US)
IAP	ILS OR LOC RWY 14	2, 3	2	KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 14 (ALT MA)	2	3	KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 23L	2, 3	2	KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 23L (ALT MA)	2	3	KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 32	1, 2		KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 5R	2, 3	2, 3	KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 23L (SA CAT II)	2, 3	2	KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 23L (SA CAT II) (ALT MA)	2	3	KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5R (CAT II)	2, 3	2, 3	KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5R (CAT III)	2, 3	2, 3	KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5R (SA CAT I)	2, 3	2, 3	KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) Y RWY 14		1	KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) Y RWY 23L		1	KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) Y RWY 32			KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) Y RWY 5R		1	KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (RNP) Z RWY 14		1	KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (RNP) Z RWY 23L		1	KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (RNP) Z RWY 32			KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (RNP) Z RWY 5R		1	KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 34			KMQJ	INDIANAPOLIS	IN (US)
STAR	GIIBS (RNAV)			KIND	INDIANAPOLIS	IN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

1. UPDATED FIX MAKE-UP FACILITY 2 CLASS FROM "L" TO "VL".
2. UPDATED FIX MAKE-UP FACILITY 3 CLASS FROM "H" TO "VH".
3. UPDATED FIX USE, ADDED ILS RWY 23L (SA CAT II), ILS RWY 23L (SA CAT II) (ALT MA) AND ILS OR LOC RWY 23L (ALT MA) AT KIND.
4. DELETED UNPLANNED HOLDING AND ASSOCIATED INFORMATION.
5. UPDATED REQUIRED CHARTING, CHANGED "CONTROLLER" TO "CONTROLLER LOW".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: FRANK JACKSON

APPROVED BY:

DATE: 09/05/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: PACRR

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 394707.25N/0861144.71W

TYPE: WP, RADAR, INT, 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	FAC FEET	MRA	MAA
1	INDIANAPOLIS	I-FVJ	LOC/DME		049.57	044.57	5.35	7.34	44597	2600	5200
2	BRICKYARD	VHP	VORTAC	VH	101.45	102.45		8.14		2600	5200

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

INDIANAPOLIS (FAC 1) USED TO ESTABLISH FIX COORDINATES.
DME LAT/LONG 394320.19N-0861639.54W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 23L	1, 2		KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 23L (SA CAT II)	1, 2		KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) Y RWY 23L			KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (RNP) Z RWY 23L			KIND	INDIANAPOLIS	IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

1. UPDATED FIX LAT/LONGS FROM "394707.01N/0861145.01W" TO "394707.25N/0861144.71W".
2. FIX RELOCATED 34.36 FEET NORTHEAST.
3. UPDATED FAC 1 DISTANCE FROM FACILITY NM/FEET FROM "7.33/44538" TO "7.34/44597 FEET".
4. UPDATED FAC 2 MAG/TRUE BRG FROM "101.48/102.48" TO "101.45/102.45" AND DISTANCE FROM FAC FROM "8.13" TO "8.14".
5. UPDATED FIX USE, ADDED ILS RWY 23L (SA CAT II) AT KIND.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: FRANK JACKSON

APPROVED BY:

DATE: 08/31/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 395214.96N/0862029.97W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: ESTABLISH

HOLDING: HOLDING TYPE OF ACTION:

REMARKS:
PRECISE FIX COORDINATES: 395214.963N/0862029.974W.

FIX USE: USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 23L			KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (RNP) Z RWY 23R			KIND	INDIANAPOLIS	IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG DATE OF REVISION: 04/30/2015

INITIATED BY: DATE: ORGANIZATION: NAME:

DEVELOPED BY: DATE: 09/03/2014 OFFICE: AJV-353 NAME: STEVE NELSON

APPROVED BY: DATE: 03/20/2015 OFFICE: AJV-353 NAME: GEORGE GONZALEZ

SIGNATURE:

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