

# RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 411502.38N/0845422.07W **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	MRA	MAA
1	GOSHEN	GSH	VORTAC	H	107.63	107.63		53.27	4500	17500
2	FORT WAYNE	FWA	VORTAC	VH	044.04	038.04	20.71	20.71	3000	17500

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GSH	VORTAC	R-108	54	4500	15400

**FIX RESTRICTIONS:**

MRA V11 4500

**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	E		WP	072.21	252.21	R		4	3000	6000	5	6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-003505)	411915.50N/0844311.80W	1252	2C

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

GOSHEN (FAC 1) AND FORT WAYNE (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	V11	1, 2				(US)
EN ROUTE	V8	1, 2				(US)
IAP	RNAV (GPS) RWY 23			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 23		1	KSMD	FORT WAYNE	IN (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 9

**DATE OF REVISION:** 04/17/2025

**REASON FOR REVISION:**

1. UPDATED HOLDING PATTERN 1 CRS/CRS INBOUND FROM "072.25/252.25" TO "072.21/252.21".  
2. UPDATED HOLDING RESTRICTIONS FROM "HOLDING LIMITED TO ESTABLISHED PATTERN(S)" TO "HOLDING LIMITED TO ESTABLISHED PATTERN".

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** DEVON KERCHER

**APPROVED BY:**

**DATE:** 03/13/2025

**OFFICE:** AJV-A431

**NAME:** ERIC N SUSKI

**SIGNATURE:**

*Digitally signed by*  
**ROBERT G HAMILTON**

Feb 24, 2025

QUALITY  
10  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: JISUD

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 410637.08N/0851223.55W

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 23

FAC

PAT

AIRPORT IDENT  
KSMD

CITY  
FORT WAYNE

STATE  
IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

1. FIX MOVED FROM 410637.46N/0851222.93W TO 410637.0789N/0851223.5450W.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEVON KERCHER

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Feb 24, 2025



# RADIO FIX AND HOLDING DATA RECORD

NAME: NOYJU

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 411209.42N/0850325.89W

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 23

FAC

PAT

AIRPORT IDENT  
KSMD

CITY  
FORT WAYNE

STATE  
IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

1. FIX MOVED FROM 411210.23N/0850324.61W TO 411209.4197N/0850325.8916W.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEVON KERCHER

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Feb 24, 2025

QUALITY  
10  
CHECKED