RADIO FIX AND HOLDING DATA RECORD

NAME: BANJO **STATE:** MI **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 440638.29N/0841033.54W **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	DIST FROM FAC FEET	MRA	MAA
1	SAGINAW	MBS	VOR/DME	L	356.00	353.00	35.00	35.00		3000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S		WP	179.00	359.00	R		4	4000	6000	5	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-002281)	440438.00N/0840504.00W	1248	5D
1	310	TOWER (26-002281)	440438.00N/0840504.00W	1248	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 27	Y31	WEST BRANCH	MI (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V609	1				(US)
EN ROUTE	V78	1				(US)
IAP	RNAV (GPS) RWY 27			KGDW	GLADWIN	MI (US)
IAP	RNAV (GPS) RWY 24			KIKW	MIDLAND	MI (US)
IAP	RNAV (GPS) RWY 27		1	Y31	WEST BRANCH	MI (US)
IAP	RNAV (GPS) RWY 9		1	Y31	WEST BRANCH	MI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 04/17/2025

REASON FOR REVISION:
1. DELETED "INT" IN FIX TYPE.
2. DELETED MOP IN FIX MAKE-UP FACILITIES -- MOP VOR MON.
3. DELETED REMARK "SAGINAW (FAC 1) AND MOUNT PLEASANT (FAC 2) USED TO ESTABLISH FIX COORDINATES".
4. DELETED IAP VOR RWY 27 AT Y31 IN FIX USE.
5. DELETED ALL INSTANCES OF FAC 2 IN FIX USE.
6. DELETED "CONTROLLER" AND ADDED "CONTROLLER LOW" IN REQUIRED CHARTING.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** DANIEL JOHNSEN

APPROVED BY: **DATE:** 04/17/2025 **OFFICE:** AJV-A423 **NAME:** ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: MOUNT PLEASANT VOR/DME **STATE:** MI **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 433722.17N/0844414.16W **TYPE:**

AIRSPACE DOCKET: 23-AGL-41 **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MOUNT PLEASANT	MOP	VOR/DME	L							

HOLDING: **HOLDING TYPE OF ACTION:** CANCEL

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S		WP	184.00	004.00	R		4	2800	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (26-130460)	434209.85N/0844320.66W	1362	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 5W (1995).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V320					(US)
IAP	RNAV (GPS) RWY 18			KAMN	ALMA	MI (US)
IAP	RNAV (GPS) RWY 9			KAMN	ALMA	MI (US)
IAP	VOR RWY 18			KAMN	ALMA	MI (US)
IAP	RNAV (GPS) RWY 27			KRQB	BIG RAPIDS	MI (US)
IAP	RNAV (GPS) RWY 25			KCAD	CADILLAC	MI (US)
IAP	RNAV (GPS) RWY 4		1	48D	CLARE	MI (US)
IAP	RNAV (GPS) RWY 27			KGDW	GLADWIN	MI (US)
IAP	RNAV (GPS) RWY 24			KIKW	MIDLAND	MI (US)
IAP	RNAV (GPS) RWY 6			KIKW	MIDLAND	MI (US)
IAP	VOR-A			KIKW	MIDLAND	MI (US)
IAP	ILS OR LOC RWY 23			KMBS	SAGINAW	MI (US)
IAP	ILS OR LOC RWY 5			KMBS	SAGINAW	MI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18 **DATE OF REVISION:** 12/26/2024

REASON FOR REVISION:
1. DOCKET: ADDED "23-AGL-41"
2. FIX USE: REMOVED EN ROUTE "V233"

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** HENRY BRADSHAW

APPROVED BY: **DATE:** 04/17/2025 **OFFICE:** AJV-A423 **NAME:** ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SAGINAW VOR/DME **STATE:** MI **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 433153.93N/0840438.29W **TYPE:**

AIRSPACE DOCKET: 23-AGL-12 **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

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

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	MBS	VOR/DME	305.00	125.00	R	1		3000	10000	4	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-001850)	433356.18N/0841714.31W	1055	1A
1	310	TOWER (26-002117)	432442.00N/0841319.00W	1140	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MBS VOR/DME MAG VAR 3W/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V133					(US)
EN ROUTE	V274					(US)
EN ROUTE	V45					(US)
EN ROUTE	V609					(US)
EN ROUTE	V78					(US)
IAP	RNAV (GPS) RWY 18			KAMN	ALMA	MI (US)
IAP	RNAV (GPS) RWY 27			KAMN	ALMA	MI (US)
IAP	RNAV (GPS) RWY 17			KBAX	BAD AXE	MI (US)
IAP	RNAV (GPS) RWY 22			KBAX	BAD AXE	MI (US)
IAP	RNAV (GPS) RWY 35			KBAX	BAD AXE	MI (US)
IAP	RNAV (GPS) RWY 4			KBAX	BAD AXE	MI (US)
IAP	RNAV (GPS) RWY 24			KCFS	CARO	MI (US)
IAP	VOR-A			KCFS	CARO	MI (US)
IAP	RNAV (GPS) RWY 27			KGDW	GLADWIN	MI (US)
IAP	ILS OR LOC RWY 10R			KLAN	LANSING	MI (US)
IAP	RNAV (GPS) RWY 24			KIKW	MIDLAND	MI (US)
IAP	RNAV (GPS) RWY 6			KIKW	MIDLAND	MI (US)
IAP	VOR-A			KIKW	MIDLAND	MI (US)
IAP	VOR/DME RWY 29			KRNP	OWOSSO	MI (US)
IAP	ILS OR LOC RWY 28		1	KHYX	SAGINAW	MI (US)
IAP	RNAV (GPS) RWY 10			KHYX	SAGINAW	MI (US)
IAP	RNAV (GPS) RWY 28			KHYX	SAGINAW	MI (US)
IAP	VOR/DME-A		1	KHYX	SAGINAW	MI (US)
IAP	ILS OR LOC RWY 23			KMBS	SAGINAW	MI (US)
IAP	ILS OR LOC RWY 5			KMBS	SAGINAW	MI (US)
IAP	VOR RWY 14			KMBS	SAGINAW	MI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 27 **DATE OF REVISION:** 04/17/2025

REASON FOR REVISION:
1. ADDED AIRSPACE DOCKET 23-AGL-12.
2. DELETED EN ROUTE V320 IN FIX USE.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** DANIEL JOHNSEN

APPROVED BY: **DATE:** 04/17/2025 **OFFICE:** AJV-A423 **NAME:** ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: WELVI **STATE:** MI **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 435851.13N/0840913.26W **TYPE:** WP, 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	DIST FROM FAC FEET	MRA	MAA
1	SAGINAW	MBS	VOR/DME	L	356.00	353.00	27.15	27.15		3000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E		WP	091.91	271.91	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-001584)	435551.00N/0840835.00W	1083	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V609	1				(US)
EN ROUTE	V78	1				(US)
IAP	RNAV (GPS) RWY 27		1	KGDW	GLADWIN	MI (US)
IAP	RNAV (GPS) RWY 9		1	KGDW	GLADWIN	MI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 04/17/2025

REASON FOR REVISION:
1. SEPARATED EN ROUTE V78-609 IN FIX USE.
2. DELETED "CONTROLLER" AND ADDED "CONTROLLER LOW" IN REQUIRED CHARTING.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** DANIEL JOHNSEN

APPROVED BY: **DATE:** 04/17/2025 **OFFICE:** AJV-A423 **NAME:** ALLAN WILL

SIGNATURE: