

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** SAULT STE MARIE VOR/DME      **STATE:** MI      **COUNTRY:** US      **ICAO REGION CODE:** K5  
**LATITUDE/LONGITUDE:** 462443.60N/0841853.54W      **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	SAULT STE MARIE	SSM	VOR/DME	H						45000

**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	SSM	VOR/DME	157.00	337.00	R	1		2400	10000	4	10
2	NE		WP	039.00	219.00	R		4	3000	10000	5	10

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	AAO	463448.00N/0841333.00W	1444	4E
1	200	AAO	462627.00N/0841324.00W	1024	4E
2	200	AAO	463442.00N/0841330.00W	1424	4E

**HOLDING RESTRICTIONS:**

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3200.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J101					(US)
EN ROUTE	J140					(US)
EN ROUTE	Q138					(US)
EN ROUTE	Q917					(US)
EN ROUTE	V193					(US)
EN ROUTE	V300					(US)
EN ROUTE	V316					(US)
EN ROUTE	V348					(US)
EN ROUTE	V36					(US)
EN ROUTE	V360					(US)
EN ROUTE	V45					(US)
IAP	HI-ILS OR LOC/DME RWY 1			KAPN	ALPENA	MI (US)
IAP	HI-TACAN RWY 19			KAPN	ALPENA	MI (US)
IAP	HI-VOR/DME OR TACAN RWY 1			KAPN	ALPENA	MI (US)
IAP	VOR RWY 23			KPLN	PELLSTON	MI (US)
IAP	RNAV (GPS) RWY 14			KANJ	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 32			KANJ	SAULT STE MARIE	MI (US)
IAP	VOR RWY 32		1	KANJ	SAULT STE MARIE	MI (US)
IAP	ILS RWY 16			KCIU	SAULT STE MARIE	MI (US)
IAP	NDB RWY 34			KCIU	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 10			KCIU	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 28			KCIU	SAULT STE MARIE	MI (US)
IAP	RNAV (GPS) RWY 34		2	KCIU	SAULT STE MARIE	MI (US)
STAR	PAITN			KORD	CHICAGO	IL (US)
STAR	WYNDE (RNAV)			KORD	CHICAGO	IL (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 13      **DATE OF REVISION:** 02/04/2016

**REASON FOR REVISION:**

UPDATED FIX USE.  
 REMOVED PAT 1.  
 ADDED "MILITARY IAP" TO REQUIRED CHARTING.

**DEVELOPED BY:**      **DATE:** 12/21/2015      **OFFICE:** AJV-5420      **NAME:** JACOB POWERS (ERIC KENNEDY)

**APPROVED BY:**      **DATE:** 12/29/2015      **OFFICE:** AJV-5420      **NAME:** GEORGE GONZALEZ

**SIGNATURE:**

**DISTRIBUTION:**    **NFDC**  
                         **FPO: CEN**  
                         **ARTCC: ZMP**  
                         **ATC FACILITY:**  
                         **OTHER: TORONTO CENTER**

# RADIO FIX AND HOLDING DATA RECORD

NAME: SAWYER VOR/DME STATE: MI COUNTRY: US ICAO REGION CODE: K5  
LATITUDE/LONGITUDE: 462132.12N/0872350.72W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	SAWYER	SAW	VOR/DME	H							45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (26-000551)	462642.00N/0873415.00W	1864	5E

## HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED BETWEEN 3000 AND 38000.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V133					(US)
EN ROUTE	V133-341					(US)
EN ROUTE	V224					(US)
EN ROUTE	V316					(US)
EN ROUTE	V341					(US)
IAP	ILS OR LOC RWY 1		KSAW		MARQUETTE	MI (US)
IAP	VOR RWY 19		KSAW		MARQUETTE	MI (US)
STAR	ERNNY (RNAV)		KORD		CHICAGO	IL (US)
STAR	MADII (RNAV)		KORD		CHICAGO	IL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 09/13/2018

## REASON FOR REVISION:

UPDATED NAVAID COORDINATES, NAVAID MOVED 0.70 FT.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 06/13/2018	OFFICE: AJV-5400	NAME: LONNIE EVERHART (TODD BOWLING)
APPROVED BY:	DATE:	OFFICE: AJV-5400	NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION: NFDC  
FPO: CEN  
ARTCC: ZMP  
ATC FACILITY: MSP  
OTHER: TORONTO ARTCC, AMGR