

RADIO FIX AND HOLDING DATA RECORD

NAME: JITOB

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 481101.44N/0962552.52W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	THIEF RIVER FALLS	TVF	VOR/DME	L	297.00	305.00	12.00	12.00		2700	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR Z RWY 13	1		KTVF	THIEF RIVER FALLS	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/25/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

Digitally signed by
DONALD H LANIER

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

Feb 22, 2019

QUALITY
41
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KATTO **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 480735.69N/0961831.36W **TYPE:** 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 NM	FAC FEET	MRA	MAA
1	THIEF RIVER FALLS	TVF	VOR/DME	L	297.00	305.00	6.00	6.00		2000	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 DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NW	TVF	VOR/DME	297.00	117.00	R	1	2700 8000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER	481248.00N/0962610.00W	1350	

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR Z RWY 13	1	1	KTVF	THIEF RIVER FALLS	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/25/2019

REASON FOR REVISION:

1. CHANGED VOR/DME RWY 13 AT TVF TO VOR Z RWY 13 IN FIX USE.
2. ADDED DIST FROM FAC 6.00 TO FAC 1.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-5431 **NAME:** LIAM DONAHUE

APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*

DONALD H LANIER

Feb 22, 2019

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER: AFO-520

QUALITY
41
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RADIO FIX AND HOLDING DATA RECORD

NAME: THIEF RIVER FALLS VOR/DME STATE: MN COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 480409.53N/0961111.31W 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	MAA
1	THIEF RIVER FALLS	TVF	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 DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SE	TVF	VOR/DME	132.00	312.00	R	1	2700 10000	4 9
2	NW	TVF	VOR/DME	297.00	117.00	R	1	2700 10000	4 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-001532)	480843.37N/0961158.96W	1631	1A
2	200	TOWER (27-001532)	480843.37N/0961158.96W	1631	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED MAG VAR TVF VOR/DME 8E, 1965 VALUE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V430					(US)
IAP	NDB RWY 13			KCKN	CROOKSTON	MN (US)
IAP	RNAV (GPS) RWY 13			KCKN	CROOKSTON	MN (US)
IAP	RNAV (GPS) RWY 31			KCKN	CROOKSTON	MN (US)
IAP	ILS OR LOC RWY 31		2	KTVF	THIEF RIVER FALLS	MN (US)
IAP	RNAV (GPS) RWY 22			KTVF	THIEF RIVER FALLS	MN (US)
IAP	RNAV (GPS) RWY 4			KTVF	THIEF RIVER FALLS	MN (US)
IAP	VOR RWY 31		1	KTVF	THIEF RIVER FALLS	MN (US)
IAP	VOR Y RWY 13	1	2	KTVF	THIEF RIVER FALLS	MN (US)
IAP	VOR Z RWY 13	1	2	KTVF	THIEF RIVER FALLS	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 DATE OF REVISION: 04/25/2019

REASON FOR REVISION:

CHANGED VOR/DME RWY 13 AT TVF TO VOR Z RWY 13 AND VOR RWY 13 AT TVF TO VOR Y RWY 13 IN FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-5431 NAME: LIAM DONAHUE
 APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE: Digitally signed by
 DONALD H LANIER

DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZMP
 ATC FACILITY:
 OTHER:

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RADIO FIX AND HOLDING DATA RECORD

NAME: UGACU

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 480211.66N/0962849.94W

TYPE: 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 NM	FAC FEET	MRA	MAA
1	THIEF RIVER FALLS	TVF	VOR/DME	L	252.68	260.68	12.00	12.00		2800	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V430					(US)
IAP	ILS OR LOC RWY 31	1		KTVF	THIEF RIVER FALLS	MN (US)
IAP	VOR Z RWY 13	1		KTVF	THIEF RIVER FALLS	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 04/25/2019

REASON FOR REVISION:

ADDED VOR Z RWY 13 AT KTVF TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-A43

NAME: PATRICK MULQUEEN

SIGNATURE:

Digitally signed by

DONALD H LANIER

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DISTRIBUTION:

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RADIO FIX AND HOLDING DATA RECORD

NAME: ZASEG

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 480419.85N/0961133.29W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	THIEF RIVER FALLS	TVF	VOR/DME	L	297.00	305.00	0.30	0.30		1420	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR Z RWY 13	1		KTVF	THIEF RIVER FALLS	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/25/2019

REASON FOR REVISION:

02/21/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 02/08/19.
1. STATE WAS CHANGED FROM MI TO MN.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

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