

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** HAMEY **STATE:** MT **COUNTRY:** US **ICAO REGION CODE:** K1

**LATITUDE/LONGITUDE:** 462107.96N/1140725.18W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

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

<b>FIX USE:</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
<b>USE TYPE</b> DP	HAMEY (RNAV)			KHRF	HAMILTON	MT (US)

**REQUIRED CHARTING:** DP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 10/07/2021

**REASON FOR REVISION:**

1. REMOVED FAC 1 "KHRF R16".
2. REMOVED KHRF IAPS RNAV (GPS)-A AND B FROM FIX USE.
3. ADDED HAMEY (RNAV) DEPARTURE TO FIX USE.
4. REMOVED HAMEY ONE RNAV DAPARTURE REMARK.

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

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A432 **NAME:** JANTZEN TAYLOR

**APPROVED BY:** **DATE:** **OFFICE:** AJV-A430 **NAME:** LONNIE EVERHART

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: WST  
ARTCC: ZLC  
ATC FACILITY: GEG APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ILUGE **STATE:** MT **COUNTRY:** US **ICAO REGION CODE:** K1

**LATITUDE/LONGITUDE:** 462914.61N/1140602.16W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

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

<b>FIX USE:</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
<b>USE TYPE</b>						
IAP	RNAV (GPS) RWY 17			KHRF	HAMILTON	MT (US)
IAP	RNAV (GPS)-A			KHRF	HAMILTON	MT (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 10/07/2021

**REASON FOR REVISION:**  
DELETED HAMEY FROM FIX MAKE-UP FACILITIES.  
DELETED 6S5 PROCEDURE FROM FIX USE.  
ADDED KHRF RNAV (GPS) RWY 17 AND RNAV (GPS-A) IAP'S TO FIX USE.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-A431	<b>NAME:</b> KELLY DEAN
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-A430	<b>NAME:</b> LONNIE EVERHART

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**  
**FPO:** WST  
**ARTCC:** ZLC  
**ATC FACILITY:** GEG APP CON  
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: MEXUE

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 464033.00N/1135939.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HAMEY (RNAV)			KHRF	HAMILTON	MT (US)
IAP	RNAV (GPS) RWY 17			KHRF	HAMILTON	MT (US)
IAP	RNAV (GPS)-A			KHRF	HAMILTON	MT (US)

REQUIRED CHARTING: DP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/07/2021

**REASON FOR REVISION:**

1. REMOVED FAC 1 "ILUGE" FROM FIX MAKE UP.
2. REMOVED IAPS K6S5 RNAV (GPS)-A AND B FROM FIX USE
3. ADDED KHRF HAMEY (RNAV) DP, RNAV (GPS) RWY 17, AND RNAV (GPS)-A TO FIX USE.
4. REMOVED HAMEY ONE RNAV DEPARTURE FROM REMARKS.
5. REMOVED PAT 1 FROM HOLDING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JANTZEN TAYLOR

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZLC  
ATC FACILITY: GEG APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: MISSOULA VOR/DME STATE: MT COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 465428.68N/1140501.15W TYPE:

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	MISSOULA	MSO	VOR/DME	L						17500

**FIX RESTRICTIONS:**

MCA V231 10000 SOUTHBOUND

**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	W	MSO	VOR/DME	289.00	109.00	R	1	9000 17500	9 16
2	S	MSO	VOR/DME	164.00	344.00	R	1	9100 17500	9 16
3	NW	MSO	VOR/DME	331.00	151.00	R	1	9600 14000	9 10
4	NW		WP	332.14	152.14	R		7 9400 17500	10 17

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	465436.20N/1142429.00W	7470	2C
2	230	AAO	464009.00N/1141056.00W	8724	2C
3	230	AAO	470227.00N/1135912.00W	8071	4E
3	310	AAO	470927.80N/1142127.10W	8196	6A
4	230	TOWER (30-000293)	470157.00N/1135933.00W	7703	4E
4	310	BUILDING (30-000128)	470228.00N/1135910.00W	7984	4E

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
1	230	380
2	230	339
3	310	305
3	230	319
4	230	380
4	310	380

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	GRZLY	KMSO	MISSOULA	MT (US)
4	HAMEY	KHRF	HAMILTON	MT (US)

**REMARKS:**

PAT 2 CONTROLLING OBSTACLE LOCATED 11712 FT IN SECONDARY.  
 PAT 3 CONTROLLING OBSTACLE LOCATED 8160 FT IN SECONDARY.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAGVAR: E13/2020.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HAMEY		4	KHRF	HAMILTON	MT (US)
DP	DIDLY			KMSO	MISSOULA	MT (US)
DP	GRZLY		3	KMSO	MISSOULA	MT (US)
DP	MZULA			KMSO	MISSOULA	MT (US)
EN ROUTE	T268					(US)
EN ROUTE	T276					(US)
EN ROUTE	T317					(US)
EN ROUTE	V187					(US)
EN ROUTE	V2					(US)
EN ROUTE	V231					(US)
EN ROUTE	V86					(US)
IAP	KHRF RNAV (GPS)-A		4	6S5	HAMILTON	MT (US)
IAP	RNAV (GPS) RWY 17		4	KHRF	HAMILTON	MT (US)
IAP	ILS Y RWY 12		2	KMSO	MISSOULA	MT (US)
IAP	ILS Z RWY 12			KMSO	MISSOULA	MT (US)
IAP	RNAV (RNP) RWY 30			KMSO	MISSOULA	MT (US)
IAP	VOR-A		2	KMSO	MISSOULA	MT (US)
IAP	VOR-B			KMSO	MISSOULA	MT (US)
IAP	RNAV (GPS)-A			32S	STEVENSVILLE	MT (US)
SPECIAL DP	BITTERROOT			KMSO	MISSOULA	MT (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 15

**DATE OF REVISION:** 10/07/2021

**REASON FOR REVISION:**

1. REMOVED AIRSPACE DOCKET 17-ANM-24.
2. REMOVED K6S5 IAP RNAV(GPS)-A FROM FIX USE.
3. UPDATED HAMILTON AIRPORT IDENTIFIER TO KHRF FOR HAMEY ODP .
4. CHANGED PAT 4 FROM LEVEL HOLDING TO CLIMB-IN-HOLD.
5. ADDED 7984 BUILDING AS PAT 4 CLIMB-IN-HOLD CONTROLLING OBSTACLE .
6. CHANGED PAT 4 RADIAL AND COURSE INBOUND FROM "331.14/151.14" TO "332.14/152.14"
7. REMOVED " MISSOULA (FAC 1) USED TO ESTABLISH FIX COORDINATES FROM REMARKS.
8. CHANGED DISTRIBUTION ATC FACILITY FROM GEG TOWER TO GEG APP CON.
9. ADDED KHRF IAP RNAV (GPS) RWY 17 TO FIX USE.
10. ADDED KHRF IAP RNAV (GPS)-A TO FIX USE.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** JANTZEN TAYLOR

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A430

**NAME:** LONNIE EVERHART

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO:** WST  
**ARTCC:** ZLC  
**ATC FACILITY:** GEG APP CON  
**OTHER:** MSO TOWER