

RADIO FIX AND HOLDING DATA RECORD

NAME: ACAFI

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 462154.74N/1140718.50W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

IAP
IAP

USE TITLE

RNAV (GPS) RWY 17
RNAV (GPS)-A

FAC PAT

AIRPORT IDENT

KHRF
KHRF

CITY

HAMILTON
HAMILTON

STATE

MT (US)
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/07/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: KELLY DEAN

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

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
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.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** KELLY DEAN
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: 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 MIN	ALTITUDES 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		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	310	380
4	230	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 (RNAV)	KHRF	HAMILTON	MT (US)

REMARKS:

MISSOULA (FAC 1) USED TO ESTABLISH FIX COORDINATES.
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 (RNAV)		4	KHRF	HAMILTON	MT (US)
DP	DIDL			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	RNAV (GPS) RWY 17		4	KHRF	HAMILTON	MT (US)
IAP	RNAV (GPS)-A		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.

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NAME:

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AJV-A432

NAME: JANTZEN TAYLOR

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DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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