

RADIO FIX AND HOLDING DATA RECORD

NAME: AJPUD

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 463800.68N/1104728.36W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 1

FAC

PAT

AIRPORT IDENT
7S6

CITY

WHITE SULPHUR SPRINGS

STATE

MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/09/2026

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: NICHOLAS HEIDERSTADT

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by

ROBERT G HAMILTON

Jun 09, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: ANNEM

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 464141.32N/1113046.13W

TYPE: INT, 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 FEET	MRA	MAA
1	GREAT FALLS	GTF	VORTAC	VH	169.24	185.24	45.52	45.52	12000	17500
2	HELENA	HLN	VORTAC	VH	061.67	073.67	18.96	18.96	10200	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GTF	VORTAC	R-169	46	12000	17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

REMARKS:

ATC COORDINATION FIX
GREAT FALLS (FAC 1) AND HELENA (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V113	1, 2				(US)
EN ROUTE	V536	1, 2				(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/09/2026

REASON FOR REVISION:

REMOVED 7S6 RNAV (GPS) RWY 1 REMOVED FROM FIX USE
REMOVED IAP FROM CHARTING
CANCELLED HOLDING PAT 1
CHANGED GTF CLASS TO VH
CHANGED HLN CLASS TO VH
REMOVED PRECIPITOUS TERRAIN EVALUATION COMPLETED FROM REMARKS
REMOVED WP FROM TYPE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: NICHOLAS HEIDERSTADT

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Jun 09, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: BAXTA

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 461937.25N/1095312.54W

TYPE: WP, INT, 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	FEET	MRA	MAA
1	BILLINGS	BIL	VORTAC	VH	287.00	301.00	61.22	61.22		7000	17500
2	LEWISTOWN	LWT	VOR/DME	VH	180.00	195.00		45.09		10000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BIL	VORTAC	R-287	62	7000	17500
LWT	VOR/DME	R-180	46	10000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

LEWISTOWN (FAC 2) USED TO ESTABLISH FIX COORDINATES.
V247 MEA IS 10500, BUT CURRENT 7000 MRA IS RETAINED IN -2 FAC DATA PER FLIGHT CHECK REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V247	1, 2				(US)
IAP	RNAV (GPS) RWY 27			HWQ	HARLOWTON	MT (US)
IAP	RNAV (GPS) RWY 9			HWQ	HARLOWTON	MT (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 07/09/2026

REASON FOR REVISION:

REMOVED 7S6 RNAV (GPS) RWY 1 FROM FIX USE.
CHANGED BIL CLASS TO VH
ADDED FACS 1 AND 2 TO FIX USE V247

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: NICHOLAS HEIDERSTADT

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

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Jun 09, 2026



RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 454702.04N/1110919.64W 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	BOZEMAN	BZN	VOR/DME	VH							45000

FIX RESTRICTIONS:

MCA V86 10200 SOUTHEAST BOUND
MCA V365 10200 SOUTHEAST BOUND
MCA V343 10500 SOUTHBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	W	BZN	VOR/DME	283.88	103.88	R	1		8000	17500	8	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	454724.00N/1105857.00W	7874	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PATTERN PER ATC REQUEST.
CONTROLLING OBSTACLE IN SECONDARY AREA, PRIMARY EQ ELEVATION 6890.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BILLINGS			KBIL	BILLINGS	MT (US)
DP	BOZEMAN			KBZN	BOZEMAN	MT (US)
DP	TAKE-OFF MINIMUMS			KBZN	BOZEMAN	MT (US)
DP	STAKK			KHLN	HELENA	MT (US)
DP	BILLINGS			6S8	LAUREL	MT (US)
DP	LIVINGSTON			KLVM	LIVINGSTON	MT (US)
EN ROUTE	V343					(US)
EN ROUTE	V365					(US)
EN ROUTE	V536					(US)
EN ROUTE	V86					(US)
IAP	ILS Y OR LOC Y RWY 12			KBZN	BOZEMAN	MT (US)
IAP	ILS Z OR LOC Z RWY 12			KBZN	BOZEMAN	MT (US)
IAP	RNAV (GPS) - A			KBZN	BOZEMAN	MT (US)
IAP	VOR RWY 12			KBZN	BOZEMAN	MT (US)

REQUIRED CHARTING: DP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 19

DATE OF REVISION: 07/09/2026

REASON FOR REVISION:

REMOVED 7S6 RNAV (GPS) RWY 1 FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: NICHOLAS HEIDERSTADT

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Jun 09, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: GOUGE

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 462616.49N/1113443.01W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 1

FAC

PAT

AIRPORT IDENT
7S6

CITY

WHITE SULPHUR SPRINGS

STATE

MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: DANIEL WESTON

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A433

NAME: NICHOLAS HEIDERSTADT

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Jun 09, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: GRETI

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 464624.64N/1102831.69W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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	S		WP	185.16	005.16	R	7	12000 12000	10 18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	464818.00N/1103233.00W	8419	4B
1	310	AAO	465536.00N/1103245.00W	9016	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	340
1	310	350

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 1	7S6	WHITE SULPHUR SPRINGS	MT (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 1		1	7S6	WHITE SULPHUR SPRINGS	MT (US)
IAP	RNAV (GPS) RWY 19		1	7S6	WHITE SULPHUR SPRINGS	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/09/2026

REASON FOR REVISION:

ADDED 7S6 RNAV (GPS) RWY 1 TO FIX USE
UPDATED PAT 1 MAX TEMPLATE SIZE TO P-18
ADDED 310 KT CONTROLLING OBSTACLE TO PAT 1 9016 AAO

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: NICHOLAS HEIDERSTADT

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by

ROBERT G HAMILTON

Jun 09, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: HELENA VORTAC

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 463624.56N/1115712.51W

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	HELENA	HLN	VORTAC	VH							45000

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	E	HLN	VORTAC	075.00	255.00	R	1		8000	10000	4	4
2	N	HLN	VORTAC	340.00	160.00	R		7	12000	14000	10	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	100	AAO	463551.00N/1114354.00W	5528	4E
2	230	AAO	463136.00N/1120336.00W	6739	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	100	210
2	230	300

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED MAG/VAR: E12/2025.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BILLINGS			BIL	BILLINGS	MT (US)
DP	DIVIDE			HLN	HELENA	MT (US)
DP	HELENA			HLN	HELENA	MT (US)
DP	SIEBE			HLN	HELENA	MT (US)
DP	STAKK			HLN	HELENA	MT (US)
DP	BILLINGS			6S8	LAUREL	MT (US)
DP	VICTO (RNAV)			MSO	MISSOULA	MT (US)
EN ROUTE	J136					(US)
EN ROUTE	J34					(US)
EN ROUTE	J90					(US)
EN ROUTE	T268					(US)
EN ROUTE	V113					(US)
EN ROUTE	V2					(US)
EN ROUTE	V21					(US)
EN ROUTE	V247					(US)
EN ROUTE	V365					(US)
IAP	COPTER VOR 258		1	HLN	HELENA	MT (US)
IAP	ILS Y OR LOC Y RWY 27			HLN	HELENA	MT (US)
IAP	ILS Z OR LOC Z RWY 27			HLN	HELENA	MT (US)
IAP	RNAV (GPS) Y RWY 09			HLN	HELENA	MT (US)
IAP	RNAV (RNP) Y RWY 27			HLN	HELENA	MT (US)
IAP	RNAV (RNP) Z RWY 09		2	HLN	HELENA	MT (US)
IAP	RNAV (RNP) Z RWY 27			HLN	HELENA	MT (US)
IAP	VOR-A			HLN	HELENA	MT (US)
IAP	VOR-B			HLN	HELENA	MT (US)
IAP	RNAV (GPS)-A			S69	LINCOLN	MT (US)

REQUIRED CHARTING: DP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 20

DATE OF REVISION: 07/09/2026

REASON FOR REVISION:

REMOVED 7S6 RNAV (GPS) RWY 1 FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: NICHOLAS HEIDERSTADT



APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Jun 09, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: JETOX

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 460540.72N/1110244.57W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 1

FAC

PAT

AIRPORT IDENT
7S6

CITY
WHITE SULPHUR SPRINGS

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: DANIEL WESTON

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A433

NAME: NICHOLAS HEIDERSTADT

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Jun 09, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: MOMHE

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 461550.87N/1103403.04W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX NAME RETAINED FOR OPERATIONAL ADVANTAGE

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 1

FAC

PAT

AIRPORT IDENT
7S6

CITY
WHITE SULPHUR SPRINGS

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/09/2026

REASON FOR REVISION:

FIX MOVED FROM 1.98 NM EAST 461534.64N/1103652.66W TO 461550.87N/1103403.04W

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: NICHOLAS HEIDERSTADT

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

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Jun 09, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: WEMBO

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 463806.93N/1111544.36W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 1

FAC

PAT

AIRPORT IDENT
7S6

CITY

WHITE SULPHUR SPRINGS

STATE

MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

INITIATED BY:

DATE:

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OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: DANIEL WESTON

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A433

NAME: NICHOLAS HEIDERSTADT

SIGNATURE:

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