

RADIO FIX AND HOLDING DATA RECORD

NAME: GRAAM

STATE: MT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 465827.15N/1100549.45W

TYPE: WP

AIRSPACE DOCKET: 24-ANM-108

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 30

FAC

PAT

AIRPORT IDENT
S64

CITY
STANFORD

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/07/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA

Apr 01, 2025

QUALITY
42
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JUGAP

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 463842.20N/1094553.32W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 24-ANM-108

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	303.00	317.00	69.11	69.11		8000	17500
2	LEWISTOWN	LWT	VOR/DME	VH	180.00	195.00		25.34		8000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BIL	VORTAC	R-303	70	8000	17500

FIX RESTRICTIONS:

MCA V187 9500 NORTHWEST BOUND
MCA T317 8400 NORTHWEST BOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

BILLINGS (FAC 1) AND LEWISTOWN (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T317					(US)
EN ROUTE	V187	1, 2				(US)
IAP	RNAV (GPS) RWY 30			S64	STANFORD	MT (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

1. REMOVED DOCKET #17-ANM-24 .
2. ADDED DOCKET #24-ANM-108.
3. UPDATED FAC 1 AND FAC 2 CLASS FROM H TO VH.
4. ADDED IAP TO REQUIRED CHARTING.
5. ADDED S64 RNAV (GPS) RWY 30 TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Apr 01, 2025

QUALITY
42
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KWYET

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 470532.76N/1100721.73W

TYPE: WP

AIRSPACE DOCKET: 24-ANM-108

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 30

FAC

PAT

AIRPORT IDENT
S64

CITY
STANFORD

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/07/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 07/03/2025

OFFICE: AD-400 signed by

NAME: CASIMIR TABAKA

SIGNATURE:

CASIMIR L TABAKA

Apr 01, 2025

QUALITY
42
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LEWISTOWN VOR/DME

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 470310.69N/1093622.21W

TYPE:

AIRSPACE DOCKET: 24-ANM-108

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	LEWISTOWN	LWT	VOR/DME	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	W	LWT	VOR/DME	274.00	094.00	R	1	5900 17500	5 16
2	E		WP	092.61	272.61	R	5	7200 17500	9 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	465839.00N/1093530.00W	4603	4E
1	230	AAO	465818.00N/1093036.00W	4758	4E
1	265	AAO	465648.00N/1092930.00W	5351	4E
1	310	AAO	470948.00N/1093239.00W	5804	4E
2	230	AAO	470906.00N/1092118.00W	6172	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINS	KLWT	LEWISTOWN	MT (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FAC MAG VAR E15 1990.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BILLINGS			KBIL	BILLINGS	MT (US)
DP	STAKK			KHLN	HELENA	MT (US)
DP	BILLINGS			6S8	LAUREL	MT (US)
DP	TAKEOFF MINS		1	KLWT	LEWISTOWN	MT (US)
EN ROUTE	J70					(US)
EN ROUTE	V113					(US)
EN ROUTE	V120					(US)
EN ROUTE	V611					(US)
IAP	RNAV (GPS) RWY 26			KLWT	LEWISTOWN	MT (US)
IAP	RNAV (GPS) RWY 8		2	KLWT	LEWISTOWN	MT (US)
IAP	VOR RWY 8		1	KLWT	LEWISTOWN	MT (US)
IAP	RNAV (GPS) RWY 12			S64	STANFORD	MT (US)
IAP	RNAV (GPS) RWY 30			S64	STANFORD	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

1. ADDED DOCKET# 24-ANM-108.
2. ADDED S64 RNAV (GPS) RWY 12 TO FIX USE.
3. ADDED S64 RNAV (GPS) RWY 30 TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA

Apr 01, 2025

QUALITY
42
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: STERA

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 464937.46N/1095145.16W

TYPE: WP

AIRSPACE DOCKET: 24-ANM-108

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 30

FAC

PAT

AIRPORT IDENT
S64

CITY
STANFORD

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/07/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
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Apr 01, 2025

QUALITY
42
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TEKOE

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 465621.31N/1101358.88W

TYPE: WP, DME

AIRSPACE DOCKET: 24-ANM-108

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	GREAT FALLS	GTF	VORTAC	VH	106.00	122.00	57.16	57.16		13000	17500
2	LEWISTOWN	LWT	VOR/DME	VH	240.38	255.38	26.63	26.63		11100	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

GREAT FALLS (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V113	2				(US)
EN ROUTE	V187	1				(US)
IAP	RNAV (GPS) RWY 9			KHWQ	HARLOWTON	MT (US)
IAP	RNAV (GPS) RWY 30			S64	STANFORD	MT (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

1. ADDED DOCKET# 24-ANM-108
2. ADDED S64 RNAV (GPS) RWY 30 TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Apr 01, 2025

QUALITY
42
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WABMI

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 470032.41N/1095739.39W

TYPE: WP

AIRSPACE DOCKET: 24-ANM-108

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

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	SE		WP	116.10	296.10	R	7	8000	10000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	465206.00N/1093654.00W	5335	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	80

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 30		1	S64	STANFORD	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Apr 01, 2025

QUALITY
42
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YOGOS

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 471930.51N/1104937.75W

TYPE: WP, DME

AIRSPACE DOCKET: 24-ANM-108

FIX TYPE OF ACTION: NO CHANGE

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	091.23	107.23	25.00	25.00		8400	17500

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

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		WP	282.52	102.52	R	7	8500 12000	10 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	472212.00N/1103833.00W	7064	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	140

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PATTERN 1 OBSTACLE LOCATED 12022 FEET IN THE SECONDARY AREA WITH -994 ADJUSTMENT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T276					(US)
EN ROUTE	V120	1				(US)
IAP	RNAV (RNP) Z RWY 21			KGTF	GREAT FALLS	MT (US)
IAP	RNAV (GPS) RWY 12			S64	STANFORD	MT (US)
IAP	RNAV (GPS) RWY 30		1	S64	STANFORD	MT (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET# 24-ANM-108.
2. ADDED S64 RNAV (GPS) RWY 12 TO FIX USE.
3. ADDED S64 RNAV (GPS) RWY 30 TO FIX USE.
4. ADDED HOLDING PAT 1 AND ASSOCIATIONS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Apr 01, 2025

QUALITY
42
CHECKED