

RADIO FIX AND HOLDING DATA RECORD

NAME: ANGIL STATE: MT COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 475752.40N/1140928.49W TYPE: WP, 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 FAC NM	MRA	MAA
1	KALISPELL	FCA	VOR/DME	DH	159.23	177.23	15.00	15.00	8600	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	S		WP	160.23	340.23	L		7	10000	14000	10	11
2	N		WP	342.23	162.23	R		7	10000	12000	10	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (30-000097)	480039.00N/1142148.00W	7004	5E
1	310	AAO	474336.00N/1135809.00W	7461	4E
2	230	TOWER (30-000097)	480039.00N/1142148.00W	7004	5E
2	310	AAO	481648.00N/1140518.00W	7343	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	283
1	310	304
2	230	350
2	310	380

REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ANGIL (OBSTACLE) (RNAV)	8S1	POLSON	MT (US)
1	RONAN (RNAV)	7S0	RONAN	MT (US)
2	RNAV (RNP) RWY 20	KGPI	KALISPELL	MT (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ANGIL (OBSTACLE) (RNAV)		1	8S1	POLSON	MT (US)
DP	RONAN (RNAV)		1	7S0	RONAN	MT (US)
EN ROUTE	V231	1				MT (US)
IAP	RNAV (GPS) RWY 30			KGPI	KALISPELL	MT (US)
IAP	RNAV (RNP) RWY 20		2	KGPI	KALISPELL	MT (US)
IAP	RNAV (RNP) Y RWY 2		2	KGPI	KALISPELL	MT (US)
IAP	RNAV (GPS) RWY 16			7S0	RONAN	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

FIX USE: REMOVED DP KALISPELL (RNAV) AT KGPI. - PROCEDURE CANCELLATION.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 NAME: LEO PALMER
 APPROVED BY: DATE: 07/03/2025 OFFICE: AJV-A421 NAME: DAVID DANNER
 SIGNATURE: Digitally signed by DAVID DANNER
 Apr 01, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: CHOTE

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 473956.68N/1120938.13W

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	GREAT FALLS	GTF	VORTAC	VH	277.34	293.34	33.06	33.06	7000	17500
2	CUT BANK	CTB	VOR/DME	VL	155.19	172.19	54.48	54.48	7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CTB	VOR/DME	R-155	55	7000	17500

FIX RESTRICTIONS:

MCA V536 9200 WESTBOUND

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	S		WP	176.75	356.75	L	7	7000 10000	9 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	473921.00N/1122054.00W	4938	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 PER ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

GREAT FALLS (FAC 1) AND CUT BANK (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	Q140					(US)
EN ROUTE	V365	1, 2				(US)
EN ROUTE	V536	1, 2				(US)
IAP	RNAV (GPS) RWY 33		1	KCII	CHOTEAU	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 08/07/2025

REASON FOR REVISION:

FIX MAKE-UP: GTF CLASS CHANGED FROM H TO VH. - UPDATED DATA.
FIX MAKE-UP: CTB CLASS CHANGED FROM L TO VL. - UPDATED DATA.
FIX USE: REMOVED DP KALISPELL (RNAV) AT KGPI. - PROCEDURE CANCELLATION.
REQUIRED CHARTING: REMOVED DP. - KALISPELL PROCEDURE CANCELLATION.
REQUIRED CHARTING: ADDED CONTROLLER LOW, CONTROLLER HIGH. - TO MATCH ENROUTE LOW, ENROUTE HIGH CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: LEO PALMER

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

Digitally signed by

DAVID DANNER

Apr 01, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: GRCON

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 475524.15N/1135200.52W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
DP

USE TITLE
KALISPELL (RNAV)

FAC

PAT

AIRPORT IDENT
KGPI

CITY
KALISPELL

STATE
MT (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

FIX CANCELLED DUE TO KALISPELL (RNAV) PROCEDURE CANCELLATION.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 12/27/2016

OFFICE: AJV-5422

NAME: PETER GUIMOND

APPROVED BY:

DATE: 07/03/2025

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

Digitally signed by

DAVID DANNER

Apr 01, 2025

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY:
OTHER:

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUCKL STATE: MT COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 481459.28N/1141907.36W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

HOLDING: HOLDING TYPE OF ACTION:

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE DP	KALISPELL (RNAV)			KGPI	KALISPELL	MT (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG DATE OF REVISION: 06/22/2017

REASON FOR REVISION:
FIX CANCELLED DUE TO KALISPELL (RNAV) PROCEDURE CANCELLATION.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 12/27/2016	OFFICE: AJV-5422	NAME: PETER GUIMOND
APPROVED BY:	DATE: 07/03/2025	OFFICE: AJV-A421	NAME: DAVID DANNER

DISTRIBUTION:	SIGNATURE:	<i>Digitally signed by</i>
		DAVID DANNER
		Apr 01, 2025
	NFDC	
	FPO: WST	
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QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SKOTT

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 474253.99N/1140824.27W

TYPE: WP, INT, 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 FAC NM FEET	MRA	MAA
1	KALISPELL	FCA	VOR/DME	VH	159.23	177.23	30.00	30.00	8600	17500
2	MULLAN PASS	MLP	VOR/DME	VH	060.23	075.23		63.10	12000	17500

FIX RESTRICTIONS:

MRA V231 12000 SOUTHBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

KALISPELL (FAC 1) AND MULLAN PASS (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	RIDDG (RNAV)			KGPI	KALISPELL	MT (US)
DP	SKOTT (OBSTACLE)	1, 2		KGPI	KALISPELL	MT (US)
DP	VICTO (RNAV)			KMSO	MISSOULA	MT (US)
DP	ANGIL (OBSTACLE) (RNAV)			8S1	POLSON	MT (US)
EN ROUTE	V231	1, 2				(US)
IAP	ILS OR LOC RWY 2			KGPI	KALISPELL	MT (US)
IAP	RNAV (RNP) RWY 20			KGPI	KALISPELL	MT (US)
IAP	RNAV (RNP) Y RWY 2			KGPI	KALISPELL	MT (US)

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

COMPULSORY REPORTING POINT: NO

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