

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

FIX RESTRICTIONS:
MCA T581 7500 NORTHBOUND

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)

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	T581					(US)
EN ROUTE	V231	1				(US)
IAP	RNAV (GPS) RWY 30			GPI	KALISPELL	MT (US)
IAP	RNAV (RNP) RWY 20		2	GPI	KALISPELL	MT (US)
IAP	RNAV (RNP) Y RWY 2		2	GPI	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: 13 **DATE OF REVISION:** 09/03/2026

REASON FOR REVISION:
1. FIX USE TYPE: ADDED T581.
2. FIX RESTRICTIONS: ADDED "MCA T581 7500 NORTHBOUND".

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A33 **NAME:** THOMAS KUKLISH



APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A33

NAME: KYLE THOMPSON

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: EMIBE

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 471926.29N/1140645.01W

TYPE: 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	FAC FEET	MRA	MAA
1	MISSOULA	MSO	VOR/DME	VL	344.30	357.30	25.00	25.00		11000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	T581					(US)
EN ROUTE	V231	1				MT (US)
IAP	ILS Y RWY 12	1		MSO	MISSOULA	MT (US)
IAP	ILS Z RWY 12	1		MSO	MISSOULA	MT (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX MAKE UP FACILITIES: MSO VOR/DME FROM "L" TO "VL".
2. FIX USE TYPE: ADDED T581.
3. REQUIRED CHARTING: ADDED CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: THOMAS KUKLISH

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A33

NAME: KYLE THOMPSON

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: JESSY STATE: MT COUNTRY: US ICAO REGION CODE: K1
LATITUDE/LONGITUDE: 472325.89N/1140701.78W 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	KALISPELL	FCA	VOR/DME	DH	159.23	177.23	49.50	49.50		13000	17500
2	MULLAN PASS	MLP	VOR/DME	VH	078.10	093.10		62.41		13000	17500
3	MISSOULA	MSO	VOR/DME	VL	344.30	357.30	29.00	29.00		13000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FCA	VOR/DME	R-159	50	13000	17500
MLP	VOR/DME	R-078	63	13000	17500

FIX RESTRICTIONS:

MCA V231 13000 NORTHBOUND

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	DIDL Y	1, 2, 3		MSO	MISSOULA	MT (US)
DP	MZULA	1, 2, 3		MSO	MISSOULA	MT (US)
EN ROUTE	T581					(US)
EN ROUTE	V231	1, 2, 3				(US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX MAKE UP FACILITIES: FCA VOR/DME CLASS UPDATED FROM "H" TO "DH".
2. FIX MAKE UP FACILITIES: MLP VOR/DME FROM "H" TO "VH".
3. FIX MAKE UP FACILITIES: MSO VOR/DME FROM "L" TO "VL".
4. FIX USE TYPE: ADDED T581.

INITIATED BY: DATE: ORGANIZATION: NAME:
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A33 NAME: THOMAS KUKLISH
APPROVED BY: DATE: 07/30/2026 OFFICE: AJV-A33 NAME: KYLE THOMPSON
SIGNATURE:



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	FAC 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:

MCA T581 8300 SOUTHBOUND
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)			GPI	KALISPELL	MT (US)
DP	SKOTT (OBSTACLE)	1, 2		GPI	KALISPELL	MT (US)
DP	VICTO (RNAV)			MSO	MISSOULA	MT (US)
DP	ANGIL (OBSTACLE) (RNAV)			8S1	POLSON	MT (US)
EN ROUTE	T581					(US)
EN ROUTE	V231	1, 2				(US)
IAP	ILS OR LOC RWY 2	1, 2		GPI	KALISPELL	MT (US)
IAP	RNAV (RNP) RWY 20			GPI	KALISPELL	MT (US)
IAP	RNAV (RNP) Y RWY 2			GPI	KALISPELL	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX TYPE USE: ADDED T581.
2. FIX RESTRICTIONS: ADDED "MCA T581 8300 SOUTHBOUND".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: THOMAS KUKLISH

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A33

NAME: KYLE THOMPSON

SIGNATURE:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 470727.30N/1140600.88W **TYPE:** 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	FAC FEET	MRA	MAA
1	MISSOULA	MSO	VOR/DME	VL	344.00	357.00	13.00	13.00		9200	17500

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

REMARKS:
CONTROLLER LOW PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR-A	1		MSO	MISSOULA	MT (US)

REQUIRED CHARTING: IAP, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/03/2026

REASON FOR REVISION:

1. FIX MAKE UP FACILITIES: MSO VOR/DME FROM "L" TO "VL".
2. FIX USE TYPE: REMOVED V232 - PER COORDINATION WITH THE FPT.
3. REMARKS: ADDED CONTROLLER LOW PER ATC REQUEST.
4. REQUIRED CHARTING: "CONTROLLER" CHANGED TO "CONTROLLER LOW".

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A33 **NAME:** THOMAS KUKLISH

APPROVED BY: **DATE:** 07/30/2026 **OFFICE:** AJV-A33 **NAME:** KYLE THOMPSON

SIGNATURE:

