

RADIO FIX AND HOLDING DATA RECORD

NAME: CIRDI

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 453838.93N/1072851.96W

TYPE: WP

AIRSPACE DOCKET: 19-ANM-6

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 26

FAC PAT

AIRPORT IDENT CITY
K00U HARDIN

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/30/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ALEXANDER MILES

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

DAVID DANNER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: BIL APP CON
OTHER:

Apr 27, 2020

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COGON

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 454440.15N/1072333.62W

TYPE: WP

AIRSPACE DOCKET: 19-ANM-6

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	E		WP	080.03	260.03	R	7	6500	10000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	454539.00N/1070024.00W	4226	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 26		1	K00U	HARDIN	MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/21/2020

REASON FOR REVISION:

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 01/20/20.

1. LEG LENGTH CHANGED FROM 5 DME TO 7 DME.
2. MIN HOLDING ALT CHANGED FROM 5500 TO 6500.
3. MAX HOLDING ALT CHANGED FROM 6000 TO 10000.
4. MIN TEMPLATE CHANGED FROM 6 TO 9.
5. MAX TEMPLATE CHANGED FROM 6 TO 10.
6. CONTROLLING OBSTRUCTION AIRSPEED CHANGED FROM 200 TO 230, COORDINATES FROM 454633.00N/1071103.00W TO 454539.00N/1070024.00W, AND ELEVATION FROM 4036 TO 4226.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ALEXANDER MILES

APPROVED BY:

DATE:

OFFICE: AVJ-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

DAVID DANNER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: BIL APP CON
OTHER:

Apr 27, 2020

QUALITY
35
CHECKED

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 460913.42N/1070333.51W TYPE: WP, DME

AIRSPACE DOCKET: 19-ANM-6 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	BILLINGS	BIL	VORTAC	H	057.89	071.89	68.69	68.69		6000	17500
2	MILES CITY	MLS	VOR/DME	H	244.81	253.81	48.03	48.03		6000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BIL	VORTAC	R-058	69	6000	17500
MLS	VOR/DME	R-245	49	6000	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	HOLDING ALTITUDES DME MIN MAX	TEMPLATES MIN MAX
1	NE		WP	064.81	244.81	R		5 6000 11000	6 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	460548.00N/1065939.00W	3898	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

MILES CITY (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CONUK (RNAV)			KM46	COLSTRIP	MT (US)
EN ROUTE	V2-465	1, 2				(US)
IAP	RNAV (GPS) RWY 27		1	K1S3	FORSYTH	MT (US)
IAP	RNAV (GPS) RWY 26			K00U	HARDIN	MT (US)
STAR	KUSTR (RNAV)			KBIL	BILLINGS	MT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

ADDED K00U RNAV (GPS) RWY 26 TO FIX USE.
ADDED "CONTROLLER LOW" TO REQUIRED CHARTING.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A421	NAME: ALEXANDER MILES
APPROVED BY:	DATE:	OFFICE: AJV-A420	NAME: MARLON ROBINSON
	SIGNATURE:	Digitally signed by DAVID DANNER	
DISTRIBUTION:		Apr 27, 2020	

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: BIL APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JADLO

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 454439.99N/1073625.92W

TYPE: WP

AIRSPACE DOCKET: 19-ANM-6

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 26

FAC PAT

AIRPORT IDENT CITY
K00U HARDIN

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/30/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ALEXANDER MILES

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

DAVID DANNER

Apr 27, 2020

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: BIL APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NIBBE **STATE:** MT **COUNTRY:** US **ICAO REGION CODE:** K1
LATITUDE/LONGITUDE: 455611.90N/1080325.99W **TYPE:** WP, DME
AIRSPACE DOCKET: 19-ANM-6 **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	BILLINGS	BIL	VORTAC	H	057.89	071.89	25.00	25.00		5100	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	NE		WP	063.81	243.81	R	5	6000 6000	6 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AA0	455224.00N/1080536.00W	4075	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V2	1				(US)
EN ROUTE	V465	1				(US)
IAP	RNAV (GPS) RWY 25			KBIL	BILLINGS	MT (US)
IAP	RNAV (GPS) Y RWY 28R			KBIL	BILLINGS	MT (US)
IAP	RNAV (GPS) RWY 26		1	K00U	HARDIN	MT (US)
IAP	RNAV (GPS) RWY 22			K6S8	LAUREL	MT (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 01/30/2020

REASON FOR REVISION:

ADDED K00U RNAV (GPS) RWY 26 TO FIX USE.
 ADDED HOLDING.
 ADDED "CONTROLLER LOW" TO REQUIRED CHARTING.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A421	NAME: ALEXANDER MILES
APPROVED BY:	DATE:	OFFICE: AJV-A420	NAME: MARLON ROBINSON
	SIGNATURE:	<i>Digitally signed by</i> DAVID DANNER Apr 27, 2020	
DISTRIBUTION:	NFDC FPO: WST ARTCC: ZLC ATC FACILITY: BIL APP CON OTHER:		



RADIO FIX AND HOLDING DATA RECORD

NAME: OVIBY

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 454440.03N/1073207.68W

TYPE: WP

AIRSPACE DOCKET: 19-ANM-6

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 26

FAC PAT AIRPORT IDENT CITY
K00U HARDIN

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/30/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ALEXANDER MILES

APPROVED BY:

DATE:

OFFICE: AJV-A420
Digitally signed by

NAME: MARLON ROBINSON

SIGNATURE:

DAVID DANNER

Apr 27, 2020

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: BIL APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WIMEN

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 454440.02N/1073443.70W

TYPE: WP

AIRSPACE DOCKET: 19-ANM-6

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 26

FAC PAT

AIRPORT IDENT CITY
K00U HARDIN

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/30/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ALEXANDER MILES

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by
DAVID DANNER

Apr 27, 2020

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: BIL APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZAGHI

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 452755.87N/1073815.24W

TYPE: INT, DME

AIRSPACE DOCKET: 19-ANM-6

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	SHERIDAN	SHR	VOR/DME	L	317.00	327.00	44.70	44.70		8000	17500
2	BILLINGS	BIL	VORTAC	H	102.00	116.00	46.37	46.37		8000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SHR	VOR/DME	R-317	45	8000	17500
BIL	VORTAC	R-102	47	8000	14500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SHERIDAN (FAC 1) AND BILLINGS (FAC 2) USED TO ESTABLISH FIX COODINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V247					(US)
IAP	RNAV (GPS) RWY 26			K00U	HARDIN	MT (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

ADDED K00U RNAV (GPS) RWY 26 TO FIX USE.
ADDED FACS USED TO ESTABLISH FIX COORDINATES.
ADDED "IAP" AND "CONTROLLER LOW" TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A420

NAME: ALEXANDER MILES

APPROVED BY:

DATE:

OFFICE: AJV-A421

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

DAVID DANNER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: BILL APP CON
OTHER:

Apr 27, 2020

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZEVOP

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 454438.90N/1074905.70W

TYPE: WP

AIRSPACE DOCKET: 19-ANM-6

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 26

FAC PAT

AIRPORT IDENT CITY
K00U HARDIN

STATE
MT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/30/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ALEXANDER MILES

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

DAVID DANNER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLC
ATC FACILITY: BIL APP CON
OTHER:
Apr 27, 2020

QUALITY
10
CHECKED