

RADIO FIX AND HOLDING DATA RECORD

NAME: ALOPE

STATE: MT

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 474623.01N/1040403.53W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	WILLISTON	ISN	VOR/DME	L	196.00	204.00	31.54	31.54		4500	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T331	1				(US)
EN ROUTE	V545					(US)
IAP	RNAV (GPS) RWY 12			KS25	WATFORD CITY	ND (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/07/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHRISTOPHER SCHONES

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by
DONALD H LANIER

DISTRIBUTION:

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

Jun 02, 2021

QUALITY
19
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FORBI

STATE: ND

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 480226.62N/1031719.94W

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 NM	FAC FEET	MRA	MAA
1	WILLISTON	ISN	VOR/DME	L	116.36	124.36	22.52	22.52		5600	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WILLISTON			KXWA	WILLISTON	ND (US)
EN ROUTE	V71					(US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

1. REMOVED RNAV (GPS) RWY 12, KS25 FROM FIX USE.
2. REMOVED IAP FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHRISTOPHER SCHONES

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

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DONALD H LANIER

Jun 02, 2021

DISTRIBUTION:

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

QUALITY
19
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GERHE STATE: ND COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 475359.27N/1032949.51W TYPE: WP, 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	MRA	MAA
1	WILLISTON	ISN	VOR/DME	L	146.24	154.24	23.56	23.56	4500	17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW		WP	295.54	115.54	R	5	4500	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (38-000163)	475442.91N/1032711.69W	2726	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V439	1				(US)
IAP	RNAV (GPS) RWY 12		1	KS25	WATFORD CITY	ND (US)
IAP	RNAV (GPS) RWY 30		1	KS25	WATFORD CITY	ND (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

1. AMENDED LAT/LONG, MOVED FIX 2.47 NM SW. FIX MOVED IN EXCESS OF 1NM, NAMED RETAINED PER ATC REQUEST.
2. AMENDED PATTERN 1 RAD/CRS/BRG FROM "305.60" TO "295.54", CRS INBOUND FROM "125.60" TO "115.54" AND HOLDING ALTITUDE MIN FROM "4100" TO "4500".
3. UPDATED PATTERN 1 CONTROLLING OBSTRUCTION COORDINATES FROM "475442.00N/1032711.00W" TO "475442.91N/1032711.69W", ELEVATION FROM "2720" TO "2726" AND ACCURACY CODE FROM "4D" TO "2C".
4. ADDED V439 TO FIX USE.
5. ADDED ENROUTE LOW AND CONTROLLER LOW TO REQUIRED CHARTING.
6. ADDED DME TO FIX TYPE.
7. ADDED FIX MAKE-UP FACILITY - FAC- 1, NAME- WILLISON, IDENT - ISN, TYPE - VOR/DME, CLASS - L, MAG BRG - 146.24, TRUE BRG - 154.24, DME - 23.56, DIST FROM FAC NM - 23.56, MRA - 4500, MAA - 17500.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: CHRISTOPHER SCHONES
APPROVED BY:	DATE:	OFFICE: AJV-A430	NAME: LONNIE EVERHART

SIGNATURE: Digitally signed by

DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZLC
 ATC FACILITY:
 OTHER:

DONALD H LANIER
 Jun 02, 2021



RADIO FIX AND HOLDING DATA RECORD

NAME: HASOS

STATE: ND

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 473006.18N/1031258.89W

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	FAC FEET	MRA	MAA
1	DICKINSON	DIK	VORTAC	H	320.96	334.96	42.57	42.57		4500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DIK	VORTAC	R-321	43	4500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WILLISTON	1		KXWA	WILLISTON	ND (US)
EN ROUTE	V439	1				(US)
IAP	RNAV (GPS) RWY 30			KS25	WATFORD CITY	ND (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

1. REMOVED RNAV (GPS) RWY 12, KS25 FROM FIX USE.
2. ADDED FAC 1 TO DP WILLISTON FIX USE.
3. ADDED FAC 1 TO EN ROUTE V439 FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHRISTOPHER SCHONES

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

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DISTRIBUTION:

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

Jun 02, 2021

QUALITY
19
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HOOPR

STATE: ND

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 474911.27N/1033722.78W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 12

FAC

PAT

AIRPORT IDENT
KS25

CITY
WATFORD CITY

STATE
ND (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

AMENDED LAT/LONG, MOVED FIX 4.47 NM SW. FIX MOVED IN EXCESS OF 1NM, NAMED RETAINED PER ATC REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHRISTOPHER SCHONES

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

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

Jun 02, 2021

QUALITY
19
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SAKIE

STATE: ND

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 480437.16N/1032201.39W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	WILLISTON	ISN	VOR/DME	L	116.36	124.36	18.70	18.70		5600	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T331	1				(US)
EN ROUTE	V71					(US)
IAP	RNAV (GPS) RWY 12			KS25	WATFORD CITY	ND (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/07/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHRISTOPHER SCHONES

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

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Jun 02, 2021

DISTRIBUTION:

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

QUALITY
19
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WATLI

STATE: ND

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 474913.26N/1031845.28W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 12

FAC PAT

AIRPORT IDENT CITY
KS25 WATFORD CITY

STATE
ND (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/07/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHRISTOPHER SCHONES

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

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DISTRIBUTION:

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

QUALITY
19
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WILSN

STATE: ND

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 475109.08N/1032313.67W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 12

FAC

PAT

AIRPORT IDENT
KS25

CITY
WATFORD CITY

STATE
ND (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

AMENDED LAT/LONG, MOVED FIX 1.83 NM WEST. FIX MOVED IN EXCESS OF 1NM, NAMED RETAINED PER ATC REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHRISTOPHER SCHONES

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ARTCC: ZLC
ATC FACILITY:
OTHER:

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