

RADIO FIX AND HOLDING DATA RECORD

NAME: DOYAB **STATE:** ND **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 482525.03N/1013001.42W **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	MINOT	I-MOT	LOC/DME		312.38	318.38	12.40	12.41		3800	6200

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW		WP	312.22	132.22	R		5	4500	6000	6	6
2	NW	I-MOT	LOC/DME	312.38	312.38	L	1		3800	4500	8	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	482254.00N/1013857.00W	2159	4E
2	265	TOWER (35-0123)	481255.00N/1011908.00W	2446	1D

REASON FOR NONSTANDARD HOLDING:
PAT 2 TO AVOID KMIB TRAFFIC PATTERNS.

REMARKS:

HOLDING LIMITED TO ESTABLISHED PATTERN.
265 KNOTS USED IN PATTERN 2 TO SUPPORT KMOT, ILS OR LOC RWY 31 CAT E MINIMUMS.
MOT ILS (DME) COORDINATES 481611.59N/1011736.74W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 31	1	2	KMOT	MINOT	ND (US)
IAP	LOC BC RWY 13	1		KMOT	MINOT	ND (US)
IAP	RNAV (GPS) RWY 13		1	KMOT	MINOT	ND (US)
IAP	RNAV (GPS) RWY 31		1	KMOT	MINOT	ND (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 01/30/2020

REASON FOR REVISION:

CHANGED HOLDING PAT 2 RAD/CRS/BRG FROM 132.38 TO 312.38

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 **NAME:** ROSE BOONE

APPROVED BY: **DATE:** **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: MOT ATCT
OTHER: MIB APP CON



RADIO FIX AND HOLDING DATA RECORD

NAME: FONAD

STATE: ND

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 481103.12N/1011052.09W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	MINOT	I-MOT	LOC/DME		132.40	138.40	6.84	6.84	41488	3400	6200

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MOT ILS (DME) COORDINATES 481611.59N/1011736.74W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 31	1		KMOT	MINOT	ND (US)
IAP	RNAV (GPS) RWY 31			KMOT	MINOT	ND (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

CORRECTED FAC 1 MAG CRS FROM 128.4 TO 132.4

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: MOT ATCT
OTHER: MIB APP CON

QUALITY
24
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HEKTA

STATE: ND

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 480559.53N/1010410.87W

TYPE: WP, RADAR, 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	MINOT	I-MOT	LOC/DME		132.40	138.40	13.60	13.59	3700	6200
2	MINOT	MOT	VOR/DME	H	124.74	137.74	13.00	13.00	3700	6200

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	SE		WP	132.55	312.55	L		5	3600	6000	5	6
2	SE	I-MOT	LOC/DME	132.40	312.40	L	1		3700	4500	8	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	200' AAO	475636.00N/1010000.00W	2149	4E
2	265	200' AAO	475339.00N/1005945.00W	2438	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 AVOID MINOT AFB TRAFFIC PATTERNS
PAT 2 AVOID MINOT AFB TRAFFIC PATTERNS

REMARKS:

MINOT (FAC 1) AND MINOT (FAC 2) USED TO ESTABLISH FIX COORDINATES
HOLDING LIMITED TO ESTABLISHED PATTERN.
265 KNOTS USED IN PATTERN 2 TO SUPPORT KMOT, ILS OR LOC RWY 31 CAT E MINIMUMS.
MOT ILS (DME) COORDINATES 481611.59N/1011736.74W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 31	1, 2	2	KMOT	MINOT	ND (US)
IAP	LOC BC RWY 13	1	2	KMOT	MINOT	ND (US)
IAP	RNAV (GPS) RWY 13		1	KMOT	MINOT	ND (US)
IAP	RNAV (GPS) RWY 31		1	KMOT	MINOT	ND (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

REMOVED FAC 2 FROM LOC BC RWY 13 IN FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: MOT ATCT
OTHER: MIB APP CON

QUALITY
24
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OROBE

STATE: ND

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 481943.49N/1012224.16W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	MINOT	I-MOT	LOC/DME		312.38	318.38	4.77	4.78	29040	3400	6200

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

DME COORDINATES: 481611.59N/1011736.74W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC BC RWY 13	1		KMOT	MINOT	ND (US)
IAP	RNAV (GPS) RWY 13			KMOT	MINOT	ND (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

CORRECTED MAG/TRUE CRS FROM 132.38/138.68 TO 312.38/322.38 IN FIX MAKEUP

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: MOT ATCT
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