

RADIO FIX AND HOLDING DATA RECORD

NAME: BRUUK

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 384509.55N/1075337.09W

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	MRA	MAA
1	MONTROSE	I-MTJ	LOC		347.82	359.82		15.17	9000	17500
2	GRAND JUNCTION	JNC	VOR/DME	VH	098.32	113.32	45.95	45.95	9000	17500
3	MONTROSE	MTJ	VOR/DME	VH	349.03	001.03	14.77	14.76	9000	17500
4	BLUE MESA	HBU	VOR/DME	VH	280.42	294.42		44.02	14000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-MTJ	LOC	R-348	16	10200	17500
JNC	VOR/DME	R-098	46	9000	17500
HBU	VOR/DME	R-280	45	14000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MONTROSE (FAC 1) AND GRAND JUNCTION (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V484	1, 2, 3, 4				
IAP	ILS OR LOC RWY 17	1, 3		KMTJ	MONTROSE	CO (US)
IAP	RNAV (GPS) RWY 13			KMTJ	MONTROSE	CO (US)
IAP	RNAV (GPS) RWY 17			KMTJ	MONTROSE	CO (US)
IAP	VOR RWY 13	3		KMTJ	MONTROSE	CO (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

UPDATED EXPANDED SERVICE VOLUME (ESV) I-MTJ RADIAL/BEARING FROM "349" TO "348." - TO MATCH PUBLISHED ESV.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: CORY SLANE

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

QUALITY
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RADIO FIX AND HOLDING DATA RECORD

NAME: GRAND JUNCTION VOR/DME STATE: CO COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 390334.44N/1084733.27W TYPE:

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	GRAND JUNCTION	JNC	VOR/DME	VH							45000

FIX RESTRICTIONS:

MCA V391 10700 SOUTHBOUND
MCA V187 10700 SOUTHBOUND
MCA T317 10800 SOUTHEAST BOUND

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	SW	JNC	VOR/DME	232.32	052.32	L	1		10000	45000	9	29
2	W	JNC	VOR/DME	255.00	075.00	L	1		10000	12000	9	9
3	W		WP	261.00	081.00	L		7	9000	12000	10	10
4	SW		WP	232.32	052.32	L		7	10000	45000	10	31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	385512.00N/1085830.00W	7930	4E
2	230	TOWER (08-000494)	390355.93N/1084454.36W	7476	5E
2	310	AAO	385451.00N/1084354.00W	8970	4E
3	230	TOWER (08-000494)	390355.93N/1084454.36W	7476	5E
4	230	AAO	385442.00N/1085903.00W	8012	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	242
2	230	216
2	310	309
3	230	223
4	230	266

REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN AND ATC REQUEST TO FACILITATE HOLDING TO SKI COUNTRY AIRCRAFT
PAT 2 TERRAIN
PAT 3 TERRAIN
PAT 4 TERRAIN AND ATC REQUEST TO FACILITATE HOLDING TO SKI COUNTRY AIRCRAFT

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LDA RWY 29	KGJT	GRAND JUNCTION	CO (US)
2	MONUMENT	KGJT	GRAND JUNCTION	CO (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
REQUEST CHARTING OF HOLDING PAT 1 ON EN ROUTE HIGH AND HIGH CONTROLLER CHART PER ATC.
HOLDING PAT 4 ESTABLISHED PER ATC REQUEST TO FACILITATE HOLDING TO SKI COUNTRY AIRCRAFT.
JNC MAGVAR 15E 1965

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	RNAV (GPS) M RWY 29			KGJT	GRAND JUNCTION	CO (US)
DP	ASPEN			KASE	ASPEN	CO (US)
DP	LINDZ			KASE	ASPEN	CO (US)
DP	DENVER			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	GRAND JUNCTION		2	KGJT	GRAND JUNCTION	CO (US)
DP	GRAND MESA		2	KGJT	GRAND JUNCTION	CO (US)
DP	MONUMENT		2	KGJT	GRAND JUNCTION	CO (US)
DP	NOKXI (RNAV)			KGJT	GRAND JUNCTION	CO (US)
DP	RHONE (RNAV)		3	KGJT	GRAND JUNCTION	CO (US)
DP	TAKE-OFF MINIMUMS			KGJT	GRAND JUNCTION	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)

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DP	BRICK		KMTJ	MONTROSE	CO (US)
DP	CANYON		KPUB	PUEBLO	CO (US)
DP	SALT LAKE		KSLC	SALT LAKE CITY	UT (US)
EN ROUTE	J12				(US)
EN ROUTE	J15				(US)
EN ROUTE	J80				(US)
EN ROUTE	T317				(US)
EN ROUTE	V134				(US)
EN ROUTE	V187				(US)
EN ROUTE	V220				(US)
EN ROUTE	V26				(US)
EN ROUTE	V382				(US)
EN ROUTE	V391				(US)
EN ROUTE	V484				(US)
EN ROUTE	V591				(US)
EN ROUTE	V8				(US)
IAP	ILS OR LOC RWY 11		KGJT	GRAND JUNCTION	CO (US)
IAP	LDA RWY 29	1	KGJT	GRAND JUNCTION	CO (US)
IAP	RNAV (GPS) RWY 29		KGJT	GRAND JUNCTION	CO (US)
IAP	RNAV (GPS) Y RWY 11		KGJT	GRAND JUNCTION	CO (US)
IAP	RNAV (RNP) Z RWY 11	3	KGJT	GRAND JUNCTION	CO (US)
IAP	RNAV (GPS) Y RWY 8		KRIL	RIFLE	CO (US)
IAP	RNAV (RNP) Z RWY 8		KRIL	RIFLE	CO (US)
IAP	VOR-A		KCNY	MOAB	UT (US)
STAR	POWDR		KBKF	AURORA	CO (US)
STAR	POWDR		KAPA	DENVER	CO (US)
STAR	POWDR		KBJC	DENVER	CO (US)
STAR	POWDR		KCFO	DENVER	CO (US)
STAR	POWDR		KDEN	DENVER	CO (US)
STAR	POWDR		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	POWDR		KGXY	GREELEY	CO (US)
STAR	SPANÉ		KSLC	SALT LAKE CITY	UT (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, AREA, EN ROUTE LOW, EN ROUTE HIGH, SPECIAL IAP, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 26

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

REMOVED FIX USE IAP ILS OR LOC RWY 17 KMTJ MONTROSE CO (US).

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

OFFICE OF PRIMARY RESPONSIBILITY: **NAME:**

APPROVED BY: **DATE:** **OFFICE:** **NAME:**

SIGNATURE:

QUALITY
39
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MONTROSE VOR/DME

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 383023.17N/1075357.44W

TYPE:

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	MONTROSE	MTJ	VOR/DME	VH						45000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

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	NW	MTJ	VOR/DME	296.63	116.63	R	1-1 1/2	9600 17500	9 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	382924.00N/1080915.00W	7441	4E
1	310	AAO	382430.00N/1080821.00W	8389	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	124
1	230	124

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	MONTROSE	KMTJ	MONTROSE	CO (US)

REMARKS:

CLIMB IN HOLD EVALUATED TO 11000.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN			KASE	ASPEN	CO (US)
DP	ROCKIES			KBKF	AURORA	CO (US)
DP	ROCKIES			KAPA	DENVER	CO (US)
DP	ROCKIES			KCFO	DENVER	CO (US)
DP	ROCKIES			KDEN	DENVER	CO (US)
DP	ROCKIES			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	GRAND MESA			KGJT	GRAND JUNCTION	CO (US)
DP	ROCKIES			KGXY	GREELEY	CO (US)
DP	MONTROSE		1	KMTJ	MONTROSE	CO (US)
EN ROUTE	V244					(US)
EN ROUTE	V26		1			(US)
EN ROUTE	V361					(US)
EN ROUTE	V68					(US)
IAP	ILS OR LOC/DME RWY 17			KMTJ	MONTROSE	CO (US)
IAP	RNAV (GPS) RWY 35			KMTJ	MONTROSE	CO (US)
IAP	VOR/DME RWY 13			KMTJ	MONTROSE	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

HOLDING PATTERN ASSOCIATION UNP, 06/12/2025 DELETED.
ADDED PRECIPITOUS TERRAIN ADDITIONS TO PATTERN 1. - IAW DOCUMENTATION PROCEDURES.
HOLDING RESTRICTIONS UPDATED.
REMOVED FIX USE FAC 1 FROM DP: MONTROSE; ENROUTE: V244, V26, V361, V68; IAP: VOR/DME RWY 13. - NOT REQUIRED.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: CORY SLANE

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

QUALITY
39
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PAGRE

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 383937.20N/1080843.02W

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	FEET	MRA	MAA
1	MONTROSE	MTJ	VOR/DME	H	296.63	308.63	14.80	14.80		9500	17500

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	MTJ	VOR/DME	296.63	116.63	R	1		11000	14000	9	17
2	W		WP	286.48	106.48	R		7	11000	14000	10	19
3	NW	MTJ	VOR/DME	296.63	116.63	R	1		9500	14000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	384045.00N/1082606.00W	7766	4B
1	310	AAO	385354.00N/1081051.00W	10191	4B
2	230	AAO	383930.00N/1082818.00W	8386	4B
2	310	AAO	383630.00N/1083642.00W	9518	4B
3	230	AAO	384042.00N/1082603.00W	7960	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	270
1	310	370
2	310	380
2	230	250
3	230	270

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 17	KMTJ	MONTROSE	CO (US)
2	RNAV (GPS) RWY 13	KMTJ	MONTROSE	CO (US)
2	RNAV (GPS) RWY 35	KMTJ	MONTROSE	CO (US)
2	RNAV (GPS) RWY 17	KMTJ	MONTROSE	CO (US)

REMARKS:

PAT 1 310KT CONTROLLING OBSTACLE 1.6NM FROM EDGE OF PRIMARY AREA, PRIMARY EQUIVALENT 9295 MSL.
PAT 1 AND 2 MINIMUM HOLDING ALTITUDE MATCHES MEA ON V26.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V26	1				(US)
IAP	ILS OR LOC RWY 17	1	1	KMTJ	MONTROSE	CO (US)
IAP	RNAV (GPS) RWY 35		2	KMTJ	MONTROSE	CO (US)
IAP	RNAV (GPS) RWY 13		2	KMTJ	MONTROSE	CO (US)
IAP	RNAV (GPS) RWY 17		2	KMTJ	MONTROSE	CO (US)
IAP	VOR RWY 13		3	KMTJ	MONTROSE	CO (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

ADDED DISTANCE FROM FAC NM.
UPDATED HOLDING PATTERN 1 TEMPLATE MAX FROM "18" TO "17".
UPDATED HOLDING PATTERN 1 AIRSPEED 230 CONTROLLING OBSTACLE FROM "AAO 384042.00N/1082603.00W 7960 4E" TO "AAO 384045.00N/1082606.00W 7766 4B".
UPDATED HOLDING PATTERN 1 AIRSPEED 310 CONTROLLING OBSTACLE FROM "385348.00N/1081033.00W 10194 4E" TO "AAO 385354.00N/1081051.00W 10191 4B".
UPDATED HOLDING PATTERN 2 AIRSPEED 310 CONTROLLING OBSTACLE FROM "383630.00N/1083642.00W 9508 4E" TO "383630.00N/1083642.00W 9518 4B".
UPDATED HOLDING PATTERN 2 AIRSPEED 230 CONTROLLING OBSTACLE FROM "383930.00N/1082818.00W 8373 4E" TO "383930.00N/1082818.00W 8386 4B".

QUALITY
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INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A33	NAME: CORY SLANE
APPROVED BY:	DATE: 05/08/2025	OFFICE: AJV-A33	NAME: JOHN BORDY
	SIGNATURE:		



RADIO FIX AND HOLDING DATA RECORD

NAME: WIDRU

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 383910.54N/1075335.66W

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 FEET	MRA	MAA
1	MONTROSE	I-MTJ	LOC		347.82	359.82		9.19 55856	8100	10200
2	MONTROSE	MTJ	VOR/DME	VH	349.85	001.85	8.79	8.79 53426	8100	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MTJ VOR LOCATED 383023.1718N/1075357.4388W AND DME LOCATED 383022.7100N/075357.1300W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17	1, 2		KMTJ	MONTROSE	CO (US)
IAP	RNAV (GPS) RWY 17			KMTJ	MONTROSE	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

ADDED FACILITY 2 MONTROSE MTJ MAG BRG "349.85" AND TRUE BRG "001.85." - FOR DOCUMENTATION REQUIREMENTS.
UPDATED REMARKS FROM "MTJ VOR/DME DME ANTENNA LOCATED APPROXIMATELY 53 SOUTHEAST OF VOR ANTENNA." TO "MTJ VOR LOCATED 383023.1718N/1075357.4388W AND DME LOCATED 383022.7100N/075357.1300W."

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: CORY SLANE

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

QUALITY
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CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZIMVI

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 383505.43N/1075334.66W

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	FEET	MRA	MAA
1	MONTROSE	I-MTJ	LOC		347.82	359.82		5.11		6700	10200
2	MONTROSE	MTJ	VOR/DME	VH	351.62	003.62	4.72	4.72		6700	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MTJ VOR LOCATED 383023.1718N/1075357.4388W AND DME LOCATED 383022.7100N/075357.1300W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17	2		KMTJ	MONTROSE	CO (US)
IAP	RNAV (GPS) RWY 17			KMTJ	MONTROSE	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

ADDED FACILITY 2 MONTROSE MTJ MAG BRG "351.62" AND TRUE BRG "003.62." - FOR DOCUMENTATION REQUIREMENTS.
UPDATED REMARKS FROM "MTJ VOR/DME DME ANTENNA LOCATED APPROXIMATELY 53 SOUTHEAST OF VOR ANTENNA." TO "MTJ VOR LOCATED 383023.1718N/1075357.4388W AND DME LOCATED 383022.7100N/075357.1300W."

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: CORY SLANE

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

QUALITY
39
CHECKED