

RADIO FIX AND HOLDING DATA RECORD

NAME: AKRON VOR/DME **STATE:** CO **COUNTRY:** US **ICAO REGION CODE:** K2

LATITUDE/LONGITUDE: 400920.00N/1031046.97W **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	AKRON	AKO	VOR/DME	H						45000

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	E	AKO	VOR/DME	110.00	290.00	R	1	6100 17500	8 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (08-000379)	400856.00N/1031707.00W	5060	5D
UPN	230	TOWER (08-000462)	395117.00N/1032040.00W	5390	3C

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 6400.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
AKO MAGVAR E13.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DENVER			KBKF	AURORA	CO (US)
DP	PLAINS			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	PLAINS			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	PLAINS			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	PLAINS			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	PLAINS			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PLAINS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	PLAINS			KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
DP	TAKE-OFF MINIMUMS			2V5	WRAY	CO (US)
EN ROUTE	V132					(US)
EN ROUTE	V169					(US)
EN ROUTE	V220					(US)
EN ROUTE	V263					(US)
EN ROUTE	V8					(US)
EN ROUTE	V80					(US)
IAP	VOR RWY 29		1	KAKO	AKRON	CO (US)
IAP	RNAV (GPS) RWY 33			KSTK	STERLING	CO (US)
STAR	LANDR			KDEN	DENVER	CO (US)
STAR	SAYGE			KDEN	DENVER	CO (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 17 **DATE OF REVISION:** 01/30/2020

REASON FOR REVISION:

UPDATED FIX USE, ALL REFERENCES TO KFTG (FRONT RANGE) CHANGED TO KCFO (COLORADO AIR AND SPACE PORT).

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** PHILLIP BRANDENBURG

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

SIGNATURE:

DISTRIBUTION: NFDC

FPO: WST
ARTCC: ZDV
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: BLACK FOREST VOR/DME **STATE:** CO **COUNTRY:** US **ICAO REGION CODE:** K2

LATITUDE/LONGITUDE: 385640.24N/1043800.48W **TYPE:**

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	BLACK FOREST	BRK	VOR/DME	H						17500

FIX RESTRICTIONS:

MCA V611 10000 NORTHEAST BOUND
MCA V81 10000 NORTHWEST BOUND
MCA V108 10700 WESTBOUND

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	N	BRK	VOR/DME	339.00	159.00	L	1	10000 14000	9 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (08-000087)	390246.00N/1044140.00W	7940	3A
1	310	AAO	390818.00N/1045033.59W	8055	4E

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	SPRINGS	KCOS	COLORADO SPRINGS	CO (US)
1	TAKEOFF MINIMUMS	KCOS	COLORADO SPRINGS	CO (US)

REMARKS:

PRECIPITOUS TERRAIN EVAL COMPLETED.
CHART PATTERN 1 ON LOW ENROUTE ALTITUDE CHART.
ASSIGNED FACILITY MAG VAR 8E/2020.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN			KASE	ASPEN	CO (US)
DP	DENVER			KBKF	AURORA	CO (US)
DP	PIKES			KBKF	AURORA	CO (US)
DP	SPRINGS		1	KCOS	COLORADO SPRINGS	CO (US)
DP	TAKEOFF MINIMUMS		1	KCOS	COLORADO SPRINGS	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	PIKES			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	PIKES			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	PIKES			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	PIKES			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PIKES			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	PIKES			KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
EN ROUTE	V108					(US)
EN ROUTE	V611					(US)
EN ROUTE	V81					(US)
EN ROUTE	V83					(US)
IAP	ILS OR LOC RWY 17L			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS OR LOC RWY 35L			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS OR LOC RWY 35R			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS RWY 17L (SA CAT I-II)			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS RWY 35L (SA CAT II)			KCOS	COLORADO SPRINGS	CO (US)
IAP	VOR RWY 17L			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS OR LOC RWY 08R			KPUB	PUEBLO	CO (US)
IAP	VOR RWY 26L			KPUB	PUEBLO	CO (US)
STAR	LARKS			KBKF	AURORA	CO (US)
STAR	QUAIL			KBKF	AURORA	CO (US)
STAR	DEBERRY			KCOS	COLORADO SPRINGS	CO (US)
STAR	LARKS			KAPA	DENVER	CO (US)

STAR	QUAIL	KAPA	DENVER	CO (US)
STAR	LARKS	KBJC	DENVER	CO (US)
STAR	QUAIL	KBJC	DENVER	CO (US)
STAR	LARKS	KCFO	DENVER	CO (US)
STAR	QUAIL	KCFO	DENVER	CO (US)
STAR	LARKS	KDEN	DENVER	CO (US)
STAR	QUAIL	KDEN	DENVER	CO (US)
STAR	LARKS	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	QUAIL	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	LARKS	KGXY	GREELEY	CO (US)
STAR	QUAIL	KGXY	GREELEY	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 09/08/2022

REASON FOR REVISION:

1. ADDED IAP VOR RWY 17L KCOS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MICHAEL OLVERA

APPROVED BY:

DATE: 07/14/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: BLUE MESA VOR/DME STATE: CO COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 382707.62N/1070222.97W 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	BLUE MESA	HBU	VOR/DME	H						45000

FIX RESTRICTIONS:

MCA V160 13100 NORTHEAST 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	HBU	VOR/DME	211.00	031.00	L	1	13800 29000	10 22
2	SW	HBU	VOR/DME	211.00	031.00	L	1	12000 29000	9 22
3	N		WP	354.50	174.50	L	8	13000 14000	11 11
4	SW	HBU	VOR/DME	211.00	031.00	L	1	12500 29000	10 22

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	381351.00N/1071930.00W	11473	4E
1	310	AAO	381024.00N/1072612.00W	12431	4E
2	230	AAO	381639.00N/1071842.00W	10197	4E
3	230	AAO	384045.00N/1070603.00W	11487	4E
4	230	AAO	381351.00N/1071930.00W	11473	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	361
1	230	350
2	230	350
3	230	380

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
 PAT 2 ATC REQUEST
 PAT 3 ATC REQUEST
 PAT 4 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKE-OFF MINIMUMS	KGUC	GUNNISON	CO (US)

REMARKS:

ASSIGNED FAC MAG/VAR: E14/1965.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 CHART PAT 1 ON ENROUTE LOW.
 PAT 4 CONTROLLING OBSTACLE LOCATED 11644 IN THE SECONDARY, PRIMARY EQUIVALENT OF 10494 APPLIED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	RNAV (GPS) M RWY 24		3	KGUC	GUNNISON	CO (US)
SPECIAL IAP	RNAV (RNP) M RWY 06		3	KGUC	GUNNISON	CO (US)
DP	ASPEN			KASE	ASPEN	CO (US)
DP	DENVER			KBKF	AURORA	CO (US)
DP	ROCKIES			KBKF	AURORA	CO (US)
DP	SPRINGS			KCOS	COLORADO SPRINGS	CO (US)
DP	CORTEZ			KCEZ	CORTEZ	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	ROCKIES			KAPA	DENVER	CO (US)
DP	WNGSS (RNAV)			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	ROCKIES			KBJC	DENVER	CO (US)
DP	WNGSS (RNAV)			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	ROCKIES			KCFO	DENVER	CO (US)
DP	WNGSS (RNAV)			KCFO	DENVER	CO (US)
DP	BAYLR (RNAV)			KDEN	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	ROCKIES			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)

DP	ROCKIES		KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	WNGSS (RNAV)		KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	GRAND MESA		KGJT	GRAND JUNCTION	CO (US)
DP	DENVER		KGXY	GREELEY	CO (US)
DP	ROCKIES		KGXY	GREELEY	CO (US)
DP	WNGSS (RNAV)		KGXY	GREELEY	CO (US)
DP	TAKE-OFF MINIMUMS	1	KGUC	GUNNISON	CO (US)
DP	WNGSS (RNAV)		KLMO	LONGMONT	CO (US)
DP	BLUE MESA		KMTJ	MONTROSE	CO (US)
DP	CANYON		KPUB	PUEBLO	CO (US)
EN ROUTE	J10				(US)
EN ROUTE	J128				(US)
EN ROUTE	J146				(US)
EN ROUTE	J206				(US)
EN ROUTE	J240				(US)
EN ROUTE	J28				(US)
EN ROUTE	V160				(US)
EN ROUTE	V244				(US)
EN ROUTE	V26				(US)
EN ROUTE	V421				(US)
EN ROUTE	V484				(US)
EN ROUTE	V95				(US)
IAP	GPS-B	2	KGUC	GUNNISON	CO (US)
IAP	ILS OR LOC RWY 6	2	KGUC	GUNNISON	CO (US)
IAP	RNAV (RNP) RWY 24	3	KGUC	GUNNISON	CO (US)
IAP	RNAV (RNP) RWY 6	3	KGUC	GUNNISON	CO (US)
IAP	VOR OR GPS-A	2	KGUC	GUNNISON	CO (US)
STAR	LARKS	4	KBKF	AURORA	CO (US)
STAR	DEBERRY		KCOS	COLORADO SPRINGS	CO (US)
STAR	LARKS	4	KAPA	DENVER	CO (US)
STAR	LARKS	4	KBJC	DENVER	CO (US)
STAR	LARKS	4	KCFO	DENVER	CO (US)
STAR	LARKS	4	KDEN	DENVER	CO (US)
STAR	POWDR	4	KDEN	DENVER	CO (US)
STAR	LARKS	4	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	LARKS	4	KGXY	GREELEY	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 11/03/2022

REASON FOR REVISION:

ADDED KGUC SPECIALS IAPS TO FIX USE

ADDED SPECIAL IAP TO REQUIRED CHARTING

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: DAVID TEFFETELLER

APPROVED BY:

DATE: 11/03/2022

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CHEYENNE VORTAC STATE: WY COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 411239.48N/1044622.49W 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	MRA	MAA
1	CHEYENNE	CYS	VORTAC	H						45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

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	N	CYS	VORTAC	016.00	196.00	R	1		8000	17500	8	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	411400.00N/1045518.00W	6680	4E
1	310	TOWER (56-000244)	410855.55N/1045724.43W	6940	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 27	KCYS	CHEYENNE	WY (US)
1	VOR OR TACAN-A	KCYS	CHEYENNE	WY (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR 13E

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DENVER			KBKF	AURORA	CO (US)
DP	YELLOWSTONE			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	YELLOWSTONE			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	YELLOWSTONE			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	YELLOWSTONE			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	YELLOWSTONE			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	YELLOWSTONE			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	YELLOWSTONE			KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
DP	CASPER			KCPR	CASPER	WY (US)
EN ROUTE	J13					(US)
EN ROUTE	J148					(US)
EN ROUTE	J17					(US)
EN ROUTE	J175					(US)
EN ROUTE	V118					(US)
EN ROUTE	V132					(US)
EN ROUTE	V138					(US)
EN ROUTE	V361					(US)
EN ROUTE	V547					(US)
EN ROUTE	V611					(US)
EN ROUTE	V81					(US)
EN ROUTE	V89					(US)
IAP	ILS OR LOC RWY 35 (ALT MISS)			KGXY	GREELEY	CO (US)
IAP	ILS OR LOC RWY 27		1	KCYS	CHEYENNE	WY (US)
IAP	RNAV (GPS) RWY 09			KCYS	CHEYENNE	WY (US)
IAP	RNAV (GPS) RWY 13			KCYS	CHEYENNE	WY (US)
IAP	RNAV (GPS) RWY 27			KCYS	CHEYENNE	WY (US)
IAP	RNAV (GPS) RWY 31			KCYS	CHEYENNE	WY (US)
IAP	VOR OR TACAN-A		1	KCYS	CHEYENNE	WY (US)
IAP	NDB RWY 10			KTOR	TORRINGTON	WY (US)
IAP	NDB RWY 28			KTOR	TORRINGTON	WY (US)
STAR	LANDR			KBKF	AURORA	CO (US)
STAR	RAMMS			KBKF	AURORA	CO (US)
STAR	TOMSN			KBKF	AURORA	CO (US)
STAR	LANDR			KAPA	DENVER	CO (US)
STAR	RAMMS			KAPA	DENVER	CO (US)
STAR	TOMSN			KAPA	DENVER	CO (US)
STAR	LANDR			KBJC	DENVER	CO (US)

STAR	RAMMS	KBJC	DENVER	CO (US)
STAR	TOMSN	KBJC	DENVER	CO (US)
STAR	LANDR	KCFO	DENVER	CO (US)
STAR	RAMMS	KCFO	DENVER	CO (US)
STAR	TOMSN	KCFO	DENVER	CO (US)
STAR	LANDR	KDEN	DENVER	CO (US)
STAR	RAMMS	KDEN	DENVER	CO (US)
STAR	TOMSN	KDEN	DENVER	CO (US)
STAR	LANDR	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	RAMMS	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	TOMSN	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	LANDR	KGXY	GREELEY	CO (US)
STAR	RAMMS	KGXY	GREELEY	CO (US)
STAR	TOMSN	KGXY	GREELEY	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

FIX USE: CHANGED AIRPORT ID FROM FTG (FRONT RANGE) TO KCFO (COLORADO AIR AND SPACE PORT); ADDED GXY ILS OR LOC RWY 35 (ALT MISS); REMOVED CYS RADAR-1.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE: 10/21/2019

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZDV

ATC FACILITY: CHEYENNE APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 394845.05N/1043938.66W 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	DENVER	DEN	VOR/DME	H							45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

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	S	DEN	VOR/DME	163.00	343.00	R	1		8100	17500	9	21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (08-000504)	393220.94N/1043407.87W	6529	4D
1	310	TOWER (08-000111)	392514.36N/1043916.84W	7049	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKE-OFF MINIMUMS	KAPA	DENVER	CO (US)
1	TAKE-OFF MINIMUMS	KBJC	DENVER	CO (US)
1	TAKE-OFF MINIMUMS	KCFO	DENVER	CO (US)
1	TAKE-OFF MINIMUMS	KDEN	DENVER	CO (US)

REMARKS:

MAG VAR: 2015/E08
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DENVER			KBKF	AURORA	CO (US)
DP	PIKES			KBKF	AURORA	CO (US)
DP	PLAINS			KBKF	AURORA	CO (US)
DP	ROCKIES			KBKF	AURORA	CO (US)
DP	YELLOWSTONE			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	PIKES			KAPA	DENVER	CO (US)
DP	PLAINS			KAPA	DENVER	CO (US)
DP	ROCKIES			KAPA	DENVER	CO (US)
DP	TAKE-OFF MINIMUMS		1	KAPA	DENVER	CO (US)
DP	YELLOWSTONE			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	PIKES			KBJC	DENVER	CO (US)
DP	PLAINS			KBJC	DENVER	CO (US)
DP	ROCKIES			KBJC	DENVER	CO (US)
DP	TAKE-OFF MINIMUMS		1	KBJC	DENVER	CO (US)
DP	YELLOWSTONE			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	PIKES			KCFO	DENVER	CO (US)
DP	PLAINS			KCFO	DENVER	CO (US)
DP	ROCKIES			KCFO	DENVER	CO (US)
DP	TAKE-OFF MINIMUMS		1	KCFO	DENVER	CO (US)
DP	YELLOWSTONE			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	PIKES			KDEN	DENVER	CO (US)
DP	PLAINS			KDEN	DENVER	CO (US)
DP	ROCKIES			KDEN	DENVER	CO (US)
DP	TAKE-OFF MINIMUMS		1	KDEN	DENVER	CO (US)
DP	YELLOWSTONE			KDEN	DENVER	CO (US)
DP	TAKE-OFF MINIMUMS			KEIK	ERIE	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PIKES			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PLAINS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	ROCKIES			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	YELLOWSTONE			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	PIKES			KGXY	GREELEY	CO (US)
DP	PLAINS			KGXY	GREELEY	CO (US)
DP	ROCKIES			KGXY	GREELEY	CO (US)
DP	YELLOWSTONE			KGXY	GREELEY	CO (US)
IAP	ILS OR LOC RWY 30R			KBJC	DENVER	CO (US)
IAP	ILS OR LOC RWY 16L			KDEN	DENVER	CO (US)

IAP	ILS OR LOC RWY 16R	KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 17L	KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 17R	KDEN	DENVER	CO (US)
STAR	TOMSN	KBKF	AURORA	CO (US)
STAR	TOMSN	KAPA	DENVER	CO (US)
STAR	TOMSN	KBJC	DENVER	CO (US)
STAR	TOMSN	KCFO	DENVER	CO (US)
STAR	DANDD	KDEN	DENVER	CO (US)
STAR	LANDR	KDEN	DENVER	CO (US)
STAR	LARKS	KDEN	DENVER	CO (US)
STAR	POWDR	KDEN	DENVER	CO (US)
STAR	QUAIL	KDEN	DENVER	CO (US)
STAR	RAMMS	KDEN	DENVER	CO (US)
STAR	TOMSN	KDEN	DENVER	CO (US)
STAR	TOMSN	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	TOMSN	KGXY	GREELEY	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

1. FIX USE: ADDED STAR TOMSN AND ASSOCIATED AIRPORTS (KAPA, KBJC, KBKF, KCFO, KFNL, KGXY).
2. REQUIRED CHARTING: ADDED SECTIONAL TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: GARDEN CITY VORTAC STATE: KS COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 375508.41N/1004330.03W 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	GARDEN CITY	GCK	VORTAC	VH						45000

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	N	GCK	VORTAC	353.00	173.00	R	1	4500 6000	5 5
2	E	GCK	VORTAC	105.00	285.00	L	1	4600 6000	5 5
3	N	GCK	VORTAC	352.00	172.00	L	1	4700 6000	13 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (20-002166)	375727.00N/1004847.00W	3326	5D
2	200	TOWER (20-001678)	375226.00N/1003326.00W	3270	5D
3	200	TOWER (20-002560)	375524.89N/1003956.22W	3169	1A
3	310	TOWER (20-000554)	375227.00N/1005047.00W	3369	5D

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST
 PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
 ASSIGNED MAGVAR = 11E/1965

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FTHLS (RNAV)			KCHD	CHANDLER	AZ (US)
DP	LALUZ (RNAV)			KCHD	CHANDLER	AZ (US)
DP	FTHLS (RNAV)			KGEU	GLENDALE	AZ (US)
DP	LALUZ (RNAV)			KGEU	GLENDALE	AZ (US)
DP	FTHLS (RNAV)			KGYR	GOODYEAR	AZ (US)
DP	LALUZ (RNAV)			KGYR	GOODYEAR	AZ (US)
DP	FTHLS (RNAV)			KDVT	PHOENIX	AZ (US)
DP	LALUZ (RNAV)			KDVT	PHOENIX	AZ (US)
DP	FTHLS (RNAV)			KIWA	PHOENIX	AZ (US)
DP	LALUZ (RNAV)			KIWA	PHOENIX	AZ (US)
DP	BALDY			KPHX	PHOENIX	AZ (US)
DP	BROAK (RNAV)			KPHX	PHOENIX	AZ (US)
DP	FORPE (RNAV)			KPHX	PHOENIX	AZ (US)
DP	ST JOHNS			KPHX	PHOENIX	AZ (US)
DP	FTHLS (RNAV)			KSDL	SCOTTSDALE	AZ (US)
DP	LALUZ (RNAV)			KSDL	SCOTTSDALE	AZ (US)
DP	DENVER			KBKF	AURORA	CO (US)
DP	PLAINS			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	PLAINS			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	PLAINS			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	PLAINS			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	PLAINS			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PLAINS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	PLAINS			KGXY	GREELEY	CO (US)
EN ROUTE	J110					(US)
EN ROUTE	J154					(US)
EN ROUTE	J18					(US)
EN ROUTE	J28					(US)
EN ROUTE	J96					(US)
EN ROUTE	V10					(US)
EN ROUTE	V17					(US)
EN ROUTE	V255					(US)
EN ROUTE	V74					(US)
IAP	ILS OR LOC RWY 14			KDDC	DODGE CITY	KS (US)
IAP	ILS OR LOC RWY 35		3	KGCK	GARDEN CITY	KS (US)

IAP	RNAV (GPS) RWY 12		KGCK	GARDEN CITY	KS (US)
IAP	RNAV (GPS) RWY 17		KGCK	GARDEN CITY	KS (US)
IAP	RNAV (GPS) RWY 30		KGCK	GARDEN CITY	KS (US)
IAP	RNAV (GPS) RWY 35		KGCK	GARDEN CITY	KS (US)
IAP	VOR RWY 17	1	KGCK	GARDEN CITY	KS (US)
IAP	VOR RWY 35	1	KGCK	GARDEN CITY	KS (US)
IAP	VOR/DME RWY 12	1	KGCK	GARDEN CITY	KS (US)
IAP	VOR/DME RWY 17	1	KGCK	GARDEN CITY	KS (US)
IAP	VOR/DME RWY 30	2	KGCK	GARDEN CITY	KS (US)
IAP	RNAV (GPS) RWY 35		KTQK	SCOTT CITY	KS (US)
STAR	DANDD		KBKF	AURORA	CO (US)
STAR	DANDD		KAPA	DENVER	CO (US)
STAR	DANDD		KBJC	DENVER	CO (US)
STAR	DANDD		KCFO	DENVER	CO (US)
STAR	DANDD		KDEN	DENVER	CO (US)
STAR	DANDD		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	DANDD		KGXY	GREELEY	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 08/10/2023

REASON FOR REVISION:

FIX USE: KULS DELETED NDB RWY 12.

6/14/2023: THIS IS A CORRECTED COPY OF THE FORM APPRVED ON 5/10/2023
ADDED PAT 3 TO KGCK ILS OR LOC RWY 35 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOSEPH ZEDER

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 403013.92N/1043310.85W TYPE:

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	GILL	GLL	VOR/DME	VH						45000

FIX RESTRICTIONS:

MCA V220 14500 SOUTHWEST 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	NE	GLL	VOR/DME	025.00	205.00	R	1	6800 17500	8 16
2	NE		WP	030.00	210.00	R	7	10000 14000	10 11
3	NE		WP	028.00	208.00	R	7	7200 10000	9 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	404400.00N/1042921.00W	5460	4E
1	310	TOWER (08-001084)	403830.93N/1044904.89W	6000	4D
2	230	AAO	404527.00N/1042942.00W	5568	4E
3	230	AAO	404436.00N/1042927.00W	5522	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	T/O MINS AND DP	KFNL	FORT COLLINS/LOVELAND	CO (US)
1	T/O MINS AND DP	KGXY	GREELEY	CO (US)

REMARKS:

MAG VAR: 1970/E13.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DENVER			KBKF	AURORA	CO (US)
DP	YELLOWSTONE			KBKF	AURORA	CO (US)
DP	BAYLR (RNAV)			KAPA	DENVER	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	YELLOWSTONE			KAPA	DENVER	CO (US)
DP	BAYLR (RNAV)			KBJC	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	YELLOWSTONE			KBJC	DENVER	CO (US)
DP	BAYLR (RNAV)			KCFO	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	YELLOWSTONE			KCFO	DENVER	CO (US)
DP	BAYLR (RNAV)			KDEN	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	YELLOWSTONE			KDEN	DENVER	CO (US)
DP	BAYLR (RNAV)			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	T/O MINS AND DP		1	KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	YELLOWSTONE			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	T/O MINS AND DP		1	KGXY	GREELEY	CO (US)
DP	YELLOWSTONE			KGXY	GREELEY	CO (US)
DP	T/O MINS AND DP			KLMO	LONGMONT	CO (US)
EN ROUTE	V101					(US)
EN ROUTE	V207					(US)
EN ROUTE	V220					(US)
EN ROUTE	V4					(US)
EN ROUTE	V611					(US)
EN ROUTE	V89					(US)
IAP	ILS OR LOC RWY 30R			KBJC	DENVER	CO (US)
IAP	ILS OR LOC RWY 35			KCFO	DENVER	CO (US)
IAP	ILS OR LOC RWY 25			KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 26		1	KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 34L			KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 34R			KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 35L		1	KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 35R			KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 8			KDEN	DENVER	CO (US)

IAP	ILS RWY 34L (CAT II - III)		KDEN	DENVER	CO (US)
IAP	ILS RWY 34L (SA CAT I)		KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (CAT II - III)		KDEN	DENVER	CO (US)
IAP	ILS RWY 34R (SA CAT I)		KDEN	DENVER	CO (US)
IAP	ILS RWY 35L (CAT II/CAT III)		KDEN	DENVER	CO (US)
IAP	ILS RWY 35L (SA CAT I)		KDEN	DENVER	CO (US)
IAP	ILS RWY 35R (CAT II - III)		KDEN	DENVER	CO (US)
IAP	ILS RWY 35R (SA CAT I)		KDEN	DENVER	CO (US)
IAP	LOC RWY 34R		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 35L	2	KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 35L	2	KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 33	1	KFNL	FORT COLLINS/LOVELAND	CO (US)
IAP	RNAV (GPS) RWY 33		KFNL	FORT COLLINS/LOVELAND	CO (US)
IAP	VOR-A		KFNL	FORT COLLINS/LOVELAND	CO (US)
IAP	ILS OR LOC RWY 35		KGXY	GREELEY	CO (US)
IAP	RNAV (GPS) RWY 17		KGXY	GREELEY	CO (US)
IAP	RNAV (GPS) RWY 28		KGXY	GREELEY	CO (US)
IAP	RNAV (GPS) RWY 35		KGXY	GREELEY	CO (US)
IAP	VOR-A		KGXY	GREELEY	CO (US)
IAP	RNAV (GPS)-B	3	KLMO	LONGMONT	CO (US)
IAP	VOR/DME-A	1	KLMO	LONGMONT	CO (US)
IAP	ILS OR LOC RWY 27		KCYS	CHEYENNE	WY (US)
STAR	DANDD		KBKF	AURORA	CO (US)
STAR	LANDR		KBKF	AURORA	CO (US)
STAR	LARKS		KBKF	AURORA	CO (US)
STAR	POWDR		KBKF	AURORA	CO (US)
STAR	QUAIL		KBKF	AURORA	CO (US)
STAR	RAMMS		KBKF	AURORA	CO (US)
STAR	TOMSN		KBKF	AURORA	CO (US)
STAR	DANDD		KAPA	DENVER	CO (US)
STAR	LANDR		KAPA	DENVER	CO (US)
STAR	LARKS		KAPA	DENVER	CO (US)
STAR	POWDR		KAPA	DENVER	CO (US)
STAR	QUAIL		KAPA	DENVER	CO (US)
STAR	RAMMS		KAPA	DENVER	CO (US)
STAR	TOMSN		KAPA	DENVER	CO (US)
STAR	DANDD		KBJC	DENVER	CO (US)
STAR	LANDR		KBJC	DENVER	CO (US)
STAR	LARKS		KBJC	DENVER	CO (US)
STAR	POWDR		KBJC	DENVER	CO (US)
STAR	QUAIL		KBJC	DENVER	CO (US)
STAR	RAMMS		KBJC	DENVER	CO (US)
STAR	TOMSN		KBJC	DENVER	CO (US)
STAR	DANDD		KCFO	DENVER	CO (US)
STAR	LANDR		KCFO	DENVER	CO (US)
STAR	LARKS		KCFO	DENVER	CO (US)
STAR	POWDR		KCFO	DENVER	CO (US)
STAR	QUAIL		KCFO	DENVER	CO (US)
STAR	RAMMS		KCFO	DENVER	CO (US)
STAR	TOMSN		KCFO	DENVER	CO (US)
STAR	DANDD		KDEN	DENVER	CO (US)
STAR	LANDR		KDEN	DENVER	CO (US)
STAR	LARKS		KDEN	DENVER	CO (US)
STAR	POWDR		KDEN	DENVER	CO (US)
STAR	QUAIL		KDEN	DENVER	CO (US)
STAR	RAMMS		KDEN	DENVER	CO (US)
STAR	TOMSN		KDEN	DENVER	CO (US)
STAR	BRNKO (RNAV)		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	DANDD		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	LANDR		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	LARKS		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	POWDR		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	QUAIL		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	RAMMS		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	TOMSN		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	BRNKO (RNAV)		KGXY	GREELEY	CO (US)
STAR	DANDD		KGXY	GREELEY	CO (US)
STAR	LANDR		KGXY	GREELEY	CO (US)
STAR	LARKS		KGXY	GREELEY	CO (US)
STAR	POWDR		KGXY	GREELEY	CO (US)
STAR	QUAIL		KGXY	GREELEY	CO (US)
STAR	RAMMS		KGXY	GREELEY	CO (US)
STAR	TOMSN		KGXY	GREELEY	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: CHANGED NAVAID CLASS FROM H TO VH.
2. REQUIRED CHARTING: ADDED SECTIONAL TO REQUIRED CHARTING.

02/29/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 05/16/2024.
ADDED FIX RESTRICTION: MCA V220 14500 SOUTHWEST BOUND.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: GOODLAND VORTAC STATE: KS COUNTRY: US ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 392316.32N/1014132.27W 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	GOODLAND	GLD	VORTAC	H						45000

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	GLD	VORTAC	152.37	332.37	R	1	5600 14000	5 18
2	E	GLD	VORTAC	084.00	264.00	R	1 1/2	18000 45000	16 29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (20-002318)	391908.40N/1014339.28W	4126	2C
1	310	TOWER (20-000741)	392810.00N/1013321.00W	4450	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR RWY 30	KGLD	GOODLAND	KS (US)
1	ILS OR LOC RWY 30 (ALT MISS)	KGLD	GOODLAND	KS (US)

REMARKS:

CHART PATTERN 2 ON EN ROUTE HIGH
PRECIPITOUS TERRAIN EVALUATION COMPLETED
PATTERN 2 PER ATC REQUEST
PAT 1 C-I-H EVALUATED USING TEMPLATE 13 AT 5600
ASSIGNED FACILITY MAGVAR: 12E (1965)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DENVER			KBKF	AURORA	CO (US)
DP	PLAINS			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	PLAINS			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	PLAINS			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	PLAINS			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	PLAINS			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PLAINS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	PLAINS			KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
EN ROUTE	J146		2			(US)
EN ROUTE	J182		2			(US)
EN ROUTE	J197		2			(US)
EN ROUTE	J80		2			(US)
EN ROUTE	V108					(US)
EN ROUTE	V132					(US)
EN ROUTE	V17					(US)
EN ROUTE	V4					(US)
IAP	LOC RWY 33		1	KITR	BURLINGTON	CO (US)
IAP	NDB RWY 15			KITR	BURLINGTON	CO (US)
IAP	RNAV (GPS) RWY 15			KITR	BURLINGTON	CO (US)
IAP	ILS OR LOC RWY 30 (ALT MISS)		1	KGLD	GOODLAND	KS (US)
IAP	RNAV (GPS) RWY 12			KGLD	GOODLAND	KS (US)
IAP	RNAV (GPS) RWY 23			KGLD	GOODLAND	KS (US)
IAP	RNAV (GPS) RWY 30			KGLD	GOODLAND	KS (US)
IAP	VOR RWY 30		1	KGLD	GOODLAND	KS (US)
IAP	RNAV (GPS) RWY 34			KOEL	OAKLEY	KS (US)
IAP	NDB-A			KSYF	ST FRANCIS	KS (US)
STAR	DANDD			KBKF	AURORA	CO (US)
STAR	OZZZY (RNAV)			KCOS	COLORADO SPRINGS	CO (US)
STAR	DANDD			KAPA	DENVER	CO (US)
STAR	DANDD			KBJC	DENVER	CO (US)
STAR	DANDD			KCFO	DENVER	CO (US)
STAR	DANDD			KDEN	DENVER	CO (US)
STAR	DANDD			KFNL	FORT COLLINS/LOVELAND	CO (US)

STAR DANDD KGXY GREELEY CO (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 21

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

REMOVED KOEL - NDB -A FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: DAVID TEFFETELLER

APPROVED BY:

DATE: 01/25/2024

OFFICE: AJV-A433

NAME: DAVID TEFFETELLER

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: HAYES CENTER VORTAC

STATE: NE

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 402714.62N/1005524.86W

TYPE:

AIRSPACE DOCKET: 22-ACE-10

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	HAYES CENTER	HCT	VORTAC	VH						45000

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	NW	HCT	VORTAC	306.67	126.67	R	1	5000 6000	5 5
2	E	HCT	VORTAC	069.00	249.00	L	1 1/2	18000 45000	16 29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	403427.00N/1010509.00W	3399	4E

REASON FOR NONSTANDARD HOLDING:

PAT 2 REQUESTED BY ZDV.

HOLDING RESTRICTIONS:

HOLDING PATTERN 2 TO BE CHARTED ON ENROUTE HIGH AND CONTROLLER CHARTS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: E11/1970.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DENVER			KBKF	AURORA	CO (US)
DP	PLAINS			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	PLAINS			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	PLAINS			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	PLAINS			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	PLAINS			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PLAINS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	PLAINS			KGXY	GREELEY	CO (US)
EN ROUTE	J128					(US)
EN ROUTE	J60		2			(US)
EN ROUTE	V148					(US)
EN ROUTE	V8					(US)
IAP	VOR RWY 13			KCZD	COZAD	NE (US)
IAP	RNAV (GPS) RWY 03			KGTE	GOTHENBURG	NE (US)
IAP	VOR-A			KGTE	GOTHENBURG	NE (US)
IAP	ILS OR LOC/DME RWY 12		1	KMCK	MCCOOK	NE (US)
IAP	RNAV (GPS) RWY 12			KMCK	MCCOOK	NE (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. DOCKET: ADDED "22-ACE-10"
2. FIX USE: REMOVED "EN ROUTE V219".
3. HOLDING RESTRICTIONS: REMOVED "UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 6000."

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A421

NAME: JASON KRETSCHMER

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 384903.00N/1033717.00W TYPE:

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	HUGO	HGO	VOR/DME	H							45000

FIX RESTRICTIONS:

MCA V108 7100 WESTBOUND

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	SE	HGO	VOR/DME	131.63	311.63	L	1		10500	45000	9	29
2	SE		WP	128.00	308.00	L		10	13000	45000	15	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	384827.70N/1034147.30W	5721	4D
2	230	AAO	385045.00N/1034803.00W	5764	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

PAT 2 10 NM LEGS PER ATC REQUEST
PRECIPITOUS TERRAIN EVALUATION COMPLETED
ASSIGNED FACILITY MAGVAR 07 DEGREES EAST EPOCH YEAR 2020

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DENVER			KBKF	AURORA	CO (US)
DP	PIKES			KBKF	AURORA	CO (US)
DP	SPRINGS			KCOS	COLORADO SPRINGS	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	PIKES			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	PIKES			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	PIKES			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	PIKES			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PIKES			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	PIKES			KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
EN ROUTE	J171					(US)
EN ROUTE	J197					(US)
EN ROUTE	J20					(US)
EN ROUTE	J24					(US)
EN ROUTE	J52					(US)
EN ROUTE	V108					(US)
EN ROUTE	V169					(US)
EN ROUTE	V263					(US)
EN ROUTE	V366					(US)
IAP	ILS OR LOC RWY 17L			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS OR LOC RWY 35L			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS OR LOC RWY 35R			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS RWY 17L (SA CAT I/II)			KCOS	COLORADO SPRINGS	CO (US)
IAP	NDB RWY 35L			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS OR LOC RWY 17L			KDEN	DENVER	CO (US)
STAR	DANDD			KBKF	AURORA	CO (US)
STAR	QUAIL		1	KBKF	AURORA	CO (US)
STAR	OZZZY (RNAV)		2	KCOS	COLORADO SPRINGS	CO (US)
STAR	DANDD			KAPA	DENVER	CO (US)
STAR	QUAIL		1	KAPA	DENVER	CO (US)
STAR	DANDD			KBJC	DENVER	CO (US)
STAR	QUAIL		1	KBJC	DENVER	CO (US)
STAR	DANDD			KCFO	DENVER	CO (US)
STAR	QUAIL		1	KCFO	DENVER	CO (US)

STAR	DANDD		KDEN	DENVER	CO (US)
STAR	QUAIL	1	KDEN	DENVER	CO (US)
STAR	QUAIL	1	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	QUAIL	1	KGXY	GREELEY	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

UPDATED HOLDING PATTERNS: PAT 1 LEG TIME

UPDATED FIX USE: USE TYPE ADDED ILS OR LOC RWY 17L KDEN

CHANGED UNPLANNED HOLDING RESTRICTIONS TO HOLDING LIMITED TO ESTABLISHED PATTERNS

UPDATED HOLDING OBSTACLES

CHANGED REMARK FROM PAT MIN TEMPLATE OF 15 PER ATC REQUEST TO PAT 2 10 NM LEGS REQUESTED PER ATC

ADDED FACILITY MAGVAR REMARK

ADDED FIX RESTRICTIONS: MCA V108 7100 WESTBOUND

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: JOSHUA DUGAN

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZDV

ATC FACILITY: DEN APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: KREMMLING VOR/DME **STATE:** CO **COUNTRY:** US **ICAO REGION CODE:** K2

LATITUDE/LONGITUDE: 400009.50N/1062632.96W **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	KREMMLING	RLG	VOR/DME	VH						45000

FIX RESTRICTIONS:

MCA V591 12500 WESTBOUND
MCA V200 12500 WESTBOUND

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	RLG	VOR/DME	231.00	051.00	L	1	13200 17500	10 20
2	W	RLG	VOR/DME	260.00	080.00	R	1 1/2	14000 45000	13 29
3	E		WP	077.00	257.00	R	10	14600 17500	16 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	395133.00N/1063257.00W	11116	4E
1	265	AAO	395045.90N/1063200.30W	11684	4E
1	310	AAO	394920.00N/1062957.00W	11773	6A
2	265	AAO	395045.90N/1063200.30W	11684	6A
3	265	AAO	395200.00N/1061224.00W	11794	1A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	320
1	310	328
1	265	325
2	265	333
3	265	324

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR/DME-A	20V	KREMMLING	CO (US)
1	TAKE-OFF MINIMUMS	20V	KREMMLING	CO (US)

REMARKS:

CHART PATTERN 2 ON ENROUTE HIGH AND LOW
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 14 DEGREES E
HOLDING PAT 3 PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	ILS M RWY 25		2	KEGE	EAGLE	CO (US)
SPECIAL IAP	ILS OR LOC Y RWY 25		2	KEGE	EAGLE	CO (US)
SPECIAL IAP	LOC Z RWY 25			KEGE	EAGLE	CO (US)
SPECIAL IAP	RNAV (GPS) N RWY 25			KEGE	EAGLE	CO (US)
SPECIAL IAP	RNAV (RNP) P RWY 25			KEGE	EAGLE	CO (US)
DP	ASPEN			KASE	ASPEN	CO (US)
DP	LINDZ			KASE	ASPEN	CO (US)
DP	DENVER			KBKF	AURORA	CO (US)
DP	ROCKIES		2	KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	ROCKIES		2	KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	ROCKIES		2	KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	ROCKIES		2	KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	ROCKIES		2	KDEN	DENVER	CO (US)
DP	TAKE-OFF MINIMUMS			KEGE	EAGLE	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	ROCKIES		2	KFNL	FORT COLLINS/LOVELAND	CO (US)

DP	DENVER		KGXY	GREELEY	CO (US)
DP	ROCKIES	2	KGXY	GREELEY	CO (US)
DP	TAKE-OFF MINIMUMS	1	20V	KREMMLING	CO (US)
DP	CANYON		KPUB	PUEBLO	CO (US)
EN ROUTE	V200				(US)
EN ROUTE	V220				(US)
EN ROUTE	V328				(US)
EN ROUTE	V361				(US)
EN ROUTE	V421				(US)
EN ROUTE	V591				(US)
EN ROUTE	V8				(US)
IAP	ILS OR LOC Y RWY 25	2	KEGE	EAGLE	CO (US)
IAP	LDA RWY 25	2	KEGE	EAGLE	CO (US)
IAP	LOC RWY 25		KEGE	EAGLE	CO (US)
IAP	RNAV (GPS)-A		KEGE	EAGLE	CO (US)
IAP	RNAV (GPS)-B		20V	KREMMLING	CO (US)
IAP	VOR/DME-A	1	20V	KREMMLING	CO (US)
IAP	VOR/DME-C		KSBS	STEAMBOAT SPRINGS	CO (US)
STAR	POWDR		KBKF	AURORA	CO (US)
STAR	TOMSN		KBKF	AURORA	CO (US)
STAR	POWDR		KAPA	DENVER	CO (US)
STAR	TOMSN		KAPA	DENVER	CO (US)
STAR	POWDR		KBJC	DENVER	CO (US)
STAR	TOMSN		KBJC	DENVER	CO (US)
STAR	POWDR		KCFO	DENVER	CO (US)
STAR	TOMSN		KCFO	DENVER	CO (US)
STAR	POWDR		KDEN	DENVER	CO (US)
STAR	TOMSN		KDEN	DENVER	CO (US)
STAR	POWDR		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	TOMSN		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	POWDR		KGXY	GREELEY	CO (US)
STAR	TOMSN		KGXY	GREELEY	CO (US)

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

COMPULSORY REPORTING POINT: LOW/HIGH

RECORD REVISION NUMBER: 20

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. REMARKS: UPDATED "HOLDING PAT 3 FOR ATC USE." TO "HOLDING PAT 3 PER ATC REQUEST."
2. REMARKS: UPDATED "MAGVAR: E14" TO "ASSIGNED FACILITY MAGVAR: 14 DEGREES E."
3. FIX USE: FIX USE: DELETED SPECIAL DP KREMM AND GYPSUM (OBSTACLE) AT KEGE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: LARAMIE VOR/DME

STATE: WY

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 412016.15N/1054315.36W

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	LARAMIE	LAR	VOR/DME	L						17500

FIX RESTRICTIONS:

MCA V4 10600 WESTBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW	LAR	VOR/DME	305.00	125.00	L	1		9600	17500	9	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	413042.00N/1055736.00W	7756	4E
1	310	AAO	412642.00N/1060921.00W	10512	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	86

REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 11000

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR/DME RWY 30	KLAR	LARAMIE	WY (US)
1	VOR/DME RWY 12	KLAR	LARAMIE	WY (US)
1	T/O MINS AND DP	KLAR	LARAMIE	WY (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PAT 1 310 KIAS CONTROLLING OBS LOCATED 12492 FT (2.06 NM) INTO SECONDARY. PRIMARY EQUIVALENT: 9516 FT

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DENVER			KBKF	AURORA	CO (US)
DP	YELLOWSTONE			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	YELLOWSTONE			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	YELLOWSTONE			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	YELLOWSTONE			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	YELLOWSTONE			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	YELLOWSTONE			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	YELLOWSTONE			KGXY	GREELEY	CO (US)
DP	T/O MINS AND DP		1	KLAR	LARAMIE	WY (US)
EN ROUTE	J157					(US)
EN ROUTE	J175					(US)
EN ROUTE	J54					(US)
EN ROUTE	V118					(US)
EN ROUTE	V4					(US)
EN ROUTE	V524					(US)
EN ROUTE	V575					(US)
EN ROUTE	V85					(US)
IAP	RNAV (GPS) RWY 12			KLAR	LARAMIE	WY (US)
IAP	RNAV (GPS) RWY 30			KLAR	LARAMIE	WY (US)
IAP	VOR/DME RWY 12		1	KLAR	LARAMIE	WY (US)
IAP	VOR/DME RWY 30		1	KLAR	LARAMIE	WY (US)
STAR	RAMMS			KBKF	AURORA	CO (US)
STAR	RAMMS			KAPA	DENVER	CO (US)
STAR	RAMMS			KBJC	DENVER	CO (US)
STAR	RAMMS			KCFO	DENVER	CO (US)
STAR	RAMMS			KDEN	DENVER	CO (US)

STAR	RAMMS	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	RAMMS	KGXY	GREELEY	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

REMOVED DP YAMMI (RNAV) AT KAPA, KBJC, KCFO, KDEN, AND KFNL FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTINE BAYSE

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 400402.79N/1075529.82W 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	MEEKER	EKR	VOR/DME	VH						45000

FIX RESTRICTIONS:

MCA V200 11300 EASTBOUND

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	W	EKR	VOR/DME	262.84	082.84	R	1	10700 17500	9 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	395706.00N/1075336.00W	8731	4B
1	310	AAO	395206.00N/1075003.00W	9374	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	300
1	230	250

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR-A	KEEO	MEEKER	CO (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: E9°/2025.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN			KASE	ASPEN	CO (US)
DP	LINDZ			KASE	ASPEN	CO (US)
DP	DENVER			KBKF	AURORA	CO (US)
DP	ROCKIES			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	ROCKIES			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	ROCKIES			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	ROCKIES			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	ROCKIES			KDEN	DENVER	CO (US)
DP	MEEKER			KEGE	EAGLE	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	ROCKIES			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	GRAND JUNCTION			KGJT	GRAND JUNCTION	CO (US)
DP	GRAND MESA			KGJT	GRAND JUNCTION	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	ROCKIES			KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
DP	RUGGD (RNAV)			KSLC	SALT LAKE CITY	UT (US)
EN ROUTE	J100					(US)
EN ROUTE	J116					(US)
EN ROUTE	J156					(US)
EN ROUTE	J173					(US)
EN ROUTE	J196					(US)
EN ROUTE	J198					(US)
EN ROUTE	J199					(US)
EN ROUTE	J84					(US)
EN ROUTE	V108					(US)
EN ROUTE	V200					(US)
EN ROUTE	V220					(US)
EN ROUTE	V26					(US)
IAP	VOR RWY 25			KCAG	CRAIG	CO (US)
IAP	ILS OR LOC RWY 11			KGJT	GRAND JUNCTION	CO (US)
IAP	VOR/DME-B			KHDN	HAYDEN	CO (US)

IAP	RNAV (GPS) - B		KEEO	MEEKER	CO (US)
IAP	RNAV (GPS) RWY 3		KEEO	MEEKER	CO (US)
IAP	VOR-A	1	KEEO	MEEKER	CO (US)
IAP	RNAV (GPS) RWY 25		4V0	RANGELY	CO (US)
IAP	ILS RWY 26		KRIL	RIFLE	CO (US)
IAP	LOC/DME-A		KRIL	RIFLE	CO (US)
STAR	TOMSN		KBKF	AURORA	CO (US)
STAR	TOMSN		KAPA	DENVER	CO (US)
STAR	TOMSN		KBJC	DENVER	CO (US)
STAR	TOMSN		KCFO	DENVER	CO (US)
STAR	TOMSN		KDEN	DENVER	CO (US)
STAR	TOMSN		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	TOMSN		KGXY	GREELEY	CO (US)
STAR	PITTT (RNAV)		KSLC	SALT LAKE CITY	UT (US)
STAR	SPANE		KSLC	SALT LAKE CITY	UT (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

FIX USE: ADDED PITTT (RNAV) AND REMOVED LEEHY (RNAV) AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: PUEBLO VORTAC **STATE:** CO **COUNTRY:** US **ICAO REGION CODE:** K2
LATITUDE/LONGITUDE: 381739.31N/1042546.01W **TYPE:**
AIRSPACE DOCKET: 16-AGL-02 **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	PUEBLO	PUB	VORTAC	H						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	E	PUB	VORTAC	069.22	249.22	R	1	7400 45000	8 29
2	E		WP	069.22	249.22	R	7	7400 45000	9 30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (08-000066)	382224.00N/1043329.00W	6303	4D
1	310	TOWER (08-000066)	382224.00N/1043329.00W	6303	4D
2	230	TOWER (08-000066)	382224.00N/1043329.00W	6306	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKE-OFF MINIMUMS	KPUB	PUEBLO	CO (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 PAT 1 230K OBSTACLE LOCATED 8412 FEET INTO SECONDARY.
 PAT 2 230K OBSTACLE LOCATED 5740 FEET INTO SECONDARY.
 PUB MAGVAR 8E 2020.
 CHART HOLDING PAT 1 ON EN ROUTE HIGH AND CONTROLLER HIGH CHART PER ATC TO ISSUE HOLDING TO SKI COUNTRY AIRCRAFT.
 HOLDING PAT 2 REQUESTED BY ATC TO FACILITATE HOLDING TO SKI COUNTRY AIRCRAFT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASPEN			KASE	ASPEN	CO (US)
DP	DENVER			KBKF	AURORA	CO (US)
DP	PIKES			KBKF	AURORA	CO (US)
DP	PUEBLO (RNAV) (OBSTACLE)			KAEJ	BUENA VISTA	CO (US)
DP	TAKE-OFF MINIMUMS			1V6	CANON CITY	CO (US)
DP	SPRINGS			KCOS	COLORADO SPRINGS	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	PIKES			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	PIKES			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	PIKES			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	PIKES			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PIKES			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	PIKES			KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
DP	TAKE-OFF MINIMUMS		1	KPUB	PUEBLO	CO (US)
EN ROUTE	J104					(US)
EN ROUTE	J17					(US)
EN ROUTE	J28					(US)
EN ROUTE	J64					(US)
EN ROUTE	Q37					(US)
EN ROUTE	V10					(US)
EN ROUTE	V244					(US)
EN ROUTE	V389					(US)
EN ROUTE	V611					(US)
EN ROUTE	V81					(US)
EN ROUTE	V83					(US)
IAP	RNAV (RNP) Z RWY 29			1V6	CANON CITY	CO (US)
IAP	ILS OR LOC RWY 17L			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS OR LOC RWY 35L			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS OR LOC RWY 35R			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS RWY 17L (SA CAT I-II)			KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS RWY 35L (SA CAT II)			KCOS	COLORADO SPRINGS	CO (US)
IAP	NDB RWY 35L			KCOS	COLORADO SPRINGS	CO (US)
IAP	RNAV (GPS) RWY 31			KCOS	COLORADO SPRINGS	CO (US)

IAP	RNAV (GPS) Y RWY 17R	KCOS	COLORADO SPRINGS	CO (US)
IAP	RNAV (GPS) Y RWY 35L	KCOS	COLORADO SPRINGS	CO (US)
IAP	RNAV (GPS) Y RWY 35R	KCOS	COLORADO SPRINGS	CO (US)
IAP	RNAV (RNP) Z RWY 17R	KCOS	COLORADO SPRINGS	CO (US)
IAP	COPTER NDB 318	KFCS	FORT CARSON	CO (US)
IAP	ILS OR LOC RWY 08R	KPUB	PUEBLO	CO (US)
IAP	ILS OR LOC RWY 26L	KPUB	PUEBLO	CO (US)
IAP	RNAV (GPS) RWY 26L	KPUB	PUEBLO	CO (US)
IAP	VOR RWY 26L	KPUB	PUEBLO	CO (US)
STAR	DANDD	KBKF	AURORA	CO (US)
STAR	LARKS	KBKF	AURORA	CO (US)
STAR	QUAIL	KBKF	AURORA	CO (US)
STAR	DEBERRY	KCOS	COLORADO SPRINGS	CO (US)
STAR	DANDD	KAPA	DENVER	CO (US)
STAR	LARKS	KAPA	DENVER	CO (US)
STAR	QUAIL	KAPA	DENVER	CO (US)
STAR	DANDD	KBJC	DENVER	CO (US)
STAR	LARKS	KBJC	DENVER	CO (US)
STAR	QUAIL	KBJC	DENVER	CO (US)
STAR	DANDD	KCFO	DENVER	CO (US)
STAR	LARKS	KCFO	DENVER	CO (US)
STAR	QUAIL	KCFO	DENVER	CO (US)
STAR	DANDD	KDEN	DENVER	CO (US)
STAR	LARKS	KDEN	DENVER	CO (US)
STAR	QUAIL	KDEN	DENVER	CO (US)
STAR	LARKS	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	QUAIL	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	LARKS	KGXY	GREELEY	CO (US)
STAR	QUAIL	KGXY	GREELEY	CO (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 23

DATE OF REVISION: 09/08/2022

REASON FOR REVISION:

1. REMOVED KCOS ILS OR LOC RWY 08L FROM FIX USE.
2. ADDED KFCS COPTER NDB 318 PROCEDURE TO FIX USE.
3. CHANGED PATTERN 1 LEG TIME FROM 1-1 1/2 MINUTES TO 1 MINUTE.
4. REMOVED KDEN LDORA RNAV STAR FROM FIX USE.
5. REMOVED KDEN PEEKK RNAV STAR FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A450

NAME: JOSHUA LEETE

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A450

NAME: BEV L BORDY

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: THURMAN VORTAC

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 394153.94N/1031253.78W

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	THURMAN	TXC	VORTAC	VL						45000

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DENVER			KBKF	AURORA	CO (US)
DP	PLAINS			KBKF	AURORA	CO (US)
DP	DENVER			KAPA	DENVER	CO (US)
DP	PLAINS			KAPA	DENVER	CO (US)
DP	DENVER			KBJC	DENVER	CO (US)
DP	PLAINS			KBJC	DENVER	CO (US)
DP	DENVER			KCFO	DENVER	CO (US)
DP	PLAINS			KCFO	DENVER	CO (US)
DP	DENVER			KDEN	DENVER	CO (US)
DP	PLAINS			KDEN	DENVER	CO (US)
DP	DENVER			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PLAINS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	DENVER			KGXY	GREELEY	CO (US)
DP	PLAINS			KGXY	GREELEY	CO (US)
DP	CANYON			KPUB	PUEBLO	CO (US)
EN ROUTE	V148					(US)
EN ROUTE	V169					(US)
EN ROUTE	V4					(US)
IAP	RNAV (GPS) RWY 15			KITR	BURLINGTON	CO (US)
IAP	ILS OR LOC RWY 17			KCFO	DENVER	CO (US)
STAR	DANDD			KBKF	AURORA	CO (US)
STAR	QUAIL			KBKF	AURORA	CO (US)
STAR	DANDD			KAPA	DENVER	CO (US)
STAR	QUAIL			KAPA	DENVER	CO (US)
STAR	DANDD			KBJC	DENVER	CO (US)
STAR	QUAIL			KBJC	DENVER	CO (US)
STAR	DANDD			KCFO	DENVER	CO (US)
STAR	QUAIL			KCFO	DENVER	CO (US)
STAR	DANDD			KDEN	DENVER	CO (US)
STAR	QUAIL			KDEN	DENVER	CO (US)
STAR	DANDD			KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	QUAIL			KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	DANDD			KGXY	GREELEY	CO (US)
STAR	QUAIL			KGXY	GREELEY	CO (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 10

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

HOLDING: CANCELED AND REMOVED ALL ASSOCIATED REMARKS.

COMPULSORY REPORTING POINT: CHANGED FROM NO TO LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A440

NAME: DAVID DANNER

SIGNATURE: