

RADIO FIX AND HOLDING DATA RECORD

NAME: CLEVE

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 392037.08N/1035159.13W

TYPE: 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	MILE HIGH	DVV	VORTAC	H	124.99	132.99	48.23	48.23		10000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DVV	VORTAC	R-125	49	10000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	DANDD	1		KBKF	AURORA	CO (US)
STAR	DANDD	1		KAPA	DENVER	CO (US)
STAR	DANDD	1		KBJC	DENVER	CO (US)
STAR	DANDD	1		KCFO	DENVER	CO (US)
STAR	DANDD	1		KDEN	DENVER	CO (US)
STAR	DANDD	1		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	DANDD	1		KGXY	GREELEY	CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

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).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

Digitally signed by

JACOB POWERS

Oct 04, 2019

DISTRIBUTION:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DANDD STATE: CO COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 392349.54N/1035620.88W 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	MILE HIGH	DVV	VORTAC	H	124.99	132.99	43.57	43.57	10000	45000
2	THURMAN	TXC	VORTAC	L	229.98	241.98		38.15	10000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DVV	VORTAC	R-125	44	10000	45000
TXC	VORTAC	R-230	39	10000	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	DVV	VORTAC	124.99	304.99	L	1-1 1/2	10000 45000	11 31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	WINDMILL (08-021282)	392234.65N/1034721.50W	6382	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

MILE HIGH (FAC 1) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J154	1, 2				(US)
STAR	DANDD	1, 2	1	KBKF	AURORA	CO (US)
STAR	DANDD	1, 2	1	KAPA	DENVER	CO (US)
STAR	DANDD	1, 2	1	KBJC	DENVER	CO (US)
STAR	DANDD	1, 2	1	KCFO	DENVER	CO (US)
STAR	DANDD	1, 2	1	KDEN	DENVER	CO (US)
STAR	JAGGR (RNAV)			KDEN	DENVER	CO (US)
STAR	PURRL (RNAV)			KDEN	DENVER	CO (US)
STAR	DANDD	1, 2	1	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	DANDD	1, 2	1	KGXY	GREELEY	CO (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 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).

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A442 NAME: DAN POWELL

APPROVED BY: DATE: OFFICE: AJV-A440 NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
JACOB POWERS

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

Oct 04, 2019

QUALITY
 14
 CHECKED

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	MRA FEET	MAA
1	GARDEN CITY	GCK	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	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

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	ILS OR LOC RWY 35	KGCK	GARDEN CITY	KS (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
 ASSIGNED MAGVAR = 11E/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)
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	V507					(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/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)
IAP	NDB RWY 12			KULS	ULYSSES	KS (US)
STAR	DANDD			KBKF	AURORA	CO (US)

QUALITY
 14
 CHECKED

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: 17

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); REMOVED IAP GCK VOR RWY 35.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A442 **NAME:** DAN POWELL

APPROVED BY: **DATE:** **OFFICE:** AJV-A440 **NAME:** PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
JACOB POWERS

Oct 04, 2019

DISTRIBUTION: **NFDC**
 FPO: CEN
 ARTCC: ZKC, ZDV
 ATC FACILITY:
 OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GOAVS **STATE:** CO **COUNTRY:** US **ICAO REGION CODE:** K2

LATITUDE/LONGITUDE: 394926.87N/1043134.43W **TYPE:** 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	FAC FEET	MRA	MAA
1	MILE HIGH	DVV	VORTAC	H	124.99	132.99	6.20	6.20		10000	17500
2	FALCON	FQF	VORTAC	H	017.59	028.59		9.15		10000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

MILE HIGH (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	DANDD	1, 2		KBKF	AURORA	CO (US)
STAR	DANDD	1, 2		KAPA	DENVER	CO (US)
STAR	DANDD	1, 2		KBJC	DENVER	CO (US)
STAR	DANDD	1, 2		KCFO	DENVER	CO (US)
STAR	DANDD	1, 2		KDEN	DENVER	CO (US)
STAR	DANDD	1, 2		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	DANDD	1, 2		KGXY	GREELEY	CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **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).

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A442 **NAME:** DAN POWELL

APPROVED BY: **DATE:** **OFFICE:** AJV-A440 **NAME:** PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
JACOB POWERS

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

Oct 04, 2019

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GOODLAND VORTAC STATE: KS COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 392316.33N/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	MRA FEET	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 10
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 PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

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

REMARKS:

CHART PATTERN 2 ON EN ROUTE HIGH
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 PATTERN 2 PER ATC REQUEST.
 GLD VORTAC MAGVAR 12E/1965.
 PAT 1 C-I-H EVALUATED USING TEMPLATE 13 AT 5600.

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	J192		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	NDB RWY 17			KCBK	COLBY	KS (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	NDB RWY 34			KOEL	OAKLEY	KS (US)
IAP	RNAV (GPS) RWY 34			KOEL	OAKLEY	KS (US)
IAP	NDB RWY 35			KOIN	OBERLIN	KS (US)
IAP	NDB-A			KSYF	ST FRANCIS	KS (US)
STAR	DANDD			KBKF	AURORA	CO (US)
STAR	SAYGE			KBKF	AURORA	CO (US)
STAR	OZZZY (RNAV)			KCOS	COLORADO SPRINGS	CO (US)

QUALITY
14
CHECKED

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

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

COMPULSORY REPORTING POINT: LOW/HIGH

RECORD REVISION NUMBER: 16

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).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*

JACOB POWERS

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZDV

ATC FACILITY:

OTHER:

Oct 04, 2019

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KIPPY STATE: CO COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 390412.83N/1032950.19W TYPE: 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	FAC FEET	MRA	MAA
1	MILE HIGH	DVV	VORTAC	H	124.99	132.99	72.00	72.00		13000	45000
2	THURMAN	TXC	VORTAC	L	187.32	199.32		39.88		13000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DVV	VORTAC	R-125	72	9000	17000
TXC	VORTAC	R-187	40	9000	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	DVV	VORTAC	124.99	304.99	R	1-1 1/2	13000 45000	12 31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	390842.00N/1033812.00W	5676	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

MILE HIGH (FAC 1) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	DANDD	1, 2	1	KBKF	AURORA	CO (US)
STAR	DANDD	1, 2	1	KAPA	DENVER	CO (US)
STAR	DANDD	1, 2	1	KBJC	DENVER	CO (US)
STAR	DANDD	1, 2	1	KCFO	DENVER	CO (US)
STAR	DANDD	1, 2	1	KDEN	DENVER	CO (US)
STAR	DANDD	1, 2	1	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	DANDD	1, 2	1	KGXY	GREELEY	CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 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).

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A442 NAME: DAN POWELL

APPROVED BY: DATE: OFFICE: AJV-A440 NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
JACOB POWERS

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

Oct 04, 2019

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OATHE STATE: KS COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 385059.03N/1014739.33W 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	MRA FEET	MAA
1	HAYS	HYS	VORTAC	L	260.85	270.85	118.00	118.00	18000	43000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HYS	VORTAC	R-261	118	18000	43000

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	HYS	VORTAC	080.85	260.85	R	1 1/2		18000	43000	18	31
2	E		WP	081.24	261.24	R		10	18000	43000	17	30

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

PAT 2 MIN TEMPLATE 17 USED TO ACCOMODATE ATC REQUEST FOR 10 NM HOLDING LEG LENGTH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J24	1				(US)
STAR	DANDD	1	1	KBKF	AURORA	CO (US)
STAR	DANDD	1	1	KAPA	DENVER	CO (US)
STAR	DANDD	1	1	KBJC	DENVER	CO (US)
STAR	DANDD	1	1	KCFO	DENVER	CO (US)
STAR	DANDD	1	1	KDEN	DENVER	CO (US)
STAR	JAGGR (RNAV)		2	KDEN	DENVER	CO (US)
STAR	PURRL (RNAV)		2	KDEN	DENVER	CO (US)
STAR	DANDD	1	1	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	DANDD	1	1	KGXY	GREELEY	CO (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

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).

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A442 NAME: DAN POWELL

APPROVED BY: DATE: OFFICE: AJV-A440 NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
JACOB POWERS

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

Oct 04, 2019

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PEEDE

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 393456.07N/1041132.22W

TYPE: 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	MILE HIGH	DVV	VORTAC	H	124.99	132.99	27.40	27.40		10000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	DANDD	1		KBKF	AURORA	CO (US)
STAR	DANDD	1		KAPA	DENVER	CO (US)
STAR	DANDD	1		KBJC	DENVER	CO (US)
STAR	DANDD	1		KCFO	DENVER	CO (US)
STAR	DANDD	1		KDEN	DENVER	CO (US)
STAR	DANDD	1		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	DANDD	1		KGXY	GREELEY	CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

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).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

Digitally signed by
JACOB POWERS

Oct 04, 2019

DISTRIBUTION:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PRAGG STATE: CO COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 385459.02N/1031729.42W TYPE: 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	MILE HIGH	DVV	VORTAC	H	124.99	132.99	85.33	85.33	17000	45000
2	HUGO	HGO	VOR/DME	H	061.92	068.92	16.56	16.56	17000	45000
3	THURMAN	TXC	VORTAC	L	172.37	184.37		47.01	17000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ON FILE					
DVV	VORTAC	R-125	86	17000	45000
TXC	VORTAC	R-172	47	17000	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	HOLDING ALTITUDES MIN DME	MAX	TEMPLATES MIN	MAX
1	SE	DVV	VORTAC	124.99	304.99	R	1 1/2	17000	45000	18	31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (08-000163)	390543.00N/1031414.00W	5659	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

MILE HIGH (FAC 1) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	DANDD	1, 2, 3	1	KBKF	AURORA	CO (US)
STAR	DANDD	1, 2, 3	1	KAPA	DENVER	CO (US)
STAR	DANDD	1, 2, 3	1	KBJC	DENVER	CO (US)
STAR	DANDD	1, 2, 3	1	KCFO	DENVER	CO (US)
STAR	DANDD	1, 2, 3	1	KDEN	DENVER	CO (US)
STAR	DANDD	1, 2, 3	1	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	DANDD	1, 2, 3	1	KGXY	GREELEY	CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 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).

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A442 NAME: DAN POWELL
 APPROVED BY: DATE: OFFICE: AJV-A440 NAME: PATRICK MULQUEEN
 SIGNATURE: *Digitally signed by*
JACOB POWERS
 DISTRIBUTION: NFDC Oct 04, 2019
 FPO: WST
 ARTCC: ZDV
 ATC FACILITY: DEN
 OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RYLIE

STATE: KS

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 382014.32N/1014938.92W

TYPE: 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 NM	FAC FEET	MRA	MAA
1	GARDEN CITY	GCK	VORTAC	H	285.00	296.00	57.90	57.90		18000	45000
2	GOODLAND	GLD	VORTAC	H	173.79	185.79		63.29		18000	45000
3	LAMAR	LAA	VOR/DME	H	066.05	078.05	41.50	41.50		18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

LAMAR (FAC 3) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J102	1, 2, 3				(US)
EN ROUTE	J154	1, 2, 3				(US)
STAR	DANDD	1, 2, 3	KBKF	AURORA		CO (US)
STAR	DANDD	1, 2, 3	KAPA	DENVER		CO (US)
STAR	DANDD	1, 2, 3	KBJC	DENVER		CO (US)
STAR	DANDD	1, 2, 3	KCFO	DENVER		CO (US)
STAR	DANDD	1, 2, 3	KDEN	DENVER		CO (US)
STAR	DANDD	1, 2, 3	KFNL	FORT COLLINS/LOVELAND		CO (US)
STAR	DANDD	1, 2, 3	KGXY	GREELEY		CO (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

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).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

Digitally signed by

JACOB POWERS

DISTRIBUTION:

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

Oct 04, 2019

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SELLS

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 384941.07N/1031025.48W

TYPE: 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 NM	FAC FEET	MRA	MAA
1	GARDEN CITY	GCK	VORTAC	H	285.00	296.00	127.73	127.73		20000	45000
2	MILE HIGH	DVV	VORTAC	H	124.99	132.99	92.98	92.98		18000	45000
3	PUEBLO	PUB	VORTAC	H	053.18	061.18		67.20		18000	45000
4	HUGO	HGO	VOR/DME	H	081.13	088.13	21.00	21.00		18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

HUGO (FAC 4) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J154	1, 2, 3, 4				(US)
EN ROUTE	J24	1, 2, 3, 4				(US)
STAR	DANDD	1, 2, 4	KBKF		AURORA	CO (US)
STAR	DANDD	1, 2, 4	KAPA		DENVER	CO (US)
STAR	DANDD	1, 2, 4	KBJC		DENVER	CO (US)
STAR	DANDD	1, 2, 4	KCFO		DENVER	CO (US)
STAR	DANDD	1, 2, 4	KDEN		DENVER	CO (US)
STAR	DANDD	1, 2, 4	KFNL		FORT COLLINS/LOVELAND	CO (US)
STAR	DANDD	1, 2, 4	KGXY		GREELEY	CO (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

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).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
JACOB POWERS

DISTRIBUTION:

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

Oct 04, 2019

QUALITY
14
CHECKED