

RADIO FIX AND HOLDING DATA RECORD

NAME: HISSY

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 401226.13N/1043921.53W

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	FAC FEET	MRA	MAA
1	DENVER	I-ACX	LOC/DME		352.53	000.53	20.57	22.89		12000	14000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-ACX	LOC/DME	R-353	23	12000	14000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

DME COORDINATES 395150.92N/1043933.05W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17R	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 17R			KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 17R			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. FIX USE ADDED KDEN RNAV (RNP) Z RWY 17R.
2. FIX USE ADDED KDEN RNAV (GPS) Y RWY 17R.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHARLES HIRST

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A431

NAME: CASEY HILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: HOHUM

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 392131.39N/1045052.15W

TYPE: WP, RADAR, 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	FALCON	FQF	VORTAC	VH	197.00	208.00	22.49	22.49	9000	17500
2	JEFFCO	BJC	VOR/DME	VH	146.80	157.80	35.87	35.87	9000	17500

FIX RESTRICTIONS:

MCA V95 13100 SOUTHBOUND

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	N	FQF	VORTAC	197.00	197.00	L	1		11000	14000	11	12
2	N		WP	020.00	200.00	L		7	11000	14000	10	11
3	N	FQF	VORTAC	197.00	197.00	L	1		9000	14000	11	12
4	N		WP	020.00	200.00	L		7	10400	14000	10	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	391336.00N/1045200.00W	7727	4B
2	230	AAO	391336.00N/1045200.00W	7727	4B
3	230	AAO	391335.00N/1045159.00W	7735	6A
4	230	AAO	391336.00N/1045200.00W	7727	4B
4	310	AAO	391157.00N/1045915.00W	8859	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
4	310	190

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

PAT 2 ATC REQUEST

PAT 3 TO DECONFLICT WITH AIRCRAFT ON MISSED APPROACH FROM DENVER INTL.

PAT 4 TO DECONFLICT WITH AIRCRAFT ON MISSED APPROACH FROM DENVER INTL.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	RNAV (RNP) Z RWY 17L	KAPA	DENVER	CO (US)
4	RNAV (GPS) Y RWY 17L	KAPA	DENVER	CO (US)

REMARKS:

FALCON (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	V81	1, 2				(US)
EN ROUTE	V95	1, 2				(US)
IAP	ILS OR LOC RWY 35R	1, 2	3	KAPA	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 17L		4	KAPA	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 17L		4	KAPA	DENVER	CO (US)
IAP	ILS OR LOC RWY 17R	1, 2	1	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 17R		2	KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 17R		2	KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. HOLDING PATTERNS HP1 MINIMUM ALTITUDE CHANGED FROM 10000 TO 11000.
2. HOLDING PATTERNS HP2 MINIMUM ALTITUDE CHANGED FROM 10000 TO 11000.
3. HOLDING PATTERNS HP1 TURN DIRECTION CHANGED FROM R TO L.
4. HOLDING PATTERNS HP2 TURN DIRECTION CHANGED FROM R TO L.
5. CONTROLLING OBSTRUCTIONS HP1 CHANGED FROM "230 AAO 391807.60N/1045617.10W 7681 6C" TO "230 AAO 391336.00N/1045200.00W 7727 4B".
6. CONTROLLING OBSTRUCTIONS HP2 CHANGED FROM "230 AAO 391807.60N/1045617.10W 7681 6C" TO "230 AAO 391336.00N/1045200.00W 7727 4B".

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: CHARLES HIRST
APPROVED BY:	DATE: 10/23/2025	OFFICE: AJV-A431	NAME: CASEY HILL
	SIGNATURE:		

RADIO FIX AND HOLDING DATA RECORD

NAME: HOOPE

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 400941.26N/1043923.53W

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 FAC NM	FAC FEET	MRA	MAA
1	DENVER	I-ACX	LOC/DME		352.53	000.53	17.83	20.14		11000	13000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-ACX	LOC/DME	R-353	21	11000	13000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

DENVER (FAC 1) USED TO ESTABLISH FIX COORDINATES.
DME COORDINATES 395150.92N/1043933.05W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17R	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 17R			KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 17R			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 11/15/2012

REASON FOR REVISION:

FAC 1 MAG BRG CHANGED FROM 349.53 TO 352.53
FAC 1 MAGVAR CHANGED FROM 11E TO 8E
UPDATED FIX USE
REMOVED FAC 1 AND 3
REMOVED INT FROM TYPE
ADDED FAC 1 ESV DATA
FAC 1 MRA/MAA CHANGED FROM 7000/15000 TO 11000/13000

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 11/01/2011

OFFICE: AJV-354

NAME: CHARLES SCHNEIDER

APPROVED BY:

DATE: 10/01/2012

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JAKUR

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 393744.79N/1043946.56W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

IAP

IAP

USE TITLE

RNAV (GPS) Y RWY 17R

RNAV (RNP) Z RWY 17R

FAC

PAT

AIRPORT IDENT

KDEN

KDEN

CITY

DENVER

DENVER

STATE

CO (US)

CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/15/2012

REASON FOR REVISION:

UPDATED FIX USE

REMOVED FAC 1

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/17/2012

OFFICE: AJV-354

NAME: CHARLES SCHNEIDER

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A431

NAME: CASEY HILL

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZDV

ATC FACILITY: DEN APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: JAPEX

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 400502.07N/1043926.91W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	DENVER	I-ACX	LOC/DME		352.53	000.53	13.18	15.49		9600	11000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-ACX	LOC/DME	R-353	16	9600	11000

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

DENVER (FAC 1) USED TO ESTABLISH FIX COORDINATES.
DME COORDINATES 395150.92N/1043933.05W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17R	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 17R			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/15/2012

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 11/01/2011

OFFICE: AJV-354

NAME: CHARLES SCHNEIDER

APPROVED BY:

DATE: 10/01/2012

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JOMAG

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 400259.84N/1043928.42W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	DENVER	I-ACX	LOC/DME		352.53	000.53	11.14	13.46		9000	11000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-ACX	LOC/DME	R-353	14	9000	11000

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

DENVER (FAC 1) USED TO ESTABLISH FIX COORDINATES.
DME COORDINATES 395150.92N/1043933.05W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17R	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 17R			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/15/2012

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 11/12/2011

OFFICE: AJV-354

NAME: CHARLES SCHNEIDER

APPROVED BY:

DATE: 10/01/2012

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JOSEE

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 395944.44N/1043930.74W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	DENVER	I-ACX	LOC/DME		352.53	000.53	7.89	10.20		8000	9800

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

DENVER (FAC 1) USED TO ESTABLISH FIX COORDINATES.
DME COORDINATES 395150.92N/1043933.05W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17R	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 17R			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/15/2012

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 11/01/2011

OFFICE: AJV-354

NAME: CHARLES SCHNEIDER

APPROVED BY:

DATE: 10/01/2012

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JOULE

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 395635.89N/1043933.01W

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 FAC NM	FEET	MRA	MAA
1	DENVER	I-ACX	LOC/DME		352.53	000.53	4.75	7.06	42913	7000	9800

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

DME COORDINATES 395150.92N/1043933.05W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17R	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 17R			KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 17R			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. FIX MAKEUP FAC 1 I-ACX DME CHANGED FROM 4.73 NM TO 4.75 NM.
2. FIX MAKEUP FAC 1 I-ACX DIST FROM FAC NM CHANGED FROM 7.05 TO 7.06.
3. FIX MAKEUP FAC 1 I-ACX DIST FROM FAC FT CHANGED FROM 42824 TO 42913.
4. FIX MAKEUP LAT/LONG CHANGED FROM 395635.01N/1043933.02W TO 395635.8882N/1043933.0059W FIX RELOCATED 89 FT NORTH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHARLES HIRST

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A431

NAME: CASEY HILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: WUTVO

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 394741.83N/1043939.38W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

IAP

IAP

USE TITLE

RNAV (GPS) Y RWY 17R

RNAV (RNP) Z RWY 17R

FAC

PAT

AIRPORT IDENT

KDEN

KDEN

CITY

DENVER

DENVER

STATE

CO (US)

CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/27/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHARLES HIRST

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A431

NAME: CASEY HILL

SIGNATURE: