

# RADIO FIX AND HOLDING DATA RECORD

NAME: BRAZO

STATE: NM

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 364915.35N/1063906.43W

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 NM	FAC FEET	MRA	MAA
1	ALAMOSA	ALS	VORTAC	H	219.00	232.00	51.12	51.12		13000	17500
2	DURANGO	DRO	VOR/DME	L	096.34	110.34		56.41		11300	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ALS	VORTAC	R-219	52	13000	17500
DRO	VOR/DME	R-096	57	11300	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

ALAMOSAS (FAC 1) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V211	1, 2				(US)
EN ROUTE	V368	1, 2				(US)
IAP	RNAV (GPS) RWY 1			KPSO	PAGOSA SPRINGS	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 03/26/2020

## REASON FOR REVISION:

REMOVED LDORA AND PEEKK STAR'S AT KDEN AIRPORT.  
DELETED STAR FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TOMMY BYRNS

APPROVED BY:

DATE:

*Digitally signed by*

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: **ALLAN WILL**

Nov 27, 2019

DISTRIBUTION:

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: BUMPY

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 383620.48N/1055810.69W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR  
STAR

USE TITLE  
LDORA (RNAV)  
PEEKK (RNAV)

FAC PAT

AIRPORT IDENT  
KDEN  
KDEN

CITY  
DENVER  
DENVER

STATE  
CO (US)  
CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/18/2014

REASON FOR REVISION:

UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 03/26/2020

OFFICE: AJV-A420

NAME: MARLON ROBINSON

*Digitally signed by*

SIGNATURE: **ALLAN WILL**

Nov 27, 2019

DISTRIBUTION:

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: FREZE STATE: CO COUNTRY: US ICAO REGION CODE: K2  
 LATITUDE/LONGITUDE: 385037.88N/1055001.42W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

HOLDING: HOLDING TYPE OF ACTION: CANCEL

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES		TEMPLATES	
PAT	DIR								MIN	MAX	MIN	MAX
1	SW		WP	216.77	036.77	R	10	17000	45000	17	30	

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	265	AAO	383717.69N/1061423.79W	14429	6A

PRECIPITOUS TERRAIN ADDITIONS:		
PAT	SPEED	ADDITION
1	265	357

HOLDING RESTRICTIONS:  
 HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 PAT 1: 10 DME LEG LENGTH PER ATC REQUEST.  
 PAT 1, CTRL OBST: IN SECONDARY; PRIMARY EQUIVALENT ELEV 13499FT MSL.

FIX USE:		FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE	USE TITLE					
STAR	LDORA (RNAV)		1	KDEN	DENVER	CO (US)
STAR	PEEKK (RNAV)		1	KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 09/18/2014

REASON FOR REVISION:  
 UPDATED FIX USE.  
 MODIFIED HOLD PAT1 CTRL OBST FROM: AAO 384305.60N/1054118.10 AT 11854FT MSL (6C); TO AAO (SPOT) 383717.69N/1061423.79W AT 14429FT MSL (IN SECONDARY)(6A).  
 ADDED SECONDARY AREA REMARK FOR PAT1 CTRL OBST PRIMARY EQ AMT.  
 REMOVED REMARK: PAT 1, MIN HOLDING TEMPLATE 15 USED TO ACCOMODATE 10 DME HOLDING LEG LENGTH, 10 DME HOLDING ATC REQUEST.  
 ADDED REMARK: PAT 1: 10 DME LEG LENGTH PER ATC REQUEST.  
 UPDATED PAT 1, MIN TEMPLATE FROM 15 TO 17.  
 UPDATED PRECIPITOUS TERRAIN ADDITON FOR PAT 1, CTRL FROM 317 TO 357.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE:	OFFICE:	NAME:
APPROVED BY:	DATE: 03/26/2020 <i>Digitally signed by</i>	OFFICE: AJV-A420	NAME: MARLON ROBINSON
SIGNATURE: ALLAN WILL			
Nov 27, 2019			

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: KNOSA

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 382956.10N/1061601.64W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

**PATTERNS:**

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SW		WP	216.22	036.22	L	10	19000	45000	18	30

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 ATC REQUEST

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN

**REMARKS:**

PAT 1: 10 DME LEG LENGTH PER ATC REQUEST.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LDORA (RNAV)		1	KDEN	DENVER	CO (US)
STAR	PEEKK (RNAV)		1	KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/18/2014

**REASON FOR REVISION:**

UPDATED FIX USE.

DELETED REMARK: PAT 1, MIN HOLDING TEMPLATE 15 USED TO ACCOMODATE 10 DME HOLDING LEG LENGTH, 10 DME HOLDING ATC REQUEST.

ADDED REMARK: PAT 1: 10 DME LEG LENGTH PER ATC REQUEST.

UPDATED PAT 1, MIN TEMPLATE FROM 15 TO 18.

REMOVED REMARK: PRECIPITOUS TERRAIN EVALUATION COMPLETED, HOLDING IS ABOVE 18000.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 03/26/2020

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Nov 27, 2019

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZDV

ATC FACILITY: DEN

OTHER:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: LARKS

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 391526.63N/1051818.58W

TYPE: INT, 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	MRA	MAA
1	FALCON	FQF	VORTAC	H	220.00	231.00	41.03	41.03	13800	45000
2	BLACK FOREST	BRK	VOR/DME	H	293.08	301.08		36.55	15600	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FQF	VORTAC	R-220	42	13800	18000
BRK	VOR/DME	R-293	37	15600	45000

## FIX RESTRICTIONS:

MRA ALL 15600

## 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	FQF	VORTAC	220.00	040.00	L	1 1/2		15600	24000	17	21

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	391428.60N/1052949.90W	12631	6C

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	265	375

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

## REMARKS:

FALCON (FAC 1) USED TO ESTABLISH FIX COORDINATES  
PRECIPITOUS TERRAIN EVAL COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V160	1, 2				(US)
STAR	LARKS	1, 2	1	KBKF	AURORA	CO (US)
STAR	LARKS	1, 2	1	KAPA	DENVER	CO (US)
STAR	LARKS	1, 2	1	KBJC	DENVER	CO (US)
STAR	LARKS	1, 2	1	KCFO	DENVER	CO (US)
STAR	LARKS	1, 2	1	KDEN	DENVER	CO (US)
STAR	LARKS	1, 2	1	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	LARKS	1, 2	1	KGXY	GREELEY	CO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 03/26/2020

## REASON FOR REVISION:

REMOVED LDORA AND PEEKK STAR'S AT KDEN AIRPORT FROM FIX USE.  
REMOVED WP AS FIX TYPE.  
REMOVED IAP FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TOMMY BYRNS

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: **ALLAN WILL**

Nov 27, 2019

QUALITY  
14  
CHECKED

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MONRK

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 380408.80N/1061619.90W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR  
STAR

USE TITLE  
LDORA (RNAV)  
PEEKK (RNAV)

FAC PAT

AIRPORT IDENT  
KDEN  
KDEN

CITY  
DENVER  
DENVER

STATE  
CO (US)  
CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/18/2014

REASON FOR REVISION:

UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 03/26/2020

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Nov 27, 2019

DISTRIBUTION:

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: OURAY

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 381409.82N/1063535.49W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR  
STAR

USE TITLE  
LDORA (RNAV)  
PEEKK (RNAV)

FAC PAT

AIRPORT IDENT  
KDEN  
KDEN

CITY  
DENVER  
DENVER

STATE  
CO (US)  
CO (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/18/2014

REASON FOR REVISION:

UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 03/26/2020

OFFICE: AJV-A420

NAME: MARLON ROBINSON

*Digitally signed by*

SIGNATURE: **ALLAN WILL**

Nov 27, 2019

DISTRIBUTION:

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

QUALITY  
14  
CHECKED



# RADIO FIX AND HOLDING DATA RECORD

NAME: PEEKK

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 390819.46N/1052726.34W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SW		WP	216.77	036.77	L	10	17000	45000	17	30

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	391428.60N/1052949.90W	12631	6C

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	265	358

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PAT 1: 10 DME LEG LENGTH PER ATC REQUEST.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LDORA (RNAV)		1	KDEN	DENVER	CO (US)
STAR	PEKK (RNAV)		1	KDEN	DENVER	CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/18/2014

## REASON FOR REVISION:

UPDATED FIX USE.  
REMOVED REMARK: PAT 1, MIN HOLDING TEMPLATE 15 USED TO ACCOMODATE 10 DME HOLDING LEG LENGTH, 10 DME HOLDING ATC REQUEST.  
ADDED REMARK: PAT 1: 10 DME LEG LENGTH PER ATC REQUEST.  
UPDATED PAT 1 MIN HOLDING ALT FROM 14400 TO 17000, MEA WAS RAISED TO 17000.  
UPDATED PAT 1 MIN TEMPLATE FROM 15 TO 17.  
UPDATED PAT 1 CTRL OBST PRECIPITOUS TERRAIN ADDITION FROM 357 TO 358.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 03/26/2020

OFFICE: AJV-A420

NAME: MARLON ROBINSON

*Digitally signed by*

SIGNATURE: **ALLAN WILL**

Nov 27, 2019

DISTRIBUTION:

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: RAWAH

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 383815.31N/1060537.05W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR  
STAR

USE TITLE  
LDORA (RNAV)  
PEEKK (RNAV)

FAC

PAT

AIRPORT IDENT  
KDEN  
KDEN

CITY  
DENVER  
DENVER

STATE  
CO (US)  
CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/18/2014

REASON FOR REVISION:

UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 03/26/2020

OFFICE: AJV-A420

NAME: MARLON ROBINSON

*Digitally signed by*

SIGNATURE: **ALLAN WILL**

Nov 27, 2019

DISTRIBUTION:

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SKKII

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 392014.98N/1045241.70W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX USE:  
USE TYPE  
STAR

USE TITLE  
LDORA (RNAV)

FAC

PAT

AIRPORT IDENT  
KDEN

CITY  
DENVER

STATE  
CO (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/15/2012

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 03/26/2020

OFFICE: AJV-A420

NAME: MARLON ROBINSON

*Digitally signed by*

SIGNATURE: **ALLAN WILL**

Nov 27, 2019

DISTRIBUTION:

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

QUALITY  
14  
CHECKED