

# RADIO FIX AND HOLDING DATA RECORD

NAME: BLEDS

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 401830.52N/1020126.92W

TYPE: WP

AIRSPACE DOCKET: 17-AMN-6

FIX TYPE OF ACTION: ESTABLISH

FIX USE:  
USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 17

FAC

PAT

AIRPORT IDENT  
K2V5

CITY  
WRAY

STATE  
CO (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/29/2018

DEVELOPED BY: DATE: 11/01/2017

OFFICE: AJV-5433

NAME: WARDELL HENNING

APPROVED BY: DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: COLOD STATE: CO COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 401829.41N/1021431.22W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: ESTABLISH

## 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	N		WP	351.82	171.82	R	7	6200	8000	9	9

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	402828.00N/1022237.00W	4229	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 35	K2V5	WRAY	CO (US)

## REMARKS:

PRECIPTIOUS TERRAIN EVALUATION COMPLETE.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 17		1	K2V5	WRAY	CO (US)
IAP	RNAV (GPS) RWY 35		1	K2V5	WRAY	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 03/29/2018

## REASON FOR REVISION:

1. UPDATED FIX COORDINATES - FIX MOVED 2.03NM SOUTH.
2. ADDED K2V5 RNAV (GPS) RWY 35 TO FIX USE.
3. REMOVED FACILITY MAKE UP.
4. ADDED HOLDING FOR PROCEDURE USE.
5. FIX NAME RETAINED FOR ATC OPERATIONS ADVANTAGE.

DEVELOPED BY: DATE: 11/01/2017 OFFICE: AJV-5433 NAME: WARDELL HENNING

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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



# RADIO FIX AND HOLDING DATA RECORD

NAME: ETUDE

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 401549.36N/1022407.54W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	AKRON	AKO	VOR/DME	H	066.47	079.47	36.33			6500	17500
2	COLOD					265.11	7.39				17500

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V8					
IAP	WRAY MUNICIPAL - RNAV (GPS) RWY 17			K2V5	WRAY	CO (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/20/2008

## REASON FOR REVISION:

FIX MOVED 3853FT S ONTO V8  
ADDED AKO VOR/DME AS FAC 1  
CHANGED COLOD TO FAC 2 AND UPDATED COURSE/DISTANCE

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 1/4/2008.

ADDED: "DME" TO FIX TYPE.

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 12/19/2017

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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



# RADIO FIX AND HOLDING DATA RECORD

NAME: GUDSE

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 395211.91N/1021424.91W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

## 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	S		WP	171.83	351.83	R	7	6600	8600	9	10

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	394411.00N/1022057.00W	4249	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 17		1	K2V5	WRAY	CO (US)
IAP	RNAV (GPS) RWY 35		1	K2V5	WRAY	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 03/29/2018

## REASON FOR REVISION:

1. UPDATED FIX COORDINATES FIX MOVED 3.69 NM NORTH. FIX NAME RETAINED FOR ATC OPERATIONAL ADVANTAGE.
2. REMOVED OKIED FIX FROM FIX MAKE UP.
3. ADDED K2V5 RNAV (GPS) RWY 17 TO FIX USE.
4. ADDED HOLDING TO FIX.

DEVELOPED BY:

DATE: 11/01/2017

OFFICE: AJV-5433

NAME: WARDELL HENNING

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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



# RADIO FIX AND HOLDING DATA RECORD

NAME: HOLYO

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 403232.25N/1020905.43W

TYPE: WP, 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	FAC FEET	MRA	MAA
1	AKRON	AKO	VOR/DME	H	050.49	063.49	52.56	52.56		6400	17500
2	SIDNEY	SNY	VOR/DME	H	118.00	131.00		50.39		6400	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
AKO	VOR/DME	R-050	53	6400	17500
SNY	VOR/DME	R-118	51	6400	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	402851.00N/1022242.00W	4203	4E

## HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 6500.

## REMARKS:

AKRON (FAC 1) AND SIDNEY (FAC 2) USED TO ESTABLISH FIX COORDINATES  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V80	1, 2				(US)
IAP	RNAV (GPS) RWY 14			KHEQ	HOLYOKE	CO (US)
IAP	RNAV (GPS) RWY 13			KIML	IMPERIAL	NE (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 03/29/2018

## REASON FOR REVISION:

1. UPDATED FIX USE REMOVED K2V5 RNAV (GPS) RWY 17/35.

DEVELOPED BY: DATE: 11/01/2017 OFFICE: AJV-5430 NAME: WARDELL HENNING

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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



# RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 401742.37N/1021006.65W **TYPE:** WP, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** CANCEL

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	AKRON	AKO	VOR/DME	H	066.47	079.47	47.22			6500	17500
2	OKIED					014.81	13.04				17500

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
AKO R-066 @ 48 NM,					6500-17500 ON FILE

**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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	S		WP	186.81	006.81	R		7	6500	10000	9	10

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (08-000703)	400226.00N/1021444.00W	4164	3C

**REMARKS:**

HOLDING LIMITED TO ESTABLISHED PATTERN

PRECIPITOUS TERRAIN EVALUATION COMPLETED FOR HOLDING PATTERN 1.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V8					
IAP	WRAY MUNICIPAL - RNAV (GPS) RWY 35 (PAT 1), RNAV (GPS) RWY 17			K2V5	WRAY	CO (US)

**REQUIRED CHARTING:** IAP, CONTROLLER, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 11/20/2008

**REASON FOR REVISION:**

FIX MOVED 46 FT SW AND PLACED ON V8

LOWERED AIR/GROUND COMM ALT FROM 7000 TO 6500  
 DELETED DEPARTURE AND ADDED ARRIVAL AND ALT CHANGE TO AUTHORIZED USE OF FIX  
 DELETED 265KT HOLDING  
 UPDATED HOLDING PATTERN CONTROLLING OBSTACLE

**DEVELOPED BY:** **DATE:** **OFFICE:** **NAME:**  
**APPROVED BY:** **DATE:** 12/19/2017 **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

**SIGNATURE:**

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



# RADIO FIX AND HOLDING DATA RECORD

NAME: LUCII

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 401826.82N/1022735.50W

TYPE: WP

AIRSPACE DOCKET: 17-AMN-6

FIX TYPE OF ACTION: ESTABLISH

FIX USE:  
USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 17

FAC

PAT

AIRPORT IDENT  
K2V5

CITY  
WRAY

STATE  
CO (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/29/2018

DEVELOPED BY: DATE: 11/01/2017

OFFICE: AJV-5433

NAME: WARDELL HENNING

APPROVED BY: DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** MCJEF **STATE:** NE **COUNTRY:** US **ICAO REGION CODE:** K3

**LATITUDE/LONGITUDE:** 400511.67N/1020020.47W **TYPE:** WP, 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	FAC FEET	MRA	MAA
1	AKRON	AKO	VOR/DME	H	081.00	094.00	54.20	54.20		7000	17500
2	GOODLAND	GLD	VORTAC	H	329.00	341.00		44.33		6500	17500

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
AKO	VOR/DME	R-081	55	7000	17500
GLD	VORTAC	R-329	45	6500	17500

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

**REMARKS:**

AKRON (FAC 1) AND GOODLAND (FAC 2) USED TO ESTABLISH FIX COORDINATES.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V148	1, 2				(US)
EN ROUTE	V220	1, 2				(US)
IAP	RNAV (GPS) RWY 32			KHEQ	HOLYOKE	CO (US)
IAP	RNAV (GPS) RWY 12			KGLD	GOODLAND	KS (US)
IAP	RNAV (GPS) RWY 23			KGLD	GOODLAND	KS (US)
IAP	NDB-A	1, 2		KSYF	ST FRANCIS	KS (US)
IAP	RNAV (GPS) RWY 31			KIML	IMPERIAL	NE (US)

**REQUIRED CHARTING:** IAP, CONTROLLER, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 9 **DATE OF REVISION:** 03/29/2018

**REASON FOR REVISION:**

1. UPDATED FIX USE REMOVED K2V5 RNAV (GPS) RWY 17/35.

**DEVELOPED BY:** **DATE:** 11/01/2017 **OFFICE:** AJV-5433 **NAME:** WARDELL HENNING

**APPROVED BY:** **DATE:** **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

**SIGNATURE:**

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





# RADIO FIX AND HOLDING DATA RECORD

NAME: STARP

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 400828.18N/1021428.81W

TYPE: WP

AIRSPACE DOCKET: 17-AMN-6

FIX TYPE OF ACTION: ESTABLISH

FIX USE:  
USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 17

FAC

PAT

AIRPORT IDENT  
K2V5

CITY  
WRAY

STATE  
CO (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/29/2018

DEVELOPED BY: DATE: 11/01/2017

OFFICE: AJV-5433

NAME: WARDELL HENNING

APPROVED BY: DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: TECOB

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 401029.06N/1021429.29W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 17

FAC

PAT

AIRPORT IDENT  
K2V5

CITY  
WRAY

STATE  
CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

1. UPDATED FIX COORDINATES - FIX MOVE .03 NM SOUTH.
2. REMOVED K2V5 RWY 17 FROM FIX MAKE UP.

DEVELOPED BY:

DATE: 11/01/2017

OFFICE: AJV-5433

NAME: WARDELL HENNING

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 400044.47N/1021426.86W **TYPE:** WP, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** CANCEL

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	THURMAN	TXC	VORTAC	L	054.99	066.99	48.79		7000	17500
2	K2V5 R17					179.81	5.72			17500

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TXC R-055 @ 49NM,					7000-17500 ON FILE

**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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N		WP	351.81	171.81	R		7	7000	14000	9	11

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (08-000769)	400040.00N/1021933.00W	4440	5D
1	310	TOWER (08-000769)	400040.00N/1021933.00W	4440	5D

**REMARKS:**

HOLDING LIMITED TO ESTABLISHED PATTERN

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V148					
IAP	WRAY MUNICIPAL - RNAV (GPS) RWY 17 (PAT 1) (C-I-H)			K2V5	WRAY	CO (US)

**REQUIRED CHARTING:** IAP, CONTROLLER, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 11/20/2008

**REASON FOR REVISION:**

ADDED ARRIVAL AND ALT CHANGE TO AUTHORIZED USE OF FIX  
 CHANGED DME OUTBOUND HOLDING FROM 4 TO 7  
 UPDATED FIX USE  
 UPDATED CHART PUBLICATION  
 ADDED 310KT HOLDING OBSTACLE (C-I-H)  
 CHANGED HOLDING PATTERN INBOUND COURSE TO 171.81  
 FIX MOVED 5373FT S

**DEVELOPED BY:** **DATE:** 01/31/2008 **OFFICE:** AVN-130 **NAME:**  
**APPROVED BY:** **DATE:** 12/19/2017 **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

**SIGNATURE:**

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

