

# RADIO FIX AND HOLDING DATA RECORD

NAME: DRAKE

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 383624.05N/1042451.18W

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	MRA	MAA
1	PUEBLO	PUB	VORTAC	VH	354.19	002.19	18.74	18.74	7600	17500
2	HUGO	HGO	VOR/DME	H	244.50	251.50		39.32	7600	17500
3	BLACK FOREST	BRK	VOR/DME	H	145.00	153.00	22.71	22.71	9000	17500
4	IRONHORSE	IHS	NDB	MH	097.01	105.01		16.51	7000	17500
5	BUTTS	FCS	VOR/DME	T	093.29	105.29	16.71	16.71	7000	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

**PATTERNS:**

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES DME	MIN	MAX	MIN	MAX
1	N	PUB	VORTAC	354.19	174.19	R	1		9000	17500	11	18
2	S		WP	173.19	353.19	R		7	9000	17500	10	17
3	E	IHS	NDB	097.01	277.01	R	1		8800	10000	4	4

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	385121.00N/1043348.00W	6838	4E
2	230	AAO	384154.00N/1041739.00W	6152	4E
3	100	AAO	383957.00N/1041512.00W	6027	2C

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

**REMARKS:**

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

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PIKES	1, 2, 3		KBKF	AURORA	CO (US)
DP	SPRINGS	1, 2, 3		KCOS	COLORADO SPRINGS	CO (US)
DP	PIKES	1, 2, 3		KAPA	DENVER	CO (US)
DP	PIKES	1, 2, 3		KBJC	DENVER	CO (US)
DP	PIKES	1, 2, 3		KCFO	DENVER	CO (US)
DP	PIKES	1, 2, 3		KDEN	DENVER	CO (US)
DP	TAKEOFF MINIMUMS	5		KFCS	FORT CARSON	CO (US)
DP	PIKES	1, 2, 3		KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PIKES	1, 2, 3		KGXY	GREELEY	CO (US)
EN ROUTE	V389	1, 2, 3				(US)
EN ROUTE	V83	1, 2, 3				(US)
IAP	ILS OR LOC RWY 17L	1, 2	1	KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS OR LOC RWY 35L	1, 2, 3	1	KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS OR LOC RWY 35R	1, 2, 3	1	KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS RWY 17L (SA CAT I & II)	1, 2	1	KCOS	COLORADO SPRINGS	CO (US)
IAP	ILS RWY 35L (SA CAT II)	1, 2, 3	1	KCOS	COLORADO SPRINGS	CO (US)
IAP	RNAV (GPS) Y RWY 17L		2	KCOS	COLORADO SPRINGS	CO (US)
IAP	RNAV (GPS) Y RWY 17R		2	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 17L		2	KCOS	COLORADO SPRINGS	CO (US)
IAP	RNAV (RNP) Z RWY 17R		2	KCOS	COLORADO SPRINGS	CO (US)
IAP	RNAV (RNP) Z RWY 35L			KCOS	COLORADO SPRINGS	CO (US)
IAP	RNAV (RNP) Z RWY 35R			KCOS	COLORADO SPRINGS	CO (US)
IAP	COPTER NDB 318	1, 4	3	KFCS	FORT CARSON	CO (US)
IAP	RNAV (GPS) RWY 17			KPUB	PUEBLO	CO (US)
IAP	RNAV (GPS) RWY 26L			KPUB	PUEBLO	CO (US)
STAR	OZZZY(RNAV)			KCOS	COLORADO SPRINGS	CO (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 16

**DATE OF REVISION:** 09/08/2022

**REASON FOR REVISION:**



1. ADDED IHS NDB AND FCS VOR/DME TO FIX MAKE-UP FACILITIES.
2. ADDED PATTERN 3 AND CONTROLLING OBSTACLE OFF OF IHS NDB.
3. ADDED KFCS COPTER NDB 318 TO FIX USE.
4. ADDED KFCS TAKEOFF MINIMUMS TO FIX USE.
5. ADDED CONTROLLER LOW AND MILITARY DP TO REQUIRED CHARTING.
6. COMBINED SA CAT I AND SA CAT II FOR KCOS ILS RWY 17L IN FIX USE.
7. CHANGED PATTERN 1 LEG TIME FROM 1-1 1/2 MINUTES TO 1 MINUTE.

CHANGES TO THIS FORM ARE FROM REVISION 14 WHICH UNINTENTIONALLY NEVER PUBLISHED.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-A450	<b>NAME:</b> JOSHUA LEETE
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-A450	<b>NAME:</b> BEV L BORDY
	<b>SIGNATURE:</b>	<i>Digitally signed by</i> <b>RAKE MCGRAW</b> Jul 14, 2022	



# 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 TIME	LENGTH 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)

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CHECKED

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:**

*Digitally signed by*

**RAKE MCGRAW**

Jul 14, 2022

QUALITY  
42  
CHECKED