

# INFORMATION ONLY

## RADIO FIX AND HOLDING DATA RECORD

NAME: CIGNI

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 645643.99N/1473718.16W

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	FAIRBANKS	I-FAI	LOC/DME		020.08	038.08	11.13	11.11	67520	3400	4900
2	CHENA	CUN	NDB	H	312.36	333.36		7.21		3400	4900

### EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-FAI	LOC/DME	R-020	12	3400	4900

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

### REMARKS:

FAIRBANKS (FAC 1) USED TO ESTABLISH FIX COORDINATES  
PAFA RW20R THRESHOLD DISPLACED 750 FT, LOCATED AT 644935.10N/1475031.82W.  
FIX AT PFAF LOCATION 55437.25FT (9.12 NM) FROM DISPLACED THRESHOLD; DETERMINED USING RNP FORMULA VIA IPDS, IAPA  
CALCULATED POSITON DIFFERS BY 4FT.  
FAI ILS DME ANTENNA COORDINATES:644801.34N/1475328.16W.  
ESV FOR FAI GS AND DME.

### FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI ILS OR LOC/DME RWY 20R	1		PAFA	FAIRBANKS	AK (US)
IAP	ILS OR LOC RWY 20R	1, 2		PAFA	FAIRBANKS	AK (US)
IAP	ILS RWY 20R (SA CAT I & II)	1, 2		PAFA	FAIRBANKS	AK (US)
IAP	RNAV (GPS) Y RWY 20R			PAFA	FAIRBANKS	AK (US)
IAP	RNAV (RNP) Z RWY 20R			PAFA	FAIRBANKS	AK (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 12/10/2015

### REASON FOR REVISION:

FAC 1 MAG BRG FROM 017.08 TO 020.08.  
ADDED MILITARY IAP TO REQ CHARTING.  
MRA FROM 3300 TO 3400.  
ADDED ESV FOR FAI GS.

DEVELOPED BY: DATE: 07/25/2014

OFFICE: AJV-354

NAME: PHILLIP BRANDENBURG

APPROVED BY: DATE: 11/02/2015

OFFICE: AJV-354

NAME: JILL OLSON

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZAN  
ATC FACILITY: FAI ATCT  
OTHER: USAASA

**RADIO FIX AND HOLDING DATA RECORD****NAME:** JUSIV**STATE:** AK**COUNTRY:** US**ICAO REGION CODE:** PA**LATITUDE/LONGITUDE:** 644831.32N/1473032.14W**TYPE:** WP**AIRSPACE DOCKET:****FIX TYPE OF ACTION:** ESTABLISH**FIX USE:**  
**USE TYPE**  
IAP**USE TITLE**  
RNAV (RNP) Z RWY 20R**FAC****PAT****AIRPORT IDENT**  
PAFA**CITY**  
FAIRBANKS**STATE**  
AK (US)**REQUIRED CHARTING:** IAP, CONTROLLER**COMPULSORY REPORTING POINT:** NO**RECORD REVISION NUMBER:** ORIG**DATE OF REVISION:** 09/20/2012**DEVELOPED BY:****DATE:** 04/11/2012**OFFICE:** AJV-354**NAME:** ANDREW FIELDS**APPROVED BY:****DATE:** 09/10/2012**OFFICE:** AJV-354**NAME:** DEZ SILAGYI**SIGNATURE:****DISTRIBUTION:****NFDC**  
**FPO:** WST  
**ARTCC:** ZAN  
**ATC FACILITY:** FAI APP CON  
**OTHER:**

# INFORMATION ONLY

## RADIO FIX AND HOLDING DATA RECORD

**NAME:** KRNKL

**STATE:** AK

**COUNTRY:** US

**ICAO REGION CODE:** PA

**LATITUDE/LONGITUDE:** 644003.22N/1473646.66W

**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 NM	FAC FEET	MRA	MAA
1	FAIRBANKS	FAI	VORTAC	H	106.67	127.67	13.00	13.00		3000	17500

**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	FAI	VORTAC	106.67	286.67	R	1		3000	14000	6	10
2	E		WP	109.67	289.67	R		4	4000	14000	5	11

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	643303.00N/1471854.00W	784	4E
1	310	AAO	643418.00N/1465748.00W	1309	4E
2	200	AAO	643303.00N/1471854.00W	784	3E

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 02L	PAFA	FAIRBANKS	AK (US)
1	ILS RWY 02L (SA CAT I)	PAFA	FAIRBANKS	AK (US)
1	ILS RWY 02L (CAT II - III)	PAFA	FAIRBANKS	AK (US)
1	VOR/DME OR TACAN RWY 20R	PAFA	FAIRBANKS	AK (US)

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
230 KT HOLDING EVALUATED FOR MILITARY AIRCRAFT.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T232					(US)
EN ROUTE	V444	1				(US)
IAP	ILS OR LOC RWY 02L	1	1	PAFA	FAIRBANKS	AK (US)
IAP	ILS OR LOC RWY 20R	1	1	PAFA	FAIRBANKS	AK (US)
IAP	ILS RWY 02L (CAT II - III)	1	1	PAFA	FAIRBANKS	AK (US)
IAP	ILS RWY 02L (SA CAT I)	1	1	PAFA	FAIRBANKS	AK (US)
IAP	ILS RWY 20R (SA CAT I-II)	1	1	PAFA	FAIRBANKS	AK (US)
IAP	RNAV (RNP) Z RWY 02L		2	PAFA	FAIRBANKS	AK (US)
IAP	RNAV (RNP) Z RWY 20R		2	PAFA	FAIRBANKS	AK (US)
IAP	VOR/DME OR TACAN RWY 20R	1	1	PAFA	FAIRBANKS	AK (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 4

**DATE OF REVISION:** 06/22/2017

**REASON FOR REVISION:**

UPDATED CONTROLLING OBS, PAT 2, AAO COORDS FROM 643512.00N/1471806.00W TO 6433.03.00N/1471854.00W, ELEV FROM 778 TO 784, AC FROM 4E TO 3E.

**DEVELOPED BY:**

**DATE:** 03/06/2017

**OFFICE:** AJV-5422

**NAME:** JULIE MORGAN (LUCAS MCCLOUD)

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-5420

**NAME:** JULIE MORGAN

**SIGNATURE:**

**DISTRIBUTION:**

NFDC  
FPO: WST  
ARTCC: ZAN  
ATC FACILITY: FAI APP CON, FAI ATCT  
OTHER:

# INFORMATION ONLY

## RADIO FIX AND HOLDING DATA RECORD

**NAME:** MINRR

**STATE:** AK

**COUNTRY:** US

**ICAO REGION CODE:** PA

**LATITUDE/LONGITUDE:** 644636.97N/1473954.99W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** NO CHANGE

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

**USE TYPE**  
IAP  
STAR

**USE TITLE**  
RNAV (RNP) Z RWY 20R  
LIBER (RNAV)

**FAC PAT**

**AIRPORT IDENT**  
PAFA  
PAFA

**CITY**  
FAIRBANKS  
FAIRBANKS

**STATE**  
AK (US)  
AK (US)

**REQUIRED CHARTING:** STAR, IAP, CONTROLLER

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1

**DATE OF REVISION:** 12/10/2015

**REASON FOR REVISION:**

REMOVED LIBER STAR (PAEI) FROM FIX USE.

**DEVELOPED BY:**

**DATE:** 05/06/2015

**OFFICE:** AJV-354

**NAME:** DAVID DOWLING

**APPROVED BY:**

**DATE:** 10/09/2015

**OFFICE:** AJV-354

**NAME:** JILL OLSON

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO:** WST  
**ARTCC:** ZAN  
**ATC FACILITY:** FAIRBANKS APPROACH CONTROL  
**OTHER:**

# INFORMATION ONLY

## RADIO FIX AND HOLDING DATA RECORD

**NAME:** MUSHR

**STATE:** AK

**COUNTRY:** US

**ICAO REGION CODE:** PA

**LATITUDE/LONGITUDE:** 650929.14N/1473239.12W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** NO CHANGE

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

**USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

IAP  
IAP  
IAP  
IAP

ILS OR LOC RWY 20R  
ILS RWY 20R (SA CAT I)  
ILS RWY 20R (SA CAT II)  
RNAV (RNP) Z RWY 20R

PAFA  
PAFA  
PAFA  
PAFA

FAIRBANKS  
FAIRBANKS  
FAIRBANKS  
FAIRBANKS

AK (US)  
AK (US)  
AK (US)  
AK (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1

**DATE OF REVISION:** 12/10/2015

**REASON FOR REVISION:**

REMOVED STAR CHARTING.  
REMOVED OOILL STAR FROM FIX USE.

**DEVELOPED BY:**

**DATE:** 04/22/2015

**OFFICE:** AJV-354

**NAME:** DAVID DOWLING

**APPROVED BY:**

**DATE:** 10/09/2015

**OFFICE:** AJV-354

**NAME:** JILL OLSON

**SIGNATURE:**

**DISTRIBUTION:**

NFDC  
FPO: WST  
ARTCC: ZAN  
ATC FACILITY: FAI APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

<b>NAME:</b> ROAAD		<b>STATE:</b> AK	<b>COUNTRY:</b> US	<b>ICAO REGION CODE:</b> PA
<b>LATITUDE/LONGITUDE:</b> 644440.06N/1472935.23W		<b>TYPE:</b> WP		
<b>AIRSPACE DOCKET:</b>		<b>FIX TYPE OF ACTION:</b> ESTABLISH		
<b>FIX USE:</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>
<b>USE TYPE</b>				<b>CITY</b>
IAP	RNAV (RNP) Z RWY 20R			FAIRBANKS
STAR	HRDNG (RNAV)			FAIRBANKS
				<b>STATE</b>
				AK (US)
				AK (US)

**REQUIRED CHARTING:** STAR, IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG      **DATE OF REVISION:** 09/20/2012

<b>DEVELOPED BY:</b>	<b>DATE:</b> 02/15/2012	<b>OFFICE:</b> AJV-354	<b>NAME:</b> CATHERINE CHILDRESS
<b>APPROVED BY:</b>	<b>DATE:</b> 07/26/2012	<b>OFFICE:</b> AJV-354	<b>NAME:</b> DEZ SILAGYI

**SIGNATURE:**

**DISTRIBUTION:**    **NFDC**  
**FPO:** WST  
**ARTCC:** ZAN  
**ATC FACILITY:** FAI APP CON  
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** TRPLN

**STATE:** AK

**COUNTRY:** US

**ICAO REGION CODE:** PA

**LATITUDE/LONGITUDE:** 650501.32N/1473120.12W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** NO CHANGE

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

**USE TYPE**  
IAP

**USE TITLE**  
RNAV (RNP) Z RWY 20R

**FAC**

**PAT**

**AIRPORT IDENT**  
PAFA

**CITY**  
FAIRBANKS

**STATE**  
AK (US)

**REQUIRED CHARTING:** IAP, CONTROLLER

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1

**DATE OF REVISION:** 12/10/2015

**REASON FOR REVISION:**

REMOVED STAR CHARTING.

REMOVED OOILL STAR FROM FIX USE.

**DEVELOPED BY:**

**DATE:** 04/22/2015

**OFFICE:** AJV-354

**NAME:** DAVID DOWLING

**APPROVED BY:**

**DATE:** 10/09/2015

**OFFICE:** AJV-354

**NAME:** JILL OLSON

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**

**FPO:** WST

**ARTCC:** ZAN

**ATC FACILITY:** FAI APPROACH CONTROL

**OTHER:**

## RADIO FIX AND HOLDING DATA RECORD

**NAME:** WUNDU

**STATE:** AK

**COUNTRY:** US

**ICAO REGION CODE:** PA

**LATITUDE/LONGITUDE:** 645353.12N/1474235.47W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** ESTABLISH

**FIX USE:**  
**USE TYPE**  
IAP

**USE TITLE**  
RNAV (RNP) Z RWY 20R

**FAC**

**PAT**

**AIRPORT IDENT**  
PAFA

**CITY**  
FAIRBANKS

**STATE**  
AK (US)

**REQUIRED CHARTING:** IAP, CONTROLLER

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG

**DATE OF REVISION:** 09/20/2012

**DEVELOPED BY:** **DATE:** 03/03/2012

**OFFICE:** AJV-354

**NAME:** ANDREW FIELDS

**APPROVED BY:** **DATE:** 09/10/2012

**OFFICE:** AJV-354

**NAME:** DEZ SILAGYI

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO:** WST  
**ARTCC:** ZAN  
**ATC FACILITY:** FAI APP CON  
**OTHER:**



## RADIO FIX AND HOLDING DATA RECORD

**NAME:** YIPUT

**STATE:** AK

**COUNTRY:** US

**ICAO REGION CODE:** PA

**LATITUDE/LONGITUDE:** 644755.43N/1473702.15W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** ESTABLISH

**FIX USE:**  
**USE TYPE**  
IAP

**USE TITLE**  
RNAV (RNP) RWY 20R

**FAC PAT**

**AIRPORT IDENT CITY**  
PAFA FAIRBANKS

**STATE**  
AK (US)

**REQUIRED CHARTING:** IAP, CONTROLLER

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG

**DATE OF REVISION:** 09/20/2012

**DEVELOPED BY:** **DATE:** 03/03/2012

**OFFICE:** AJV-354

**NAME:** ANDREW FIELDS

**APPROVED BY:** **DATE:** 09/10/2012

**OFFICE:** AJV-354

**NAME:** DEZ SILAGYI

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO:** WST  
**ARTCC:** ZAN  
**ATC FACILITY:** FAI APP CON  
**OTHER:**