

RADIO FIX AND HOLDING DATA RECORD

NAME: CAWIN **STATE:** AK **COUNTRY:** US **ICAO REGION CODE:** PA
LATITUDE/LONGITUDE: 631651.22N/1485917.56W **TYPE:** WP, DME
AIRSPACE DOCKET: 13-AAL-7 **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	175.17	196.17	95.00	95.00		10000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FAI	VORTAC	R-175	95	10000	16000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J115	1				(US)
EN ROUTE	Q41					(US)
EN ROUTE	Q43					(US)
EN ROUTE	T227					(US)
EN ROUTE	V438	1				(US)
IAP	RNAV (GPS)-A			PAHV	HEALY	AK (US)
STAR	LIBER (RNAV)			PAFA	FAIRBANKS	AK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 04/27/2017

REASON FOR REVISION:

ADD PAHV TO FIX USE.
 ADD IAP TO REQUIRED CHARTING.
 UPDATE FIX USE, REMOVED FAC1 FROM Q43 AND T227.
 ADDED AIRSPACE DOCKET NUMBER FOR PAHV SIAP.

DEVELOPED BY: **DATE:** 05/16/2016 **OFFICE:** AJV-5433 **NAME:** HERMAN ROGERS

APPROVED BY: **DATE:** 11/23/2016 **OFFICE:** AJV-5430 **NAME:** LONNIE EVERHART

SIGNATURE:

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

INFORMATION ONLY

QUALITY
 17
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CILAX

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 643612.98N/1481451.67W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	FAIRBANKS	I-CNA	LOC/DME		200.05	218.05	17.28	17.31		2600	4900

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-CNA DME COORDINATES: 644950.74N/1475015.02W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 2L	1		PAFA	FAIRBANKS	AK (US)
IAP	ILS RWY 2L (CAT II)	1		PAFA	FAIRBANKS	AK (US)
IAP	ILS RWY 2L (CAT III)	1		PAFA	FAIRBANKS	AK (US)
IAP	ILS RWY 2L (SA CAT I)	1		PAFA	FAIRBANKS	AK (US)
STAR	LIBER (RNAV)			PAFA	FAIRBANKS	AK (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

INFORMATION ONLY

RECORD REVISION NUMBER: 3

DATE OF REVISION: 12/10/2015

REASON FOR REVISION:

CHANGED FAC 1 MAG BRG FROM 197.05 TO 200.05 DUE TO CNA MAG VAR CHANGE FROM 21E/2010 TO 18E/2020. (FAC 1 MAGVAR 18E DERIVED FROM DEC 2016 EPOCH YEAR CAT II/III ILS TABLE.)
REMOVED LIBER STAR (PAEI) FROM FIX USE.

DEVELOPED BY:

DATE: 04/27/2015

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:

QUALITY
17
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FAIRBANKS VORTAC STATE: AK COUNTRY: US ICAO REGION CODE: PA
 LATITUDE/LONGITUDE: 644800.25N/1480043.11W TYPE:

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	FAIRBANKS	FAI	VORTAC	H						45000

FIX RESTRICTIONS:

MCA V445 4000 WESTBOUND
 MCA V488-531 47000 WESTBOUND
 MCA T234 4300 WESTBOUND
 MCA T231 4300 WESTBOUND
 MCA T225-229 4700 WESTBOUND

INFORMATION ONLY

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	S	FAI	VORTAC	168.00	348.00	R	1-1 1/2	5000 45000	13 30
2	W	WP	WP	270.00	090.00	R	9	5000 45000	14 31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	310	AAO	645236.00N/1480400.00W	2649	5E
2	310	AAO	645709.00N/1482123.00W	3130	5A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS	PAFB	FAIRBANKS/FT WAINWRIGHT	AK (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 310 KT PATTERN EVALUATED FOR MILITARY AIRCRAFT.
 PAT 2 LOST COMM HOLDING ON HRDNG AND LIBER STARS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DELTA			PAEI	FAIRBANKS	AK (US)
DP	HAWGG			PAEI	FAIRBANKS	AK (US)
DP	GALENA			PAFA	FAIRBANKS	AK (US)
DP	MCKINLEY			PAFA	FAIRBANKS	AK (US)
DP	TAKEOFF MINIMUMS		1	PAFB	FAIRBANKS/FT WAINWRIGHT	AK (US)
EN ROUTE	J115, J120, J122, J125, J155, J160, J502, J515					(US)
EN ROUTE	Q43, Q61					(US)
EN ROUTE	T222, T225, T227, T229, T231, T232, T234, T273, T282					(US)
EN ROUTE	V301, V302, V438, V444, V445, V447, V480, V488, V531					(US)
IAP	HI-ILS OR LOC/DME RWY 20R			PAFA	FAIRBANKS	AK (US)
IAP	ILS OR LOC RWY 20R			PAFA	FAIRBANKS	AK (US)
IAP	ILS OR LOC RWY 2L			PAFA	FAIRBANKS	AK (US)
IAP	ILS RWY 20R (SA CAT I & II)			PAFA	FAIRBANKS	AK (US)
IAP	ILS RWY 2L (CAT II & III)			PAFA	FAIRBANKS	AK (US)
IAP	ILS RWY 2L (SA CAT I)			PAFA	FAIRBANKS	AK (US)
IAP	VOR/DME OR TACAN RWY 20R			PAFA	FAIRBANKS	AK (US)
IAP	HI-VOR/DME OR TACAN RWY 25			PAFB	FAIRBANKS/FT WAINWRIGHT	AK (US)
STAR	FALCO			PAEI	FAIRBANKS	AK (US)
STAR	LIBER (RNAV)		2	PAEI	FAIRBANKS	AK (US)
STAR	HRDNG (RNAV)		2	PAFA	FAIRBANKS	AK (US)
STAR	LIBER (RNAV)		2	PAFA	FAIRBANKS	AK (US)

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

COMPULSORY REPORTING POINT: BOTH

RECORD REVISION NUMBER: 15

DATE OF REVISION: 12/10/2015

REASON FOR REVISION:

QUALITY
17
CHECKED

CHANGED V488-531 MCA FROM 4000 TO 4700.
ADDED PAT 2 LOST COMM REMARK.
ADDED LIBER STAR (PAFA) TO FIX USE.
REMOVED OOILL STAR FROM FIX USE.

DEVELOPED BY: **DATE:** 04/23/2015 **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 FAI ATCT
 OTHER:

INFORMATION ONLY

QUALITY
17
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GLOWS

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 642615.88N/1481517.88W

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 FAC NM	FAC FEET	MRA	MAA
1	FAIRBANKS	FAI	VORTAC	H	175.17	196.17	22.70	22.70		3400	17500
2	NENANA	ENN	VORTAC	H	092.00	113.00	23.11	23.11		3400	17500

FIX RESTRICTIONS:

MCA T227 4800 SOUTHBOUND
MCA V438 4800 SOUTHBOUND

INFORMATION ONLY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FAIRBANKS (FAC 1) AND NENANA (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T227					(US)
EN ROUTE	V438	1, 2				AK (US)
IAP	ILS OR LOC RWY 2L	1, 2	PAFA		FAIRBANKS	AK (US)
IAP	ILS RWY 2L (CAT II)	1, 2	PAFA		FAIRBANKS	AK (US)
IAP	ILS RWY 2L (CAT III)	1, 2	PAFA		FAIRBANKS	AK (US)
IAP	ILS RWY 2L (SA CAT I)	1, 2	PAFA		FAIRBANKS	AK (US)
STAR	LIBER (RNAV)		PAFA		FAIRBANKS	AK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

REMOVED RNAV (RNP) Z RWY 20R AT PAFA FROM FIX USE.

DEVELOPED BY:

DATE: 02/03/2017

OFFICE: AJV-5423

NAME: DANIEL OLSON (HEIDI SNIDER)

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
17
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HISKA

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 645026.55N/1473313.83W

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	057.03	078.03	12.00	12.00		1140	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-VOR/DME OR TACAN RWY 25R	1		PAFB	FAIRBANKS/FT WAINWRIGHT	AK (US)
STAR	HRDNG (RNAV)			PAFA	FAIRBANKS	AK (US)
STAR	LIBER (RNAV)			PAFA	FAIRBANKS	AK (US)

REQUIRED CHARTING: STAR, MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/10/2015

REASON FOR REVISION:

CHANGED RWY DESIGNATION FOR PAFB HI-VOR/DME OR TACAN RWY 251 TO RWY 25R.
REMOVED LIBER STAR (PAEI) FROM FIX USE.

DEVELOPED BY: DATE: 04/24/2015

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: USAASA

INFORMATION ONLY

QUALITY
17
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LIBER

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 640257.64N/1483029.65W

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 FAC NM	FAC FEET	MRA	MAA
1	FAIRBANKS	FAI	VORTAC	H	175.17	196.17	47.00	47.00		7500	17500
2	NENANA	ENN	VORTAC	H	134.37	155.37		35.73		7500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FAI	VORTAC	R-175	47	7500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FAIRBANKS (FAC 1) AND NENANA (FAC 2) USED TO ESTABLISH FIX COORDINATES
ZAN COORDINATION FIX.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T227					(US)
EN ROUTE	V438					(US)
STAR	LIBER (RNAV)			PAFA	FAIRBANKS	AK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

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: FAI APP CON
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: URSAA

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 643313.29N/1481459.51W

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 2L
LIBER (RNAV)

FAC PAT

AIRPORT IDENT
PAFA
PAFA

CITY
FAIRBANKS
FAIRBANKS

STATE
AK (US)
AK (US)

REQUIRED CHARTING: STAR, IAP

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: FAI APP CON
OTHER:

INFORMATION ONLY