

RADIO FIX AND HOLDING DATA RECORD

NAME: DWARF

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 552258.87N/1321440.23W

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 FAC NM	FAC FEET	MRA	MAA
1	ANNETTE ISLAND	ANN	VOR/DME	H	289.55	310.55	30.00	30.00		6000	17500

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	W	ANN	VOR/DME	290.00	110.00	R	1-1 1/2	5000 17500	7 18
2	W	ANN	VOR/DME	290.00	110.00	L	1-1 1/2	5000 17500	7 18
3	E	ANN	VOR/DME	290.00	290.00	R	1-1 1/2	5000 17500	7 18
4	E	ANN	VOR/DME	290.00	290.00	L	1-1 1/2	5000 17500	7 18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	551948.00N/1322518.00W	3081	4E
2	200	AAO	553232.90N/1322133.00W	3046	4E
3	200	AAO	551940.40N/1321627.50W	2758	4E
4	200	AAO	551940.40N/1321627.50W	2758	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	209
2	200	209
3	200	108
4	200	108

REASON FOR NONSTANDARD HOLDING:

PAT 4 ATC REQUEST
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

FIX ESTABLISHED AT THE REQUEST OF ATC.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V311	1				(US)
EN ROUTE	V318	1				(US)
IAP	RNAV (GPS) RWY 11			PAKT	KETCHIKAN	AK (US)
IAP	RNAV (GPS)-B			PAKT	KETCHIKAN	AK (US)
SPECIAL DP	CAALM (RNAV)			PAKW	KLAWOCK	AK (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, SPECIAL DP, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. ADDED SPECIAL DP TO REQUIRED CHARTING.
2. ADDED SPECIAL DP CAALM (RNAV) TO FIX USE.
3. REMOVED T269 FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: AUSTIN GOTCHER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN

JOHN BORDY
Mar 31, 2021

QUALITY
5
CHECKED

ATC FACILITY:
OTHER: KTN FSS



RADIO FIX AND HOLDING DATA RECORD

NAME: ERANE

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 553350.20N/1323734.42W

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 FAC NM	FAC FEET	MRA	MAA
1	LEVEL ISLAND	LVD	VOR/DME	H	144.00	164.00	56.47	56.47		6000	17500
2	ANNETTE ISLAND	ANN	VOR/DME	H	289.55	310.55	46.98	46.98		6000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LVD	VOR/DME	R-136	57	6000	17500
ANN	VOR/DME	R-290	47	6000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V311					(US)
EN ROUTE	V318					(US)
SPECIAL DP	CAALM (RNAV)			PAKW	KLAWOCK	AK (US)

REQUIRED CHARTING: EN ROUTE LOW, SPECIAL DP, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. ADDED SPECIAL DP TO REQUIRED CHARTING.
2. ADDED SPECIAL DP CAALM (RNAV) TO FIX USE.
3. ADDED WP TO TYPE.
4. ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: AUSTIN GOTCHER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

JOHN BORDY

DISTRIBUTION:

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

Mar 31, 2021



RADIO FIX AND HOLDING DATA RECORD

NAME: HIPSA STATE: AK COUNTRY: US ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 552230.01N/1332202.29W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:												
PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX	
1	S		WP	198.89	018.89	R	5	4900	6000	6	6	

CONTROLLING OBSTRUCTIONS:					
PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	552531.63N/1331643.38W	2499	4D
1	310	AAO	552531.63N/1331643.38W	2499	4D

PRECIPITOUS TERRAIN ADDITIONS:		
PAT	SPEED	ADDITION
1	200	160
1	310	130

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:				
PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) Z RWY 2	PAKW	KLAWOCK	AK (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:						
USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 20		1	PAKW	KLAWOCK	AK (US)
SPECIAL IAP	RNAV (GPS) M RWY 02		1	PAKW	KLAWOCK	AK (US)
SPECIAL IAP	RNAV (GPS) M RWY 20		1	PAKW	KLAWOCK	AK (US)
SPECIAL IAP	RNAV (GPS) Z RWY 2		1	PAKW	KLAWOCK	AK (US)

REQUIRED CHARTING: IAP, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 06/17/2021

REASON FOR REVISION:
1. ADDED RNAV (GPS) M RWY 02 AT PAKW TO FIX USE.
2. ADDED RNAV (GPS) M RWY 20 AT PAKW TO FIX USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A422	NAME: AUSTIN GOTCHER
APPROVED BY:	DATE:	OFFICE: AJV-A420	NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

DISTRIBUTION:	NFDC	JOHN BORDY
	FPO: WST	
	ARTCC: ZAN	Mar 31, 2021
	ATC FACILITY:	
	OTHER: KTN FSS	

QUALITY
5
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JIPEG

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 551224.00N/1313924.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

RESTRICTED - FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS.

FIX USE:

USE TYPE

SPECIAL DP
SPECIAL IAP
SPECIAL IAP

USE TITLE

COBSU (RNAV)
RNAV (GPS) M RWY 02
RNAV (GPS) M RWY 20

FAC

PAT

AIRPORT IDENT

PAKT
PAKW
PAKW

CITY

KETCHIKAN
KLAWOCK
KLAWOCK

STATE

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

REQUIRED CHARTING: SPECIAL IAP, SPECIAL DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. ADDED RNAV (GPS) M RWY 02 AT PAKW TO FIX USE.
2. ADDED RNAV (GPS) M RWY 20 AT PAKW TO FIX USE.
3. UPDATED FIX USE - USE TYPE AND USE TITLE FOR THE COBSU RNAV SPECIAL DP.
4. REMOVED FAC 1 ODEYO FROM FIX MAKE-UP FACILITIES.
5. ADDED SPECIAL IAP AND SPECIAL DP TO REQUIRED CHARTING.
6. CHANGED FPO FROM ANC TO WST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: AUSTIN GOTCHER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

JOHN BORDY

Mar 31, 2021

DISTRIBUTION:

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

QUALITY
5
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NESYI

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 553939.37N/1332050.01W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

DP

TURTY (RNAV)

PAKW

KLAWOCK

AK (US)

SPECIAL IAP

RNAV (GPS) M RWY 02

PAKW

KLAWOCK

AK (US)

REQUIRED CHARTING: DP, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. ADDED RNAV (GPS) M RWY 02 AT PAKW TO FIX USE.
2. ADDED SPECIAL IAP TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: AUSTIN GOTCHER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

JOHN BORDY

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZAN

ATC FACILITY:

OTHER: KTN FSS

Mar 31, 2021

QUALITY
5
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OWXUY STATE: AK COUNTRY: US ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 553623.64N/1333206.24W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

FIX RESTRICTIONS:
FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS.

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES		TEMPLATES	
PAT	DIR								MIN	MAX	MIN	MAX
1	W		WP	268.43	088.43	R		4	4000	6000	5	6
2	E		WP	098.70	278.70	R		5	4000	6000	4	6

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	200	AAO	553151.90N/1333916.10W	2800	6A
1	230	AAO	553151.90N/1333916.10W	2800	6A
2	175	AAO	554303.00N/1333342.00W	2582	4E
2	200	AAO	554310.00N/1333405.80W	3000	6A

HOLDING RESTRICTIONS:
PAT 2 CHART 175K ICON
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:				
PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) - A	PAKW	KLAWOCK	AK (US)
2	OWXUY (RNAV)	PAKW	KLAWOCK	AK (US)

REMARKS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 5000 MSL.

CLIMB IN HOLD EVALUATED (230K) PAT 1.
CLIMB IN HOLD EVALUATED (200K) PAT 2.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PATTERN 2 175K CONTROLLING OBS LOCATED 1.96 NM INTO SECONDARY AREA.
PATTERN 2 200K CONTROLLING OBS LOCATED 1.44 NM INTO SECONDARY AREA.

FIX USE:		USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE							
EN ROUTE		NON-PART 95 RNAV ROUTE					AK (US)
SPECIAL DP		OWXUY (RNAV)		2	PAKW	KLAWOCK	AK (US)
SPECIAL IAP		RNAV (GPS) - A		1	PAKW	KLAWOCK	AK (US)
SPECIAL IAP		RNAV (GPS) M RWY 02			PAKW	KLAWOCK	AK (US)

REQUIRED CHARTING: SPECIAL IAP, SPECIAL DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 06/17/2021

REASON FOR REVISION:
ADDED RNAV (GPS) M RWY 02 AT PAKW TO FIX USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A422	NAME: AUSTIN GOTCHER
APPROVED BY:	DATE:	OFFICE: AJV-A420	NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by

DISTRIBUTION: NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER: KTN FSS

JOHN BORDY
Mar 31, 2021

QUALITY
5
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TECLY

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 560845.00N/1325530.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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	E		WP	107.94	287.94	R	4	4500 10000	5 7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	200' AAO	560729.35N/1324117.33W	2315	4D
1	230	200' AAO	560822.05N/1323729.92W	3088	4D

REMARKS:

RESTRICTED - FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS
HOLDING LIMITED TO ESTABLISHED PATTERNS

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	CAPSTONE NON-PART 95		1			AK (US)
SPECIAL IAP	RNAV (GPS) M RWY 20			PAKW	KLAWOCK	AK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. ADDED RNAV (GPS) M RWY 20 AT PAKW TO FIX USE.
2. ADDED SPECIAL IAP, ENROUTE LOW, AND CONTROLLER LOW TO REQUIRED CHARTING.
3. REMOVED "BLOCK 7: ENROUTE 1700 ROC APPLIED TO HOLDING OBSTACLE, PER 8260.3B PARA 1731B" AND "BLOCK 4C: HOLDING PATTERN 2, PORTION ESTABLISHED OUTSIDE CONTROLLED AIRSPACE, ALLOWED BY 8260.19C PARA 402 (C)" FROM REMARKS.
4. CHANGED FPO FROM ANC TO WST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: AUSTIN GOTCHER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

JOHN BORDY

DISTRIBUTION:

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

Mar 31, 2021

QUALITY
5
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WIGUL

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 552910.00N/1320200.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX RESTRICTIONS:

SPECIAL RNAV (GPS) -C, PAKT, KETCHIKAN, AK

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	RNAV (GPS) -C			PAKT	KETCHIKAN	AK (US)
SPECIAL IAP	RNAV (GPS) M RWY 02			PAKW	KLAWOCK	AK (US)
SPECIAL IAP	RNAV (GPS) M RWY 20			PAKW	KLAWOCK	AK (US)

REQUIRED CHARTING: SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/17/2021

REASON FOR REVISION:

1. ADDED RNAV (GPS) M RWY 02 AT PAKW TO FIX USE.
2. ADDED RNAV (GPS) M RWY 20 AT PAKW TO FIX USE.
3. UPDATED FIX USE TYPE FROM IAP TO SPECIAL IAP ON THE RNAV (GPS)-C AT PAKT.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: AUSTIN GOTCHER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

JOHN BORDY

Mar 31, 2021

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER: KTN FSS

QUALITY
5
CHECKED