

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** HOODS **STATE:** AK **COUNTRY:** US **ICAO REGION CODE:** PA  
**LATITUDE/LONGITUDE:** 574434.56N/1344053.66W **TYPE:** WP, DME  
**AIRSPACE DOCKET:** 20-AAL-0015 **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	SISTERS ISLAND	SSR	VORTAC	H	124.54	144.54	32.00	32.00	7000	45000

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

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J502	1				(US)
EN ROUTE	Q902					(US)
EN ROUTE	V317	1				(US)
IAP	RNAV (GPS) RWY 11			PAFE	KAKE	AK (US)
SPECIAL IAP	RNAV (GPS) RWY 24			PAOH	HOONAH	AK (US)

**REQUIRED CHARTING:** IAP, AREA, EN ROUTE LOW, EN ROUTE HIGH, SPECIAL IAP, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 7 **DATE OF REVISION:** 03/24/2022

**REASON FOR REVISION:**

ADDED SPECIAL IAP RNAV (GPS) RWY 24 AT PAOH TO FIX USE.  
 ADDED SPECIAL IAP TO REQUIRED CHARTING.  
 ADDED WP TO FIX TYPE.  
 ADDED 20-AAL-0015 TO AIRSPACE DOCKET.  
 REMOVED FIX COORDINATES REMARK.  
 ADDED Q902 TO FIX USE.  
 REMOVED AK STATE FROM J502 AND V317 IN FIX USE.  
 CHANGED CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH IN REQUIRED CHARTING.

**INITIATED BY:** **DATE:** **ORGANIZATION:** **NAME:**  
**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A422 **NAME:** STEVEN WINNER  
**APPROVED BY:** **DATE:** 05/13/2021 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON  
**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: LEVEL ISLAND VOR/DME STATE: AK COUNTRY: US ICAO REGION CODE: PA  
 LATITUDE/LONGITUDE: 562803.75N/1330459.21W TYPE:

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	LEVEL ISLAND	LVD	VOR/DME	H						45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

## 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	SE	LVD	VOR/DME	128.29	308.29	R	1		6000	17500	7	16
2	SE		WP	120.29	300.29	R		6	6000	17500	8	17

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	562041.30N/1325144.30W	2644	6A
1	310	AAO	561527.60N/1323334.70W	4120	6A
2	230	AAO	562041.30N/1325144.30W	2644	6A
2	310	AAO	561527.60N/1323334.70W	4120	6A

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	190
1	230	149
2	230	149
2	310	207

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LDA/DME-D	PAPG	PETERSBURG	AK (US)
1	LEVEL ISLAND (OBSTACLE)	PAWG	WRANGELL	AK (US)
2	RNAV (GPS)-B	PAPG	PETERSBURG	AK (US)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAG VAR 2015/E20.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JUNEAU (OBSTACLE)			PAJN	JUNEAU	AK (US)
DP	KAKE (OBSTACLE)			PAFE	KAKE	AK (US)
DP	PETERSBURG (OBSTACLE)			PAPG	PETERSBURG	AK (US)
DP	LEVEL ISLAND (OBSTACLE)		1	PAWG	WRANGELL	AK (US)
EN ROUTE	J502					(US)
EN ROUTE	Q902					(US)
EN ROUTE	T241					(US)
EN ROUTE	T280					(US)
EN ROUTE	V317		1			(US)
EN ROUTE	V318					(US)
EN ROUTE	V473					(US)
IAP	LDA/DME-D		1	PAPG	PETERSBURG	AK (US)
IAP	RNAV (GPS)-B		2	PAPG	PETERSBURG	AK (US)
IAP	LDA-C		1	PAWG	WRANGELL	AK (US)
IAP	LDA-D		1	PAWG	WRANGELL	AK (US)
IAP	RNAV (GPS) RWY 10			PAWG	WRANGELL	AK (US)
SPECIAL DP	DOOZI RNAV (RNP)			PAKT	KETCHIKAN	AK (US)
SPECIAL DP	HURAS RNAV (RNP)			PAPG	PETERSBURG	AK (US)
SPECIAL IAP	RNAV (GPS) P RWY 23			PAPG	PETERSBURG	AK (US)
SPECIAL IAP	RNAV (RNP) M RWY 23		2	PAPG	PETERSBURG	AK (US)
SPECIAL IAP	RNAV (RNP) M RWY 5		2	PAPG	PETERSBURG	AK (US)
SPECIAL IAP	RNAV (RNP) M RWY 10		2	PAWG	WRANGELL	AK (US)
SPECIAL IAP	RNAV (RNP) M RWY 28		2	PAWG	WRANGELL	AK (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 14

DATE OF REVISION: 09/08/2022

REASON FOR REVISION:

1. ADDED PAPG SPECIAL IAP RNAV (GPS) P RWY 23.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** WILLIAM MELTON

**APPROVED BY:**

**DATE:** 09/08/2022

**OFFICE:** AJV-A420

**NAME:** MARLON ROBINSON

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** SISTERS ISLAND VORTAC

**STATE:** AK

**COUNTRY:** US

**ICAO REGION CODE:** PA

**LATITUDE/LONGITUDE:** 581039.58N/1351531.91W

**TYPE:**

**AIRSPACE DOCKET:** 19-AAL-52

**FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	SISTERS ISLAND	SSR	VORTAC	H						45000

**FIX RESTRICTIONS:**

MCA V317 7900 WESTBOUND

**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	SSR	VORTAC	167.00	347.00	R	1	5000 45000	5 29
2	SE	SSR	VORTAC	116.86	296.86	R	1	4000 45000	4 29
3	E		WP	077.00	257.00	L		3100 8000	4 4
4	W		WP	249.60	069.60	R		4000 8000	5 9
5	S		WP	167.00	347.00	R		5400 10000	6 10
6	E		WP	075.00	255.00	L		3000 8000	4 9
7	SW		WP	206.66	026.66	R		5000 8000	6 9

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	580318.20N/1351958.00W	2975	6A
1	310	AAO	575740.70N/1352300.20W	3968	6A
2	200	AAO	581703.00N/1351424.00W	3304	4E
3	175	AAO	580415.00N/1351418.00W	2258	4E
3	200	TREE	580721.00N/1352246.00W	1787	2C
4	200	AAO	580939.00N/1353636.00W	2131	4E
5	200	AAO	580018.00N/1351106.00W	3097	4E
6	175	AAO	580415.00N/1351418.00W	2258	4E
6	200	TREE	580724.00N/1352248.00W	1707	4E
7	200	AAO	580100.00N/1352536.00W	3606	4E

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
1	200	198
2	200	95
3	175	190
3	200	220
5	200	218
6	175	190
6	200	230
7	200	320

**REASON FOR NONSTANDARD HOLDING:**

PAT 3 TERRAIN  
PAT 6 TERRAIN

**HOLDING RESTRICTIONS:**

PAT 3 CHART 175 KIAS HOLD.

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

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	GUSTAVUS (OBSTACLE)	PAGS	GUSTAVUS	AK (US)
3	ISLAND (RNAV)	PAOH	HOONAH	AK (US)
3	RNAV (GPS) RWY 24	PAOH	HOONAH	AK (US)

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PAT 2 OBSTRUCTION LOCATED 10252 FT INTO THE SECONDARY; PRIMARY EQUIVALENT: 2440'.  
PAT 3 175 KIAS OBSTRUCTION LOCATED 8113 FT INTO THE SECONDARY; EFFECTIVE HEIGHT 1424' MSL. APPLIED 1000 FT OF ROC, MAJORITY OF PATTERN OVER WATER.  
PAT 3 - USED TEMPLATE 5 FOR CIH EVALUTION. USED 200 KIAS FOR CIH EVALUTION.  
PAT 2 C-I-H EVALUATION RESTRICTED TO 200 KIAS FOR TERRAIN AVOIDANCE.  
USE OF HOLDING PATTERNS BY ALASKA AIRLINES SPECIAL PROCEDURES AT PAJN REFLECTS THE SUBMITTED 8260-2 WORKSHEETS FROM ALASKA AIRLINES (PROVIDED BY AFS-460).  
SISTERS ISLAND VORTAC MAGVAR 2015/E20.  
PAT 6 175 KIAS OBSTRUCTION LOCATED 8553 FT INTO THE SECONDARY; PRIMARY EQUIVALENT ELEVATION 1406.  
PAT 7 APPLIED 1000 FT ROC; TERMINAL HOLDING ONLY.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GUSTAVUS (OBSTACLE)		2	PAGS	GUSTAVUS	AK (US)

DP	TAKEOFF MINIMUMS		PAGS	GUSTAVUS	AK (US)
DP	ASORT		PAJN	JUNEAU	AK (US)
DP	JUNEAU (OBSTACLE)		PAJN	JUNEAU	AK (US)
DP	SITKA		PASI	SITKA	AK (US)
EN ROUTE	J502				(US)
EN ROUTE	J536				(US)
EN ROUTE	J541				(US)
EN ROUTE	Q902				(US)
EN ROUTE	T278				(US)
EN ROUTE	T383				(US)
EN ROUTE	V317				(US)
EN ROUTE	V428				(US)
EN ROUTE	V593				(US)
IAP	RNAV (GPS) RWY 29	6	PAGS	GUSTAVUS	AK (US)
IAP	VOR/DME RWY 29	2	PAGS	GUSTAVUS	AK (US)
IAP	LDA X RWY 8	1	PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) V RWY 8		PAJN	JUNEAU	AK (US)
SPECIAL DP	GUMLE(RNAV)		PAHN	HAINES	AK (US)
SPECIAL DP	ISLAND (RNAV)	3	PAOH	HOONAH	AK (US)
SPECIAL DP	ALSEK (RNAV)	6	PAJN	JUNEAU	AK (US)
SPECIAL DP	SISTERS RNAV (RNP)		PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (GPS) P RWY 26		PAHN	HAINES	AK (US)
SPECIAL IAP	RNAV (GPS)-A	4	PAHN	HAINES	AK (US)
SPECIAL IAP	RNAV (GPS) RWY 24	3	PAOH	HOONAH	AK (US)
SPECIAL IAP	LDA Z RWY 8	1	PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (GPS) P RWY 8	7	PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (GPS) Q RWY 8	4	PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (GPS) T RWY 8	5	PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (GPS) W RWY 8	6	PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (RNP) M RWY 26	4	PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (RNP) M RWY 8	2	PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (RNP) N RWY 26	5	PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (RNP) N RWY 8	5	PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (RNP) U RWY 8	1	PAJN	JUNEAU	AK (US)

**REQUIRED CHARTING:** DP, IAP, AREA, EN ROUTE LOW, EN ROUTE HIGH, SPECIAL IAP, SPECIAL DP, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** LOW/HIGH

**RECORD REVISION NUMBER:** 26

**DATE OF REVISION:** 12/29/2022

**REASON FOR REVISION:**  
ADDED DOCKET NUMBER  
ADDED T383 TO FIX USE

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** TAYLOR GIBSON

**APPROVED BY:**

**DATE:** 12/29/2022

**OFFICE:** AJV-A420

**NAME:** MARLON ROBINSON

**SIGNATURE:**