

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** BARLO **STATE:** AK **COUNTRY:** US **ICAO REGION CODE:** PA

**LATITUDE/LONGITUDE:** 582137.64N/1345321.28W **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 FEET	MRA	MAA
1	JUNEAU	I-JDL	LOC/DME		250.78	270.78	8.00	8.00	3400	10000
2	SISTERS ISLAND	SSR	VORTAC	H	026.66	046.66	16.06	16.06	3000	17500
3	COGHLAN ISLAND	CGL	NDB	HZ	250.73	270.73		6.00	3000	17500

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-JDL	LOC/DME	R-251	14	3400	10000

**FIX RESTRICTIONS:**

ALSEK (RNAV), PAJN, JUNEAU, AK  
 GUMLE (RNAV), PAHN, HAINES, AK  
 LDA Z RWY 8, PAJN, JUNEAU, AK  
 RNAV (RNP) M RWY 8, PAJN, JUNEAU, AK  
 RNAV (GPS) P RWY 8, PAJN, JUNEAU, AK  
 RNAV (GPS) RWY 24, PAOH, HOONAH, AK

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

**REMARKS:**

JUNEAU (FAC 1) AND SISTERS ISLAND (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
 I-JDL DME COORDINATES: 582131.02N/1343810.22W

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL DP	GUMLE (RNAV)			PAHN	HAINES	AK (US)
SPECIAL DP	ALSEK (RNAV)			PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (GPS) RWY 24			PAOH	HOONAH	AK (US)
SPECIAL IAP	LDA Z RWY 8	1, 2		PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (GPS) P RWY 8			PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (RNP) M RWY 8			PAJN	JUNEAU	AK (US)
SPECIAL DP	ZAAYN (RNAV)			PAHN	HAINES	AK (US)
SPECIAL DP	HUUNA ONE (OBSTACLE)(RNAV) DEPARTURE			PAOH	HOONAH	AK (US)
SPECIAL IAP	RNAV (GPS) P RWY 26			PAHN	HAINES	AK (US)
SPECIAL IAP	RNAV (GPS) M RWY 24			PAOH	HOONAH	AK (US)
SPECIAL IAP	RNAV (GPS) Q RWY 8			PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (GPS) T RWY 8			PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (RNP) O RWY 8			PAJN	JUNEAU	AK (US)
DP	ASORT	1, 2, 3		PAJN	JUNEAU	AK (US)
DP	JUNEAU	1, 2, 3		PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) RWY 29			PAGS	GUSTAVUS	AK (US)
IAP	VOR/DME RWY 29	2		PAGS	GUSTAVUS	AK (US)
IAP	RNAV (GPS) - A			PAHN	HAINES	AK (US)
IAP	LDA X RWY 8	1, 2, 3		PAJN	JUNEAU	AK (US)

**REQUIRED CHARTING:** DP, IAP, AREA, SPECIAL IAP, SPECIAL DP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 21 **DATE OF REVISION:** 06/15/2023

**REASON FOR REVISION:**

1. UPDATED FIX USE: ADDED SPECIAL DP ZAAYN (RNAV) PAHN HAINES AK (US).

**INITIATED BY:** **DATE:** 03/08/2023 **ORGANIZATION:** FLIGHT TECH AERO **NAME:** ALEC SEYBOLD

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A441 **NAME:** JOHN THORNTON

**APPROVED BY:** **DATE:** 06/15/2023 **OFFICE:** AJV-A441 **NAME:** DONALD LANIER

**SIGNATURE:** *Digitally signed by*  
**DONALD H LANIER**  
 May 02, 2023



# RADIO FIX AND HOLDING DATA RECORD

**NAME:** EYANA **STATE:** AK **COUNTRY:** US **ICAO REGION CODE:** PA

**LATITUDE/LONGITUDE:** 581256.24N/1350221.75W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** NO CHANGE

**FIX RESTRICTIONS:**  
RNAV (GPS) RWY 24, PAOH, HOONAH, AK

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

<b>FIX USE: USE TYPE</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
SPECIAL IAP	RNAV (GPS) RWY 24			PAOH	HOONAH	AK (US)
SPECIAL DP	ZAAYN (RNAV)			PAHN	HAINES	AK (US)
SPECIAL IAP	RNAV (GPS) M RWY 24			PAOH	HOONAH	AK (US)

**REQUIRED CHARTING:** SPECIAL IAP, SPECIAL DP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 5 **DATE OF REVISION:** 06/15/2023

**REASON FOR REVISION:**  
1. UPDATED FIX USE: ADDED SPECIAL DP ZAAYN (RNAV) PAHN HAINES AK (US).  
2. REQUIRED CHARTING: ADDED SPECIAL DP.

**INITIATED BY:** **DATE:** 03/07/2023 **ORGANIZATION:** FLIGHT TECH AERO **NAME:** ALEC SEYBOLD

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A441 **NAME:** JOHN THORNTON

**APPROVED BY:** **DATE:** 06/15/2023 **OFFICE:** AJV-A441 **NAME:** DONALD LANIER

**SIGNATURE:**  
*Digitally signed by*  
**DONALD H LANIER**  
May 02, 2023



# RADIO FIX AND HOLDING DATA RECORD

**NAME:** GUMLE **STATE:** AK **COUNTRY:** US **ICAO REGION CODE:** PA

**LATITUDE/LONGITUDE:** 583518.69N/1350258.46W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** NO CHANGE

**FIX RESTRICTIONS:**  
MCA T266 4100 SOUTHEAST BOUND

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

<b>PATTERNS:</b>											
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	NW		WP	335.76	155.76	R		4	4000	8000	4 4
2	NW		WP	322.40	142.40	R		4	4000	8000	4 4

<b>CONTROLLING OBSTRUCTIONS:</b>			<b>COORDINATES</b>		<b>ELEVATION</b>	<b>ACCURACY CODE</b>
PAT	AIRSPEED	OBSTRUCTION				
1	175	AAO	584106.00N/1345324.00W		2907	4E
2	175	AAO	584300.00N/1351736.00W		3130	4E

**HOLDING RESTRICTIONS:**  
PAT 1 CHART 175K ICON  
HOLDING LIMITED TO ESTABLISHED PATTERNS.  
PAT 2 CHART 175K ICON

**REMARKS:**  
PRECIPITOUS TERRAIN EVALUATION COMPLETED (PAT 1, 2); NO ADJUSTMENT REQUIRED.  
PAT 1 OBS LOCATED 12098 FT INTO THE SECONDARY, PRIMARY EQUIVALENT 1913.  
PAT 2 OBS LOCATED 10617.22 FT INTO THE SECONDARY, PRIMARY EQUIVALENT 2190.

<b>FIX USE:</b>						
USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL DP	GUMLE (RNAV)		2	PAHN	HAINES	AK (US)
SPECIAL DP	ZAAYN (RNAV)			PAHN	HAINES	AK (US)
SPECIAL DP	ALSEK (RNAV)			PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (GPS) P RWY 26			PAHN	HAINES	AK (US)
SPECIAL IAP	RNAV (GPS)-A		2	PAHN	HAINES	AK (US)
SPECIAL IAP	RNAV (GPS) P RWY 8			PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (GPS) Q RWY 8		2	PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (GPS) W RWY 8		1	PAJN	JUNEAU	AK (US)
EN ROUTE	T266					(US)
IAP	RNAV (GPS) V RWY 8			PAJN	JUNEAU	AK (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 10 **DATE OF REVISION:** 06/15/2023

**REASON FOR REVISION:**  
1. UPDATED FIX USE: ADDED SPECIAL DP ZAAYN (RNAV) PAHN HAINES AK (US).

**INITIATED BY:** **DATE:** 03/08/2023 **ORGANIZATION:** FLIGHT TECH AERO **NAME:** ALEC SEYBOLD

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A441 **NAME:** JOHN THORNTON

**APPROVED BY:** **DATE:** 06/15/2023 **OFFICE:** AJV-A441 **NAME:** DONALD LANIER

**SIGNATURE:** *Digitally signed by*  
**DONALD H LANIER**  
May 02, 2023



# 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:**      **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	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	4	4000 8000	5 9
5	S		WP	167.00	347.00	R	5	5400 10000	6 10
6	E		WP	075.00	255.00	L	4	3000 8000	4 9
7	SW		WP	206.66	026.66	R	5	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	200	220
3	175	190
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	RNAV (GPS) RWY 24	PAOH	HOONAH	AK (US)
3	ISLAND (RNAV)	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 EVALUATION.  
 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
SPECIAL DP	GUMLE(RNAV)			PAHN	HAINES	AK (US)



SPECIAL DP	ZAAYN (RNAV)		PAHN	HAINES	AK (US)
SPECIAL DP	HOONAH (OBSTACLE)(RNAV)	3	PAOH	HOONAH	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) O RWY 8	2	PAJN	JUNEAU	AK (US)
SPECIAL IAP	RNAV (RNP) U RWY 8	1	PAJN	JUNEAU	AK (US)
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	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)

**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:** 27

**DATE OF REVISION:** 06/15/2023

**REASON FOR REVISION:**

1. UPDATED FIX USE: ADDED SPECIAL DP ZAAYN (RNAV) PAHN HAINES AK (US).

05/02/23: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/15/23.

1. UPDATED FIX USE: ADDED SPECIAL DP, HOONAH (OBSTACLE)(RNAV), PAT 3, PAOH, HOONAH AK (US).

**INITIATED BY:**                      **DATE:** 03/15/2023      **ORGANIZATION:** FLIGHT TECH AERO      **NAME:** ALEC SEYBOLD

**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-A441                      **NAME:** JOHN THORNTON

**APPROVED BY:**                      **DATE:** 06/15/2023                      **OFFICE:** AJV-A441                      **NAME:** DONALD LANIER

**SIGNATURE:**                      *Digitally signed by*  
**DONALD H LANIER**  
May 02, 2023

