Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 04/12/2011	Task #: 2006031412680801003	Request #: 20060314126808
Procedure: RNAV (GPS) Z RWY 29 AMDT 1		**Airport ID:** PAGS	**Airport:** GUSTAVUS		**Reimbursable #:**
City: GUSTAVUS	**ST:** AK	**GPS #:**		**Estimated Chart Date:** 04/05/2012	**FICO #:**
Fac ID:	**Fac. Type:** LP Proc W	**Specialist:** CHARLES SCHNEIDER			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	03/01/2011	01/20/2012	STEVEN SZUKALA	
QA:	01/20/2012	01/20/2012	STEVEN SZUKALA	
Liaison:	01/20/2012		Terrell	REPLACEMENT 1/20/12 8260-3; 8260-10; 8260-2 SISTERS ISLAND VTAC

Procedure Comments: NON-ENROUTE **Remark Type:** INFORMATION

pg 1 of 1

GUSTAVUS, AK GUSTAVUS (PAGS) RNAV (GPS) Z RWY 29, AMDT 1 (LP) ENROUTE-NO FC: 2.21.12 PUB: 4.5.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): MITBE, REV 2; ODEPE, ORIG; PEREE, REV 2; RUKIE-INT, REV 2; SISTERS SISTERS ISLAND (SSR) VTAC, REV 14; YEBUR, REV 1; (INFO ONLY) CSPER-INT, REV 3.

CONTACT: ADOLFO URRUTIA, AJV-354 LEAD, 405.954.2079:

RNAV (GPS) Z RWY 29

GUSTAVUS(GST)(PAGS)

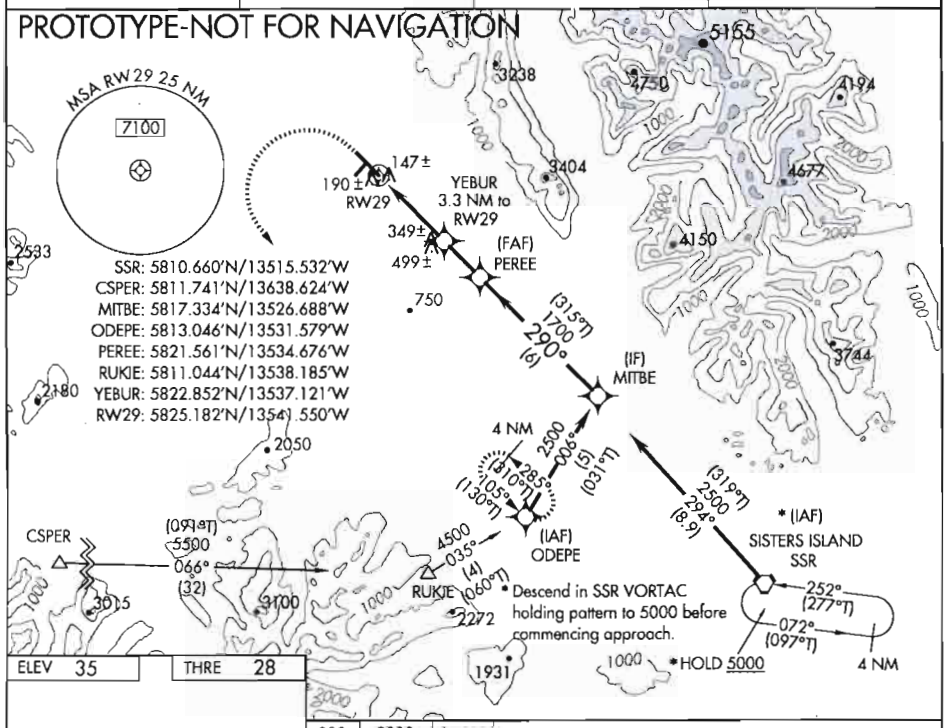
WAAS	APP CRS	Rwy Idg	6721
CH 99525	290°	THRE	28
W29A		Apt Elev	35

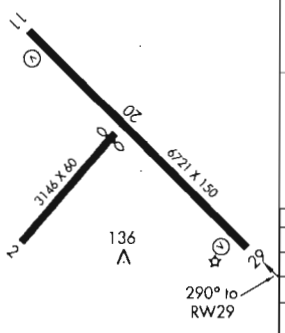
Circling NA northeast of Rwy 11-29. Procedure NA at night. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

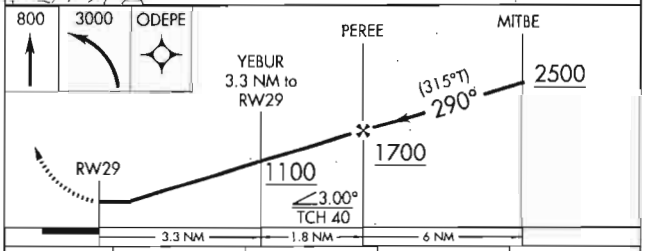
MISSED APPROACH: Climb to 800 then climbing left turn to 3000 direct ODEPE and hold, or as directed by ATC.

AWOS-3	ANCHORAGE CENTER	JUNEAU RADIO	CTAF
125.9	133.2 360.65	122.65	122.5

PROTOTYPE-NOT FOR NAVIGATION



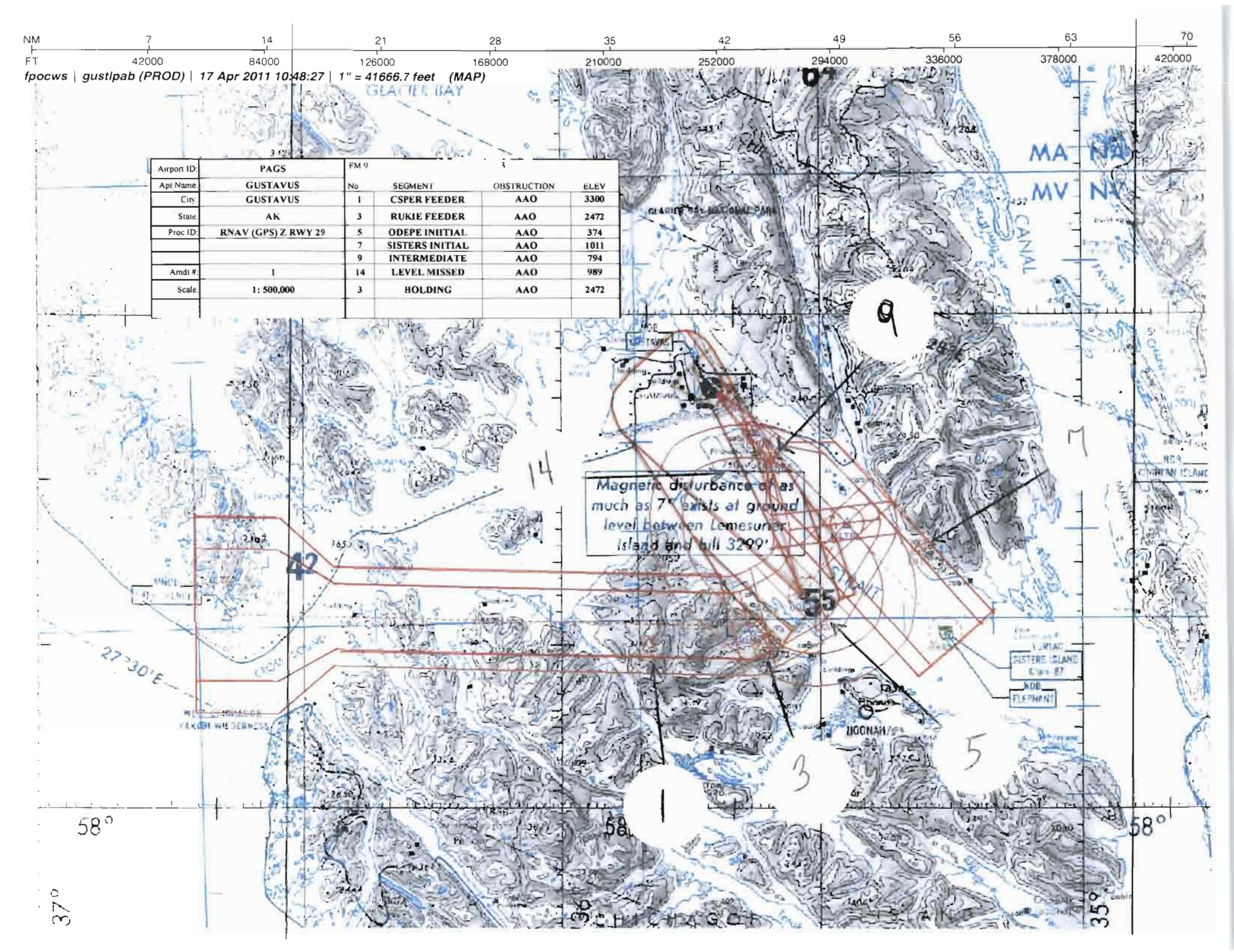




CATEGORY	A	B	C	D
LP MDA	400-1 372 (400-1)		NA	
LNAV MDA	500-1 472 (500-1)		NA	
CIRCLING	540-1 505 (600-1)		NA	

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED

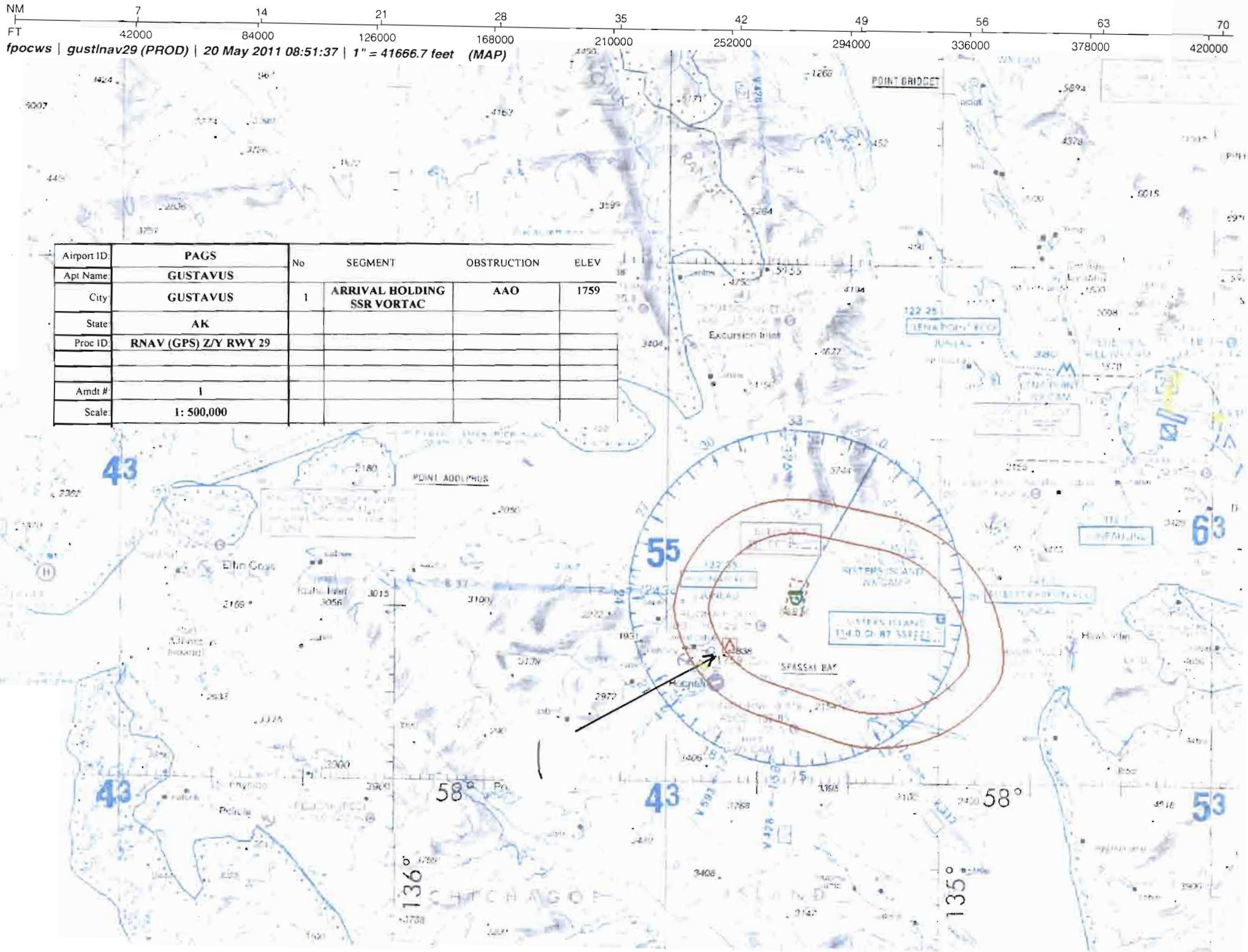
MIRL Rwy 11-29
REIL Rwys 11 and 29



Airport ID:	PAGS
Apt Name:	GUSTAVUS
City:	GUSTAVUS
State:	AK
Proc ID:	RNAV (GPS) Z RWY 29
Amdt #:	1
Scale:	1: 500,000

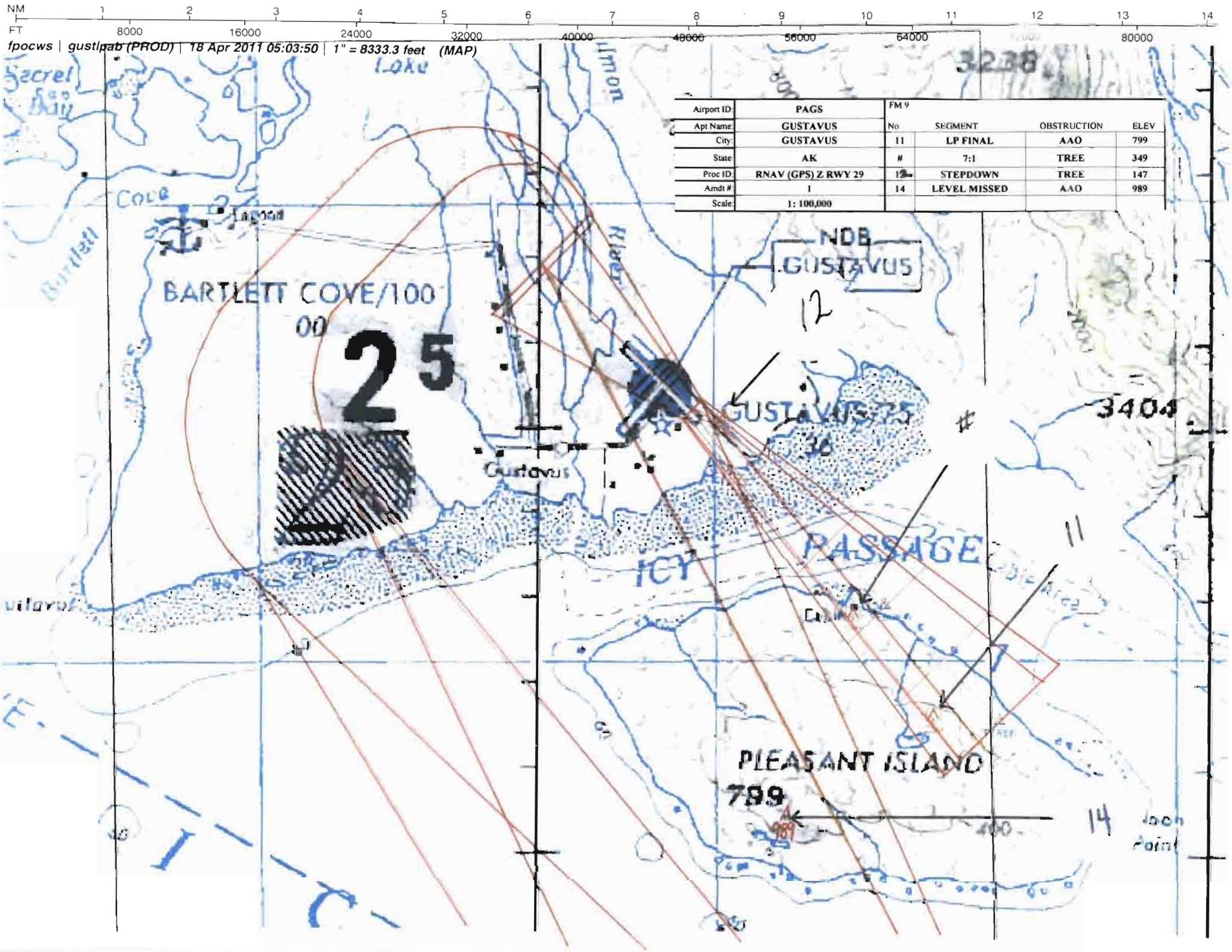
FM 9

No	SEGMENT	OBSTRUCTION	ELEV
1	CSPER FEEDER	AAO	3300
3	RUKIE FEEDER	AAO	2472
5	ODEPE INIITIAL	AAO	374
7	SISTERS INITIAL	AAO	1011
9	INTERMEDIATE	AAO	794
14	LEVEL MISSED	AAO	989
3	HOLDING	AAO	2472



Airport ID:	PAGS
Apt Name:	GUSTAVUS
City:	GUSTAVUS
State:	AK
Proc ID:	RNAV (GPS) Z/Y RWY 29
Amdt #:	1
Scale:	1: 500,000

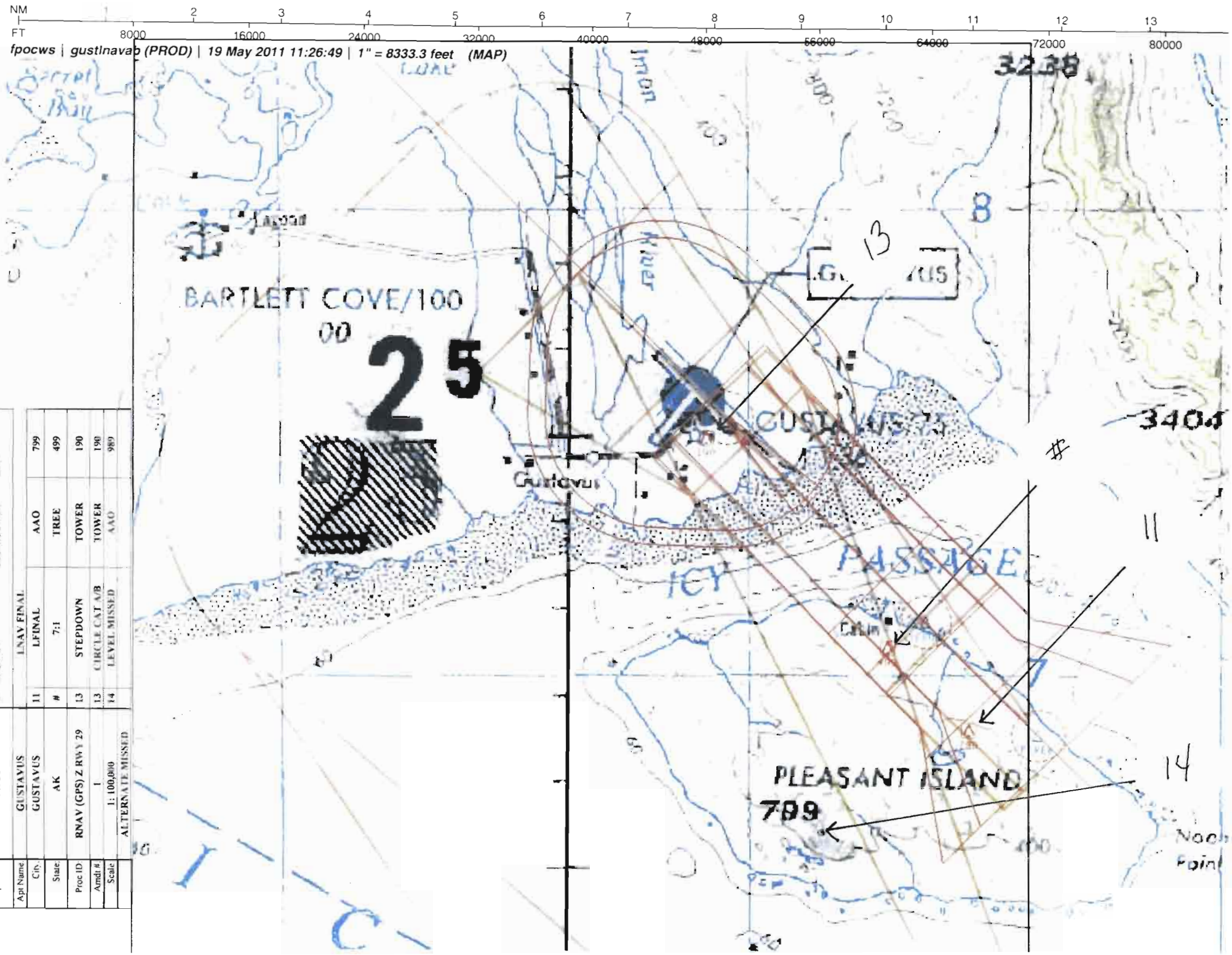
No	SEGMENT	OBSTRUCTION	ELEV
1	ARRIVAL HOLDING SSR VORTAC	AAO	1759



Airport ID:	PAGS
Apt Name:	GUSTAVUS
City:	GUSTAVUS
State	AK
Proc ID:	RNAV (GPS) Z RWY 29
Amdt #:	1
Scale:	1: 100,000

FM 9

No	SEGMENT	OBSTRUCTION	ELEV
11	LP FINAL	AAO	799
#	7:1	TREE	349
12	STEPDOWN	TREE	147
14	LEVEL MISSED	AAO	989


NM 1 2 3 4 5 6 7 8 9 10 11 12 13
FT 8000 16000 24000 32000 40000 48000 56000 64000 72000 80000
fpocws | gustlnavab (PROD) | 19 May 2011 11:26:49 | 1" = 8333.3 feet (MAP)
BARTLETT COVE/100
25
GUSTAVUS
PASSAGE
ICY
PLEASANT ISLAND
789
Airport ID PAGS
Apt Name GUSTAVUS
City GUSTAVUS
State AK
Proc ID RNAV (GPS) Z RWY 29
Amdt # 1
Scale 1: 100,000
ALTERNATE MISSED
FMU No SEGMENT OBSTRUCTION ELEV
LNAV FINAL
11 LFINAL AAO 799
7:1 TREE 499
13 STEPDOWN TOWER 190
13 CIRCLE CAT A/B TOWER 190
14 LEVEL MISSED AAO 989

U.S. DEPARTMENT OF TRANSPORTATION --
FEDERAL AVIATION ADMINISTRATION -- FLIGHT STANDARDS SERVICE
RNAV SPECIAL INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be conducted in accordance with a charted instrument approach procedure predicted on the specifications contained herein, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Admistrator. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

SPECIFICATION - NOT FOR COCKPIT USE

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CSPER	RUKIE (FB)	065.82 / 32.00	5500
RUKIE	ODEPE (FB)	035.09 / 4.03	4500
ODEPE (IAF)	MITBE (FB)	005.99 / 5.01	2500
SSR VORTAC (IAF)	MITBE (FB)	293.68 / 8.92	2500
(SEE FORM 8260-10)			

MISSED APPROACH

MAP:
LP: RW29
LNAV: RW29

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 DIRECT ODEPE AND HOLD.

1. PT ___ SIDE OF COURSE ___ OUTBOUND ___ FT WITHIN ___ MILES OF ___ (IAF)
2. PROFILE STARTS AT MITBE
3. FAC: 290.14 FAF: PEREE DIST FAF TO MAP: 5.13 THLD: 5.13
4. MIN. ALT: MITBE 2500, PEREE 1700, YEBUR/3.30 NM TO RW29 1100
5. DIST TO THLD FROM OM: ___ MM: ___ IM: ___ 150 HAT: ___ 100 HAT: ___ GS ANT: ___
6. MIN GS INCPT: ___ GS ALT AT: ___ OM: ___ MM: ___ IM: ___
7. GS ANGLE: ___ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW29 7100

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 105.00 INBOUND.
CHART FAS OBST: 190 TOWER 582452N/1354200W
CHART FAS OBST: 147 TREE 582501N/1354051W
CHART IN PLANVIEW: SSR VORTAC.
WAAS CHANNEL # 99525
(SEE FORM 8260-10)

MAG VAR: 25E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	400	1	372	400	1	372		NA			NA				
LNAV MDA	500	1	472	500	1	472		NA			NA				
CIRCLING	540	1	505	540	1	505		NA			NA				

NOTES:
CHART NOTE: CIRCLING NA NE OF RWY 11-29.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED
*DESCEND IN SSR VORTAC HOLDING PATTERN TO 5000 BEFORE COMMENCING APPROACH

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 35 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
GUSTAVUS, AK	AIRPORT NAME: GUSTAVUS	RNAV	RNAV (GPS) Z RWY 29, AMDT 1	AMDT: ORIG
				DATED: 11/25/2004

NOTES CONTINUED:

AIR CARRIER NOTES:

The procedure on the other side and the foregoing data are hereby:

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **CHARLIE SCHNEIDER**	FIFO **AJV-354**	DATE: **04/15/2011**
RECOMMENDED BY		
NAME: **DEZ SILAGYI** **MANAGER**	FIFO **AJV-354**	DATE:
APPROVED BY		
NAME:	REGION, FLT STANDARDS	DATE:

OPERATIONS SPECIFICATIONS -- AIRPORT

_____ holding Air Carrier Operating Certificate No. _____ hereby acknowledges receipt of Operations Specifications to operate into and out of the airport named on the other side as a ☐ Regular, ☐ Refueling, ☐ Alternate, ☐ Provisional for _____ airport with the following type aircraft:

Unless otherwise authorized in the Operations Specifications - Airport, an instrument approach of this type shall be conducted in accordance with the procedure specified on the other side and the air carrier minimums specified above with the following exceptions:

DATE: _____ RECEIVED FOR THE AIR CARRIER BY: _____ TITLE: _____
SIGNATURE

AMENDMENT NO. _____

BY DIRECTION OF THE ADMINISTRATOR _____ _____
SIGNATURE TITLE

EFFECTIVE DATE: _____

SAMPLE 1

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MITBE (IF)	PEREE (FB)	290.23 / 5.97	1700
PEREE (FAF)	YEBUR/3.30 NM TO RW29 (FB)	290.14 / 1.83	
YEBUR/3.30 NM TO RW29	RW29 (MAP) (FO)	290.10 / 3.30	
RW29 (MAP)	800 MSL	290.10	800
800 MSL	ODEPE (FO)		3000

ADDITIONAL FLIGHT DATA, (CONT.):

REFERENCE PATH ID: W29A
CHART ARRIVAL HOLDING AT SSR VORTAC: HOLD E, LT, 252.00 INBOUND, 5000*
OBST: 499 TREE 582228N/1353757W
OBST: 349 TREE 582243N/1353759W
PEREE TO RW29: 3.00/40
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER1: P
ROUTE TYPE QUALIFIER2: S
LTP HAE: 11.6 M

CHANGES

1. ROUTE FROM RUKIE TO JOBNO CHANGED TO RUKIE TO ODEPE
2. ADDED DME/DME RNP-0.3 NA NOTE
3. ADDED LP MINIMUMS
4. CHANGED MISSED APPROACH INSTRUCTIONS TO READ DIRECT ODEPE FROM DIRECT JOBNO
5. REMOVED VDP
6. LNAV MINIMUMS RAISED FROM 480/449 TO 500/472
7 CIRCLING MINIMUMS LOWERED FROM 560/525 TO 540/505
8. FAC CHANGED FROM 290.13 TO 290.14
9. STEPDOWN FIX ZANUS REMOVED FROM PROCEDURE
10. ADDED 34:1 IS NOT CLEAR NOTE
11. ADDED DIST FAF TO MAP AND CHANGED DIST TO THLD FROM 5.06 TO 5.13
12. MOVED STEPDOWN FIX YEBUR FROM 3.6 NM TO 3.3 NM

REASONS

1. NEW FIX FOR MINIMUM LEG LENGTH REQUIREMENT, AND BECAUSE FIX JOBNO USED ON ANOTHER PROCEDURE AND COULD NOT BE MOVED
2. DME/DME RNP-0.3 NA FOR THESE PROCEDURES
3. PER FPT REQUEST
4. FIX JOBNO REMOVED FROM PROCEDURE
5. OBSTACLES PENETRATE THE 20:1 SURFACE
6. NEW CONTROLLING OBSTACLE
7. NEW CONTROLLING OBSTACLE
8. NEW SURVEY DATA
9. PROCEDURE ONLY REQUIRES ONE STEPDOWN FIX
10. 34:1 SURFACE IS NOT CLEAR
11. NEW PFAF CALCULATIONS
12. FOR PROCEDURE STABALIZED DESCENT

1/19/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/15/2011:
RENUMBERED FORMS AND ADDED ARINC CODING PAGES.
REMOVED OR AS DIRECTED BY ATC FROM THE MISSED APPROACH INSTRUCTIONS.
REMOVED MANUAL CODING

CITY AND STATE	ELEVATION: 35 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GUSTAVUS, AK	AIRPORT NAME: GUSTAVUS	RNAV	RNAV (GPS) Z RWY 29, AMDT 1	AMDT: ORIG
				DATED: 11/25/2004

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAGS
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	582510.9385N
LTP/FTP LONGITUDE	1354133.0020W
LTP/FTP ELLIPSOIDAL HEIGHT	+00116
FPAP LATITUDE	582613.8200N
FPAP LONGITUDE	1354332.7700W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0704
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	066DA6F8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00085
FPAP ORTHOMETRIC HEIGHT	+00085

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:

APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        TCAND        SSR   PA011400VTHA N58103958W135153191    N58103958W135153191E0290000402     NARSISTERS ISLAND

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        TCANEAENRT   CSPER PA0    C   L N58114447W136383744                    E0207     NAR           CSPER
        TCANEAENRT   MITBE PA0    W     N58172001W135264130                    E0209     NAR           MITBE
        TCANEAENRT   ODEPE PA0    W     N58130278W135313474                    E0208     NAR           ODEPE
        TCANEAENRT   PEREE PA0    W     N58213368W135344054                    E0209     NAR           PEREE
        TCANEAENRT   RUKIE PA0    C   L N58110264W135381107                    E0208     NAR           RUKIE
        TCANEAENRT   YEBUR PA0    W     N58225109W135370726                    E0209     NAR           YEBUR

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        TCANP PAGSPAAGST     0     067YHN58253100W135422670E025000035         1800018000C    MNAR    GUSTAVUS

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        TCANP PAGSPAFR29-Z ACSPER 010CSPERPAEA0E       IF                                                18000                A JS
        TCANP PAGSPAFR29-Z ACSPER 020RUKIEPAEA0E    020TF                     06580320    + 05500                            A JS
        TCANP PAGSPAFR29-Z ACSPER 030ODEPEPAEA0E  A 020TF                     03510040    + 04500                            A JS
        TCANP PAGSPAFR29-Z ACSPER 040MITBEPAEA0EE B 010TF                     00600050    + 02500                            A JS
        TCANP PAGSPAFR29-Z ASSR   010SSR  PAD 0V  C    IF                                                18000                A JS
        TCANP PAGSPAFR29-Z ASSR   020MITBEPAEA0EE B 010TF                     29370089    + 02500                            A JS
        TCANP PAGSPAFR29-Z R      010MITBEPAEA0E  I    IF                                 + 02500     18000                  A JS
        TCANP PAGSPAFR29-Z R      020PEREEPAEA1E  F 051TF                     29020060    + 01700                 RW29  PAPGA JS
        TCANP PAGSPAFR29-Z R      020PEREEPAEA2WALP        N          ALNAV                                                  JS
        TCANP PAGSPAFR29-Z R      021YEBURPAEA0E S  031TF                     29010018    V 0110001118        -300           A JS
        TCANP PAGSPAFR29-Z R      030RW29 PAPG0GY M 031TF                     29010032      00068             -300           A JS
        TCANP PAGSPAFR29-Z R      040         0  M     CA                     2901        + 00800                            A JS
        TCANP PAGSPAFR29-Z R      050ODEPEPAEA0EY  L   DF                                 + 03000                            A JS
        TCANP PAGSPAFR29-Z R      060ODEPEPAEA0EE  L   HM                     10500040    + 03000                            A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        TCANP PAGSPAGRW29    0067212900 N58251094W135413300+0100    +00116000280000040150R

                1         2         3         4         5         6         7         8         9         0         1         2
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 35 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GUSTAVUS, AK	AIRPORT NAME: **GUSTAVUS**	**RNAV**	**RNAV (GPS) Z RWY 29, AMDT 1**	AMDT: **ORIG**
				DATED: **11/25/2004**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        TCANP PAGSPAPR29-Z RW29 001Z0000W29A0N5825109385W13541330020+001160300N5826138200W135433277001067507040004000F400000066DA6F8
        TCANP PAGSPAPR29-Z RW29 002E      +00085+00085LP        99525

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        TCANP PAGSPASRW29 PAPG               0   18018007125                                                                  M
```

CITY AND STATE	ELEVATION: 35 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GUSTAVUS, AK	AIRPORT NAME: GUSTAVUS	RNAV	RNAV (GPS) Z RWY 29, AMDT 1	AMDT: ORIG
				DATED: 11/25/2004

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CSPER	CSPER	010		IF		FB					
	CSPER	RUKIE	020		TF		FB	2.0	065.8(090.8T)	032.0	AA 05500	
	CSPER	ODEPE	030	IAF	TF		FB	2.0	035.1(060.1T)	004.0	AA 04500	
	CSPER	MITBE	040		TF		FB	1.0	006.0(031.0T)	005.0	AA 02500	
	SSR	SSR	010	IAF	IF		FB					
	SSR	MITBE	020		TF		FB	1.0	293.7(318.7T)	008.9	AA 02500	
		MITBE	010	FACF	IF		FB				AA 02500	
		PEREE	020	FAF	TF		FB	0.5	290.2(315.2T)	006.0	AA 01700	
		YEBUR	021	SDF	TF		FB	0.3	290.1(315.1T)	001.8	AA 01100	GS 01118
		RW29	030	MAP	TF		FO	0.3	290.1(315.1T)	003.2	AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		290.1(315.1T)		AA 00800	
	ODEPE	050		DF	L	FO				AA 03000	
	ODEPE	060		HM	L	FO		105.0(130.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SSR	N581039.58	W1351531.91	N5810.660	W13515.532
	CSPER	N581144.47	W1363837.44	N5811.741	W13638.624
	MITBE	N581720.01	W1352641.30	N5817.334	W13526.688
	ODEPE	N581302.78	W1353134.74	N5813.046	W13531.579
	PEREE	N582133.68	W1353440.54	N5821.561	W13534.676
	RUKIE	N581102.64	W1353811.07	N5811.044	W13538.185
	YEBUR	N582251.09	W1353707.26	N5822.852	W13537.121
	RW29	N582510.94	W1354133.00	N5825.182	W13541.550

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29	00028	40

CITY AND STATE	ELEVATION: 35 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GUSTAVUS, AK	AIRPORT NAME: **GUSTAVUS**	**RNAV**	**RNAV (GPS) Z RWY 29, AMDT 1**	AMDT: **ORIG**
				DATED: **11/25/2004**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	CSPER	RUKIE	1. AAO	580939.10N/1354942.00W	3300 (6C)	2000	AT200	5500
			2. TERRAIN	580939.10N/1354942.00W	3100 (3100)		AS1500	4600
FEEDER	RUKIE	ODEPE	3. AAO	580940.90N/1353631.80W	2472 (6C)	2000		4500
			4. TERRAIN	580940.90N/1353631.80W	2272 (2300)		AS1500	3800
INITIAL	ODEPE	MITBE	5. AAO	581121.00N/1352942.00W	374 (4E)	1000	AT1126	2500
			6. TERRAIN	581733.00N/1352306.00W	0 (0)		AS1500	1500
INITIAL	SSR VORTAC	MITBE	7. AAO	581524.00N/1351824.00W	1011 (4E)	1000	AT489	2500
			8. TERRAIN	581524.00N/1351824.00W	811 (800)		AS1500	2300
INTERMEDIATE	MITBE	PEREE	9. AAO	582048.00N/1353524.00W	794 (4E)	500	AC98 AT315	1700
			10. TERRAIN	582048.00N/1353524.00W	594 (600)		AS1000	1600
FINAL: LP	PEREE	YEBUR/3.30 NM TO	11. AAO	582131.64N/1353609.27W	799 (4D)	250	AC50	1100
		RW29						
FINAL: LP STEPDOWN	YEBUR/3.30 NM TO	RW29	12. TREE (PGSTA027)	582501.48N/1354050.60W	147 (1B)	250		400
	RW29							
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	RW29 / RW29	ODEPE				ASC		3000
			14. AAO	582022.60N/1353925.40W	989 (6A)	1000		2000
ELEV:	300/360		15. TERRAIN	582033.00N/1353930.00W	789 (800)		AS1500	2300

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.							
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	525	13. TOWER	582452.14N/1354159.99W	190 (4D)	300	AC50	560
CATEGORY B	1.5 NM		450		525	13. TOWER	582452.14N/1354159.99W	190 (4D)	300	AC50	560
CATEGORY C	1.7 NM		450								
CATEGORY D	2.3 NM		550								
CATEGORY E	4.5 NM		550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **RW29**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	340/ 26.1	6005 (6C)	7100					

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
GUSTAVUS, AK	ELEVATION: 35 AIRPORT NAME: GUSTAVUS	RNAV	RNAV (GPS) Z RWY 29, AMDT 1	AAL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
ZAN ARTCC		N W S	OTHER: AWOS-3	SOURCE: PAGS
	X	F A A		DISTANCE: 0
		A / C		HOURS REMOTE OPERATION: 0
SATISFACTORY ON:				
X V H F X U H F H F	LOCATION: PAGS			ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
	MALS
	HIRL
X	MIRL 11 (PCL), 29 (PCL)
X	REIL 11 (PCL), 29 (PCL)
	TDZ
	C/LINE
X	OTHER (SPECIFY) VASI-4R 11 (PCL) VASI-4L 29 (PCL)

6. RUNWAY MARKINGS	BASIC	BSC-G 11, 02, 20
	ALL WEATHER	
	INSTRUMENT	NPI-G 29
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH		
	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 40.0

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

QUALITY CHECK

PART D - PREPARED BY:	DATE:
CHARLIE SCHNEIDER	04/15/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PAGS AWOS-3, HRS OPTN: 24.

RWY 29 VGSI 3.00/38.9

SEE ATTACHED AIRSPACE LETTER.

PROCEDURE NA AT NIGHT PER FPT REQUEST

NO SUITABLE BACK-UP ALTIMETER SETTING SOURCE AVAILABLE

TERPS PARAGRAPH 289 APPLIED TO 499 TREE
582228N/1353757W

TERPS PARAGRAPH 289 APPLIED TO 349 TREE
582243N/1353759W

DEVELOPED LP PROCEDURE DUE TO MULTIPLE GQS PENETRATIONS

TAA NOT DEVELOPED AT ATC REQUEST

TREE HGTS: 150 FEET ON PLEASANT ISLAND, ALL OTHER 100 FEET PER FPO

TERPS, VOLUME 1, "VISUAL PORTION OF FINAL"
20:1
32 BUSH (PGSTA006) 582510.21N-1354128.19W (2.43)
126 TREE (PGSTA021) 582454.07N-1354110.46W (5.13)
131 TREE (PGSTA022) 582454.28N-1354108.89W (7.94)

34:1
131 TREE (PGSTA030) 582447.72N-1354044.76W (6.57)
127 TREE (PGSTA029) 582448.99N-1354104.32W (26.89)
101 TREE (PGSTA028) 582452.96N-1354104.42W (9.39)
123 TREE (PGSTA026) 582457.31N-1354058.95W (34.53)
119 TREE (PGSTA023) 582454.46N-1354108.21W (34.75)

VDP NA - OBSTACLES PENETRATE THE 20:1 SURFACE

PROCEDURE REQUIRES MAGVAR CHANGE FROM 25E TO 22E AMENDMENT SCHEDULED

IPDS DESIGNED MISSED APPROACH SEGMENT

CIRCLING NA NE OF RWY 11-29 (TERRAIN)

This procedure is part of the Capstone project. Capstones intent is to keep aircraft out of icing conditions and at or below 3000 feet for seperation purposes. Also the 175kt holding pattern is used for its smaller pattern size which will also keep it from overlaping a holding pattern at another airport. Capstone is limited to CAT A/B aircraft. Information provided by the Alaskan AWO. AWO states procedure is a key part of the Capstone project.

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LNAV	**PEREE**	**YEBUR/3.30 NM TO**	**11. AAO**	**582131.64N/1353609.27W**	**799 (4D)**	**250**	**AC50**	**1100**
		RW29						
FINAL: LNAV STEPDOWN	**YEBUR/3.30 NM TO**	**RW29**	**13. TOWER**	**582452.14N/1354159.99W**	**190 (4D)**	**250**	**AC50**	**500**
	RW29							
3. MISSED APPROACH MAP:								
ELEV:								

4. CIRCLING AREA	DISTANCE	REQUIRED	ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
GUSTAVUS, AK	**ELEVATION: 35** AIRPORT NAME: **GUSTAVUS**	**RNAV**	**RNAV (GPS) Z RWY 29, AMDT 1**	**AAL**

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ N W S OTHER: ☐ F A A ☐ A / C	SOURCE: DISTANCE: HOURS REMOTE OPERATION:
☐ V H F ☐ U H F ☐ H F	LOCATION:	ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3

5. APPROACH & RUNWAY LIGHTING	☐	**ALS**
	☐	**(S) SALS**
	☐	**MALS**
	☐	**HIRL**
	☐	**MIRL**
	☐	**REIL**
	☐	**TDZ**
	☐	**C/LINE**
	☐	**OTHER (SPECIFY)**

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING	☐	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	☐	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: MITBE **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 581720.01N/1352641.30W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) Z RWY 29, PAGS, GUSTAVUS, AK

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 29			PAGS	GUSTAVUS	AK (US)
IAP	RNAV (GPS) Z RWY 29			PAGS	GUSTAVUS	AK (US)

REQUIRED CHARTING: IAP, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
UPDATED FIX USE
REMOVED FAC 1

DEVELOPED BY: **DATE:** 04/15/2011 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ODEPE **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 581302.78N/1353134.74W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) Z RWY 29, PAGS, GUSTAVUS, AK

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W		WP	285.00	105.00	L		4	3000	6000	4	4
2	W		WP	285.00	105.00	L		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	175	AAO	580940.90N/1353631.80W	2472	6C
2	200	AAO	581248.00N/1354206.00W	2012	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC
PAT 2 ATC

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PROCEDURES

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED
PAT 1 CONTROLLING OBSTACLE 8315 FEET INTO THE SECONDARY (1780 EQUIVALENT)
PAT 1 CHART 175K HOLDING

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 29		2	PAGS	GUSTAVUS	AK (US)
IAP	RNAV (GPS) Z RWY 29		1	PAGS	GUSTAVUS	AK (US)

REQUIRED CHARTING: IAP, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 08/25/2011

DEVELOPED BY: **DATE:** 04/12/2011 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PEREE **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 582133.68N/1353440.54W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) Z RWY 29, PAGS, GUSTAVUS, AK

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 29			PAGS	GUSTAVUS	AK (US)
IAP	RNAV (GPS) Z RWY 29			PAGS	GUSTAVUS	AK (US)

REQUIRED CHARTING: IAP, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
UPDATED FIX USE
FIX MOVED 390.90 FEET, COORDINATES REVISED
DELETED FAC 1

DEVELOPED BY: **DATE:** 04/12/2011 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RUKIE **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 581102.64N/1353811.07W **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	DIST FROM FAC FEET	MRA	MAA
1	SISTERS ISLAND	SSR	VORTAC	H	243.00	272.00	12.00	12.00		7000	17500
2	GUSTAVUS	GAV	NDB	H	146.19	171.19		14.46		7000	17500
3	ELEPHANT	EEF	NDB	H	244.91	273.91		12.05		7000	17500

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) Z RWY 29, PAGS, GUSTAVUS, AK

HOLDING: **HOLDING TYPE OF ACTION:** CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T278					(US)
EN ROUTE	V-317	1, 2, 3				(US)
IAP	RNAV (GPS) Y RWY 29			PAGS	GUSTAVUS	AK (US)
IAP	RNAV (GPS) Z RWY 29			PAGS	GUSTAVUS	AK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
UPDATED FIX USE
REMOVED FAC 2
REMOVED HOLDING PATTERN 1, NO LONGER USED
ADDED DIST FROM FAC NM ON ALL FACILITIES
CHANGED MAG BRG/TRUE BEARING FAC 2 FROM 146.39/171.39 TO 146.19/171.19 AND FAC 3 FROM 244.89/273.89 TO 244.91/273.91
RAISED MRA FROM 3700 TO 7000 ALL FACS

DEVELOPED BY: **DATE:** 04/15/2011 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SISTERS ISLAND VORTAC **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 581039.58N/1351531.91W **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	DIST FROM FAC FEET	MRA	MAA
1	SISTERS ISLAND	SSR	VORTAC	H							45000

FIX RESTRICTIONS:
SPECIAL GUSTY, PAGS, GUSTAVUS, AK
SPECIAL GUMLE, PAHN, HAINES, AK
SPECIAL ISLAND, PAOH, HOONAH, AK
SPECIAL ALSEK, PAJN, JUNEAU, AK
SPECIAL RNAV (GPS) - A, PAHN, HAINES, AK
SPECIAL RNAV (GPS) RWY 24, PAOH, HOONAH, AK
SPECIAL LDA Y RWY 8, PAJN, JUNEAU, AK
SPECIAL LDA Z 8 RWY, PAJN, JUNEAU, AK
SPECIAL NDB RWY 8, PAJN, JUNEAU, AK
SPECIAL RNAV (GPS) W RWY 8, PAJN, JUNEAU, AK
SPECIAL RNAV (GPS) Z RWY 29, PAGS, GUSTAVUS, AK

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S	SSR	VORTAC	158.00	338.00	R	1-1 1/2		5000	45000	5	29
2	SE	SSR	VORTAC	115.69	295.69	R	1-1 1/2		4000	45000	4	29
3	E		WP	072.00	252.00	L		4	3000	8000	4	13
4	SW		WP	245.60	065.60	R		4	4000	8000	5	9
5	S		WP	164.00	344.00	R		5	5400	10000	6	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	582450.70N/1351403.40W	4877	6A
1	200	AAO	580315.40N/1351933.50W	2975	6A
1	310	AAO	575740.70N/1352300.20W	3968	6A
2	200	AAO	581703.00N/1351424.00W	3304	4E
3	175	AAO	580411.90N/1351421.90W	2354	6A
3	200	AAO	580724.00N/1352248.00W	1759	4E
3	310	AAO	580612.00N/1343718.00W	3888	3A
4	200	AAO	580804.00N/1353301.40W	2131	6A
5	200	AAO	580018.00N/1351106.00W	3097	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	197
2	200	82
5	200	213

REASON FOR NONSTANDARD HOLDING:
PAT 3 TERRAIN

HOLDING RESTRICTIONS:
PAT 3 CHART 175K HOLD
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 6000.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS	PAJN	JUNEAU	AK (US)
3	GUSTY	PAGS	GUSTAVUS	AK (US)
3	ISLAND	PAOH	HOONAH	AK (US)
3	RNAV (GPS) RWY 24	PAOH	HOONAH	AK (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
PAT 3 - JUNEAU MAG VAR 23E/2005
PAT 3 - HOONAH MAG VAR 22E/2010
PAT 2,3 - GUSTAUS MAG VAR 25E/2005
PAT 6 - JUNEAU MAG VAR 23E/2005
PAT 2 OBSTRUCTION LOCATED 7778 FT INTO THE SECONDARY.
PAT 3 175 KTS OBSTRUCTION LOCATED 8680 FT INTO THE SECONDARY.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GUSTY	1	3	PAGS	GUSTAVUS	AK (US)
DP	SISTERS (RNAV)	1		PAGS	GUSTAVUS	AK (US)

DP	TAKEOFF MINIMUMS	1		PAGS	GUSTAVUS	AK (US)
DP	GUMLE			PAHN	HAINES	AK (US)
DP	ISLAND		3	PAOH	HOONAH	AK (US)
DP	ALSEK		3	PAJN	JUNEAU	AK (US)
DP	CINGA			PAJN	JUNEAU	AK (US)
DP	CUSHI			PAJN	JUNEAU	AK (US)
DP	JUNEAU			PAJN	JUNEAU	AK (US)
DP	TAKEOFF MINIMUMS		1	PAJN	JUNEAU	AK (US)
DP	SITKA			PASI	SITKA	AK (US)
EN ROUTE	CAPSTONE NON-PART 95		3			(US)
EN ROUTE	J502					AK (US)
EN ROUTE	J536					AK (US)
EN ROUTE	J541					AK (US)
EN ROUTE	T278					AK (US)
EN ROUTE	V317					AK (US)
EN ROUTE	V428					AK (US)
EN ROUTE	V593					AK (US)
IAP	RNAV (GPS) Y RWY 29		3	PAGS	GUSTAVUS	AK (US)
IAP	RNAV (GPS) Z RWY 29		3	PAGS	GUSTAVUS	AK (US)
IAP	VOR/DME RWY 29	1	2	PAGS	GUSTAVUS	AK (US)
IAP	RNAV (GPS) - A		4	PAHN	HAINES	AK (US)
IAP	RNAV (GPS) RWY 24		3	PAOH	HOONAH	AK (US)
IAP	LDA X RWY 8	1	1	PAJN	JUNEAU	AK (US)
IAP	LDA Y RWY 8	1	1	PAJN	JUNEAU	AK (US)
IAP	LDA Z 8 RWY	1	1	PAJN	JUNEAU	AK (US)
IAP	NDB RWY 8		1	PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) T RWY 8		5	PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) V RWY 8			PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) W RWY 8			PAJN	JUNEAU	AK (US)
IAP	RNAV (RNP) U RWY 8 (ALASKA AIRLINES 3RD PARTY)	1	1	PAJN	JUNEAU	AK (US)

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

COMPULSORY REPORTING POINT: BOTH

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 02/09/2012

REASON FOR REVISION:
CHANGED PAT 3 MAX TEMPLATE FROM 9 TO 13
UPDATED FIX USE

01/20/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/19/2011:
UPDATED FIX USE, ADDED HOLDING PAT 3 TO PROCEDURES AT PAGS.

DEVELOPED BY: **DATE:** 05/19/2011 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YEBUR **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 582251.09N/1353707.26W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) Z RWY 29, PAGS, GUSTAVUS, AK

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 29			PAGS	GUSTAVUS	AK (US)
IAP	RNAV (GPS) Z RWY 29			PAGS	GUSTAVUS	AK (US)

REQUIRED CHARTING: IAP, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
UPDATED FIX USE
REMOVED FAC 1
FIX MOVED 1822 FT, COORDINATES REVISED

DEVELOPED BY: **DATE:** 04/15/2011 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: CSPER **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 581144.47N/1363837.44W **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	DIST FROM FAC FEET	MRA	MAA
1	SISTERS ISLAND	SSR	VORTAC	H	243.00	272.00	44.00	44.00		7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SSR	VORTAC	R-243	44	7000	14500

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) Z RWY 29, PAGS, GUSTAVUS, AK

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T278					(US)
EN ROUTE	V317	1				(US)
IAP	RNAV (GPS) Y RWY 29			PAGS	GUSTAVUS	AK (US)
IAP	RNAV (GPS) Z RWY 29			PAGS	GUSTAVUS	AK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 01/13/2011

REASON FOR REVISION:
ADDED T278 TO FIX USE.
ADDED NM DISTANCE FROM FAC 1.
ADDED WAYPOINT TO FIX TYPE.

DEVELOPED BY: **DATE:** 04/16/2010 **OFFICE:** AVN-130 **NAME:** MARCELLO SADORRA (DOUGLAS RODZON)

APPROVED BY: **DATE:** **OFFICE:** AVN-130 **NAME:** RAY NUSSEAR

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: ANC
ARTCC: ZAN
ATC FACILITY:
OTHER:

QUALITY 3 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **GUSTAVUS** STATE: **AK**

AIRPORT NAME: **GUSTAVUS** ID: **PAGS**

PROCEDURE: **RNAV (GPS) Z RWY 29** AMDT: **1**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **4.80**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.82**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **315.14**
4. High Terrain in **FINAL** segment containing 1000' point **599**
5. Distance from **THLD** to 1500' point **10.29**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **315.23**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **594**
9. Threshold Coordinates (if straight-in) ... **582510.94N / 1354133.00W**
10. ARP Coordinates ..... **582531.00N / 1354226.70W**
11. Runway Approach End and distance furthest from ARP.....RWY **29**
    Distance **0.58** NM
12. FAF Coordinates ..... **582133.68N / 1353440.54W**
    (Click to Select)

REMARKS: Approach/Drawing attached.

RADIO FIX AND HOLDING DATA RECORD

CANCELLED

NAME: ZANUS **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 582329.26N/1353819.63W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	PAGS R29					135.03	2.40				17500

REMARKS:
WP LOCATED ON RWY 29 CENTERLINE EXTENDED 2.40 NM FROM THLD

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	GUSTAVUS - RNAV (GPS) Y RWY 29; RNAV (GPS) Z RWY 29			PAGS	GUSTAVUS	AK (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 12/25/2003

DEVELOPED BY: **DATE:** 03/24/2003 **OFFICE:** AVN-140 **NAME:** RICHARD BRANHAM

APPROVED BY: **DATE:** **OFFICE:** AVN-140 **NAME:** CAREN SYCH

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: ANC
ARTCC: ZAN
ATC FACILITY:
OTHER:

QUALITY CHECKED