

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> KSM/PASM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> ST MARY'S	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 315	<u>TDZE</u> 310	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 2F	<u>DATED</u> 02/20/2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 7E
				<u>EPOCH YEAR</u> 2030
				<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 266/30 CW 085/30	NOPT	RUVHO	IF/IAF	2100
2. 085/30 CW 175/30		MKDOG	IAF	3800
3. 175/30 CW 266/30		DOKZI	IAF	3400

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
MKDOG	IAF	RUVHO	NOPT	TF	FB	1.00	085.21	7.00	2100
DOKZI	IAF	RUVHO	NOPT	TF	FB	1.00	265.64	7.00	2100
RUVHO	IF/IAF	ONEPY		TF	FB	1.00	355.42	7.30	1800
ONEPY	FAF	RW35	MAP	TF	FO	0.30	355.43	4.52	
RW35	MAP	560 MSL		CA			355.43		
560 MSL		YOZMO		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 DIRECT YOZMO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
13
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD S RUVHO, RT, 355.42 INBOUND, 2100 IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	355.43	FAF:	ONEPY	DIST FAF TO MAP:	4.52	DIST FAF TO THLD:	4.52							
4.	MIN ALT:	RUVHO 2100, ONEPY 1800													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		250 HAT:	0.63	GS ANT:				
6.	MIN GP INCPT:	1800	GP ALT AT PFAF:	ONEPY 1800					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	50.0							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA E OF RWY 17-35.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART NOTE: CIRCLING RWY 7 NA AT NIGHT.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MOU/PAMO ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOU/PAMO ALTIMETER SETTING AND INCREASE LPV DA TO 589 FEET; INCREASE LNAV/VNAV DA TO 913 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CATS C AND D 1/8 SM AND CIRCILING VISIBILITY CATS C AND D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 175.46 INBOUND.
FAS OBST: 675 TREE 620230N/1631654W.
CHART VDP AT 1.87 NM TO RW35.
WAAS CHANNEL # 87028
REFERENCE PATH ID: W35A
LTP HAE: 103.4 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	560	1	250	560	1	250	560	1	250	560	1	250			
LNAV/VNAV DA	884	1 5/8	574	884	1 5/8	574	884	1 5/8	574	884	1 5/8	574			
LNAV MDA	960	1	650	960	1	650	960	1 7/8	650	960	1 7/8	650			
CIRCLING	960	1	645	960	1	645	960	1 7/8	645	960	2	645			



CHANGES - REASONS

1. AIRPORT ELEVATION: UPDATED FROM "312" TO "315" - NEW AIRNAV DATA.
2. TDZE: UPDATED FROM "308" TO "310" - NEW AIRNAV DATA.
3. MAGVAR: UPDATED FROM "12E 2015" TO "7E 2030" - MAGVAR UPDATE.
4. TAA: STRAIGHT-IN TAA UPDATED FROM "274/30 CW 067/30 NOPT RUVHO IF/IAF 2000" TO "266/30 CW 085/30 NOPT RUVHO IF/IAF 2100" - INITIAL LEGS REDESIGN, MAGVAR UPDATE, NEW IF ALTITUDE.
5. TAA: LEFT BASE TAA UPDATED FROM "067/30 CW 170/30 GAKCE IAF 3900" TO "085/30 CW 175/30 MKDOG IAF 3800" - INITIAL LEGS REDESIGN, MAGVAR UPDATE, NEW IF ALTITUDE, IAF NAME CHANGE.
6. TAA: RIGHT BASE TAA UPDATED FROM "170/30 CW 274/30 BIBNE IAF 4200" TO "175/30 CW 266/30 DOKZI IAF 3400" - INITIAL LEGS REDESIGN, MAGVAR UPDATE, NEW IF ALTITUDE, IAF NAME CHANGE.
7. TERMINAL ROUTES: UPDATED INITIAL SEGMENT FROM "GAKCE IAF RUVHO NOPT TF FB 1.00 066.55 9.43 2000" TO "MKDOG IAF RUVHO NOPT TF FB 1.00 085.21 7.00 2100" - INITIAL REDESIGN, IAF NAME CHANGE.
8. TERMINAL ROUTES: UPDATED INITIAL SEGMENT FROM "BIBNE IAF RUVHO NOPT TF FB 1.00 274.03 9.46 2000" TO "DOKZI IAF RUVHO NOPT TF FB 1.00 265.64 7.00 2100" - INITIAL REDESIGN, IAF NAME CHANGE.
9. TERMINAL ROUTES: UPDATED INTERMEDIATE SEGMENT COURSE / DISTANCE FROM "350.42 / 7.23" TO "355.42 / 7.30" - MAGVAR UPDATE, FAF LOCATION CHANGE.
10. TERMINAL ROUTES: UPDATED FINAL SEGMENT COURSE/ DISTANCE FROM "350.43 / 4.53" TO "355.43 / 4.52" - MAGVAR UPDATE, FAF LOCATION CHANGE.
11. TERMINAL ROUTES: UPDATED CA FROM "508 MSL / COURSE 350.43" TO "560 MSL / 355.43" - MAGVAR UPDATE, LPV MINIMUMS UPDATE, TDZE UPDATE.
12. PROFILE LINE 2: UPDATED COURSE / ALTITUDE FROM "350.42 / 2000" TO " 355.42 / 2100" - MAGVAR UPDATE, IF ALTITUDE CHANGE.
13. PROFILE LINE 3: UPDATED FAC / DIST FAF TO MAP / DIST FAF TO THLD FROM "350.43 / 4.53 / 4.53" TO " 355.43 / 4.52 / 4.52" - MAGVAR UPDATE, FAF LOCATION CHANGE.
14. PROFILE LINE 4: UPDATED MIN ALT RUVHO FROM "2000" TO "2100" IF ALTITUDE CHANGE.
15. PROFILE LINE 5: UPDATED FROM "200 HAT: 0.47" TO "250 HAT: 0.63" - LPV MINIMUMS UPDATED.
16. PROFILE LINE 7: UPDATED FROM "34:1: IS NOT CLEAR / 20:1: IS NOT CLEAR" TO "34:1: IS CLEAR / 20:1: IS CLEAR" - NO 34:1 AND 20:1 OBSTACLES.
17. NOTES: REMOVED "CHART NOTE: RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - 20:1 IS CLEAR.
18. NOTES: UPDATED FROM "CHART NOTE: BARO-VNAV NA WHEN USING MOUNTAIN VILLAGE ALTIMETER SETTING" TO "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MUO/PAMO ALTIMETER SETTING" - IAW 8260.19K 8-6-10 E.(8).
19. NOTES: ADDED "CHART NOTE: CIRCLING RWY 7 NA AT NIGHT" - 20:1 CIRCLING OBSTACLES.
20. NOTES: UPDATED FROM "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOUNTAIN VILLAGE ALTIMETER SETTING AND INCREASE ALL DA 29 FT AND ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM AND CIRCLING VISIBILITY CAT C 1/8 SM, CAT D 1/4 SM" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MUO/PAMO ALTIMETER SETTING AND INCREASE LPV DA TO 589 FEET; INCREASE LNAV/VNAV DA TO 913 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CATS C AND D 1/8 SM AND CIRCLING VISIBILITY CATS C AND D 1/4 SM" - IAW 8260.19K 8-6-10 7.(4).
21. ADDITIONAL FLIGHT DATA: UPDATED FROM "HOLD N, RT, 170.46 INBOUND" TO "HOLD N, RT, 175.46 INBOUND" - MAGVAR UPDATE.
22. ADDITIONAL FLIGHT DATA: UPDATED FROM "CHART FAS OBST: 714 TREE 620230N/1631651W" TO "FAS OBST: 675 TREE 620230N/1631654W" - NEW FAS OBSTACLE.
23. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 1.87 NM TO RW35" - 20:1 IS CLEAR.
24. ADDITIONAL FLIGHT DATA: UPDATED FROM "LTP HAE: 103.7 M" TO "LTP HAE: 103.4 M" - LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +01037 TO +01034.
25. MINIMUMS: UPDATED LPV DA / HAT FROM "508 / 200" TO "560 / 250" - TDZE CHANGE, OCS PENETRATION.
26. MINIMUMS: UPDATED LNAV/VNAV VIS / HAT FROM "2 / 576" TO "1 5/8 / 574" - TDZE CHANGE, IAW 8260.3G TABLE 3-3-1.
27. MINIMUMS: UPDATED LNAV HAT FROM "652" TO "650" - TDZE CHANGE.
28. MINIMUMS: UPDATED CIRCLING HAA FROM "648" TO "645" - AIRPORT ELEVATION CHANGE.
29. FAS DATA: CRC REMAINDER UPDATED FROM "21BE2C9B" TO "56ADA140" - LTP/FTP CHANGE FROM "620315.9620N/1631804.9765W" TO "620319.8750N/1631804.6260W, FPAP CHANGE FROM "620444.7200N/1631756.9100W" TO "620448.6330N/1631756.5645W", LENGTH OFFSET UPDATED FROM "0920" TO "1040", VAL UPDATED FROM "35.0" TO "50.0".

07/22/2026: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 06/09/2026.
CORRECTED NOTE "BARO-VNAV AND VDP NA WHEN USING MUO/PAMO..." TO "BARO-VNAV AND VDP NA WHEN USING MUO/PAMO..."

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZAN, AMGR

FLIGHT CHECKED BY

JOEL F HAWKLEY

DEVELOPED BY

DANIEL WESTON

APPROVED BY

RAKE MCGRAW

Digitally signed by

RAKE MCGRAW

Jun 09, 2026

OFFICE

AJF

DATE

05/28/2026

Digitally signed by

RAKE MCGRAW

Jun 09, 2026

OFFICE

AJV-A422

DATE

02/24/2026

Digitally signed by

RAKE MCGRAW

Jun 09, 2026

OFFICE

AJV-A422

DATE

06/04/2026

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PASM
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	620319.8750N
LTP/FTP LONGITUDE	1631804.6260W
LTP/FTP ELLIPSOIDAL HEIGHT	+01034
FPAP LATITUDE	620448.6330N
FPAP LONGITUDE	1631756.5645W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1040
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	56ADA140

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00946
FPAP ORTHOMETRIC HEIGHT	+00946



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

AIRPORT ID
KSM/PASM

PROCEDURE NAME
RNAV (GPS) RWY 35

AMDT NO.
3

CITY
ST MARY'S

STATE
AK

AIRPORT ELEVATION
315

FACILITY
RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 266/30 CW 085/30 **TO** RUVHO

RNP DISTANCE PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	613321.00N/0634615.00W	410	215	8	4B	1000				AT690	2100
TERRAIN	613321.00N/1634615.00W	209 (200)								AS1500	1700

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM 085/30 CW 175/30 **TO** MKDOG

RNP DISTANCE PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	620006.00N/1643542.00W	2599	215	8	4B	1000					3600
TERRAIN	620100.00N/1643348.00W	2332 (2300)								AS1500	3800

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

QUALITY
13
CHECKED

RIGHT BASE AREA

FROM

175/30 CW 266/30

TO

DOKZI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	622009.00N/1624303.00W	1388	215	8	4B	2000					3400
TERRAIN	615530.00N/1620139.00W	1276 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

MKDOG

TO

RUVHO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	7.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	615421.00N/1632700.00W	246	215	8	4B	1000				AT854	2100
TERRAIN	615424.00N/1632706.00W	45 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

DOKZI

TO

RUVHO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	7.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	615121.00N/1630915.00W	240	215	8	4B	1000				AT860	2100
TERRAIN	615300.00N/1631527.00W	39 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

RUVHO (IF/IAF)

TO

ONEPY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	7.30										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	615421.00N/1632700.00W	246	215	8	4B	500				AT1054	1800
TERRAIN	615542.00N/1631951.00W	39 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM

ONEPY

TO

RW35

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	4.52		DA				250				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (02-316159)	620315.28N/1631756.72W	319	20	3	1A		34.00:1				560

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

ONEPY

TO

RW35

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	4.52		DA				574				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	620230.00N/1631654.00W	675	215	8	4B	161				XP40 AC8	884

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP TO MAINTAIN CURRENT MINS



FINAL: LNAV

FROM

ONEPY

TO

RW35

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	4.52		RW35				650				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	620230.00N/1631654.00W	675	215	8	4B	250				XP25	960

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP TO MAINTAIN CURRENT MINS

HOLD-IN-LIEU OF PT

FROM

RUVHO

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	614330.00N/1631221.00W	279	215	8	4B	1000				AT821	2100
TERRAIN	614330.00N/1631221.00W	78 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LPV

FROM

DA

TO

YOZMO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30											373
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2600
AAO	621624.00N/1631806.00W	748	215	8	4B	1000					1800
TERRAIN	620230.00N/1631654.00W	659 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

YOZMO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30											723
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2600
AAO	621624.00N/1631806.00W	748	215	8	4B	1000					1800
TERRAIN	620230.00N/1631654.00W	659 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW35

TO

YOZMO

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u> 860				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2600
AAO	621624.00N/1631806.00W	748	215	8	4B	1000					1800
TERRAIN	620230.00N/1631654.00W	659 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	620336.00N/1631936.00W	1.30	645	442	215	8	4B	300		SI	960
CATEGORY B											
TREE	620336.00N/1631936.00W	1.82	645	442	215	8	4B	300		SI	960
CATEGORY C											
TREE	620336.00N/1631936.00W	2.85	645	442	215	8	4B	300		SI	960
CATEGORY D											
AAO	620739.00N/1631624.00W	3.73	645	443	215	8	4B	300		SI	960

CIRCLING REMARKS:

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH



ZAN ARTCC, ENA FSS

<u>WX SERVICE</u> AWOS-3P	<u>LOCATION</u> KSM/PASM	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KSM/PASM	<u>DISTANCE</u>	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3P	<u>LOCATION</u> MOU/PAMO	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> MOU/PAMO	<u>DISTANCE</u> 10.95	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 29

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
PASM 315, PAMO 339
RA = 28.6.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>	
RW35 - REIL (PCL), HIRL (PCL), PAPI-4L (PCL)			
RW17 - REIL (PCL), HIRL (PCL), PAPI-4L (PCL)			
RW25 - MIRL (PCL)			
RW07 - MIRL (PCL)			

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 310.3	<u>TCH</u> 50.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 51.5
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	400
ON CENTERLINE	☒	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -19C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -25C	<u>APT ISA</u> +14.38C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -40C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA.
DESCENT RATE (FPM): STANDARD TEMP 959 HIGH TEMP 1265.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 07
20:1	
321 TREE (02-314833) 620310.33N/1631843.21W (5.53)	321 TREE (02-313089) 620310.70N/1631843.86W (4.43)
322 TREE (02-314015) 620310.67N/1631844.37W (4.21)	377 TREE (02-314515) 620312.18N/1631908.81W (4.04)
319 TREE (02-313260) 620311.84N/1631843.75W (3.95)	398 VEGETATION (02-313166) 620311.52N/1631917.84W (3.31)
320 TREE (02-314907) 620310.960N/1631844.10W (3.16)	320 TREE (02-314498) 620311.48N/1631844.63W (2.5)



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
KSM/PASM	RNAV (GPS) RWY 35	3	ST MARY'S	AK	315	RNAV
319 TREE (02-316047) 620309.87N/1631843.48W (2.39)			320 TREE (02-313915) 620311.25N/1631844.67W (2.15)			
321 TREE (02-313453) 620311.57N/1631845.26W (2.14)			319 TREE (02-314288) 620311.74N/1631844.49W (2.12)			
402 VEGETATION (02-314000) 620311.29N/1631919.98W (2.08)			379 TREE (02-313339) 620311.26N/1631910.24W (1.7)			
320 TREE (02-313065) 620311.38N/1631845.03W (1.46)			402 VEGETATION (02-316236) 620310.86N/1631920.28W (0.9)			
321 TREE (02-313160) 620311.32N/1631845.750W (0.72)			319 TREE (02-313171) 620311.17N/1631844.87W (0.6)			
322 TREE (02-315283) 620311.25N/1631846.35W (0.25)			319 TREE (02-313134) 620309.11N/1631844.12W (0.06)			
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TAA: RIGHT BASE AREA PARTIALLY WITHIN DESIGNATED MOUNTAINOUS AREA; MOUNTAINOUS ROC APPLIED.

15 FT TREE HEIGHT PER FPT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	4.21
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.84
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	002.43
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	700
DISTANCE FROM	FAF	TO 1500FT POINT	6.90
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	002.42
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	0

THRESHOLD COORDINATES (IF STR-IN)	620319.88N/1631804.63W
ARP COORDINATES	620338.94N/1631806.62W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 17 DISTANCE 0.60 NM
FAF COORDINATES	615849.66N/1631829.09W
FIX NAME COORDINATES	IF RUVHO 615133.05N/1631908.39W

REMARKS

IAF MKDOG 615149.96N 1633354.31W 30 NM RADIUS
IAF DOKZI 615114.55N 1630422.71W 30 NM RADIUS
IF/IAF RUVHO 615133.05N 1631908.39W 30 NM RADIUS
THLD DISPLACED 400FT, ACTUAL COORDINATES: 620315.94N/1631804.98W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
DANIEL WESTON	AJV-A422	02/24/2026	AERONAUTICAL INFORMATION SPECIALIST

