

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

<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>
4J5	RNAV (GPS) RWY 28	2	QUITMAN	GA	185	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM JOGOS **TO** CUGIN

RNP 1.00 **DISTANCE** 11.95 **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>
TOWER (13-000466)	305151.00N/0832338.00W	790	500	50	5D	1000				AT210	2000
TERRAIN	304857.00N/0832145.00W	370 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM OTK VOR/DME **TO** CUGIN

RNP 1.00 **DISTANCE** 4.64 **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>
TOWER (13-001308)	304815.00N/0832117.00W	737	100	20	3C	1000				AT263	2000
TERRAIN	304857.00N/0832145.00W	370 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM

CUGIN (IF/IAF)

TO

ODEVE

<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>
TOWER (13-001308)	304815.00N/0832117.00W	737	100	20	3C	500					1300
TERRAIN	304930.00N/0832209.00W	269 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LP

FROM

ODEVE

TO

KUKME/2.12 NM TO RW28

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
0.30	1.60										
<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>
TOWER (13-001860)	304838.00N/0833119.00W	693	250	50	4D	250				RA59 AC50 SA-93 DG161	1120

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LP STEPDOWN

FROM

KUKME/2.12 NM TO RW28

TO

RW28

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.12		RW28		415						
<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 (13-169586)	304808.25N/0833438.22W	285	20	3	1A	250				RA39 XP20	600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP-20: TO MAINTAIN CURRENTLY PUBLISHED MINIMUMS.

FINAL: LNAV

FROM

ODEVE

TO

KUKME/2.12 NM TO RW28

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	1.60										
<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>
TOWER (13-001860)	304838.00N/0833119.00W	693	250	50	4D	250				RA59 AC50 DG68	1120

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

KUKME/2.12 NM TO RW28

TO

RW28

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	2.12		RW28	675	

<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>
TOWER (13-000440)	304745.58N/0833255.50W	496	250	50	4D	250				RA39 AC50 XP20	860

COMPUTATIONS

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

SEGMENT REMARKS:

XP-20: TO MAINTAIN CURRENTLY PUBLISHED MINIMUMS.

HOLD-IN-LIEU OF PT

FROM

CUGIN

TO

P-4

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
		P-4			

<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>
TOWER (13-000466)	305150.71N/0832338.56W	790	500	50	5D	1000				AT210	2000
TERRAIN	304857.00N/0832145.00W	370 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:



MISSED APPROACH: LP

FROM

RW28

TO

HOSOG

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u> 461				
<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				2000
TOWER (13-020348)	304853.29N/0834423.04W	597	50	20	2C	1000					1600
TERRAIN	304939.00N/0833918.00W	262 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW28

TO

HOSOG

RNP 0.30-1.00	DISTANCE	PAT	MAP				HAT	HMAS 721			
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (13-020348)	304853.29N/0834423.04W	597	50	20	2C	1000					1600
TERRAIN	304939.00N/0833918.00W	262 (300)								AS1500	1800

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



MSA

CENTER

RW28

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (13-001353)	304014.00N/0835626.00W	252	20.2	2221	500	50	5D	1000			3300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

VAD APP CON, ZJX ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	VLD	24	VLD	16.38	Y	39
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	TVI	24	TVI	16.25	Y	46

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
4J5 185, VLD 192, TVI 241
RA = 38.8, 45.3.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW10 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	
RW28 - MIRL (PCL), PAPI-2R (PCL)		NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					4.00	23.7

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LP, LNAV
20:1	
266 TREE (13-153328) 304815.29N/0833434.88W (16.06)	236 TREE (13-028972) 304819.31N/0833440.72W (12.78)
256 TREE (13-153419) 304815.69N/0833436.28W (12.28)	255 TREE (13-153390) 304813.59N/0833436.52W (11.64)
267 TREE (13-153344) 304816.57N/0833433.45W (11.25)	255 TREE (13-153410) 304813.77N/0833436.38W (11.09)
265 TREE (13-153306) 304815.64N/0833433.37W (8.6)	253 TREE (13-153447) 304813.80N/0833435.84W (6.75)
258 TREE (13-153411) 304816.65N/0833434.05W (4.89)	265 TREE (13-153345) 304816.75N/0833432.36W (4.57)
190 TERRAIN (13-027854) 304818.07N/0833449.44W (4.32)	198 FENCE (13-153500) 304818.75N/0833447.27W (3.1)
187 TERRAIN (13-170423) 304816.90N/0833449.75W (2.29)	191 TERRAIN (13-170383) 304818.97N/0833448.44W (1.27)
262 TREE (13-153336) 304817.44N/0833432.15W (0.88)	190 TERRAIN (13-027853) 304818.57N/0833448.59W (0.79)
FINAL TYPE	LP, LNAV
34:1	
265 TREE (13-153302) 304818.00N/0833430.93W (32.33)	265 TREE (13-153377) 304817.56N/0833430.76W (31.81)
265 TREE (13-153335) 304818.35N/0833430.06W (30.17)	259 TREE (13-153325) 304818.51N/0833432.29W (29.91)
266 TREE (13-153437) 304818.46N/0833427.61W (24.92)	269 TREE (13-153406) 304819.02N/0833426.24W (24.53)
255 TREE (13-153440) 304813.92N/0833430.02W (19.22)	243 TREE (13-153355) 304818.43N/0833434.14W (18.63)
231 TREE (13-027950) 304812.95N/0833438.33W (16.3)	252 TREE (13-153329) 304813.32N/0833429.65W (15.16)
221 POLE (13-020683) 304815.03N/0833441.51W (14.85)	220 POLE (13-020684) 304818.87N/0833441.46W (14.45)
221 TREE (13-153372) 304818.94N/0833440.83W (13.86)	252 TREE (13-153446) 304815.13N/0833428.82W (13.38)
226 TREE (13-153443) 304814.62N/0833438.86W (12.98)	223 TREE (13-153493) 304815.82N/0833439.63W (12.18)
257 TREE (13-153491) 304818.41N/0833425.87W (11.46)	218 GENERAL_UTILITY (13-020688) 304814.63N/0833441.30W (11.23)
218 TREE (13-153456) 304815.07N/0833440.94W (10.39)	216 GENERAL_UTILITY (13-020687) 304818.46N/0833441.21W (9.74)
213 TREE (13-029290) 304814.05N/0833442.61W (9.47)	243 TREE (13-169919) 304812.76N/0833430.89W (9.22)
250 TREE (13-153425) 304814.34N/0833427.86W (8.77)	219 TREE (13-153413) 304814.04N/0833439.65W (7.89)
219 TREE (13-153445) 304816.80N/0833439.18W (7.22)	237 TREE (13-170097) 304812.35N/0833432.11W (6.27)
245 TREE (13-153467) 304813.45N/0833428.76W (5.9)	247 TREE (13-153412) 304815.75N/0833427.69W (5.61)
194 SIGN (13-170102) 304818.93N/0833447.03W (2.72)	233 TREE (13-153321) 304812.97N/0833432.00W (2.1)
194 FENCE (13-169764) 304818.32N/0833446.79W (1.99)	231 TREE (13-170024) 304811.91N/0833432.68W (1.64)
206 POLE (13-169695) 304814.39N/0833442.10W (1.23)	206 TREE (13-153309) 304814.39N/0833442.09W (1.21)
212 TREE (13-153305) 304817.26N/0833439.37W (0.8)	

PENETRATIONS REMARKS:

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HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION USED PER FPT.

TAA NOT DEVELOPED PER ATC.

VISIBILITY LIMITED TO 1 SM - 20:1 PENETRATIONS EXIST.

VDP NOT NOT DEVELOPED - 20:1 PENETRATIONS EXIST, PRIMARY ALTIMETER IS REMOTE.

FLIGHT INSPECTION RESULTS DO NOT WARRANT A VDA.

PROCEDURE DESIGNED USING 4.00/35.00.

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	1.76
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	273.75
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	200
DISTANCE FROM	THLD	TO 1500FT POINT	3.56
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	273.75
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	200

THRESHOLD COORDINATES (IF STR-IN)	304817.07N/0833452.04W
ARP COORDINATES	304818.67N/0833520.65W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 28 DISTANCE 0.41 NM
FAF COORDINATES	304802.51N/0833033.48W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
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