

**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</u> MOULTRIE MUNI	<u>AIRPORT ID</u> KMGR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> MOULTRIE	<u>STATE</u> GA
<u>AIRPORT ELEVATION</u> 298	<u>TDZE</u> 289	<u>SUPERSEDED</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 12/11/2014	<u>MAG VAR</u> 5W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 01/30/2020	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 314/30 CW 134/30	NOPT	314/10 CW 134/10		3300
2. 314/10 CW 134/10		YALMI	IAF	2500
3. 134/30 CW 314/30		134/10 CW 314/10		2600
4. 134/10 CW 314/10		YALMI	IF/IAF	2500

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
YALMI	IF/IAF	ZOLGU		TF	FB	1.00	043.79	6.63	2000
ZOLGU	FAF	JELGU/1.65 NM TO RW04		TF	FB	0.30	043.84	3.64	
JELGU/1.65 NM TO RW04		RW04	MAP	TF	FO	0.30	043.84	1.65	
RW04	MAP	539 MSL		CA			043.84		
539 MSL		TUMVY		DF	FO	1.00			2500

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW04

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2500 DIRECT TUMVY AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. PT      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
- 2. HOLD SW YALMI, RT, 043.79 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 043.84      **FAF:** ZOLGU                      **DIST FAF TO MAP:** 5.29                      **DIST FAF TO THLD:** 5.29
- 4. **MIN ALT:** YALMI 2500, ZOLGU 2000, JELGU/1.65 NM TO RW04 840\*
- 5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **250 HAT:** 0.70                      **GS ANT:**
- 6. **MIN GP INCPT:** 2000                      **GP ALT AT FAF :** ZOLGU 2000                      **OM:**                      **MM:**                      **IM:**
- 7. **GP ANGLE:** 3.00                      **34:1:** IS CLEAR                      **20:1:** IS CLEAR                      **TCH:** 45.0
- 8. **MSA FROM:**

**PBN REQUIREMENTS NOTE:**

RNP APCH.

**NOTES:**

CHART NOTE: CIRCLING RWY 16 NA AT NIGHT.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.  
 CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT YALMI ON V35-159 NORTHWEST BOUND.  
 \*LNAV ONLY

**ADDITIONAL FLIGHT DATA:**

CHART VDP AT 1.08 NM TO RW04\*  
 CHART CIRCLING ICON.  
 WAAS CHANNEL #82603  
 REFERENCE PATH ID: W04A  
 CHART FAS OBST: 391 TREE 310424N/0834926W.  
 CHART: 635 TOWER 310038N/0835252W.  
 HOLD NE, RT, 223.95 INBOUND  
 LTP HAE: 54.6 M

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
	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	539	1	250	539	1	250	539	1	250	539	1	250			
LNAV/VNAV DA	552	1	263	552	1	263	552	1	263	552	1	263			
LNAV MDA	660	1	371	660	1	371	660	1	371	660	1	371			
CIRCLING	720	1	422	760	1	462	860	1 1/2	562	1080	2 1/2	782			



**CHANGES - REASONS**

1. CHANGED PROFILE DIST FAF TO MAP AND DIST FAF TO THLD FROM 4.98 TO 5.29 - MOVED PFAF LOCATION.
2. CHANGED PROFILE MIN GP INCPT AND GP ALT AT FAF FROM 1900 TO 2000 - PER FPT REQUEST.
3. REMOVED MSA AND ADDED TAA - PER FPT REQUEST.
4. REMOVED DME/DME RNP 0.3 AND ADDED RNP APCH - UPDATED CRITERIA.
5. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C (5°F) OR ABOVE 42°C (107°F)." TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C." - UPDATED TEMPERATURE CALCULATION AND REMOVED FAHRENHEIT.
6. CHANGED LPV ALL CATS DA FROM 489 TO 539 AND HAT FROM 200 TO 250 - NEW CONTROLLING OBSTACLE.
7. CHANGED LNAV/VNAV ALL CATS DA FROM 600 TO 552 AND HAT FROM 311 TO 263 - NEW CONTROLLING OBSTACLE.
8. CHANGED LNAV ALL CATS MDA FROM 740 TO 660 AND HAT FROM 451 TO 371 - NEW CONTROLLING OBSTACLE.
9. CHANGED CIRCLING CATS A/B HAA FROM 486 TO 482, CAT C MDA FROM 780 TO 860 AND HAA FROM 486 TO 562, CAT D MDA FROM 860 TO 1080 AND HAA FROM 566 TO 782 - NEW CONTROLLING OBSTACLES DUE TO NEW CIRCLING CRITERIA APPLIED.
10. LPV VISIBILITY ALL CATS CHANGED FROM 3/4 SM TO 1 SM AND LNAV VISIBILITY CATS C/D CHANGED FROM 1 3/8 SM TO 1 SM - FULL LENGTH TAXIWAY NO PRESENT.
11. FAS DATA: CHANGED LTP/FTP LAT/LONG FROM 310449.7735N/0834834.1665W TO 310449.7750N/0834834.1670W, FPAP LAT/LONG FROM 310559.2900N/0834729.0400W TO 310559.2941N/0834729.0376W, AND LENGTH OF OFFSET FROM 1184 TO 0920 - LTP COORDINATES AND LENGTH OFFSET CHANGED DUE TO NEW EVALUATION.
12. CRC REMAINDER CHANGED FROM AA46B71B TO 3722AA0C - FAS FPAP LOCATION CHANGED.
13. FAS OBST CHANGED FROM 399 TREE TO 391 TREE - NEW OBSTACLE EVALUATION.
14. CHANGED ADDITIONAL FLIGHT NOTE FROM "CHART VDP AT 1.3 NM TO RW04\*" TO "CHART VDP AT 1.08 NM TO RW04\*" - VPD DISTANCE CHANGED DO TO REDUCTION OF LNAV MDA FROM 740 TO 660.
15. ADDED STEPDOWN FIX JELGU - PER FPT REQUEST.
16. ADDED ADDITIONAL FLIGHT DATA: CHART: 635 TOWER 310037.88N/0835252.04W. - NEW 7:1 OBSTACLE.
17. ADDED NOTE "CIRCLING RWY 16 NA AT NIGHT - 20:1 PENETRATIONS TO RWY 16.
18. ADDED "20:1 IS CLEAR" ON LINE 7 - PER .19H PARA 8-6-7G (3).
19. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 - PER .19H 8-6-7B (2).
20. 7:1 OBSTACLE CHANGED FROM 499 AAO TO 635 TOWER - NEW OBSTACLE EVALUATION.
21. ADDED "CHART CIRCLING ICON" IN ADDITIONAL FLIGHT DATA - NEW CIRCLING CRITERIA APPLIED.
22. CHANGED DISTANCE TO THLD FROM "200 HATH: 0.49 NM" TO "250 HAT: 0.70" - HAT CHANGED FROM 200' TO 250'.

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZJX, VLD APP CON, EST FPT, AMGR

**FLIGHT CHECKED BY**

PENDING

*Digitally signed by*  
**DONALD H LANIER**

Nov 01, 2019

**OFFICE**

FICO

**DATE**

**DEVELOPED BY**

DONALD H. LANIER (KEITH W JONES)

*Digitally signed by*  
**DONALD H LANIER**

Nov 01, 2019

**OFFICE**

AJV-A431

**DATE**

07/31/2019

**APPROVED BY**

GEORGE DAVIS

*Digitally signed by*  
**DONALD H LANIER**

Nov 01, 2019

**OFFICE**

AJV-A450

**DATE**

**TITLE**  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMGR
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	310449.7750N
LTP/FTP LONGITUDE	0834834.1670W
LTP/FTP ELLIPSOIDAL HEIGHT	+00546
FPAP LATITUDE	310559.2940N
FPAP LONGITUDE	0834729.0375W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	3722AA0C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00820
FPAP ORTHOMETRIC HEIGHT	+00820

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

<u>AIRPORT</u> MOULTRIE MUNI	<u>AIRPORT ID</u> KMGR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>AMDT NO.</u> 2	<u>CITY</u> MOULTRIE	<u>STATE</u> GA	<u>AIRPORT ELEVATION</u> 298	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**STRAIGHT-IN AREA**

<u>FROM</u> 314/30 CW 134/30	<u>TO</u> 314/10 CW 134/10
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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>
1.TOWER (13-001353)	304014.00N/0835626.00W	2221	500	50	5D	1000					3300
2.TERRAIN	305424.00N/0842157.00W	380 (400)								AS1500	1900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**STRAIGHT-IN AREA**

<u>FROM</u> 314/10 CW 134/10	<u>TO</u> YALMI
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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>
3.TOWER (13-001211)	304908.60N/0835948.30W	776	50	20	2C	1000				AT724	2500
4.TERRAIN	305421.00N/0840742.00W	351 (400)								AS1500	1900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



AIRPORT  
MOULTRIE MUNI

AIRPORT ID  
KMGR

PROCEDURE NAME  
RNAV (GPS) RWY 4

AMDT NO.  
2

CITY  
MOULTRIE

STATE  
GA

AIRPORT ELEVATION  
298

FACILITY  
RNAV

**STRAIGHT-IN AREA**

FROM  
134/30 CW 314/30

TO  
134/10 CW 314/10

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>
5.TOWER (13-000321)	310808.70N/0840615.70W	1542	250	50	4D	1000					2600
6.TERRAIN	312342.00N/0835845.00W	449 (400)								AS1500	1900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**STRAIGHT-IN AREA**

FROM  
134/10 CW 314/10

TO  
YALMI

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>
7.TOWER (13-002219)	305953.00N/0840923.00W	715	500	50	5D	1000				AT785	2500
8.TERRAIN	310251.00N/0840512.00W	334 (300)								AS1500	1800

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT**  
MOULTRIE MUNI

**AIRPORT ID**  
KMGR

**PROCEDURE NAME**  
RNAV (GPS) RWY 4

**AMDT NO.**  
2

**CITY**  
MOULTRIE

**STATE**  
GA

**AIRPORT ELEVATION**  
298

**FACILITY**  
RNAV

**INTERMEDIATE**

**FROM**  
YALMI (IF/IAF)

**TO**  
ZOLGU

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**  
6.63

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
9.TOWER (13-109559)	310037.88N/0835252.04W	635	20	3	1A	500				AT865	2000
10.TERRAIN	305527.00N/0835645.00W	291 (300)								AS1500	1800

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

FINAL: LPV

**FROM**  
ZOLGU

**TO**  
RW04

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**  
5.29  
DA                      250

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
11.TREE (13-123520)	310439.42N/0834838.15W	327	20	3	1A		34:1				539

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



FINAL: LNAV/VNAV

FROM ZOLGU TO RW04

RNP DISTANCE PAT MAP HAT HMAS  
5.29 DA 263

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
12.TREE (13-123496)	310424.38N/0834925.79W	391	20	3	1A	161					552

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM ZOLGU TO JELGU/1.65 NM TO RW04

RNP DISTANCE PAT MAP HAT HMAS  
3.64

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
13.AAO	310209.07N/0835122.08W	480	50	20	2C	250				RA89 DG21	840

COMPUTATIONS

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

SEGMENT REMARKS:





**FINAL: LNAV STEPDOWN**

**FROM** JELGU/1.65 NM TO RW04 **TO** RW04

<b>RNP</b>	<b>DISTANCE</b>	<b>PAT</b>	<b>MAP</b>	<b>HAT</b>			<b>HMAS</b>						
	1.65		RW04			371							
<b>OBSTRUCTION</b>	<b>COORDINATES</b>		<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>	
12.TREE (13-123496)	310424.38N/0834925.79W		391	20	3	1A	250					660	

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

HOLD-IN-LIEU OF PT

**FROM** YALMI **TO** P-5

<b>RNP</b>	<b>DISTANCE</b>	<b>PAT</b>	<b>MAP</b>	<b>HAT</b>			<b>HMAS</b>					
		P-5										
<b>OBSTRUCTION</b>	<b>COORDINATES</b>		<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
3.TOWER (13-001211)	304908.60N/0835948.30W		776	50	20	2C	1000				AT724	2500
14.TERRAIN	304827.00N/0840021.00W		338 (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 : LPV**

**FROM** TO  
DA TUMVY

**RNP**      **DISTANCE**      **PAT**      **MAP**      **HAT**      **HMAS**  
343

<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				2500
15.TOWER (13-002586)	311056.00N/0834542.00W	597	500	50	5D						1600
16.TERRAIN	311454.00N/0834148.00W	354								AS1500	1900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**MISSED APPROACH : LNAV/VNAV**

**FROM** TO  
DA TUMVY

**RNP**      **DISTANCE**      **PAT**      **MAP**      **HAT**      **HMAS**  
391

<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				2500
15.TOWER (13-002586)	311056.00N/0834542.00W	597	500	50	5D						1600
16.TERRAIN	311454.00N/0834148.00W	354								AS1500	1900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**MISSED APPROACH : LNAV**

**FROM** RW04 **TO** TUMVY

<b>RNP</b>	<b>DISTANCE</b>	<b>PAT</b>	<b>MAP</b>	<b>HAT</b>			<b>HMAS</b> 560					
<b>OBSTRUCTION</b>	<b>COORDINATES</b>		<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
								ASC				2500
15.TOWER (13-002586)	311056.00N/0834542.00W		597	500	50	5D						1600
16.TERRAIN	311454.00N/0834148.00W		354								AS1500	1900

**COMPUTATIONS**

**N/A**    **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

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>RADIUS</b>	<b>HAA</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
<b>CATEGORY A</b>											
17.TREE (13-123610)	310610.66N/0834731.37W	1.30	422	408	20	3	1A	300			720
<b>CATEGORY B</b>											
18.TREE (13-123457)	310658.60N/0834709.33W	1.82	462	421	20	3	1A	300		HAA	760
<b>CATEGORY C</b>											
19.TOWER (13-003535)	310754.70N/0834648.90W	2.85	562	549	50	20	2C	300			860
<b>CATEGORY D</b>											
20.TOWER (13-000355)	310903.00N/0834834.00W	3.72	782	721	250	50	4D	300		AC50	1080

**CIRCLING REMARKS:**



AIRPORT  
MOULTRIE MUNI

AIRPORT ID  
KMGR

PROCEDURE NAME  
RNAV (GPS) RWY 4

AMDT NO.  
2

CITY  
MOULTRIE

STATE  
GA

AIRPORT ELEVATION  
298

FACILITY  
RNAV

CENTER

RADIUS

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100 FT. VEGETATION USED PER FPT.



**AIRPORT**  
MOULTRIE MUNI

**AIRPORT ID**  
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RNAV (GPS) RWY 4

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MOULTRIE

**STATE**  
GA

**AIRPORT ELEVATION**  
298

**FACILITY**  
RNAV

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

ZJX ARTCC, VLD APP CON, MCN FSS

**WX SERVICE**

AWOS

**LOCATION**

KMGR

**HRS OPERATION**

24

**ALTIMETER SOURCE**

KMGR

**DISTANCE**

0

**SERVICE-A**

Y

**ADJUSTMENTS**

0

**BACK-UP WX SERVICE**

ASOS

**LOCATION**

KVLD

**HRS OPERATION**

24

**ALTIMETER SOURCE**

KVLD

**DISTANCE**

32.69

**SERVICE-A**

Y

**ADJUSTMENTS**

89

**WX REMARKS:**

RASS PRESSURE PATTERNS THE SAME KMGR 298, KVLD 203 RA = 88.5.

**PRIMARY NAVAID**

**MONITOR POINT**

**HRS OPERATION**

**CAT**

<b>APPROACH AND RUNWAY LIGHTING SYSTEM</b>	<b>RUNWAY MARKINGS</b>	<b>RUNWAY VISUAL RANGE</b>
RW16	BSC-G	
RW34	BSC-G	
RW04 - MIRL (PCL), PAPI-2L	NPI-G	
RW22 - MIRL (PCL)	NPI-G	

**GLIDESLOPE ANGLE**

3.00

**ELEV RWY THRESHOLD**

269.1

**TCH**

45.0

**ELEV GS ANTENNA**

**DISTANCE FROM RWY**

**VGSI ANGLE**

3.00

**TCH**

45.0

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD

FT FROM THRESHOLD

DISPLACED THRESHOLD DISTANCE

ON CENTERLINE

FT FROM CENTERLINE

**CRITICAL TEMPERATURES**

**CRITICAL LOW**

-15C

**CRITICAL HIGH**

+54C

**ACT**

-15C

**APT ISA**

+14.41C

**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION. CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 959 HIGH TEMP 1265.



**"VISUAL PORTION OF FINAL" PENETRATIONS**

Final Type	CIRCLING RWY 16	
20:1		
377 TREE (13-123374) 310525.11N/0834820.33W (58.71)	389 TREE (13-124122) 310528.30N/0834822.35W (52.53)	
370 TREE (13-123957) 310528.89N/0834816.59W (39.6)	331 TREE (13-123813) 310521.73N/0834818.44W (31.59)	
341 TREE (13-124186) 310526.13N/0834814.61W (26.69)	354 TREE (13-123653) 310527.39N/0834820.90W (24.06)	
370 TREE (13-123453) 310532.82N/0834816.16W (21.69)	342 TREE (13-123378) 310527.19N/0834816.10W (20.39)	
379 TREE (13-123526) 310532.99N/0834822.43W (20.24)	363 TREE (13-124147) 310531.87N/0834818.03W (16.3)	
355 TREE (13-123992) 310530.31N/0834817.71W (16.17)	370 TREE (13-124107) 310533.43N/0834820.20W (12.59)	
347 TREE (13-123508) 310529.13N/0834820.04W (10.16)	372 TREE (13-123355) 310533.17N/0834824.54W (9.15)	
321 TREE (13-123966) 310525.63N/0834814.74W (8.85)	373 TREE (13-123524) 310535.64N/0834818.49W (7.78)	
382 TREE (13-123408) 310535.99N/0834823.74W (7.05)	379 TREE (13-123543) 310535.00N/0834825.08W (6.67)	
333 TREE (13-123856) 310527.44N/0834818.85W (5.98)	379 TREE (13-123516) 310537.33N/0834820.32W (2.98)	
369 TREE (13-123789) 310534.53N/0834823.19W (1.8)	352 TREE (13-123657) 310531.02N/0834823.13W (1.48)	

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

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

**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CONTINGENCY ALTIMETER NOTE FOR MOULTRIE MUNI: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VALDOSTA RGNL ALTIMETER SETTING AND INCREASE LPV DA TO 628 FEET, LNAV/VNAV DA TO 641 FEET, AND ALL MDAS 100 FEET; INCREASE LNAV CATS C AND D VISIBILITY 3/8 SM, CIRCLING CAT C VISIBILITY 1/4 SM, AND CAT D VISIBILITY 1/2 SM.

BARO-VNAV AND VDP NA WHEN USING VALDOSTA RGNL ALTIMETER SETTING.  
TAA DEVELOPED PER FPT REQUEST.

ORDER 8260.3 CHAPTER 2 APPLIED TO 635 TOWER (13-109559) 310037.88N/0835252.04W.

ORDER 8260.3, VOLUME 1, 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**

<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1000FT POINT</b>	<b>3.10</b>
<b>WIDTH OF</b>	<b>FINAL</b>	<b>SEGMENT AT 1000FT POINT</b>	<b>1.20</b>
<b>TRUE COURSE OF</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	<b>038.84</b>
<b>HIGH TERRAIN IN</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	<b>300</b>
<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1500FT POINT</b>	<b>4.89</b>
<b>WIDTH OF</b>	<b>FINAL</b>	<b>SEGMENT AT 1500FT POINT</b>	<b>1.76</b>
<b>TRUE COURSE OF</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	<b>038.84</b>
<b>HIGH TERRAIN IN</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	<b>300</b>

**THRESHOLD  
COORDINATES** 310449.78N/0834834.17W  
**(IF STR-IN)**

**ARP COORDINATES** 310508.08N/0834810.11W

**RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP** RUNWAY 22 DISTANCE 0.54 NM

**FAF  
COORDINATES** 310041.86N/0835226.14W

**FIX NAME  
COORDINATES**

**REMARKS**  
TAA: YALMI (IF/IAF): 305531.24N/0835716.12W; 30 NM RADIUS.



AIRPORT  
MOULTRIE MUNI

AIRPORT ID  
KMGR

PROCEDURE NAME  
RNAV (GPS) RWY 4

AMDT NO.  
2

CITY  
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STATE  
GA

AIRPORT ELEVATION  
298

FACILITY  
RNAV

**PART E: PREPARED BY**

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DONALD H. LANIER (KEITH W JONES)	AJV-A431	07/31/2019	AERONAUTICAL INFORMATION SPECIALIST