Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 03/13/2012	Task #: 2011102622611812002	Request #: 20111026226118
Procedure: RNAV (GPS) RWY 31 AMDT 1		Airport ID: KLUL	Airport: HESLER-NOBLE FIELD		Reimbursable #:
City: LAUREL	ST: MS	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID:	Fac. Type: LPV	Specialist: JOHN LINDSEY(Contractor)			

LPV

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	06/29/2012	09/17/2012	JOHN LINDSEY	
QA:	09/17/2012	09/19/2012	DAVID PUGLISI	
Liaison:	09/19/2012		Spurlin	

P3

Procedure Comments: **Remark Type:** INFORMATION

Pkg 2 of 3

LAUREL, MS HESLER-NOBLE FIELD (KLUL) RNAV (GPS) RWY 31, AMDT 1 (LPV) ENROUTE-NO FC: 11.27.12 PUB: 1.10.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): GULCO, REV 2; IPAXE, ORIG; OPUYA, ORIG; TUGKU, ORIG.

CONTACT: DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036 / 405.954.3636.

WAAS CH 86404 W31A	APP CRS 315°	Rwy ldg 5513 THRE 234 Apt Elev 238

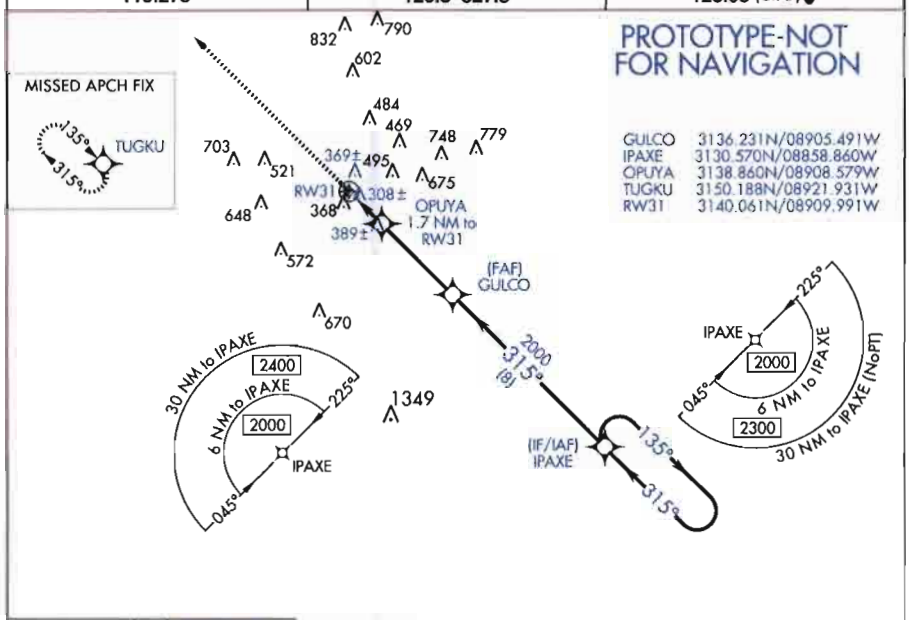
RNAV (GPS) RWY 31
LAUREL/HESLER-NOBEL FIELD (LUL)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Baro-VNAV NA when using Hattiesburg-Laurel Rgnl altimeter setting. When local altimeter setting not received, use Hattiesburg-Laurel Rgnl altimeter setting and increase all DA 43 feet and all MDA 60 feet; increase LPV all Cats visibility ½ mile, LNAV/VNAV all Cats and LNAV Cat C and D visibility ¼ mile.

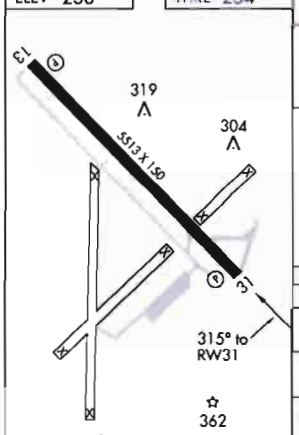
NA

MISSED APPROACH: Climb to 2000 direct TUGKU and hold.

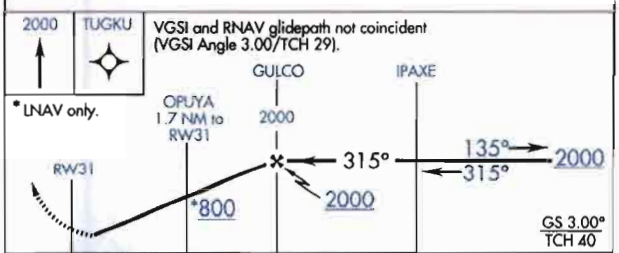
AWOS-3	HOUSTON CENTER	UNICOM
119.275	126.8 327.8	123.05 (CTAF)



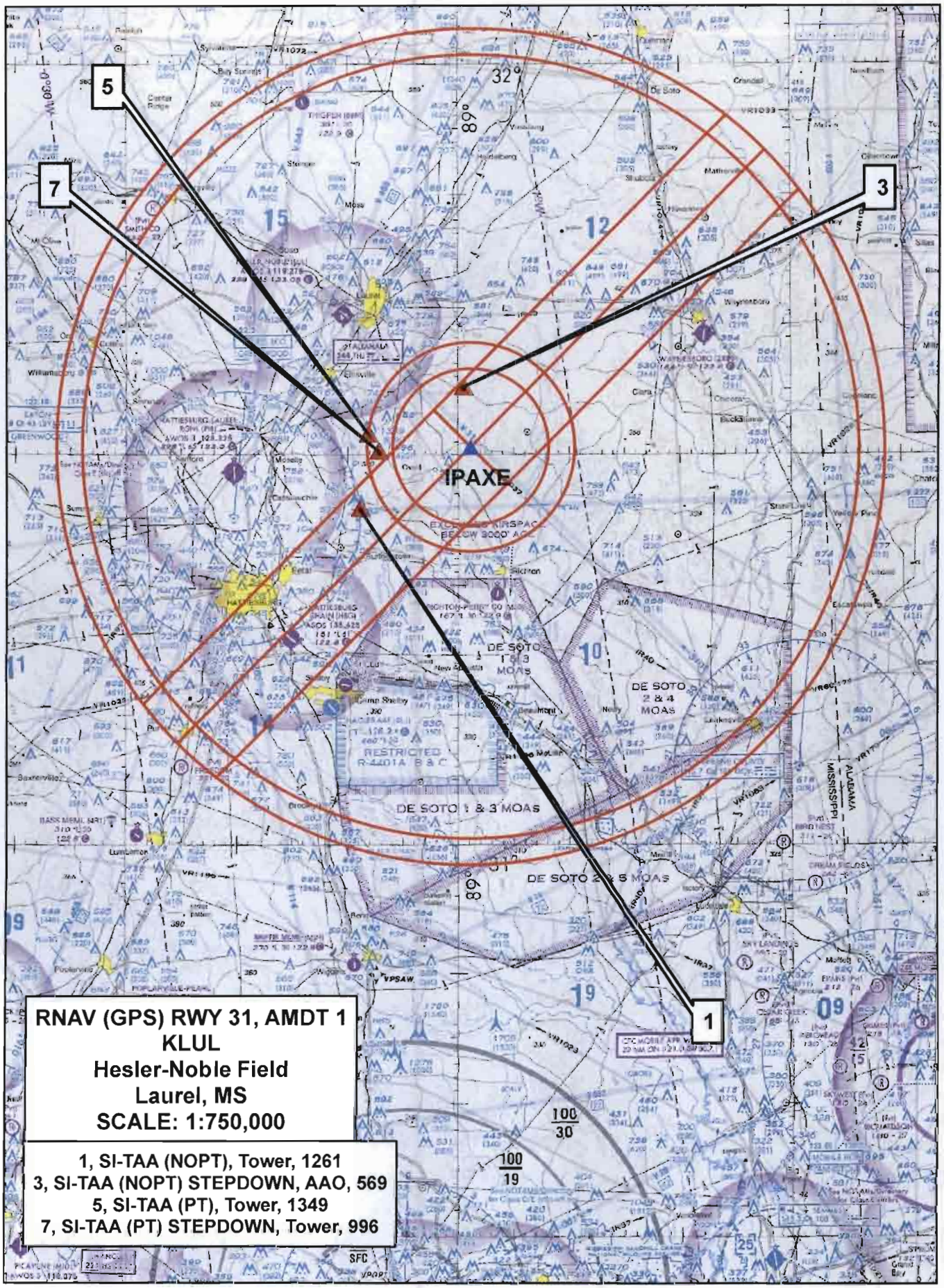
ELEV 238 THRE 234

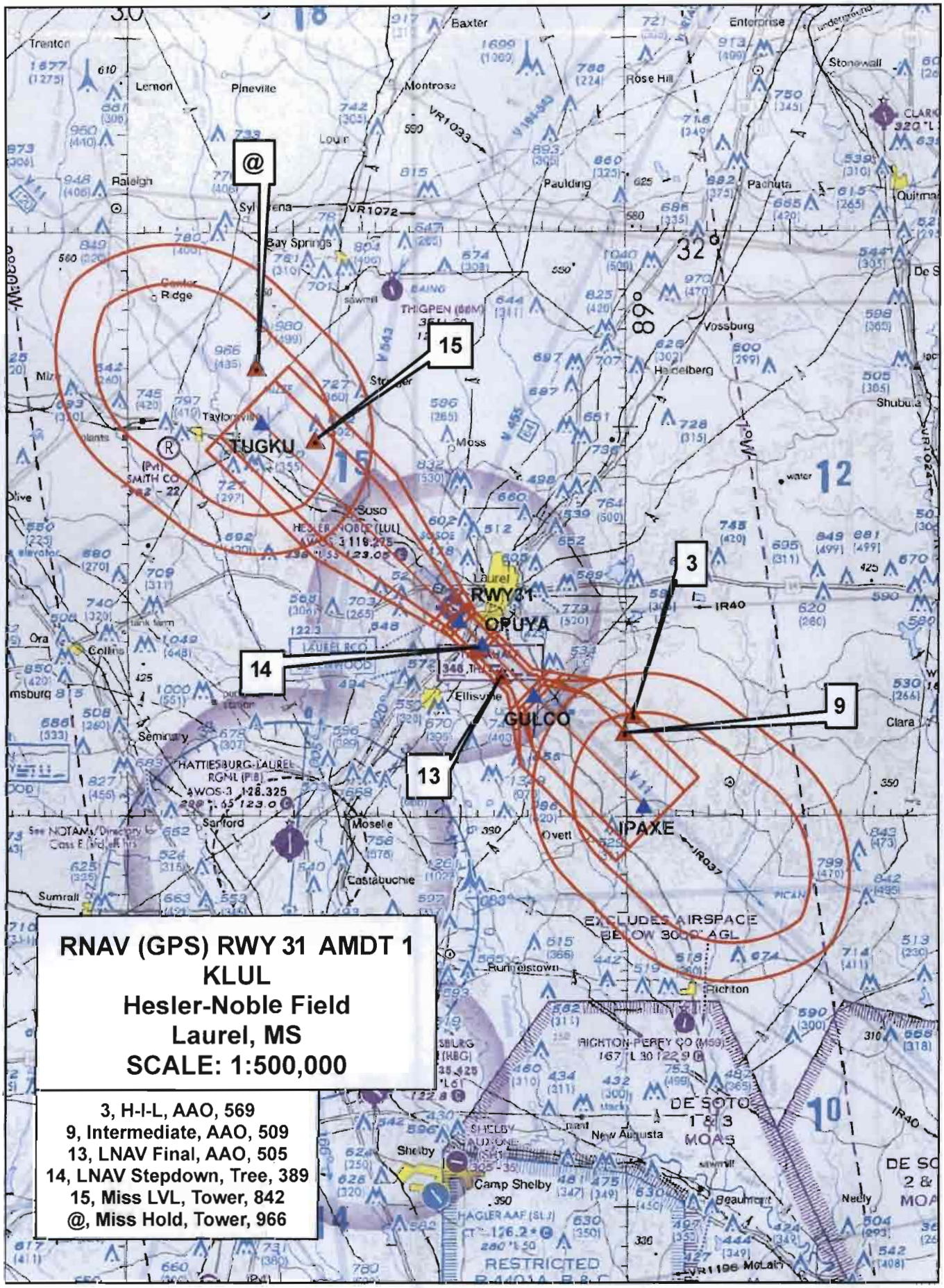


REIL Rwy 13
HIRL Rwy 13-31



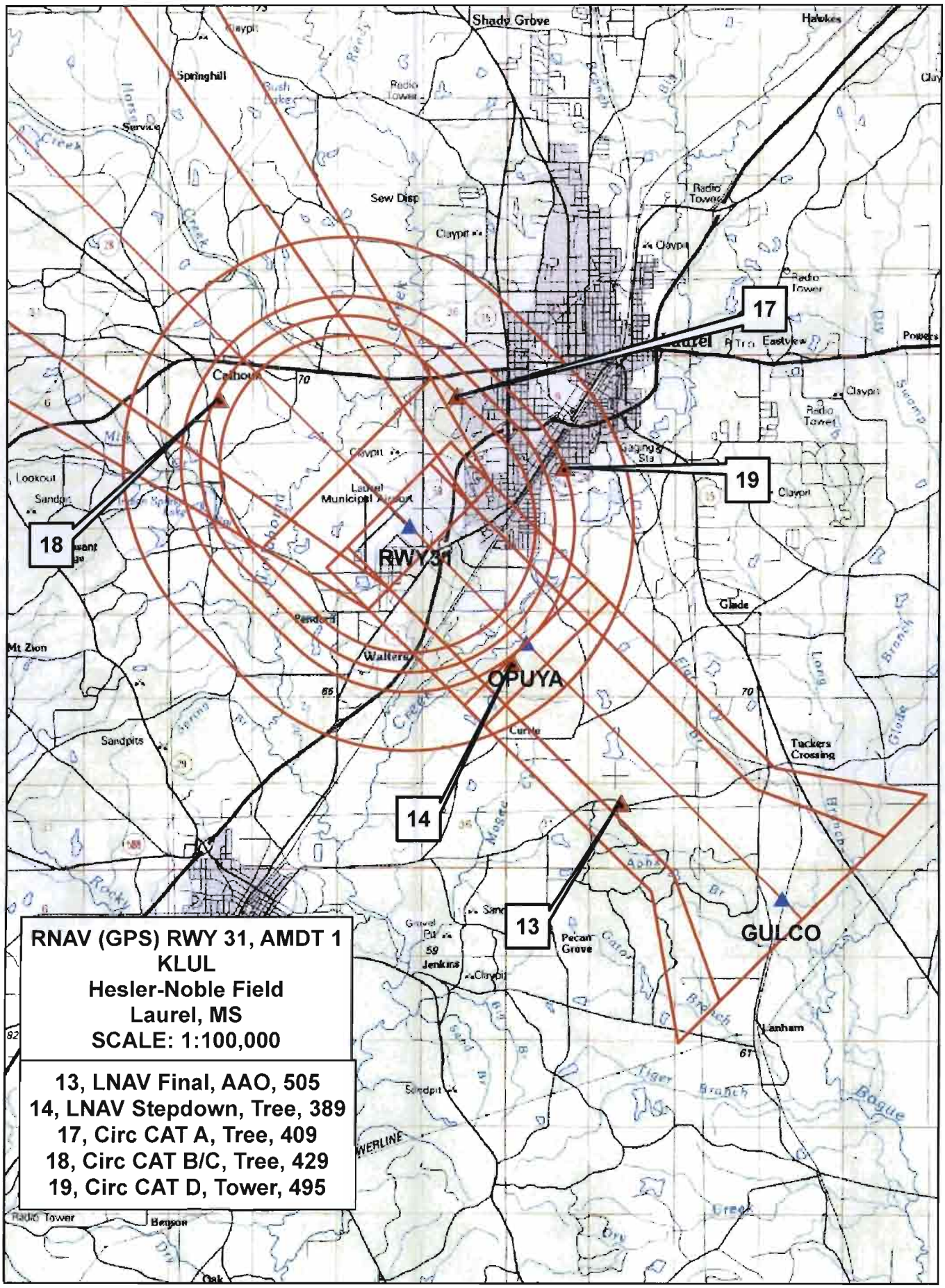
CATEGORY	A	B	C	D
LPV DA	520-1 286 (300-1)			
LNAV/VNAV DA	550-1 316 (400-1)			
LNAV MDA	640-1 406 (500-1)		640-1⅛ 406 (500-1⅛)	
CIRCLING	720-1 482 (500-1)	740-1 502 (600-1)	740-1½ 502 (600-1½)	800-2 562 (600-2)

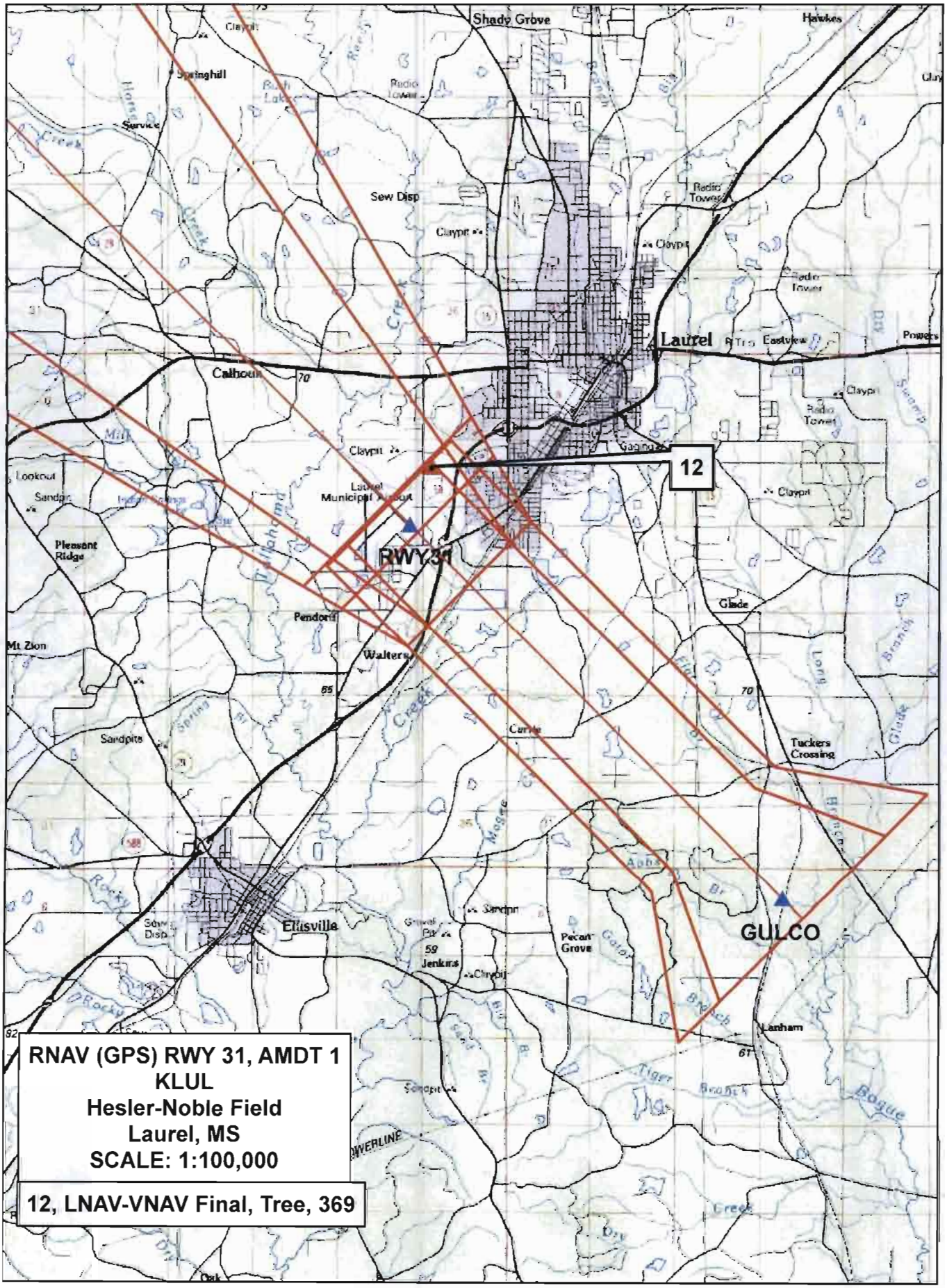

5
7
3
1
IPAXE
DE SOTO 1 & 3 MOAS
DE SOTO 2 & 4 MOAS
RESTRICTED R-4201A, B & C
DE SOTO 1 & 3 MOAS
DE SOTO 2 & 5 MOAS
ALABAMA
MISSISSIPPI
RNAV (GPS) RWY 31, AMDT 1
KLUL
Hesler-Noble Field
Laurel, MS
SCALE: 1:750,000
1, SI-TAA (NOPT), Tower, 1261
3, SI-TAA (NOPT) STEPDOWN, AAO, 569
5, SI-TAA (PT), Tower, 1349
7, SI-TAA (PT) STEPDOWN, Tower, 996



RNAV (GPS) RWY 31 AMDT 1
KLUL
Hesler-Noble Field
Laurel, MS
SCALE: 1:500,000

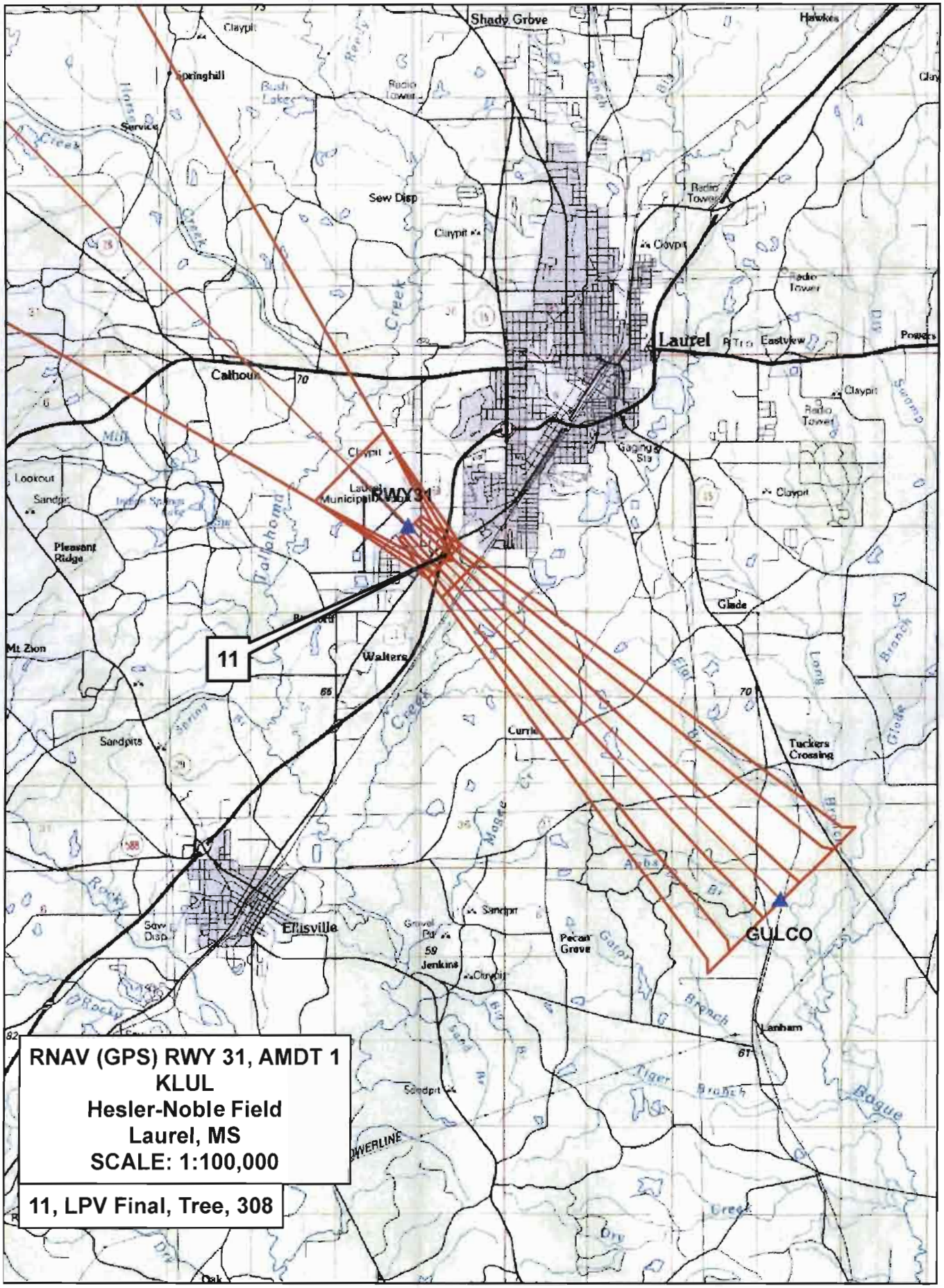
3, H-I-L, AAO, 569
9, Intermediate, AAO, 509
13, LNAV Final, AAO, 505
14, LNAV Stepdown, Tree, 389
15, Miss LVL, Tower, 842
@, Miss Hold, Tower, 966


RNAV (GPS) RWY 31, AMDT 1
KLUL
Hesler-Noble Field
Laurel, MS
SCALE: 1:100,000
13, LNAV Final, AAO, 505
14, LNAV Stepdown, Tree, 389
17, Circ CAT A, Tree, 409
18, Circ CAT B/C, Tree, 429
19, Circ CAT D, Tower, 495
RWY31
OPUYA
GULCO
13
14
17
18
19
Shady Grove
Springhill
Sew Disp
Calhoun
Laurel Municipal Airport
Walters
Pendorn
Mt Zion
Sandpits
Curtis
Glade
Tuckers Crossing
Pecan Grove
Jenkins
Lanham
Eastview
Powers
Hawkes
Radio Tower
Clayport
Lookout
Sandpit
Beason
Oak



RNAV (GPS) RWY 31, AMDT 1
KLUL
Hesler-Noble Field
Laurel, MS
SCALE: 1:100,000

12, LNAV-VNAV Final, Tree, 369


RNAV (GPS) RWY 31, AMDT 1
KLUL
Hesler-Noble Field
Laurel, MS
SCALE: 1:100,000
11, LPV Final, Tree, 308
11
RWY31
GULCO
Laurel
Shady Grove
Calhoun
Ellisville
Walters
Sew Disp
Claypit
Radio Tower
Eastview
Powers
Glade
Tuckers Crossing
Pecan Grove
Jenkins
Lanham
Pleasant Ridge
Mt Zion
Lookout
Sandpits
Sandpit
Hawkes
Springhill
Service
Bush Lake
Gaging Sta
Currie
Tallahoma
Creek
Long Branch
Tiger Branch
Bogue
Rocky
Mill
Swamp
Dry
Oak

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR 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.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IPAXE (IF/IAF)	GULCO (FB)	314.94 / 8.00	2000
GULCO (FAF)	OPUYA/1.70 NM TO RW31 (FB)	314.88 / 3.72	
OPUYA/1.70 NM TO RW31	RW31 (MAP) (FO)	314.88 / 1.70	
RW31 (MAP)	520 MSL	314.88	
520 MSL	TUGKU (FO)		2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 2000 DIRECT TUGKU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 134.73 INBOUND.
CHART FAS OBST: 369 TREE 314039N/0890944W
CHART FAS OBST: 389 TREE 313839N/0890845W
DISTANCE TO THLD FROM 286 HATH: 0.77 NM.
WAAS CHANNEL # 86404
REFERENCE PATH ID: W31A
LTP HAE: 45.1 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE IPAXE, RT, 314.94 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 314.88 FAF: GULCO DIST FAF TO MAP: 5.42 THLD: 5.42
4. MIN. ALT: IPAXE 2000, GULCO 2000, OPUYA/1.70 NM TO RW31 800*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: GULCO 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 0E EPOCH YEAR: 2000

MINIMUMS

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

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
LPV DA	520	1	286	520	1	286	520	1	286	520	1	286			
LNAV/VNAV DA	550	1	316	550	1	316	550	1	316	550	1	316			
LNAV MDA	640	1	406	640	1	406	640	1 1/8	406	640	1 1/8	406			
CIRCLING	720	1	482	740	1	502	740	1 1/2	502	800	2	562			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 238 THRE: 234 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LAUREL, MS	HESLER-NOBLE FIELD	RNAV	RNAV (GPS) RWY 31, AMDT 1	AMDT: ORIG
				DATED 07/05/2007

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] ZHU, ZME, AMGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: DONALD E. SMITH (JOHN R. LINDSEY)	FIFO AJV-352	DATE: 08/16/2012
APPROVED BY		
NAME: DARRYEL ADAMS MANAGER	FIFO AJV-352	DATE:

CHANGES:

1. REMOVED VDP AND ASSOCIATED NOTE.
2. CHANGED REMOTE ALTIMETER SETTING CHART NOTE FROM "IF" TO READ "WHEN", CHANGED "ALL DAS/MDAS 60 FEET" TO READ "ALL DA 43 FEET AND ALL MDA 60 FEET" AND ADDED "INCREASE LPV ALL CATS VISIBILTY 1/8 MILE, LNAV/VNAV ALL CATS AND LNAV CAT C AND D VISIBILITY 1/4 MILE.".
3. REMOVED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LBY VORTAC VIA V455 SOUTHWEST BOUND.
4. REMOVED FEEDERS AND INITIAL ROUTES.
5. REMOVED MSA AND ADDED TAA.
6. REPLACED CHARTING OF TDZE 238 WITH THRE 234.
7. ADDED OPUYA AS LNAV FINAL STEPDOWN FIX.
8. CHANGED THE MISSED APPROACH CLEARANCE LIMIT FROM FEMON TO TUGKU.
9. INTERMEDIATE SEGMENT LENGTH CHANGED FROM 6.1 TO 8 NM.
10. MISSED APPROACH HOLD ALTITUDE CHANGED FROM 3000 TO 2000.
11. IF/IAF NAME CHANGED FROM LUJUZ TO IPAXE.
12. CHANGED THE BARO-VNAV CRITIAL HIGH TEMP FROM 48 C (118 F) TO 54 C (130 F).
13. CHANGED LPV MINIMUMS FROM 581 - 1 1/4 - 343 TO 520 - 1 - 286.

SEE 8260-10

REASONS:

1. UNABLE TO VERIFY NEW VGSI DATA PER FPT.
2. NEW CALCULATIONS.
3. NO LONGER NEEDED.
4. REPLACED WITH TAA.
5. FPT REQUEST.
6. IAW 8260.19E PARA 8-58.
7. TO GAIN LOWEST POSSIBLE MINIMA PER CRITERIA AND OBSTACLE ANALYSIS.
8. FEMON FIX COORDINATES MOVED OVER 1 NM CAUSING NAME CHANGE REQUIREMENT.
9. REQUIRED MINIMUM LENGTH.
10. FPT REQUEST.
11. FIX COORDINATES MOVED OVER 1 NM CAUSING NAME CHANGE REQUIREMENT.
12. NEW VALUES.

13-16. NEW CONTROLLING OBSTACLES, PIT TEAM AND FPT APPROVED.

17. IAW 8260.45.

SEE 8260-10

QUALITY 2 CHECKED

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NOTES, (CONT.):
CHART NOTE: BARO-VNAV NA WHEN USING HATTIESBURG-LAUREL RGNL ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HATTIESBURG-LAUREL RGNL ALTIMETER SETTING AND INCREAE ALL DA 43 FT AND ALL MDA 60 FEET; INCREASE LPV ALL CATS VISIBILTY 1/8 MILE, LNAV/VNAV ALL CATS AND LNAV CAT C AND D VISIBILITY 1/4 MILE.
***LNAV ONLY**

TAA

	FROM	TO	ALT
1.	225/30 CW 045/30 (NOPT)	225/6 CW 045/6	2300
2.	225/6 CW 045/6	IPAXE (IF/IAF) (FB)	2000
3.	045/30 CW 225/30	045/6 CW 225/6	2200
4.	045/6 CW 225/6	IPAXE (IF/IAF) (FO)	2000

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 238 THRE: 234	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAUREL, MS	AIRPORT NAME: HESLER-NOBLE FIELD	RNAV	RNAV (GPS) RWY 31, AMDT 1	AMDT: ORIG
				DATED: 07/05/2007

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

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:

CHANGES CONT.
14. CHANGED LNAV/VNAV MINIMUMS FROM 638 - 1 1/2 - 400 TO 550 - 1 - 316. 15. CHANGED LNAV CAT A/B MINIMUMS FROM 620 - 1 - 382 TO 640 - 1 - 406, CAT C MINIMUMS FROM 620 - 1 - 832 TO 640 - 1 1/8 - 406 AND CAT D MINIMUMS FROM 620 - 1 1/4 - 382 TO 640 - 1 1/8 - 406. 16. CHANGED CIRCLING CAT A MINIMUMS FROM 680 - 1 - 442 TO 720 - 1 - 482, CAT B MINIMUMS FROM 700 - 1 - 462 TO 740 - 1 - 502, CAT C MINIMUMS FROM 700 - 1 1/2 - 462 TO 740 - 1 1/2 - 502. 17. ADDED HOLD-IN-LIEU AT IF AND MADE IF/IAF. 18. REMOVED CHART PROFILE NOTE: PROCEDURE TURN NA.

REASONS:

REASONS CONT.
18. NO LONGER NEEDED.

PDF EDITS:
8260-3:
CHANGED GULCO TO READ GULCO (FAF) INTERMINAL ROUTES BLOCK.
REMOVED 520 FROM CA LEG OF MISSED APPROACH AND 800* FROM FAF TO STEPDOWN LEG IN TERMINAL ROUTES BLOCK.
8260-10:
REMOVED RNP 2 FROM THE MISSED APPROACH SEGMENTS.

QUALITY 2 CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLUL
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	314003.6660N
LTP/FTP LONGITUDE	0890959.4500W
LTP/FTP ELLIPSOIDAL HEIGHT	+00451
FPAP LATITUDE	314106.6210N
FPAP LONGITUDE	0891113.4955W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	025BBE7F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00714
FPAP ORTHOMETRIC HEIGHT	+00714

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 238 THRE: 234	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAUREL, MS	AIRPORT NAME: HESLER-NOBLE FIELD	RNAV	RNAV (GPS) RWY 31, AMDT 1	AMDT: ORIG
				DATED: 07/05/2007

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

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:

QUALITY CHECKED 2

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
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   GULCO K70    W     N31361383W089052948                     W0012     NAR           GULCO
        SUSAEAENRT   IPAXE K70    W     N31303422W088585161                     W0012     NAR           IPAXE
        SUSAEAENRT   OPUYA K70    W     N31385158W089083472                     W0011     NAR           OPUYA
        SUSAEAENRT   TUGKU K70    W     N31501125W089215588                     W0010     NAR           TUGKU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLULK7ALUL     0     055YHN31402290W089102210E000000238         1800018000C    MNAR    HESLER-NOBLE FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLULK7FR31   AIPAXE 010IPAXEK7EA0EE AR   HF                     31490040    + 02000     18000                A JS
        SUSAP KLULK7FR31   R      010IPAXEK7EA0E  I    IF                                 + 02000     18000                A JS
        SUSAP KLULK7FR31   R      020GULCOK7EA1E  F 051TF                     31490080    + 02000                          A JS
        SUSAP KLULK7FR31   R      020GULCOK7EA2WALPV       ALNAV/VNAV ALNAV                                                 JS
        SUSAP KLULK7FR31   R      021OPUYAK7EA0E S  031TF                     31490037    V 0080000816        -300         A JS
        SUSAP KLULK7FR31   R      030RW31 K7PG0GY M 031TF                     31490017      00274             -300         A JS
        SUSAP KLULK7FR31   R      040         0  M     CA                     3149        + 00520                          A JS
        SUSAP KLULK7FR31   R      050TUGKUK7EA0EY      DF                                 + 02000                          A JS
        SUSAP KLULK7FR31   R      060TUGKUK7EA0EE  R   HM                     13470040    + 02000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLULK7GRW31    0055133148 N31400367W089095945-0100    +0045100234000040150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLULK7PR31   RW31 001 0000W31A0N3140036660W08909594500+004510300N3141066210W089111349551067510720004 00F400500025BBE7F
        SUSAP KLULK7PR31   RW31 002E      +00714+00714LPV       86404
```

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 238 THRE: 234	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAUREL, MS	AIRPORT NAME: **HESLER-NOBLE FIELD**	**RNAV**	**RNAV (GPS) RWY 31, AMDT 1**	AMDT: **ORIG**
				DATED: **07/05/2007**

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

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
	IPAXE	IPAXE	010	IAF	HF	R	FO		314.9(314.9T)	004.0	AA 02000	
		IPAXE	010	FACF	IF		FB				AA 02000	
		GULCO	020	FAF	TF		FB	0.5	314.9(314.9T)	008.0	AA 02000	
		OPUYA	021	SDF	TF		FB	0.3	314.9(314.9T)	003.7	AA 00800 GS 00816	
		RW31	030	MAP	TF		FO	0.3	314.9(314.9T)	001.7	AT 00274	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		314.9(314.9T)		AA 00520	
	TUGKU	050		DF		FO				AA 02000	
	TUGKU	060		HM	R	FO		134.7(134.7T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GULCO	N313613.83	W0890529.48	N3136.231	W08905.491
	IPAXE	N313034.22	W0885851.61	N3130.570	W08858.860
	OPUYA	N313851.58	W0890834.72	N3138.860	W08908.579
	TUGKU	N315011.25	W0892155.88	N3150.188	W08921.931
	RW31	N314003.67	W0890959.45	N3140.061	W08909.991

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	00234	40

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 238 THRE: 234	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAUREL, MS	AIRPORT NAME: HESLER-NOBLE FIELD	RNAV	RNAV (GPS) RWY 31, AMDT 1	AMDT: ORIG
				DATED: 07/05/2007

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

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.
STRAIGHT-IN AREA	225/30 CW 045/30	225/6 CW 045/6	1. TOWER (28-001559)	312553.00N/0890852.00W	1261 (2D)	1000		2300
			2. TERRAIN	314357.00N/0882457.00W	437 (400)		AS1500	1900
STRAIGHT-IN AREA	245/6 CW 045/6	IPAXE	3. AAO	313512.80N/0885933.90W	569 (2C)	1000	AT431	2000
			4. TERRAIN	313512.80N/0885933.90W	369 (400)		AS1500	1900
STRAIGHT-IN AREA	045/30 CW 245/30	045/6 CW 245/6	5. TOWER (28-000835)	313136.00N/0890810.00W	1349 (3D)	1000		2400
			6. TERRAIN	320000.00N/0890000.00W	607 (600)		AS1500	2100
STRAIGHT-IN AREA	045/6 CW 245/6	IPAXE	7. TOWER (28-020102)	313015.64N/0890712.58W	996 (1C)	1000		2000
			8. TERRAIN	313030.00N/0890706.00W	378 (400)		AS1500	1900
INTERMEDIATE	IPAXE (IF/IAF)	GULCO	9. AAO	313418.00N/0890003.00W	509 (2A)	500	AT991	2000
			10. TERRAIN	313418.00N/0890003.00W	309 (300)		AS1500	1800
FINAL: LPV	GULCO	RW31	11. TREE (KLULT059)	313946.57N/0890932.60W	308 (2C)	34:1	AC20	520/286
FINAL: LNAV/VNAV	GULCO	RW31	12. TREE	314039.43N/0890944.43W	369 (2C)	23.44:1	AC20	550/316
FINAL: LNAV	GULCO	OPUYA/1.70 NM TO RW31	13. AAO	313712.96N/0890726.66W	505 (2C)	250	RA43	800
2. HOLD-IN-LIEU-OF-PT	IPAXE	P-4	3. AAO	313512.80N/0885933.90W	569 (2C)	1000	AT431	2000
			4. TERRAIN	313512.80N/0885933.90W	369 (400)		AS1500	1900
3. MISSED APPROACH MAP:	DA / DA / RW31	TUGKU				ASC		2000
			15. TOWER (28-001196)	314918.00N/0891837.00W	842 (5D)	1000		1900
ELEV:	318/389/540		16. TERRAIN	314352.22N/0891619.81W	359 (400)		AS1500	1900

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	482	17. TREE	314123.42N/0890925.81W	409 (2C)	300		720
CATEGORY B	1.5 NM	450	502	18. TREE	314121.36N/0891216.98W	429 (2C)	300		740
CATEGORY C	1.7 NM	450	502	18. TREE	314121.36N/0891216.98W	429 (2C)	300		740
CATEGORY D	2.3 NM	550	562	19. TOWER (28-002144)	314038.74N/0890805.51W	495 (1A)	300		800
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

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LAUREL, MS	ELEVATION: 238 AIRPORT NAME: HESLER-NOBLE FIELD	RNAV	RNAV (GPS) RWY 31, AMDT 1	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZHU ARTCC ZME ARTCC GWO FSS	N W S / F A A / A / C — OTHER: AWOS-3	SOURCE: KLUL / KPIB DISTANCE: 0 / 14.93 HOURS REMOTE OPERATION: 0 / 24 HOUR BACKUP
SATISFACTORY ON: X V H F, X U H F, H F	LOCATION: KLUL	ADJUSTMENT: 0 / 43

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
	X	HIRL 31 (PCL), 13 (PCL)
		MIRL
	X	REIL 13 (PCL)
		TDZ
		C/LINE
	X	OTHER (SPECIFY) VASI-2L 13 PAPI-4L 31
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-G 31, 13
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 234.3
	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**

PART D - PREPARED BY: DONALD E. SMITH (JOHN R. LINDSEY)	DATE: 08/16/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

VDP NOT ESTABLISHED - UNABLE TO VERIFY VGSI DATA.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: VGSI REPLACED IN 2011, UNABLE TO VERIFY DATA PER FPT.

AVERAGE VEGETATION ASSUMED TO BE 100 FT PER EASTERN FPT.

3. KLUL AWOS III IS NOT ON SERVICE A. KPIB AWOS III ON SERVICE A.

RASS PRESSURE PATTERNS SAME
KLUL KPIB, 238.3 297.6
RA = 42.65.
SEE ATTACHED AIRSPACE LETTER.

TERPS VOLUME ONE, VISUAL PORTION OF FINAL PENETRATIONS:

34:1: 303 FT MSL TREE (KLULT063) 313952.87N-0890935.91W (9.55)

IAPA/IPDS EVALUATIONS SHOWED DTED GQS PENETRATIONS. MANUAL TERRAIN EVALUATION COMPLETED SHOWS NO GQS PENETRATIONS.

LPV SURFACE: 34:1
LNAV/VNAV SURFACE: 23.44:1
ISA DEVIATION: -30
NO HISTORICAL ACT DATA AVAILABLE, STANDARD -30 DEVIATION USED.

QUALITY CHECKED

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 STEPDOWN	**OPUYA/1.70 NM TO**	**RW31**	**14. TREE**	**313839.10N/0890844.85W**	**389 (2C)**	**250**		**640**
	RW31							

3. MISSED APPROACH									
	MAP:								
	ELEV:								

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.							
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL						
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

VALID 2 CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LAUREL, MS	**ELEVATION: 238** AIRPORT NAME: **HESLER-NOBLE FIELD**	**RNAV**	**RNAV (GPS) RWY 31, AMDT 1**	**ASO**

PART B - SUPPLEMENTAL DATA

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

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

QUALITY CHECKED 2

RADIO FIX AND HOLDING DATA RECORD

NAME: GULCO **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 313613.83N/0890529.48W **TYPE:** WP

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

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

REMARKS:
8260.54A PFAF FORMULA USED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 31			KLUL	LAUREL	MS (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:**

REASON FOR REVISION:
1. MOVED FIX 2357.58 FT SOUTHEAST AND UPDATED COORDINATES.
2. DELETED FAC 1.
3. CANCELLED HOLD PAT 1.
4. DELETED HOLDING LIMITED TO ESTABLISHED PATTERN REMARK.
5. UPDATED FIX USE.
6. ADDED 8260.54A PFAF FORMULA USED REMARK.

DEVELOPED BY: **DATE:** 08/16/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZHU, ZME
ATC FACILITY:
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: IPAXE **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 313034.22N/0885851.61W **TYPE:** WP

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

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	SE		WP	134.94	314.94	R		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	313512.80N/0885933.90W	569	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13		1	KLUL	LAUREL	MS (US)
IAP	RNAV (GPS) RWY 31		1	KLUL	LAUREL	MS (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/06/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZHU
ATC FACILITY:
OTHER: ZME

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OPUYA **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 313851.58N/0890834.72W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 31			KLUL	LAUREL	MS (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/06/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZHU
ATC FACILITY:
OTHER: ZME

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TUGKU **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 315011.25N/0892155.88W **TYPE:** WP

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

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	NW		WP	314.73	134.73	R		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (28-001344)	315308.00N/0892208.00W	966	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13		1	KLUL	LAUREL	MS (US)
IAP	RNAV (GPS) RWY 31		1	KLUL	LAUREL	MS (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/06/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZHU
ATC FACILITY:
OTHER: ZME

QUALITY 2 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **LAUREL** STATE: **MS**

AIRPORT NAME: **HESLER-NOBLE FIELD** ID: **KLUL**

PROCEDURE: **RNAV (GPS) RWY 31** 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 **3.22**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **314.88**
4. High Terrain in **FINAL** segment containing 1000' point **339**
5. Distance from **THLD** to 1500' point **5.02**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.76**
7. True Course of **FINAL** segment containing 1500' point **314.88**
8. High Terrain in **FINAL** segment containing 1500' point **339**
9. Threshold Coordinates (if straight-in) ... **314003.67N** / **0890959.45W**
10. ARP Coordinates ..... **314022.90N** / **0891022.10W**
11. Runway Approach End and distance furthest from ARP.....RWY **31**
    Distance **0.45** NM
12. FAF Coordinates ..... **313613.83N** / **0890529.48W**
    (Click to Select)

REMARKS: Approach/Drawing attached. IPAXE (IF/IAF) 313034.22N/0885851.61W, STRAIGHT-IN TAA

RADIO FIX AND HOLDING DATA RECORD

NAME: KEXTE **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 313544.55N/0885637.70W **TYPE:** WP

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

CANCELLED

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	LUJUZ					044.84	5.00				17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HESLER-NOBLE FIELD - RNAV (GPS) RWY 31.			KLUL	LAUREL	MS (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/05/2007

REASON FOR REVISION:
MOVED FIX LOCATION 1.12 NM SE TO ACHIEVE A 90 DEGREE TURN AT LUJUZ.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME, ZHU
ATC FACILITY:
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LUJUZ **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 313211.43N/0890045.38W **TYPE:** WP

CANCELLED

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	KLUL R31					134.84	11.13				17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HESLER-NOBLE FIELD - RNAV (GPS) RWY 31.			KLUL	LAUREL	MS (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/05/2007

REASON FOR REVISION:
MOVED FIX LOCATION 1.13 NM SE TO ALIGN WITH FINAL APPROACH COURSE.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZHU, ZME
ATC FACILITY:
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MEVQO **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 312838.18N/0890452.75W **TYPE:** WP

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

CANCELLED

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	LUJUZ					224.84	5.00				17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HESLER-NOBLE FIELD - RNAV (GPS) RWY 31.			KLUL	LAUREL	MS (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/05/2007

REASON FOR REVISION:
MOVED FIX 1.13 NM SE TO ACHIEVE A 90 DEGREE TURN AT LUJUZ INTERSECTION.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZHU, ZME
ATC FACILITY:
OTHER:

QUALITY 2 CHECKED