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 |
|---|---|---|---|
| TUGKU (IF/IAF) | EKLOW (FB) | 134.73 / 8.00 | 2000 |
| EKLOW (FAF) | OCOJY/1.80 NM TO RW13 (FB) | 134.79 / 3.64 | |
| OCOJY/1.80 NM TO RW13 | RW13 (MAP) (FO) | 134.79 / 1.80 | |
| RW13 (MAP) | 479 MSL | 134.79 | |
| 479 MSL | IPAXE (FO) | | 2000 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

CLIMB TO 2000 DIRECT IPAXE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 314.94 INBOUND.
CHART FAS OBST: 429 TREE 314121N/0891217W
600 AAO 314352N/0891619W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
WAAS CHANNEL # 45704
REFERENCE PATH ID: W13A
LTP HAE: 43.4 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW TUGKU, RT, 134.73 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 134.79 FAF: EKLOW DIST FAF TO MAP: 5.44 THLD: 5.44
4. MIN. ALT: TUGKU 2000, EKLOW 2000, OCOJY/1.80 NM TO RW13 840*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: EKLOW 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS 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 | 479 | 1 | 250 | 479 | 1 | 250 | 479 | 1 | 250 | 479 | 1 | 250 | | | |
| LNAV/VNAV DA | 750 | 1 3/4 | 521 | 750 | 1 3/4 | 521 | 750 | 1 3/4 | 521 | 750 | 1 3/4 | 521 | | | |
| LNAV MDA | 680 | 1 | 451 | 680 | 1 | 451 | 680 | 1 3/8 | 451 | 680 | 1 3/8 | 451 | | | |
| CIRCLING | 720 | 1 | 482 | 740 | 1 | 502 | 740 | 1 1/2 | 502 | 800 | 2 | 562 | | | |

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING HATTIESBURG-LAUREL RGNL ALTIMETER SETTING.
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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 238 THRE: 229 AIRPORT NAME: | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| LAUREL, MS | HESLER-NOBLE FIELD | RNAV | RNAV (GPS) RWY 13, 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: 08/13/2012 |
| **APPROVED BY** | | |
| NAME: DARRYEL ADAMS MANAGER | FIFO AJV-352 | DATE: |

CHANGES:

1. REMOVED CHART NOTE: VDP NA WHEN USING HATTIESBURG-LAUREL RGNL ALTIMETER SETTING.
2. REMOVED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BAING VIA V543 NORTHBOUND.
3. REMOVED FEEDER AND INITIAL ROUTES.
4. ADDED TAA.
5. REPLACED CHARTING OF TDZE 238 WITH THRE 229.
6. ADDED OCOJY AS LNAV FINAL STEPDOWN FIX.
7. REPLACED FEMON FIX NAME WITH TUGKU.
8. INTERMEDIATE SEGMENT LENGTH CHANGED FROM 6.1 TO 8 NM.
9. CHANGED THE BARO-VNAV CRITIAL HIGH TEMP FROM 48 C (118 F) TO 54 C (130 F).
10. CHANGED LPV MINIMUMS FROM 581 - 1 1/4 - 343 TO 479 - 1 - 250.
11. CHANGED LNAV/VNAV MINIMUMS FROM 623 - 1 1/2 - 385 TO 750 - 1 3/4 - 521.
12. CHANGED LNAV CAT A/B MINIMUMS FROM 620 - 1 - 382 TO 680 - 1 - 451, CAT C MINIMUMS FROM 620 - 1 - 832 TO 680 - 1 3/8 - 451 AND CAT D MINIMUMS FROM 620 - 1 1/4 - 382 TO 680 - 1 3/8 - 451.
13. 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 -

SEE 8260-10

REASONS:

1. VDP REMOVED, UNABLE TO VERIFY NEW VGSI TCH, PER FPT.
2-3. REPLACED WITH TAA.
4. FPT REQUEST.
5. IAW 8260.19E PARA 8-58.
6. TO GAIN LOWEST POSSIBLE MINIMA PER CRITERIA AND OBSTACLE ANALYSIS.
7. FEMON FIX COORDINATES MOVED OVER 1 NM.
8. REQUIRED MINIMUM LENGTH.
9. NEW VALUES.
10-13. NEW CONTROLLING OBSTACLES.
14. IAW 8260.45.
15. NO LONGER NEEDED.
16. NEW CALCULATIONS.
17. FPT REQUESTED MISSED GO TO OPPOSITE RNAV IF/IAF.

SEE 8260-10

QUALITY 2 CHECKED

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**NOTES, (CONT.):**
***LNAV ONLY**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HATTIESBURG-LAUREL RGNL ALTIMETER SETTING AND INCREASE ALL DA 43 FEET AND ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.**

**TAA**

| | FROM | TO | ALT |
|---|---|---|---|
| 1. | 045/30 CW 245/30 (NOPT) | 045/4 CW 245/4 | 2700 |
| 2. | 045/4 CW 245/4 | TUGKU (IF/IAF) (FB) | 2000 |
| 3. | 245/30 CW 045/30 | 245/4 CW 045/4 | 2700 |
| 4. | 245/4 CW 045/4 | TUGKU (IF/IAF) (FO) | 2000 |

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 238 THRE: 229 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| LAUREL, MS | AIRPORT NAME: HESLER-NOBLE FIELD | RNAV | RNAV (GPS) RWY 13, 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.**
**1 1/2 - 462 TO 740 - 1 1/2 - 502. 14. ADDED HOLD-IN-LIEU AT IF. 15. REMOVED CHART PROFILE NOTE: PROCEDURE TURN NA. 16. 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 LNAV/VNAV ALL CATS VISIBILITY INCREASE OF 1/4 MILE. 17. CHANGED THE MISSED APPROACH CLEARANCE LIMIT FROM GULCO TO IPAXE.**

REASONS:

**REASONS CONT.**

**PDF EDITS:**
**8260-3:**
**CHANGED EKLOW TO READ EKLOW (FAF) INTERMINAL ROUTES BLOCK.**
**REMOVED 479 FROM CA LEG OF MISSED APPROACH AND 840* FROM FAF TO STEPDOWN 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 | RW13 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W13A |
| LTP/FTP LATITUDE | 314042.1350N |
| LTP/FTP LONGITUDE | 0891044.6895W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00434 |
| FPAP LATITUDE | 313939.1770N |
| FPAP LONGITUDE | 0890930.6540W |
| 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 | 7EAFD1CE |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +00697 |
| FPAP ORTHOMETRIC HEIGHT | +00697 |

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 238 THRE: 229 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| LAUREL, MS | AIRPORT NAME: HESLER-NOBLE FIELD | RNAV | RNAV (GPS) RWY 13, 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 2 CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EKLOW K70    W     N31443254W089151599                      W0011     NAR           EKLOW
        SUSAEAENRT   IPAXE K70    W     N31303422W088585161                      W0012     NAR           IPAXE
        SUSAEAENRT   OCOJY K70    W     N31415844W089121447                      W0011     NAR           OCOJY
        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 KLULK7FR13   ATUGKU 010TUGKUK7EA0EE AR   HF                    13470040    + 02000     18000                A JS
        SUSAP KLULK7FR13   R      010TUGKUK7EA0E  I    IF                                + 02000     18000                A JS
        SUSAP KLULK7FR13   R      020EKLOWK7EA1E  F 051TF                    13470080    + 02000                          A JS
        SUSAP KLULK7FR13   R      020EKLOWK7EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KLULK7FR13   R      021OCOJYK7EA0E S  031TF                    13480036    V 0084000842        -300         A JS
        SUSAP KLULK7FR13   R      030RW13 K7PG0GY M 031TF                    13480018      00269             -300         A JS
        SUSAP KLULK7FR13   R      040         0  M     CA                    1348        + 00479                          A JS
        SUSAP KLULK7FR13   R      050IPAXEK7EA0EY      DF                                + 02000                          A JS
        SUSAP KLULK7FR13   R      060IPAXEK7EA0EE  R   HM                    31490040    + 02000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLULK7GRW13    0055131348 N31404214W089104469+0100    +0043400229000040150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLULK7PR13   RW13 001 0000W13A0N3140421350W08910446895+004340300N3139391770W089093065401067510720004 00F4005007EAFD1CE
        SUSAP KLULK7PR13   RW13 002E      +00697+00697LPV       45704
```

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 238 THRE: 229 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| LAUREL, MS | AIRPORT NAME: HESLER-NOBLE FIELD | RNAV | RNAV (GPS) RWY 13, 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TUGKU | TUGKU | 010 | IAF | HF | R | FO | | 134.7(134.7T) | 004.0 | AA 02000 | |
| | | TUGKU | 010 | FACF | IF | | FB | | | | AA 02000 | |
| | | EKLOW | 020 | FAF | TF | | FB | 0.5 | 134.7(134.7T) | 008.0 | AA 02000 | |
| | | OCOJY | 021 | SDF | TF | | FB | 0.3 | 134.8(134.8T) | 003.6 | AA 00840 GS 00842 | |
| | | RW13 | 030 | MAP | TF | | FO | 0.3 | 134.8(134.8T) | 001.8 | AT 00269 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 040 | | CA | | FB | | 134.8(134.8T) | | AA 00479 | |
| | IPAXE | 050 | | DF | | FO | | | | AA 02000 | |
| | IPAXE | 060 | | HM | R | FO | | 314.9(314.9T) | 004.0 | AA 02000 | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | EKLOW | N314432.54 | W0891515.99 | N3144.542 | W08915.267 |
| | IPAXE | N313034.22 | W0885851.61 | N3130.570 | W08858.860 |
| | OCOJY | N314158.44 | W0891214.47 | N3141.974 | W08912.241 |
| | TUGKU | N315011.25 | W0892155.88 | N3150.188 | W08921.931 |
| | RW13 | N314042.14 | W0891044.69 | N3140.702 | W08910.745 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW13 | 00229 | 40 |

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 238 THRE: 229 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| LAUREL, MS | AIRPORT NAME: HESLER-NOBLE FIELD | RNAV | RNAV (GPS) RWY 13, 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 | 045/30 CW 245/30 | 045/4 CW 245/4 | 1. TOWER (28-000414) | 320819.00N/0890536.00W | 1699 (4D) | 1000 | | 2700 |
| | | | 2. TERRAIN | 321139.00N/0891024.00W | 683 (700) | | AS1500 | 2200 |
| STRAIGHT-IN AREA | 045/4 CW 245/4 | TUGKU | 3. TOWER (28-020219) | 315454.80N/0892138.85W | 980 (1C) | 1000 | | 2000 |
| | | | 4. TERRAIN | 315557.00N/0892009.00W | 545 (500) | | AS1500 | 2000 |
| STRAIGHT-IN AREA | 245/30 CW 045/30 | 245/4 CW 045/4 | 1. TOWER (28-000414) | 320819.00N/0890536.00W | 1699 (4D) | 1000 | | 2700 |
| | | | 5. TERRAIN | 320818.00N/0890536.00W | 634 (600) | | AS1500 | 2100 |
| STRAIGHT-IN AREA | 245/4 CW 045/4 | TUGKU | 3. TOWER (28-020219) | 315454.80N/0892138.85W | 980 (1C) | 1000 | | 2000 |
| | | | 4. TERRAIN | 315557.00N/0892009.00W | 545 (500) | | AS1500 | 2000 |
| INTERMEDIATE | TUGKU (IF/IAF) | EKLOW | 6. TOWER (28-001196) | 314918.00N/0891837.00W | 842 (5E) | 500 | AC60 | 1500 |
| | | | 7. TERRAIN | 315157.00N/0892124.00W | 453 (500) | | AS1500 | 2000 |
| FINAL: LPV | EKLOW | RW13 | 8. TREE (KLULT009) | 314100.42N/0891058.79W | 286 (2C) | 34:1 | AC20 | 479/250 |
| FINAL: LNAV/VNAV | EKLOW | RW13 | 9. TREE | 314121.36N/0891216.98W | 429 (2C) | 23.44:1 | AC20 | 750/521 |
| FINAL: LNAV | EKLOW | OCOJY/1.80 NM TO RW13 | 10. AAO | 314239.97N/0891356.28W | 529 (2C) | 250 | RA43 | 840 |
| 2. HOLD-IN-LIEU-OF-PT | TUGKU | P-4 | 11. TOWER (28-001344) | 315308.00N/0892208.00W | 966 (2C) | 1000 | | 2000 |
| | | | 12. TERRAIN | 315439.00N/0892136.00W | 519 (500) | | AS1500 | 2000 |
| 3. MISSED APPROACH MAP: | DA / DA / RW13 | IPAXE | | | | ASC | | 2000 |
| | | | 13. TOWER (28-020242) | 313802.15N/0890424.73W | 534 (4D) | 1000 | | 1600 |
| ELEV: | 335/589/580 | | 14. TERRAIN | 313418.00N/0890003.00W | 309 (300) | | AS1500 | 1800 |
| 15. TREE | 314134.42N/0890925.81W | 409 (2C) | 300 | | 720 |
| 9. TREE | 314121.36N/0891216.98W | 429 (2C) | 300 | | 740 |
| 9. TREE | 314121.36N/0891216.98W | 429 (2C) | 300 | | 740 |
| 16. TOWER (28-002144) | 314038.74N/0890805.51W | 495 (1A) | 300 | | 800 |

| 4. CIRCLING AREA | DISTANCE | HT. ABV. ARPT. REQUIRED | HT. ABV. ARPT. ACTUAL |
|---|---|---|---|
| CATEGORY A | 1.3 NM | 350 | 482 |
| CATEGORY B | 1.5 NM | 450 | 502 |
| CATEGORY C | 1.7 NM | 450 | 502 |
| CATEGORY D | 2.3 NM | 550 | 562 |
| 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 | ELEVATION: 238 / AIRPORT NAME: | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION |
|---|---|---|---|---|
| LAUREL, MS | HESLER-NOBLE FIELD | RNAV | RNAV (GPS) RWY 13, AMDT 1 | ASO |

## PART B - SUPPLEMENTAL DATA

| 1. COMMUNICATIONS WITH: | 2. WEATHER SERVICE | | | 3. ALTIMETER SETTING |
|---|---|---|---|---|
| ZME ARTCC<br>ZHU ARTCC<br>GWO FSS | | N W S | OTHER:<br>AWOS-3 | SOURCE: KLUL / KPIB |
| | | F A A | | DISTANCE: 0 / 14.93 |
| SATISFACTORY ON: | | A / C | | HOURS REMOTE OPERATION:<br>0 / 24 HOURS |
| 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 |
| | | 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)<br>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: 228.6 |
| | 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:<br>DONALD E. SMITH (JOHN R. LINDSEY) | DATE:<br>08/13/2012 |
| TITLE:<br>AERONAUTICAL INFORMATION SPECIALIST | OFFICE:<br>AJV-352 |

## PART C - REMARKS:

VDP NOT ESTABLISHED - UNABLE TO VERIFY NEW VGSI DATA.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

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

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

LPV POFZ PENETRATIONS:
KLULT016 TREE 314044.97N/0891043.55W 252 (2C) (43.4 FT PENE)
KLULT019 TREE 314044.94N/0891042.43W 245 (2C) (16.4 FT PENE)

AVERAGE VEGETATION ASSUMED TO BE 100 FT PER FPT.

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

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 ACT HISTORICAL DATA AVAILABLE, STANDARD -30 DEVIATION USED.

PARA 289 APPLIED TO 600 FT MSL AAO, 314352.22N/0891619.81W

QUALITY 2 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** | **OCOJY/1.80 NM TO** | **RW13** | **9. TREE** | **314121.36N/0891216.98W** | **429 (2C)** | **250** | | **680** |
| | **RW13** | | | | | | | |

| 3. MISSED APPROACH | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | MAP: | | | | | | | | |
| | | | | | | | | | |
| | ELEV: | | | | | | | | |

| 4. CIRCLING AREA | DISTANCE | HT. ABV. ARPT. REQUIRED | HT. ABV. ARPT. 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 | ELEVATION: 238 AIRPORT NAME: | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION |
|---|---|---|---|---|
| **LAUREL, MS** | **HESLER-NOBLE FIELD** | **RNAV** | **RNAV (GPS) RWY 13, 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:** EKLOW **STATE:** MS **COUNTRY:** US

**LATITUDE/LONGITUDE:** 314432.54N/0891515.99W **TYPE:** WP

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

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

**REMARKS:**
8260.54A PFAF FORMULA USED.

**FIX USE:**

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

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 2 **DATE OF REVISION:** 01/10/2013

**REASON FOR REVISION:**
1. MOVED FIX 506.97 FT NORTHWEST AND UPDATED COORDINATES.
2. DELETED FAC 1.
3. UPDATED FIX USE.
4. ADDED 8260.54A PFAF FORMULA USED REMARK.

**DEVELOPED BY:** **DATE:** 08/03/2012 **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:** OCOJY **STATE:** MS **COUNTRY:** US

**LATITUDE/LONGITUDE:** 314158.44N/0891214.47W **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 13 | | | 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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** YOKUT **STATE:** MS **COUNTRY:** US

**LATITUDE/LONGITUDE:** 315219.47N/0892425.99W **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 | FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FEMON | | | | | 314.93 | 5.00 | | | | 17500 |

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | HESLER-NOBLE FIELD - RNAV (GPS) RWY 13. | | | | LAUREL | MS (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

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

**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:** GWO FSS

QUALITY CHECKED 2

# TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **RNAV (GPS) RWY 13** 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 **3.55**
   (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 **134.79**
4. High Terrain in **FINAL** segment containing 1000' point **400**
5. Distance from **THLD** to 1500' point **5.24**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.95**
7. True Course of **FINAL** segment containing 1500' point **134.79**
8. High Terrain in **FINAL** segment containing 1500' point **400**
9. Threshold Coordinates (if straight-in) ... **314042.14N** / **0891044.69W**
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 ..... **314432.54N** / **0891515.99W**
    (Click to Select)

**REMARKS: Approach/Drawing attached. TUGKU (IF/IAF) 315011.25N/0892155.88W, STRAIGHT-IN TAA**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** FEMON **STATE:** MS **COUNTRY:** US

**LATITUDE/LONGITUDE:** 314847.16N/0892016.48W **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 | KLUL R13 | | | | | 314.83 | 11.45 | | | | 17500 |

**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 | 314.79 | 134.79 | R | | 4 | 2000 | 6000 | 4 | 6 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (25-1344) | 315308.00N/0892208.00W | 966 | 2C |

**REMARKS:**
HOLDING LIMITED TO ESTABLISHED PATTERN.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | HESLER-NOBLE FIELD - RNAV (GPS) RWY 13, RNAV (GPS) RWY 31 (PAT 1). | | | KLUL | LAUREL | MS (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

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

**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:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** IVECO **STATE:** MS **COUNTRY:** US

**LATITUDE/LONGITUDE:** 314714.12N/0892607.86W **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 | FEMON | | | | | 252.80 | 5.23 | | | | 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 13. | | | KLUL | LAUREL | MS (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

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

**REASON FOR REVISION:**
CHANGED FIX MAKE-UP FACILITY 1 FROM MIZZE TO FEMON.

**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:**