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|---|------------------------------|---|-------------------------------------|---|--|
| Flight Procedures Cover Page | Task Action: FLIGHT CHECK | Task Type: IAP | Estimated Chart Date: 07/14/2022 | APWS Task ID: 2F9BD7DB14A34AF6B47F6FE4B6D1B891 | APWS Project ID: 4002A08A856F4D6387FF49EDEF008E83 |
| Procedure: ILS Y OR LOC Y RWY 30 AMDT 1 | | Enroute: NO | Specialist: Drakes, Sylvan | | Agreement Number: |
| Airport ID: KMSL | | | Airport City: MUSCLE SHOALS | | State: AL |
| Facility ID: MSL | Facility Type: ILS | Flight Inspection Remark Type: New FC Slot | | | |
| <p>Procedure Comments: ACTIVE DATA USED.</p> <p>RNAV 1 - GPS REQUIRED FOR THIS PROCEDURE.</p> <p>CONTACT: JULIE MORGAN OR CAS TABACKA, 405.954.8568/7931.</p> | | | | | |

QUALITY
24
CHECKED

QUALITY
38
CHECKED

| FIPC BASIC FORM | | | | | | | |
|---|---|----------------------------------|---|--|---|--|-----------------------------------|
| PROCEDURE: ILS Y OR LOC Y RWY 30 AMDT 1 | | | AIRPORT NAME: NORTHWEST ALABAMA RGNL | | AIRPORT ID: KMSL | SPECIAL CONTROL NO: AP-08-045-22 | |
| FAC ID: MSL | | CITY: MUSCLE SHOALS | | | ST: AL | ORIG CHART DATE: 11/03/2022 | |
| DFL TYPE: PROC/AR | THIRD PARTY: <input type="checkbox"/> YES | EST. TIME ON SITE: 0.5 | REIMB. NUMBER: | | PTS TASK ID: 2F9BD7DB14A34AF6B47F6FE4B6D1B891 | | |
| PREFLIGHT NOTES | | | | | | | |
| REVIEWER: | | | | | DATE: | | |
| COMMENTS: | | | | | CHECK ONE: | | |
| | | | | | <input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT | | |
| | | | | | | | YES |
| | | | | | CPV COMPLETE? | | X |
| PROCEDURE RESULTS | | | | | | | |
| INSPECTION DATE: 09/20/2022 | | CREW #: VN482 | N #: N80 | INSTRUMENT PROCEDURE STATUS: <input type="checkbox"/> SAT <input checked="" type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT | | ARINC CODING: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT | |
| FLIGHT INSPECTOR SIGNATURE: michael w pendergrass @ 09/20/2022 17:25 | | | PRINTED NAME: PENDERGRASS, MICHAEL WALTER | | | NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | |
| FLIGHT INSPECTOR REMARKS: AP-08-045-22. Northwest Alabama RGNL, MUSCLE SHOALS, AL, ILS Y OR LOC Y RWY 30 AMDT 1, SAT WITH CHANGES. Change is to the Missed Approach Holding point at JOBUM. It has been changed to a Waypoint and a "RNAV required" note has been added to the procedure. | | | | | | | |
| IN-FLIGHT OBSTACLE REPORT | | | | | | | |
| OBSTRUCTION ID #: | COORDINATES OR LOCATION: | | GNSS ALTITUDE (MSL): | | BAROMETRIC ALTITUDE (MSL): | | HEIGHT ABOVE GROUND LEVEL: |

| FIPC BASIC FORM | | | | | | |
|---|---|----------------------------------|--|-----------------------------------|--|--|
| PROCEDURE: ILS Y OR LOC Y RWY 30 ORIG B | | | AIRPORT NAME: NORTHWEST ALABAMA RGNL | | AIRPORT ID: KMSL | SPECIAL CONTROL NO: AP-06-140-22 |
| FAC ID: MSL | | CITY: MUSCLE SHOALS | | | ST: AL | ORIG CHART DATE: 09/08/2022 |
| DFL TYPE: PROC/A | THIRD PARTY: <input type="checkbox"/> YES | EST. TIME ON SITE: 0.4 | REIMB. NUMBER: | PTS TASK ID: | | |
| PREFLIGHT NOTES | | | | | | |
| REVIEWER: marc j hinck | | | | | DATE: 07/15/2022 | |
| COMMENTS: JOBUM UNSAT DME See DFL N75, 071222, Hinck RQZ VTAC/T, A-06-088-22: DME UNSAT 39nm to 49nm. Checked 3000' and 4000 | | | | | CHECK ONE: <input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input checked="" type="checkbox"/> REJECT <div style="border-top: 1px solid black; display: flex; justify-content: space-between; padding-top: 2px;"> YES NO </div> <div style="border-top: 1px solid black; display: flex; justify-content: space-between; padding-top: 2px;"> CPV COMPLETE? </div> | |
| PROCEDURE RESULTS | | | | | | |
| INSPECTION DATE: 07/15/2022 | CREW #: VN077 | N #: | INSTRUMENT PROCEDURE STATUS: <input type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input checked="" type="checkbox"/> UNSAT | | ARINC CODING: <input type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input checked="" type="checkbox"/> UNSAT | |
| FLIGHT INSPECTOR SIGNATURE: marc j hinck @ 07/15/2022 12:20 | | | PRINTED NAME: HINCK, MARC JOHN | | | NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| FLIGHT INSPECTOR REMARKS: JOBUM UNSAT DME RQZ VTAC/T, A-06-088-22: DME UNSAT 39nm to 49nm. Checked 3000' and 4000 | | | | | | |
| IN-FLIGHT OBSTACLE REPORT | | | | | | |
| OBSTRUCTION ID #: | COORDINATES OR LOCATION: | GNSS ALTITUDE (MSL): | BAROMETRIC ALTITUDE (MSL): | HEIGHT ABOVE GROUND LEVEL: | | |

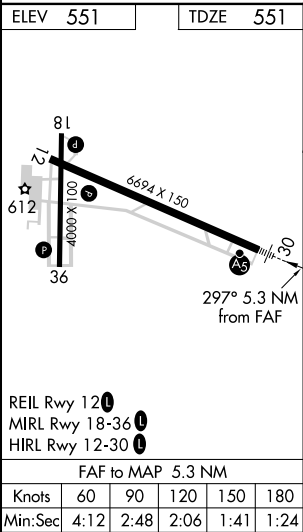
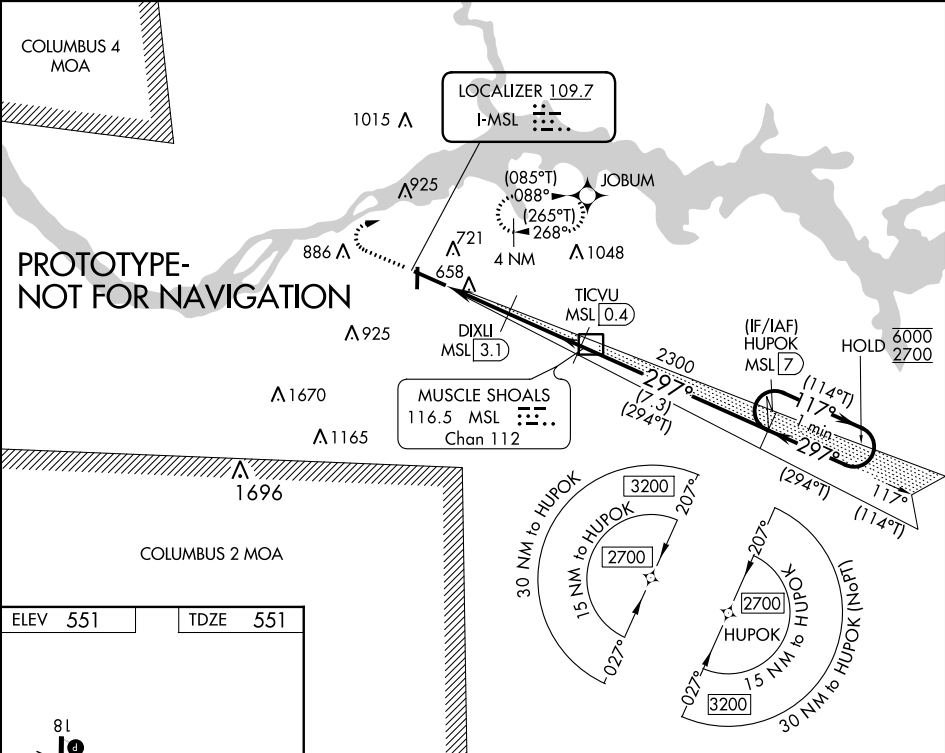
| FIPC BASIC FORM | | | | | | | |
|--|---|----------------------------------|--|--|---|--|-----------------------------------|
| PROCEDURE: ILS Y OR LOC Y RWY 30 AMDT 1 | | | AIRPORT NAME: NORTHWEST ALABAMA RGNL | | AIRPORT ID: KMSL | SPECIAL CONTROL NO: AP-04-273-22 | |
| FAC ID: MSL | | CITY: MUSCLE SHOALS | | | ST: AL | ORIG CHART DATE: 07/14/2022 | |
| DFL TYPE: PROC/AR | THIRD PARTY: <input type="checkbox"/> YES | EST. TIME ON SITE: 0.5 | REIMB. NUMBER: AC0721 | | PTS TASK ID: | | |
| PREFLIGHT NOTES | | | | | | | |
| REVIEWER: | | | | | DATE: | | |
| COMMENTS: | | | | | CHECK ONE: | | |
| | | | | | <input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT | | |
| | | | | | | | YES |
| | | | | | CPV COMPLETE? | | X |
| PROCEDURE RESULTS | | | | | | | |
| INSPECTION DATE: 05/17/2022 | | CREW #: VN526 | N #: N69 | INSTRUMENT PROCEDURE STATUS: <input type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input checked="" type="checkbox"/> UNSAT | | ARINC CODING: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT | |
| FLIGHT INSPECTOR SIGNATURE: eric l geyer @ 05/17/2022 15:41 | | | PRINTED NAME: GEYER, ERIC LEE | | | NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | |
| FLIGHT INSPECTOR REMARKS: !MSL 11/014 MSL NAV TACAN AZM U/S 2111111723-PERM Northwest Alabama Regional, Muscle Shoals AL, ILS or LOC Y Rwy 30 Amdt 1. UNSAT Primary navigation aid (MSL) for procedure is notam'd OTS and not useable. | | | | | | | |
| IN-FLIGHT OBSTACLE REPORT | | | | | | | |
| OBSTRUCTION ID #: | COORDINATES OR LOCATION: | | GNSS ALTITUDE (MSL): | | BAROMETRIC ALTITUDE (MSL): | | HEIGHT ABOVE GROUND LEVEL: |

| | | | |
|-----------|---------|----------|------|
| LOC I-MSL | APP CRS | Rwy Idg | 6694 |
| 109.7 | 297° | TDZE | 551 |
| | | Apt Elev | 551 |

ILS Y or LOC Y RWY 30
NORTHWEST ALABAMA RGNL (MSL)

| | | |
|--|------------------------|--|
| DME required. RNAV 1 - GPS. | MALSR | MISSED APPROACH: Climb to 1200 then climbing right turn to 3000 direct JOBUM and hold, continue climb-in-hold to 3000. |
| <div><div></div><div>DME from MSL DME. Simultaneous reception of I-MSL and MSL DME required. For inop ALS increase S-LOC 30 Cats C/D visibility to 1 SM.</div></div> | <div><div></div></div> | |

| | | | |
|-----------------|-------------------------------|----------------|---------------------------|
| ASOS 119.425 | MEMPHIS CENTER 120.8 307.0 | GCO 121.725 | UNICOM 123.05 (CTAF) 0 |
|-----------------|-------------------------------|----------------|---------------------------|



OLD

MUSCLE SHOALS, ALABAMA

AL-277 (FAA)

19227

| | | | |
|---------------------------|------------------------|------------------------|--------------------|
| LOC I-MSL 109.7 | APP CRS 297° | Rwy Idg 6694 | TDZE 551 |
| | | Apt Elev 551 | |

ILS Y or LOC Y RWY 30
NORTHWEST ALABAMA RGNL (MSL)

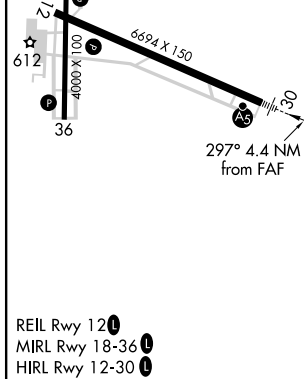
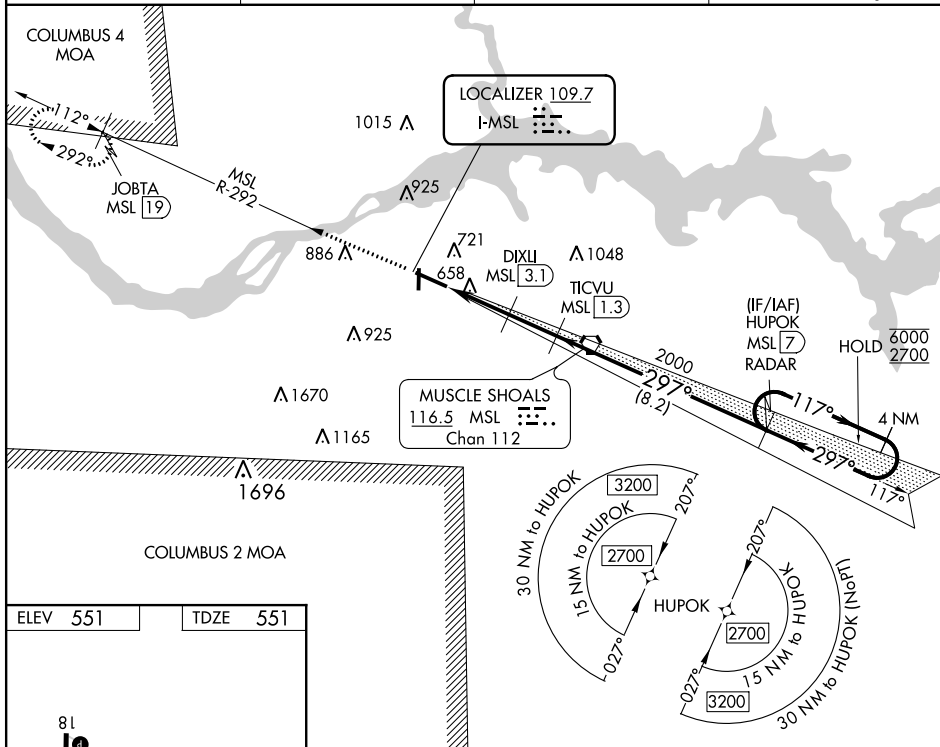
RNAV 1-GPS or RADAR required for procedure entry. DME required.

When local altimeter setting not received, use Decatur altimeter setting: Increase DA to 833 feet and all MDA 100 feet; Increase S-LOC 30 Cat C, D visibility $\frac{3}{8}$ SM and Circling Cat C, D visibility $\frac{1}{2}$ SM. DME from MSL VORTAC. Simultaneous reception of I-MSL and MSL DME required. For inop ALS increase S-LOC 30 Cats C/D visibility to 1 SM. For inop ALS when using Decatur altimeter setting, increase S-ILS 30 all Cats visibility to $\frac{3}{8}$ SM, and increase S-LOC 30 Cats C/D to $1\frac{3}{8}$ SM.



MISSED APPROACH: Climb to 3000 on MSL VORTAC R-292 to JOBTA/MSL 19 DME and hold.

| | | | |
|------------------------|--------------------------------------|-----------------------|----------------------------------|
| ASOS 119.425 | MEMPHIS CENTER 120.8 307.0 | GCO 121.725 | UNICOM 123.05 (CTAF) 0 |
|------------------------|--------------------------------------|-----------------------|----------------------------------|



| | | | | |
|------------|--------------------|---------------------------|---------------------------|--|
| 3000 | MSL R-292 | JOBTA MSL 19 | HUPOK MSL 7 | 4 NM Holding Pattern |
| *LOC only. | MSL 5.6 | DIXLI MSL 3.1 | TICVU MSL 1.3 | 2000 |
| 2.5 | 1.9 NM | 8.2 NM | | |
| CATEGORY | A | B | C | D |
| S-ILS 30 | | 751- $\frac{1}{2}$ | 200 (200- $\frac{1}{2}$) | |
| S-LOC 30 | 920- $\frac{1}{2}$ | 369 (400- $\frac{1}{2}$) | 920- $\frac{5}{8}$ | 369 (400- $\frac{5}{8}$) |
| CIRCLING | 1040-1 | 489 (500-1) | 1280-2 729 (800-2) | 1280-2 $\frac{1}{4}$ 729 (800-2 $\frac{1}{4}$) |

MUSCLE SHOALS, ALABAMA
Orig-B 15AUG19

34°45'N-87°37'W

NORTHWEST ALABAMA RGNL (MSL)
ILS Y or LOC Y RWY 30

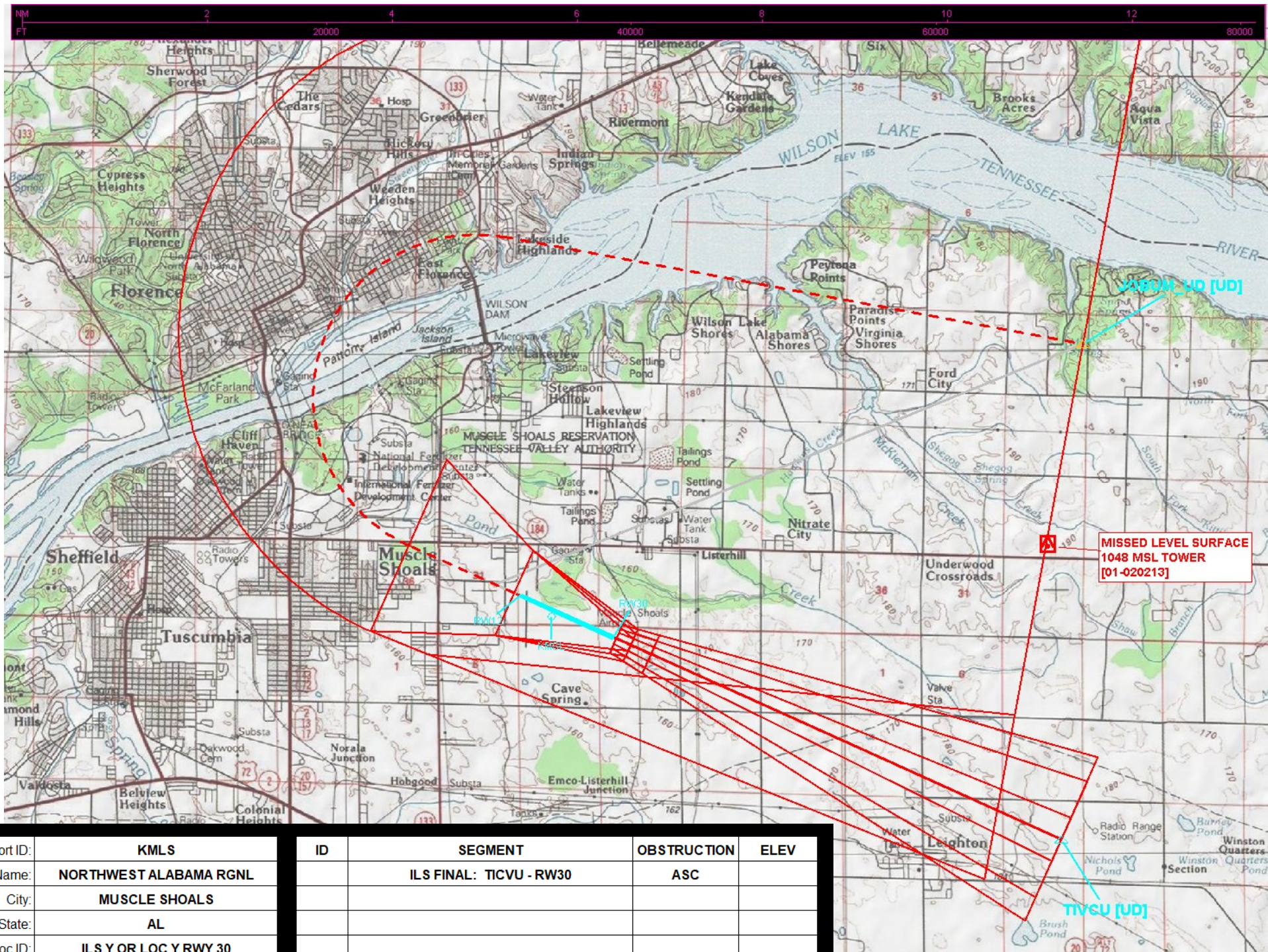
SE-4, 30 DEC 2021 to 27 JAN 2022



| | |
|-------------|------------------------|
| Airport ID: | KMLS |
| Apt Name: | NORTHWEST ALABAMA RGNL |
| City: | MUSCLE SHOALS |
| State: | AL |
| Proc ID: | ILS Y OR LOC Y RWY 30 |
| Number: | AMDT 1 |
| Scale: | 1:500,000 |

| | | | |
|----|------------------------------------|-------------|------|
| ID | SEGMENT | OBSTRUCTION | ELEV |
| | STRAIGHT-IN AREA 027 CW 207 TO SDF | TOWER | 2187 |
| | 15 NM SDF TO HUPOK | AAO | 1360 |
| | | | |
| | | | |



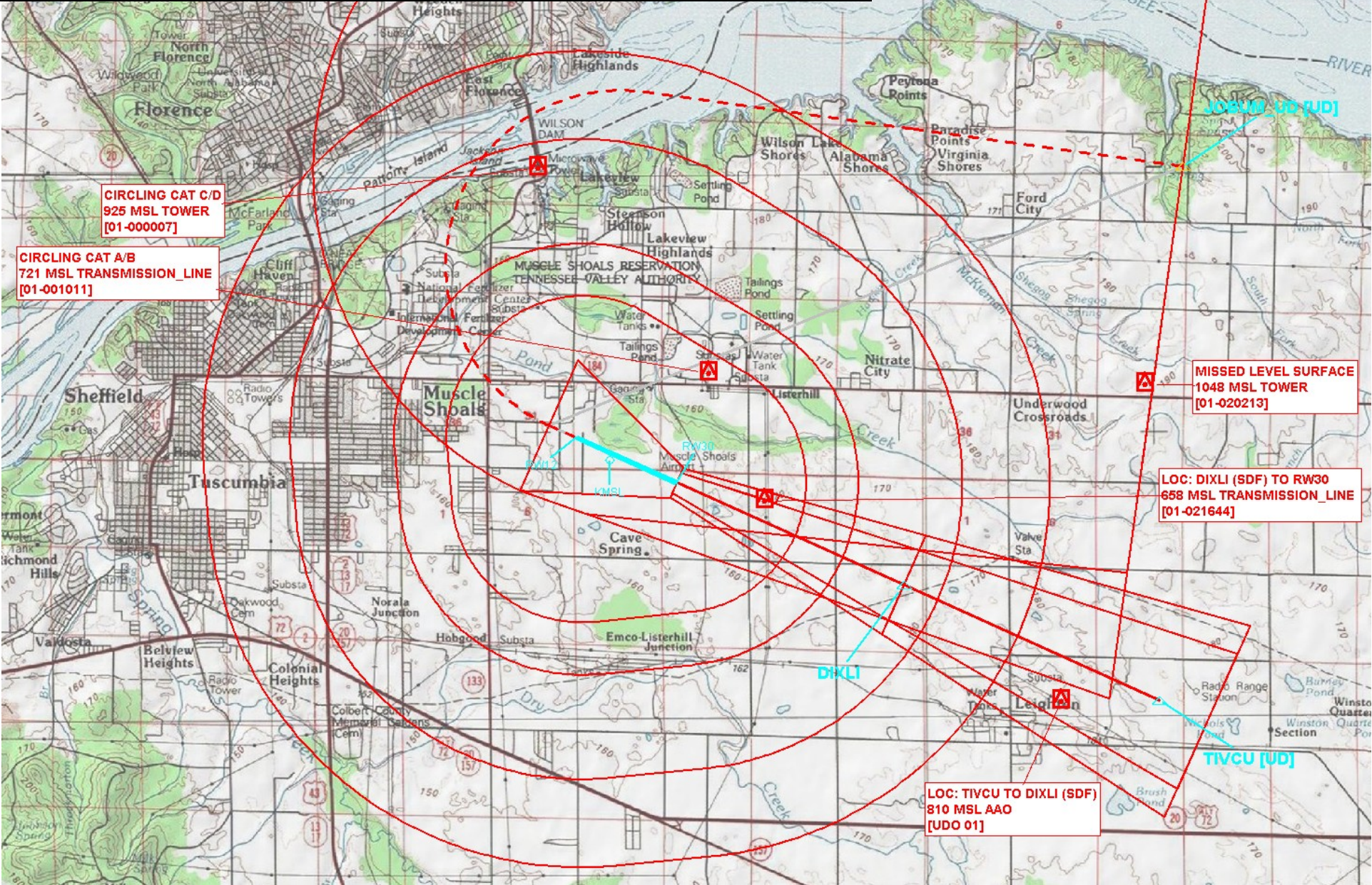


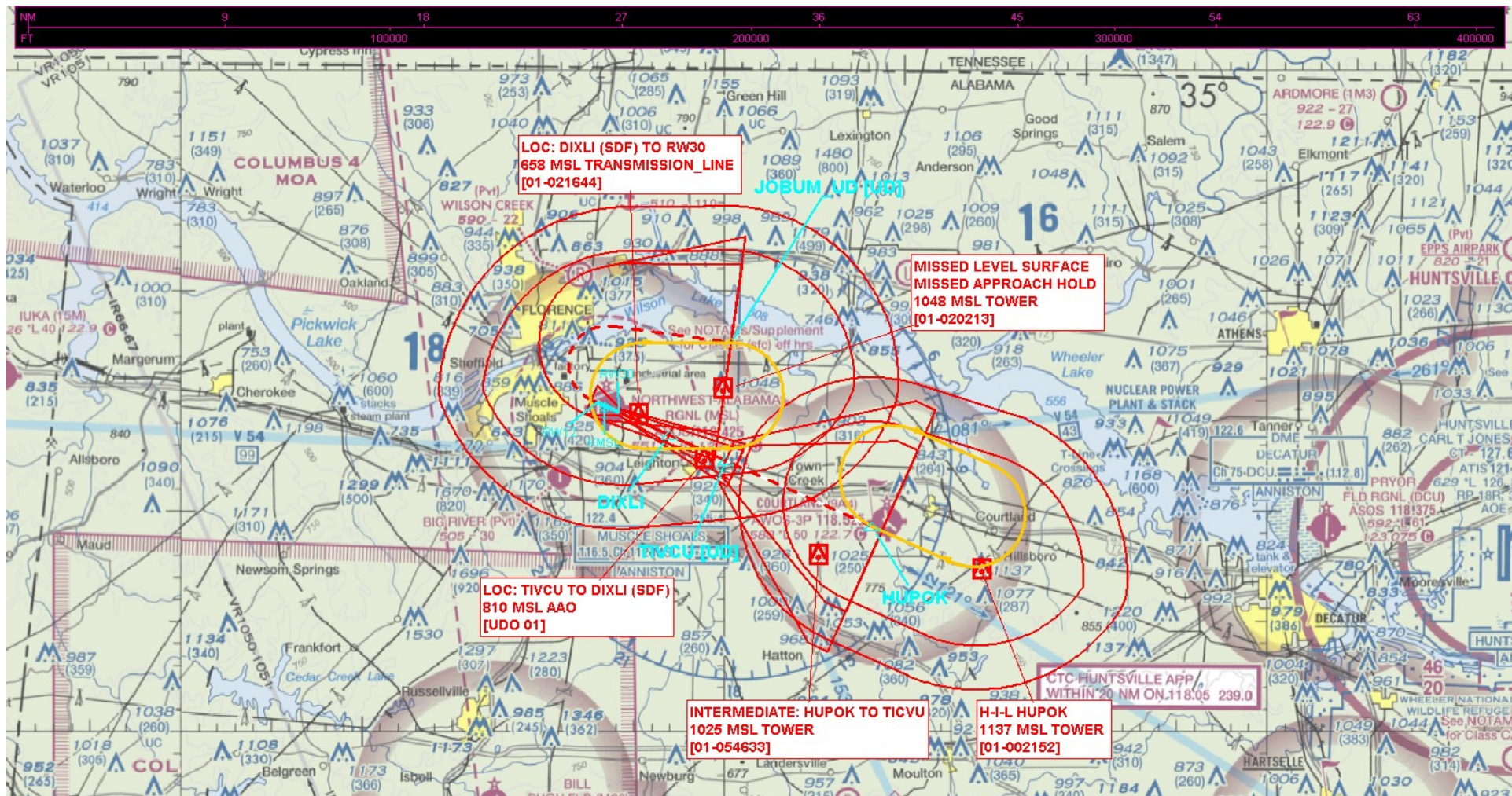
| | |
|-------------|------------------------|
| Airport ID: | KMLS |
| Apt Name: | NORTHWEST ALABAMA RGNL |
| City: | MUSCLE SHOALS |
| State: | AL |
| Proc ID: | ILS Y OR LOC Y RWY 30 |
| Number: | AMDT 1 |
| Scale: | 1:100,000 |

| ID | SEGMENT | OBSTRUCTION | ELEV |
|----|-------------------------|-------------|------|
| | ILS FINAL: TICVU - RW30 | ASC | |
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|-------------|------------------------|
| Airport ID: | KMLS |
| Apt Name: | NORTHWEST ALABAMA RGNL |
| City: | MUSCLE SHOALS |
| State: | AL |
| Proc ID: | ILS Y OR LOC Y RWY 30 |
| Number: | AMDT 1 |
| Scale: | 1:100,000 |

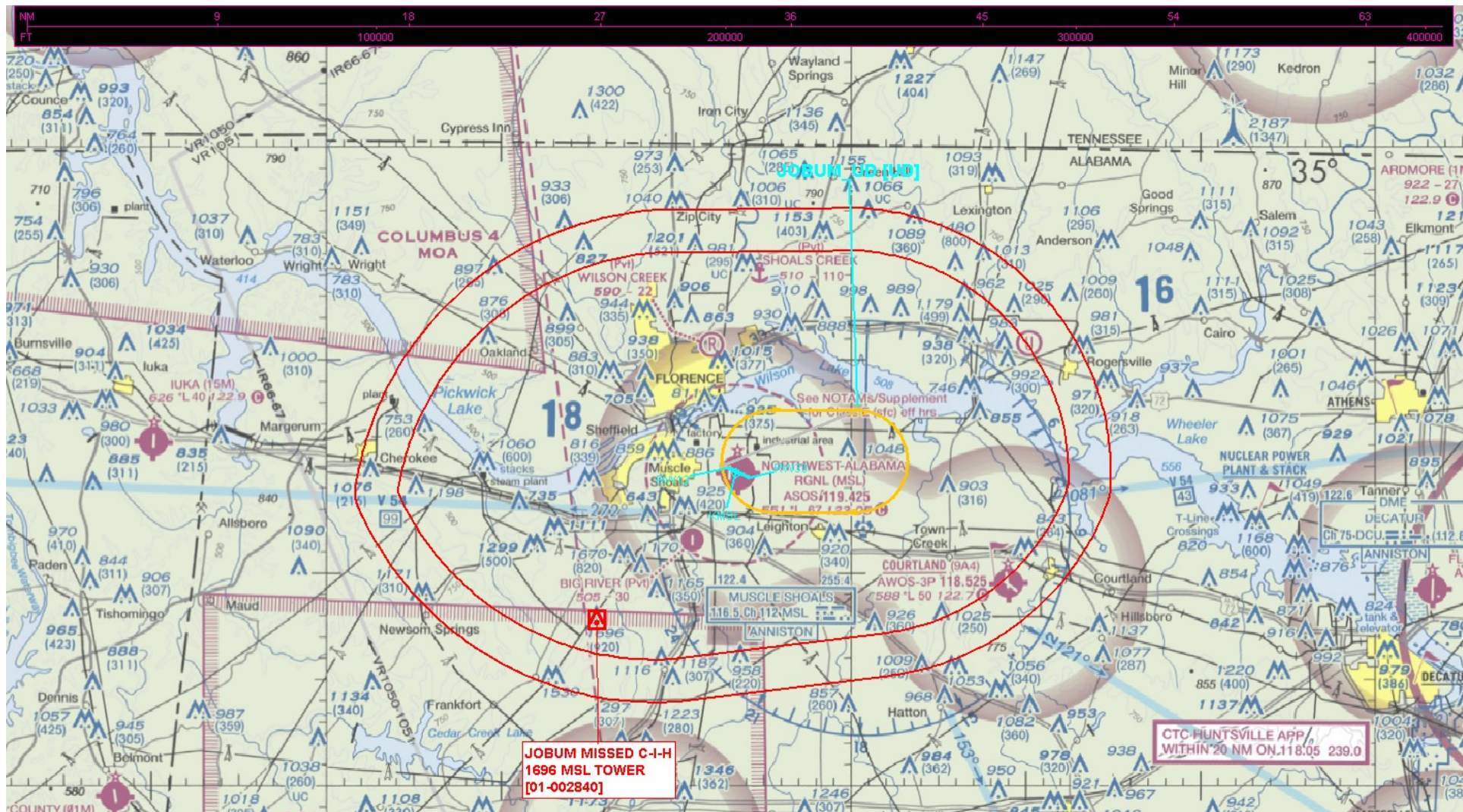
| ID | SEGMENT | OBSTRUCTION | ELEV |
|----|--------------------------------|-------------|------|
| | LOC FINAL: TICVU - DIXLI (SDF) | AAO | 810 |
| | LOC FINAL: DIXLI (SDF) - RW30 | TRANSM_LINE | 658 |
| | CIRCLING CAT A/B | TRANSM_LINE | 721 |
| | CIRCLING CAT C/D | TOWER | 925 |
| | MA LVL SURFACE | TOWER | 1048 |





| | |
|-------------|------------------------|
| Airport ID: | KMLS |
| Apt Name: | NORTHWEST ALABAMA RGNL |
| City: | MUSCLE SHOALS |
| State: | AL |
| Proc ID: | ILS Y OR LOC Y RWY 30 |
| Number: | AMDT 1 |
| Scale: | 1:500,000 |
| | |

| ID | SEGMENT | OBSTRUCTION | ELEV |
|----|--------------------------------|-------------|------|
| | INTERMEDIATE: HUPOK - TICVU | TOWER | 1025 |
| | LOC FINAL: TICVU - DIXLI (SDF) | AAO | 810 |
| | LOC FINAL: DIXLI (SDF) - RW30 | TRANSM_LINE | 658 |
| | MA LVL SURFACE | TOWER | 1048 |
| | MA HOLD | TOWER | 1048 |
| | HOLD-IN-LIEU OF PT | TOWER | 1137 |
| | | | |



| | |
|-------------|------------------------|
| Airport ID: | KMLS |
| Apt Name: | NORTHWEST ALABAMA RGNL |
| City: | MUSCLE SHOALS |
| State: | AL |
| Proc ID: | ILS Y OR LOC Y RWY 30 |
| Number: | AMDT |
| Scale: | 1:500,000 |

| ID | SEGMENT | OBSTRUCTION | ELEV |
|----|---------------|-------------|------|
| | CLIMB-IN-HOLD | TOWER | 1696 |
| | | | |
| | | | |
| | | | |

Federal Aviation Administration Categorical Exclusion Declaration

Date: 03/16/21

IFP: Erstfeld, David (David.F.Erstfeld@faa.gov)

Airport Contact: -

Request ID: KMSL_21226

Single or Multiple Procedure: Multiple

Procedure Name(s): ILS Z or LOC Z 30 Amdt 7 ILS Y or LOC Y 30 Amdt 1 VOR 12 CANCEL RNAV (GPS) 36 Amdt 1B (P-NOTAM) NO TRACK CHANGES

Procedure Request Description:

ILS Z, Y 30 and VOR 12 cancellation project due to MSL VOR decommissioning as part of VOR MON national program. ILS Z,Y require a change to MAHP as depicted. No other track changes to existing procedures although points on final will move slightly.

RNAV (GPS) 36 change will raise visibility minimums from 7/8 sm to 1 sm based on airport design criteria/airport sponsor request.

Declaration of Exclusion:

The FAA has reviewed the above referenced proposed action and it has been determined, by the undersigned, to be categorically excluded from further environmental documentation according to FAA Order 1050.1, "Environmental Impacts: Policies and Procedures." The implementation of this action will not result in any extraordinary circumstances in accordance with FAA Order 1050.1.

Basis for this Determination:

This review was conducted in accordance with policies and procedures in Department of Transportation Order 5610.1, "Procedures for Considering Environmental Impacts" and FAA Order 1050.1.

The applicable Categorical Exclusion is:

5-6.5.k: Publication of existing air traffic control procedures that do not essentially change existing tracks, create new tracks, change altitude, or change concentration of aircraft on these tracks. (ATO, AVS)

The above flight procedure has been developed within the accepted parameters.

Concurrence/Reviewed By:

Andy Pieroni *C. Armstead*

Date: March 16, 2021

Concurrence By: Andy Pieroni
Title: Environmental Protection Specialist - ESA OSG ECINA

Reviewed By: C. Armstead (March 16, 2021)
NISCIV Contract Support - Env Engineer - ESA OSG ECINA

Approved By:

Charles J Gibson

Date: March 16, 2021

Title: Team Manager, ECINA, OSG, ESC

