Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 12/22/2010	Task #: 2007052512091803002	Request #: 20070525120918
Procedure: ILS OR LOC RWY 5 AMDT 9		Airport ID: KOAJ	**Airport:** ALBERT J ELLIS		Reimbursable #:
City: JACKSONVILLE	**ST:** NC	**GPS #:**		Estimated Chart Date: 02/09/2012	**FICO #:**
Fac ID: OAJ	**Fac. Type:** ILS		**Specialist:** AISHAT NAUZO		

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	05/31/2011	09/29/2011	JILL OLSON	W
QA:	09/29/2011	09/30/2011	STEVEN SZUKALA	
Liaison:	09/30/2011		Terrell	

P1

ESV REQUEST INCLUDED

Procedure Comments:

Remark Type: INFORMATION

pkg 3 of 3

JACKSONVILLE, NC ALBERT J ELLIS (KOAJ) ILS OR LOC RWY 5, AMDT 9 ENROUTE-NO FC: 12.27.11 PUB: 2.9.12

ATTACHED FORMS: ESV REPORTS; 8260-3; 8260-10; 8260-9; 8260-2(S): AJDOV-INT, REV 1; BEULA-INT, REV 6; ELLAS (OA) LOM, REV 6; GOLLA-INT, REV 5; HELNA-INT, REV 6; KROVE-INT, REV 7; OGOYO-INT, ORIG; UFISA-INT, REV 2; WALLO-INT, REV 10; (INFO ONLY) FAYETTEVILLE (FAY) VDME, REV 8.

CONTACT: DON SMITH, JILL OLSON, AJV-352 LEADS, 405.954.1036/0414

ILS or LOC RWY 5

JACKSONVILLE/ALBERT J. ELLIS (OAJ)

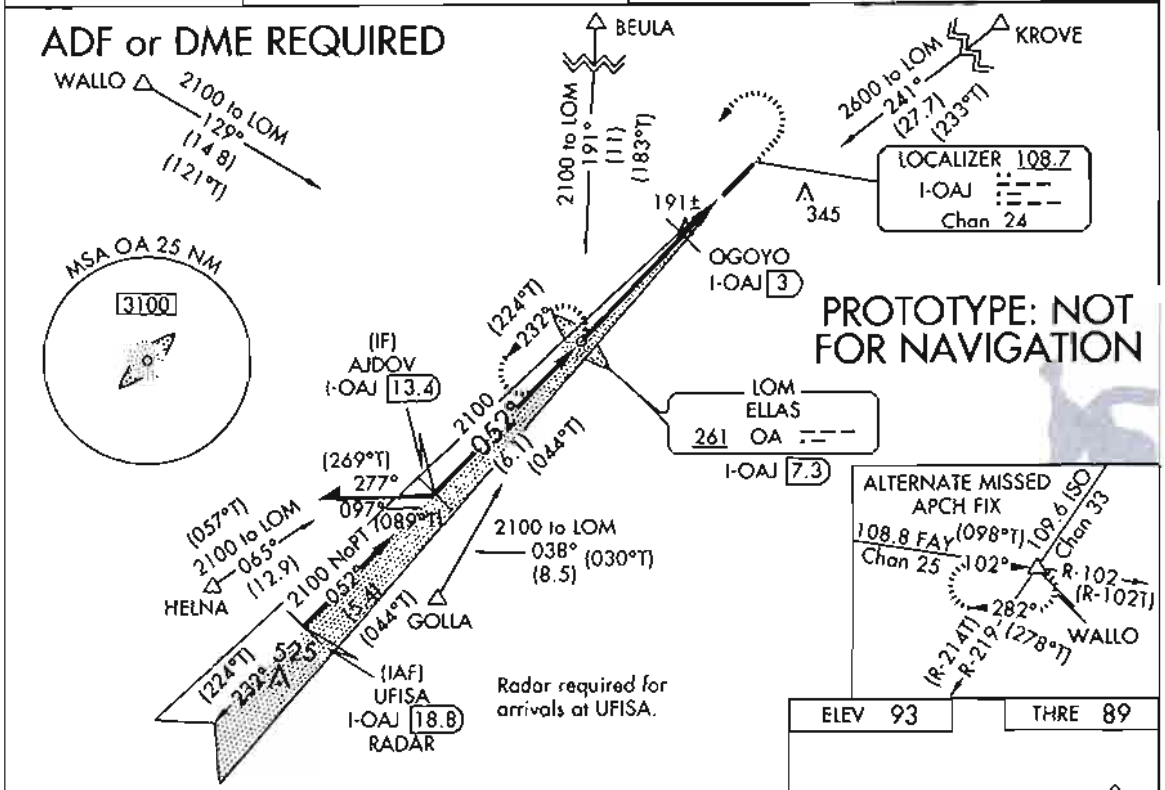
LOC/DME I-OAJ	APP CRS	Rwy Idg	7100
108.7	052°	THRE	89
Chan 24		Apt Elev	93

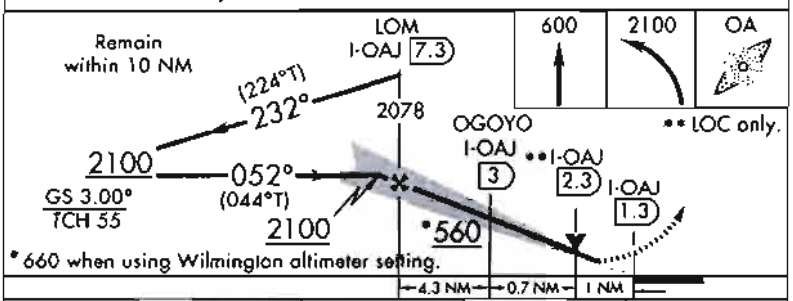
VDP NA with Wilmington altimeter setting. When local altimeter setting not received, use Wilmington altimeter setting and increase all DA 93 feet and all MDA 100 feet, increase S-LOC 5 Cats C/D visibility ¼ mile, increase Circling Cat C visibility ⅛ mile; increase OGOYO fix minimums, S-LOC 5 Cats C/D visibility ⅜ mile. For inoperative MALSR, increase S-LOC 5 Cats C/D visibility to 1⅜ mile, increase OGOYO fix minimums S-LOC 5 Cats C/D visibility to 1 mile. For inoperative MALSR when using Wilmington altimeter setting, increase S-ILS 5 all Cats visibility to ⅞ mile, increase S-LOC 5 Cats C/D visibility to 1⅝ mile, increase OGOYO fix minimums S-LOC 5 Cats C/D visibility to 1⅜ mile. ADF required.

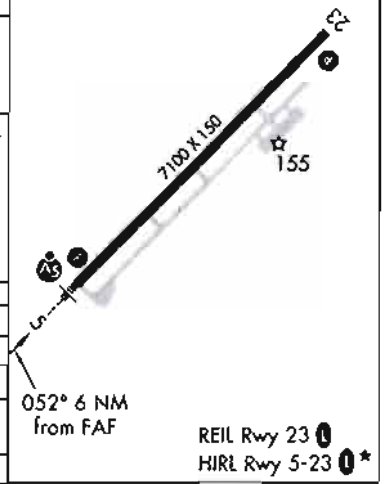
MALSR

MISSED APPROACH: Climb to 600 then climbing left turn to 2100 direct ELLAS LOM/I-OAJ 7.3 DME and hold.

AWOS-3	WILMINGTON APP CON *	CLNC DEL	UNICOM
124.475	135.75 317.425 (344°-163°)	121.4 257.6	123.0 (CTAF)







ELEV 93 THRE 89

REIL Rwy 23
HIRL Rwy 5-23 *

CATEGORY	A	B	C	D
S-ILS 5	289-½ 200 (200-½)			
S-LOC 5	560-½ 471 (500-½)		560-1 471 (500-1)	
CIRCLING	560-1 467 (500-1)		560-1½ 467 (500-1½)	660-2 567 (600-2)
OGOYO FIX MINIMUMS (DME REQUIRED)				
S-LOC 5	460-½ 371 (400-½)		460-⅝ 371 (400-⅝)	
CIRCLING	500-1 407 (500-1)	560-1 467 (500-1)	560-1½ 467 (500-1½)	660-2 567 (600-2)

FAF to MAP 6 NM

Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : I-OAJ	City : JACKSONVILLE	Ident : OAJ	State : NC
Type/Class : LOC	Frequency : M108.7	Reference No.: 11096473	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 758150-001	232	0	19	21	45

Requirement: FOR FIX UFISA ON OAJ-ILS OR LOC RWY 5		
Signature: nauzo aishat	Routing Symbol:	Date: 09/15/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 758150-001	232	0	19	21	45	APPROVE

Requirement/Remarks: FOR FIX UFISA ON OAJ-ILS OR LOC RWY 5Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.		
Signature: Cassella Charles	Routing Symbol:	Date: 09/20/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 758150-001	232	0	19	21	45	APPROVE

Requirement/Remarks: FOR FIX UFISA ON OAJ-ILS OR LOC RWY 5Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.		
Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/20/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 758150-001	232	0				

Requirement/Remarks:		
Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : I-OAJ	City : JACKSONVILLE	Ident : OAJ	State : NC
Type/Class : DME	Frequency : M985	Reference No. : 11096474	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 840514-001	232	0	19	21	45

Requirement: FOR FIX UFISA ON OAJ ILS OR LOC RWY 5

Signature: nauzo aishat	Routing Symbol:	Date: 09/15/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 840514-001	232	0	19	21	45	APPROVE

Requirement/Remarks: FOR FIX UFISA ON OAJ ILS OR LOC RWY 5Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 09/20/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 840514-001	232	0	19	21	45	APPROVE

Requirement/Remarks: FOR FIX UFISA ON OAJ ILS OR LOC RWY 5Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

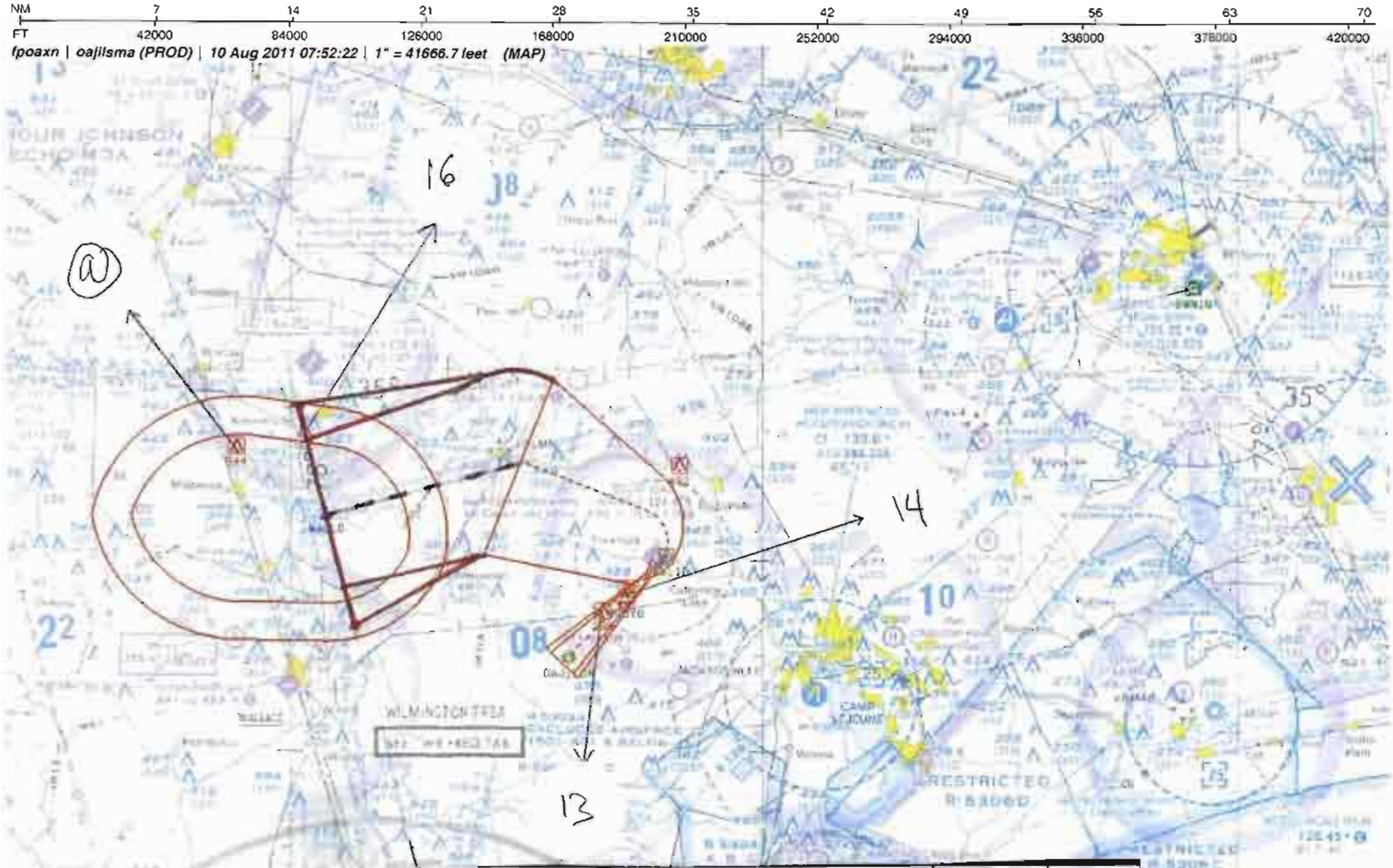
Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/20/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 840514-001	232	0				

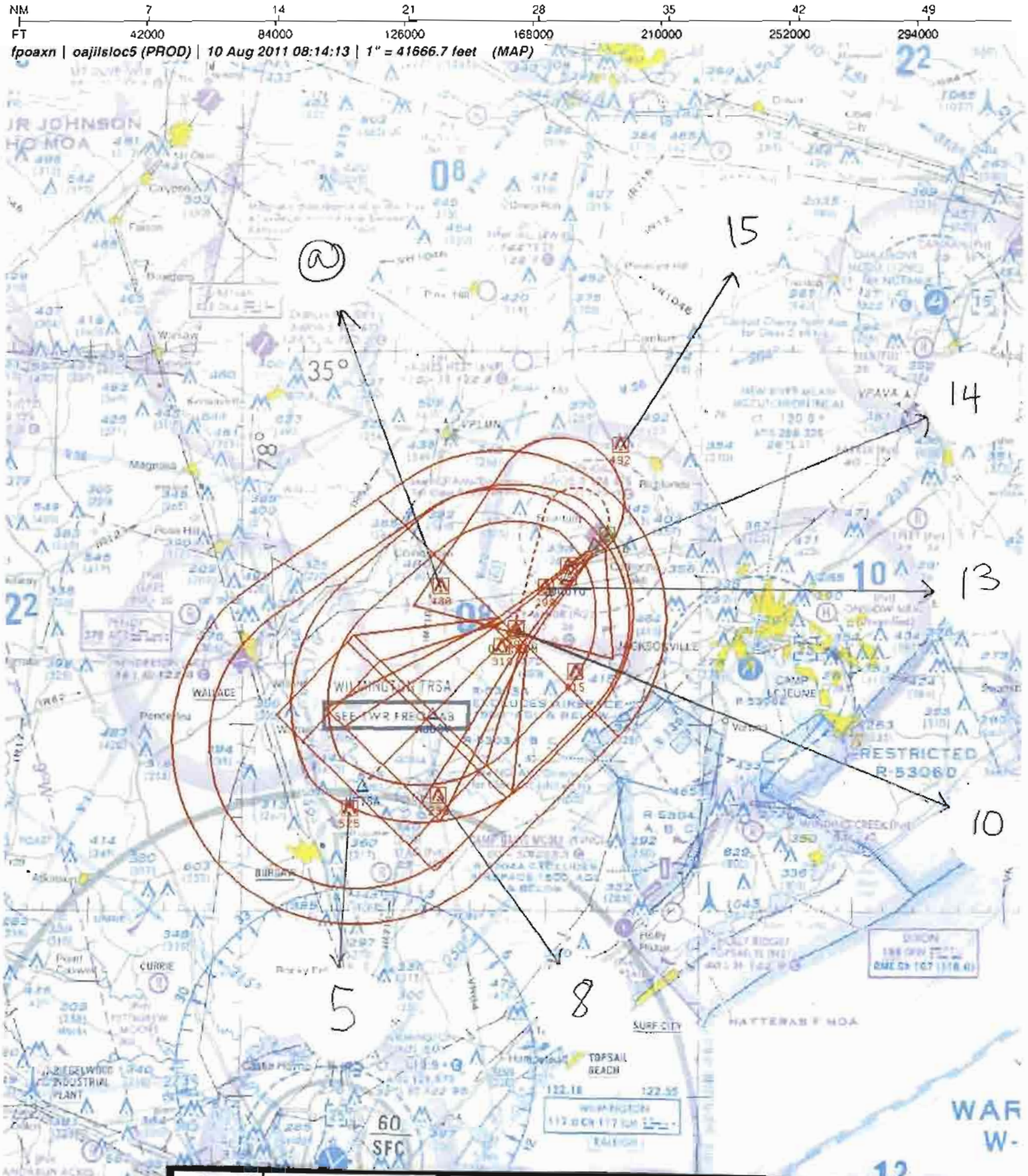
Requirement/Remarks:

Signature:	Routing Symbol:	Date:



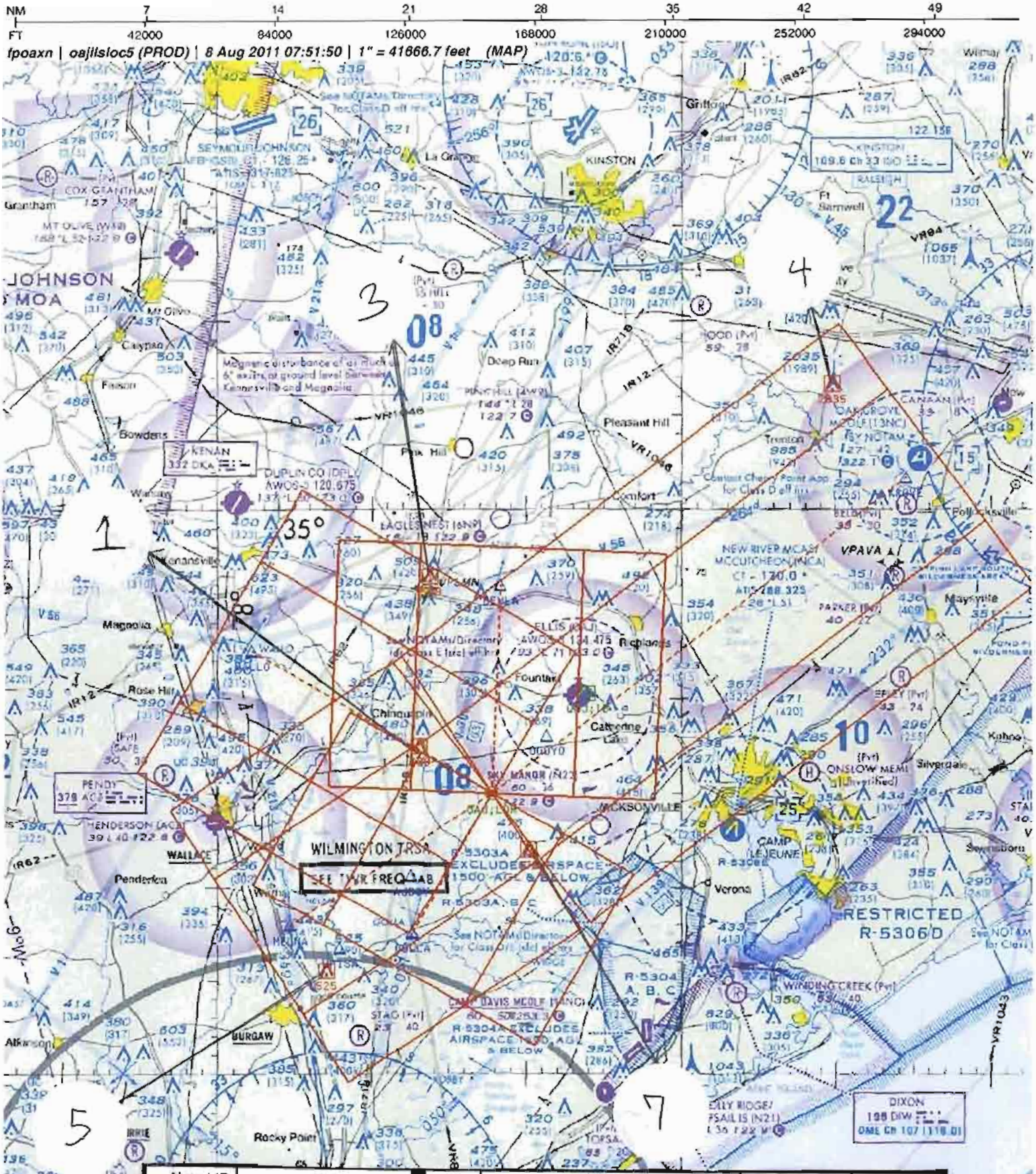
Airport ID:	KOAJ
Apt Name:	ALBERT J ELLIS
City:	JACKSONVILLE
State:	NC
Proc ID:	ILS OR LOC RWY 5
Number:	AMDT 9
Scale:	1:500,000
	ALTERNATE MISSED

ID	SEGMENT	OBSTRUCTION	ELEV
13	FINAL-LOC	AAO	298
14	STEPDOWN	TREE	191
16	MA LEVEL SURFACE	TOWER	623
@	MA HOLDING	TOWER	544



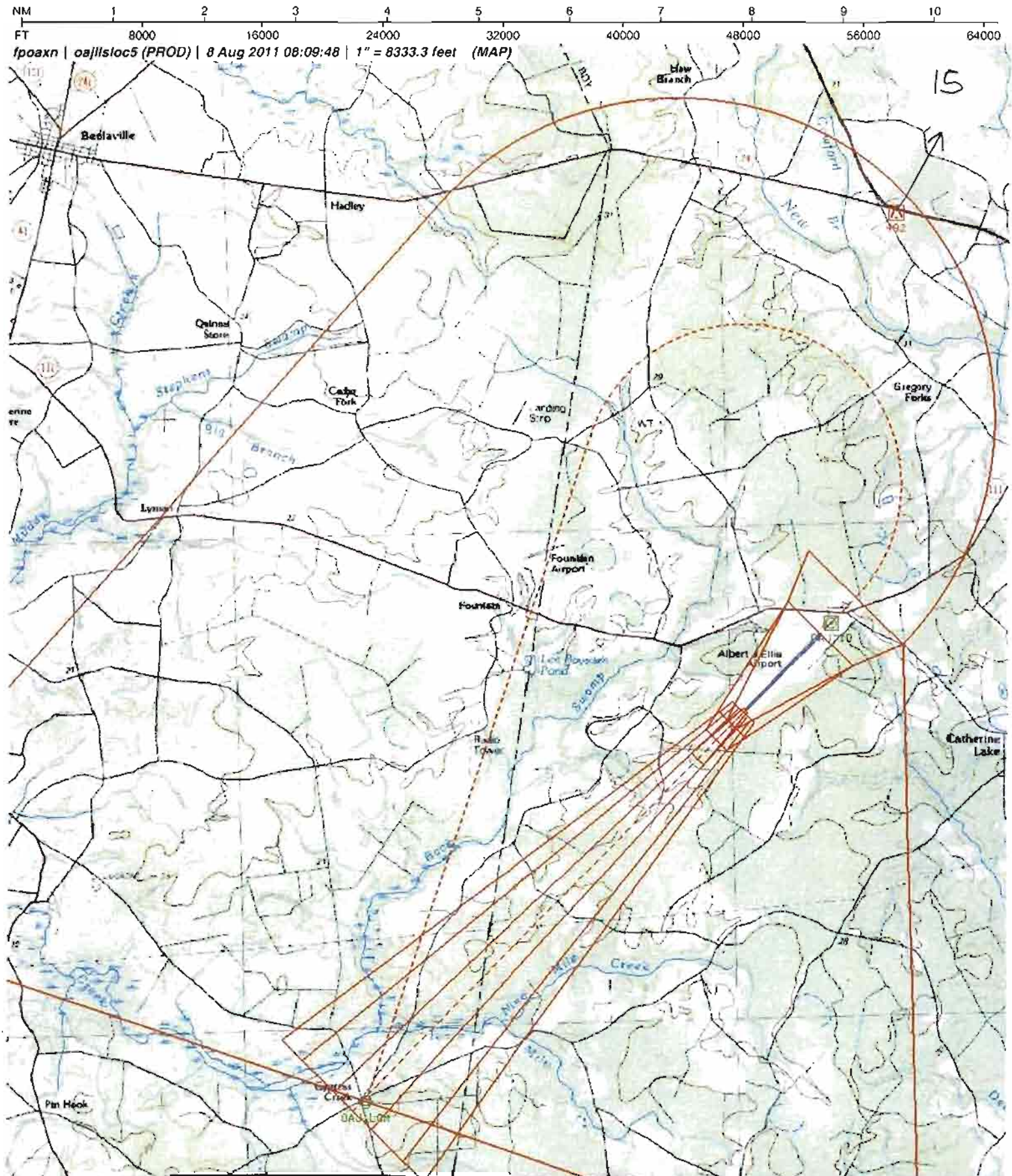
Airport ID:	KOAJ
Apt Name:	ALBERT J ELLIS
City:	JACKSONVILLE
State:	NC
Proc ID:	ILS OR LOC RWY 5
Number:	AMDT 9
Scale:	1:500,000
	(FEEDERS OFF)

ID	SEGMENT	OBSTRUCTION	ELEV
8	INITIAL	AAO	239
5	PT	TOWER	525
10	INTERMEDIATE	AAO	298
13	FINAL-LOC	AAO	298
14	STEPDOWN	TREE	191
15	MA LEVEL SURFACE	TOWER	492
@	MA HOLDING	TOWER	480



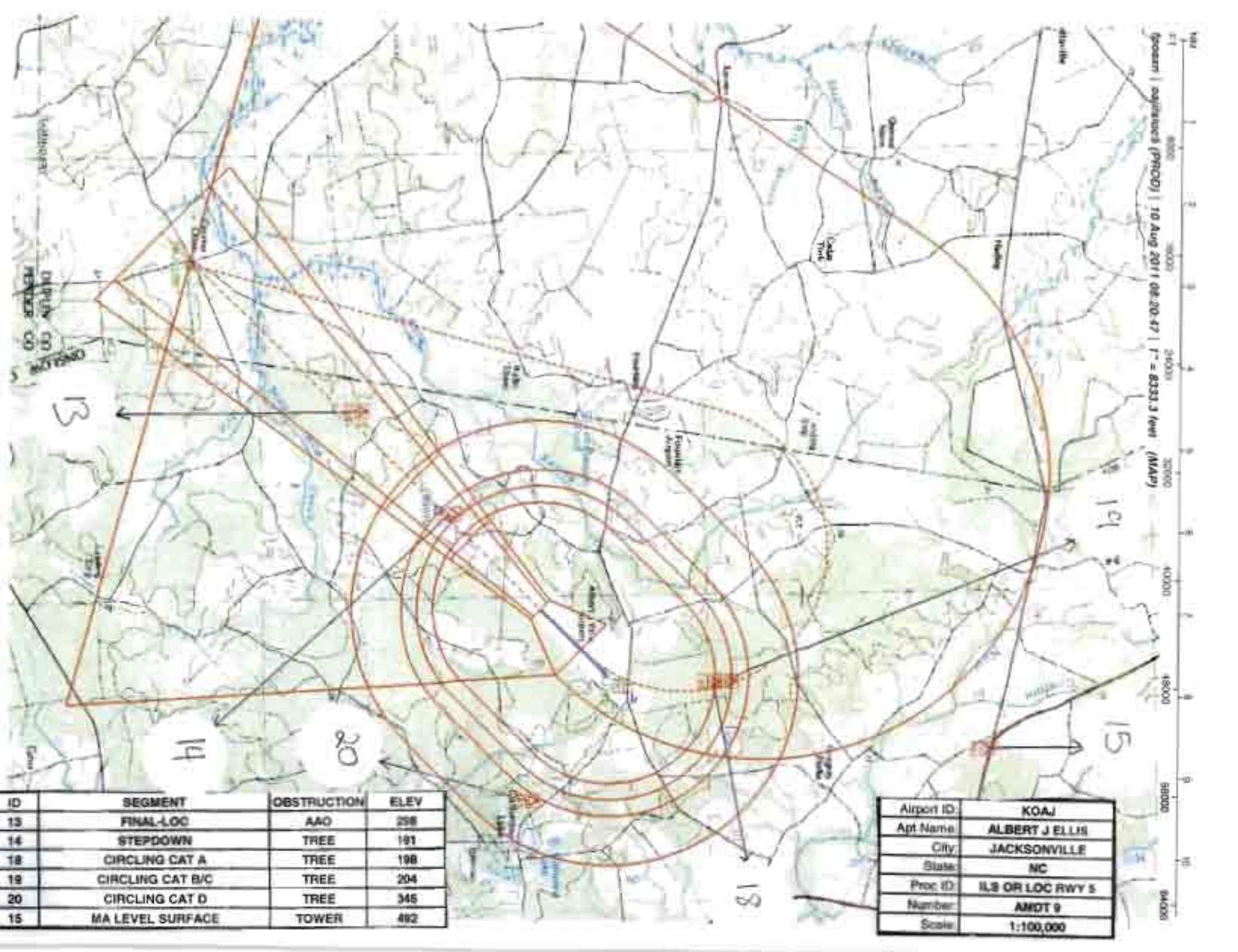
Airport ID:	KOAJ
Apt Name:	ALBERT J ELLIS
City:	JACKSONVILLE
State:	NC
Proc ID:	ILS OR LOC RWY 5
Number:	AMDT 9
Scale:	1:500,000
	(FEEDERS ON)

ID	SEGMENT	OBSTRUCTION	ELEV
3	BUELA FEEDER	TOWER	509
5	HELNA FEEDER	TOWER	525
7	GOLLA FEEDER	TOWER	476
4	KROVE FEEDER	TOWER	2035
1	WALLO FEEDER	TOWER	480



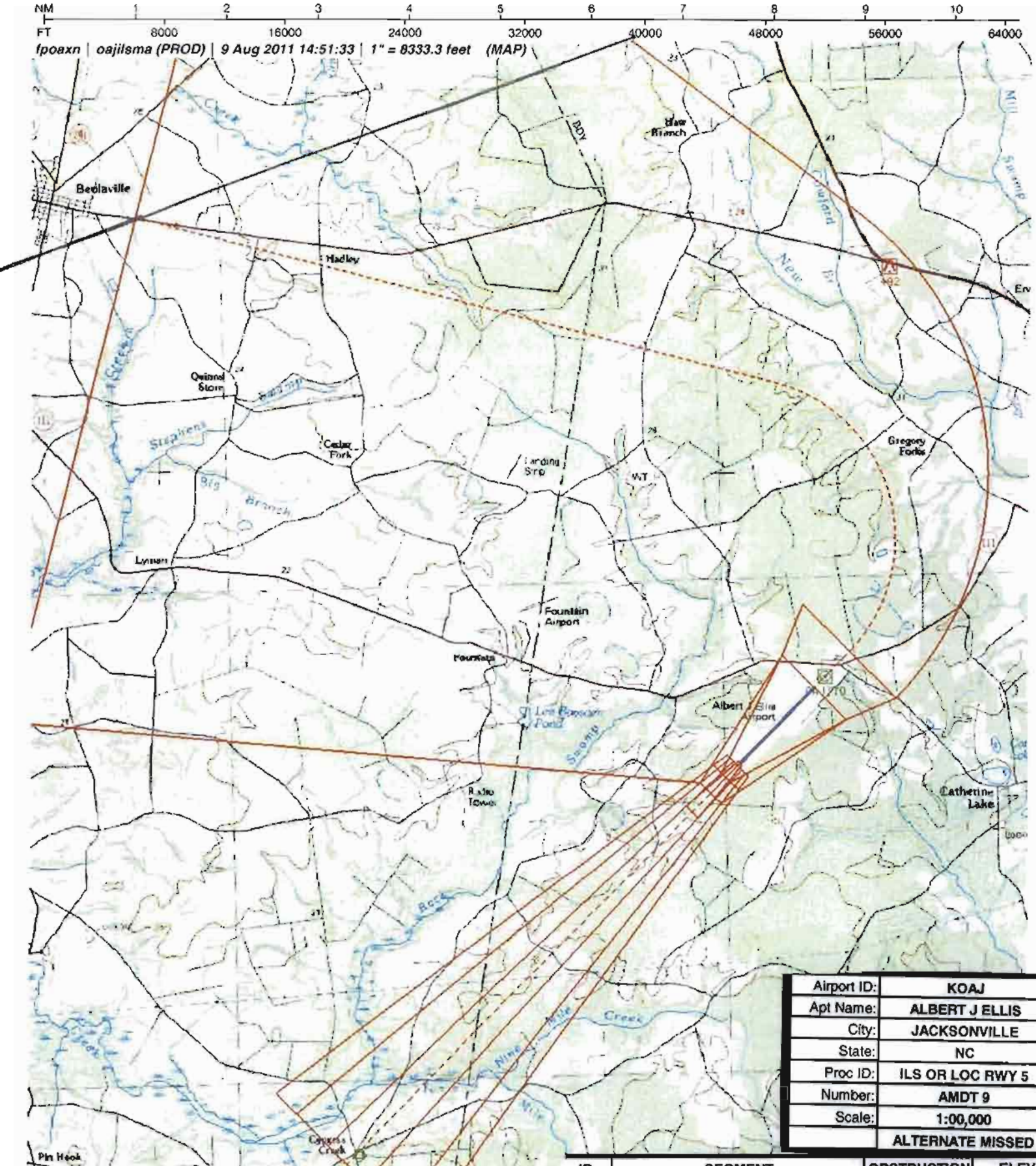
Airport ID:	KOAJ
Apt Name:	ALBERT J ELLIS
City:	JACKSONVILLE
State:	NC
Proc ID:	ILS OR LOC RWY 5
Number:	AMDT 9
Scale:	1:100,000

ID	SEGMENT	OBSTRUCTION	ELEV
	FINAL-ILS	ASC	
15	MA LEVEL SURFACE	TOWER	492



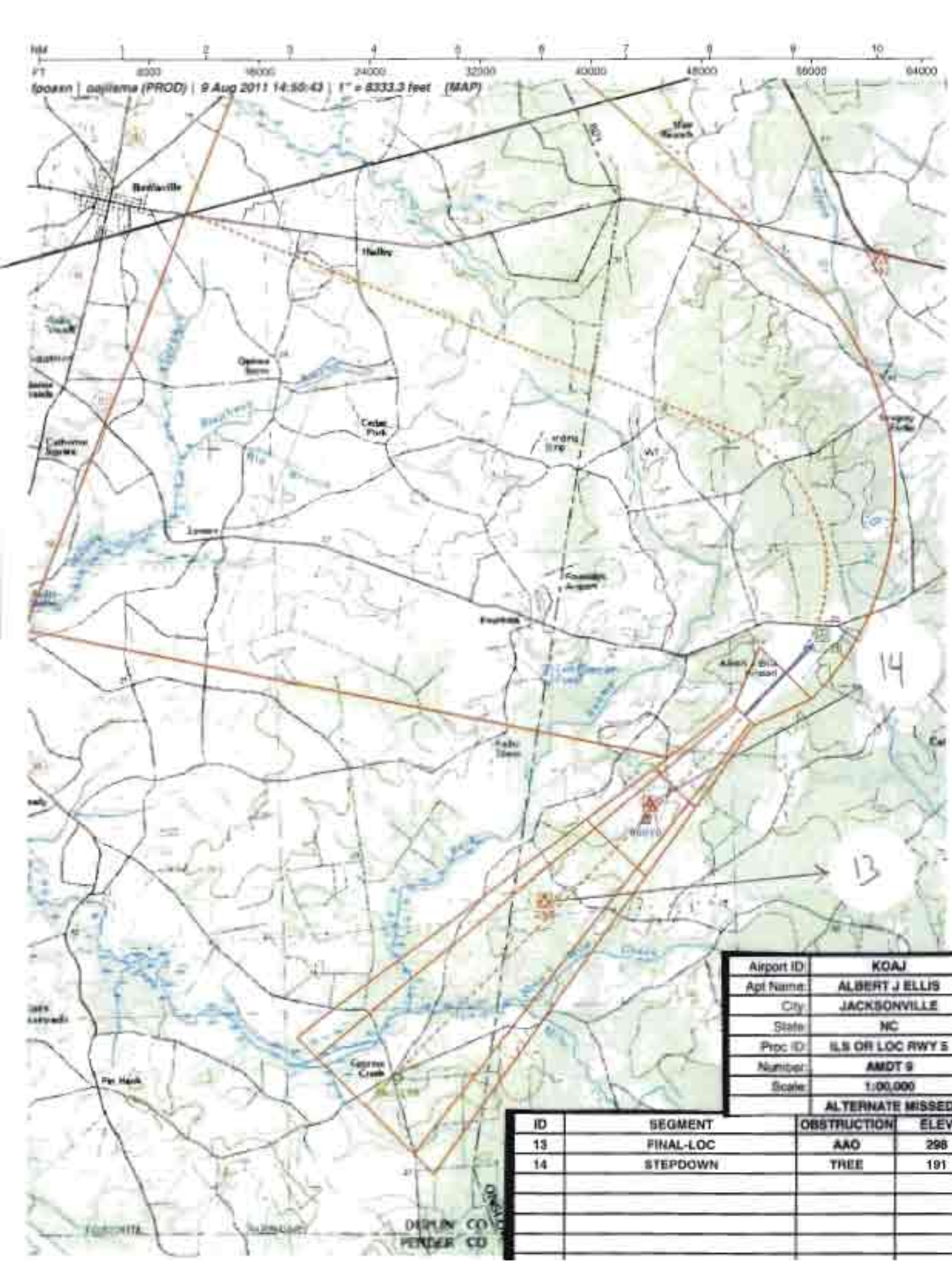
ID	SEGMENT	OBSTRUCTION	ELEV
13	FINAL-LOC	AAO	258
14	STEPDOWN	TREE	191
18	CIRCLING CAT A	TREE	198
19	CIRCLING CAT B/C	TREE	204
20	CIRCLING CAT D	TREE	345
15	MA LEVEL SURFACE	TOWER	492

Airport ID:	KOAJ
Apt Name:	ALBERT J ELLIS
City:	JACKSONVILLE
State:	NC
Proc ID:	ILS OR LOC RWY 5
Number:	AMDT 9
Scale:	1:100,000



Airport ID:	KOAJ
Apt Name:	ALBERT J ELLIS
City:	JACKSONVILLE
State:	NC
Proc ID:	ILS OR LOC RWY 5
Number:	AMDT 9
Scale:	1:00,000
	ALTERNATE MISSED

ID	SEGMENT	OBSTRUCTION	ELEV
	FINAL-ILS	ASC	



Airport ID:	KOAJ
Apt Name:	ALBERT J ELLIS
City:	JACKSONVILLE
State:	NC
Proc ID:	ILS OR LOC RWY 5
Number:	AMDT 9
Scale:	1:00,000
	ALTERNATE MISSED

ID	SEGMENT	OBSTRUCTION	ELEV
13	FINAL-LOC	AAO	298
14	STEPDOWN	TREE	191

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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
WALLO INT	ELLAS LOM/I-OAJ 7.30 DME	128.69 / 14.81	2100
BEULA INT	ELLAS LOM/I-OAJ 7.30 DME	190.52 / 11.04	2100
KROVE INT	ELLAS LOM/I-OAJ 7.30 DME	240.90 / 27.69	2600
HELNA INT	ELLAS LOM/I-OAJ 7.30 DME	064.76 / 12.85	2100
GOLLA INT	ELLAS LOM/I-OAJ 7.30 DME	037.71 / 8.54	2100
UFISA/I-OAJ 18.84 DME/RADAR (IAF)	AJDOV/I-OAJ 13.41 DME (NOPT)	052.39 / 5.43 (I-OAJ)	2100
AJDOV/I-OAJ 13.41 DME (IF)	ELLAS LOM/I-OAJ 7.30 DME	052.39 / 6.11 (I-OAJ)	2100

MISSED APPROACH

ILS: DA
LOC: 5.97 MILES AFTER ELLAS LOM OR AT I-OAJ 1.33 DME FIX

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2100 DIRECT ELLAS LOM/I-OAJ 7.30 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 600 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 300 AND EWN VOR/DME R-264 TO WALLO INT AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, LT, 052.39 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W WALLO INT, RT, 102.00 INBOUND.
CHART FAS OBST: 191 TREE 344812N/0773836W
CHART VDP AT 2.32 DME*;
DISTANCE VDP TO THLD 0.99 MILES.
*LOC ONLY.

1. PT R SIDE OF COURSE 232.39 OUTBOUND 2100 FT WITHIN 10 MILES OF ELLAS LOM (IAF)
2.
3. FAC: 052.39 FAF: ELLAS LOM/I-OAJ 7.30 DME DIST FAF TO MAP: 5.97 THLD: 5.97
4. MIN. ALT: ELLAS LOM 2100, OGOYO/I-OAJ 3.03 DME 560*
5. DIST TO THLD FROM OM: 5.97 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1046
6. MIN GS INCPT: 2100 GS ALT AT: - OM: 2078 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 54.9
8. MSA FROM: OA LOM 3100

MAG VAR: 8W EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD # LOC: STANDARD @

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
S-ILS 5	289	1/2	200	289	1/2	200	289	1/2	200	289	1/2	200			
S-LOC 5	560	1/2	471	560	1/2	471	560	1	471	560	1	471			
CIRCLING	560	1	467	560	1	467	560	1 1/2	467	660	2	567			
OGOYO FIX MINIMUMS (DME REQUIRED)															
S-LOC 5	460	1/2	371	460	1/2	371	460	5/8	371	460	5/8	371			
CIRCLING	500	1	407	560	1	467	560	1 1/2	467	660	2	567			

NOTES:
CHART PLANVIEW NOTE: ADF OR DME REQUIRED.
CHART NOTE: VDP NA WITH WILMINGTON ALTIMETER SETTING.
*660 WHEN USING WILMINGTON ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILMINGTON ALTIMETER SETTING AND (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 93 THRE: 89 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
JACKSONVILLE, NC	ALBERT J ELLIS	I-OAJ	ILS OR LOC RWY 5, AMDT 9	AMDT: 8A
				DATED 05/07/2009

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]	[X] **ILM APP CON, ZDC, APRT MGR**

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
DONALD E. SMITH (AISHAT NAUZO)	**AJV-352**	**08/02/2011**

APPROVED BY

NAME:	FIFO	DATE:
DARRYEL ADAMS MANAGER	**AJV-352**	

CHANGES:

1 CHANGED HELNA & GOLLA FROM INITIALS CONNECTING TO AJDOV.
2 REMOVED TARUY.
3 REMOVED NOPT NOTE FROM HELNA AND GOLLA ARRIVALS.
4 ESTABLISHED NEW INITIAL ROUTE FROM UFISA AND CHANGED IT FROM A CNF TO A DME/ RADAR FIX FROM I-OAJ LOC DME.
5 ADDED RADAR REQUIRED FOR ARRIVALS AT UFISA.
6 ADDED NOPT NOTE TO UFISA.
7 CHANGED ALTERNATE MISSED APPROACH FROM PENDY.
8 ADDED ALTERNATE MISSED APPROACH TO WALLO INT.
9 ADDED OGOYO SDF AT OAJ 3.03 DME, OAJ LOM TO OGOYO DISTANCE 4.27NM AND OGOYO TO VDP DISTANCE 0.7NM.
10 CHANGED S-ILS 5 FROM ALL CATS 290-1/2 200
11 CHANGED S-LOC 5 FROM CATS A/B/C 460-1/2 370 AND CAT D 460-3/4 370.
12 ADDED SDF MINIMA
13 ADDED CHART NOTE ADF REQUIRED.

REASONS:

1 FEEDER ROUTES FROM FIXES ARE CONNECTED TO ELLAS LOM TO MEET DESCENT GRADIENT CRITERIA.
2 DR LEG NO LONGER NEEDED.
3, HELNA AND GOLLA ARE NOW FEEDERS THAT REQUIRE A PT.
4, 5 HELNA NO LONGER GOES TO UFISA AND AIR TRAFFIC REQUESTS THAT IT REMAINS AS A RADAR FIX.
6 THE UFISA INITIAL IS STRAIGHT-IN ALIGNED.
7,8 WALLACE (ACZ) NDB USED FOR HOLDING IS BEING DECOMMISSIONED.
9 NEW OBSTRUCTIONS AND DESCENT GRADIENT.
10,11,12, NEW OBSTRUCTIONS.
13 APPLIES TO PRIMARY MISSED.

PDF EDITS:
8260-9, BACK, ALTIMETER SETTING ADJ, ADDED 93 FOR KILM.

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

INCREASE ALL DA 93 FEET AND ALL MDA 100 FEET, INCREASE S-LOC 5 CATS C/D VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT C VISIBILTY 1/8 MILE; INCREASE OGOYO FIX MINIMUMS,S-LOC 5 CATS C/D VISIBILITY 3/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 5 CATS C/D VISIBILITY TO 1 3/8 MILE, INCREASE OGOYO FIX MINIMUMS S-LOC 5 CATS C/D VISIBILITY TO 1 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING WILMINGTON ALTIMETER SETTING, INCREASE S-ILS 5 ALL CATS VISIBILITY TO 7/8 MILE, INCREASE S-LOC 5 CATS C/D VISIBILITY TO 1 5/8 MILE, INCREASE OGOYO FIX MINIMUMS S-LOC 5 CATS C/D VISIBILITY TO 1 3/8 MILE.

CHART NOTE: ADF REQUIRED.

CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT UFISA.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 93 THRE: 89	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JACKSONVILLE, NC	AIRPORT NAME: **ALBERT J ELLIS**	**I-OAJ**	**ILS OR LOC RWY 5, AMDT 9**	AMDT: **8A**
				DATED: **05/07/2009**

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

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:

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 - ILS

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        EWN   K7011360VDL  N35042331W077024224    N35042331W077024224W0080000091     NARNEW BERN
          SUSAD KOAJK7 IOAJ  K7010870 IT                    IOAJN34501846W077360745     000970     NARALBERT J ELLIS

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
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          SUSAEAENRT   BEULA K70    C   L N34560489W077414051                    W0095     NAR          BEULA
          SUSAEAENRT   ELLAS K70    R   L N34450326W077421773                    W0094     NAR          ELLAS LOM
          SUSAEAENRT   GOLLA K70    R   L N34373604W077472358                    W0093     NAR          GOLLA
          SUSAEAENRT   HELNA K70    C   L N34375788W077551720                    W0092     NAR          HELNA
          SUSAEAENRT   KROVE K70    R   L N35014277W077152244                    W0098     NAR          KROVE
          SUSAEAENRT   UFISA K70    R     N34364677W077520413                    W0093     NAR          UFISA
          SUSAEAENRT   WALLO K70    R   L N34523524W077574489                    W0093     NAR          WALLO

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KOAJK7AOAJ     0     071YHN34494500W077364370W008000093        1800018000C    MNAR    ALBERT J ELLIS

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KOAJK7FI05   ABEULA 010BEULAK7EA0E       IF                                          18000              0 NS
          SUSAP KOAJK7FI05   ABEULA 020ELLASK7EA0E       TF                                + 02100                  0 NS
          SUSAP KOAJK7FI05   ABEULA 030ELLASK7EA0EE AL   PI EWN K7      2475037927740100D  + 02100                  0 NS
          SUSAP KOAJK7FI05   AGOLLA 010GOLLAK7EA0E       IF                                          18000              0 NS
          SUSAP KOAJK7FI05   AGOLLA 020ELLASK7EA0E       TF                                + 02100                  0 NS
          SUSAP KOAJK7FI05   AGOLLA 030ELLASK7EA0EE AL   PI EWN K7      2475037927740100D  + 02100                  0 NS
          SUSAP KOAJK7FI05   AHELNA 010HELNAK7EA0E       IF                                          18000              0 NS
          SUSAP KOAJK7FI05   AHELNA 020ELLASK7EA0E       TF                                + 02100                  0 NS
          SUSAP KOAJK7FI05   AHELNA 030ELLASK7EA0EE AL   PI EWN K7      2475037927740100D  + 02100                  0 NS
          SUSAP KOAJK7FI05   AKROVE 010KROVEK7EA0E       IF                                          18000              0 NS
          SUSAP KOAJK7FI05   AKROVE 020ELLASK7EA0E       TF                                + 02600                  0 NS
          SUSAP KOAJK7FI05   AKROVE 030ELLASK7EA0EE AL   PI EWN K7      2475037927740100D  + 02100                  0 NS
          SUSAP KOAJK7FI05   AUFISA 010UFISAK7EA0E  A    IF                                          18000              0 NS
          SUSAP KOAJK7FI05   AUFISA 020AJDOVK7EA0EE B    CF IOAJK7      2324013405240054PI + 02100                  0 NS
          SUSAP KOAJK7FI05   AWALLO 010WALLOK7EA0E       IF                                          18000              0 NS
          SUSAP KOAJK7FI05   AWALLO 020ELLASK7EA0E       TF                                + 02100                  0 NS
          SUSAP KOAJK7FI05   AWALLO 030ELLASK7EA0EE AL   PI EWN K7      2475037927740100D  + 02100                  0 NS
          SUSAP KOAJK7FI05   I      010AJDOVK7EA0E  I     IF IOAJK7      23240134        PI  J 021000210018000       0 NS
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 93 THRE: 89	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, NC	AIRPORT NAME: **ALBERT J ELLIS**	**I-OAJ**	**ILS OR LOC RWY 5, AMDT 9**	AMDT: **8A**
				DATED: **05/07/2009**

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

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:

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.

```
SUSAP KOAJK7FI05   I      020ELLASK7EA0E  F    CF IOAJK7      2324007305200061PI  H 0210002078        -300OA    K7PN0 NS
SUSAP KOAJK7FI05   I      030RW05 K7PG0GY M    CF IOAJK7      2324001305200060PI    00144               -300         0 NS
SUSAP KOAJK7FI05   I      040         0  M     CA                        0524       + 00600                         0 NS
SUSAP KOAJK7FI05   I      050ELLASK7EA0EY  L   DF                                   + 02100                         0 NS
SUSAP KOAJK7FI05   I      060ELLASK7EA0EE  L   HM                        0524T010   + 02100                         0 NS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KOAJK7GRW05     0071000524 N34491989W077371347+0000     -0009600089000055150IIOAJ1

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KOAJK7IIOAJ1    010870RW05 N34501711W0773605530524N34493005W0773708120996 10460495300W00805500086

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KOAJK7SOA    K7PN                0    18018003125                                                            M

          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAPNKOAJK7 OA     K7002610HOLW N34450184W077421597                    W0080          NARELLAS
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 93 THRE: 89	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, NC	AIRPORT NAME: ALBERT J ELLIS	I-OAJ	ILS OR LOC RWY 5, AMDT 9	AMDT: 8A
				DATED: 05/07/2009

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

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

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BEULA	BEULA	010		IF		FB					
	BEULA	ELLAS	020		TF		FB				AA 02100	
	BEULA	ELLAS	030	IAF	PI	L	FB		277.4()	010.0	AA 02100	
	GOLLA	GOLLA	010		IF		FB					
	GOLLA	ELLAS	020		TF		FB				AA 02100	
	GOLLA	ELLAS	030	IAF	PI	L	FB		277.4()	010.0	AA 02100	
	HELNA	HELNA	010		IF		FB					
	HELNA	ELLAS	020		TF		FB				AA 02100	
	HELNA	ELLAS	030	IAF	PI	L	FB		277.4()	010.0	AA 02100	
	KROVE	KROVE	010		IF		FB					
	KROVE	ELLAS	020		TF		FB				AA 02600	
	KROVE	ELLAS	030	IAF	PI	L	FB		277.4()	010.0	AA 02100	
	UFISA	UFISA	010	IAF	IF		FB					
	UFISA	AJDOV	020		CF		FB		052.4()	005.4	AA 02100	
	WALLO	WALLO	010		IF		FB					
	WALLO	ELLAS	020		TF		FB				AA 02100	
	WALLO	ELLAS	030	IAF	PI	L	FB		277.4()	010.0	AA 02100	
		AJDOV	010	FACF	IF		FB				AA 02100 GI 02100	
		ELLAS	020	FAF	CF		FB		052.0()	006.1	GI 02100 GS 02078	
		RW05	030	MAP	CF		FO		052.0()	006.0	AT 00144	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		052.4()		AA 00600	
	ELLAS	050		DF	L	FO				AA 02100	
	ELLAS	060		HM	L	FO		052.4()	T01.0	AA 02100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EWN	N350423.31	W0770242.24	N3504.389	W07702.704
	IOAJ (DME)	N345018.46	W0773607.45	N3450.308	W07736.124
	AJDOV	N344040.46	W0774728.47	N3440.674	W07747.475
	BEULA	N345604.89	W0774140.51	N3456.082	W07741.675
	ELLAS	N344503.26	W0774217.73	N3445.054	W07742.296
	GOLLA	N343736.04	W0774723.58	N3437.601	W07747.393
	HELNA	N343757.88	W0775517.20	N3437.965	W07755.287
	KROVE	N350142.77	W0771522.44	N3501.713	W07715.374
	UFISA	N343646.77	W0775204.13	N3436.780	W07752.069
	WALLO	N345235.24	W0775744.89	N3452.587	W07757.748
	RW05	N344919.89	W0773713.47	N3449.332	W07737.225
	IOAJ (LOC)	N345017.11	W0773605.53	N3450.285	W07736.092
	OA	N344501.84	W0774215.97	N3445.031	W07742.266

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 93 THRE: 89	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, NC	AIRPORT NAME: **ALBERT J ELLIS**	**I-OAJ**	**ILS OR LOC RWY 5, AMDT 9**	AMDT: **8A**
				DATED: **05/07/2009**

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

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:

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.

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW05	00089	55

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 93 THRE: 89	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, NC	AIRPORT NAME: ALBERT J ELLIS	I-OAJ	ILS OR LOC RWY 5, AMDT 9	AMDT: 8A
				DATED: 05/07/2009

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

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
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.25

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 - LOC

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        EWN   K7011360VDL  N35042331W077024224    N35042331W077024224W0080000091     NARNEW BERN
        SUSAD KOAJK7 IOAJ  K7010870 IT                     IOAJN34501846W077360745     000970     NARALBERT J ELLIS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AJDOV K70    R     N34404046W077472847                      W0093     NAR           AJDOV
        SUSAEAENRT   BEULA K70    C   L N34560489W077414051                      W0095     NAR           BEULA
        SUSAEAENRT   ELLAS K70    R   L N34450326W077421773                      W0094     NAR           ELLAS LOM
        SUSAEAENRT   GOLLA K70    R   L N34373604W077472358                      W0093     NAR           GOLLA
        SUSAEAENRT   HELNA K70    C   L N34375788W077551720                      W0092     NAR           HELNA
        SUSAEAENRT   KROVE K70    R   L N35014277W077152244                      W0098     NAR           KROVE
        SUSAEAENRT   OGOYO K70    C     N34480687W077384012                      W0095     NAR           OGOYO
        SUSAEAENRT   UFISA K70    R     N34364677W077520413                      W0093     NAR           UFISA
        SUSAEAENRT   WALLO K70    R   L N34523524W077574489                      W0093     NAR           WALLO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOAJK7AOAJ     0     071YHN34494500W077364370W008000093         1800018000C    MNAR    ALBERT J ELLIS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOAJK7FL05   ABEULA 010BEULAK7EA0E       IF                                                18000                 0 NS
        SUSAP KOAJK7FL05   ABEULA 020ELLASK7EA0E       TF                                      + 02100                         0 NS
        SUSAP KOAJK7FL05   ABEULA 030ELLASK7EA0EE AL   PI EWN K7      2475037927740100D   + 02100                         0 NS
        SUSAP KOAJK7FL05   AGOLLA 010GOLLAK7EA0E       IF                                                18000                 0 NS
        SUSAP KOAJK7FL05   AGOLLA 020ELLASK7EA0E       TF                                      + 02100                         0 NS
        SUSAP KOAJK7FL05   AGOLLA 030ELLASK7EA0EE AL   PI EWN K7      2475037927740100D   + 02100                         0 NS
        SUSAP KOAJK7FL05   AHELNA 010HELNAK7EA0E       IF                                                18000                 0 NS
        SUSAP KOAJK7FL05   AHELNA 020ELLASK7EA0E       TF                                      + 02100                         0 NS
        SUSAP KOAJK7FL05   AHELNA 030ELLASK7EA0EE AL   PI EWN K7      2475037927740100D   + 02100                         0 NS
        SUSAP KOAJK7FL05   AKROVE 010KROVEK7EA0E       IF                                                18000                 0 NS
        SUSAP KOAJK7FL05   AKROVE 020ELLASK7EA0E       TF                                      + 02600                         0 NS
        SUSAP KOAJK7FL05   AKROVE 030ELLASK7EA0EE AL   PI EWN K7      2475037927740100D   + 02100                         0 NS
        SUSAP KOAJK7FL05   AUFISA 010UFISAK7EA0E  A    IF                                                18000                 0 NS
        SUSAP KOAJK7FL05   AUFISA 020AJDOVK7EA0EE B    CF IOAJK7      2324013405240054PI  + 02100                         0 NS
        SUSAP KOAJK7FL05   AWALLO 010WALLOK7EA0E       IF                                                18000                 0 NS
        SUSAP KOAJK7FL05   AWALLO 020ELLASK7EA0E       TF                                      + 02100                         0 NS
        SUSAP KOAJK7FL05   AWALLO 030ELLASK7EA0EE AL   PI EWN K7      2475037927740100D   + 02100                         0 NS
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 93 THRE: 89	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, NC	AIRPORT NAME: ALBERT J ELLIS	I-OAJ	ILS OR LOC RWY 5, AMDT 9	AMDT: 8A
				DATED: 05/07/2009

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

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:

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.

```
SUSAP KOAJK7FL05   L     010AJDOVK7EA0E  I    IF IOAJK7      23240134        PI  + 02100     18000                  0 NS
SUSAP KOAJK7FL05   L     020ELLASK7EA0E  F    CF IOAJK7      2324007305200061PI  + 02100                  OA    K7PN0 NS
SUSAP KOAJK7FL05   L     021OGOYOK7EA0E S     CF IOAJK7      2324003005200043PI  + 00560              -309          0 NS
SUSAP KOAJK7FL05   L     030RW05 K7PG0GY M    CF IOAJK7      2324001305200017PI    00144              -309          0 NS
SUSAP KOAJK7FL05   L     040         0  M     CA                      0524        + 00600                        0 NS
SUSAP KOAJK7FL05   L     050ELLASK7EA0EY  L   DF                                  + 02100                        0 NS
SUSAP KOAJK7FL05   L     060ELLASK7EA0EE  L   HM                      0524T010    + 02100                        0 NS

            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KOAJK7GRW05     0071000524 N34491989W077371347+0000     -0009600089000055150IIOAJ1

            1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KOAJK7IIOAJ1   010870RW05 N34501711W0773605530524N34493005W0773708120996 10460495300W00805500086

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KOAJK7SOA   K7PN              0   18018003125                                                              M

            1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAPNKOAJK7 OA    K7002610HOLW N34450184W077421597                    W0080          NARELLAS
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 93 THRE: 89	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, NC	AIRPORT NAME: **ALBERT J ELLIS**	**I-OAJ**	**ILS OR LOC RWY 5, AMDT 9**	AMDT: **8A**
				DATED: **05/07/2009**

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

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BEULA	BEULA	010		IF		FB					
	BEULA	ELLAS	020		TF		FB				AA 02100	
	BEULA	ELLAS	030	IAF	PI	L	FB		277.4()	010.0	AA 02100	
	GOLLA	GOLLA	010		IF		FB					
	GOLLA	ELLAS	020		TF		FB				AA 02100	
	GOLLA	ELLAS	030	IAF	PI	L	FB		277.4()	010.0	AA 02100	
	HELNA	HELNA	010		IF		FB					
	HELNA	ELLAS	020		TF		FB				AA 02100	
	HELNA	ELLAS	030	IAF	PI	L	FB		277.4()	010.0	AA 02100	
	KROVE	KROVE	010		IF		FB					
	KROVE	ELLAS	020		TF		FB				AA 02600	
	KROVE	ELLAS	030	IAF	PI	L	FB		277.4()	010.0	AA 02100	
	UFISA	UFISA	010	IAF	IF		FB					
	UFISA	AJDOV	020		CF		FB		052.4()	005.4	AA 02100	
	WALLO	WALLO	010		IF		FB					
	WALLO	ELLAS	020		TF		FB				AA 02100	
	WALLO	ELLAS	030	IAF	PI	L	FB		277.4()	010.0	AA 02100	
		AJDOV	010	FACF	IF		FB				AA 02100	
		ELLAS	020	FAF	CF		FB		052.0()	006.1	AA 02100	
		OGOYO	021	SDF	CF		FB		052.0()	004.3	AA 00560	
		RW05	030	MAP	CF		FO		052.0()	001.7	AT 00144	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		052.4()		AA 00600	
	ELLAS	050		DF	L	FO				AA 02100	
	ELLAS	060		HM	L	FO		052.4()	T01.0	AA 02100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EWN	N350423.31	W0770242.24	N3504.389	W07702.704
	IOAJ (DME)	N345018.46	W0773607.45	N3450.308	W07736.124
	AJDOV	N344040.46	W0774728.47	N3440.674	W07747.475
	BEULA	N345604.89	W0774140.51	N3456.082	W07741.675
	ELLAS	N344503.26	W0774217.73	N3445.054	W07742.296
	GOLLA	N343736.04	W0774723.58	N3437.601	W07747.393
	HELNA	N343757.88	W0775517.20	N3437.965	W07755.287
	KROVE	N350142.77	W0771522.44	N3501.713	W07715.374
	OGOYO	N344806.87	W0773840.12	N3448.115	W07738.669
	UFISA	N343646.77	W0775204.13	N3436.780	W07752.069
	WALLO	N345235.24	W0775744.89	N3452.587	W07757.748
	RW05	N344919.89	W0773713.47	N3449.332	W07737.225

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 93 THRE: 89	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, NC	AIRPORT NAME: **ALBERT J ELLIS**	**I-OAJ**	**ILS OR LOC RWY 5, AMDT 9**	AMDT: **8A**
				DATED: **05/07/2009**

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

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:

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.

IOAJ (LOC)	N345017.11	W0773605.53	N3450.285	W07736.092
OA	N344501.84	W0774215.97	N3445.031	W07742.266

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW05	00089	55

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 93 THRE: 89	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, NC	AIRPORT NAME: ALBERT J ELLIS	I-OAJ	ILS OR LOC RWY 5, AMDT 9	AMDT: 8A
				DATED: 05/07/2009

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

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.
FEEDER	WALLO INT	ELLAS LOM/I-OAJ	1. TOWER (37-000887)	344705.00N/0774657.00W	480 (5E)	1000	AT620	2100
		7.30 DME	2. TERRAIN	344754.00N/0774103.00W	151 (200)		AS1500	1700
FEEDER	BEULA INT	ELLAS LOM/I-OAJ	3. TOWER (37-001699)	345606.00N/0774612.00W	509 (2C)	1000	AT591	2100
		7.30 DME	2. TERRAIN	344754.00N/0774103.00W	151 (200)		AS1500	1700
FEEDER	KROVE INT	ELLAS LOM/I-OAJ	4. TOWER (37-000800)	350616.00N/0772011.00W	2035 (5D)	1000	SA-500	2600
		7.30 DME	2. TERRAIN	344754.00N/0774103.00W	151 (200)		AS1500	1700
FEEDER	HELNA INT	ELLAS LOM/I-OAJ	5. TOWER (37-020055)	343506.59N/0775254.83W	525 (1A)	1000	AT575	2100
		7.30 DME	6. TERRAIN	344627.00N/0774545.00W	119 (100)		AS1500	1600
FEEDER	GOLLA INT	ELLAS LOM/I-OAJ	7. TOWER (37-003146)	344137.33N/0773951.32W	475 (1A)	1000	AT625	2100
		7.30 DME	6. TERRAIN	344627.00N/0774545.00W	119 (100)		AS1500	1600
INITIAL	UFISA/I-OAJ	AJDOV/I-OAJ	8. AAO	343551.17N/0774704.32W	239 (2C)	1000	AT861	2100
	18.84 DME	13.41 DME	9. TERRAIN	343551.17N/0774704.32W	39 (0)		AS1500	1500
INTERMEDIATE	AJDOV/I-OAJ	ELLAS LOM/I-OAJ	10. AAO	344404.37N/0774400.63W	298 (2C)	500	AT1302	2100
	13.41 DME	7.30 DME	11. TERRAIN	344404.37N/0774400.63W	98 (100)		AS1500	1600
2. PROCEDURE TURN	ELLAS LOM	10 NM	5. TOWER (37-020055)	343506.59N/0775254.83W	525 (1A)	1000	AT575	2100
			6. TERRAIN	344627.00N/0774545.00W	119 (100)		AS1500	1600
3. MISSED APPROACH MAP:	DA / 5.97 MILES	ELLAS LOM/I-OAJ				ASC		2100
	AFTER ELLAS LOM	7.30 DME	15. TOWER (37-001745)	345440.90N/0773514.40W	492 (1A)	1000		1500
ELEV:	121/210		2. TERRAIN	344754.00N/0774103.00W	151 (200)		AS1500	1700

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	467 / 407	18. TREE	345123.00N/0773610.00W	198 (2C)	300	SI	560 / 500
CATEGORY B	1.5 NM	450	467 / 467	19. TREE	345135.24N/0773610.69W	204 (2C)	300	SI / HAA	560 / 560
CATEGORY C	1.7 NM	450	467 / 467	19. TREE	345135.24N/0773610.69W	204 (2C)	300	SI / HAA	560 / 560
CATEGORY D	2.3 NM	550	567 / 567	20. TOWER (37-020065)	344910.35N/0773422.96W	345 (2C)	300		660 / 660
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **OA LOM**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	MSA
360-360	TWR (37-000800)	048/ 27.9	2035 (5D)	3100					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 93 AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
JACKSONVILLE, NC	ALBERT J ELLIS	I-OAJ	ILS OR LOC RWY 5, AMDT 9	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ILM APP CON **ZDC ARTCC** **RDU FSS**	N W S / FAA / A/C — OTHER: **AWOS-3**	SOURCE: **KOAJ / KILM** DISTANCE: **0 / 36.42** HOURS REMOTE OPERATION: **24**
SATISFACTORY ON:		
X V H F X U H F H F	LOCATION:	ADJUSTMENT: **0 / 93**

4. MONITOR STATUS	PRIMARY NAVAID: **I-OAJ**	
	MONITOR POINT: **KILM APP CON**	
	HRS OPTN: CAT 1	**24**
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		**ALS**
		(S) SALS
	X	**MALSR 05 (PCL)**
	X	**HIRL 05 (PCL), 23 (PCL)**
		MIRL
	X	**REIL 23 (PCL)**
		TDZ
		C/LINE
	X	**OTHER (SPECIFY)** **PAPI-4L 05 (PCL), 23 (PCL)**

6. RUNWAY MARKINGS	BASIC		
	ALL WEATHER	**PIR-G 05**	
	INSTRUMENT	**NPI-G 23**	
7. RUNWAY VISUAL RANGE	APPROACH		
	MIDFIELD		
	ROLL OUT		
8. GLIDE PATH	GP ANGLE: **3.00**		ELEV RWY THRESHOLD: **89.1**
	DISTANCE FROM RWY: **1046**		ELEV GP ANTENNA: **89.2**
			THRESHOLD CROSSING HEIGHT: **54.9**

9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: **NONE**

QUALITY CHECKED

PART D - PREPARED BY: **DONALD E. SMITH (AISHAT NAUZO)**	DATE: **08/02/2011**
TITLE: **AERONAUTICAL INFORMATION SPECIALIST**	OFFICE: **AJV-352**

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RASS PRESSURE PATTERNS SAME
KOAJ 93.1, KILM 31.5
RA = 92.4.
SEE ATTACHED AIRSPACE LETTER.

VEGETATION HEIGHT 100 FEET, PER FPT.

VGSI DATA 3.00/55
KOAJ AWOS ON SERVICE A, KILM ASOS ON SERVICE A.
BLOCK 4: SECONDARY NAVAID: OA NDB MONITOR STATUS: ELLAS NDB/LOM PUBLISHED IN AFD AS UNMONITORED. CAT 3 24.

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
16. TOWER (37-003186) 345633.59N/0775905.38W 623 (1A)
1000 1700
17. TERRAIN 350000.00N/0775448.00W 168 (200) AS1500
1700

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE: PT	10 NM	ELLAS LOM/I-OAJ	9. AAO	344351.00N/0774257.00W	319 (4E)	500	AC98 AT1183	2100
		7.30 DME	10. TERRAIN	344351.00N/0774257.00W	119 (100)		AS1500	1600
FINAL: ILS	GS INTCP	RW05				ASC		289/200
FINAL: LOC	ELLAS LOM/I-OAJ	OGOYO/I-OAJ 3.03	13. AAO	344702.33N/0774007.36W	298 (2C)	250		560
	7.30 DME	DME						
FINAL: LOC STEPDOWN	OGOYO/I-OAJ 3.03	5.97 MILES AFTER	14. TREE (KOAJT6083)	344812.03N/0773836.39W	191 (1A)	250		460
	DME	ELLAS LOM OR AT						
		I-OAJ 1.33 DME						
		FIX						
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)

CHANGE 2 CHECKED

CITY AND STATE	ELEVATION: 93 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
JACKSONVILLE, NC	ALBERT J ELLIS	I-OAJ	ILS OR LOC RWY 5, AMDT 9	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ NWS ☐ FAA ☐ A/C OTHER:	SOURCE: DISTANCE: HOURS REMOTE OPERATION:
☐ VHF ☐ UHF ☐ HF	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:

RADIO FIX AND HOLDING DATA RECORD

NAME: AJDOV **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 344040.46N/0774728.47W **TYPE:** DME

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

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	JACKSONVILLE	I-OAJ	LOC/DME		232.39	224.39	13.41	13.42		2100	4500

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

REMARKS:
FAC 1 DME COORDINATES 345018.46N-0773607.45W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 5	1		KOAJ	JACKSONVILLE	NC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
UPDATED FAC 1 COORDINATES.
UPDATED FAC 1 DME COORDINATES.
ADDED FAC 1 MRA AND DISTANCE FROM FAC.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 07/18/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ILM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: BEULA **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 345604.89N/0774140.51W **TYPE:** WP, INT, DME

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

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	KINSTON	ISO	VORTAC	L	199.43	194.43	26.98	26.98		2000	17500
2	NEW BERN	EWN	VOR/DME	L	263.66	255.66	33.07	33.07		3000	17500

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

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	S	ISO	VORTAC	199.43	019.43	R	1		3000	14000	6	12
2	S		WP	202.43	022.43	R		4	3000	6000	5	6
3	E	EWN	VOR/DME	263.66	263.66	R	1		3000	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-001699)	345606.00N/0774612.00W	509	2C
2	200	TOWER (37-001699)	345606.00N/0774612.00W	509	2C
3	200	TOWER (37-001699)	345606.00N/0774612.00W	509	2C

HOLDING RESTRICTIONS:
HOLDING PAT 1 & 3 FOR ATC USE.
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
KINSTON (FAC 1) AND NEW BERN (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V56	1, 2				(US)
EN ROUTE	V70	1, 2				(US)
IAP	ILS OR LOC RWY 5	1		KOAJ	JACKSONVILLE	NC (US)
IAP	NDB RWY 5	1, 2		KOAJ	JACKSONVILLE	NC (US)
IAP	RNAV (GPS) RWY 23			KDPL	KENANSVILLE	NC (US)
IAP	RNAV (GPS) RWY 5			KDPL	KENANSVILLE	NC (US)
IAP	ILS RWY 5	1, 2		KISO	KINSTON	NC (US)
IAP	RNAV (GPS) RWY 22		2	KEWN	NEW BERN	NC (US)
IAP	RNAV (GPS) RWY 4			KEWN	NEW BERN	NC (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
ADDED REMARK KINSTON (FAC 1) AND NEW BERN (FAC 2) USED TO ESTABLISH FIX COORDINATES.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/02/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ILM APCH, GSB APCH
OTHER: NKT APP CON

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ELLAS LOM **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 344503.26N/0774217.73W **TYPE:** INT, DME

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

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	ELLAS	OA	LOM							2000	17500
2	JACKSONVILLE	I-OAJ	LOC/DME		232.39	224.39	7.30	7.31	44390	2000	4500

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

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	SW	OA	LOM	232.03	052.03	L	1		2000	14000	4	10
2	SW	OA	LOM	232.39	052.39	L	1		2000	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-000887)	344705.00N/0774657.00W	480	5E
1	230	TOWER (37-000887)	344705.00N/0774657.00W	480	5E
2	200	TOWER (37-000887)	344705.00N/0774657.00W	480	5E
2	230	TOWER (37-000887)	344705.00N/0774657.00W	480	5E

REASON FOR NONSTANDARD HOLDING:
PAT 1 AIRSPACE
PAT 2 AIRSPACE

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE ELLAS LOM.
ACTUAL FACILITY LOCATION IS 344501.84N/0774215.97W.
FAC 2 DME COORDINATES 345018.46N/0773607.45W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 5	1, 2	2	KOAJ	JACKSONVILLE	NC (US)
IAP	NDB RWY 5	1, 2	1	KOAJ	JACKSONVILLE	NC (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
UPDATED FAC 2 DME COORDINATES.
CHANGED FAC 2 RADIAL/COURSE/BEARING INFORMATION FROM 224.40 TO 224.39.
UPDATED PAT 2 COURSE.
UPDATED FIX USE.
ADDED DISTANCE FROM FAC IN NM TO FAC 2.

DEVELOPED BY: **DATE:** 07/26/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ILM APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GOLLA **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 343736.04N/0774723.58W **TYPE:** INT, DME

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

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	WILMINGTON	ILM	VORTAC	H	021.25	014.25	17.00	17.00		8000	17500
2	FAYETTEVILLE	FAY	VOR/DME	L	115.54	111.54		57.76		5000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FAY	VOR/DME	R-116	58	4000	17500

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

REMARKS:
WILMINGTON (FAC 1) AND FAYETTEVILLE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V-70	1, 2				(US)
IAP	ILS OR LOC RWY 5	1, 2		KOAJ	JACKSONVILLE	NC (US)
IAP	NDB RWY 5	1, 2		KOAJ	JACKSONVILLE	NC (US)
IAP	TACAN-A	1, 2		KILM	WILMINGTON	NC (US)

REQUIRED CHARTING: MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
UPDATED ESV FORMAT.
UPDATED FIX USE.
ADDED DISTANCE FROM FAC FOR BOTH FAC 1 AND FAC 2.
ADDED REMARK KINSTON (FAC 1) AND NEW BERN (FAC 2) USED TO ESTABLISH FIX COORDINATES.
RAISED FAC 1 MRA FROM 5000 TO 8000.

DEVELOPED BY: **DATE:** 07/18/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ILM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HELNA **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 343757.88N/0775517.20W **TYPE:** WP, INT, DME

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

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	WILMINGTON	ILM	VORTAC	H	359.12	352.12	17.00	17.00		8000	17500
2	FAYETTEVILLE	FAY	VOR/DME	L	117.89	113.89		51.64		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FAY	VOR/DME	R-118	52	3000	17500

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

REMARKS:
WILMINGTON (FAC 1) AND FAYETTEVILLE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V213	1, 2				(US)
IAP	ILS OR LOC RWY 5	1, 2		KOAJ	JACKSONVILLE	NC (US)
IAP	NDB RWY 5	1, 2		KOAJ	JACKSONVILLE	NC (US)
IAP	RNAV (GPS) RWY 5			KOAJ	JACKSONVILLE	NC (US)
IAP	TACAN-A	1, 2		KILM	WILMINGTON	NC (US)

REQUIRED CHARTING: MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
RAISED FAC 1 MRA FROM 3000 TO 8000.
LOWERED FAC 2 MRA FROM 3000 TO 2100.
DELETED FAC 3 CUVAL.
UPDATED ESV FORMAT.
UPDATED FIX USE.
DELETED PAT 1 AND ASSOCIATED RESTRICTION.
REMOVED PRECIPITOUS TERRAIN EVALUATION COMPLETED REMARK.
ADDED DISTANCE FROM FAC FOR BOTH FAC 1 AND FAC 2.
ADDED REMARK WILMINGTON (FAC 1) AND FAYETTEVILLE (FAC 2) USED TO ESTABLISH FIX COORDINATES.

03/23/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/18/2011.
1. FAC 2 (FAY) MRA UPDATED TO REV 5'S 3000' FROM REV 6'S 2100' TO MATCH EXISTING ESV.

DEVELOPED BY: **DATE:** 07/18/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ILM APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KROVE **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 350142.77N/0771522.44W **TYPE:** INT

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

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	NEW BERN	EWN	VOR/DME	L	263.66	255.66		10.74		2400	17500
2	KINSTON	ISO	VORTAC	L	149.00	144.00		25.33		2400	17500

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

REMARKS:
NEW BERN (FAC 1) AND KINSTON (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V56	1, 2				(US)
IAP	ILS OR LOC RWY 5	1, 2		KOAJ	JACKSONVILLE	NC (US)
IAP	NDB RWY 5	1, 2		KOAJ	JACKSONVILLE	NC (US)
IAP	ILS OR LOC RWY 04	1, 2		KEWN	NEW BERN	NC (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
ADDED REMARK NEW BERN (FAC 1) AND KINSTON (FAC 2) USED TO ESTABLISH FIX COORDINATES.

DEVELOPED BY: **DATE:** 09/02/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ILM APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OGOYO **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 344806.87N/0773840.12W **TYPE:** WP, DME

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

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	JACKSONVILLE	I-OAJ	LOC/DME		232.39	224.39	3.03	3.03		460	4500

REMARKS:
FAC 1 DME COORDINATES 345018.46N-0773607.45W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 5	1		KOAJ	JACKSONVILLE	NC (US)
IAP	RNAV (GPS) RWY 5			KOAJ	JACKSONVILLE	NC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 12/15/2011

DEVELOPED BY: **DATE:** 07/26/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ILM APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: UFISA **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 343646.77N/0775204.13W **TYPE:** RADAR, DME

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

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	JACKSONVILLE	I-OAJ	LOC/DME		232.39	224.39	18.84	18.85		2100	4500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-OAJ	LOC/DME	R-232	19	2100	4500

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

REMARKS:
FAC 1 DME COORDINATES 345018.46N-0773607.45W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 5	1		KOAJ	JACKSONVILLE	NC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
ADDED FAC 1.
UPDATED FIX USE.
CHANGED FIX TYPE FROM CNF TO DME.
ADDED REMARK FAC 1 DME COORDINATES.
ADDED ESV.

DEVELOPED BY: **DATE:** 07/18/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ILM APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WALLO **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 345235.24N/0775744.89W **TYPE:** INT, DME

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

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	GRAND STRAND	CRE	VORTAC	L	033.53	030.53	74.06	74.06		7000	17500
2	FAYETTEVILLE	FAY	VOR/DME	L	102.00	098.00	45.49	45.49		2000	17500
3	KINSTON	ISO	VORTAC	L	219.00	214.00	35.68	35.68		2000	17500
4	NEW BERN	EWN	VOR/DME	L	263.66	255.66	46.74	46.74		3000	17500
5	WILMINGTON	ILM	VORTAC	H	359.12	352.12	31.74	31.74		8000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FAY	VOR/DME	R-102	46	2000	17500
CRE	VORTAC	R-034	75	7000	17500
EWN	VOR/DME	R-264	47	3000	17500

FIX RESTRICTIONS:
MCA V1 7000 SOUTHWEST BOUND

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	W	FAY	VOR/DME	282.00	102.00	R	1		3000	14000	6	12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-003186)	345633.59N/0775905.38W	623	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
FAYETTEVILLE (FAC 2) AND KINSTON (FAC 3) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V213	2, 5				(US)
EN ROUTE	V1	2, 3				NC (US)
EN ROUTE	V56	2, 3				NC (US)
IAP	ILS OR LOC RWY 5	2, 3	1	KOAJ	JACKSONVILLE	NC (US)
IAP	NDB RWY 5	2, 3		KOAJ	JACKSONVILLE	NC (US)
IAP	RNAV (GPS) RWY 5			KOAJ	JACKSONVILLE	NC (US)
IAP	LOC/NDB RWY 23	2, 3		KDPL	KENANSVILLE	NC (US)
IAP	ILS RWY 5	2, 3		KISO	KINSTON	NC (US)
IAP	GPS RWY 27			KACZ	WALLACE	NC (US)
IAP	GPS RWY 9			KACZ	WALLACE	NC (US)
IAP	NDB RWY 27	2, 3		KACZ	WALLACE	NC (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
ADDED FAC 4 EWN.
ADDED FAC 5 ILM
ADDED EWN ESV.
ADDED PAT 1.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 07/28/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

QUALITY CHECKED

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZDC
ATC FACILITY: GSB APP CON
OTHER: ILM APP CON

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: FAYETTEVILLE VOR/DME **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 345907.98N/0785230.22W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

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	FAYETTEVILLE	FAY	VOR/DME	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	TOWER (37-001791)	344751.00N/0790241.00W	1250	2D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2500.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-5311 A-B-C AND FT BRAGG NORTH A,B OR SOUTH A,B MOA.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PANTHER			KCLT	CHARLOTTE	NC (US)
DP	PANTHER			KJQF	CONCORD	NC (US)
DP	MOUNTY			KFAY	FAYETTEVILLE	NC (US)
DP	PANTHER			KAKH	GASTONIA	NC (US)
DP	TRIAD			KGSO	GREENSBORO	NC (US)
DP	PANTHER			KEQY	MONROE	NC (US)
DP	FAYETTEVILLE			KRDU	RALEIGH/DURHAM	NC (US)
DP	HOOKZ (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)
DP	RALEIGH			KRDU	RALEIGH/DURHAM	NC (US)
DP	TAR HEEL			KRDU	RALEIGH/DURHAM	NC (US)
DP	TRIAD			KINT	WINSTON-SALEM	NC (US)
DP	WINSTON			KINT	WINSTON-SALEM	NC (US)
DP	PANTHER			KUZA	ROCK HILL	SC (US)
EN ROUTE	V136					(US)
EN ROUTE	V157					(US)
EN ROUTE	V296					(US)
EN ROUTE	V54					(US)
EN ROUTE	V56					(US)
IAP	LOC RWY 6			KCTZ	CLINTON	NC (US)
IAP	VOR/DME-A			KCTZ	CLINTON	NC (US)
IAP	VOR/DME RWY 15			KEYF	ELIZABETHTOWN	NC (US)
IAP	LOC/DME RWY 5			KHRJ	ERWIN	NC (US)
IAP	NDB RWY 23			KHRJ	ERWIN	NC (US)
IAP	VOR/DME RWY 5			KHRJ	ERWIN	NC (US)
IAP	ILS OR LOC/DME RWY 4			KFAY	FAYETTEVILLE	NC (US)
IAP	LOC BC RWY 22			KFAY	FAYETTEVILLE	NC (US)
IAP	VOR RWY 22			KFAY	FAYETTEVILLE	NC (US)
IAP	VOR RWY 28			KFAY	FAYETTEVILLE	NC (US)
IAP	VOR RWY 4			KFAY	FAYETTEVILLE	NC (US)
IAP	NDB RWY 27			KFBG	FORT BRAGG	NC (US)
IAP	RNAV (GPS) RWY 27			KFBG	FORT BRAGG	NC (US)
IAP	ILS OR LOC RWY 5			KOAJ	JACKSONVILLE	NC (US)
IAP	RNAV (GPS) RWY 13			KLBT	LUMBERTON	NC (US)
IAP	ILS RWY 5			KSOP	PINEHURST/SOUTHERN PINES	NC (US)
IAP	VOR/DME OR GPS-A			K5W4	RAEFORD	NC (US)
IAP	NDB RWY 7			KBBP	BENNETTSVILLE	SC (US)
IAP	ILS OR LOC RWY 36			KMYR	MYRTLE BEACH	SC (US)
STAR	CHESTERFIELD			KCLT	CHARLOTTE	NC (US)
STAR	HUSTN (RNAV)			KCLT	CHARLOTTE	NC (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 11/18/2010

REASON FOR REVISION:
1. UNPLANNED HOLDING NOTE MOVED TO HOLDING RESTRICTIONS.
2. PRECIPITOUS TERRAIN EVALUATION ADDED TO REMARKS.
3. FIX USE UPDATED.

DEVELOPED BY:	**DATE:** 04/13/2010	**OFFICE:** AVN-110	**NAME:** PETER GUIMOND
APPROVED BY:	**DATE:** 08/05/2010	**OFFICE:** AVN-110	**NAME:** GEORGE DAVIS
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: FAY APP CON, FBG ATCT
OTHER: USAASA

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **JACKSONVILLE** STATE: **NC**

AIRPORT NAME: **ALBERT J. ELLIS** ID: **KOAJ**

PROCEDURE: **ILS OR LOC RWY 5** AMDT: **9**

DOCKET # : **11-ASO-21**
(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 **3.00**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **0.87**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **044.39**
4. High Terrain in **FINAL** segment containing 1000' point **102**
5. Distance from **THLD** to 1500' point **5.14**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.33**
7. True Course of **FINAL** segment containing 1500' point **044.39**
8. High Terrain in **FINAL** segment containing 1500' point **102**
9. Threshold Coordinates (if straight-in) ... **344919.89N** / **0773713.47W**
10. ARP Coordinates ..... **344945.00N** / **0773643.70W**
11. Runway Approach End and distance furthest from ARP.....RWY **05**
    Distance **.58** NM
12. FAF Coordinates ..... **344501.84N** / **0774215.97W**
    (Click to Select)

REMARKS: Approach/Drawing attached.

RADIO FIX AND HOLDING DATA RECORD

NAME: TARUY **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 343941.75N/0774837.79W **TYPE:** CNF

CANCELLED

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ALBERT J ELLIS - ILS OR LOC RWY 5.			KOAJ	JACKSONVILLE	NC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/07/2009

REASON FOR REVISION:
AMENDED FIX COORDINATES.

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

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: ILM APP CON
OTHER:

QUALITY CHECKED