

**FEDERAL AVIATION ADMINISTRATION**  
**FLIGHT STANDARDS SERVICE**  
**ILS STANDARD INSTRUMENT APPROACH PROCEDURE**

**TITLE 14 CFR PART 97.29**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
 Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
CHARLOTTE/DOUGLAS INTL	KCLT	ILS OR LOC RWY 18R ILS RWY 18R SA CAT I, ILS RWY 18R CAT II, ILS RWY 18R CAT III	2	CHARLOTTE	NC	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
748	744	ILS OR LOC RWY 18R ILS RWY 18R SA CAT I, ILS RWY 18R CAT II, ILS RWY 18R CAT III	1A	05/24/2018	7W	2000
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-RGS			ROUTINE			

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
RUDKY/20.82 DME/RADAR	IAF	NELLA/17.67 DME/RADAR					182.96	3.15 (I-RGS)	6000
NELLA/17.67 DME/RADAR		WOVEN/14.51 DME/RADAR					182.96	3.15 (I-RGS)	5000
WOVEN/14.51 DME/RADAR	IF	EMERS/11.36 DME/RADAR					182.96	3.15 (I-RGS)	4000
EMERS/11.36 DME/RADAR		JHUNT/I-RGS 8.21 DME/RADAR					182.96	3.15 (I-RGS)	3000
JHUNT/I-RGS 8.21 DME/RADAR		AUDD/I-RGS 6.32 DME/RADAR					182.96	1.89 (I-RGS)	2400

**MISSED APPROACH**

**MAP:**

ILS: DA  
 LOC: 5.03 NM AFTER AUDD/I-RGS 6.32 DME/RADAR OR AT I-RGS 1.29 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 ON CLT VOR/DME R-250 TO STULL INT/CLT 13.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 280 AND BZM VOR/DME R-183 TO STULL/BZM 46.22 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000 (DME REQUIRED).



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT RUDKY

3. FAC:

182.96

FAF: AUUDD/I-RGS 6.32  
DME/RADAR

DIST FAF TO MAP: 5.03

DIST FAF TO THLD: 5.03

4. MIN ALT:

RUDKY/20.82 DME/RADAR 7000, NELLA/17.67 DME/RADAR 6000, WOVEN/14.51 DME/RADAR 5000, EMERS/11.36 DME/RADAR 4000, JHUNT/I-RGS 8.21 DME/RADAR 3000, AUUDD/I-RGS 6.32 DME/RADAR 2400, CILOV/I-RGS 2.59 DME 1200\*

5. DIST TO THLD FROM OM:

MM:

IM: 790

100 HAT: 864

150 HAT: 1818

GS ANT: 1078

6. MIN GS INCPT:

2400

GS ALT AT FAF : AUUDD/I-RGS 6.32 DME/RADAR 2400

OM:

MM:

IM: 840

7. GP ANGLE:

3.00

34:1:

20:1:

TCH: 55.1

8. MSA FROM: CLT VOR/DME 3800

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.  
DME OR RADAR REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 18R: CAT A, B, C, D RA 228, RVR 1400, HAT 150, DA 894 MSL.  
CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 18R: CAT A, B, C, D RA 106, RVR 1200, HAT 100, DA 844 MSL.  
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 18R: CAT A, B, C, D RVR 600  
CHART NOTE: CIRCLING NA AT NIGHT.  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: CILOV MINIMUMS: FOR INOPERATIVE ALS, INCREASE S-LOC 18R ALL CATS VISIBILITY TO RVR 4500.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART IN PLANVIEW: STULL/BZM 46.22 DME  
CHART VDP AT 2.07 DME\*  
DISTANCE VDP TO THLD 0.77 NM  
\* LOC ONLY  
CHART FAS OBST: 786 TREE 351344N/0805810W.  
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N STULL/BZM 46.22 DME, RT, 182.98 INBOUND.  
HOLD W, RT, 070.00 INBOUND



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

**ALTERNATE:** NA ☐ ILS: STANDARD; LOC: STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 18R	944	1800	200	944	1800	200	944	1800	200	944	1800	200			
S-LOC 18R	1200	2400	456	1200	2400	456	1200	4500	456	1200	4500	456			
CIRCLING	1380	1	632	1380	1	632	1500	2 1/4	752	1500	2 1/2	752			
CILOV FIX MINIMUMS (DME REQUIRED)															
S-LOC 18R	1040	2400	296	1040	2400	296	1040	2400	296	1040	2400	296			
CIRCLING	1380	1	632	1380	1	632	1500	2 1/4	752	1500	2 1/2	752			

**CHANGES - REASONS**

- ADDED NEW FAF AUUDD/I-RGS 6.32 DME/RADAR 2400 - ATC REQUEST.
- UPDATED DIST FAF TO MAP/THLD FROM 6.91/6.91 TO 5.03/5.03. - NEW FAF LOCATION.
- UPDATED SDF CILOV ALT AND DME FROM 2.84 DME/1280 TO 2.59 DME/1200 - OPTIMUM LOCATION, NEW OBS EVALUATION, REMOVED EXCESSIVE LENGTH OF FINAL ADJUSTMENT.
- UPDATED MIN GS INTCPT FROM 3000 TO 2400 - ATC REQUEST.
- UPDATED GS ALT AT FAF FROM JHUNT 3000 TO AUUDD /I-RGS 6.32 DME/RADAR 2400 - NEW FAF.
- UPDATED S-LOC 18R MDA/HAT ALL CATS FROM 1280/536 TO 1200/456.
- UPDATED VDP FROM 2.05 DME/0.76 MILES TO 2.07DME/0.77NM - RECALCULATED.
- UPDATED FAS OBST FROM 781 TOWER TO 786 TREE. - NEW CONTROLLING OBS
- ADDED CHART NOTE: CILOV MINIMUMS: FOR INOPERATIVE ALS, INCREASE S-LOC 18R ALL CATS VISIBILITY TO RVR 4500 - INOP LIGHTING NOTE REQUIRED.
- REMOVED CHART NOTE: DME OR RADAR REQUIRED REPLACED WITH EQUIPMENT REQUIREMENT NOTE: DME OR RADAR REQUIRED AND RADAR REQUIRED FOR PROCEDURE ENTRY. - CHARTING REQUIREMENTS IAW 8260.19H 8-6-8.
- DELETED CHART PLANVIEW NOTE: RADAR REQUIRED. - NO LONGER REQUIRED IAW 8260.19H 8-6-8.
- UPDATED CHART NOTE FROM VGSI AND ILS GLIDEPATH NOT COINCIDENT TO CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - UPDATED NOTE FORMAT.
- UPDATED 100 HAT VALUE FROM 859 TO 864- RECALCULATED.
- UPDATED 150 HAT FROM 1813 TO 1818 -RECALCULATED.
- UPDATED GS ANT FROM 1080 TO 1078 - AIRNAV DATA.
- REMOVED NON STANDARD ALT MIN FOR ILS CAT C/D - STANDARD IAW 8260.3 TABLE 3-4-1.



AIRPORT

CHARLOTTE/DOUGLAS INTL

AIRPORT ID

KCLT

PROCEDURE NAME

ILS OR LOC RWY 18R  
ILS RWY 18R SA CAT I,  
ILS RWY 18R CAT II,  
ILS RWY 18R CAT III

ORIGINAL/AMENDMENT

2

CITY

CHARLOTTE

STATE

NC

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZTL, CLT TRACON, AIRPORT MANAGER, CLT ATCT

FLIGHT CHECKED BY

OFFICE

DATE

*Digitally signed by*

DEVELOPED BY

**HEIDI SNIDER**

HEIDI SNIDER

Apr 23, 2019

OFFICE

AJV-A422

DATE

02/07/2019

APPROVED BY

JULIE MORGAN

OFFICE

AJV-A420

DATE

TITLE

MANAGER



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

<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
CHARLOTTE/DOUGLAS INTL	KCLT	ILS OR LOC RWY 18R ILS RWY 18R SA CAT I, ILS RWY 18R CAT II, ILS RWY 18R CAT III	2	CHARLOTTE	NC	748	I-RGS

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM  
RUDKY/20.82 DME/RADAR

TO  
NELLA/17.67 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u> 3.15	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.AAO	353321.00N/0810436.00W		1185	164	98	4E	1000				AT3815	6000
2.TERRAIN	353245.00N/0810415.00W		945 (900)								AS1500	2400

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM  
NELLA/17.67 DME/RADAR

TO  
WOVEN/14.51 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u> 3.15	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.TOWER (37-001216)	352716.00N/0810345.00W		1848	500	125	5E	1000				AT2152	5000
4.TERRAIN	352948.00N/0810027.00W		890 (900)								AS1500	2400

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
CHARLOTTE/DOUGLAS INTL	KCLT	ILS OR LOC RWY 18R ILS RWY 18R SA CAT I, ILS RWY 18R CAT II, ILS RWY 18R CAT III	2	CHARLOTTE	NC	748	I-RGS

INTERMEDIATE

FROM

WOVEN/14.51 DME/RADAR

TO

EMERS/11.36 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u> 3.15	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
5.TOWER (37-000966)	352500.40N/0805502.47W		1115	100	20	3C	500				AT2385	4000
6.TERRAIN	352551.00N/0810312.00W		854 (900)								AS1500	2400

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

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

EMERS/11.36 DME/RADAR

TO

JHUNT/I-RGS 8.21 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u> 3.15	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
7.AAO	352251.00N/0810036.00W		1073	164	98	4E	500				AT1329 AC98	3000
8.TERRAIN	352251.00N/0810036.00W		873 (900)								AS1500	2400

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

SEGMENT REMARKS:



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
CHARLOTTE/DOUGLAS INTL	KCLT	ILS OR LOC RWY 18R ILS RWY 18R SA CAT I, ILS RWY 18R CAT II, ILS RWY 18R CAT III	2	CHARLOTTE	NC	748	I-RGS

INTERMEDIATE: STEPDOWN

**FROM**  
JHUNT/I-RGS 8.21 DME/RADAR

**TO**  
AUUDD/I-RGS 6.32 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u> 1.89	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
9.AAO	352014.94N/0805840.06W		979	50	20	2C	500				AT921	2400
10.TERRAIN	352014.94N/0805840.06W		779 (800)								AS1500	2300

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

SEGMENT REMARKS:

FINAL: ILS

**FROM**  
AUUDD/I-RGS 6.32 DME/RADAR

**TO**  
RW18R

<u>RNP</u>	<u>DISTANCE</u> 5.03	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 200			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				944

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

SEGMENT REMARKS:



FINAL: ILS CAT II

FROM

AUUDD/I-RGS 6.32 DME/RADAR

TO

RW18R

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.03		DA	100								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				844

COMPUTATIONS

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

FINAL: ILS SA CAT I

FROM

AUUDD/I-RGS 6.32 DME/RADAR

TO

RW18R

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.03		DA	150								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				894

COMPUTATIONS

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





<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
CHARLOTTE/DOUGLAS INTL	KCLT	ILS OR LOC RWY 18R ILS RWY 18R SA CAT I, ILS RWY 18R CAT II, ILS RWY 18R CAT III	2	CHARLOTTE	NC	748	I-RGS

FINAL: LOC

FROM
AUUDD/I-RGS 6.32 DME/RADAR

TO
CILOV/I-RGS 2.59 DME

<u>RNP</u>	<u>DISTANCE</u> 3.73	<u>PAT</u>	<u>MAP</u>	<u>HAT</u> 456	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>	
11.AAO	351653.22N/0805804.61W	949	50	20	2C	250					1200	

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM
CILOV/I-RGS 2.59 DME

TO
5.03 NM AFTER AUUDD/I-RGS 6.32 DME/RADAR OR AT I-RGS 1.29 DME

<u>RNP</u>	<u>DISTANCE</u> 1.30	<u>PAT</u>	<u>MAP</u> 5.03 NM AFTER AUUDD/I-RGS 6.32 DME/RADAR OR AT I-RGS 1.29 DME	<u>HAT</u> 296	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>	
12.TREE (37-089246)	351344.01N/0805810.41W	786	20	3	1A	250					1040	

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
CHARLOTTE/DOUGLAS INTL	KCLT	ILS OR LOC RWY 18R ILS RWY 18R SA CAT I, ILS RWY 18R CAT II, ILS RWY 18R CAT III	2	CHARLOTTE	NC	748	I-RGS

MISSED APPROACH : ILS

FROM

DA

TO

STULL INT/CLT 13.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							777				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
13.AAO	350424.00N/0810612.00W	1165	164	98	4E	1000					2200
14.TERRAIN	350424.00N/0810612.00W	965 (1000)								AS1500	2500

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
---------------------	------------	-------------	-------------	------------	-------------	-----------	-----------	------------	----------------------	-------------	----------------	-------------------------------

SEGMENT REMARKS:

MISSED APPROACH : ILS CAT II

FROM

DA

TO

STULL INT/CLT 13.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
13.AAO	350424.00N/0810612.00W	1165	164	98	4E	1000					2200
14.TERRAIN	350424.00N/0810612.00W	965 (1000)								AS1500	2500

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
---------------------	------------	-------------	-------------	------------	-------------	-----------	-----------	------------	----------------------	-------------	----------------	-------------------------------

SEGMENT REMARKS:



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
CHARLOTTE/DOUGLAS INTL	KCLT	ILS OR LOC RWY 18R ILS RWY 18R SA CAT I, ILS RWY 18R CAT II, ILS RWY 18R CAT III	2	CHARLOTTE	NC	748	I-RGS

MISSED APPROACH : ILS SA CAT I

FROM

DA

TO

STULL INT/CLT 13.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
13.AAO	350424.00N/0810612.00W	1165	164	98	4E	1000					2200
14.TERRAIN	350424.00N/0810612.00W	965 (1000)								AS1500	2500

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

MISSED APPROACH : LOC

FROM

5.03 NM AFTER AUUDD/I-RGS 6.32 DME/RADAR OR AT I-RGS 1.29 DME

TO

STULL INT/CLT 13.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							790				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
13.AAO	350424.00N/0810612.00W	1165	164	98	4E	1000					2200
14.TERRAIN	350424.00N/0810612.00W	965 (1000)								AS1500	2500

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
CHARLOTTE/DOUGLAS INTL	KCLT	ILS OR LOC RWY 18R ILS RWY 18R SA CAT I, ILS RWY 18R CAT II, ILS RWY 18R CAT III	2	CHARLOTTE	NC	748	I-RGS

MISSED APPROACH ALTERNATE : ILS

FROM

DA

TO

STULL/BZM 46.22 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							777				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
13.AAO	350424.00N/0810612.00W	1165	164	98	4E	1000					2200
14.TERRAIN	350424.00N/0810612.00W	965 (1000)								AS1500	2500

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

MISSED APPROACH ALTERNATE : ILS CAT II

FROM

DA

TO

STULL/BZM 46.22 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
13.AAO	350424.00N/0810612.00W	1165	164	98	4E	1000					2200
14.TERRAIN	350424.00N/0810612.00W	965 (1000)								AS1500	2500

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:





CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
15.CONTROL_TOWER (37-117734)	351214.28N/0805635.76W	1.30	632/632	1068	20	3	1A	300			1380/1380
CATEGORY B											
15.CONTROL_TOWER (37-117734)	351214.28N/0805635.76W	1.83	632/632	1068	20	3	1A	300			1380/1380
CATEGORY C											
16.TOWER (37-002817)	351156.31N/0805235.71W	2.88	752/752	1190	20	3	1A	300			1500/1500
CATEGORY D											
16.TOWER (37-002817)	351156.31N/0805235.71W	3.76	752/752	1190	20	3	1A	300			1500/1500

CIRCLING REMARKS:

MSA

CENTER	RADIUS
CLT VOR/DME	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (37-001173)	352049.00N/0811014.00W	316	14.3	2754	500	125	5E	1000			3800

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

CIRCLING NA AT NIGHT FOR NOISE ABATEMENT.









<u>AIRPORT</u> CHARLOTTE/DOUGLAS INTL	<u>AIRPORT ID</u> KCLT	<u>PROCEDURE NAME</u> ILS OR LOC RWY 18R ILS RWY 18R SA CAT I, ILS RWY 18R CAT II, ILS RWY 18R CAT III	<u>AMDT NO.</u> 2	<u>CITY</u> CHARLOTTE	<u>STATE</u> NC	<u>AIRPORT ELEVATION</u> 748	<u>FACILITY</u> I-RGS
PART D: AIRSPACE							
DOCKET #							
ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE							
DISTANCE FROM	THLD	TO 1000FT POINT	3.14				
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.90				
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	175.96				
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	787				
DISTANCE FROM	THLD	TO 1500FT POINT	4.83				
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.26				
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	175.96				
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	787				
THRESHOLD COORDINATES (IF STR-IN)	351331.02N/0805802.71W						
ARP COORDINATES	351249.50N/0805656.60W						
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 18R DISTANCE 1.14 NM						
FAF COORDINATES	351832.46N/0805828.67W						
FIX NAME COORDINATES							
REMARKS							

QUALITY

25

CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 13 of 14

**FACILITY**  
I-RGS

**NAME**  
HEIDI SNIDER

**OFFICE**  
AJV-A422

**DATE**  
02/07/2019

**TITLE**  
AERONAUTICAL INFORMATION SPECIALIST

