US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BURCH	COXOV (FB)	143.92 / 10.00	3700
COXOV (IAF)	ZEMPO (NOPT) (FB)	183.94 / 8.00	3400
BZM VOR/DME (IAF)	ZEMPO (NOPT) (FB)	090.87 / 27.57	3400
ZEMPO (IF/IAF)	WIPUS/2.00 NM TO JUVAP (FB)	093.94 / 4.18	2400
WIPUS/2.00 NM TO JUVAP	JUVAP (FB)	093.99 / 2.00	2200
JUVAP (FAF)	RW09 (MAP) (FO)	094.02 / 4.31	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV: RW09

CLIMB TO 3000 DIRECT ZISER AND ON TRACK 120.16 TO AZELL AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 054.30 INBOUND.
FAS OBST: 1029 AAO 355502N/0802802W
1049 AAO 355403.00N/0803321.00W
CHART DAVIDSON COUNTY AWOS-3
CHART CIRCLING ICON

1. PT: ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W ZEMPO, LT, 093.94 INBOUND, 3400 FT. IN LIEU OF PT (IAF)
3. FAC: 094.02 FAF: JUVAP DIST FAF TO MAP: 4.31 THLD: 4.31
4. MIN. ALT: ZEMPO 3400, WIPUS 2400, JUVAP 2200
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: RW09 4100

MAG VAR: 6W EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1320	1	547	1320	1	547		NA			NA				
CIRCLING	1380	1	562	1400	1	582		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: DESCENT ANGLE NA.
CHART NOTE: USE DAVIDSON COUNTY ALTIMETER SETTING; WHEN NOT RECEIVED, USE SMITH REYNOLDS ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 818 TDZE: 773 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MOCKSVILLE, NC	TWIN LAKES	RNAV	RNAV (GPS) RWY 9, AMDT 1 18 SEPTEMBER 2014	AMDT: ORIG DATED 05/15/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW09 (MAP)	1218 MSL	094.02	
1218 MSL	ZISER (FB)		
ZISER	AZELL (FO)	120.16 / 8.74	3000

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BZM VOR/DME AIRWAY RADIALS 356 CW 143.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BURCH ON V310 WESTBOUND AND V222 NORTHEAST BOUND.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 818 TDZE: 773	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOCKSVILLE, NC	AIRPORT NAME: TWIN LAKES	RNAV	RNAV (GPS) RWY 9, AMDT 1 18 SEPTEMBER 2014	AMDT: ORIG
				DATED: 05/15/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        BZM   K7011080VDLW N35520787W081142590    N35520787W081142590W0060018801     NARBARRETTS MOUNTAIN

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   AZELL K70    C   B N35512375W080141212                    W0081     NAR           AZELL
          SUSAEAENRT   BURCH K70    C   L N36095788W080491465                    W0078     NAR           BURCH
          SUSAEAENRT   COXOV K70    W     N36023164W080405879                    W0079     NAR           COXOV
          SUSAEAENRT   JUVAP K70    W     N35544435W080330085                    W0079     NAR           JUVAP
          SUSAEAENRT   WIPUS K70    W     N35544016W080352872                    W0079     NAR           WIPUS
          SUSAEAENRT   ZEMPO K70    W     N35543125W080403751                    W0079     NAR           ZEMPO
          SUSAEAENRT   ZISER K70    W     N35545920W080240093                    W0080     NAR           ZISER

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP 8A7 K7A8A7     0     029YHN35545369W080272450W006000818         18000018000C    MNAR    TWIN LAKES

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP 8A7 K7FR09   ABURCH 010BURCHK7EA0E       IF                                                  18000                B JS
          SUSAP 8A7 K7FR09   ABURCH 020COXOVK7EA0E  A 020TF                    14390100    + 03700                                 B JS
          SUSAP 8A7 K7FR09   ABURCH 030ZEMPOK7EA0EE B 010TF                    18390080    + 03400                                 B JS
          SUSAP 8A7 K7FR09   ABZM   010BZM  K7D 0V  A    IF                                                  18000                B JS
          SUSAP 8A7 K7FR09   ABZM   020ZEMPOK7EA0EE B 010TF                    09090276    + 03400                                 B JS
          SUSAP 8A7 K7FR09   AZEMPO 010ZEMPOK7EA0EE AL   HF                    09390040    + 03400     18000                       B JS
          SUSAP 8A7 K7FR09   R      010ZEMPOK7EA0E  I    IF                                + 03400     18000                       B JS
          SUSAP 8A7 K7FR09   R      011WIPUSK7EA0E S  051TF                    09390042    + 02400                                 B JS
          SUSAP 8A7 K7FR09   R      020JUVAPK7EA1E  F 051TF                    09400020    + 02200                 RW09  K7PGB JS
          SUSAP 8A7 K7FR09   R      020JUVAPK7EA2WN          N          ALNAV                                                    JS
          SUSAP 8A7 K7FR09   R      030RW09 K7PG0GY M 031TF                    09400043      01320                 000           B JS
          SUSAP 8A7 K7FR09   R      040         0  M     CA                    0940        + 01218                                 B JS
          SUSAP 8A7 K7FR09   R      050ZISERK7EA0E       DF                                                                      B JS
          SUSAP 8A7 K7FR09   R      060AZELLK7EA0EY   010TF                    1202        + 03000                                 B JS
          SUSAP 8A7 K7FR09   R      070AZELLK7EA0EE  R   HM                    05430040    + 03000                                 B JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP 8A7 K7GRW09    0029430941 N35545320W080274242+1500    +02031007730000000050R
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CITY AND STATE	ELEVATION: **818** TDZE: **773**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOCKSVILLE, NC	AIRPORT NAME: **TWIN LAKES**	**RNAV**	**RNAV (GPS) RWY 9, AMDT 1** 18 SEPTEMBER 2014	AMDT: **ORIG**
				DATED: **05/15/2007**

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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP 8A7 K7SRW09 K7PG              0   18018004125                                                                  M
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QUALITY CHECK

CITY AND STATE	ELEVATION: 818 TDZE: 773	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOCKSVILLE, NC	AIRPORT NAME: TWIN LAKES	RNAV	RNAV (GPS) RWY 9, AMDT 1 18 SEPTEMBER 2014	AMDT: ORIG
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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BURCH	BURCH	010		IF		FB					
	BURCH	COXOV	020	IAF	TF		FB	2.0	143.9(137.9T)	010.0	AA 03700	
	BURCH	ZEMPO	030		TF		FB	1.0	183.9(177.9T)	008.0	AA 03400	
	BZM	BZM	010	IAF	IF		FB					
	BZM	ZEMPO	020		TF		FB	1.0	090.9(084.9T)	027.6	AA 03400	
	ZEMPO	ZEMPO	010	IAF	HF	L	FO		093.9(087.9T)	004.0	AA 03400	
		ZEMPO	010	FACF	IF		FB				AA 03400	
		WIPUS	011	SDF	TF		FB	0.5	093.9(087.9T)	004.2	AA 02400	
		JUVAP	020	FAF	TF		FB	0.5	094.0(088.0T)	002.0	AA 02200	
		RW09	030	MAP	TF		FO	0.3	094.0(088.0T)	004.3	AT 01320	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		094.0(088.0T)		AA 01218	
		ZISER	050		DF		FB					
		AZELL	060		TF		FO	1.0	120.2(114.2T)		AA 03000	
		AZELL	070		HM	R	FO		054.3(048.3T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BZM	N355207.87	W0811425.90	N3552.131	W08114.432
	AZELL	N355123.75	W0801412.12	N3551.396	W08014.202
	BURCH	N360957.88	W0804914.65	N3609.965	W08049.244
	COXOV	N360231.64	W0804058.79	N3602.527	W08040.980
	JUVAP	N355444.35	W0803300.85	N3554.739	W08033.014
	WIPUS	N355440.16	W0803528.72	N3554.669	W08035.479
	ZEMPO	N355431.25	W0804037.51	N3554.521	W08040.625
	ZISER	N355459.20	W0802400.93	N3554.987	W08024.016
	RW09	N355453.20	W0802742.42	N3554.887	W08027.707

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00773	00

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