Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: STAR	Date Open: 05/05/2010	Task #: 2009100822838103009	Request #: 20091008228381
Procedure: STAR TAMMY (RNAV) FOUR MEMPHIS TN KMEM		Airport ID: KMEM	Airport: MEMPHIS INTL		Reimbursable #:
City: MEMPHIS	ST: TN	GPS #:		Estimated Chart Date: 07/26/2012	FICO #:
Fac ID:	Fac. Type: Proc D	Specialist: SEAN BARBEE			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	01/30/2012	05/07/2012	JAMES DUBOIS	
QA:	05/07/2012	05/07/2012	STEVEN SZUKALA	
Liaison:	05/07/2012		Alfonso	DME/DME

P1

DME / DME

ESV REQUEST INCLUDED

Pg 7 of 11

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

MEMPHIS, TN MEMPHIS INTL (KMEM) TAMMY FOUR (RNAV) (STAR) ENROUTE-YES FC: 5.29.12 PUB: 7.26.12

ATTACHED FORMS: ESV REPORTS; 7100-4; 7100-3; 8260-2(S): BARFF-INT, REV 3; BOWEN-INT, REV 5; FAYEE-INT, REV 3; JAMEA-INT, REV 3; JESSC-INT, ORIG; MADDN-INT, ORIG; MARVELL (UJM) VDME, REV 6; MEVEE, ORIG; NUNBE, ORIG; OGONY-INT, ORIG; ROCAB, ORIG; SINBE, ORIG; SKEEZ, ORIG; TAMMY-INT, REV 3; TWIKL-INT, REV 6; (INFO ONLY) EL DORADO (ELD) VTAC, REV 11; LITTLE ROCK (LIT) VTAC, REV 16; TEXARKANA (TXK) VTAC, REV 12.

CONTACT: DON SMITH, AJV-352 LEAD, 405.954.1036:

TAMMY FOUR ARRIVAL (RNAV)

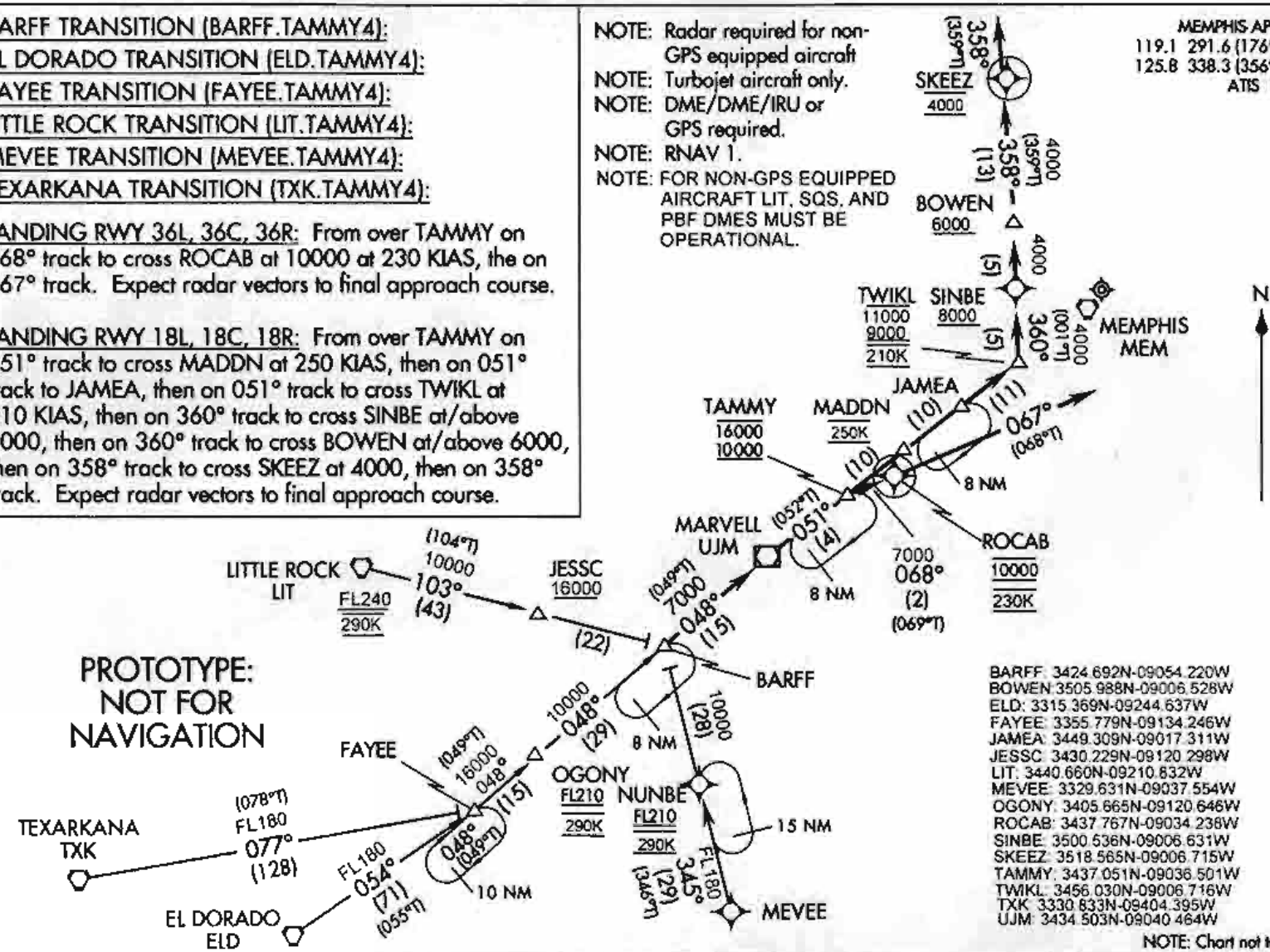
BARFF TRANSITION (BARFF.TAMMY4):
EL DORADO TRANSITION (ELD.TAMMY4):
FAYEE TRANSITION (FAYEE.TAMMY4):
LITTLE ROCK TRANSITION (LIT.TAMMY4):
MEVEE TRANSITION (MEVEE.TAMMY4):
TEXARKANA TRANSITION (TXK.TAMMY4):

LANDING RWY 36L, 36C, 36R: From over TAMMY on 068° track to cross ROCAB at 10000 at 230 KIAS, the on 067° track. Expect radar vectors to final approach course.

LANDING RWY 18L, 18C, 18R: From over TAMMY on 051° track to cross MADDN at 250 KIAS, then on 051° track to JAMEA, then on 051° track to cross TWIKL at 210 KIAS, then on 360° track to cross SINBE at/above 8000, then on 360° track to cross BOWEN at/above 6000, then on 358° track to cross SKEEZ at 4000, then on 358° track. Expect radar vectors to final approach course.

NOTE: Radar required for non-GPS equipped aircraft
NOTE: Turbojet aircraft only.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: FOR NON-GPS EQUIPPED AIRCRAFT LIT, SQS, AND PBF DMES MUST BE OPERATIONAL.

MEMPHIS APP CON
119.1 291.6 (176°-355°)
125.8 338.3 (356°-175°)
ATIS 127.75



BARFF: 3424.692N-09054.220W
BOWEN: 3505.988N-09006.528W
ELD: 3315.369N-09244.637W
FAYEE: 3355.779N-09134.246W
JAMEA: 3449.309N-09017.311W
JESSC: 3430.229N-09120.298W
LIT: 3440.660N-09210.832W
MEVEE: 3329.631N-09037.554W
OGONY: 3405.665N-09120.646W
ROCAB: 3437.767N-09034.238W
SINBE: 3500.536N-09006.631W
SKEEZ: 3518.565N-09006.715W
TAMMY: 3437.051N-09036.501W
TWIKL: 3456.030N-09006.716W
TXK: 3330.633N-09404.395W
UJM: 3434.503N-09040.464W

NOTE: Chart not to scale.

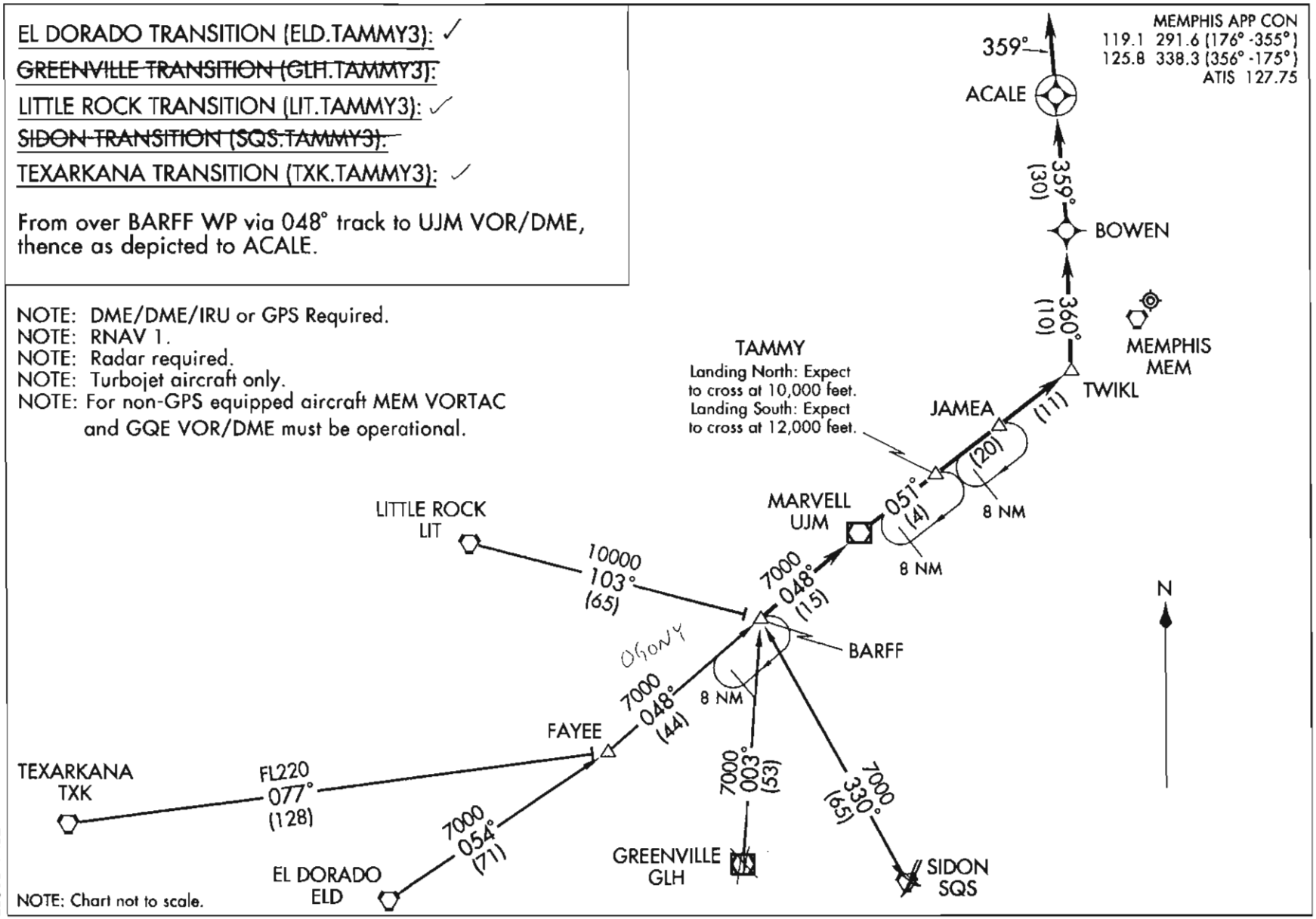
ST-253 (FAA)

OLD

EL DORADO TRANSITION (ELD.TAMMY3): ✓
~~GREENVILLE TRANSITION (GLH.TAMMY3):~~
LITTLE ROCK TRANSITION (LIT.TAMMY3): ✓
~~SIDON TRANSITION (SQS.TAMMY3):~~
TEXARKANA TRANSITION (TXK.TAMMY3): ✓

From over BARFF WP via 048° track to UJM VOR/DME, thence as depicted to ACALE.

NOTE: DME/DME/IRU or GPS Required.
NOTE: RNAV 1.
NOTE: Radar required.
NOTE: Turbojet aircraft only.
NOTE: For non-GPS equipped aircraft MEM VORTAC and GQE VOR/DME must be operational.



SE-1, 09 FEB 2012 to 08 MAR 2012

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : GQE	City : GILMORE	Ident : GQE	State : AR
Type/Class : DME	Frequency : M1164	Reference No.: 11075815	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 780927-020	106	196	62	32	190

Requirement: DME DME COVERAGE FOR AUTMN AZONE BBKNG BINKY CASLN CHLDR CRSON DUCKZ GENEH GMBUD GOETZ GRIZZ HOTRD JERLE JTEEE OLEMS PIEPI SELPH RNAV SIDS

Signature: MILLER JERRY	Routing Symbol: AJV-E2	Date: 07/13/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 780927-020	106	196	62	32	190	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKNG BINKY CASLN CHLDR CRSON DUCKZ GENApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/19/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 780927-020	106	196	62	32	190	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKNG BINKY CASLN CHLDR CRSON DUCKZ GENApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/19/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 780927-020	106	196				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : SIDON	City : GREENWOOD	Ident : SQS	State : MS
Type/Class : TACR	Frequency : M1181	Reference No.: 11075785	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704179-016	300	347	77	65	230

Requirement: DME DME COVERAGE FOR AUTMN AZONE BBKNG BINKY CASLN CHLDR CRSON DUCKZ GENEH GMBUD GOETZ GRRIZ HOTRD JERLE JTEEE OLEMS PIEPI SELPH RNAV SIDS

Signature: MILLER JERRY	Routing Symbol: AJV-E2	Date: 07/12/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704179-016	300	347	77	65	230	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKNG BINKY CASLN CHLDR CRSON DUCKZ GENApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 07/12/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704179-016	300	347	77	65	230	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKNG BINKY CASLN CHLDR CRSON DUCKZ GENApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/13/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704179-016	300	347				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : HLI	City : HOLLY SPRINGS	Ident : HLI	State : MS
Type/Class : TACR	Frequency : M1158	Reference No.: 11075789	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701415-013	243	285	96	85	190

Requirement: DME DME COVERAGE FOR AUTMN AZONE BBKING BINKY CASLN CHLDR CRSON DUCKZ GENEH GMBUD GOETZ GRIZZ HOTRD JERLE JTEEE OLEMS PIEPI SELPH RNAV SIDS

Signature: MILLER JERRY	Routing Symbol: AJV-E2	Date: 07/12/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701415-013	243	285	96	85	190	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKING BINKY CASLN CHLDR CRSON DUCKZ GEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 07/12/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701415-013	243	285	96	85	190	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKING BINKY CASLN CHLDR CRSON DUCKZ GEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/13/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701415-013	243	285				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : HLI	City : HOLLY SPRINGS	Ident : HLI	State : MS
Type/Class : TACR	Frequency : M1158	Reference No.: 11075790	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701415-014	321	337	75	75	190

Requirement: DME DME COVERAGE FOR AUTMN AZONE BBKING BINKY CASLN CHLDR CRSON DUCKZ GENEH GMBUD GOETZ GRIZZ HOTRD JERLE JTEEE OLEMS PIEPI SELPH RNAV SIDS

Signature: MILLER JERRY	Routing Symbol: AJV-E2	Date: 07/12/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701415-014	321	337	75	75	190	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKING BINKY CASLN CHLDR CRSON DUCKZ GEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 07/12/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701415-014	321	337	75	75	190	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKING BINKY CASLN CHLDR CRSON DUCKZ GEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/13/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701415-014	321	337				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : HOLLY SPRINGS	City : HOLLY SPRINGS	Ident : HLI	State : MS
Type/Class : TACR	Frequency : M1158	Reference No.: 11075791	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701415-015	287	325	51	25	180

Requirement: DME DME COVERAGE FOR AUTMN AZONE BBKING BINKY CASLN CHLDR CRSON DUCKZ GENEH GMBUD GOETZ GRIZZ HOTRD JERLE JTEEE OLEMS PIEPI SELPH RNAV SIDS

Signature: MILLER JERRY	Routing Symbol: AJV-E2	Date: 07/12/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701415-015	287	325	51	25	180	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKING BINKY CASLN CHLDR CRSON DUCKZ GEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 07/12/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701415-015	287	325	51	25	180	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKING BINKY CASLN CHLDR CRSON DUCKZ GEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/13/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701415-015	287	325				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : MARVELL	City : WEST HELENA	Ident : UJM	State : AR
Type/Class : DME	Frequency : M994	Reference No.: 11075888	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 960996-021	14	89	60	35	180

Requirement: DME DME COVERAGE FOR AUTMN AZONE BBKNG BINKY CASLN CHLDR CRSON DUCKZ GENEH GMBUD GOETZ GRRIZ HOTRD JERLE PLEMS PIEPI SELPH RNAV SIDS

Signature: MILLER JERRY	Routing Symbol: AJV-E2	Date: 07/19/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 960996-021	14	89	60	35	180	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKNG BINKY CASLN CHLDR CRSON DUCKZ GENApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/19/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 960996-021	14	89	60	35	180	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKNG BINKY CASLN CHLDR CRSON DUCKZ GENApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/19/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 960996-021	14	89				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : MARVELL	City : WEST HELENA	Ident : UJM	State : AR
Type/Class : DME	Frequency : M994	Reference No.: 11075889	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 960996-022	49	69	59	30	170

Requirement: DME DME COVERAGE FOR AUTMN AZONE BBKNG BINKY CASLN CHLDR CRSON DUCKZ GENEH GMBUD GOETZ GRRIZ HOTRD JERLE PLEMS PIEPI SELPH RNAV SIDS

Signature: MILLER JERRY	Routing Symbol: AJV-E2	Date: 07/19/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 960996-022	49	69	59	30	170	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKNG BINKY CASLN CHLDR CRSON DUCKZ GENApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/19/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 960996-022	49	69	59	30	170	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKNG BINKY CASLN CHLDR CRSON DUCKZ GENApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/19/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 960996-022	49	69				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : JAN	City : JACKSON	Ident : JAN	State : MS
Type/Class : TACR	Frequency : M1160	Reference No.: 11075804	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704110-013	343	1	100	90	240

Requirement: DME DME COVERAGE FOR AUTMN AZONE BBKING BINKY CASLN CHLDR CRSON DUCKZ GENEH GMBUD GOETZ GRIZZ HOTRD JERLE JTEEE OLEMS PIEPI SELPH RNAV SIDS

Signature: MILLER JERRY	Routing Symbol: AJV-E2	Date: 07/12/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704110-013	343	1	100	90	240	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKING BINKY CASLN CHLDR CRSON DUCKZ GEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 07/13/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704110-013	343	1	100	90	240	APPROVE

Requirement/Remarks: DME DME COVERAGE FOR AUTMN AZONE BBKING BINKY CASLN CHLDR CRSON DUCKZ GEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/13/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704110-013	343	1				

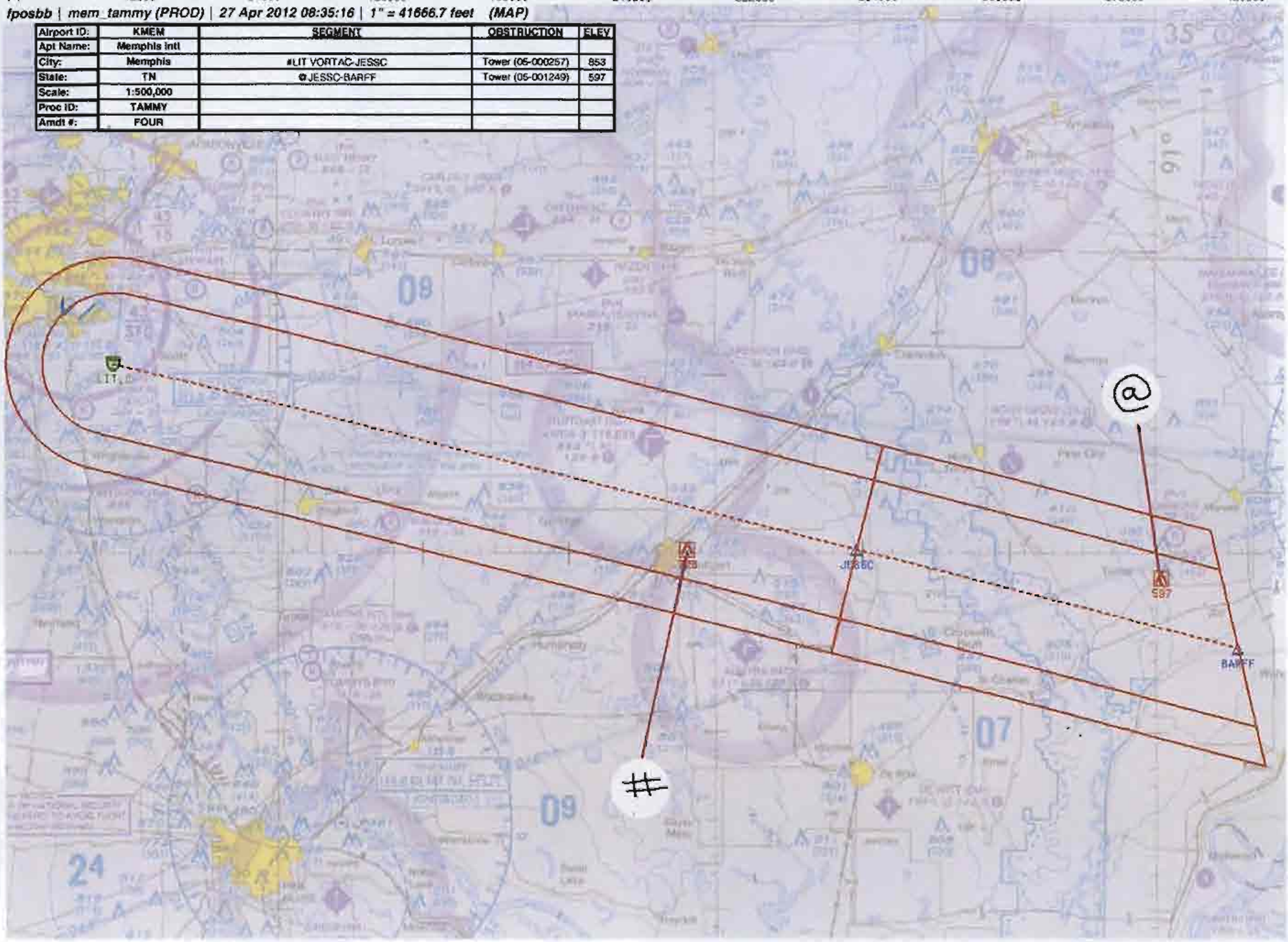
Requirement/Remarks:

Signature:	Routing Symbol:	Date:

NM	7	14	21	28	35	42	49	56	63	70
FT	42000	84000	126000	168000	210000	252000	294000	336000	378000	420000

fposbb | mem_tammy (PROD) | 27 Apr 2012 08:35:16 | 1" = 41666.7 feet (MAP)

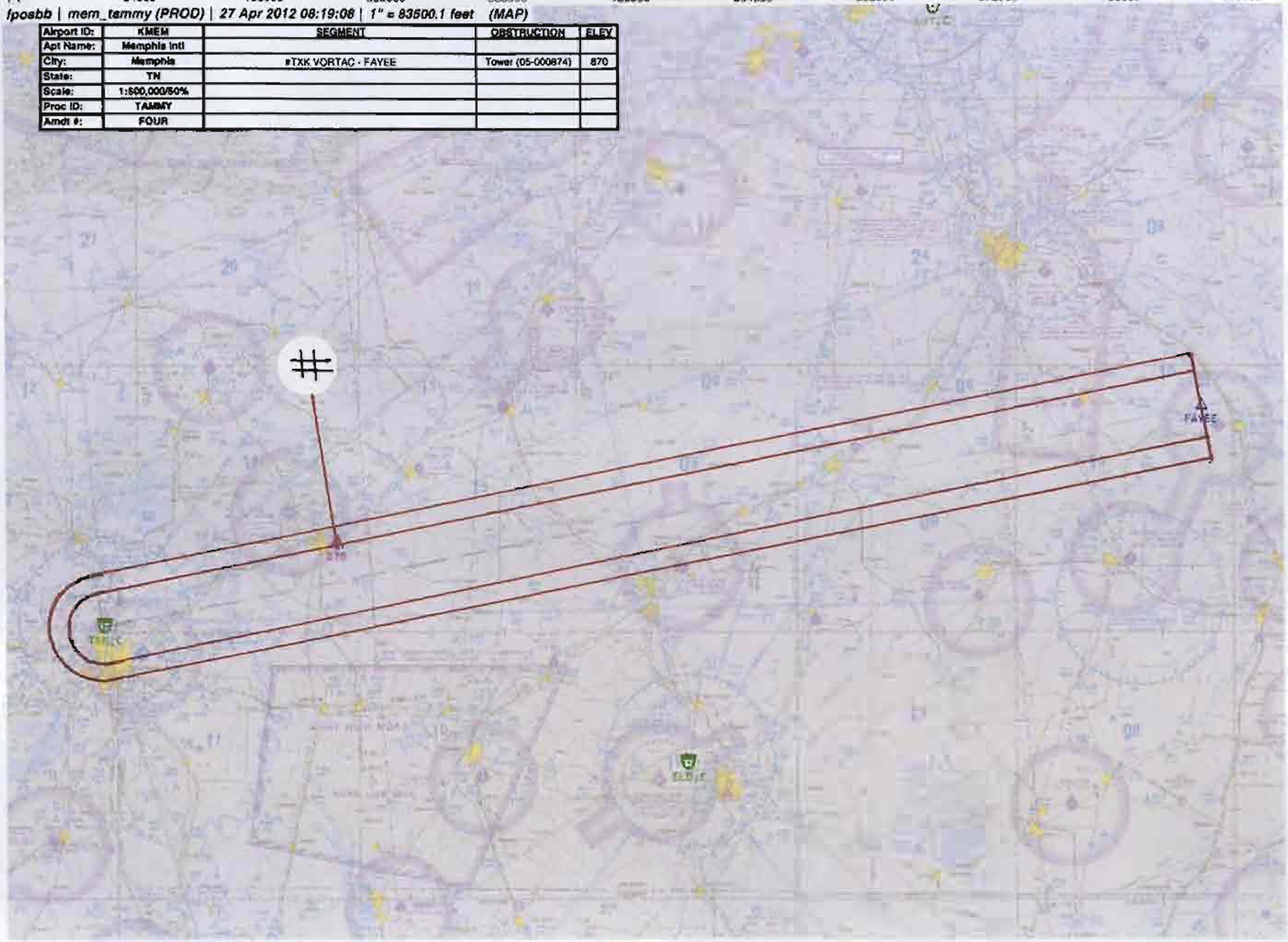
Airport ID:	KMEM	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Memphis Intl			
City:	Memphis	#LIT VORTAC-JESSC	Tower (05-000257)	853
State:	TN	@JESSC-BARFF	Tower (05-001249)	597
Scale:	1:500,000			
Proc ID:	TAMMY			
Amdt #:	FOUR			



NM	14	28	42	56	70	84	96	112	126	140
FT	84000	168000	252000	336000	420000	504000	588000	672000	756000	840000

fposbb | mem_tammy (PROD) | 27 Apr 2012 08:19:08 | 1" = 83500.1 feet (MAP)

Airport ID:	KMEM	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Memphis Intl			
City:	Memphis	#TXK VORTAC - FAYEE	Tower (05-000874)	870
State:	TN			
Scale:	1:500,000/50%			
Proc ID:	TAMMY			
Amdt #:	FOUR			

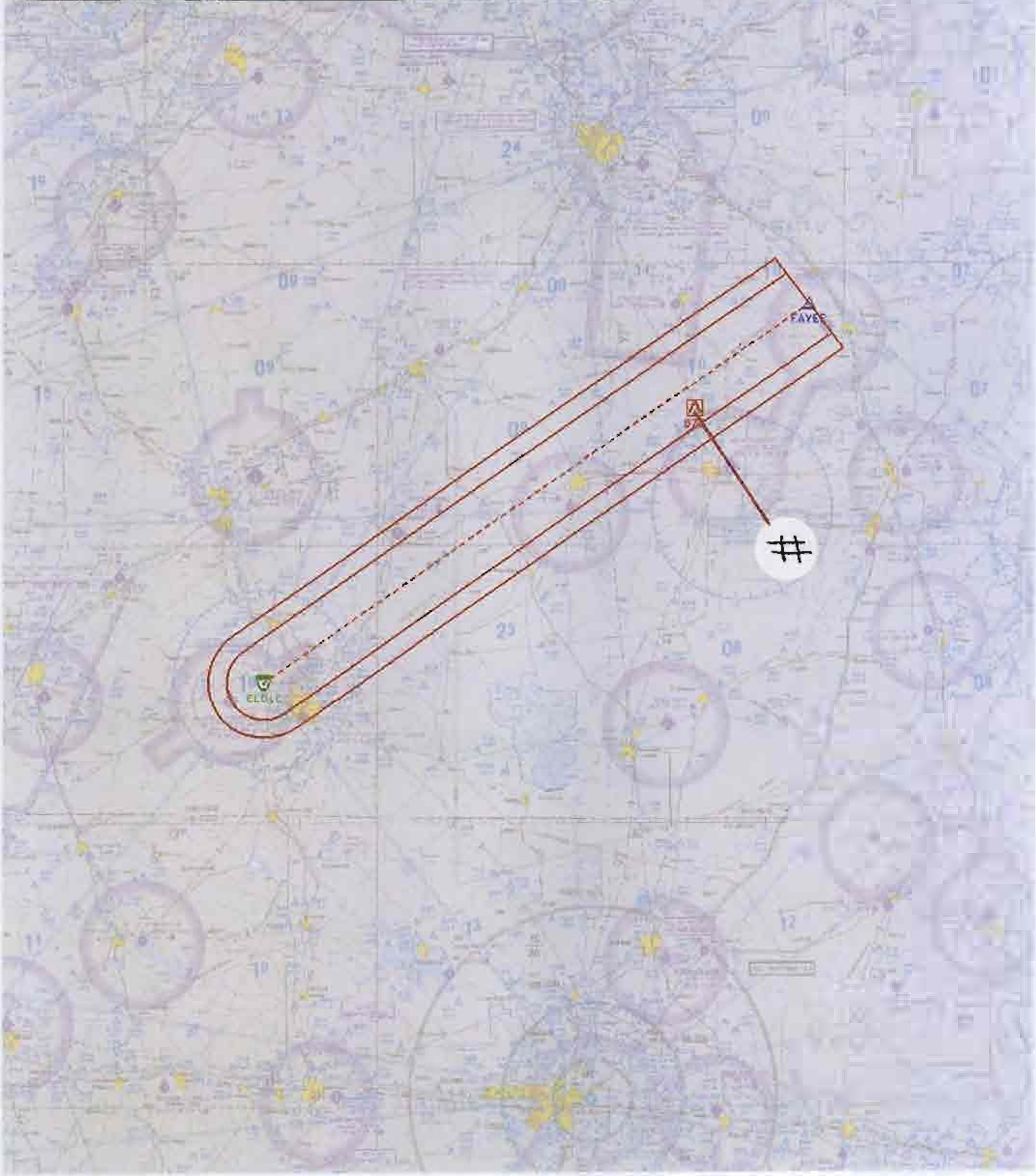


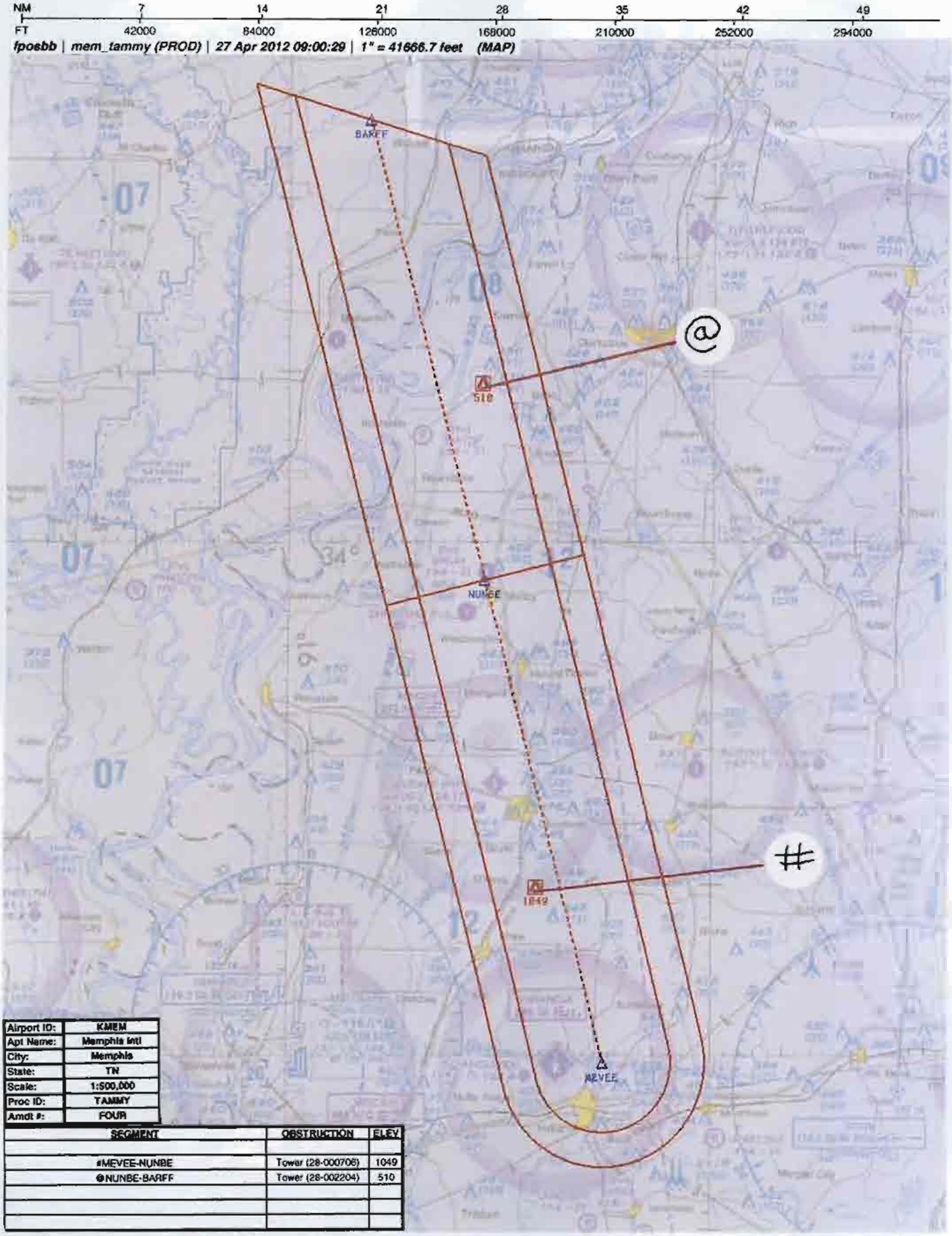
NM 14 28 42 56 70 84 98

FT 84000 168000 252000 336000 420000 504000 588000

fposbb | mem_tammy (PROD) | 27 Apr 2012 08:31:00 | 1" = 83500.1 feet (MAP)

Airport ID:	KMEM	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Memphis Intl			
City:	Memphis	#ELD VORTAC-FAYEE	Tower (05-001360)	878
State:	TN			
Scale:	1:500,000/50%			
Proc ID:	TAMMY			
Amdt #:	FOUR			





Airport ID:	KMEM
Apt Name:	Memphis Intl
City:	Memphis
State:	TN
Scale:	1:500,000
Proc ID:	TAMMY
Amdt #:	FOUR

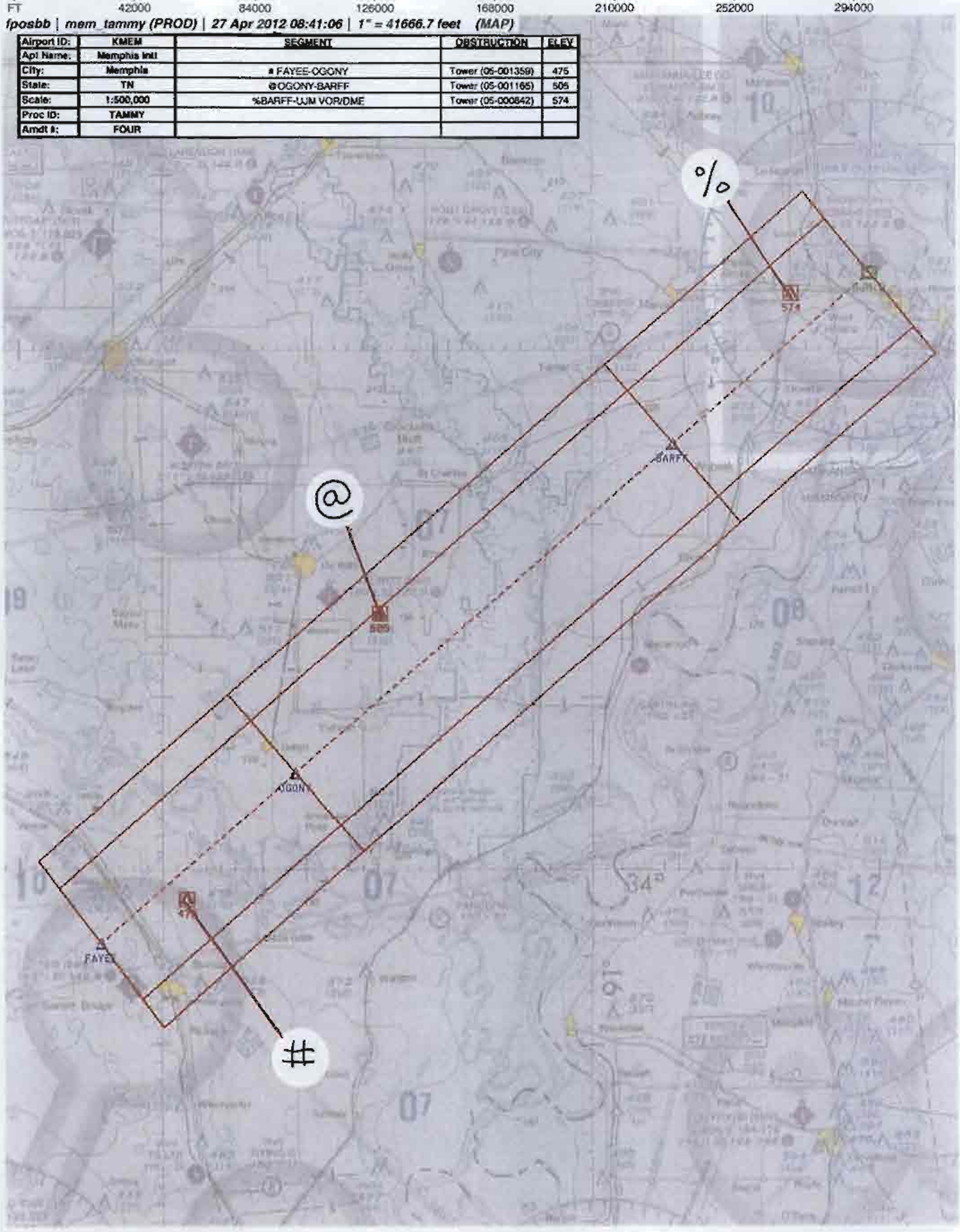
SEGMENT	OBSTRUCTION	ELEV
#MEVEE-NUNBE	Tower (28-000706)	1049
@NUNBE-BARFF	Tower (28-002204)	510

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fposbb | mem_tammy (PROD) | 27 Apr 2012 08:41:06 | 1" = 41666.7 feet (MAP)

Airport ID:	KMEM	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Memphis Intl			
City:	Memphis	# FAYEE-OGONY	Tower (05-001359)	475
State:	TN	@OGONY-BARFF	Tower (05-001165)	505
Scale:	1:500,000	%BARFF-UJM VOR/DME	Tower (05-000842)	574
Proc ID:	TAMMY			
Amdt #:	FOUR			

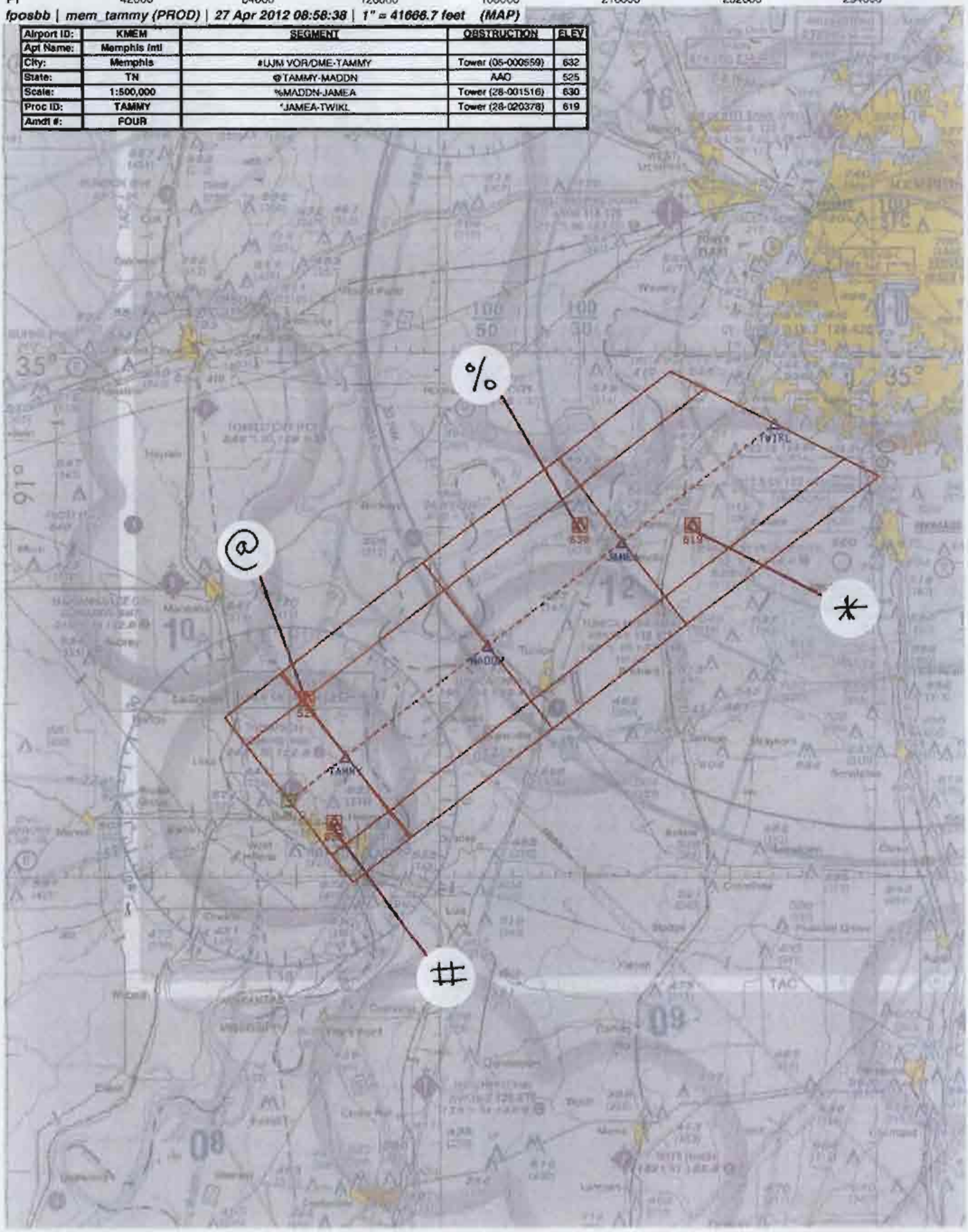


NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fposbb | mem_tammy (PROD) | 27 Apr 2012 08:58:38 | 1" = 41666.7 feet (MAP)

Airport ID:	KMEM	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Memphis Intl			
City:	Memphis	#UJM VOR/DME-TAMMY	Tower (05-000559)	632
State:	TN	@TAMMY-MADDN	AAO	525
Scale:	1:500,000	%MADDN-JAMEA	Tower (28-001516)	630
Proc ID:	TAMMY	*JAMEA-TWIKL	Tower (28-020378)	619
Amdt #:	FOUR			

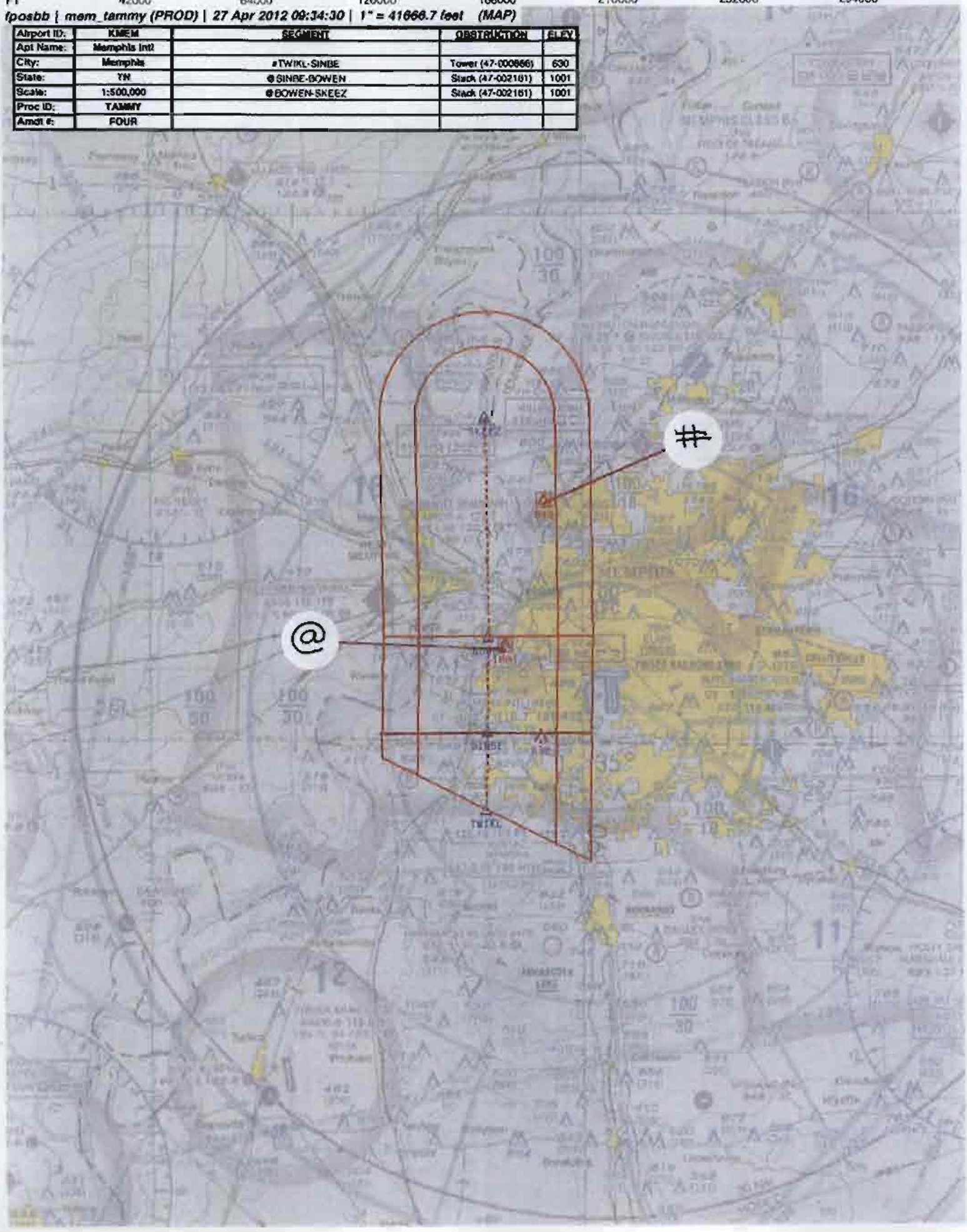


NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fposbb | mem_tammy (PROD) | 27 Apr 2012 09:34:30 | 1" = 41666.7 feet (MAP)

Airport ID:	KMEM	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Memphis Intl			
City:	Memphis	#TWIKL-SINBE	Tower (47-000866)	630
State:	TN	@SINBE-BOWEN	Stack (47-002161)	1001
Scale:	1:500,000	@BOWEN-SKEEZ	Stack (47-002161)	1001
Proc ID:	TAMMY			
Amdt #:	FOUR			

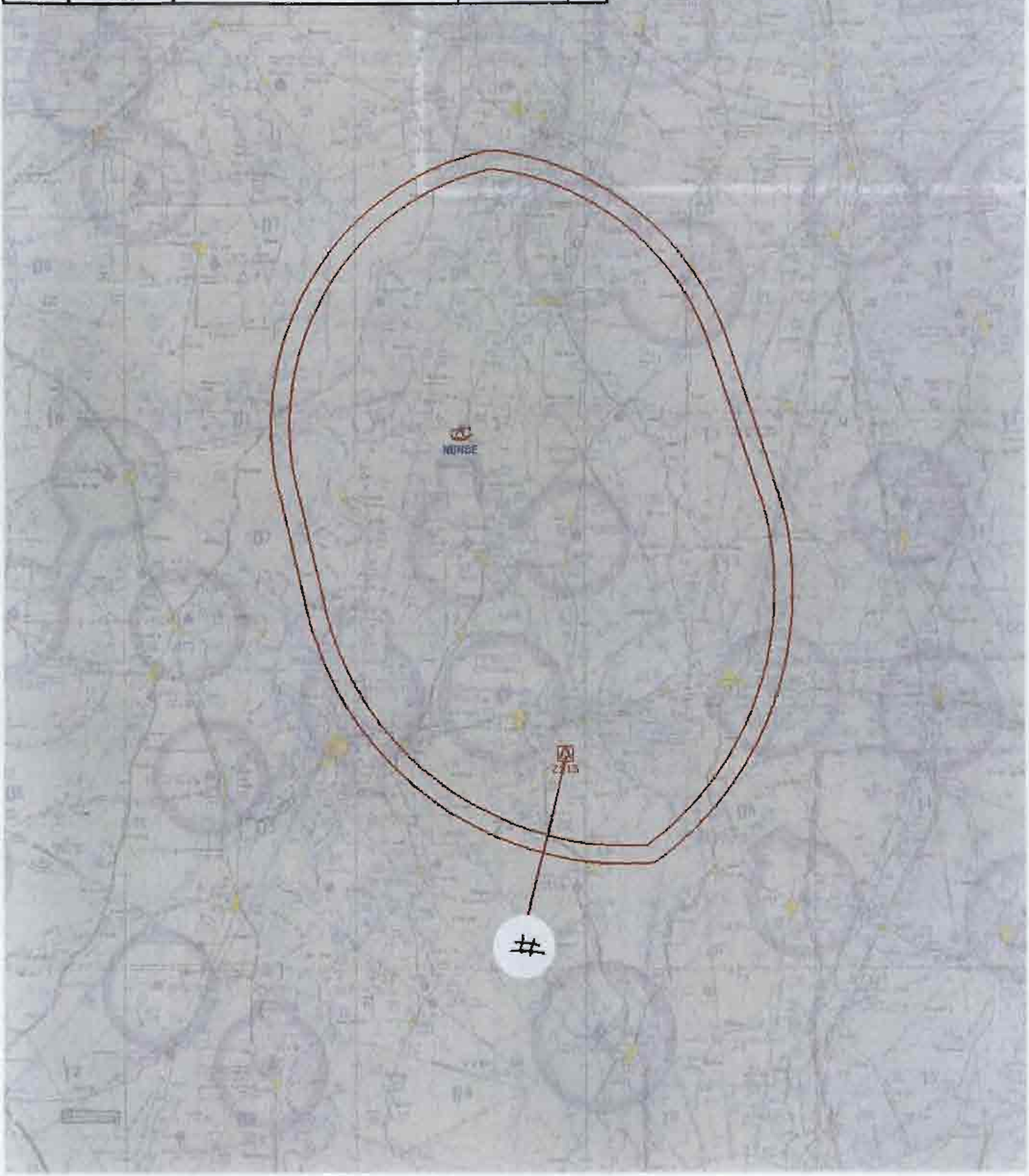


NM 14 28 42 56 70 84 98

FT 84000 168000 252000 336000 420000 504000 588000

fposbb | mem_tammyh (PROD) | 21 Mar 2012 06:26:20 | 1" = 83500.1 feet (MAP)

Airport ID:	KMEM	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Memphis Intl			
City:	Memphis	# NUNBE	Tower (28-000774)	2115
State:	TN			
Scale:	1:500,000/50%			
Proc ID:	TAMMY			
Amdt #:	FOUR			



NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fposbb | mem_tammyh (PROD) | 20 Mar 2012 14:08:04 | 1" = 41666.7 feet (MAP)

Airport ID:	KMEM	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Memphis Intl			
City:	Memphis	# FAYEE	Tower (05-001360)	878
State:	TN			
Scale:	1:500,000			
Proc ID:	TAMMY			
Amdt #:	FOUR			

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fposhb | mem tammyh (PROD) | 20 Mar 2012 13:56:34 | 1" = 41666.7 feet (MAP)

		SEGMENT	OBSTRUCTION	ELEV
Airport ID:	KMEM			
Apt Name:	Memphis Intl			
City:	Memphis	# TAMMY	Tower (05-000257)	853
State:	TN			
Scale:	1:500,000			
Proc ID:	TAMMY			
Amdt #:	FOUR			

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fposbb | mem_tammyh (PROD) | 20 Mar 2012 14:17:50 | 1" = 41666.7 feet (MAP)

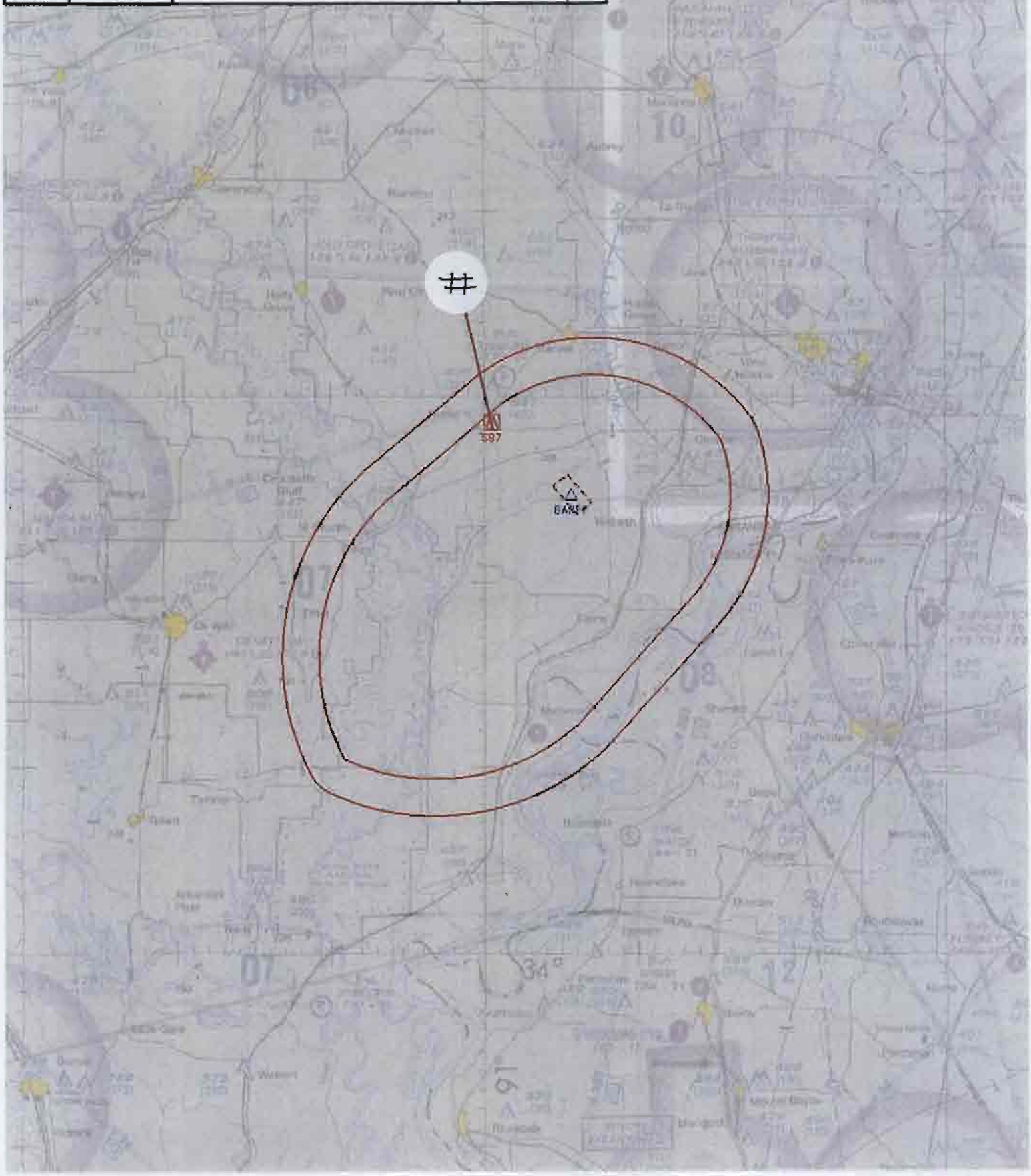
Airport ID:	KMEM	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Memphis Intl			
City:	Memphis	* JAMEA	Tower (28-001587)	1049
State:	TN			
Scale:	1:500,000			
Proc ID:	TAMMY			
Amdt #:	FOUR			

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fposbb | mem_tammyh (PROD) | 20 Mar 2012 13:42:42 | 1" = 41666.7 feet (MAP)

Airport ID:	KMEM	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Memphis Intl			
City:	Memphis	# BARFF	Tower (05-001249)	597
State:	TN			
Scale:	1:500,000			
Proc ID:	TAMMY			
Amdt #:	FOUR			



US Department of Transportation
Federal Aviation Administration

STAR - Standard Terminal Arrival

1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

(1) Transition Routes

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP/ FIX/NAVAID	(d) To RNAV WP/ FIX/NAVAID	(e) Mag Course/ Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
BARFF	BARFF.TAMMY4	BARFF	UJM VOR/DME	048.19/15.01	7000			
		UJM VOR/DME	TAMMY	051.11/4.14	7000			AT/ABOVE 10000, AT/BELOW 16000
EL DORADO	ELD.TAMMY4	ELD VORTAC	FAYEE	054.23/71.30	FL180			
		FAYEE	OGONY	047.82/15.01	16000			AT/ABOVE FL210
		OGONY	BARFF	047.95/28.99	10000			
		BARFF	UJM VOR/DME	048.19/15.01	7000			
		UJM VOR/DME	TAMMY	051.11/4.14	7000			AT/ABOVE 10000, AT/BELOW 16000
FAYEE	FAYEE.TAMMY4	FAYEE	OGONY	047.82/15.01	16000			AT/ABOVE FL210
		OGONY	BARFF	047.95/28.99	10000			
		BARFF	UJM VOR/DME	048.19/15.01	7000			
		UJM VOR/DME	TAMMY	051.11/4.14	7000			AT/ABOVE 10000, AT/BELOW 16000
LITTLE ROCK	LIT.TAMMY4	LIT VORTAC	JESSC	102.78/43.00	10000			AT/ABOVE 16000
		JESSC	BARFF	103.25/22.26	10000			
		BARFF	UJM VOR/DME	048.19/15.01	7000			
		UJM VOR/DME	TAMMY	051.11/4.14	7000			AT/ABOVE 10000, AT/BELOW 16000
MEVEE	MEVEE.TAMMY4	MEVEE	NUNBE	344.92/29.00	FL180			AT/ABOVE FL210
		NUNBE	BARFF	344.84/27.68	10000			
		BARFF	UJM VOR/DME	048.19/15.01	7000			
		UJM VOR/DME	TAMMY	051.11/4.14	7000			AT/ABOVE 10000, AT/BELOW 16000
TEXARKANA	TXK.TAMMY4	TXK VORTAC	FAYEE	077.06/127.69	FL180			
		FAYEE	OGONY	047.82/15.01	16000			AT/ABOVE FL210
		OGONY	BARFF	047.95/28.99	10000			
		BARFF	UJM VOR/DME	048.19/15.01	7000			
		UJM VOR/DME	TAMMY	051.11/4.14	7000			AT/ABOVE 10000, AT/BELOW 16000

(2) Arrival Route Description:

LANDING RWY 36L, 36C, 36R: FROM OVER TAMMY ON 068.04 TRACK TO CROSS ROCAB AT 10000 AT 230 KIAS (MEA 7000), THEN ON 066.51 TRACK. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE. (CONTINUED BLOCK 16)

(3) Procedural Data Notes:

NOTE: RADAR REQUIRED; **NOTE:** TURBOJET AIRCRAFT ONLY; **NOTE**: RNAV 1; **CHART:** CROSS OGONY AT 290 KIAS; **NOTE:** DME/DME/IRU OR GPS REQUIRED; (CONTINUED BLOCK 16)

(4) Fixes and/or Holding Patterns:

CHART HOLDING PATTERNS: NUNBE (HOLD SE, RT, 344.92 INBOUND, 15 NM LEGS); TAMMY (HOLD SW, RT, 051.11 INBOUND, 8 NM LEGS); (CONTINUED BLOCK 16)

(5) Communications: MEMPHIS APP CON; MEMPHIS INTL ATIS.

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
TAMMY RNAV	FOUR	TAMMY.TAMMY4	THREE	10/25/2007	

(12) Airports Served			
Airport Name	MEMPHIS INTL	City/State	MEMPHIS, TN
Airport Name		City/State	
Airport Name		City/State	
Airport Name		City/State	
Airport Name		City/State	
Airport Name		City/State	

(13) Lost Communications Procedure:

(14) Remarks:

(15) Additional Flight Data: REFERENCE MAGVAR: KMEM 1E/2000.
DME/DME ASSESSMENT: SAT (RNP 2.0).

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
TAMMY RNAV	FOUR	TAMMY.TAMMY4	THREE	10/25/2007	

(16) Continuation:

(BLOCK 2) ARRIVAL ROUTE DESCRIPTION:

LANDING RWY 18L, 18C, 18R: FROM OVER TAMMY ON 051.18 TRACK TO CROSS MADDN AT 250 KIAS (MEA 7000), THEN ON 051.28 TRACK TO JAMEA (MEA 7000), THEN ON 051.37 TRACK TO CROSS TWIKL AT OR BELOW 11000 AND AT OR ABOVE 9000 AT 210 KIAS (MEA 7000), THEN ON 359.89 TRACK TO CROSS SINBE AT OR ABOVE 8000 (MEA 4000), THEN ON 359.89 TRACK TO CROSS BOWEN AT OR ABOVE 6000 (MEA 4000), THEN ON 358.30 TRACK TO CROSS SKEEZ AT 4000 (MEA 4000), THEN ON 358.30 TRACK. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

(BLOCK 3) PROCEDURAL DATA NOTES:

CHART: CROSS LIT VORTAC AT/ABOVE FL240 AT 290 KIAS; **CHART:** CROSS NUNBE AT 290 KIAS; **NOTE:** FOR NON-GPS EQUIPPED AIRCRAFT LIT, SQS, AND PBF DMES MUST BE OPERATIONAL.

(BLOCK 4) FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING PATTERS: BARFF (HOLD SW, RT, 047.95 INBOUND, 8 NM LEGS); FAYEE (HOLD SW, RT, 047.82 INBOUND, 10 NM LEGS); JAMEA (HOLD SW, RT, 051.28 INBOUND, 8 NM LEGS).

(17) Changes:

1. DELETED GREENVILLE AND SIDON TRANSITIONS. ADDED MEVEE AND FAYEE TRANSITIONS.
2. ADDED FIXES SKEEZ, SINBE, NUNBE, MEVEE, JESSC, ROCAB, MADDN, AND OGONY; DELETED ACALE.
3. ADDED ARRIVAL ROUTE DESCRIPTIONS FOR RUNWAYS 36L, 36C, 36R, 18L, 18C, AND 18R.
4. ADDED ALL CROSSING ALTITUDES AND SPEED RESTRICTIONS.
5. MEA FROM TXK VTAC TO FAYEE LOWERED FROM FL220 TO FL180; MEA FROM ELD VTAC INCREASED FROM 7000 TO FL180; MEA AFTER TWIKL LOWERED FROM 7000 TO 4000; MEA AFTER FAYEE INCREASED FROM 7000 TO 16000 BETWEEN FAYEE AND NEW FIX OGONY.
6. DELETED NOTE: FOR NON-GPS EQUIPPED AIRCRAFT MEM VORTAC AND GQE VOR/DME MUST BE OPERATIONAL; ADDED NOTE: FOR NON-GPS EQUIPPED AIRCRAFT PBF, LIT, AND SQS DMES MUST BE OPERATIONAL.

(18) Reasons for Changes:

1-5. ATC REQUEST.

6. IAW 7100.9E, APPENDIX B, A NOTE IS REQUIRED TO ADDRESS THE NEED FOR SPECIFIC DME FACILITIES TO BE OPERATIONAL. MEM VORTAC AND GQE VOR/DME ELIMINATED AS CRITICAL DME FACILITIES FOR NON-GPS EQUIPPED AIRCRAFT; EVALUATION IDENTIFIED PFB, LIT, AND SQS AS CRITICAL DME FACILITIES.

		Name *(Typed and Signed)*, Title and Organization	DATE
Developed By		JOHN HENSLEY, SUPPORT SPECIALIST, ZME	01/03/2012
Approved	**NFPO**	DARRYEL ADAMS, MANAGER, AJV-352	
	Reg. ATD		

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
TAMMY RNAV	FOUR	TAMMY.TAMMY4	THREE	10/25/2007	

(19) Graphic Depiction:

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
TAMMY RNAV	FOUR	TAMMY.TAMMY4	THREE	10/25/2007	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

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3. Altitudes are minimum altitudes unless otherwise indicated

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
EN ROUTE TRANSITION									
BARFF	342441.53N/ 0905413.17W	Y		IF					BARFF.TAMMY4
UJM VOR/DME	343430.17N/ 0904027.85W	Y	FB	TF	049.19	15.01			
TAMMY	343703.07N/ 0903630.07W	Y	FB	TF	052.11	4.14	AT/BELOW 16000 AT/ABOVE 10000		
EN ROUTE TRANSITION									
ELD VORTAC	331522.15N/ 0924438.21W	Y		IF					ELD.TAMMY4
FAYEE	335546.73N/ 0913414.73W	Y	FB	TF	055.23	71.30			
OGONY	340539.87N/ 0912038.74	Y	FB	TF	048.82	15.01	AT/ABOVE FL210	AT 290K	
BARFF	342441.53N/ 0905413.17W	Y	FB	TF	048.95	28.99			
UJM VOR/DME	343430.17N/ 0904027.85W	Y	FB	TF	049.19	15.01			
TAMMY	343703.07N/ 0903630.07W	Y	FB	TF	052.11	4.14	AT/BELOW 16000 AT/ABOVE 10000		
EN ROUTE TRANSITION									
FAYEE	335546.73N/ 0913414.73W	Y		IF					FAYEE.TAMMY4
OGONY	340539.87N/ 0912038.74	Y	FB	TF	048.82	15.01	AT/ABOVE FL210	AT 290K	
BARFF	342441.53N/ 0905413.17W	Y	FB	TF	048.95	28.99			
UJM VOR/DME	343430.17N/ 0904027.85W	Y	FB	TF	049.19	15.01			

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
TAMMY RNAV	FOUR	TAMMY.TAMMY4	THREE	10/25/2007	

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Federal Aviation Administration

STAR (Data Record)

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2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
TAMMY	343703.07N/ 0903630.07W	Y	FB	TF	052.11	4.14	AT/BELOW 16000 AT/ABOVE 10000		
EN ROUTE TRANSITION									
LIT VORTAC	344039.62N/ 0921049.90W	Y		IF			AT/ABOVE FL240	AT 290K	LIT.TAMMY4
JESSC	343013.75N/ 0912017.90W	Y	FB	TF	103.78	43.00	AT/ABOVE 16000		
BARFF	342441.53N/ 0905413.17W	Y	FB	TF	104.25	22.26			
UJM VOR/DME	343430.17N/ 0904027.85W	Y	FB	TF	049.19	15.01			
TAMMY	343703.07N/ 0903630.07W	Y	FB	TF	052.11	4.14	AT/BELOW 16000 AT/ABOVE 10000		
EN ROUTE TRANSITION									
MEVEE	332937.86N/ 0903733.26W	Y		IF					MEVEE.TAMMY4
NUNBE	335748.39N/ 0904602.14W	Y	FB	TF	345.92	29.00	AT/ABOVE FL210	AT 290K	
BARFF	342441.53N/ 0905413.17W	Y	FB	TF	345.84	27.68			
UJM VOR/DME	343430.17N/ 0904027.85W	Y	FB	TF	049.19	15.01			
TAMMY	343703.07N/ 0903630.07W	Y	FB	TF	052.11	4.14	AT/BELOW 16000 AT/ABOVE 10000		
EN ROUTE TRANSITION									
TXK VORTAC	333049.97N/ 0940423.67W	Y		IF					TXK.TAMMY4
FAYEE	335546.73N/ 0913414.73W	Y	FB	TF	078.06	127.69			

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
TAMMY RNAV	FOUR	TAMMY.TAMMY4	THREE	10/25/2007	

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

1. Bearings, headings, courses and radials are true and listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
OGONY	340539.87N/ 0912038.74W	Y	FB	TF	048.82	15.01	AT/ABOVE FL210	AT 290K	
BARFF	342441.53N/ 0905413.17W	Y	FB	TF	048.95	28.99			
UJM VOR/DME	343430.17N/ 0904027.85W	Y	FB	TF	049.19	15.01			
TAMMY	343703.07N/ 0903630.07W	Y	FB	TF	052.11	4.14	AT/BELOW 16000 AT/ABOVE 10000		
RUNWAY TRANSITION									
TAMMY	343703.07N/ 0903630.07W	Y		IF					
MADDN	344320.78N/ 0902640.06W	Y	FB	TF	052.18	10.26		AT 250	
JAMEA	344918.56N/ 0901718.66W	Y	FB	TF	052.28	9.74			
TWIKL	345601.77N/ 0900642.95W	Y	FB	TF	052.37	11.00	AT/BELOW 11000 AT/ABOVE 9000	AT 210K	
SINBE	350032.18N/ 0900637.86W	Y	FB	TF	000.89	4.50	AT/ABOVE 8000		
BOWEN	350559.25N/ 0900631.69W	Y	FB	TF	000.89	5.44	AT/ABOVE 6000		
SKEEZ	351833.89N/ 0900642.92W	Y	FO	TF	359.30	12.56	AT 4000		
RWY 18L, 18C, 18R				FM	359.30				
RUNWAY TRANSITION									
TAMMY	343703.07N/ 0903630.07W	Y		IF					
ROCAB	343746.04N/ 0903414.27W	Y	FO	TF	069.04	2.00	AT 10000	AT 230K	
RWY 36L, 36C, 36R	343746.04N/ 0903414.27W			FM	067.51				

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
TAMMY RNAV	FOUR	TAMMY.TAMMY4	THREE	10/25/2007	

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US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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        SUSAD        LIT   K4011390VTHW N34403962W092104990    N34403962W092104990E0050002402     NARLITTLE ROCK
        SUSAD        MEM   K7011750VTHW N35005442W089585955    N35005442W089585955E0010003602     NARMEMPHIS
        SUSAD        TXK   K4011630VTHA N33304997W094042367    N33304997W094042367E0070002702     NARTEXARKANA
        SUSAD        UJM   K4010960VDLW N34343017W090402785    N34343017W090402785E0010002441     NARMARVELL

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        SUSAEAENRT   BARFF K40    C   B N34244153W090541317                    W0001     NAR           BARFF
        SUSAEAENRT   BOWEN K70    C     N35055925W090063169                    W0008     NAR           BOWEN
        SUSAEAENRT   FAYEE K40    C   B N33554673W091341473                    E0004     NAR           FAYEE
        SUSAEAENRT   JAMEA K70    C   B N34491856W090171866                    W0006     NAR           JAMEA
        SUSAEAENRT   JESSC K40    W     N34301375W091201790                    E0002     NAR           JESSC
        SUSAEAENRT   MADDN K70    C     N34432078W090264006                    W0005     NAR           MADDN
        SUSAEAENRT   MEVEE K70    W     N33293786W090373326                    W0002     NAR           MEVEE
        SUSAEAENRT   NUNBE K70    W     N33574839W090460214                    W0002     NAR           NUNBE
        SUSAEAENRT   OGONY K40    C     N34053987W091203874                    E0002     NAR           OGONY
        SUSAEAENRT   ROCAB K70    W     N34374604W090341427                    W0004     NAR           ROCAB
        SUSAEAENRT   SINBE K70    W     N35003218W090063786                    W0007     NAR           SINBE
        SUSAEAENRT   SKEEZ K40    W     N35183389W090064292                    W0008     NAR           SKEEZ
        SUSAEAENRT   TAMMY K40    C   B N34370307W090363007                    W0003     NAR           TAMMY
        SUSAEAENRT   TWIKL K70    C   L N34560177W090064295                    W0007     NAR           TWIKL

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
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        SUSAP KMEMK7ETAMMY44BARFF 030TAMMYK4EA0EE H 010TF                    05110041    B 1600010000
        SUSAP KMEMK7ETAMMY44ELD   010ELD  K4D 0V       IF                                          18000
        SUSAP KMEMK7ETAMMY44ELD   020FAYEEK4EA0E  H 010TF                    05420713
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
TAMMY RNAV	FOUR	TAMMY.TAMMY4	THREE	10/25/2007	

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SUSAP KMEMK7ETAMMY44ELD   030OGONYK4EA0E    010TF                    04780150    + FL210          290
SUSAP KMEMK7ETAMMY44ELD   040BARFFK4EA0E  H 010TF                    04800290
SUSAP KMEMK7ETAMMY44ELD   050UJM  K4D 0V    010TF                    04820150
SUSAP KMEMK7ETAMMY44ELD   060TAMMYK4EA0EE H 010TF                    05110041    B 1600010000
SUSAP KMEMK7ETAMMY44FAYEE 010FAYEEK4EA0E  H    IF                                            18000
SUSAP KMEMK7ETAMMY44FAYEE 020OGONYK4EA0E    010TF                    04780150    + FL210          290
SUSAP KMEMK7ETAMMY44FAYEE 030BARFFK4EA0E  H 010TF                    04800290
SUSAP KMEMK7ETAMMY44FAYEE 040UJM  K4D 0V    010TF                    04820150
SUSAP KMEMK7ETAMMY44FAYEE 050TAMMYK4EA0EE H 010TF                    05110041    B 1600010000
SUSAP KMEMK7ETAMMY44LIT   010LIT  K4D 0V       IF                                + FL240     18000290
SUSAP KMEMK7ETAMMY44LIT   020JESSCK4EA0E    010TF                    10280430    + 16000
SUSAP KMEMK7ETAMMY44LIT   030BARFFK4EA0E  H 010TF                    10330223
SUSAP KMEMK7ETAMMY44LIT   040UJM  K4D 0V    010TF                    04820150
SUSAP KMEMK7ETAMMY44LIT   050TAMMYK4EA0EE H 010TF                    05110041    B 1600010000
SUSAP KMEMK7ETAMMY44MEVEE 010MEVEEK7EA0E       IF                                            18000
SUSAP KMEMK7ETAMMY44MEVEE 020NUNBEK7EA0E  H 010TF                    34490290    + FL210          290
SUSAP KMEMK7ETAMMY44MEVEE 030BARFFK4EA0E  H 010TF                    34480277
SUSAP KMEMK7ETAMMY44MEVEE 040UJM  K4D 0V    010TF                    04820150
SUSAP KMEMK7ETAMMY44MEVEE 050TAMMYK4EA0EE H 010TF                    05110041    B 1600010000
SUSAP KMEMK7ETAMMY44TXK   010TXK  K4D 0V       IF                                            18000
SUSAP KMEMK7ETAMMY44TXK   020FAYEEK4EA0E  H 010TF                    07711277
SUSAP KMEMK7ETAMMY44TXK   030OGONYK4EA0E    010TF                    04780150    + FL210          290
SUSAP KMEMK7ETAMMY44TXK   040BARFFK4EA0E  H 010TF                    04800290
SUSAP KMEMK7ETAMMY44TXK   050UJM  K4D 0V    010TF                    04820150
SUSAP KMEMK7ETAMMY44TXK   060TAMMYK4EA0EE H 010TF                    05110041    B 1600010000
SUSAP KMEMK7ETAMMY46RW18B 010TAMMYK4EA0E  H    IF                                            18000
SUSAP KMEMK7ETAMMY46RW18B 020MADDNK7EA0E    010TF                    05120103                     250
SUSAP KMEMK7ETAMMY46RW18B 030JAMEAK7EA0E  H 010TF                    05130097
SUSAP KMEMK7ETAMMY46RW18B 040TWIKLK7EA0E    010TF                    05140110    B 1100009000     210
SUSAP KMEMK7ETAMMY46RW18B 050SINBEK7EA0E    010TF                    35990045    + 08000
SUSAP KMEMK7ETAMMY46RW18B 060BOWENK7EA0E    010TF                    35990054    + 06000
SUSAP KMEMK7ETAMMY46RW18B 070SKEEZK4EA0EY   010TF                    35830126      04000
SUSAP KMEMK7ETAMMY46RW18B 080SKEEZK4EA0EE      FM MEM K7      339301873583    D     04000
SUSAP KMEMK7ETAMMY46RW36B 010TAMMYK4EA0E  H    IF                                            18000
SUSAP KMEMK7ETAMMY46RW36B 020ROCABK7EA0EY   010TF                    06800020      10000          230
SUSAP KMEMK7ETAMMY46RW36B 030ROCABK7EA0EE      FM MEM K7      230603710665    D     10000          230
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEMK7GRW18C   0111201780 N35031654W089583421+0600    +00551002710000054150IISDU1
        SUSAP KMEMK7GRW18L   0090001780 N35025574W089582263+0600    +00572002780000060150IIEXS1
        SUSAP KMEMK7GRW18R   0093201780 N35025816W089591479+0300    +00601002880000052150IIOOI1
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
TAMMY RNAV	FOUR	TAMMY.TAMMY4	THREE	10/25/2007	

```
SUSAP KMEMK7GRW36C   0111203580 N35012658W089583190-0600    +0076500341000060150IITSE3
SUSAP KMEMK7GRW36L   0093203580 N35012598W089591281-0300    +0070300321000059150IIOHN3
SUSAP KMEMK7GRW36R   0090003580 N35012674W089582075-0600    +0074600335000058150IIMYO3
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
TAMMY RNAV	FOUR	TAMMY.TAMMY4	THREE	10/25/2007	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BARFF	BARFF	010		IF		FB					
	BARFF	UJM	020		TF		FB	1.0	048.2()	015.0		
	BARFF	TAMMY	030		TF		FB	1.0	051.1()	004.1	BT 1600010000	
	ELD	ELD	010		IF		FB					
	ELD	FAYEE	020		TF		FB	1.0	054.2()	071.3		
	ELD	OGONY	030		TF		FB	1.0	047.8()	015.0	AA FL210	AT 290
	ELD	BARFF	040		TF		FB	1.0	048.0()	029.0		
	ELD	UJM	050		TF		FB	1.0	048.2()	015.0		
	ELD	TAMMY	060		TF		FB	1.0	051.1()	004.1	BT 1600010000	
	FAYEE	FAYEE	010		IF		FB					
	FAYEE	OGONY	020		TF		FB	1.0	047.8()	015.0	AA FL210	AT 290
	FAYEE	BARFF	030		TF		FB	1.0	048.0()	029.0		
	FAYEE	UJM	040		TF		FB	1.0	048.2()	015.0		
	FAYEE	TAMMY	050		TF		FB	1.0	051.1()	004.1	BT 1600010000	
	LIT	LIT	010		IF		FB				AA FL240	AT 290
	LIT	JESSC	020		TF		FB	1.0	102.8()	043.0	AA 16000	
	LIT	BARFF	030		TF		FB	1.0	103.3()	022.3		
	LIT	UJM	040		TF		FB	1.0	048.2()	015.0		
	LIT	TAMMY	050		TF		FB	1.0	051.1()	004.1	BT 1600010000	
	MEVEE	MEVEE	010		IF		FB					
	MEVEE	NUNBE	020		TF		FB	1.0	344.9()	029.0	AA FL210	AT 290
	MEVEE	BARFF	030		TF		FB	1.0	344.8()	027.7		
	MEVEE	UJM	040		TF		FB	1.0	048.2()	015.0		
	MEVEE	TAMMY	050		TF		FB	1.0	051.1()	004.1	BT 1600010000	
	TXK	TXK	010		IF		FB					
	TXK	FAYEE	020		TF		FB	1.0	077.1()	127.7		
	TXK	OGONY	030		TF		FB	1.0	047.8()	015.0	AA FL210	AT 290
	TXK	BARFF	040		TF		FB	1.0	048.0()	029.0		
	TXK	UJM	050		TF		FB	1.0	048.2()	015.0		
	TXK	TAMMY	060		TF		FB	1.0	051.1()	004.1	BT 1600010000	
	RW18B	TAMMY	010		IF		FB					
	RW18B	MADDN	020		TF		FB	1.0	051.2()	010.3		AT 250
	RW18B	JAMEA	030		TF		FB	1.0	051.3()	009.7		
	RW18B	TWIKL	040		TF		FB	1.0	051.4()	011.0	BT 1100009000	AT 210
	RW18B	SINBE	050		TF		FB	1.0	359.9()	004.5	AA 08000	
	RW18B	BOWEN	060		TF		FB	1.0	359.9()	005.4	AA 06000	
	RW18B	SKEEZ	070		TF		FO	1.0	358.3()	012.6	AT 04000	
	RW18B	SKEEZ	080		FM		FB		358.3()		AT 04000	

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
TAMMY RNAV	FOUR	TAMMY.TAMMY4	THREE	10/25/2007	

FAA Form 7100-3 (9/02)

RW36B	TAMMY	010	IF	FB					
RW36B	ROCAB	020	TF	FO	1.0	068.0()	002.0	AT 10000	AT 230
RW36B	ROCAB	030	FM	FB		066.5()		AT 10000	AT 230

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
ELD	N331522.15	W0924438.21	N3315.369	W09244.637
LIT	N344039.62	W0921049.90	N3440.660	W09210.832
MEM	N350054.42	W0895859.55	N3500.907	W08958.993
TXK	N333049.97	W0940423.67	N3330.833	W09404.395
UJM	N343430.17	W0904027.85	N3434.503	W09040.464
BARFF	N342441.53	W0905413.17	N3424.692	W09054.220
BOWEN	N350559.25	W0900631.69	N3505.988	W09006.528
FAYEE	N335546.73	W0913414.73	N3355.779	W09134.246
JAMEA	N344918.56	W0901718.66	N3449.309	W09017.311
JESSC	N343013.75	W0912017.90	N3430.229	W09120.298
MADDN	N344320.78	W0902640.06	N3443.346	W09026.668
MEVEE	N332937.86	W0903733.26	N3329.631	W09037.554
NUNBE	N335748.39	W0904602.14	N3357.807	W09046.036
OGONY	N340539.87	W0912038.74	N3405.665	W09120.646
ROCAB	N343746.04	W0903414.27	N3437.767	W09034.238
SINBE	N350032.18	W0900637.86	N3500.536	W09006.631
SKEEZ	N351833.89	W0900642.92	N3518.565	W09006.715
TAMMY	N343703.07	W0903630.07	N3437.051	W09036.501
TWIKL	N345601.77	W0900642.95	N3456.030	W09006.716
RW18C	N350316.54	W0895834.21	N3503.276	W08958.570
RW18L	N350255.74	W0895822.63	N3502.929	W08958.377
RW18R	N350258.16	W0895914.79	N3502.969	W08959.247
RW36C	N350126.58	W0895831.90	N3501.443	W08958.532
RW36L	N350125.98	W0895912.81	N3501.433	W08959.214
RW36R	N350126.74	W0895820.75	N3501.446	W08958.346

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW18C	00271	54
RW18L	00278	60
RW18R	00288	52
RW36C	00341	60
RW36L	00321	59
RW36R	00335	58

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
TAMMY RNAV	FOUR	TAMMY.TAMMY4	THREE	10/25/2007	

RADIO FIX AND HOLDING DATA RECORD

NAME: BARFF **STATE:** AR **COUNTRY:** US

LATITUDE/LONGITUDE: 342441.53N/0905413.17W **TYPE:** WP, 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	MARVELL	UJM	VOR/DME	L	228.32	229.32	15.01	15.01		4000	24000
2	SIDON	SQS	VORTAC	H	328.33	331.33	64.80	64.80		7000	45000
3	GREENVILLE	GLH	VOR/DME	L	000.23	004.23	53.33	53.33		4000	24000
4	LITTLE ROCK	LIT	VORTAC	H	098.78	103.78	65.26	65.26		10000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GLH	VOR/DME	R-360	54	4000	24000
LIT	VORTAC	R-099	66	10000	14800
SQS	VORTAC	R-328	65	4000	45000
UJM	VOR/DME	R-228	16	18000	24000

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

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	UJM	VOR/DME	228.32	048.32	R		8	4000	24000	11	20
2	SW		WP	227.95	047.95	R		8	10000	24000	11	20

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (05-001249)	342811.00N/0905928.00W	597	1A
2	230	TOWER (05-001249)	342811.00N/0905928.00W	597	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.
HOLDING PAT 1 AND 2: 8 NM LEG LENGTHS REQUESTED BY ATC.

REMARKS:
MARVELL (FAC 1) USED TO ESTABLISH FIX COORDINATES
CHART PAT 1 HOLDING ON HIGH/LOW ENROUTE CHART PER ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MARVELL	1, 2, 3, 4	1	KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)		2	KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
1. REMOVED INT FROM FIX TYPE.
2. ADDED FAC 3 (GLH) AND FAC 4 (LIT) TO SUPPORT MARVELL STAR.
3. ADDED DIST FROM FAC TO FACS 1 AND 2.
4. INCREASED FAC 2 MRA FROM 4000 TO 7000.
5. POPULATED ESV DATA FOR FACS 1 AND 2.
6. AMENDED PAT 1 FROM TIMED HOLDING TO 8 NM LEGS.
7. UPDATED PAT 1 CONTROLLING OBSTACLE FROM 473 MSL TOWER TO 597 MSL TOWER. NO CHANGE TO MIN HOLDING ALTITUDE (4000).
8. AMENDED PAT 2 INBOUND COURSE FROM 047.82 TO 047.95, MIN HOLDING ALTITUDE FROM 7000 TO 10000, AND MAX HOLDING ALTITUDE FROM 10000 TO 24000.
9. AMENDED HIGH/LOW ENROUTE CHARTING INSTRUCTIONS TO PAT 1 ONLY. SQS DME REMOVED.
10. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/13/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

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

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: BOWEN **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 350559.25N/0900631.69W **TYPE:** WP, 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	MEMPHIS	MEM	VORTAC	H	308.38	309.38	8.00	8.00		4000	16000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	DAWGG	1		KMEM	MEMPHIS	TN (US)
STAR	FNCHR (RNAV)			KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)			KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
DELETED INT FROM FIX TYPE; DELETED FAC 2; DELETED FAC 2 ESV DATA.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/07/2012 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: FAYEE **STATE:** AR **COUNTRY:** US

LATITUDE/LONGITUDE: 335546.73N/0913414.73W **TYPE:** WP, 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	MARVELL	UJM	VOR/DME	L	228.32	229.32	59.01	59.01		18000	33000
2	TEXARKANA	TXK	VORTAC	H	071.06	078.06	127.69	127.69		22000	45000
3	EL DORADO	ELD	VORTAC	H	048.23	055.23	71.30	71.30		18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
UJM	VOR/DME	R-228	60	4000	33000

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	SW	UJM	VOR/DME	228.32	048.32	R		10	18000	33000	18	26
2	SW		WP	227.82	047.82	R		10	18000	45000	17	30

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
MARVELL (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MARVELL	1, 2, 3	1	KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)		2	KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
1. DELETED INT FROM FIX TYPE.
2. DELETED CURRENT FAC 2 (LIT).
3. INCREASED FAC 1 MRA FROM 10000 TO 18000.
4. INCREASED FAC 3 MRA FROM 10000 TO 18000.
5. ADDED NEW FAC 2 (TXK) TO SUPPORT MARVELL STAR.
6. ADDED DIST FROM FAC TO FAC 1 AND 3.
7. POPULATED ESV DATA.
8. ADDED HOLDING PAT 1 AND PAT 2.
9. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/13/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: JAMEA **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 344918.56N/0901718.66W **TYPE:** WP, 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	MEMPHIS	MEM	VORTAC	H	231.54	232.54	19.00	19.00		4000	17500

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

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	MEM	VORTAC	231.54	051.54	R		8	4000	14000	11	11
2	SW		WP	231.28	051.28	R		8	7000	14000	11	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (28-001587)	344336.00N/0900943.00W	1049	5D
2	230	TOWER (28-001587)	344336.00N/0900943.00W	1049	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLD PAT 1 AND 2: 8 NM LEG LENGTHS REQUESTED BY ATC.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MARVELL	1	1	KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)		2	KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
1. DELETED INT FROM FIX TYPE.
2. DELTED FAC 2 (GQE) AND FAC 3 (HLI).
3. ADDED DIST FROM FAC TO FAC 1.
4. AMENDED FAC 1 MAA FROM 27000 TO 17500.
5. UPDATED PAT 1 FROM TIMED HOLDING TO 8 NM LEGS.
6. UPDATED PAT 2 INBOUND COURSE FROM 051.18 TO 051.28.
7. UPDATED PAT 1 AND PAT 2 CONTROLLING OBSTACLES FROM 636 TOWER TO 1049 TOWER. NO CHANGE TO MINIMUM HOLDING ALTITUDE (4000 AND 7000).
8. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/13/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: JESSC **STATE:** AR **COUNTRY:** US

LATITUDE/LONGITUDE: 343013.75N/0912017.90W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TAMMY (RNAV)			KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
06/19/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 01/13/2012.
DELETED FAC 1, MARVELL STAR FROM FIX USE, AND DME AS FIX TYPE.

DEVELOPED BY: **DATE:** 03/13/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: MADDN **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 344320.78N/0902640.06W **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	MEMPHIS	MEM	VORTAC	H	231.54	232.54	28.74	28.74		4000	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MARVELL	1		KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)			KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 03/13/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: MARVELL VOR/DME **STATE:** AR **COUNTRY:** US

LATITUDE/LONGITUDE: 343430.17N/0904027.85W **TYPE:**

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	MARVELL	UJM	VOR/DME	L							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	N	UJM	VOR/DME	351.26	171.26	R	1		1900	5000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (05-001134)	343247.00N/0903716.00W	632	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	Q31					(US)
EN ROUTE	V16					(US)
EN ROUTE	V397					(US)
EN ROUTE	V54					(US)
EN ROUTE	V9					(US)
IAP	RNAV (GPS) RWY 36			KM73	ALMYRA	AR (US)
IAP	GPS RWY 36			KFCY	FORREST CITY	AR (US)
IAP	RNAV(GPS)RWY 17			KHEE	HELENA/WEST HELENA	AR (US)
IAP	RNAV(GPS)RWY 35			KHEE	HELENA/WEST HELENA	AR (US)
IAP	VOR RWY 17		1	KHEE	HELENA/WEST HELENA	AR (US)
IAP	VOR RWY 35		1	KHEE	HELENA/WEST HELENA	AR (US)
IAP	RNAV (GPS) RWY 18			K6M7	MARIANNA	AR (US)
IAP	RNAV (GPS) RWY 36			K6M7	MARIANNA	AR (US)
IAP	ILS OR LOC RWY 36			KSGT	STUTTGART	AR (US)
IAP	RNAV (GPS) RWY 27			KSGT	STUTTGART	AR (US)
IAP	ILS OR LOC RWY 17		1	KAWM	WEST MEMPHIS	AR (US)
IAP	VOR/DME RWY 18			KCKM	CLARKSDALE	MS (US)
IAP	ILS OR LOC RWY 35		1	KUTA	TUNICA	MS (US)
IAP	VOR/DME-A		1	KUTA	TUNICA	MS (US)
IAP	ILS OR LOC RWY 18R			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 36L			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 36L CAT II			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 36L CAT III			KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) RWY 36C			KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) RWY 36L			KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) RWY 36R			KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) RWY 9			KMEM	MEMPHIS	TN (US)
STAR	MARVELL			KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)			KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
1. UPDATED COORDINATES TO PENDING AVNIS DATA VALUES. MOVED FIX 1.31 FEET.
2. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/26/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

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

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: MEVEE **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 332937.86N/0903733.26W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TAMMY (RNAV)			KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/17/2012 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: NUNBE **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 335748.39N/0904602.14W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S		WP	164.92	344.92	R		15	21000	45000	28	30

REMARKS:
15 NM LEG LENGTH ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TAMMY (RNAV)		1	KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/17/2012 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: OGONY **STATE:** AR **COUNTRY:** US

LATITUDE/LONGITUDE: 340539.87N/0912038.74W **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	FEET	MRA	MAA
1	MARVELL	UJM	VOR/DME	L	228.32	229.32	44.00	44.00		18000	41000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
UJM	VOR/DME	R-228	44	17500	41000

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MARVELL	1		KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)			KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 03/13/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ROCAB **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 343746.04N/0903414.27W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TAMMY (RNAV)			KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/17/2012 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SINBE **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 350032.18N/0900637.86W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TAMMY (RNAV)			KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/17/2012 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SKEEZ **STATE:** AR **COUNTRY:** US

LATITUDE/LONGITUDE: 351833.89N/0900642.92W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TAMMY (RNAV)			KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/17/2012 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER: EST FPO

RADIO FIX AND HOLDING DATA RECORD

NAME: TAMMY **STATE:** AR **COUNTRY:** US

LATITUDE/LONGITUDE: 343703.07N/0903630.07W **TYPE:** WP, 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	MEMPHIS	MEM	VORTAC	H	231.54	232.54	39.00	39.00		4000	17500

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

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	MEM	VORTAC	231.54	051.54	R		8	4000	16000	11	17
2	SW		WP	231.11	051.11	R		8	7000	16000	11	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (05-000257)	343148.00N/0903640.00W	853	3D
2	230	TOWER (05-000257)	343148.00N/0903640.00W	853	3D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PAT 1 AND 2: 8 NM LEG LENGTHS REQUESTED BY ATC.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MARVELL	1	1	KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)		2	KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
1. ADDED DIST TO FAC TO FAC 1.
2. AMENDED FAC 1 MAA FROM 27000 TO 17500.
3. AMENDED PAT 1 MAX HOLDING ALTITUDE FROM 14000 TO 16000.
4. AMENDED PAT 1 FROM 4 NM LEGS TO 8 NM LEGS.
5. AMENDED PAT 2 MAX HOLDING ALTITUDE FROM 14000 TO 16000.
4. AMENDED PAT 1 AND PAT 2 CONTROLLING OBSTACLE ID NUMBER TO CURRENT FORMAT.
5. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/13/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TWIKL **STATE:** MS **COUNTRY:** US

LATITUDE/LONGITUDE: 345601.77N/0900642.95W **TYPE:** WP, 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	MEMPHIS	MEM	VORTAC	H	231.54	232.54	8.00	8.00		4000	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MARVELL	1		KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)			KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
1. DELETED INT FROM FIX TYPE.
2. DELETED FAC 2 (HLI).
3. AMENDED FAC 1 MAA FROM 16000 TO 17500.
4. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/13/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY: MEM APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD INFO ONLY

NAME: EL DORADO VORTAC **STATE:** AR **COUNTRY:** US

LATITUDE/LONGITUDE: 331522.15N/0924438.21W **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	FAC FEET	MRA	MAA
1	EL DORADO	ELD	VORTAC	H							45000

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	NE	ELD	VORTAC	052.00	232.00	R	1	-	2000	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (05-000612)	331615.16N/0924214.15W	812	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JACKSON			KJAN	JACKSON	MS (US)
DP	MEMPHIS			KMEM	MEMPHIS	TN (US)
DP	EL DORADO			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	DALLAS			KGKY	ARLINGTON	TX (US)
DP	WYLIE			KGKY	ARLINGTON	TX (US)
DP	DALLAS			KADS	DALLAS	TX (US)
DP	WYLIE			KADS	DALLAS	TX (US)
DP	BACHMAN			KDAL	DALLAS	TX (US)
DP	DALLAS			KDAL	DALLAS	TX (US)
DP	WYLIE			KDAL	DALLAS	TX (US)
DP	DALLAS			KRBD	DALLAS	TX (US)
DP	WYLIE			KRBD	DALLAS	TX (US)
DP	DALLAS			KDFW	DALLAS-FORT WORTH	TX (US)
DP	SOLDO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WYLIE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	DALLAS			KDTO	DENTON	TX (US)
DP	DALLAS			KAFW	FORT WORTH	TX (US)
DP	WYLIE			KAFW	FORT WORTH	TX (US)
DP	DALLAS			KFTW	FORT WORTH	TX (US)
DP	WYLIE			KFTW	FORT WORTH	TX (US)
DP	DALLAS			KFWS	FORT WORTH	TX (US)
DP	DALLAS			KNFW	FORT WORTH	TX (US)
DP	EL DORADO			KGLS	GALVESTON	TX (US)
DP	DALLAS			KGPM	GRAND PRAIRIE	TX (US)
DP	EL DORADO			KAXH	HOUSTON	TX (US)
DP	EL DORADO			KCXO	HOUSTON	TX (US)
DP	EL DORADO			KDWH	HOUSTON	TX (US)
DP	EL DORADO			KEFD	HOUSTON	TX (US)
DP	EL DORADO			KEYQ	HOUSTON	TX (US)
DP	EL DORADO			KHOU	HOUSTON	TX (US)
DP	EL DORADO			KIAH	HOUSTON	TX (US)
DP	EL DORADO			KIWS	HOUSTON	TX (US)
DP	EL DORADO			KSGR	HOUSTON	TX (US)
DP	EL DORADO			KTME	HOUSTON	TX (US)
DP	EL DORADO			KT41	LA PORTE	TX (US)
DP	DALLAS			KLNC	LANCASTER	TX (US)
DP	DALLAS			KTKI	MC KINNEY	TX (US)
DP	DALLAS			KHQZ	MESQUITE	TX (US)
EN ROUTE	J29					(US)
EN ROUTE	Q32					(US)
EN ROUTE	V305					(QA)
EN ROUTE	V407					(US)
EN ROUTE	V69					(US)
EN ROUTE	V71					(US)
EN ROUTE	PITCH/CATCH POINT			KDFW	DALLAS-FORT WORTH	TX (US)
IAP	VOR/DME RWY 01			KCDH	CAMDEN	AR (US)
IAP	ILS OR LOC RWY 22	1	1	KELD	EL DORADO	AR (US)
IAP	RNAV (GPS) RWY 22			KELD	EL DORADO	AR (US)
IAP	RNAV (GPS) RWY 4			KELD	EL DORADO	AR (US)
IAP	VOR RWY 22	1	1	KELD	EL DORADO	AR (US)
IAP	VOR/DME RWY 4	1	1	KELD	EL DORADO	AR (US)
IAP	RNAV (GPS) RWY 12			K5F4	HOMER	LA (US)

IAP	RNAV (GPS) RWY 30	K5F4	HOMER	LA (US)
STAR	MARVELL	KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)	KMEM	MEMPHIS	TN (US)
STAR	SASIE	KGKY	ARLINGTON	TX (US)
STAR	FINGR	KADS	DALLAS	TX (US)
STAR	FINGR	KDAL	DALLAS	TX (US)
STAR	FINGR	KRBD	DALLAS	TX (US)
STAR	BONHAM	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	WILBR	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	SASIE	KDTO	DENTON	TX (US)
STAR	SASIE	KAFW	FORT WORTH	TX (US)
STAR	SASIE	KFTW	FORT WORTH	TX (US)
STAR	SASIE	KFWS	FORT WORTH	TX (US)
STAR	SASIE	KNFW	FORT WORTH	TX (US)
STAR	SASIE	KGPM	GRAND PRAIRIE	TX (US)
STAR	FINGR	KLNC	LANCASTER	TX (US)
STAR	FINGR	KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 02/11/2010

REASON FOR REVISION:
UPDATE HOLDING OBST NUMBER.
ADD "PRECIPITOUS TERRAIN EVALUATION COMPLETED" TO REMARKS.

DEVELOPED BY: **DATE:** 08/25/2009 **OFFICE:** AVN-120 **NAME:** DEANNA FIELDS

APPROVED BY: **DATE:** 12/10/2009 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZFW
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: LITTLE ROCK VORTAC **STATE:** AR **COUNTRY:** US

LATITUDE/LONGITUDE: 344039.62N/0921049.90W **TYPE:**

INFO ONLY

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	FAC FEET	MRA	MAA
1	LITTLE ROCK	LIT	VORTAC	H							45000

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	SE	LIT	VORTAC	152.00	332.00	R	1		2100	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (05-000877)	343155.65N/0920241.61W	1424	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/R	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRING			KASG	SPRINGDALE	AR (US)
DP	LINDBERGH			KALN	ALTON/ST LOUIS	IL (US)
DP	LINDBERGH			KBLV	BELLEVILLE	IL (US)
DP	LINDBERGH			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	BERYY (RNAV)			KSTL	ST LOUIS	MO (US)
DP	LINDBERGH			KSTL	ST LOUIS	MO (US)
DP	LINDBERGH			KSUS	ST LOUIS	MO (US)
DP	JACKSON			KJAN	JACKSON	MS (US)
DP	CHLDR			KMEM	MEMPHIS	TN (US)
DP	MEMPHIS			KMEM	MEMPHIS	TN (US)
DP	LUFKIN			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	DALLAS			KGKY	ARLINGTON	TX (US)
DP	WYLIE			KGKY	ARLINGTON	TX (US)
DP	DALLAS			KADS	DALLAS	TX (US)
DP	WYLIE			KADS	DALLAS	TX (US)
DP	BACHMAN			KDAL	DALLAS	TX (US)
DP	DALLAS			KDAL	DALLAS	TX (US)
DP	WYLIE			KDAL	DALLAS	TX (US)
DP	DALLAS			KRBD	DALLAS	TX (US)
DP	WYLIE			KRBD	DALLAS	TX (US)
DP	DALLAS			KDFW	DALLAS-FORT WORTH	TX (US)
DP	NOBLY (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WYLIE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	DALLAS			KDTO	DENTON	TX (US)
DP	DALLAS			KAFW	FORT WORTH	TX (US)
DP	WYLIE			KAFW	FORT WORTH	TX (US)
DP	DALLAS			KFTW	FORT WORTH	TX (US)
DP	DALLAS			KFWS	FORT WORTH	TX (US)
DP	DALLAS			KNFW	FORT WORTH	TX (US)
DP	LUFKIN			KGLS	GALVESTON	TX (US)
DP	DALLAS			KGPM	GRAND PRAIRIE	TX (US)
DP	LUFKIN			KAXH	HOUSTON	TX (US)
DP	LUFKIN			KCXO	HOUSTON	TX (US)
DP	LUFKIN			KDWH	HOUSTON	TX (US)
DP	LUFKIN			KEFD	HOUSTON	TX (US)
DP	LUFKIN			KEYQ	HOUSTON	TX (US)
DP	LUFKIN			KHOU	HOUSTON	TX (US)
DP	LUFKIN			KIAH	HOUSTON	TX (US)
DP	LUFKIN			KIWS	HOUSTON	TX (US)
DP	LUFKIN			KSGR	HOUSTON	TX (US)
DP	LUFKIN			KTME	HOUSTON	TX (US)
DP	LUFKIN			KT41	LA PORTE	TX (US)
DP	DALLAS			KLNC	LANCASTER	TX (US)
DP	DALLAS			KTKI	MC KINNEY	TX (US)
DP	DALLAS			KHQZ	MESQUITE	TX (US)
EN ROUTE	J101					(US)
EN ROUTE	J131					(US)
EN ROUTE	J137					(US)

EN ROUTE	J14				(US)
EN ROUTE	J180				(US)
EN ROUTE	J6				(US)
EN ROUTE	J6-14				(US)
EN ROUTE	J66				(US)
EN ROUTE	Q33				(US)
EN ROUTE	V124				(US)
EN ROUTE	V124-573				(US)
EN ROUTE	V305				(US)
EN ROUTE	V47				(US)
EN ROUTE	V532				(US)
EN ROUTE	V534				(US)
EN ROUTE	V54				(US)
EN ROUTE	V74				(US)
IAP	RNAV (GPS) RWY 7		KBVX	BATESVILLE	AR (US)
IAP	LOC/DME RWY 2		KSUZ	BENTON	AR (US)
IAP	VOR/DME RWY 9		K4M3	CARLISLE	AR (US)
IAP	NDB-A		KM03	CONWAY	AR (US)
IAP	ILS OR LOC RWY 5		KHOT	HOT SPRINGS	AR (US)
IAP	VOR Y RWY 5		KHOT	HOT SPRINGS	AR (US)
IAP	VOR Z RWY 5		KHOT	HOT SPRINGS	AR (US)
IAP	ILS OR LOC RWY 22L		KLIT	LITTLE ROCK	AR (US)
IAP	ILS OR LOC RWY 22R		KLIT	LITTLE ROCK	AR (US)
IAP	ILS OR LOC RWY 4L		KLIT	LITTLE ROCK	AR (US)
IAP	ILS OR LOC RWY 4R		KLIT	LITTLE ROCK	AR (US)
IAP	ILS RWY 22R (CAT II)		KLIT	LITTLE ROCK	AR (US)
IAP	ILS RWY 22R (CAT III)		KLIT	LITTLE ROCK	AR (US)
IAP	RNAV (GPS) RWY 18		KLIT	LITTLE ROCK	AR (US)
IAP	VOR-A		KLIT	LITTLE ROCK	AR (US)
IAP	LOC/DME RWY 5		KORK	NORTH LITTLE ROCK	AR (US)
IAP	VOR RWY 35	1	KORK	NORTH LITTLE ROCK	AR (US)
IAP	ILS OR LOC RWY 18		KPBF	PINE BLUFF	AR (US)
IAP	ILS OR LOC RWY 1		KSRC	SEARCY	AR (US)
IAP	ILS OR LOC RWY 36		KSGT	STUTTGART	AR (US)
IAP	RNAV (GPS) RWY 18		KSGT	STUTTGART	AR (US)
IAP	RNAV (GPS) RWY 9		KSGT	STUTTGART	AR (US)
OTHER	PITCH/CATCH POINT		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	CONDR (RNAV)		KMEM	MEMPHIS	TN (US)
STAR	MARVELL		KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)		KMEM	MEMPHIS	TN (US)
STAR	SASIE		KGKY	ARLINGTON	TX (US)
STAR	FINGR		KADS	DALLAS	TX (US)
STAR	FINGR		KDAL	DALLAS	TX (US)
STAR	FINGR		KRBD	DALLAS	TX (US)
STAR	BONHAM		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	WILBR		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	SASIE		KDTO	DENTON	TX (US)
STAR	SASIE		KAFW	FORT WORTH	TX (US)
STAR	SASIE		KFTW	FORT WORTH	TX (US)
STAR	SASIE		KFWS	FORT WORTH	TX (US)
STAR	SASIE		KNFW	FORT WORTH	TX (US)
STAR	SASIE		KGPM	GRAND PRAIRIE	TX (US)
STAR	FINGR		KLNC	LANCASTER	TX (US)
STAR	FINGR		KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 **DATE OF REVISION:** 07/29/2010

REASON FOR REVISION:
ADDED "PRECIPITOUS TERRAIN EVALUATION COMPLETED" TO REMARKS

DEVELOPED BY: **DATE:** 07/16/2009 **OFFICE:** AVN-120 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** 02/26/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZME
ATC FACILITY: LIT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TEXARKANA VORTAC **STATE:** AR **COUNTRY:** US

LATITUDE/LONGITUDE: 333049.97N/0940423.67W **TYPE:**

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

INFO ONLY

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	TEXARKANA	TXK	VORTAC	H							45000

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	NW	TXK	VORTAC	302.00	122.00	L	1		2000	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	TOWER (48-011922)	333024.00N/0941226.00W	917	4D
1	200	TOWER (05-001121)	333818.87N/0941216.72W	739	2C

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

REMARKS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MEMPHIS	1		KMEM	MEMPHIS	TN (US)
DP	DALLAS	1		KGKY	ARLINGTON	TX (US)
DP	GARLAND	1		KGKY	ARLINGTON	TX (US)
DP	WYLIE	1		KGKY	ARLINGTON	TX (US)
DP	DALLAS	1		KADS	DALLAS	TX (US)
DP	GARLAND	1		KADS	DALLAS	TX (US)
DP	WYLIE	1		KADS	DALLAS	TX (US)
DP	BACHMAN	1		KDAL	DALLAS	TX (US)
DP	DALLAS	1		KDAL	DALLAS	TX (US)
DP	GARLAND	1		KDAL	DALLAS	TX (US)
DP	WYLIE	1		KDAL	DALLAS	TX (US)
DP	DALLAS	1		KRBD	DALLAS	TX (US)
DP	GARLAND	1		KRBD	DALLAS	TX (US)
DP	WYLIE	1		KRBD	DALLAS	TX (US)
DP	DALLAS	1		KDFW	DALLAS-FORT WORTH	TX (US)
DP	GARLAND	1		KDFW	DALLAS-FORT WORTH	TX (US)
DP	HUBBARD	1		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TRISS (RNAV)	1		KDFW	DALLAS-FORT WORTH	TX (US)
DP	WYLIE	1		KDFW	DALLAS-FORT WORTH	TX (US)
DP	DALLAS	1		KDTO	DENTON	TX (US)
DP	GARLAND	1		KDTO	DENTON	TX (US)
DP	DALLAS	1		KAFW	FORT WORTH	TX (US)
DP	GARLAND	1		KAFW	FORT WORTH	TX (US)
DP	WYLIE	1		KAFW	FORT WORTH	TX (US)
DP	DALLAS	1		KFTW	FORT WORTH	TX (US)
DP	GARLAND	1		KFTW	FORT WORTH	TX (US)
DP	WYLIE	1		KFTW	FORT WORTH	TX (US)
DP	DALLAS	1		KFWS	FORT WORTH	TX (US)
DP	GARLAND	1		KFWS	FORT WORTH	TX (US)
DP	DALLAS	1		KNFW	FORT WORTH	TX (US)
DP	GARLAND	1		KNFW	FORT WORTH	TX (US)
DP	DALLAS	1		KGPM	GRAND PRAIRIE	TX (US)
DP	GARLAND	1		KGPM	GRAND PRAIRIE	TX (US)
DP	DALLAS	1		KLNC	LANCASTER	TX (US)
DP	GARLAND	1		KLNC	LANCASTER	TX (US)
DP	DALLAS	1		KTKI	MC KINNEY	TX (US)
DP	GARLAND	1		KTKI	MC KINNEY	TX (US)
DP	DALLAS	1		KHQZ	MESQUITE	TX (US)
DP	GARLAND	1		KHQZ	MESQUITE	TX (US)
EN ROUTE	J131	1				(US)
EN ROUTE	J42	1				(US)
EN ROUTE	J52	1				(US)
EN ROUTE	Q34	1				(US)
EN ROUTE	V13	1				(US)
EN ROUTE	V16	1				(US)
EN ROUTE	V278	1				(US)
EN ROUTE	V289	1				(US)
EN ROUTE	V54	1				(US)
EN ROUTE	V573	1				(US)
IAP	RNAV (GPS) RWY 4	1		KM89	ARKADELPHIA	AR (US)
IAP	RNAV (GPS) RWY 8	1		KDEQ	DE QUEEN	AR (US)

IAP	NDB RWY 16	1		KM18	HOPE	AR (US)
IAP	ILS OR LOC RWY 22	1		KTXK	TEXARKANA	AR (US)
IAP	LOC BC RWY 4	1		KTXK	TEXARKANA	AR (US)
IAP	RNAV (GPS) RWY 13	1		KTXK	TEXARKANA	AR (US)
IAP	RNAV (GPS) RWY 31	1		KTXK	TEXARKANA	AR (US)
IAP	VOR RWY 13	1	1	KTXK	TEXARKANA	AR (US)
IAP	NDB RWY 5	1		KATA	ATLANTA	TX (US)
OTHER	PITCH/CATCH POINT	1		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MARVELL	1		KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)	1		KMEM	MEMPHIS	TN (US)
STAR	SASIE			KGKY	ARLINGTON	TX (US)
STAR	FINGR			KADS	DALLAS	TX (US)
STAR	FINGR	1		KDAL	DALLAS	TX (US)
STAR	FINGR			KRBD	DALLAS	TX (US)
STAR	BONHAM	1		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	WILBR	1		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	SASIE			KDTO	DENTON	TX (US)
STAR	SASIE	1		KAFW	FORT WORTH	TX (US)
STAR	SASIE			KFTW	FORT WORTH	TX (US)
STAR	SASIE			KFWS	FORT WORTH	TX (US)
STAR	SASIE			KNFW	FORT WORTH	TX (US)
STAR	SASIE			KGPM	GRAND PRAIRIE	TX (US)
STAR	FINGR			KLNC	LANCASTER	TX (US)
STAR	FINGR			KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 01/15/2009

REASON FOR REVISION:
FIX USE UPDATE.
UPDATED HOLDING PATTERN 1 AND PATTERN 2 CONTROLLING OBSTACLE DATA.

DEVELOPED BY: **DATE:** 07/16/2008 **OFFICE:** AVN-120 **NAME:** JOHNNIE BAKER

APPROVED BY: **DATE:** 11/03/2008 **OFFICE:** AVN-120 **NAME:** JOHN BICKERSTAFF

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZFW
ATC FACILITY: TXK ATCT
OTHER:

Name:	MILLERJ
Project Name:	MEM TAMMY4 ELD BARFF 20120125
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	1/25/2012 9:26:05 AM
Input File:	KMEM TAMMY4 ELD BA...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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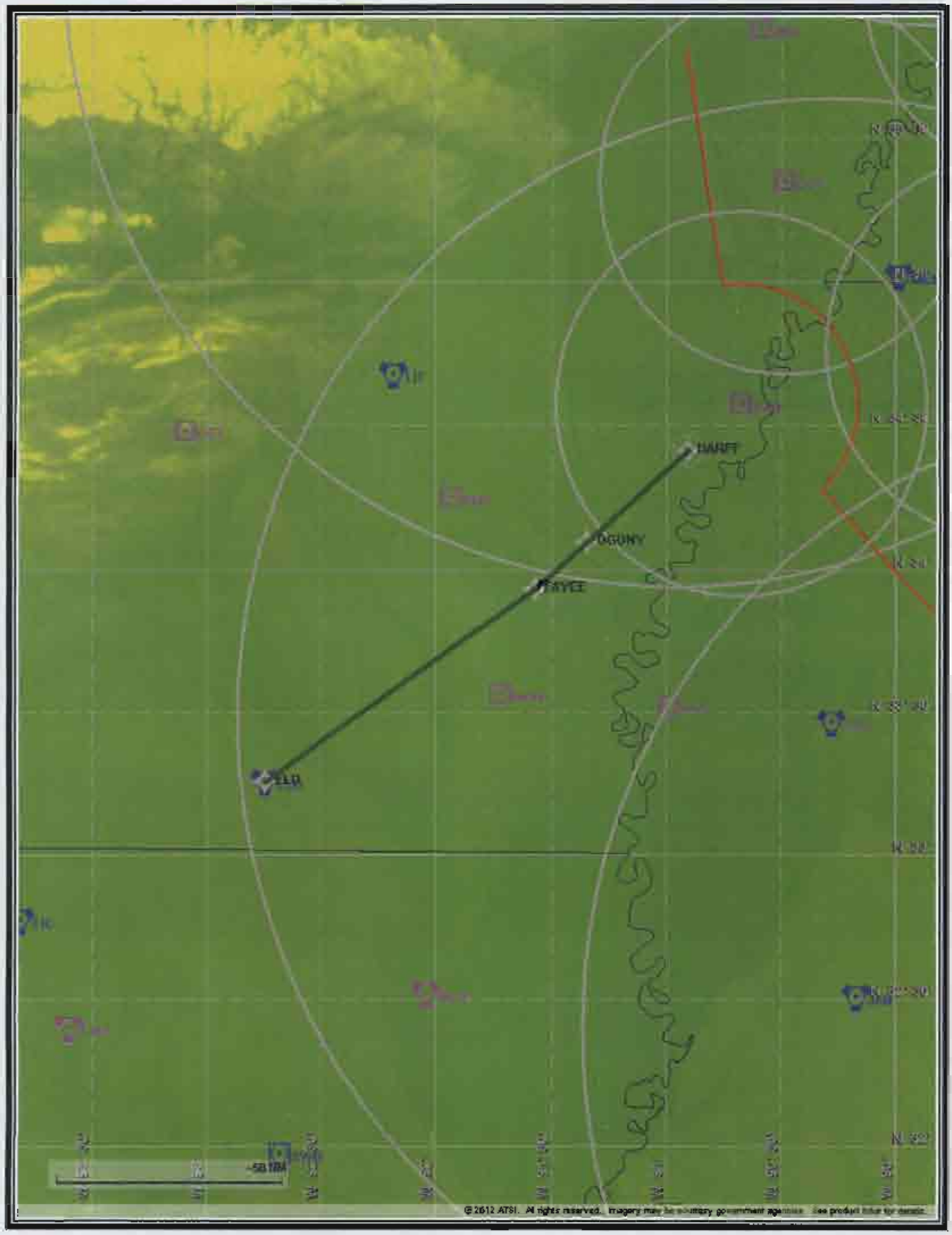
BARFF
DGUNY
ELD
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
ELD	WP	N 33° 15' 22.15" W 92° 44' 38.21"	18000.0	Step	300.0	Fly By	TF
FAYEE	WP	N 33° 55' 46.73" W 91° 34' 14.73"	18000.0	Step	250.0	Fly By	TF
OGONY	WP	N 34° 5' 39.87" W 91° 20' 38.74"	16000.0	Step	250.0	Fly By	TF
BARFF	WP	N 34° 24' 41.53" W 90° 54' 13.17"	10000.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival/Approach
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:

Table:

200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Entire track is fly-able

DME/DME

Return To Summary

Settings:

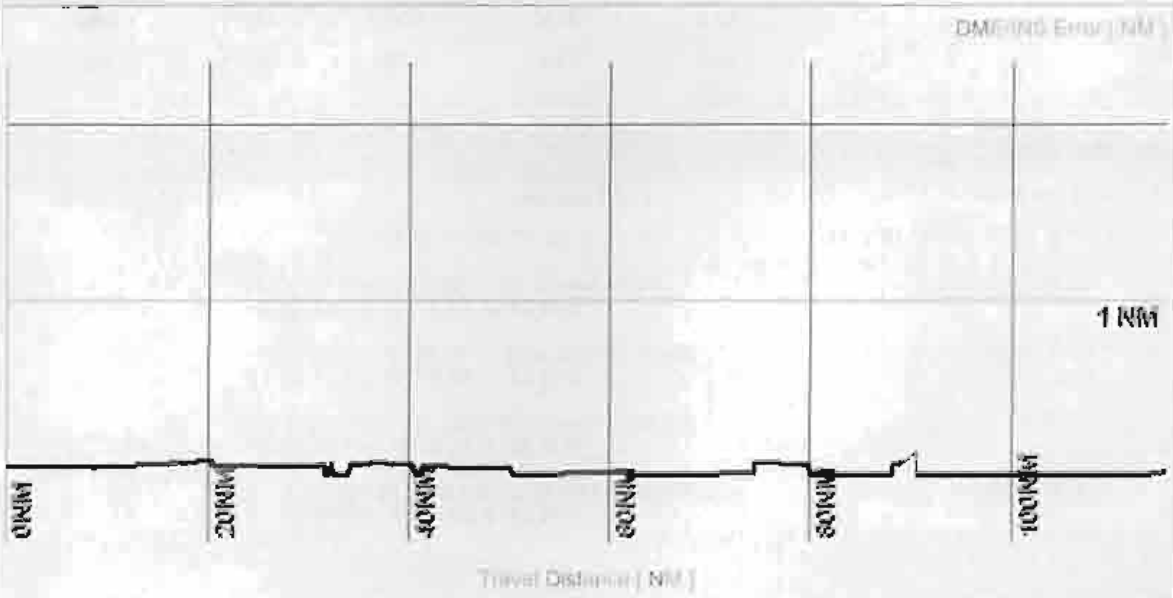
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 10

Maximum DME Error: 0.373 NM

No Critical DMEs were found.

Available DMEs: EIC, LIT, SWB, TXK, ELD, MON, SQS, PBF, MEM, UJM, HLI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	LIT	N 34° 40' 39.62" W 92° 10' 49.90"	H	Database	NO	0.603	Enabled	39.3 %	41.2 %
2	TXK	N 33° 30' 49.97" W 94° 4' 23.67"	H	Database	NO	0.424	Enabled	28.7 %	30.5 %
3	SWB	N 31° 58' 23.50" W 92° 40' 37.52"	H	Database	NO	0.373	Enabled	9.8 %	10.4 %
4	MON	N 33° 33' 43.40" W 91° 42' 56.46"	L	Database	NO	0.373	Enabled	15.1 %	15.5 %
5	SQS	N 33° 27' 49.90" W 90° 16' 38.40"	H + ESV	User	NO	1.322	Enabled	42.1 %	39.0 %
6	PBF	N 34° 14' 48.33" W 91° 55' 34.23"	L	Database	NO	0.373	Enabled	12.0 %	12.8 %
7	ELD	N 33° 15' 22.15" W 92° 44' 38.21"	H	Database	NO	0.360	Enabled	20.9 %	22.0 %
8	MEM	N 35° 0' 54.42" W 89° 58' 59.55"	H	Database	NO	0.373	Enabled	4.8 %	4.7 %
9	UJM	N 34° 34' 30.16" W 90° 40' 27.84"	L + ESV	User	NO	0.591	Enabled	24.9 %	21.4 %
10	HLI	N 34° 46' 12.95" W 89° 29' 47.39"	L + ESV	User	NO	0.373	Enabled	0.2 %	0.2 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	LIT	TXK	SWB	EIC	ELD	MON
20.2	LIT	TXK	SWB	SQS	MON	ELD
38.7	LIT	ELD	PBF	SQS	MON	
70.9	LIT	ELD	MEM	SQS	MON	PBF
86.3	LIT	ELD	UJM	SQS	MON	PBF
97.0	HLI	SQS	UJM			

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 7' 33.30" W 91° 18' 2.31"	N 34° 8' 23.27" W 91° 16' 53.23"	1.3

VOR: GLH	Available from N 34° 7' 33.30" W 91° 18' 2.31" to N 34° 8' 23.27" W 91° 16' 53.23"
VOR: MON	Available from N 34° 7' 33.30" W 91° 18' 2.31" to N 34° 7' 46.46" W 91° 17' 44.13"
VOR: PBF	Available from N 34° 7' 33.30" W 91° 18' 2.31" to N 34° 8' 23.27" W 91° 16' 53.23"
VOR: UJM	Available from N 34° 8' 18.01" W 91° 17' 0.50" to N 34° 8' 23.27" W 91° 16' 53.23"

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	SQS	N 33° 27' 49.90" W 90° 16' 38.40"	H	125.0	114.70	SQS	Used
		ESV: Bearing [True]: 303.0° to 350.0° Bearing [Mag]: 300.0° to 347.0°			Arc Distance: Out to 77.0 NM Altitude: 6500.0 to 23000.0 Ft.		
2	GQE	N 35° 20' 49.31" W 90° 28' 41.37"	L	211.0	113.00	GQE	Not Used
		ESV: Bearing [True]: 110.0° to 200.0° Bearing [Mag]: 106.0° to 196.0°			Arc Distance: Out to 62.0 NM Altitude: 3200.0 to 19000.0 Ft.		
3	HLI	N 34° 46' 12.95" W 89° 29' 47.39"	L	630.0	112.40	HLI	Used
		ESV: Bearing [True]: 246.0° to 288.0° Bearing [Mag]: 243.0° to 285.0°			Arc Distance: Out to 96.0 NM Altitude: 8500.0 to 19000.0 Ft.		
		ESV: Bearing [True]: 324.0° to 340.0° Bearing [Mag]: 321.0° to 337.0°			Arc Distance: Out to 75.0 NM Altitude: 7500.0 to 19000.0 Ft.		
		ESV: Bearing [True]: 290.0° to 328.0° Bearing [Mag]: 287.0° to 325.0°			Arc Distance: Out to 51.0 NM Altitude: 2500.0 to 18000.0 Ft.		
4	OTB	N 34° 13' 25.88" W 88° 47' 50.44"	L	363.7	109.80	OTB	Not Used
		ESV: Bearing [True]: 291.0° to 298.0° Bearing [Mag]: 287.0° to 294.0°			Arc Distance: Out to 71.0 NM Altitude: 3200.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 345.0° to 37.0° Bearing [Mag]: 341.0° to 33.0°			Arc Distance: Out to 64.0 NM Altitude: 10000.0 to 12000.0 Ft.		
		ESV: Bearing [True]: 312.0° to 11.0° Bearing [Mag]: 308.0° to 7.0°			Arc Distance: Out to 62.0 NM Altitude: 3500.0 to 12000.0 Ft.		
5	DYR	N 36° 1' 6.78" W 89° 19' 3.69"	L	388.7	116.80	DYR	Not Used
		ESV: Bearing [True]: 220.0° to 303.0° Bearing [Mag]: 217.0° to 300.0°			Arc Distance: Out to 58.0 NM Altitude: 4200.0 to 23000.0 Ft.		
		ESV: Bearing [True]: 223.0° to 245.0° Bearing [Mag]: 220.0° to 242.0°			Arc Distance: Out to 79.0 NM Altitude: 5000.0 to 21000.0 Ft.		
		ESV: Bearing [True]: 188.0° to 201.0° Bearing [Mag]: 185.0° to 198.0°			Arc Distance: Out to 62.0 NM Altitude: 3200.0 to 18000.0 Ft.		
		ESV: Bearing [True]: 180.0° to 210.0° Bearing [Mag]: 177.0° to 207.0°			Arc Distance: Out to 72.0 NM Altitude: 4500.0 to 16000.0 Ft.		
6	ARG	N 36° 6' 35.95" W 90° 57' 13.23"	H	260.0	114.50	ARG	Not Used
		ESV: Bearing [True]: 115.0° to 168.0° Bearing [Mag]: 111.0° to 164.0°			Arc Distance: Out to 69.0 NM Altitude: 4500.0 to 19000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
7	UJM	N 34° 34' 30.16" W 90° 40' 27.84"	L	240.8	109.60	UJM	Used
		Restriction:	Bearing [True]: 351.0° to 136.0° Bearing [Mag]: 350.0° to 135.0°		Distance: Beyond 25.0 NM Altitude: Below 2800.0 Ft.		
		ESV:	Bearing [True]: 15.0° to 90.0° Bearing [Mag]: 14.0° to 89.0°		Arc Distance: Out to 60.0 NM Altitude: 3500.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 50.0° to 70.0° Bearing [Mag]: 49.0° to 69.0°		Arc Distance: Out to 59.0 NM Altitude: 3000.0 to 17000.0 Ft.		
8	IGB	N 33° 29' 7.75" W 88° 30' 48.93"	L	240.1	116.20	IGB	Not Used
		ESV:	Bearing [True]: 265.0° to 301.0° Bearing [Mag]: 261.0° to 297.0°		Arc Distance: Out to 96.0 NM Altitude: 8500.0 to 23000.0 Ft.		
		ESV:	Bearing [True]: 260.0° to 319.0° Bearing [Mag]: 256.0° to 315.0°		Arc Distance: Out to 98.0 NM Altitude: 8500.0 to 23000.0 Ft.		
9	MEI	N 32° 22' 42.43" W 88° 48' 15.31"	H	578.1	117.00	MEI	Not Used
		ESV:	Bearing [True]: 305.0° to 318.0° Bearing [Mag]: 300.0° to 313.0°		Arc Distance: Out to 109.0 NM Altitude: 12000.0 to 25000.0 Ft.		
10	HAB	N 34° 11' 55.57" W 88° 0' 41.83"	L	802.1	110.40	HAB	Not Used
		ESV:	Bearing [True]: 315.0° to 358.0° Bearing [Mag]: 313.0° to 356.0°		Arc Distance: Out to 73.0 NM Altitude: 10000.0 to 15000.0 Ft.		
11	MSL	N 34° 42' 24.68" W 87° 29' 29.70"	L	579.7	116.50	MSL	Not Used
		Restriction:	Bearing [True]: 47.0° to 85.0° Bearing [Mag]: 46.0° to 84.0°		Distance: Beyond 25.0 NM Altitude: Below 2000.0 Ft.		
		ESV:	Bearing [True]: 236.0° to 281.0° Bearing [Mag]: 235.0° to 280.0°		Arc Distance: Out to 90.0 NM Altitude: 7500.0 to 21000.0 Ft.		
		ESV:	Bearing [True]: 296.0° to 350.0° Bearing [Mag]: 295.0° to 349.0°		Arc Distance: Out to 82.0 NM Altitude: 12000.0 to 21000.0 Ft.		
12	JKS	N 35° 35' 56.36" W 88° 21' 31.96"	L	630.0	109.40	JKS	Not Used
		ESV:	Bearing [True]: 236.0° to 245.0° Bearing [Mag]: 234.0° to 243.0°		Arc Distance: Out to 73.0 NM Altitude: 4800.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 176.0° to 235.0° Bearing [Mag]: 174.0° to 233.0°		Arc Distance: Out to 84.0 NM Altitude: 6200.0 to 19000.0 Ft.		

DME/DME (Continued.)

Return To Summary

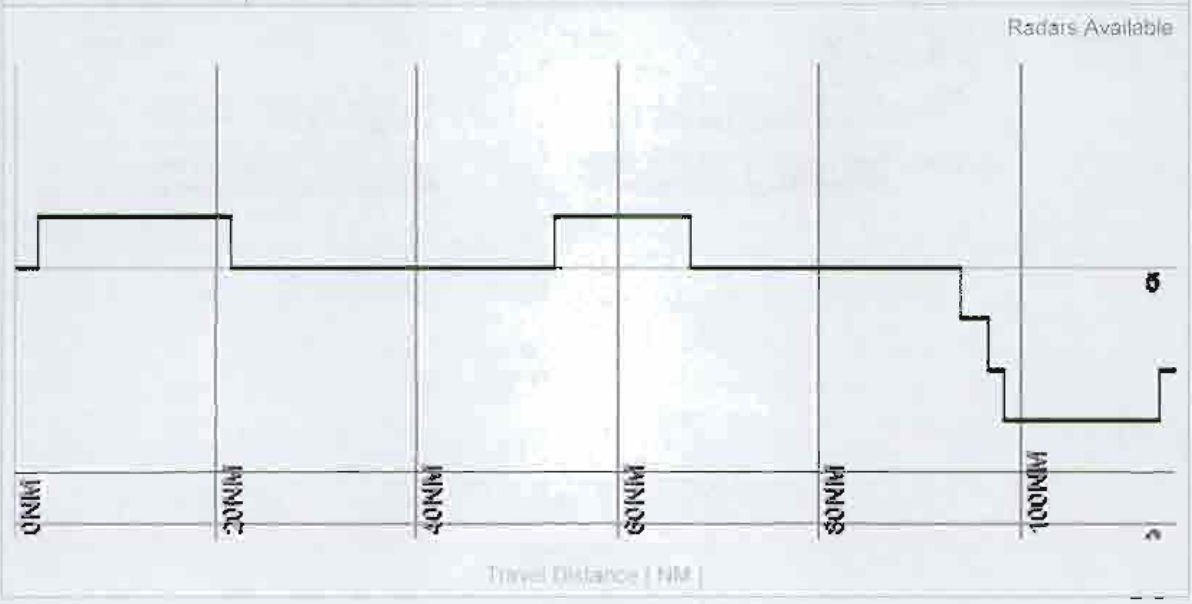
User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
13	MAW	N 36° 33' 18.41" W 89° 54' 41.12"	L	280.0	111.20	MAW	Not Used
		ESV:	Bearing [True]: 187.0° to 207.0° Bearing [Mag]: 184.0° to 204.0°		Arc Distance: Out to 86.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 146.0° to 183.0° Bearing [Mag]: 143.0° to 180.0°		Arc Distance: Out to 59.0 NM Altitude: 7000.0 to 23000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR



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Software:	RNAV-Pro™
Version:	2.35
Date/Time:	1/25/2012 9:13:43 AM
Input File:	KMEM TAMMY4 LIT SKE...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	**Please Check Flyability Results**
DME/DME	✔	
Radars	✔	
Comms	?	
TERPS	?	

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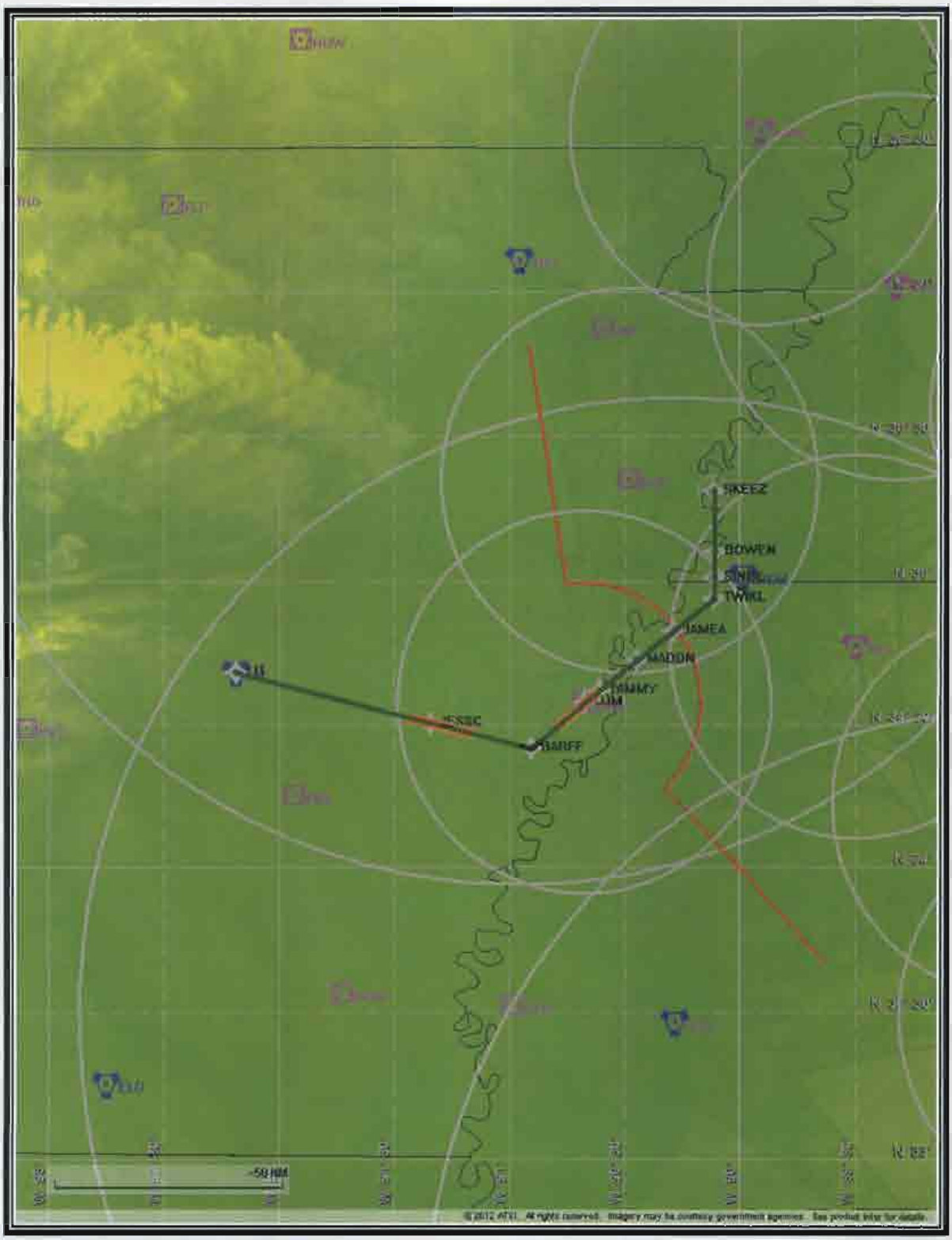

SKEEZ
BOWEN
TWIKL
JAMEA
MADDN
TAMMY
LIM
MEM
50 NM

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
LIT	WP	N 34° 40' 39.62" W 92° 10' 49.90"	18000.0	Step	300.0	Fly By	TF
JESSC	WP	N 34° 30' 13.75" W 91° 20' 17.90"	10000.0	Step	250.0	Fly By	TF
BARFF	WP	N 34° 24' 41.53" W 90° 54' 13.17"	10000.0	Step	250.0	Fly By	TF
UJM	WP	N 34° 34' 30.16" W 90° 40' 27.84"	7000.0	Step	250.0	Fly By	TF
TAMMY	WP	N 34° 37' 3.07" W 90° 36' 30.07"	7000.0	Step	250.0	Fly By	TF
MADDN	WP	N 34° 43' 20.78" W 90° 26' 40.06"	7000.0	Step	210.0	Fly By	TF
JAMEA	WP	N 34° 49' 18.56" W 90° 17' 18.66"	7000.0	Step	210.0	Fly By	TF
TWIKL	WP	N 34° 56' 1.77" W 90° 6' 42.95"	7000.0	Step	210.0	Fly By	TF
SINBE	WP	N 35° 0' 32.18" W 90° 6' 37.86"	4000.0	Step	180.0	Fly By	TF
BOWEN	WP	N 35° 5' 59.25" W 90° 6' 31.69"	4000.0	Step	180.0	Fly By	TF
SKEEZ	WP	N 35° 18' 33.89" W 90° 6' 42.92"	4000.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival/Approach
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:

Table:

200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

ALTITUDE at Fly-By WP SINBE too high.

DME/DME

Return To Summary

Settings:

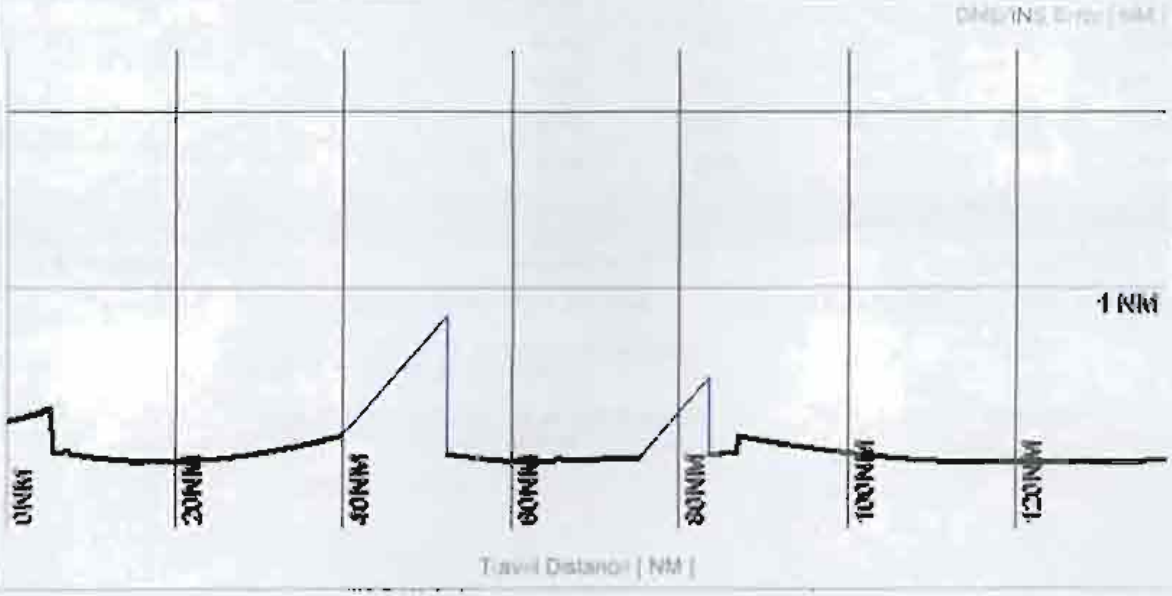
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 8

Maximum DME Error: 0.884 NM

3 Critical DMEs were found.

Available DMEs: ELD, PBF, LIT, UJM, HLI, SQS, GQE, MEM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ELD	N 33° 15' 22.15" W 92° 44' 38.21"	H	Database	NO	0.884	Enabled	4.3 %	5.0 %
2	PBF	N 34° 14' 48.33" W 91° 55' 34.23"	L	Database	YES	2.076	Enabled	26.3 %	27.3 %
3	LIT	N 34° 40' 39.62" W 92° 10' 49.90"	H	Database	YES	2.286	Enabled	24.1 %	24.8 %
4	SQS	N 33° 27' 49.90" W 90° 16' 38.40"	H + ESV	User	YES	2.137	Enabled	19.5 %	19.2 %
5	UJM	N 34° 34' 30.16" W 90° 40' 27.84"	L + ESV	User	NO	0.934	Enabled	31.4 %	30.8 %
6	HLI	N 34° 46' 12.95" W 89° 29' 47.39"	L + ESV	User	NO	0.884	Enabled	9.8 %	9.6 %
7	MEM	N 35° 0' 54.42" W 89° 58' 59.55"	H	Database	NO	0.884	Enabled	24.5 %	24.1 %
8	GQE	N 35° 20' 49.31" W 90° 28' 41.37"	L + ESV	User	NO	1.136	Enabled	29.0 %	28.4 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ELD	PBF	LIT			
33.0	UJM	PBF	LIT	HLI		
43.0	UJM	PBF	SQS	HLI		
64.4	UJM	GQE	SQS	HLI		
80.0	UJM	GQE	SQS	MEM		
84.3	UJM	GQE	SQS	MEM		
94.5	UJM	GQE	MEM			
104.3	UJM	GQE	MEM	HLI		
114.5	UJM	GQE	MEM	HLI		
119.7	UJM	GQE	MEM	HLI		
125.0	UJM	GQE	MEM	HLI		

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 38' 59.50" W 92° 2' 36.61"	N 34° 38' 54.71" W 92° 2' 13.08"	0.3
	VOR: LIT	Available from N 34° 38' 59.50" W 92° 2' 36.61" to N 34° 38' 54.71" W 92° 2' 13.08"	
	VOR: PBF	Available from N 34° 38' 59.50" W 92° 2' 36.61" to N 34° 38' 54.71" W 92° 2' 13.08"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 34° 31' 0.95" W 91° 24' 2.50"	N 34° 27' 58.05" W 91° 9' 34.92"	12.3
	VOR: LIT	Available from N 34° 31' 0.95" W 91° 24' 2.50" to N 34° 30' 58.49" W 91° 23' 50.77"	
	VOR: PBF	Available from N 34° 31' 0.95" W 91° 24' 2.50" to N 34° 28' 3.02" W 91° 9' 58.36"	
	VOR: UJM	Available from N 34° 31' 0.95" W 91° 24' 2.50" to N 34° 27' 58.05" W 91° 9' 34.92"	
3	N 34° 31' 15.85" W 90° 45' 0.70"	N 34° 36' 32.71" W 90° 37' 17.27"	8.3
	VOR: UJM	Available from N 34° 31' 15.85" W 90° 45' 0.70" to N 34° 36' 32.71" W 90° 37' 17.27"	
	VOR: MEM	Available from N 34° 36' 26.56" W 90° 37' 26.83" to N 34° 36' 32.71" W 90° 37' 17.27"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	SQS	N 33° 27' 49.90" W 90° 16' 38.40"	H	125.0	114.70	SQS	Used
	ESV:	Bearing [True]: 303.0° to 350.0° Bearing [Mag]: 300.0° to 347.0°			Arc Distance: Out to 77.0 NM Altitude: 6500.0 to 23000.0 Ft.		
2	GQE	N 35° 20' 49.31" W 90° 28' 41.37"	L	211.0	113.00	GQE	Used
	ESV:	Bearing [True]: 110.0° to 200.0° Bearing [Mag]: 106.0° to 196.0°			Arc Distance: Out to 62.0 NM Altitude: 3200.0 to 19000.0 Ft.		
3	HLI	N 34° 46' 12.95" W 89° 29' 47.39"	L	630.0	112.40	HLI	Used
	ESV:	Bearing [True]: 246.0° to 288.0° Bearing [Mag]: 243.0° to 285.0°			Arc Distance: Out to 96.0 NM Altitude: 8500.0 to 19000.0 Ft.		
	ESV:	Bearing [True]: 324.0° to 340.0° Bearing [Mag]: 321.0° to 337.0°			Arc Distance: Out to 75.0 NM Altitude: 7500.0 to 19000.0 Ft.		
	ESV:	Bearing [True]: 290.0° to 328.0° Bearing [Mag]: 287.0° to 325.0°			Arc Distance: Out to 51.0 NM Altitude: 2500.0 to 18000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
4	OTB	N 34° 13' 25.88" W 88° 47' 50.44"	L	363.7	109.80	OTB	Not Used
		ESV:	Bearing [True]: 291.0° to 298.0° Bearing [Mag]: 287.0° to 294.0°		Arc Distance: Out to 71.0 NM Altitude: 3200.0 to 15000.0 Ft.		
		ESV:	Bearing [True]: 345.0° to 37.0° Bearing [Mag]: 341.0° to 33.0°		Arc Distance: Out to 64.0 NM Altitude: 10000.0 to 12000.0 Ft.		
		ESV:	Bearing [True]: 312.0° to 11.0° Bearing [Mag]: 308.0° to 7.0°		Arc Distance: Out to 62.0 NM Altitude: 3500.0 to 12000.0 Ft.		
5	DYR	N 36° 1' 6.78" W 89° 19' 3.69"	L	388.7	116.80	DYR	Not Used
		ESV:	Bearing [True]: 220.0° to 303.0° Bearing [Mag]: 217.0° to 300.0°		Arc Distance: Out to 58.0 NM Altitude: 4200.0 to 23000.0 Ft.		
		ESV:	Bearing [True]: 223.0° to 245.0° Bearing [Mag]: 220.0° to 242.0°		Arc Distance: Out to 79.0 NM Altitude: 5000.0 to 21000.0 Ft.		
		ESV:	Bearing [True]: 188.0° to 201.0° Bearing [Mag]: 185.0° to 198.0°		Arc Distance: Out to 62.0 NM Altitude: 3200.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 180.0° to 210.0° Bearing [Mag]: 177.0° to 207.0°		Arc Distance: Out to 72.0 NM Altitude: 4500.0 to 16000.0 Ft.		
6	ARG	N 36° 6' 35.95" W 90° 57' 13.23"	H	260.0	114.50	ARG	Not Used
		ESV:	Bearing [True]: 115.0° to 168.0° Bearing [Mag]: 111.0° to 164.0°		Arc Distance: Out to 69.0 NM Altitude: 4500.0 to 19000.0 Ft.		
7	UJM	N 34° 34' 30.16" W 90° 40' 27.84"	L	240.8	109.60	UJM	Used
		Restriction:	Bearing [True]: 351.0° to 136.0° Bearing [Mag]: 350.0° to 135.0°		Distance: Beyond 25.0 NM Altitude: Below 2800.0 Ft.		
		ESV:	Bearing [True]: 15.0° to 90.0° Bearing [Mag]: 14.0° to 89.0°		Arc Distance: Out to 60.0 NM Altitude: 3500.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 50.0° to 70.0° Bearing [Mag]: 49.0° to 69.0°		Arc Distance: Out to 59.0 NM Altitude: 3000.0 to 17000.0 Ft.		
8	IGB	N 33° 29' 7.75" W 88° 30' 48.93"	L	240.1	116.20	IGB	Not Used
		ESV:	Bearing [True]: 265.0° to 301.0° Bearing [Mag]: 261.0° to 297.0°		Arc Distance: Out to 96.0 NM Altitude: 8500.0 to 23000.0 Ft.		
		ESV:	Bearing [True]: 260.0° to 319.0° Bearing [Mag]: 256.0° to 315.0°		Arc Distance: Out to 98.0 NM Altitude: 8500.0 to 23000.0 Ft.		
9	MEI	N 32° 22' 42.43" W 88° 48' 15.31"	H	578.1	117.00	MEI	Not Used
		ESV:	Bearing [True]: 305.0° to 318.0° Bearing [Mag]: 300.0° to 313.0°		Arc Distance: Out to 109.0 NM Altitude: 12000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

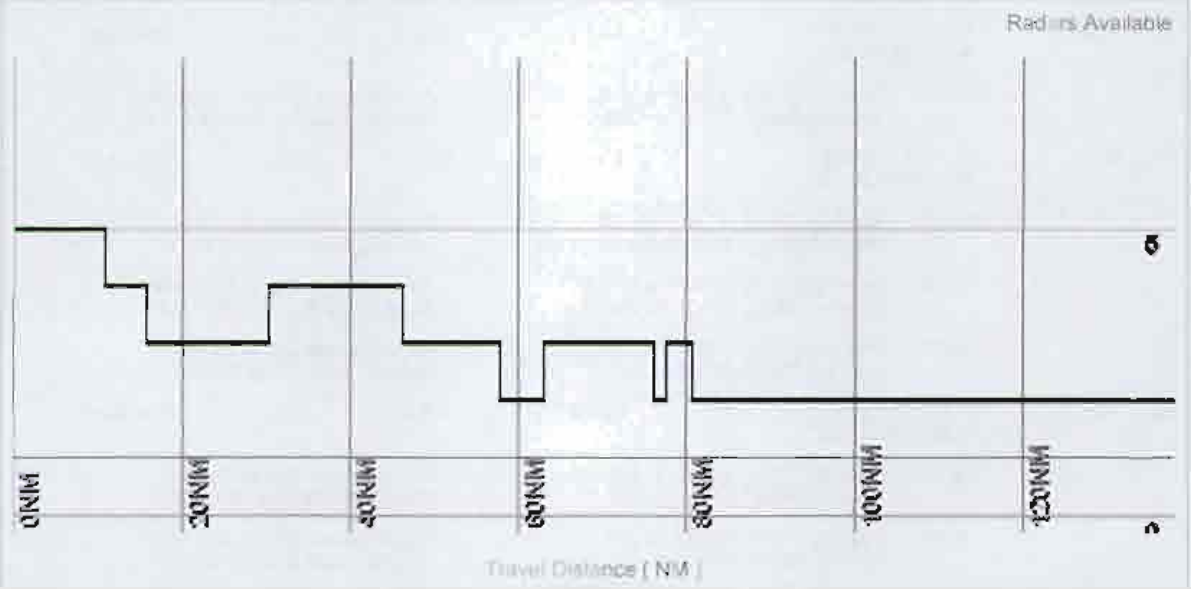
User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	HAB	N 34° 11' 55.57" W 88° 0' 41.83"	L	802.1	110.40	HAB	Not Used
		ESV:	Bearing [True]: 315.0° to 358.0° Bearing [Mag]: 313.0° to 356.0°		Arc Distance: Out to 73.0 NM Altitude: 10000.0 to 15000.0 Ft.		
11	MSL	N 34° 42' 24.68" W 87° 29' 29.70"	L	579.7	116.50	MSL	Not Used
		Restriction:	Bearing [True]: 47.0° to 85.0° Bearing [Mag]: 46.0° to 84.0°		Distance: Beyond 25.0 NM Altitude: Below 2000.0 Ft.		
		ESV:	Bearing [True]: 236.0° to 281.0° Bearing [Mag]: 235.0° to 280.0°		Arc Distance: Out to 90.0 NM Altitude: 7500.0 to 21000.0 Ft.		
		ESV:	Bearing [True]: 296.0° to 350.0° Bearing [Mag]: 295.0° to 349.0°		Arc Distance: Out to 82.0 NM Altitude: 12000.0 to 21000.0 Ft.		
12	JKS	N 35° 35' 56.36" W 88° 21' 31.96"	L	630.0	109.40	JKS	Not Used
		ESV:	Bearing [True]: 236.0° to 245.0° Bearing [Mag]: 234.0° to 243.0°		Arc Distance: Out to 73.0 NM Altitude: 4800.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 176.0° to 235.0° Bearing [Mag]: 174.0° to 233.0°		Arc Distance: Out to 84.0 NM Altitude: 6200.0 to 19000.0 Ft.		
13	MAW	N 36° 33' 18.41" W 89° 54' 41.12"	L	280.0	111.20	MAW	Not Used
		ESV:	Bearing [True]: 187.0° to 207.0° Bearing [Mag]: 184.0° to 204.0°		Arc Distance: Out to 86.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 146.0° to 183.0° Bearing [Mag]: 143.0° to 180.0°		Arc Distance: Out to 59.0 NM Altitude: 7000.0 to 23000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR



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Project Name:	MEM TAMMY4 MEVEE ROCAB 20120319
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	3/19/2012 8:42:12 AM
Input File:	TAMMY MEVEE RW36R 20
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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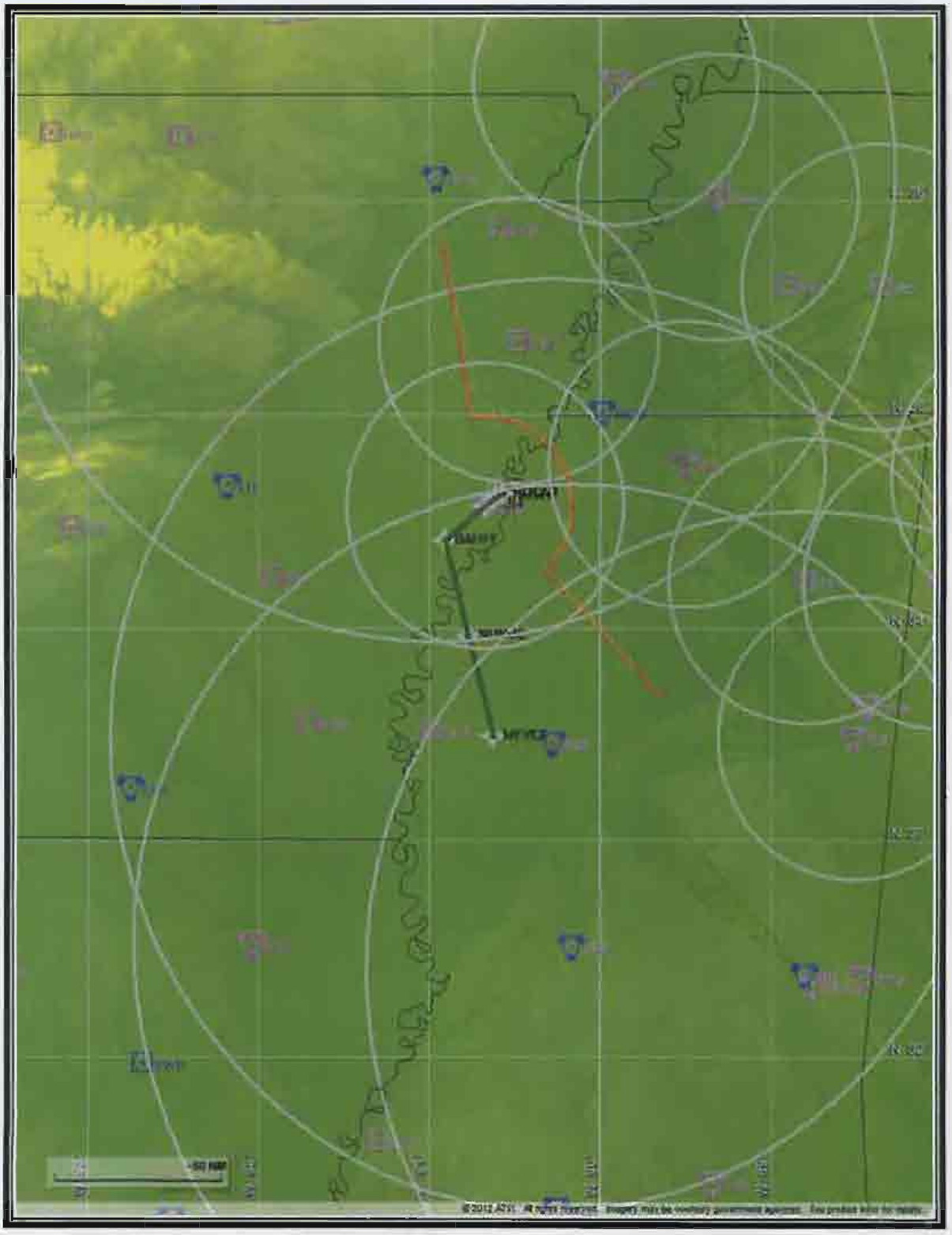


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
MEVEE	WP	N 33° 29' 37.86" W 90° 37' 33.26"	18000.0	Step	300.0	Fly By	TF
NUNBE	WP	N 33° 57' 48.39" W 90° 46' 2.14"	18000.0	Step	290.0	Fly By	TF
BARFF	WP	N 34° 24' 41.53" W 90° 54' 13.17"	10000.0	Step	250.0	Fly By	TF
UJM	WP	N 34° 34' 30.16" W 90° 40' 27.84"	7000.0	Step	210.0	Fly By	TF
TAMMY	WP	N 34° 37' 3.07" W 90° 36' 30.07"	7000.0	Step	210.0	Fly By	TF
ROCAB	WP	N 34° 37' 46.04" W 90° 34' 14.27"	7000.0	Step	180.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival/Approach **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Table: **200.0 Kts** up to **11000.0 Ft.** **240.0 Kts** up to **18000.0 Ft.** **260.0 Kts** up to **24000.0 Ft.** **340.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
Entire track is fly-able	

DME/DME

Return To Summary

Settings:

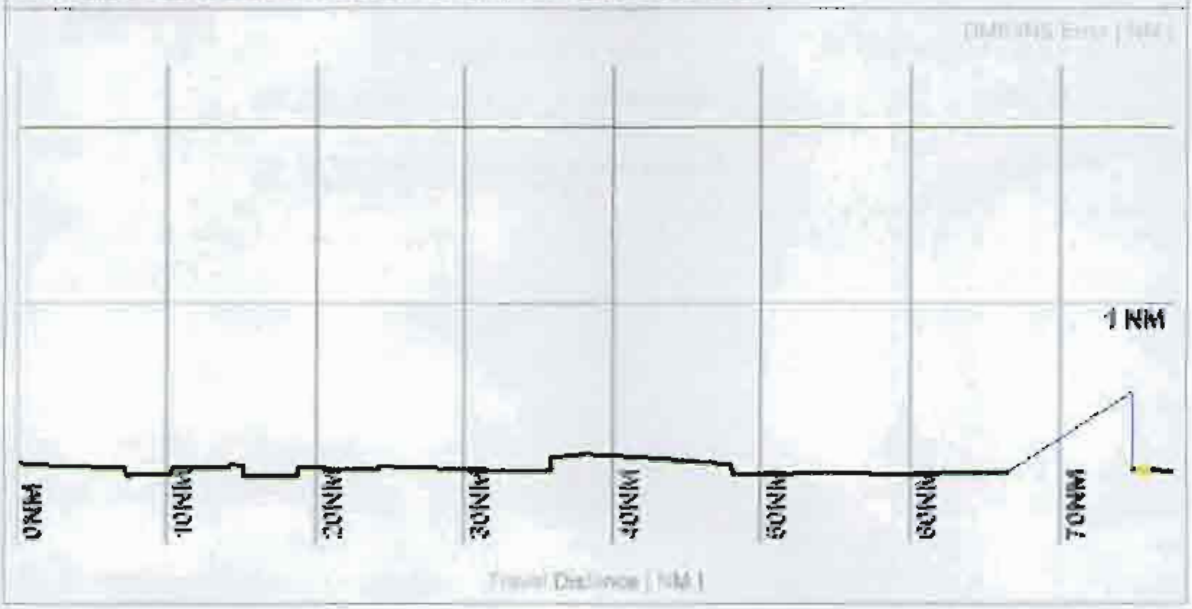
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 7

Maximum DME Error: 0.630 NM.

No Critical DMEs were found.

Available DMEs: SQS, JAN, GLH, MEM, LIT, UJM, HLI, GQE



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	SQS	N 33° 27' 49.90" W 90° 16' 38.40"	H + ESV	User	NO	1.487	Enabled	63.5 %	62.0 %
2	MEM	N 35° 0' 54.42" W 89° 58' 59.55"	H	Database	NO	0.673	Enabled	26.6 %	29.6 %
3	JAN	N 32° 30' 26.95" W 90° 10' 3.34"	H + ESV	User	NO	0.630	Enabled	3.5 %	4.0 %
4	GLH	N 33° 31' 24.70" W 90° 58' 58.50"	L	Database	NO	0.630	Enabled	17.7 %	20.0 %
5	LIT	N 34° 40' 39.62" W 92° 10' 49.90"	H	Database	NO	0.630	Enabled	20.9 %	23.3 %
6	UJM	N 34° 34' 30.16" W 90° 40' 27.84"	L + ESV	User	NO	0.796	Enabled	26.9 %	25.0 %
7	HLI	N 34° 46' 12.95" W 89° 29' 47.39"	L + ESV	User	NO	0.630	Enabled	16.6 %	14.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	SQS	MEM	GLH	JAN	LIT	UJM
29.0	SQS	MEM	GLH	UJM	LIT	JAN
40.2	SQS	UJM	HLI			
55.7	SQS	UJM	HLI	GQE		
71.4	SQS	UJM	MEM	GQE		
75.2	SQS	UJM	MEM	GQE		

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 31' 15.71" W 90° 45' 1.32"	N 34° 36' 32.44" W 90° 37' 17.76"	8.3
VOR: UJM	Available from N 34° 31' 15.71" W 90° 45' 1.32" to N 34° 36' 32.44" W 90° 37' 17.76"		
VOR: MEM	Available from N 34° 36' 26.29" W 90° 37' 27.32" to N 34° 36' 32.44" W 90° 37' 17.76"		

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	SQS	N 33° 27' 49.90" W 90° 16' 38.40"	H	125.0	114.70	SQS	Used
		ESV:	Bearing [True]: 303.0° to 350.0° Bearing [Mag]: 300.0° to 347.0°		Arc Distance: Out to 77.0 NM Altitude: 6500.0 to 23000.0 Ft.		
2	GQE	N 35° 20' 49.31" W 90° 28' 41.37"	L	211.0	113.00	GQE	Not Used
		ESV:	Bearing [True]: 110.0° to 200.0° Bearing [Mag]: 106.0° to 196.0°		Arc Distance: Out to 62.0 NM Altitude: 3200.0 to 19000.0 Ft.		
3	HLI	N 34° 46' 12.95" W 89° 29' 47.39"	L	630.0	112.40	HLI	Used
		ESV:	Bearing [True]: 246.0° to 288.0° Bearing [Mag]: 243.0° to 285.0°		Arc Distance: Out to 96.0 NM Altitude: 8500.0 to 19000.0 Ft.		
		ESV:	Bearing [True]: 324.0° to 340.0° Bearing [Mag]: 321.0° to 337.0°		Arc Distance: Out to 75.0 NM Altitude: 7500.0 to 19000.0 Ft.		
		ESV:	Bearing [True]: 290.0° to 328.0° Bearing [Mag]: 287.0° to 325.0°		Arc Distance: Out to 51.0 NM Altitude: 2500.0 to 18000.0 Ft.		
4	OTB	N 34° 13' 25.88" W 88° 47' 50.44"	L	363.7	109.80	OTB	Not Used
		ESV:	Bearing [True]: 291.0° to 298.0° Bearing [Mag]: 287.0° to 294.0°		Arc Distance: Out to 71.0 NM Altitude: 3200.0 to 15000.0 Ft.		
		ESV:	Bearing [True]: 345.0° to 37.0° Bearing [Mag]: 341.0° to 33.0°		Arc Distance: Out to 64.0 NM Altitude: 10000.0 to 12000.0 Ft.		
		ESV:	Bearing [True]: 312.0° to 11.0° Bearing [Mag]: 308.0° to 7.0°		Arc Distance: Out to 62.0 NM Altitude: 3500.0 to 12000.0 Ft.		
5	DYR	N 36° 1' 6.76" W 89° 19' 3.69"	L	388.7	116.80	DYR	Not Used
		ESV:	Bearing [True]: 220.0° to 303.0° Bearing [Mag]: 217.0° to 300.0°		Arc Distance: Out to 58.0 NM Altitude: 4200.0 to 23000.0 Ft.		
		ESV:	Bearing [True]: 223.0° to 245.0° Bearing [Mag]: 220.0° to 242.0°		Arc Distance: Out to 79.0 NM Altitude: 5000.0 to 21000.0 Ft.		
		ESV:	Bearing [True]: 188.0° to 201.0° Bearing [Mag]: 185.0° to 198.0°		Arc Distance: Out to 62.0 NM Altitude: 3200.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 180.0° to 210.0° Bearing [Mag]: 177.0° to 207.0°		Arc Distance: Out to 72.0 NM Altitude: 4500.0 to 16000.0 Ft.		
6	ARG	N 36° 6' 35.95" W 90° 57' 13.23"	H	260.0	114.50	ARG	Not Used
		ESV:	Bearing [True]: 115.0° to 168.0° Bearing [Mag]: 111.0° to 164.0°		Arc Distance: Out to 69.0 NM Altitude: 4500.0 to 19000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
7	UJM	N 34° 34' 30.16" W 90° 40' 27.84"	L	240.8	109.60	UJM	Used
		Restriction:	Bearing [True]: 351.0° to 136.0° Bearing [Mag]: 350.0° to 135.0°		Distance: Beyond 25.0 NM Altitude: Below 2800.0 Ft.		
		ESV:	Bearing [True]: 15.0° to 90.0° Bearing [Mag]: 14.0° to 89.0°		Arc Distance: Out to 60.0 NM Altitude: 3500.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 50.0° to 70.0° Bearing [Mag]: 49.0° to 69.0°		Arc Distance: Out to 59.0 NM Altitude: 3000.0 to 17000.0 Ft.		
8	JAN	N 32° 30' 26.95" W 90° 10' 3.34"	H	360.0	112.60	JAN	Used
		ESV:	Bearing [True]: 348.0° to 6.0° Bearing [Mag]: 343.0° to 1.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 24000.0 Ft.		
9	IGB	N 33° 29' 7.75" W 88° 30' 48.93"	L	240.1	116.20	IGB	Not Used
		ESV:	Bearing [True]: 265.0° to 301.0° Bearing [Mag]: 261.0° to 297.0°		Arc Distance: Out to 96.0 NM Altitude: 8500.0 to 23000.0 Ft.		
		ESV:	Bearing [True]: 260.0° to 319.0° Bearing [Mag]: 256.0° to 315.0°		Arc Distance: Out to 98.0 NM Altitude: 8500.0 to 23000.0 Ft.		
10	MEI	N 32° 22' 42.43" W 88° 48' 15.31"	H	578.1	117.00	MEI	Not Used
		ESV:	Bearing [True]: 305.0° to 318.0° Bearing [Mag]: 300.0° to 313.0°		Arc Distance: Out to 109.0 NM Altitude: 12000.0 to 25000.0 Ft.		
11	HAB	N 34° 11' 55.57" W 88° 0' 41.83"	L	802.1	110.40	HAB	Not Used
		ESV:	Bearing [True]: 315.0° to 358.0° Bearing [Mag]: 313.0° to 356.0°		Arc Distance: Out to 73.0 NM Altitude: 10000.0 to 15000.0 Ft.		
12	MSL	N 34° 42' 24.68" W 87° 29' 29.70"	L	579.7	116.50	MSL	Not Used
		Restriction:	Bearing [True]: 47.0° to 85.0° Bearing [Mag]: 46.0° to 84.0°		Distance: Beyond 25.0 NM Altitude: Below 2000.0 Ft.		
		ESV:	Bearing [True]: 236.0° to 281.0° Bearing [Mag]: 235.0° to 280.0°		Arc Distance: Out to 90.0 NM Altitude: 7500.0 to 21000.0 Ft.		
		ESV:	Bearing [True]: 296.0° to 350.0° Bearing [Mag]: 295.0° to 349.0°		Arc Distance: Out to 82.0 NM Altitude: 12000.0 to 21000.0 Ft.		
13	JKS	N 35° 35' 56.36" W 88° 21' 31.96"	L	630.0	109.40	JKS	Not Used
		ESV:	Bearing [True]: 236.0° to 245.0° Bearing [Mag]: 234.0° to 243.0°		Arc Distance: Out to 73.0 NM Altitude: 4800.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 176.0° to 235.0° Bearing [Mag]: 174.0° to 233.0°		Arc Distance: Out to 84.0 NM Altitude: 6200.0 to 19000.0 Ft.		

DME/DME (Continued.)

Return To Summary

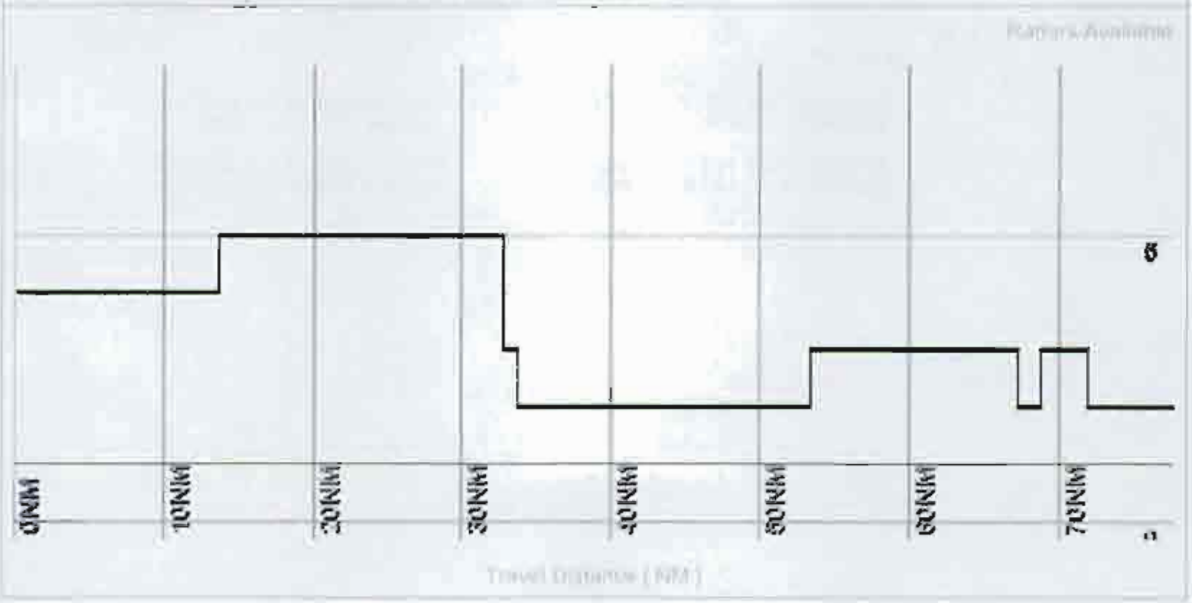
User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
14	MAW	N 36° 33' 18.41" W 89° 54' 41.12"	L	280.0	111.20	MAW	Not Used
		ESV:	Bearing [True]: 187.0° to 207.0° Bearing [Mag]: 184.0° to 204.0°		Arc Distance: Out to 86.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 146.0° to 183.0° Bearing [Mag]: 143.0° to 180.0°		Arc Distance: Out to 59.0 NM Altitude: 7000.0 to 23000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR



Name:	MILLERJ
Project Name:	MEM TAMMY4 TXK FAYEE 20120125
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	1/25/2012 9:38:52 AM
Input File:	KMEM TAMMY4 TXK FAYE.
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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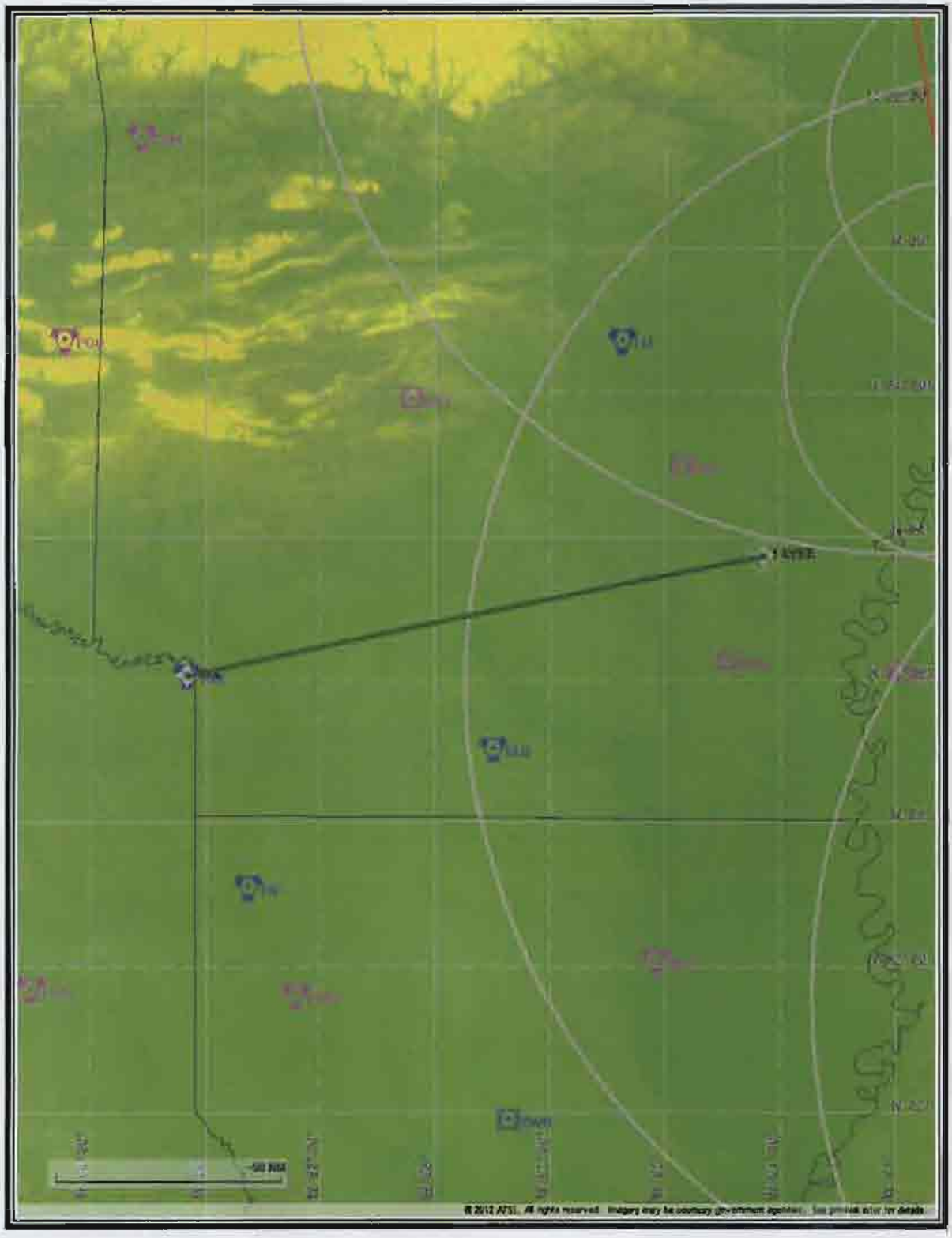

FAYEE
50 NM

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
TXK	WP	N 33° 30' 49.97" W 94° 4' 23.67"	23000.0	Step	300.0	Fly By	TF
FAYEE	WP	N 33° 55' 46.73" W 91° 34' 14.73"	18000.0	Step	250.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: EnRoute
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:

Table:

200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Entire track is fly-able

DME/DME

Return To Summary

Settings:

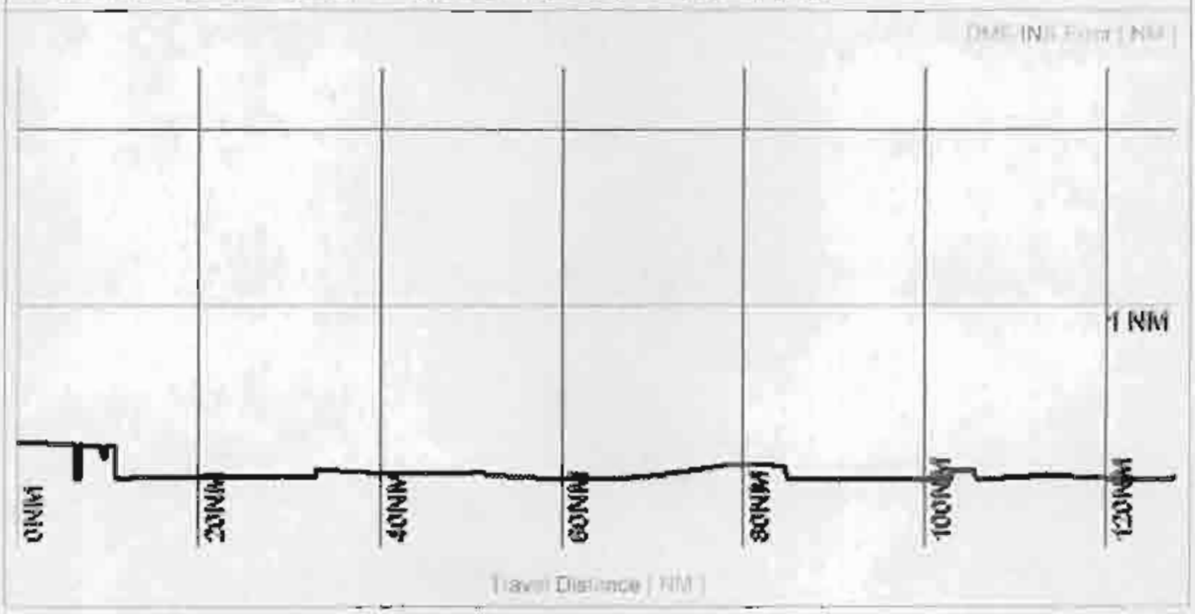
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 9

Maximum DME Error: 0.436 NM.

No Critical DMEs were found.

Available DMEs: BYP, EIC, ELD, LIT, SWB, TXK, PBF, MON, SQS



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	LIT	N 34° 40' 39.62" W 92° 10' 49.90"	H	Database	NO	0.389	Enabled	33.9 %	33.8 %
2	SWB	N 31° 58' 23.50" W 92° 40' 37.52"	H	Database	NO	0.370	Enabled	7.6 %	7.5 %
3	EIC	N 32° 46' 16.91" W 93° 48' 35.75"	H	Database	NO	0.719	Enabled	18.1 %	18.1 %
4	TXK	N 33° 30' 49.97" W 94° 4' 23.67"	H	Database	NO	0.782	Enabled	31.8 %	31.8 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	Database	NO	0.436	Enabled	0.3 %	0.3 %
6	ELD	N 33° 15' 22.15" W 92° 44' 38.21"	H	Database	NO	0.436	Enabled	76.0 %	76.1 %
7	MON	N 33° 33' 43.40" W 91° 42' 56.46"	L	Database	NO	0.436	Enabled	20.5 %	20.5 %
8	PBF	N 34° 14' 48.33" W 91° 55' 34.23"	L	Database	NO	0.436	Enabled	9.8 %	9.8 %
9	SQS	N 33° 27' 49.90" W 90° 16' 38.40"	H + ESV	User	NO	0.436	Enabled	2.0 %	2.0 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	EIC	TXK	LIT	SWB	BYP	ELD
12.0	EIC	TXK	LIT	ELD		
83.3	MON	TXK	LIT	ELD	PBF	EIC
100.0	MON	SQS	LIT	ELD	PBF	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	SQS	N 33° 27' 49.90" W 90° 16' 38.40"	H	125.0	114.70	SQS	Used
		ESV: Bearing [True]: 303.0° to 350.0° Bearing [Mag]: 300.0° to 347.0°			Arc Distance: Out to 77.0 NM Altitude: 6500.0 to 23000.0 Ft.		
2	GQE	N 35° 20' 49.31" W 90° 28' 41.37"	L	211.0	113.00	GQE	Not Used
		ESV: Bearing [True]: 110.0° to 200.0° Bearing [Mag]: 106.0° to 196.0°			Arc Distance: Out to 62.0 NM Altitude: 3200.0 to 19000.0 Ft.		
3	HLI	N 34° 46' 12.95" W 89° 29' 47.39"	L	630.0	112.40	HLI	Not Used
		ESV: Bearing [True]: 246.0° to 288.0° Bearing [Mag]: 243.0° to 285.0°			Arc Distance: Out to 96.0 NM Altitude: 8500.0 to 19000.0 Ft.		
		ESV: Bearing [True]: 324.0° to 340.0° Bearing [Mag]: 321.0° to 337.0°			Arc Distance: Out to 75.0 NM Altitude: 7500.0 to 19000.0 Ft.		
		ESV: Bearing [True]: 290.0° to 328.0° Bearing [Mag]: 287.0° to 325.0°			Arc Distance: Out to 51.0 NM Altitude: 2500.0 to 18000.0 Ft.		
4	OTB	N 34° 13' 25.88" W 88° 47' 50.44"	L	363.7	109.80	OTB	Not Used
		ESV: Bearing [True]: 291.0° to 298.0° Bearing [Mag]: 287.0° to 294.0°			Arc Distance: Out to 71.0 NM Altitude: 3200.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 345.0° to 37.0° Bearing [Mag]: 341.0° to 33.0°			Arc Distance: Out to 64.0 NM Altitude: 10000.0 to 12000.0 Ft.		
		ESV: Bearing [True]: 312.0° to 11.0° Bearing [Mag]: 308.0° to 7.0°			Arc Distance: Out to 62.0 NM Altitude: 3500.0 to 12000.0 Ft.		
5	DYR	N 36° 1' 6.78" W 89° 19' 3.69"	L	388.7	116.80	DYR	Not Used
		ESV: Bearing [True]: 220.0° to 303.0° Bearing [Mag]: 217.0° to 300.0°			Arc Distance: Out to 58.0 NM Altitude: 4200.0 to 23000.0 Ft.		
		ESV: Bearing [True]: 223.0° to 245.0° Bearing [Mag]: 220.0° to 242.0°			Arc Distance: Out to 79.0 NM Altitude: 5000.0 to 21000.0 Ft.		
		ESV: Bearing [True]: 188.0° to 201.0° Bearing [Mag]: 185.0° to 198.0°			Arc Distance: Out to 62.0 NM Altitude: 3200.0 to 18000.0 Ft.		
		ESV: Bearing [True]: 180.0° to 210.0° Bearing [Mag]: 177.0° to 207.0°			Arc Distance: Out to 72.0 NM Altitude: 4500.0 to 16000.0 Ft.		
6	ARG	N 36° 6' 35.95" W 90° 57' 13.23"	H	260.0	114.50	ARG	Not Used
		ESV: Bearing [True]: 115.0° to 168.0° Bearing [Mag]: 111.0° to 164.0°			Arc Distance: Out to 69.0 NM Altitude: 4500.0 to 19000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
7	UJM	N 34° 34' 30.16" W 90° 40' 27.84"	L	240.8	109.60	UJM	Not Used
		Restriction:	Bearing [True]: 351.0° to 136.0° Bearing [Mag]: 350.0° to 135.0°		Distance: Beyond 25.0 NM Altitude: Below 2800.0 Ft.		
		ESV:	Bearing [True]: 15.0° to 90.0° Bearing [Mag]: 14.0° to 89.0°		Arc Distance: Out to 60.0 NM Altitude: 3500.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 50.0° to 70.0° Bearing [Mag]: 49.0° to 69.0°		Arc Distance: Out to 59.0 NM Altitude: 3000.0 to 17000.0 Ft.		
8	IGB	N 33° 29' 7.75" W 88° 30' 48.93"	L	240.1	116.20	IGB	Not Used
		ESV:	Bearing [True]: 265.0° to 301.0° Bearing [Mag]: 261.0° to 297.0°		Arc Distance: Out to 96.0 NM Altitude: 8500.0 to 23000.0 Ft.		
		ESV:	Bearing [True]: 260.0° to 319.0° Bearing [Mag]: 256.0° to 315.0°		Arc Distance: Out to 98.0 NM Altitude: 8500.0 to 23000.0 Ft.		
9	MEI	N 32° 22' 42.43" W 88° 48' 15.31"	H	578.1	117.00	MEI	Not Used
		ESV:	Bearing [True]: 305.0° to 318.0° Bearing [Mag]: 300.0° to 313.0°		Arc Distance: Out to 109.0 NM Altitude: 12000.0 to 25000.0 Ft.		
10	HAB	N 34° 11' 55.57" W 88° 0' 41.83"	L	802.1	110.40	HAB	Not Used
		ESV:	Bearing [True]: 315.0° to 358.0° Bearing [Mag]: 313.0° to 356.0°		Arc Distance: Out to 73.0 NM Altitude: 10000.0 to 15000.0 Ft.		
11	MSL	N 34° 42' 24.68" W 87° 29' 29.70"	L	579.7	116.50	MSL	Not Used
		Restriction:	Bearing [True]: 47.0° to 85.0° Bearing [Mag]: 46.0° to 84.0°		Distance: Beyond 25.0 NM Altitude: Below 2000.0 Ft.		
		ESV:	Bearing [True]: 236.0° to 281.0° Bearing [Mag]: 235.0° to 280.0°		Arc Distance: Out to 90.0 NM Altitude: 7500.0 to 21000.0 Ft.		
		ESV:	Bearing [True]: 296.0° to 350.0° Bearing [Mag]: 295.0° to 349.0°		Arc Distance: Out to 82.0 NM Altitude: 12000.0 to 21000.0 Ft.		
12	JKS	N 35° 35' 56.36" W 88° 21' 31.96"	L	630.0	109.40	JKS	Not Used
		ESV:	Bearing [True]: 236.0° to 245.0° Bearing [Mag]: 234.0° to 243.0°		Arc Distance: Out to 73.0 NM Altitude: 4800.0 to 18000.0 Ft.		
		ESV:	Bearing [True]: 176.0° to 235.0° Bearing [Mag]: 174.0° to 233.0°		Arc Distance: Out to 84.0 NM Altitude: 6200.0 to 19000.0 Ft.		

DME/DME (Continued.)

Return To Summary

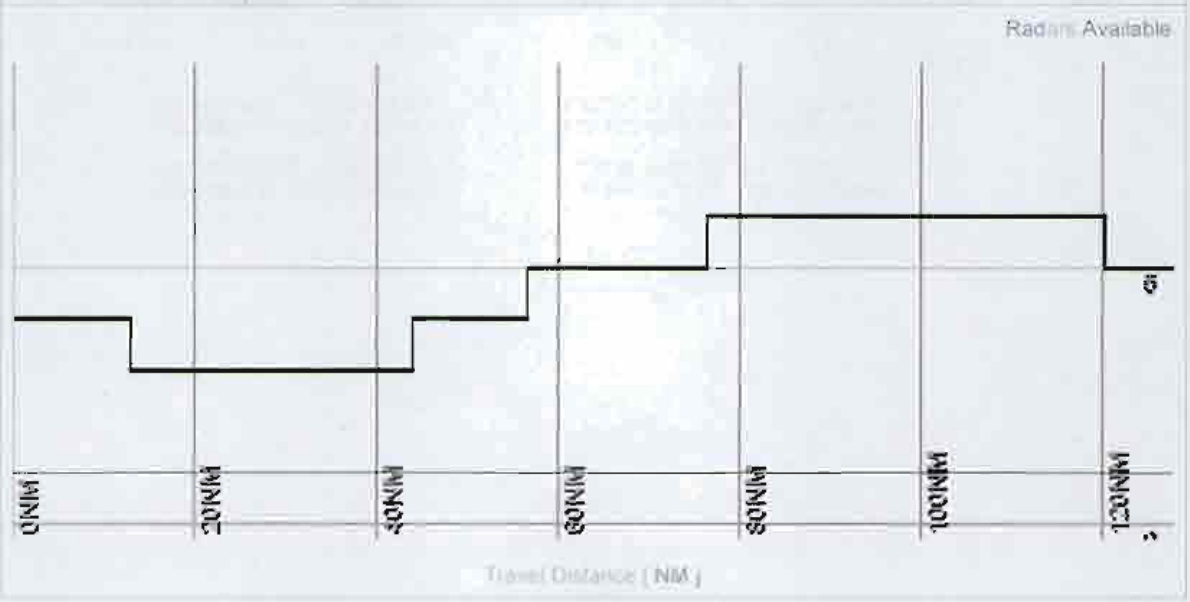
User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
13	MAW	N 36° 33' 18.41" W 89° 54' 41.12"	L	280.0	111.20	MAW	Not Used
		ESV:	Bearing [True]: 187.0° to 207.0° Bearing [Mag]: 184.0° to 204.0°		Arc Distance: Out to 86.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 146.0° to 183.0° Bearing [Mag]: 143.0° to 180.0°		Arc Distance: Out to 59.0 NM Altitude: 7000.0 to 23000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR



IAP	NDB RWY 16	1		KM18	HOPE	AR (US)
IAP	ILS OR LOC RWY 22	1		KTXK	TEXARKANA	AR (US)
IAP	LOC BC RWY 4	1		KTXK	TEXARKANA	AR (US)
IAP	RNAV (GPS) RWY 13	1		KTXK	TEXARKANA	AR (US)
IAP	RNAV (GPS) RWY 31	1		KTXK	TEXARKANA	AR (US)
IAP	VOR RWY 13	1	1	KTXK	TEXARKANA	AR (US)
IAP	NDB RWY 5	1		KATA	ATLANTA	TX (US)
OTHER	PITCH/CATCH POINT	1		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MARVELL	1		KMEM	MEMPHIS	TN (US)
STAR	TAMMY (RNAV)	1		KMEM	MEMPHIS	TN (US)
STAR	SASIE			KGKY	ARLINGTON	TX (US)
STAR	FINGR			KADS	DALLAS	TX (US)
STAR	FINGR	1		KDAL	DALLAS	TX (US)
STAR	FINGR			KRBD	DALLAS	TX (US)
STAR	BONHAM	1		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	WILBR	1		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	SASIE			KDTO	DENTON	TX (US)
STAR	SASIE	1		KAFW	FORT WORTH	TX (US)
STAR	SASIE			KFTW	FORT WORTH	TX (US)
STAR	SASIE			KFWS	FORT WORTH	TX (US)
STAR	SASIE			KNFW	FORT WORTH	TX (US)
STAR	SASIE			KGPM	GRAND PRAIRIE	TX (US)
STAR	FINGR			KLNC	LANCASTER	TX (US)
STAR	FINGR			KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 01/15/2009

REASON FOR REVISION:
FIX USE UPDATE.
UPDATED HOLDING PATTERN 1 AND PATTERN 2 CONTROLLING OBSTACLE DATA.

DEVELOPED BY: **DATE:** 07/16/2008 **OFFICE:** AVN-120 **NAME:** JOHNNIE BAKER

APPROVED BY: **DATE:** 11/03/2008 **OFFICE:** AVN-120 **NAME:** JOHN BICKERSTAFF

SIGNATURE:

DISTRIBUTION: **NFDC**
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