Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: STAR	Date Open: 03/26/2012	Task #: 2012032623347902003	Request #: 20120326233479
Procedure: STAR KOLTT (RNAV) ONE ATLANTA GA KATL		Airport ID: KATL	Airport: HARTSFIELD - JACKSON ATLANTA INTL		Reimbursable #:
City: ATLANTA	ST: GA	GPS #:		Estimated Chart Date: 05/02/2013	FICO #:
Fac ID:	Fac. Type: Proc D	Specialist: PETER GUIMOND			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	10/10/2012	12/11/2012	MARLON ROBINSON	
QA:	12/11/2012	01/02/2013	CASIMIR TABAKA	
Liaison:	01/02/2013		Spurlin	DME/DME

P1

DME / DME

ESV REQUEST INCLUDED

pkg 4 of 7

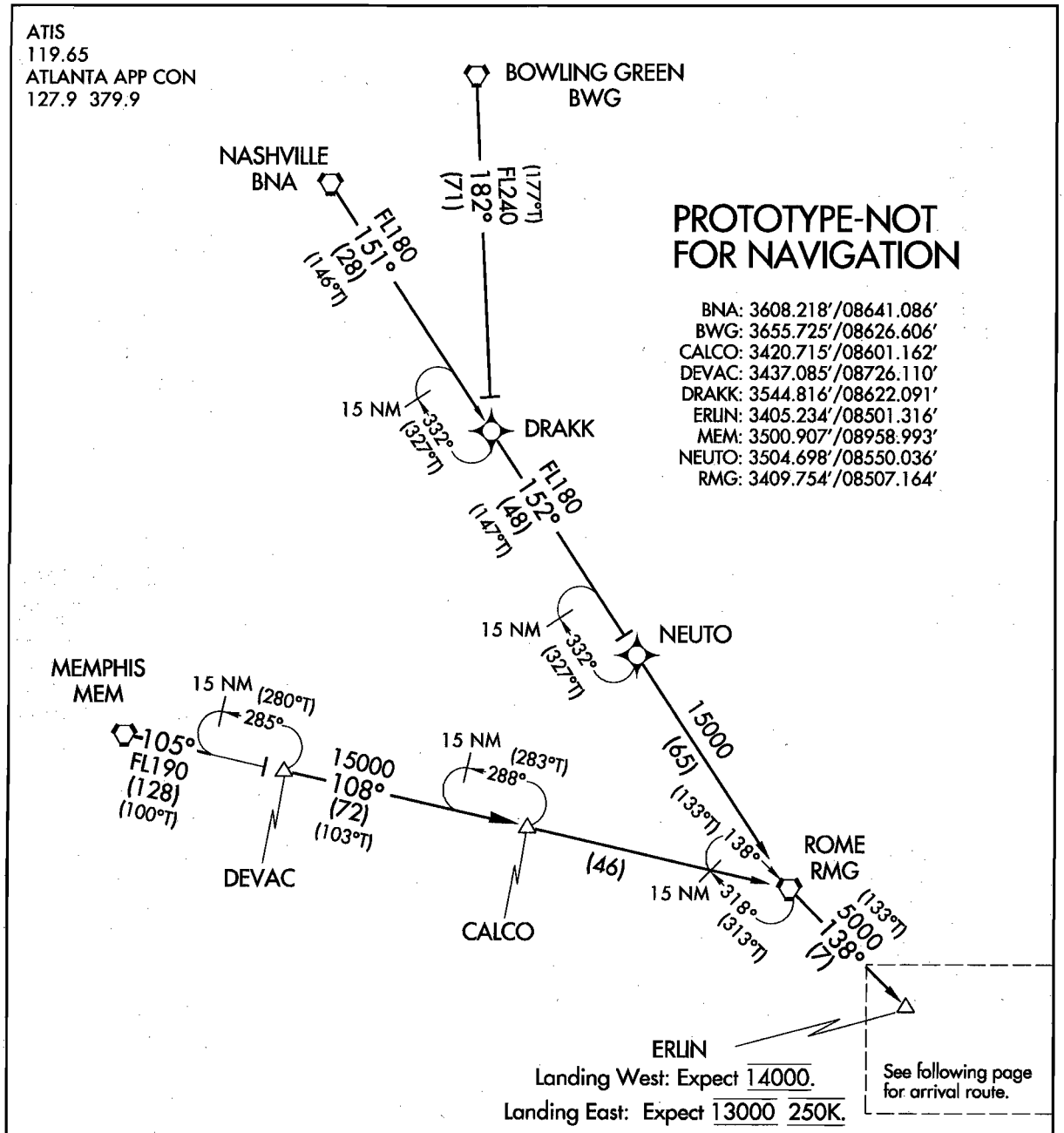
Procedure Comments: ENROUTE **Remark Type:** INFORMATION

ATLANTA, GA HARTSFIELD - JACKSON ATLANTA INTL (KATL) KOLTT ONE (RNAV) (STAR) ENROUTE-YES FC: 3.5.13 PUB: 5.2.13

ATTACHED FORMS: ESV REPORTS; 7100-4; 7100-3; 8260-2(S): AAKAY-INT, ORIG; ALLEI, ORIG; ANDIY-INT, ORIG; CALCO-INT, REV 11; DEVAC-INT, REV 10; DFINS-INT, ORIG; EAGYL, ORIG; KEAVY, ORIG; KLOWD, ORIG; KOLTT, ORIG; KRRIS, ORIG; KYMMY, ORIG; NAVVY, ORIG; NEUTO-INT, REV 11; POORS, ORIG; RAIIN, ORIG; RYENN-INT, ORIG; SHURT, ORIG; STRMM, ORIG; SWETE, ORIG; TAAMY, ORIG; TOMKT, ORIG; TUNDR, ORIG; (INFO ONLY) BOWLING GREEN (BWG) VTAC, REV 9; DRAKK-INT, REV 9; ERLIN-INT, REV 7; MEMPHIS (MEM) VTAC, REV 9; NASHVILLE (BNA) VTAC, REV 18; ROME (RMG) VTAC, REV 21.
CONTACT: DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036 / 405.954.3636.

KOLTT ONE ARRIVAL (RNAV) Transition Routes

ATLANTA, GEORGIA



NOTE: This STAR applicable to Turbojet aircraft only.
NOTE: DME/DME/IRU or GPS Required.
NOTE: RNAV 1.
NOTE: Radar Required.

NOTE: Chart not to scale.

BOWLING GREEN TRANSITION (BWG.KOLTT1):
MEMPHIS TRANSITION (MEM.KOLTT1):
NASHVILLE TRANSITION (BNA.KOLTT1):

KOLTT ONE ARRIVAL (RNAV) Arrival Routes
(RMG.KOLTT1) FIG
HARTSFIELD-JACKSON ATLANTA INTL (ATL)
ATLANTA, GEORGIA

From over RMG VORTAC on track 138° to ERLIN, then on track 138° to KOLTT, then on assigned runway transition.

Landing East Rwy 8L/8R: From over KOLTT on track 138° to TUNDR, then on track 183° to STRMM, then on track 183°, expect radar vectors to final approach course.

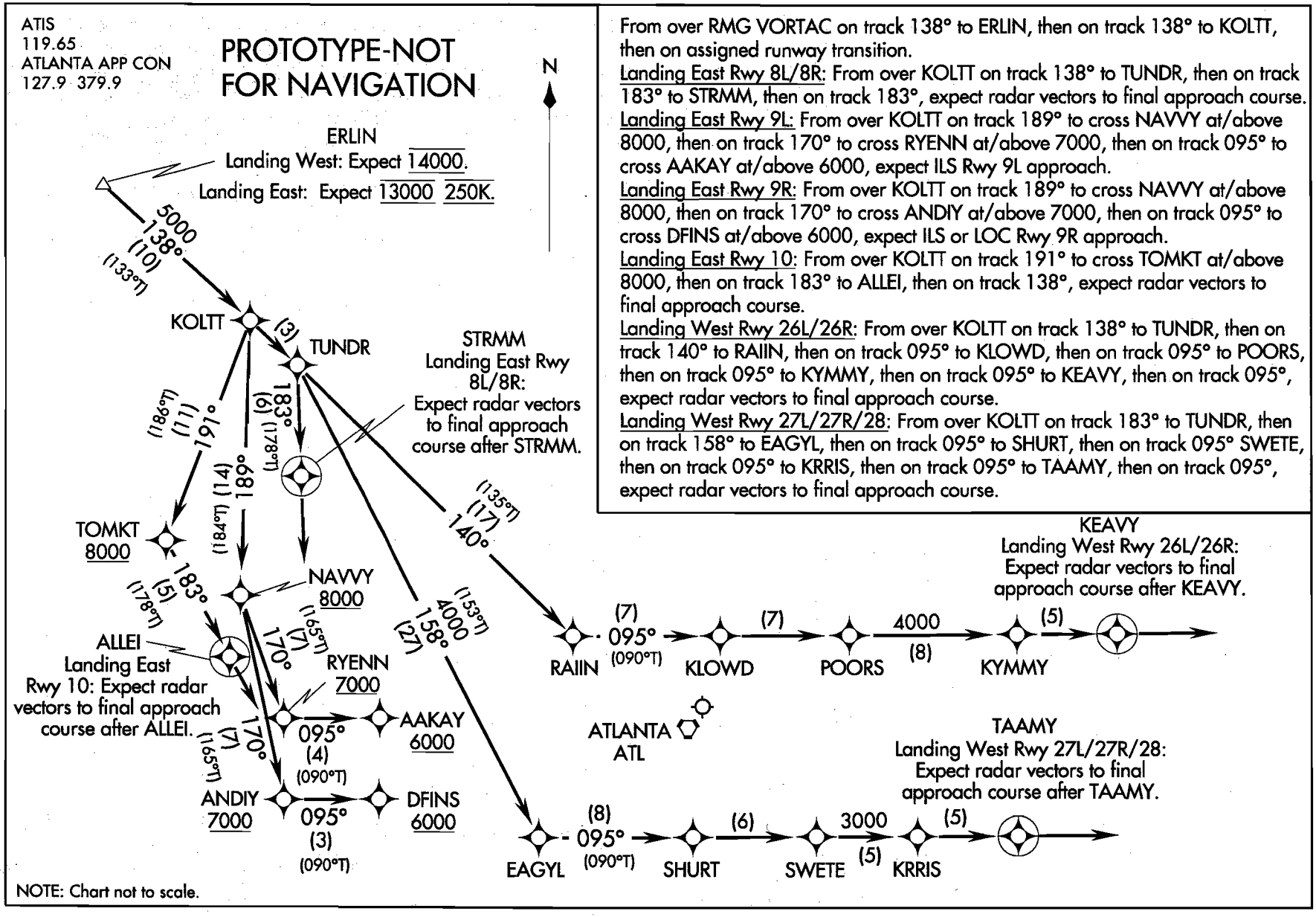
Landing East Rwy 9L: From over KOLTT on track 189° to cross NAVVY at/above 8000, then on track 170° to cross RYENN at/above 7000, then on track 095° to cross AAKAY at/above 6000, expect ILS Rwy 9L approach.

Landing East Rwy 9R: From over KOLTT on track 189° to cross NAVVY at/above 8000, then on track 170° to cross ANDIY at/above 7000, then on track 095° to cross DFINS at/above 6000, expect ILS or LOC Rwy 9R approach.

Landing East Rwy 10: From over KOLTT on track 191° to cross TOMKT at/above 8000, then on track 183° to ALLEI, then on track 138°, expect radar vectors to final approach course.

Landing West Rwy 26L/26R: From over KOLTT on track 138° to TUNDR, then on track 140° to RAIIN, then on track 095° to KLOWD, then on track 095° to POORS, then on track 095° to KYMMY, then on track 095° to KEAVY, then on track 095°, expect radar vectors to final approach course.

Landing West Rwy 27L/27R/28: From over KOLTT on track 183° to TUNDR, then on track 158° to EAGYL, then on track 095° to SHURT, then on track 095° SWETE, then on track 095° to KRRIS, then on track 095° to TAAMY, then on track 095°, expect radar vectors to final approach course.



AAKAY: 3338.050′/08447.598′
ALLEI: 3342.346′/08453.753′
ANDIY: 3337.856′/08451.777′
DFINS: 3337.871′/08447.633′
EAGYL: 3332.208′/08435.075′
ERLIN: 3405.234′/08501.316′
KEAVY: 3343.991′/08402.333′
KLOWD: 3343.977′/08426.076′
KOLTT: 3358.395′/08452.522′
KRRIS: 3332.218′/08412.416′
KYMMY: 3343.985′/08408.328′
NAAVY: 3344.351′/08453.838′
POORS: 3343.976′/08418.331′
RAIIN: 3343.977′/08434.895′
RYENN: 3338.037′/08451.790′
SHURT: 3332.211′/08425.829′
STRMM: 3350.514′/08449.411′
SWETE: 3332.214′/08418.452′
TAAMY: 3332.222′/08406.434′
TOMKT: 3347.355′/08453.963′
TUNDR: 3356.152′/08449.647′

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : LAGRANGE	City : LAGRANGE	Ident : LGC	State : GA
Type/Class : TACR	Frequency : M1190	Reference No.: 10028865	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 758915-015	342	69	77	40	180

Requirement: ESTABLISH ESV FOR ATL ERLIN 6 STAR

Signature: Osterhage Dennis	Routing Symbol: AJV-E2	Date: 02/01/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 758915-015	342	69	77	40	180	APPROVE

Requirement/Remarks: ESTABLISH ESV FOR ATL ERLIN 6 STARApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 02/01/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 758915-015	342	69	77	40	180	APPROVE

Requirement/Remarks: ESTABLISH ESV FOR ATL ERLIN 6 STARApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 02/01/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 758915-015	342	69				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CHOO CHOO	City : CHATTANOOGA	Ident : GQO	State : GA
Type/Class : TACR	Frequency : M1192	Reference No.: 10092703	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 110610-017	160	270	67	65	180

Requirement: ESTABLISH ESV FOR ATL ERLIN RNAV STAR

Signature: Osterhage Dennis	Routing Symbol: AJV-E2	Date: 09/29/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 110610-017	160	270	67	65	180	APPROVE

Requirement/Remarks: ESTABLISH ESV FOR ATL ERLIN RNAV STARApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 10/04/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 110610-017	160	270	67	65	180	APPROVE

Requirement/Remarks: ESTABLISH ESV FOR ATL ERLIN RNAV STARApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 10/13/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 110610-017	160	270				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CHOO CHOO	City : CHATTANOOGA	Ident : GQO	State : GA
Type/Class : TACR	Frequency : M1192	Reference No.: 10049668	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 110610-010	243	313	110	110	240

Requirement: ELIMINATE CRITICAL DME ON HERKO3

Signature: Cook David	Routing Symbol:	Date: 04/22/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 110610-010	243	313	110	110	240	APPROVE

Requirement/Remarks: ELIMINATE CRITICAL DME ON HERKO3Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 04/23/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 110610-010	243	313	110	110	240	APPROVE

Requirement/Remarks: ELIMINATE CRITICAL DME ON HERKO3Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 04/26/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 110610-010	243	313				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : VULCAN	City : BIRMINGHAM	Ident : VUZ	State : AL
Type/Class : TACR	Frequency : M1178	Reference No.: 10061578	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701368-029	40	70	100	90	200

Requirement: SUPPORT ERLIN7 STAR AND VIKNN STAR AND ELIMINATE CRITICAL DME

Signature: Cook David	Routing Symbol:	Date: 06/18/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701368-029	40	70	100	90	200	APPROVE

Requirement/Remarks: SUPPORT ERLIN7 STAR AND VIKNN STAR AND ELIMINATE CRITICAL DMEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 06/21/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701368-029	40	70	100	90	200	APPROVE

Requirement/Remarks: SUPPORT ERLIN7 STAR AND VIKNN STAR AND ELIMINATE CRITICAL DMEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/28/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701368-029	40	70				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : MUSCLE SHOALS	City : MUSCLE SHOALS	Ident : MSL	State : AL
Type/Class : TACR	Frequency : M1199	Reference No.: 10061610	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704237-016	44	97	73	135	230

Requirement: ELIMINATE CRITICAL DME ON HERKO AND VIKNN STARS

Signature: Cook David	Routing Symbol:	Date: 06/28/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704237-016	44	97	73	135	230	APPROVE

Requirement/Remarks: ELIMINATE CRITICAL DME ON HERKO AND VIKNN STARSApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 06/28/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704237-016	44	97	73	135	230	APPROVE

Requirement/Remarks: ELIMINATE CRITICAL DME ON HERKO AND VIKNN STARSApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/29/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704237-016	44	97				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : LOUISVILLE	City : LOUISVILLE	Ident : IIU	State : KY
Type/Class : TACR	Frequency : M1182	Reference No.: 12052702	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704184-064	197	206	140	179	450

Requirement: ELIMINATE CRITICAL DME ON RPTOR, ERLIN, HERKO STARS

Signature: COOK DAVE	Routing Symbol:	Date: 05/17/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704184-064	197	206	140	179	450	APPROVE

Requirement/Remarks: ELIMINATE CRITICAL DME ON RPTOR, ERLIN, HERKO STARSAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 05/17/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704184-064	197	206	140	179	450	APPROVE

Requirement/Remarks: ELIMINATE CRITICAL DME ON RPTOR, ERLIN, HERKO STARSAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 05/21/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704184-064	197	206				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : BIGBEE	City : COLUMBUS	Ident : IGB	State : MS
Type/Class : TACR	Frequency : M1196	Reference No.: 10039225	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701377-007	343	1	85	180	240

Requirement: ESTABLISH ESV FOR ERLIN RNAV STAR

Signature: Osterhage Dennis	Routing Symbol: AJV-E2	Date: 03/11/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701377-007	343	1	85	180	240	APPROVE

Requirement/Remarks: ESTABLISH ESV FOR ERLIN RNAV STARApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 03/25/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701377-007	343	1	85	180	240	APPROVE

Requirement/Remarks: ESTABLISH ESV FOR ERLIN RNAV STARApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 03/29/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701377-007	343	1				

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.: 10061576	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704179-013	30	50	126	150	240

Requirement: SUPPORT ERLIN7 STAR AND VIKIN STAR TO ELIMINATE CRITICAL DME'S

Signature: Cook David	Routing Symbol:	Date: 06/18/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704179-013	30	50	126	150	240	APPROVE

Requirement/Remarks: SUPPORT ERLIN7 STAR AND VIKIN STAR TO ELIMINATE CRITICAL DME'SApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 06/22/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704179-013	30	50	126	150	240	APPROVE

Requirement/Remarks: SUPPORT ERLIN7 STAR AND VIKIN STAR TO ELIMINATE CRITICAL DME'SApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/28/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704179-013	30	50				

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.: 10071827	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701415-009	72	88	51	130	230

Requirement: ESTABLISH ESV FOR ERLIN STAR TO ELIMINATE CRITICAL DME

Signature: Osterhage Dennis	Routing Symbol: AJV-E2	Date: 07/12/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701415-009	72	88	51	130	230	APPROVE

Requirement/Remarks: ESTABLISH ESV FOR ERLIN STAR TO ELIMINATE CRITICAL DMEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 07/13/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701415-009	72	88	51	130	230	APPROVE

Requirement/Remarks: ESTABLISH ESV FOR ERLIN STAR TO ELIMINATE CRITICAL DMEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/13/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701415-009	72	88				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ATLANTA	City : ATLANTA	Ident : ATL	State : GA
Type/Class : TACR	Frequency : M1203	Reference No.: 10061577	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 758914-036	311	324	95	85	200

Requirement: SUPPORT ERLIN7 STAR AND ELIMINATE CRITICAL DME

Signature: Cook David	Routing Symbol:	Date: 06/18/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 758914-036	311	324	95	85	200	APPROVE

Requirement/Remarks: SUPPORT ERLIN7 STAR AND ELIMINATE CRITICAL DMEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 06/22/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 758914-036	311	324	95	85	200	APPROVE

Requirement/Remarks: SUPPORT ERLIN7 STAR AND ELIMINATE CRITICAL DMEApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/22/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 758914-036	311	324				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ROME	City : ROME	Ident : RMG	State : GA
Type/Class : H-VOR	Frequency : M115.4	Reference No.: 12111000	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 700511-025	326	0	66	145	157

Requirement: GRANDFATHERED: NEUTO ON ATL ROME STAR

Signature: Guimond Peter	Routing Symbol: AJV-352	Date: 11/01/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 700511-025	326	0	66	145	157	APPROVE

Requirement/Remarks: GRANDFATHERED: NEUTO ON ATL ROME STARAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 11/02/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 700511-025	326	0	66	145	157	APPROVE

Requirement/Remarks: GRANDFATHERED: NEUTO ON ATL ROME STARAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 11/05/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 700511-025	326	0				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ROME	City : ROME	Ident : RMG	State : GA
Type/Class : TACR	Frequency : M1188	Reference No.: 12111001	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 755481-052	326	0	66	145	157

Requirement: GRANDFATHERED: NEUTO ON ATL ROME STAR

Signature: Guimond Peter	Routing Symbol: AJV-352	Date: 11/01/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 755481-052	326	0	66	145	157	APPROVE

Requirement/Remarks: GRANDFATHERED: NEUTO ON ATL ROME STARAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Cassella Charles	Routing Symbol:	Date: 11/02/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 755481-052	326	0	66	145	157	APPROVE

Requirement/Remarks: GRANDFATHERED: NEUTO ON ATL ROME STARAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 11/05/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 755481-052	326	0				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ROME	City : ROME	Ident : RMG	State : GA
Type/Class : H-VOR	Frequency : M115.4	Reference No.: 12109682	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 700511-024	283	0	47	145	157

Requirement: GRANDFATHERED: SUPPORT CALCO ON ATL ROME STAR

Signature: Guimond Peter	Routing Symbol: AJV-352	Date: 10/30/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 700511-024	283	0	47	145	157	APPROVE

Requirement/Remarks: GRANDFATHERED: SUPPORT CALCO ON ATL ROME STARAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 10/30/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 700511-024	283	0	47	145	157	APPROVE

Requirement/Remarks: GRANDFATHERED: SUPPORT CALCO ON ATL ROME STARAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 10/30/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 700511-024	283	0				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ROME	City : ROME	Ident : RMG	State : GA
Type/Class : TACR	Frequency : M1188	Reference No.: 12109684	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 755481-051	283	0	47	145	157

Requirement: GRANDFATHERED: SUPPORT CALCO ON ATL ROME STAR

Signature: Guimond Peter	Routing Symbol: AJV-352	Date: 10/30/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 755481-051	283	0	47	145	157	APPROVE

Requirement/Remarks: GRANDFATHERED: SUPPORT CALCO ON ATL ROME STARAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 10/30/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 755481-051	283	0	47	145	157	APPROVE

Requirement/Remarks: GRANDFATHERED: SUPPORT CALCO ON ATL ROME STARAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 10/30/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 755481-051	283	0				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

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
NASHVILLE	BNA.KOLTT1	BNA VORTAC	DRAKK	151.48/28.00	FL180			
		DRAKK	NEUTO	151.66/47.86	FL180			
		NEUTO	RMG VORTAC	151.97/65.27	15000			
BOWLING GREEN	BWG.KOLTT1	BWG VORTAC	DRAKK	182.03/70.90	FL240			
		DRAKK	NEUTO	151.66/47.86	FL180			
		NEUTO	RMG VORTAC	151.97/65.27	15000			
MEMPHIS	MEM.KOLTT1	MEM VORTAC	DEVAC	104.97/128.10	FL190			
		DEVAC	CALCO	107.70/72.10	15000			
		CALCO	RMG VORTAC	108.48/46.08	15000			

(2) Arrival Route Description: FROM OVER RMG VORTAC ON TRACK 137.88/6.63 NM TO ERLIN (MEA 5000), THEN ON TRACK 138.00/10.00 NM TO KOLTT (MEA 5000), THEN ON ASSIGNED RUNWAY TRANSITION.

LANDING EAST RWY 8L/8R: FROM OVER KOLTT ON TRACK 138.09/3.28 NM TO TUNDR (MEA 5000), THEN ON TRACK 183.00/5.63 NM TO STRMM (MEA 5000), THEN ON TRACK 183.00, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING EAST RWY 9L: FROM OVER KOLTT ON TRACK 189.47/14.06 NM TO CROSS NAVVY AT/ABOVE 8000 (MEA 5000), THEN ON TRACK 169.82/6.53 NM TO CROSS RYENN AT/ABOVE 7000 (MEA 5000), THEN ON TRACK 094.76/3.50 NM TO CROSS AAKAY AT/ABOVE 6000 (MEA 5000), EXPECT ILS RWY 9L APPROACH.

(CONTINUED IN BLOCK 16)

(3) Procedural Data Notes:
NOTE: THIS STAR APPLICABLE TO TURBOJET AIRCRAFT ONLY. **NOTE:** DME/DME/IRU OR GPS REQUIRED. **NOTE:** RNAV 1. **NOTE:** RADAR REQUIRED. **NOTE:** LANDING WEST, EXPECT TO CROSS ERLIN AT 14000; LANDING EAST, EXPECT TO CROSS ERLIN AT 13000 AND AT 250 KIAS. **NOTE:** LANDING EAST RWY 8L/8R, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER STRMM. **NOTE:** LANDING EAST RWY 10, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER ALLEI. **NOTE:** LANDING WEST RWY 26L/26R, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER KEAVY. **NOTE:** LANDING WEST RWY 27L/27R/28, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER TAAMY. **CHART:** CROSS TOMKT AND NAVVY AT/ABOVE 8000; CROSS ANDIY AND RYENN AT/ABOVE 7000; CROSS AAKAY AND DFINS AT/ABOVE 6000.

(4) Fixes and/or Holding Patterns:
CHART: ATL VORTAC.
CHART HOLDING PATTERNS: CALCO (HOLD W, LT, 107.70 INBOUND, 15 NM LEGS); RMG VORTAC (HOLD NW, RT, 137.88 INBOUND, 15 NM LEGS); NEUTO (HOLD NW, RT, 151.66 INBOUND, 15 NM LEGS); DRAKK (HOLD NW, RT, 151.48 INBOUND, 15 NM LEGS); DEVAC (HOLD W, LT, 104.97 INBOUND, 15 NM LEGS).

(5) Communications: ATLANTA APPROACH CONTROL; HARTSFIELD - JACKSON ATLANTA INTL ARRIVAL ATIS.

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

QUALITY 3 CHECKED

(12) Airports Served			
Airport Name	HARTSFIELD - JACKSON ATLANTA INTL	**City/State**	ATLANTA, GA
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:

SPECIAL CHARTING INSTRUCTIONS: INSERT "TRK" ON GRAPHIC DEPICTION AFTER MAGNETIC HEADINGS FOR ALL FM LEGS (RWY 8L, 8R, 26L, 26R, 27L, 27R, AND 28).

REFERENCE MAGNETIC VARIATION: KATL 05W/2015

DME/DME ASSESSMENT: SAT (RNP 2.0)

QUALITY CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

(16) Continuation:

(2) ARRIVAL ROUTE DESCRIPTION (CONTINUED):

LANDING EAST RWY 9R: FROM OVER KOLTT ON TRACK 189.47/14.06 NM TO CROSS NAVVY AT/ABOVE 8000 (MEA 5000), THEN ON TRACK 170.14/6.71 NM TO CROSS ANDIY AT/ABOVE 7000 (MEA 5000), THEN ON TRACK 094.74/3.46 NM TO CROSS DFINS AT/ABOVE 6000 (MEA 5000), EXPECT ILS RWY 9R APPROACH.

LANDING EAST RWY 10: FROM OVER KOLTT ON TRACK 191.22/11.09 NM TO CROSS TOMKT AT/ABOVE 8000 (MEA 5000), THEN ON TRACK 183.00/5.00 NM TO ALLEI (MEA 5000), THEN ON TRACK 183.00, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING WEST RWY 26L/26R: FROM OVER KOLTT ON TRACK 138.09/3.28 NM TO TUNDR (MEA 5000), THEN ON TRACK 139.61/17.28 NM TO RAIIN (MEA 5000), THEN ON TRACK 094.96/7.35 NM TO KLOWD (MEA 5000), THEN ON TRACK 094.97/6.46 NM TO POORS (MEA 5000), THEN ON TRACK 094.90/8.34 NM TO KYMMY (MEA 4000), THEN ON TRACK 094.90/5.00 NM TO KEAVY (MEA 4000), THEN ON TRACK 094.90, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING WEST RWY 27L/27R/28: FROM OVER KOLTT ON TRACK 138.09/3.28 NM TO TUNDR (MEA 5000), THEN ON TRACK 157.98/26.81 NM TO EAGYL (MEA 4000), THEN ON TRACK 094.94/7.73 NM TO SHURT (MEA 4000), THEN ON TRACK 094.94/6.17 NM TO SWETE (MEA 4000), THEN ON TRACK 094.92/5.05 NM TO KRRIS (MEA 3000), THEN ON TRACK 094.92/5.00 NM TO TAAMY (MEA 3000), THEN ON TRACK 094.92, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

(17) Changes:
ORIGINAL.

(18) Reasons for Changes:
EASTERN FPT REQUEST.

	Name *(Typed and Signed)*, Title and Organization		DATE
Developed By	JOHN RIEDER, ACTING MANAGER AIRSPACE AND PROCEDURES, ATLANTA ARTCC		10/04/2012
Approved	**NFPO**	SUSAN CRUMB, MANAGER, AJV-352	
	Reg. ATD		

QUALITY CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(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									
BNA VORTAC	360813.06N / 0864105.18W	Y		IF					BNA.KOLTT1
DRAKK	354448.94N / 0862205.46W	Y	FB	TF	146.48	28.00			HOLDING - RIGHT TURNS
NEUTO	350441.87N / 0855002.13W	Y	FB	TF	146.66	47.86			HOLDING - RIGHT TURNS
RMG VORTAC	340945.22N / 0850709.83W	Y	FB	TF	146.97	65.27			HOLDING - RIGHT TURNS
En Route Transition									
BWG VORTAC	365543.47N / 0862636.36W	Y		IF					BWG.KOLTT1
DRAKK	354448.94N / 0862205.46W	Y	FB	TF	177.03	70.90			HOLDING - RIGHT TURNS
NEUTO	350441.87N / 0855002.13W	Y	FB	TF	146.66	47.86			HOLDING - RIGHT TURNS
RMG VORTAC	340945.22N / 0850709.83W	Y	FB	TF	146.97	65.27			HOLDING - RIGHT TURNS
En Route Transition									
MEM VORTAC	350054.42N / 0895859.55W	Y		IF					MEM.KOLTT1
DEVAC	343705.09N / 0872606.60W	Y	FB	TF	099.97	128.10			HOLDING - LEFT TURNS
CALCO	342042.91N / 0860109.72W	Y	FB	TF	102.70	72.10			HOLDING - LEFT TURNS

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

QUALITY CHECKED

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
RMG VORTAC	340945.22N / 0850709.83W	Y	FB	TF	103.48	46.08			HOLDING - RIGHT TURNS
Common Route									
RMG VORTAC	340945.22N / 0850709.83W	Y		IF					
ERLIN	340513.95N / 0850118.94W	Y	FB	TF	132.88	6.63			LANDING WEST: EXPECT 14000 LANDING EAST: EXPECT 13000/250 KTS.
KOLTT	335823.67N / 0845231.34W	Y	FB	TF	133.00	10.00			
Runway Transition									
KOLTT	335823.67N / 0845231.34W	Y		IF					
TUNDR	335609.14N / 0844938.82W	Y	FB	TF	133.09	3.28			
STRMM	335030.85N / 0844924.64W	Y	FO	TF	178.00	5.63			
RW08L, 08R				FM	178.00				
Runway Transition									
KOLTT	335823.67N / 0845231.34W	Y		IF					
NAVVY	334421.04N / 0845350.25W	Y	FB	TF	184.47	14.06	+8000		

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

QUALITY CHECKED

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
RYENN	333802.21N / 0845147.39W	Y	FB	TF	164.82	6.53	+7000		
AAKAY	333803.02N / 0844735.88W	Y	FB	TF	089.76	3.50	+6000		
RW09L									
Runway Transition									
KOLTT	335823.67N / 0845231.34W	Y		IF					
NAVVY	334421.04N / 0845350.25W	Y	FB	TF	184.47	14.06	+8000		
ANDIY	333751.37N / 0845146.62W	Y	FB	TF	165.14	6.71	+7000		
DFINS	333752.24N / 0844737.99W	Y	FB	TF	089.74	3.46	+6000		
RW09R									
Runway Transition									
KOLTT	335823.67N / 0845231.34W	Y		IF					
TOMKT	334721.28N / 0845357.76W	Y	FB	TF	186.22	11.09	+8000		
ALLEI	334220.74N / 0845345.20W	Y	FO	TF	178.00	5.00			
RW10				FM	178.00				

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

QUALITY CHECKED 3

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
Runway Transition									
KOLTT	335823.67N / 0845231.34W	Y		IF					
TUNDR	335609.14N / 0844938.82W	Y	FB	TF	133.09	3.28			
RAIIN	334358.61N / 0843453.69W	Y	FB	TF	134.61	17.28			
KLOWD	334358.63N / 0842604.57W	Y	FB	TF	089.96	7.35			
POORS	334358.58N / 0841819.84W	Y	FB	TF	089.97	6.46			
KYMMY	334359.09N / 0840819.67W	Y	FB	TF	089.90	8.34			
KEAVY	334359.46N / 0840219.95W	Y	FO	TF	089.90	5.00			
RW26L, 26R				FM	089.90				
Runway Transition									
KOLTT	335823.67N / 0845231.34W	Y		IF					
TUNDR	335609.14N / 0844938.82W	Y	FB	TF	133.09	3.28			
EAGYL	333212.45N / 0843504.50W	Y	FB	TF	152.98	26.81			
SHURT	333212.63N / 0842549.73W	Y	FB	TF	089.94	7.73			
SWETE	333212.81N / 0841827.09W	Y	FB	TF	089.94	6.17			

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

QUALITY 3 CHECKED

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
KRRIS	333213.06N / 0841224.94W	Y	FB	TF	089.92	5.05			
TAAMY	333213.34N / 0840626.04W	Y	FO	TF	089.92	5.00			
RW27L, 27R, 28				FM	089.92				

QUALITY CHECKED 3

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        ATL   K7011690VTH  N33374466W084260626    N33374268W084260626W0050010002     NARATLANTA
        SUSAD        BNA   K7011410VTH  N36081306W086410518    N36081306W086410518W0020005662     NARNASHVILLE
        SUSAD        BWG   K5011790VTHW N36554347W086263636    N36554347W086263636E0020005652     NARBOWLING GREEN
        SUSAD        MEM   K7011750VTTW N35005442W089585955    N35005442W089585955E0010003600     NARMEMPHIS
        SUSAD        RMG   K7011540VTHA N34094522W085070983    N34094522W085070983E0010011492     NARROME

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AAKAY K70    C     N33380302W084473588                    W0045     NAR           AAKAY
        SUSAEAENRT   ALLEI K70    W     N33422074W084534520                    W0044     NAR           ALLEI
        SUSAEAENRT   ANDIY K70    C     N33375137W084514662                    W0044     NAR           ANDIY
        SUSAEAENRT   CALCO K70    C   H N34204291W086010972                    W0037     NAR           CALCO
        SUSAEAENRT   DEVAC K70    C   H N34370509W087260660                    W0027     NAR           DEVAC
        SUSAEAENRT   DFINS K70    C     N33375224W084473799                    W0045     NAR           DFINS
        SUSAEAENRT   DRAKK K70    C     N35444894W086220546                    W0036     NAR           DRAKK
        SUSAEAENRT   EAGYL K70    W     N33321245W084350450                    W0046     NAR           EAGYL
        SUSAEAENRT   ERLIN K70    C   L N34051395W085011894                    W0044     NAR           ERLIN
        SUSAEAENRT   KEAVY K70    W     N33435946W084021995                    W0050     NAR           KEAVY
        SUSAEAENRT   KLOWD K70    W     N33435863W084260457                    W0047     NAR           KLOWD
        SUSAEAENRT   KOLTT K70    W     N33582367W084523134                    W0045     NAR           KOLTT
        SUSAEAENRT   KRRIS K70    W     N33321306W084122494                    W0049     NAR           KRRIS
        SUSAEAENRT   KYMMY K70    W     N33435909W084081967                    W0049     NAR           KYMMY
        SUSAEAENRT   NAVVY K70    W     N33442104W084535025                    W0044     NAR           NAVVY
        SUSAEAENRT   NEUTO K70    C     N35044187W085500213                    W0039     NAR           NEUTO
        SUSAEAENRT   POORS K70    W     N33435858W084181984                    W0048     NAR           POORS
        SUSAEAENRT   RAIIN K70    W     N33435861W084345369                    W0046     NAR           RAIIN
        SUSAEAENRT   RYENN K70    C     N33380221W084514739                    W0044     NAR           RYENN
        SUSAEAENRT   SHURT K70    W     N33321263W084254973                    W0047     NAR           SHURT
        SUSAEAENRT   STRMM K70    W     N33503085W084492464                    W0045     NAR           STRMM
        SUSAEAENRT   SWETE K70    W     N33321281W084182709                    W0048     NAR           SWETE
        SUSAEAENRT   TAAMY K70    W     N33321334W084062604                    W0049     NAR           TAAMY
        SUSAEAENRT   TOMKT K70    W     N33472128W084535776                    W0044     NAR           TOMKT
        SUSAEAENRT   TUNDR K70    W     N33560914W084493882                    W0045     NAR           TUNDR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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QUALITY 4 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

FAA Form 7100-3 (9/02)

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SUSAP KATLK7AATL     0     123YHN33381212W084254031W005001026         1800018000C    MNAR    HARTSFIELD - JACKSON ATLANTA I

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
SUSAP KATLK7EKOLTT14BNA   010BNA  K7D 0V       IF                                                18000
SUSAP KATLK7EKOLTT14BNA   020DRAKKK7EA0E  H 010TF
SUSAP KATLK7EKOLTT14BNA   030NEUTOK7EA0E  H 010TF
SUSAP KATLK7EKOLTT14BNA   040RMG  K7D 0VE H 010TF
SUSAP KATLK7EKOLTT14BWG   010BWG  K5D 0V       IF                                                18000
SUSAP KATLK7EKOLTT14BWG   020DRAKKK7EA0E  H 010TF
SUSAP KATLK7EKOLTT14BWG   030NEUTOK7EA0E  H 010TF
SUSAP KATLK7EKOLTT14BWG   040RMG  K7D 0VE H 010TF
SUSAP KATLK7EKOLTT14MEM   010MEM  K7D 0V       IF                                                18000
SUSAP KATLK7EKOLTT14MEM   020DEVACK7EA0E  H 010TF
SUSAP KATLK7EKOLTT14MEM   030CALCOK7EA0E  H 010TF
SUSAP KATLK7EKOLTT14MEM   040RMG  K7D 0VE H 010TF
SUSAP KATLK7EKOLTT15      010RMG  K7D 0V  H    IF                                                18000
SUSAP KATLK7EKOLTT15      020ERLINK7EA0E    010TF
SUSAP KATLK7EKOLTT15      030KOLTTK7EA0EE   010TF
SUSAP KATLK7EKOLTT16RW08B 010KOLTTK7EA0E       IF                                               18000
SUSAP KATLK7EKOLTT16RW08B 020TUNDRK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW08B 030STRMMK7EA0EY   010TF
SUSAP KATLK7EKOLTT16RW08B 040STRMMK7EA0EE      FM ATL K7      308402321830    D
SUSAP KATLK7EKOLTT16RW09L 010KOLTTK7EA0E       IF                                               18000
SUSAP KATLK7EKOLTT16RW09L 020NAVVYK7EA0E    010TF                                  + 08000
SUSAP KATLK7EKOLTT16RW09L 030RYENNK7EA0E    010TF                                  + 07000
SUSAP KATLK7EKOLTT16RW09L 040AAKAYK7EA0EE   010TF                                  + 06000
SUSAP KATLK7EKOLTT16RW09R 010KOLTTK7EA0E       IF                                               18000
SUSAP KATLK7EKOLTT16RW09R 020NAVVYK7EA0E    010TF                                  + 08000
SUSAP KATLK7EKOLTT16RW09R 030ANDIYK7EA0E    010TF                                  + 07000
SUSAP KATLK7EKOLTT16RW09R 040DFINSK7EA0EE   010TF                                  + 06000
SUSAP KATLK7EKOLTT16RW10  010KOLTTK7EA0E       IF                                               18000
SUSAP KATLK7EKOLTT16RW10  020TOMKTK7EA0E    010TF                                  + 08000
SUSAP KATLK7EKOLTT16RW10  030ALLEIK7EA0EY   010TF
SUSAP KATLK7EKOLTT16RW10  040ALLEIK7EA0EE      FM ATL K7      286402351830    D
SUSAP KATLK7EKOLTT16RW26B 010KOLTTK7EA0E       IF                                               18000
SUSAP KATLK7EKOLTT16RW26B 020TUNDRK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW26B 030RAIINK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW26B 040KLOWDK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW26B 050POORSK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW26B 060KYMMYK7EA0E    010TF
```

QUALITY 4 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

```
SUSAP KATLK7EKOLTT16RW26B 070KEAVYK7EA0EY   010TF
SUSAP KATLK7EKOLTT16RW26B 080KEAVYK7EA0EE      FM ATL K7      077402080949    D
SUSAP KATLK7EKOLTT16RW27B 010KOLTTK7EA0E       IF                                                18000
SUSAP KATLK7EKOLTT16RW27B 020TUNDRK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW27B 030EAGYLK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW27B 040SHURTK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW27B 050SWETEK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW27B 060KRRISK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW27B 070TAAMYK7EA0EY   010TF
SUSAP KATLK7EKOLTT16RW27B 080TAAMYK7EA0EE      FM ATL K7      113501730949    D
SUSAP KATLK7EKOLTT16RW28  010KOLTTK7EA0E       IF                                                18000
SUSAP KATLK7EKOLTT16RW28  020TUNDRK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW28  030EAGYLK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW28  040SHURTK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW28  050SWETEK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW28  060KRRISK7EA0E    010TF
SUSAP KATLK7EKOLTT16RW28  070TAAMYK7EA0EY   010TF
SUSAP KATLK7EKOLTT16RW28  080TAAMYK7EA0EE      FM ATL K7      113501730949    D
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KATLK7GRW08L   0090000950 N33385832W084262049-0300    +027980101500005915 0IIHFW3
        SUSAP KATLK7GRW08R   0100000950 N33384843W084261811-0300    +028260102400005315 0IIATL2
        SUSAP KATLK7GRW09L   0123900950 N33380494W084265268-0300    +028110101900005615 0IIHZK1
        SUSAP KATLK7GRW09R   0090000950 N33375453W084265268-0500    +028330102600005415 0IIFUN3
        SUSAP KATLK7GRW10    0090000950 N33371298W084265236+0000    +027550100000005815 0IIOMO3
        SUSAP KATLK7GRW26L   0100002750 N33384846W084241983+0300    +027390099500005215 0IIBRU1
        SUSAP KATLK7GRW26R   0090002750 N33385835W084243403+0300    +027230099000005815 0IIGXZ1
        SUSAP KATLK7GRW27L   0090002750 N33375456W084250624+0500    +027080098500005715 0IIFSQ1
        SUSAP KATLK7GRW27R   0123902750 N33380493W084243207+0300    +026870097805005615 0IIAFA1
        SUSAP KATLK7GRW28    0090002750 N33371302W084250594+0000    +027460099800005515 0IIPKU2
```

QUALITY CHECKED 4

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

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
	BNA	BNA	010		IF		FB					
	BNA	DRAKK	020		TF		FB	1.0				
	BNA	NEUTO	030		TF		FB	1.0				
	BNA	RMG	040		TF		FB	1.0				
	BWG	BWG	010		IF		FB					
	BWG	DRAKK	020		TF		FB	1.0				
	BWG	NEUTO	030		TF		FB	1.0				
	BWG	RMG	040		TF		FB	1.0				
	MEM	MEM	010		IF		FB					
	MEM	DEVAC	020		TF		FB	1.0				
	MEM	CALCO	030		TF		FB	1.0				
	MEM	RMG	040		TF		FB	1.0				
		RMG	010		IF		FB					
		ERLIN	020		TF		FB	1.0				
		KOLTT	030		TF		FB	1.0				
	RW08B	KOLTT	010		IF		FB					
	RW08B	TUNDR	020		TF		FB	1.0				
	RW08B	STRMM	030		TF		FO	1.0				
	RW08B	STRMM	040		FM		FB		183.0()			
	RW09L	KOLTT	010		IF		FB					
	RW09L	NAVVY	020		TF		FB	1.0			AA 08000	
	RW09L	RYENN	030		TF		FB	1.0			AA 07000	
	RW09L	AAKAY	040		TF		FB	1.0			AA 06000	
	RW09R	KOLTT	010		IF		FB					
	RW09R	NAVVY	020		TF		FB	1.0			AA 08000	
	RW09R	ANDIY	030		TF		FB	1.0			AA 07000	
	RW09R	DFINS	040		TF		FB	1.0			AA 06000	
	RW10	KOLTT	010		IF		FB					
	RW10	TOMKT	020		TF		FB	1.0			AA 08000	
	RW10	ALLEI	030		TF		FO	1.0				
	RW10	ALLEI	040		FM		FB		183.0()			
	RW26B	KOLTT	010		IF		FB					
	RW26B	TUNDR	020		TF		FB	1.0				
	RW26B	RAIIN	030		TF		FB	1.0				
	RW26B	KLOWD	040		TF		FB	1.0				
	RW26B	POORS	050		TF		FB	1.0				
	RW26B	KYMMY	060		TF		FB	1.0				
	RW26B	KEAVY	070		TF		FO	1.0				

QUALITY CHECKED A

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

FAA Form 7100-3 (9/02)

RW26B	KEAVY	080	FM	FB		094.9()
RW27B	KOLTT	010	IF	FB		
RW27B	TUNDR	020	TF	FB	1.0	
RW27B	EAGYL	030	TF	FB	1.0	
RW27B	SHURT	040	TF	FB	1.0	
RW27B	SWETE	050	TF	FB	1.0	
RW27B	KRRIS	060	TF	FB	1.0	
RW27B	TAAMY	070	TF	FO	1.0	
RW27B	TAAMY	080	FM	FB		094.9()
RW28	KOLTT	010	IF	FB		
RW28	TUNDR	020	TF	FB	1.0	
RW28	EAGYL	030	TF	FB	1.0	
RW28	SHURT	040	TF	FB	1.0	
RW28	SWETE	050	TF	FB	1.0	
RW28	KRRIS	060	TF	FB	1.0	
RW28	TAAMY	070	TF	FO	1.0	
RW28	TAAMY	080	FM	FB		094.9()

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
ATL	N333744.66	W0842606.26	N3337.744	W08426.104
BNA	N360813.06	W0864105.18	N3608.218	W08641.086
BWG	N365543.47	W0862636.36	N3655.725	W08626.606
MEM	N350054.42	W0895859.55	N3500.907	W08958.993
RMG	N340945.22	W0850709.83	N3409.754	W08507.164
AAKAY	N333803.02	W0844735.88	N3338.050	W08447.598
ALLEI	N334220.74	W0845345.20	N3342.346	W08453.753
ANDIY	N333751.37	W0845146.62	N3337.856	W08451.777
CALCO	N342042.91	W0860109.72	N3420.715	W08601.162
DEVAC	N343705.09	W0872606.60	N3437.085	W08726.110
DFINS	N333752.24	W0844737.99	N3337.871	W08447.633
DRAKK	N354448.94	W0862205.46	N3544.816	W08622.091
EAGYL	N333212.45	W0843504.50	N3332.208	W08435.075
ERLIN	N340513.95	W0850118.94	N3405.233	W08501.316
KEAVY	N334359.46	W0840219.95	N3343.991	W08402.333
KLOWD	N334358.63	W0842604.57	N3343.977	W08426.076
KOLTT	N335823.67	W0845231.34	N3358.395	W08452.522
KRRIS	N333213.06	W0841224.94	N3332.218	W08412.416
KYMMY	N334359.09	W0840819.67	N3343.985	W08408.328
NAVVY	N334421.04	W0845350.25	N3344.351	W08453.838
NEUTO	N350441.87	W0855002.13	N3504.698	W08550.036
POORS	N334358.58	W0841819.84	N3343.976	W08418.331
RAIIN	N334358.61	W0843453.69	N3343.977	W08434.895

QUALITY & CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

RYENN	N333802.21	W0845147.39	N3338.037	W08451.790
SHURT	N333212.63	W0842549.73	N3332.211	W08425.829
STRMM	N335030.85	W0844924.64	N3350.514	W08449.411
SWETE	N333212.81	W0841827.09	N3332.214	W08418.452
TAAMY	N333213.34	W0840626.04	N3332.222	W08406.434
TOMKT	N334721.28	W0845357.76	N3347.355	W08453.963
TUNDR	N335609.14	W0844938.82	N3356.152	W08449.647
RW08L	N333858.32	W0842620.49	N3338.972	W08426.342
RW08R	N333848.43	W0842618.11	N3338.807	W08426.302
RW09L	N333804.94	W0842652.68	N3338.082	W08426.878
RW09R	N333754.53	W0842652.68	N3337.909	W08426.878
RW10	N333712.98	W0842652.36	N3337.216	W08426.873
RW26L	N333848.46	W0842419.83	N3338.808	W08424.331
RW26R	N333858.35	W0842434.03	N3338.973	W08424.567
RW27L	N333754.56	W0842506.24	N3337.909	W08425.104
RW27R	N333804.93	W0842432.07	N3338.082	W08424.535
RW28	N333713.02	W0842505.94	N3337.217	W08425.099

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW08L	01015	59
RW08R	01024	53
RW09L	01019	56
RW09R	01026	54
RW10	01000	58
RW26L	00995	52
RW26R	00990	58
RW27L	00985	57
RW27R	00978	56
RW28	00998	55

QUALITY CHECKED 4

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOLTT RNAV	ONE	RMG.KOLTT1	NONE		

RADIO FIX AND HOLDING DATA RECORD

NAME: AAKAY **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333803.02N/0844735.88W **TYPE:** WP, RADAR, INT, 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	ATLANTA	I-HZK	LOC/DME		274.99	269.99	19.09	19.44		6000	7000
2	FLANC	FTY	NDB	MH	230.24	225.24		10.90		6000	7000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-HZK	LOC/DME	R-275	20	6000	7000

REMARKS:
ATLANTA (FAC 1) AND FLANC (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9L	1, 2		KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 9L (SCP)	1, 2		KATL	ATLANTA	GA (US)
IAP	RNAV (GPS) Y RWY 9L			KATL	ATLANTA	GA (US)
IAP	RNAV (RNP) Z RWY 9L			KATL	ATLANTA	GA (US)
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 11/21/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DANA MITCHELL)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON / ATL ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ALLEI **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334220.74N/0845345.20W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/31/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ANDIY **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333751.37N/0845146.62W **TYPE:** WP, RADAR, 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	ATLANTA	I-FUN	LOC/DME		274.97	269.97	22.44	22.46		7000	8000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-FUN	LOC/DME	R-275	23	7000	8000

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9R	1		KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 9R (CAT II) (SCP)	1		KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 9R (CAT III) (SCP)	1		KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 9R (SCP)	1		KATL	ATLANTA	GA (US)
IAP	ILS RWY 9R (CAT II)	1		KATL	ATLANTA	GA (US)
IAP	ILS RWY 9R (CAT III)	1		KATL	ATLANTA	GA (US)
IAP	RNAV (GPS) Y RWY 9R			KATL	ATLANTA	GA (US)
IAP	RNAV (RNP) Z RWY 9R			KATL	ATLANTA	GA (US)
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 11/21/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DANA MITCHELL)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON / ATL ATCT
OTHER:

QUALITY CHECKED 3

RADIO FIX AND HOLDING DATA RECORD

NAME: CALCO **STATE:** AL **COUNTRY:** US

LATITUDE/LONGITUDE: 342042.91N/0860109.72W **TYPE:** WP, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	VULCAN	VUZ	VORTAC	H	045.12	047.12	59.70	59.70		14500	45000
2	ROME	RMG	VORTAC	H	282.99	283.99	46.08	46.08		14500	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
VUZ	VORTAC	R-045	60	11000	17500
RMG	VORTAC	R-283	47	14500	15700

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	W	RMG	VORTAC	282.99	102.99	L	1 1/2		18000	45000	17	31
2	W		WP	287.70	107.70	L		15	15000	45000	28	30
3	W	RMG	VORTAC	282.99	102.99	L		15	15000	45000	28	31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	342030.69N/0854703.53W	1779	2C
2	265	TOWER (01-000487)	344236.31N/0863205.29W	2673	1A
3	265	TOWER (01-000487)	344236.31N/0863205.29W	2673	1A

REASON FOR NONSTANDARD HOLDING:
PAT 1 ENROUTE TRAFFIC SEPARATION
PAT 2 AND 3 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
VULCAN (FAC 1) AND ROME (FAC 2) USED TO ESTABLISH FIX COORDINATES
PAT 2 AND 3 - 15 NM LEG LENGTHS REQUESTED BY ATC.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J22	1, 2				(US)
EN ROUTE	J66	1, 2	1			(US)
STAR	BNELE (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	ERLIN (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	HERKO (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	ROME	1, 2	3	KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)		2	KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
1. POPULATED ESV DATA FOR FAC 1 AND 2.
2. AMENDED PAT 1 INBOUND COURSE FROM 103.00 TO 102.99.
3. AMENDED PAT 3 INBOUND COURSE FROM 103.00 TO 102.99.
4. UPDATED PAT 2 CONTROLLING OBSTACLE FROM 2412 MSL TOWER TO 2673 MSL TOWER (NO CHANGE TO MINIMUM HOLDING ALTITUDE REQUIRED).
5. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/30/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

QUALITY 3 CHECKED

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DEVAC **STATE:** AL **COUNTRY:** US

LATITUDE/LONGITUDE: 343705.09N/0872606.60W **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	098.97	099.97	128.10	128.10		18000	45000
2	VULCAN	VUZ	VORTAC	H	333.00	335.00	62.72	62.72		18000	45000
3	ROME	RMG	VORTAC	H	283.00	284.00	118.18	118.18		18000	45000

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	W	RMG	VORTAC	283.00	103.00	L		15	19000	45000	28	31
2	W		WP	284.97	104.97	L		15	19000	45000	28	30

REASON FOR NONSTANDARD HOLDING:
PAT 2 ATC REQUEST
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
ROME (FAC 3) USED TO ESTABLISH FIX COORDINATES
PAT 1 AND 2 - 15 NM LEG LENGTHS REQUESTED BY ATC.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J66	1, 2, 3				(US)
EN ROUTE	Q26					(US)
STAR	BNELE (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	ERLIN (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	HERKO (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	ROME	1, 2, 3	1	KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)		2	KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
1. AMENDED FAC 3 MRA FROM 14500 TO 18000.
2. ADDED DME VALUE TO FAC 2 TO SUPPORT DEPICTION ON ENROUTE HIGH CHART.
3. DELETED ESV DATA (FIX USED WITHIN STANDARD SERVICE VOLUMES).
4. INCREASED PAT 2 MAA FROM 33000 TO 45000.
5. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/30/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY:
OTHER:

QUALITY 3

RADIO FIX AND HOLDING DATA RECORD

NAME: DFINS **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333752.24N/0844737.99W **TYPE:** WP, RADAR, INT, 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	ATLANTA	I-FUN	LOC/DME		274.97	269.97	18.98	19.00		6000	7000
2	FLANC	FTY	NDB	MH	229.69	224.69		11.04		6000	7000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-FUN	LOC/DME	R-275	19	6000	7000

REMARKS:
ATLANTA (FAC 1) AND FLANC (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9R	1, 2		KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 9R (CAT II) (SCP)	1, 2		KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 9R (CAT III) (SCP)	1, 2		KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 9R (SCP)	1, 2		KATL	ATLANTA	GA (US)
IAP	ILS RWY 9R (CAT II)	1, 2		KATL	ATLANTA	GA (US)
IAP	ILS RWY 9R (CAT III)	1, 2		KATL	ATLANTA	GA (US)
IAP	RNAV (GPS) Y RWY 9R			KATL	ATLANTA	GA (US)
IAP	RNAV (RNP) Z RWY 9R			KATL	ATLANTA	GA (US)
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 11/21/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DANA MITCHELL)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON / ATL ATCT
OTHER:

QUALITY CHECKED 3

RADIO FIX AND HOLDING DATA RECORD

NAME: EAGYL **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333212.45N/0843504.50W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	WARRR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/29/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KEAVY **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334359.46N/0840219.95W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	WARRR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/29/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KLOWD **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334358.63N/0842604.57W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	DIRTY (RNAV)			KATL	ATLANTA	GA (US)
STAR	EVULE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	ONYON (RNAV)			KATL	ATLANTA	GA (US)
STAR	WARRR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/29/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KOLTT **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 335823.67N/0845231.34W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 11/01/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KRRIS **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333213.06N/0841224.94W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 28			KATL	ATLANTA	GA (US)
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	WARRR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/24/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KYMMY **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334359.09N/0840819.67W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26L			KATL	ATLANTA	GA (US)
IAP	RNAV (RNP) Z RWY 26R			KATL	ATLANTA	GA (US)
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	WARRR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/25/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NAVVY **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334421.04N/0845350.25W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 11/01/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NEUTO **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 350441.87N/0855002.13W **TYPE:** WP, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ROME	RMG	VORTAC	H	326.38	327.38	65.27	65.27		14500	45000
2	CHOO CHOO	GQO	VORTAC	H	281.00	282.00		34.26		14500	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RMG	VORTAC	R-326	66	14500	15700

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	NW	RMG	VORTAC	326.38	146.38	R		15	14500	38000	28	28
2	NW		WP	331.66	151.66	R		15	18000	38000	28	28

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (47-020105)	351644.09N/0853256.77W	2558	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
ROME (FAC 1) AND CHOO CHOO (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 AND 2 - 15 NM LEG LENGTHS REQUESTED BY ATC.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	ERLIN (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	ROME		1	KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)		2	KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
1. POPULATED ESV DATA FOR FAC 1.
2. UPDATED PAT 1 CONTROLLING OBSTACLE FROM 2350 MSL AOO TO 2558 MSL TOWER. NO CHANGE TO MINIMUM HOLDING ALTITUDE REQUIRED.
3. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/01/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: POORS **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334358.58N/0841819.84W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	WARRR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/29/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RAIIN **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334358.61N/0843453.69W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	WARRR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/29/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RYENN **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333802.21N/0845147.39W **TYPE:** WP, RADAR, 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	ATLANTA	I-HZK	LOC/DME		274.99	269.99	22.59	22.94		7000	8000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-HZK	LOC/DME	R-275	23	7000	8000

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9L	1		KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 9L (SCP)	1		KATL	ATLANTA	GA (US)
IAP	RNAV (GPS) Y RWY 9L			KATL	ATLANTA	GA (US)
IAP	RNAV (RNP) Z RWY 9L			KATL	ATLANTA	GA (US)
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 11/21/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DANA MITCHELL)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON / ATL ATCT
OTHER:

QUALITY CHECKED 3

RADIO FIX AND HOLDING DATA RECORD

NAME: SHURT **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333212.63N/0842549.73W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	DIRTY (RNAV)			KATL	ATLANTA	GA (US)
STAR	EVULE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	ONYON (RNAV)			KATL	ATLANTA	GA (US)
STAR	WARRR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/29/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: STRMM **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 335030.85N/0844924.64W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	KOLTT (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 11/01/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SWETE **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333212.81N/0841827.09W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	WARRR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/29/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY CHECKED 3

RADIO FIX AND HOLDING DATA RECORD

NAME: TAAMY **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333213.34N/0840626.04W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	WARRR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/29/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TOMKT **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334721.28N/0845357.76W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 10/29/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TUNDR **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 335609.14N/0844938.82W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 11/01/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BOWLING GREEN VORTAC **STATE:** KY **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 365543.47N/0862636.36W **TYPE:**

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BOWLING GREEN	BWG	VORTAC	H							45000

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	BWG	VORTAC	204.00	024.00	R	1		2300	10000	4	9
2	SW	BWG	VORTAC	206.00	026.00	R	1		2300	10000	4	9
3	NE	BWG	VORTAC	059.37	239.37	L		15	18000	45000	28	29
4	NE		WP	060.37	240.37	L		15	18000	45000	28	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	TOWER (21-000307)	370349.22N/0862606.70W	1304	5D
1	200	AAO	364715.00N/0862618.00W	926	4E
2	200	AAO	364715.00N/0862618.00W	926	4E

REASON FOR NONSTANDARD HOLDING:
PAT 4 ATC REQUEST. 15 NM LEG LENGTHS ATC REQUEST.
PAT 3 ATC REQUEST. 15 NM LEG LENGTHS ATC REQUEST.

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HUNTSVILLE			KHSV	HUNTSVILLE	AL (US)
DP	DAWNN			KEYE	INDIANAPOLIS	IN (US)
DP	DAWNN			KHFY	INDIANAPOLIS	IN (US)
DP	DAWNN			KIND	INDIANAPOLIS	IN (US)
DP	DAWNN			KMQJ	INDIANAPOLIS	IN (US)
DP	DAWNN			KTYQ	INDIANAPOLIS	IN (US)
DP	DAWNN			KUMP	INDIANAPOLIS	IN (US)
DP	DAWNN			KGEZ	SHELBYVILLE	IN (US)
DP	BLUEGRASS			KCVG	COVINGTON	KY (US)
DP	CHCLL (RNAV)			KCVG	COVINGTON	KY (US)
DP	MYSTIC (RNAV)			KSDF	LOUISVILLE	KY (US)
DP	CHATTANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
EN ROUTE	J6					(US)
EN ROUTE	V243					(US)
EN ROUTE	V49					(US)
EN ROUTE	V5					(US)
EN ROUTE	V52					(US)
EN ROUTE	V94					(US)
IAP	ILS RWY 3			KBWG	BOWLING GREEN	KY (US)
IAP	NDB RWY 3			KBWG	BOWLING GREEN	KY (US)
IAP	VOR-A			KBWG	BOWLING GREEN	KY (US)
IAP	VOR/DME RWY 21		2	KBWG	BOWLING GREEN	KY (US)
IAP	SDF RWY 8			KGLW	GLASGOW	KY (US)
IAP	VOR/DME RWY 8			KGLW	GLASGOW	KY (US)
IAP	RNAV (GPS) RWY 26			KHVC	HOPKINSVILLE	KY (US)
IAP	VOR/DME RWY 24			K4M7	RUSSELLVILLE	KY (US)
IAP	RNAV (GPS) RWY 17			KM33	GALLATIN	TN (US)
IAP	RNAV (GPS) RWY 35			KM33	GALLATIN	TN (US)
IAP	ILS OR LOC RWY 20L			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 2R			KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2R (CAT II)			KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2R (CAT III)			KBNA	NASHVILLE	TN (US)
IAP	NASHVILLE			KBNA	NASHVILLE	TN (US)
IAP	VOR/DME RWY 13			KBNA	NASHVILLE	TN (US)
IAP	VOR/DME RWY 19			K1M5	PORTLAND	TN (US)
IAP	LOC RWY 4		1	KM91	SPRINGFIELD	TN (US)
STAR	ERLIN (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	ROME			KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)			KATL	ATLANTA	GA (US)
STAR	DARBY			KJVY	JEFFERSONVILLE	IN (US)

QUALITY 3 CHECKED

STAR	DARBY		KLOU	LOUISVILLE	KY (US)
STAR	DARBY		KSDF	LOUISVILLE	KY (US)
STAR	LTOWN (RNAV)	4	KMEM	MEMPHIS	TN (US)
STAR	WLDER	3	KMEM	MEMPHIS	TN (US)
STAR	GUITR		KMBT	MURFREESBORO	TN (US)
STAR	HEHAW		KMBT	MURFREESBORO	TN (US)
STAR	GUITR		KBNA	NASHVILLE	TN (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)
STAR	GUITR		KJWN	NASHVILLE	TN (US)
STAR	HEHAW		KJWN	NASHVILLE	TN (US)
STAR	GUITR		KMQY	SMYRNA	TN (US)
STAR	HEHAW		KMQY	SMYRNA	TN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
1. ADDED HOLDING PAT 3 AND PAT 4 TO SUPPORT MEM STARS.
2. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/14/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** 06/13/2012 **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DRAKK **STATE:** TN **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 354448.94N/0862205.46W **TYPE:** WP, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	NASHVILLE	BNA	VORTAC	H	148.48	146.48	28.00	28.00		18000	33000
2	BOWLING GREEN	BWG	VORTAC	H	175.03	177.03	70.90	70.90		24000	33000

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	NW	BNA	VORTAC	148.48	148.48	R		15	18000	33000	25	26
2	NW		WP	331.48	151.48	R		15	18000	33000	28	28

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
NASHVILLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 AND 2 - 15 NM LEG LENGTH REQUESTED BY ATC.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	ERLIN (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	ROME		1	KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)		2	KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
CHANGED PAT 2 RAD/CRS/BRG FROM 328.48 TO 331.48 AND CRS INB FROM 148.48 TO 151.48.

DEVELOPED BY: **DATE:** 04/23/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL CURRAN

APPROVED BY: **DATE:** 10/22/2012 **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME, ZTL
ATC FACILITY:
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ERLIN **STATE:** GA **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 340513.95N/0850118.94W **TYPE:** WP, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ROME	RMG	VORTAC	H	131.88	132.88	6.63	6.63		4000	17500
2	LAGRANGE	LGC	VORTAC	H	007.40	008.40		62.85		4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LGC	VORTAC	R-007	63	3000	15300

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

REMARKS:
ROME (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V333	1, 2				(US)
STAR	ERLIN (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	ROME	1, 2		KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
ADDED REMARK: ROME (FAC 1) USED TO ESTABLISH FIX COORDINATES.

DEVELOPED BY: **DATE:** 04/20/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL CURRAN

APPROVED BY: **DATE:** 10/22/2012 **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: ATL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MEMPHIS VORTAC **STATE:** TN **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 350054.42N/0895859.55W **TYPE:**

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MEMPHIS	MEM	VORTAC	H							45000

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

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	TOWER (47-000066)	350914.00N/0894918.00W	1444	4D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2500.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BIRMINGHAM			KBHM	BIRMINGHAM	AL (US)
DP	HUNTSVILLE			KHSV	HUNTSVILLE	AL (US)
DP	JACKSON			KJAN	JACKSON	MS (US)
DP	ELVIS			KMEM	MEMPHIS	TN (US)
DP	MEMPHIS			KMEM	MEMPHIS	TN (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
EN ROUTE	J118					(US)
EN ROUTE	J187					(US)
EN ROUTE	J29					(US)
EN ROUTE	J35					(US)
EN ROUTE	J41					(US)
EN ROUTE	J42					(US)
EN ROUTE	J66					(US)
EN ROUTE	J71					(US)
EN ROUTE	Q128					(US)
EN ROUTE	Q29					(US)
EN ROUTE	Q34					(US)
IAP	LOC/DME RWY 19			KPMU	BATESVILLE	MS (US)
IAP	ILS OR LOC RWY 18			KOLV	OLIVE BRANCH	MS (US)
IAP	LOC/DME RWY 36 (ALT MISS)			KOLV	OLIVE BRANCH	MS (US)
IAP	ILS OR LOC RWY 35			KUTA	TUNICA	MS (US)
IAP	VOR/DME-A			KUTA	TUNICA	MS (US)
IAP	VOR RWY 17			KM01	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 18C			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 18L			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 18R			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 27			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 36C			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 36L			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 36R			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 9			KMEM	MEMPHIS	TN (US)
IAP	ILS RWY 36C CAT II			KMEM	MEMPHIS	TN (US)
IAP	ILS RWY 36C CAT III			KMEM	MEMPHIS	TN (US)
IAP	ILS RWY 36L CAT II			KMEM	MEMPHIS	TN (US)
IAP	ILS RWY 36L CAT III			KMEM	MEMPHIS	TN (US)
IAP	ILS RWY 36R CAT II			KMEM	MEMPHIS	TN (US)
IAP	ILS RWY 36R CAT III			KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) RWY 27			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)
IAP	RNAV (GPS) Z RWY 18C			KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) Z RWY 18L			KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) Z RWY 18R			KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) RWY 36			K2M8	MILLINGTON	TN (US)
IAP	VOR/DME RWY 18			K2M8	MILLINGTON	TN (US)
IAP	ILS OR LOC RWY 22			KNQA	MILLINGTON	TN (US)
IAP	VOR/DME OR TACAN RWY 22			KNQA	MILLINGTON	TN (US)
STAR	BNELE (RNAV)			KATL	ATLANTA	GA (US)
STAR	ERLIN (RNAV)			KATL	ATLANTA	GA (US)
STAR	HERKO (RNAV)			KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)			KATL	ATLANTA	GA (US)
STAR	ROME			KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)			KATL	ATLANTA	GA (US)
STAR	BOOSH (RNAV)			KSTL	ST LOUIS	MO (US)
STAR	QBALL			KSTL	ST LOUIS	MO (US)

QUALITY 3 CHECKED

STAR	DAWGG	KMEM	MEMPHIS	TN (US)
STAR	LUGOH	KMEM	MEMPHIS	TN (US)
STAR	MARVELL	KMEM	MEMPHIS	TN (US)
STAR	WLDER	KMEM	MEMPHIS	TN (US)
STAR	GRAHAM	KMBT	MURFREESBORO	TN (US)
STAR	CHSNE (RNAV)	KBNA	NASHVILLE	TN (US)
STAR	GRAHAM	KBNA	NASHVILLE	TN (US)
STAR	GRAHAM	KJWN	NASHVILLE	TN (US)
STAR	GRAHAM	KMQY	SMYRNA	TN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 05/05/2011

REASON FOR REVISION:
1. MOVED UNPLANNED HOLDING REMARK TO HOLDING RESTRICTIONS.
2. ADDED PRECIPITOUS TERRAIN REMARK.
3. UPDATED FIX USE.
4. UPDATED HOLDING OBSTACLE.

DEVELOPED BY: **DATE:** 07/08/2010 **OFFICE:** AVN-110 **NAME:** GEORGE TRAMMELL

APPROVED BY: **DATE:** 03/08/2011 **OFFICE:** AVN-110 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME, ZTL
ATC FACILITY: MEM APP CON/ATCT
OTHER: ATL APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: NASHVILLE VORTAC **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360813.06N/0864105.18W **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	NASHVILLE	BNA	VORTAC	H							45000

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	NW	BNA	VORTAC	315.19	135.19	R	1		3000	6000	4	5
2	NW	BNA	VORTAC	336.00	156.00	R	1-1 1/2		7000	16000	8	15
3	E	BNA	VORTAC	080.87	260.87	L		15	18000	45000	28	29
4	E		WP	078.00	258.00	L		15	18000	45000	28	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (47-000685)	361550.00N/0864739.00W	2049	3D
2	230	TOWER (47-000685)	361550.00N/0864739.00W	2049	3D

REASON FOR NONSTANDARD HOLDING:
PAT 4 ATC REQUEST. 15 NM LEG LENGTHS ATC REQUEST.
PAT 3 ATC REQUEST. 15 NM LEG LENGTHS ATC REQUEST.

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
DO NOT CHART HOLD PAT 2/USED FOR ATC OVERFLOW.
HOLD PAT 1 CONTROLLING OBSTACLE IS IN THE SECONDARY AREA.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BIRMINGHAM			KBHM	BIRMINGHAM	AL (US)
DP	HUNTSVILLE			KHSV	HUNTSVILLE	AL (US)
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	DRUSE (RNAV)			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
DP	JACKSON			KJAN	JACKSON	MS (US)
DP	ZAVER (RNAV)			KCLT	CHARLOTTE	NC (US)
DP	CHATTANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	MEMPHIS			KMEM	MEMPHIS	TN (US)
EN ROUTE	J39					(US)
EN ROUTE	J42					(US)
EN ROUTE	J45					(US)
EN ROUTE	J46					(US)
EN ROUTE	J73					(US)
EN ROUTE	Q19					(US)
EN ROUTE	Q32					(US)
EN ROUTE	Q36					(US)
EN ROUTE	V140					(US)
EN ROUTE	V49					(US)
IAP	RNAV (GPS) RWY 18			KHOP	FT CAMPBELL	KY (US)
IAP	RNAV (GPS) RWY 23			KHOP	FT CAMPBELL	KY (US)
IAP	RNAV (GPS) RWY 35			KM33	GALLATIN	TN (US)
IAP	VOR/DME-A			KM33	GALLATIN	TN (US)
IAP	NDB RWY 19			KM54	LEBANON	TN (US)
IAP	RNAV (GPS) RWY 01			KM54	LEBANON	TN (US)
IAP	RNAV (GPS) RWY 19			KM54	LEBANON	TN (US)
IAP	VOR/DME-A			KM54	LEBANON	TN (US)
IAP	NDB RWY 18			KMBT	MURFREESBORO	TN (US)
IAP	ILS RWY 2R (CAT II)			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 20L			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 20R			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 2C			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 2L			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 2R			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 31			KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2L (CAT II)			KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2L (CAT III)			KBNA	NASHVILLE	TN (US)

QUALITY 3 CHECKED

IAP	ILS RWY 2R (CAT III)		KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) RWY 13		KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 20L		KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 20R		KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 2L		KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 2R		KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 31		KBNA	NASHVILLE	TN (US)
IAP	VOR/DME RWY 13		KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC/DME RWY 20		KJWN	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 32		KMQY	SMYRNA	TN (US)
IAP	NDB RWY 32		KMQY	SMYRNA	TN (US)
IAP	VOR/DME RWY 14	1	KMQY	SMYRNA	TN (US)
IAP	VOR/DME RWY 32		KMQY	SMYRNA	TN (US)
IAP	LOC RWY 4 (ALT MISS)	1	KM91	SPRINGFIELD	TN (US)
STAR	BNELE (RNAV)		KATL	ATLANTA	GA (US)
STAR	ERLIN (RNAV)		KATL	ATLANTA	GA (US)
STAR	HERKO (RNAV)		KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)		KATL	ATLANTA	GA (US)
STAR	ROME		KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)		KATL	ATLANTA	GA (US)
STAR	BOOSH (RNAV)		KSTL	ST LOUIS	MO (US)
STAR	QBALL		KSTL	ST LOUIS	MO (US)
STAR	LTOWN (RNAV)	4	KMEM	MEMPHIS	TN (US)
STAR	WLDER	3	KMEM	MEMPHIS	TN (US)
STAR	GRAHAM		KMBT	MURFREESBORO	TN (US)
STAR	GUITR		KMBT	MURFREESBORO	TN (US)
STAR	HEHAW		KMBT	MURFREESBORO	TN (US)
STAR	VOLLS		KMBT	MURFREESBORO	TN (US)
STAR	GRAHAM		KBNA	NASHVILLE	TN (US)
STAR	GUITR		KBNA	NASHVILLE	TN (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)
STAR	VOLLS		KBNA	NASHVILLE	TN (US)
STAR	GRAHAM		KJWN	NASHVILLE	TN (US)
STAR	GUITR		KJWN	NASHVILLE	TN (US)
STAR	HEHAW		KJWN	NASHVILLE	TN (US)
STAR	VOLLS		KJWN	NASHVILLE	TN (US)
STAR	GRAHAM		KMQY	SMYRNA	TN (US)
STAR	GUITR		KMQY	SMYRNA	TN (US)
STAR	HEHAW		KMQY	SMYRNA	TN (US)
STAR	VOLLS		KMQY	SMYRNA	TN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
1. ADDED HOLDING PAT 3 AND PAT 4 TO SUPPORT MEM STARS.
2. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/14/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** 06/13/2012 **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: ROME VORTAC **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 340945.22N/0850709.83W **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	DIST FROM FAC FEET	MRA	MAA
1	ROME	RMG	VORTAC	H							45000

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	S	RMG	VORTAC	169.00	349.00	L	1-1 1/2		3000	17500	4	16
2	N	RMG	VORTAC	007.90	187.90	L	1-1 1/2		3000	17500	4	16
3	NW	RMG	VORTAC	313.00	133.00	R		15	5000	41000	18	28
4	NW		WP	317.88	137.88	R		15	15000	41000	28	29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (13-000100)	341359.00N/0851402.00W	1761	5E
1	200	AAO	340946.71N/0850709.66W	1359	2C
1	310	TOWER (13-000100)	341359.00N/0851402.00W	1761	5E
2	200	TOWER (13-003316)	340934.00N/0850213.00W	1723	4D
3	200	AAO	341919.00N/0851725.00W	1901	6C
4	265	AAO	343730.00N/0852800.00W	2409	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 COMPATIBILITY WITH PROCEDURE TURNS.
PAT 2 REQUESTED BY ATC

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR/DME RWY 19	KRMG	ROME	GA (US)
1	VOR/DME RWY 1	KRMG	ROME	GA (US)
1	ILS OR LOC/DME RWY 1	KRMG	ROME	GA (US)

REMARKS:
HOLD PAT 2: 4D AC (OE-2003-ASO-5588).
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 3 AND 4 - 15 NM LEG LENGTH REQUESTED BY ATC.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BIRMINGHAM			KBHM	BIRMINGHAM	AL (US)
DP	HUNTSVILLE			KHSV	HUNTSVILLE	AL (US)
DP	UZOVO			KRMG	ROME	GA (US)
DP	CHATTANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
EN ROUTE	J66					(US)
EN ROUTE	V154					(US)
EN ROUTE	V333					(US)
EN ROUTE	V415					(US)
EN ROUTE	V417					(US)
IAP	VOR/DME OR GPS RWY 27			KC22	CENTRE	AL (US)
IAP	HI-ILS OR LOC RWY 10			KMGM	MONTGOMERY	AL (US)
IAP	HI-TACAN-A			KMGM	MONTGOMERY	AL (US)
IAP	ILS OR LOC RWY 26L			KATL	ATLANTA	GA (US)
IAP	ILS OR LOC RWY 26R			KATL	ATLANTA	GA (US)
IAP	ILS OR LOC RWY 27L			KATL	ATLANTA	GA (US)
IAP	ILS OR LOC RWY 27R			KATL	ATLANTA	GA (US)
IAP	ILS OR LOC RWY 8L			KATL	ATLANTA	GA (US)
IAP	ILS OR LOC RWY 8R			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 26L (SCP)			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 26R (SA CAT I) (SCP)			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 26R (SA CAT II) (SCP)			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 26R (SCP)			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 27L (CAT II) (SCP)			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 27L (SCP)			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 27R (SCP)			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 8L (CAT II) (SCP)			KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 8L (CAT III) (SCP)			KATL	ATLANTA	GA (US)

QUALITY CHECKED 3

IAP	ILS PRM RWY 8L (SCP)		KATL	ATLANTA	GA (US)
IAP	ILS PRM RWY 8R (SCP)		KATL	ATLANTA	GA (US)
IAP	ILS RWY 26R (SA CAT I)		KATL	ATLANTA	GA (US)
IAP	ILS RWY 26R (SA CAT II)		KATL	ATLANTA	GA (US)
IAP	ILS RWY 27L (CAT II)		KATL	ATLANTA	GA (US)
IAP	ILS RWY 8L (CAT II)		KATL	ATLANTA	GA (US)
IAP	ILS RWY 8L (CAT III)		KATL	ATLANTA	GA (US)
IAP	ILS OR LOC RWY 31		KFFC	ATLANTA	GA (US)
IAP	ILS OR LOC RWY 8		KFTY	ATLANTA	GA (US)
IAP	ILS OR LOC RWY 20L		KPDK	ATLANTA	GA (US)
IAP	VOR/DME RWY 20L		KPDK	ATLANTA	GA (US)
IAP	VOR/DME-D		KPDK	ATLANTA	GA (US)
IAP	ILS OR LOC/DME RWY 31		KPUJ	ATLANTA	GA (US)
IAP	RNAV (GPS) RWY 13		KPUJ	ATLANTA	GA (US)
IAP	ILS OR LOC RWY 27		KRYY	ATLANTA	GA (US)
IAP	VOR/DME RWY 9		KRYY	ATLANTA	GA (US)
IAP	LOC RWY 35		KCZL	CALHOUN	GA (US)
IAP	RNAV (GPS) RWY 17		KCZL	CALHOUN	GA (US)
IAP	RNAV (GPS) RWY 35		KCZL	CALHOUN	GA (US)
IAP	ILS OR LOC/NDB RWY 35		KCTJ	CARROLLTON	GA (US)
IAP	LOC RWY 19		KVPC	CARTERSVILLE	GA (US)
IAP	RNAV (GPS) RWY 19		KVPC	CARTERSVILLE	GA (US)
IAP	VOR/DME-A		KVPC	CARTERSVILLE	GA (US)
IAP	VOR-A	2	K4A4	CEDARTOWN	GA (US)
IAP	ILS OR LOC RWY 14 (ALT MA)	1	KDNN	DALTON	GA (US)
IAP	RNAV (GPS) RWY 34		KJZP	JASPER	GA (US)
IAP	ILS OR LOC/DME RWY 1	1	KRMG	ROME	GA (US)
IAP	RNAV (GPS) RWY 19		KRMG	ROME	GA (US)
IAP	RNAV (GPS) RWY 7		KRMG	ROME	GA (US)
IAP	VOR/DME RWY 1	1	KRMG	ROME	GA (US)
IAP	VOR/DME RWY 19	1	KRMG	ROME	GA (US)
STAR	BNELE (RNAV)	4	KATL	ATLANTA	GA (US)
STAR	ERLIN (RNAV)	4	KATL	ATLANTA	GA (US)
STAR	HERKO (RNAV)	4	KATL	ATLANTA	GA (US)
STAR	KOLTT (RNAV)	4	KATL	ATLANTA	GA (US)
STAR	LA GRANGE		KATL	ATLANTA	GA (US)
STAR	ROME	3	KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)	4	KATL	ATLANTA	GA (US)
STAR	BUNNI		KFTY	ATLANTA	GA (US)
STAR	DIFFI		KFTY	ATLANTA	GA (US)
STAR	BUNNI		KPDK	ATLANTA	GA (US)
STAR	DIFFI		KPDK	ATLANTA	GA (US)
STAR	BUNNI		KPUJ	ATLANTA	GA (US)
STAR	DIFFI		KPUJ	ATLANTA	GA (US)
STAR	BUNNI		KRYY	ATLANTA	GA (US)
STAR	DIFFI		KCNI	CANTON	GA (US)
STAR	BUNNI		KVPC	CARTERSVILLE	GA (US)
STAR	DIFFI		KVPC	CARTERSVILLE	GA (US)
STAR	BUNNI		K9A1	COVINGTON	GA (US)
STAR	DIFFI		KGVL	GAINESVILLE	GA (US)
STAR	BUNNI		KLZU	LAWRENCEVILLE	GA (US)
STAR	DIFFI		KLZU	LAWRENCEVILLE	GA (US)
STAR	BUNNI		KMGE	MARIETTA	GA (US)
STAR	DIFFI		KMGE	MARIETTA	GA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
CHANGED PAT 4 RAD/CRS/BRG FROM 314.88 TO 317.88 AND CRS INB FROM 134.88 TO 137.88.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 05/01/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL CURRAN

APPROVED BY: **DATE:** 10/22/2012 **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZTL
ATC FACILITY:
OTHER:

QUALITY 3 D CHECKED

Name:	Dennis Osterhage
Project Name:	KATL RNAV STARS
Output File:	KATL KOLTT1 STAR BNA KEAVY 20120828_0809
Procedure Name:	KATL KOLTT1
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	8/28/2012 8:09:30 AM
Input File:	KATL KOLTT1 STAR BNA KEAVY 20120828_0736.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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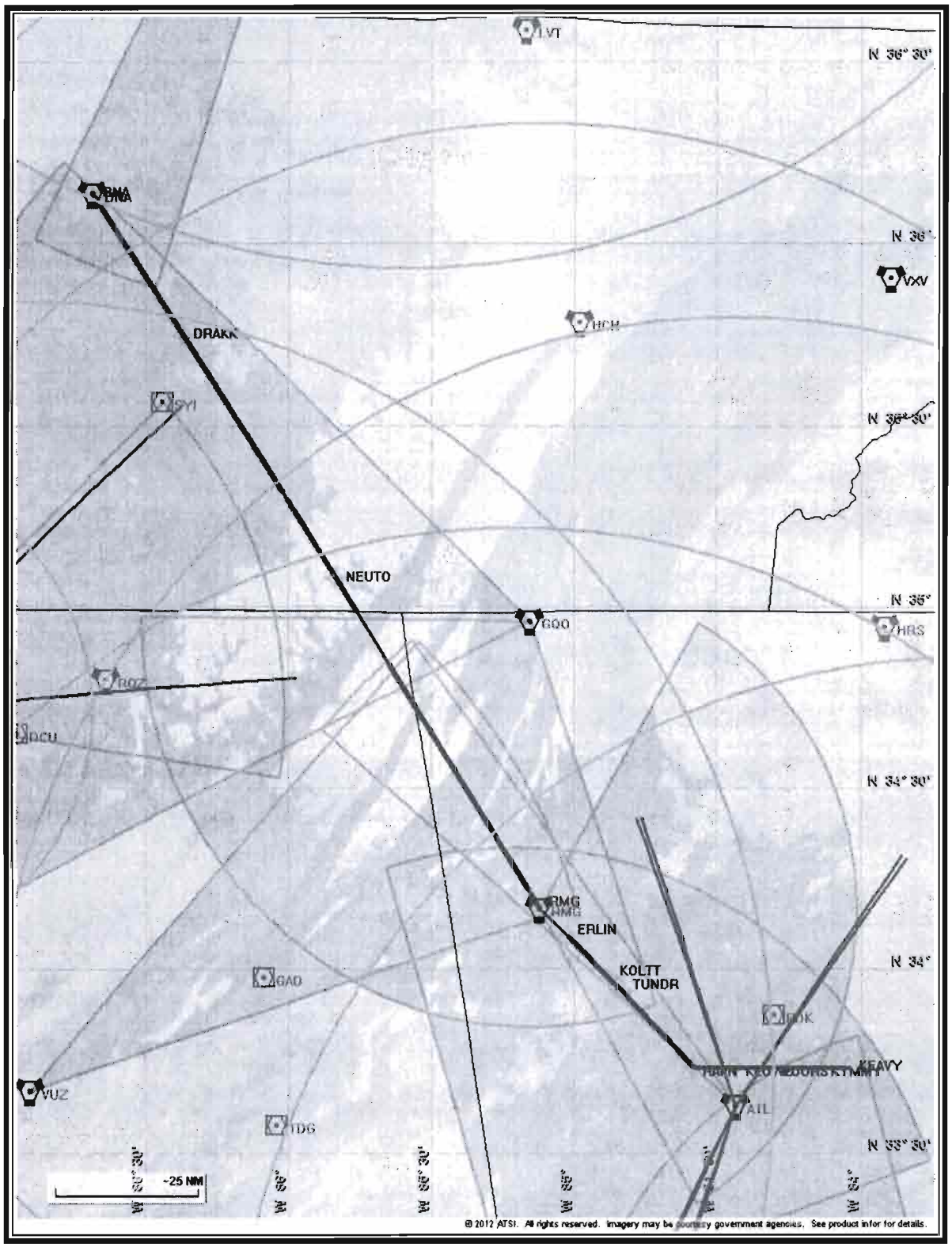
LVT
N 36° 30'
BNA
N 36°
VXV
HCH
DRAKK
GYI
N 35° 30'
NEUTO
N 35°
GQO
HRS
ROZ
DCU
N 34° 30'
RMG
ERLIN
KOLTT
TUNDR
N 34°
GAD
DK
KEAVY
VUZ
AIL
TDG
N 33° 30'
~25 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
BNA	WP	N 36° 8' 13.06" W 86° 41' 5.18"	18000.0	Step	240.0	Fly By	TF
DRAKK	WP	N 35° 44' 48.94" W 86° 22' 5.46"	18000.0	Step	240.0	Fly By	TF
NEUTO	WP	N 35° 4' 41.87" W 85° 50' 2.13"	18000.0	Step	240.0	Fly By	TF
RMG	WP	N 34° 9' 45.22" W 85° 7' 9.83"	15000.0	Step	210.0	Fly By	TF
ERLIN	WP	N 34° 5' 13.95" W 85° 1' 18.94"	5000.0	Step	180.0	Fly By	TF
KOLTT	WP	N 33° 58' 23.67" W 84° 52' 31.34"	5000.0	Step	180.0	Fly By	TF
TUNDR	WP	N 33° 56' 9.14" W 84° 49' 38.82"	5000.0	Step	180.0	Fly By	TF
RAIIN	WP	N 33° 43' 58.61" W 84° 34' 53.69"	5000.0	Step	180.0	Fly By	TF
KLOWD	WP	N 33° 43' 58.63" W 84° 26' 4.57"	5000.0	Step	180.0	Fly By	TF
POORS	WP	N 33° 43' 58.58" W 84° 18' 19.84"	5000.0	Step	180.0	Fly By	TF
KYMMY	WP	N 33° 43' 59.09" W 84° 8' 19.67"	4000.0	Step	180.0	Fly By	TF
KEAVY	WP	N 33° 43' 59.46" W 84° 2' 19.95"	4000.0	Step	180.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **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
Aircraft ALTITUDE at Fly-By WP ERLIN too high. Aircraft ALTITUDE at Fly-By WP KOLTT too high.	

DME/DME

Return To Summary

Settings:

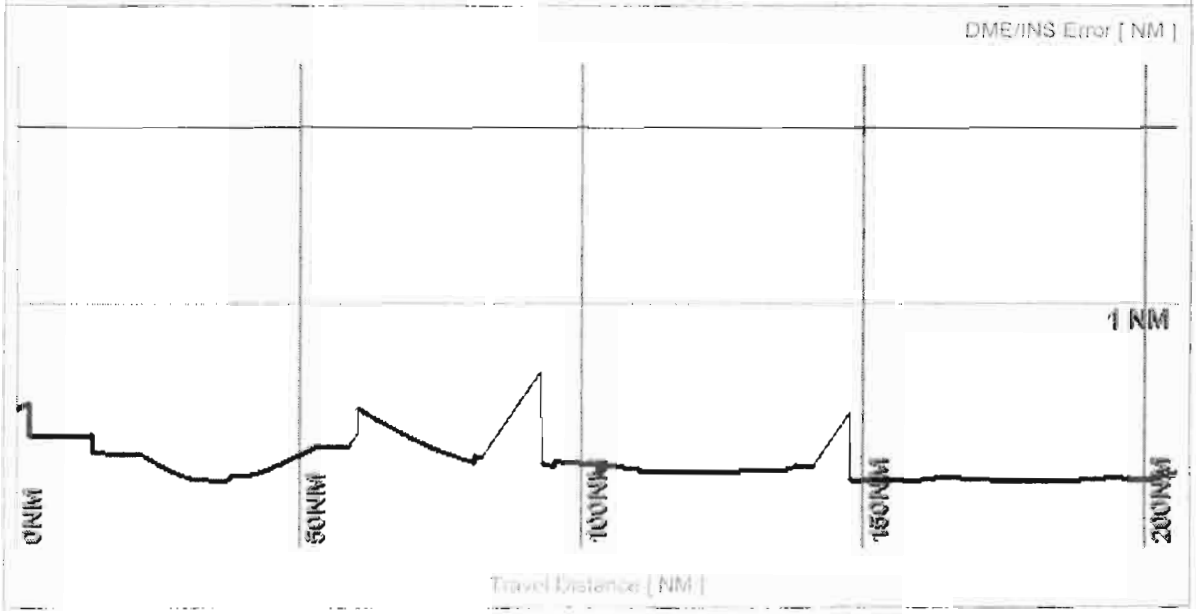
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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
Automatic ESVs: Enabled w/ limit Alt/Distance (Reduce Criticals)

Total Number of DMEs Used: 10

Maximum DME Error: 0.727 NM.

No Critical DMEs were found.

Available DMEs: IIU, BWG, SYI, GQO, BNA, RMG, ATL, VUZ, LGC, PDK, AHN



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	IIU	N 38° 6' 12.47" W 85° 34' 38.77" E 1	H + ESV	User	NO	0.727	Enabled	5.8 %	6.4 %
2	SYI	N 35° 33' 43.12" W 86° 26' 20.95" W 1	L	Database	NO	0.727	Enabled	14.6 %	16.1 %
3	GQO	N 34° 57' 40.54" W 85° 9' 12.14" E 1	H + ESV	User	NO	1.660	Enabled	29.1 %	31.8 %
4	BWG	N 36° 55' 43.47" W 86° 26' 36.36" E 2	H	Database	NO	0.916	Enabled	12.9 %	14.3 %
5	BNA	N 36° 8' 13.06" W 86° 41' 5.18" W 2	H	Database	NO	0.750	Enabled	2.2 %	2.4 %
6	RMG	N 34° 9' 45.22" W 85° 7' 9.83" E 1	H + ESV	User	NO	0.741	Enabled	31.3 %	31.2 %
7	ATL	N 33° 37' 44.65" W 84° 26' 3.89" E 0	H + ESV	User	NO	1.011	Enabled	16.9 %	15.8 %
8	VUZ	N 33° 40' 12.64" W 86° 53' 59.41" E 2	H + ESV	User	NO	0.828	Enabled	21.2 %	21.7 %
9	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H + ESV	User	NO	0.814	Enabled	30.1 %	25.9 %
10	PDK	N 33° 52' 32.27" W 84° 17' 55.73" W 2	L	Database	NO	0.727	Enabled	17.3 %	15.0 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	IIU	SYI	BWG	GQO	BNA	
28.0	RMG	SYI	BWG	GQO	BNA	
75.8	RMG	BNA	GQO			
85.9	RMG	ATL	GQO	VUZ	LGC	
140.5	RMG	LGC	GQO	VUZ		
147.7	RMG	LGC	GQO	PDK	ATL	
157.8	RMG	LGC	ATL	PDK		
160.9	RMG	LGC	ATL	PDK		
177.6	RMG	LGC	ATL	PDK		
185.6	RMG	LGC	PDK			
192.0	RMG	LGC	PDK			
200.4	AHN	LGC	PDK			

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 35° 19' 12.29" W 86° 1' 33.05"	N 35° 17' 52.34" W 86° 0' 29.37"	1.6
	VOR: SYI	Available from N 35° 19' 12.29" W 86° 1' 33.05" to N 35° 17' 52.34" W 86° 0' 29.37"	
	VOR: UXM	Available from N 35° 19' 12.29" W 86° 1' 33.05" to N 35° 17' 52.34" W 86° 0' 29.37"	
2	N 34° 59' 21.69" W 85° 45' 49.30"	N 34° 50' 30.67" W 85° 38' 51.19"	10.5
	VOR: GQO	Available from N 34° 59' 21.69" W 85° 45' 49.30" to N 34° 50' 30.67" W 85° 38' 51.19"	
	VOR: UXM	Available from N 34° 59' 21.69" W 85° 45' 49.30" to N 34° 53' 42.34" W 85° 41' 21.83"	
3	N 34° 12' 53.63" W 85° 9' 34.96"	N 34° 12' 19.88" W 85° 9' 8.95"	0.7
	VOR: RMG	Available from N 34° 12' 53.63" W 85° 9' 34.96" to N 34° 12' 19.88" W 85° 9' 8.95"	
4	N 34° 9' 48.97" W 85° 7' 10.32"	N 34° 5' 14.42" W 85° 1' 19.57"	6.7
	VOR: FTYI	Available from N 34° 9' 48.97" W 85° 7' 10.32" to N 34° 5' 14.42" W 85° 1' 19.57"	
	VOR: RMG	Available from N 34° 9' 48.97" W 85° 7' 10.32" to N 34° 5' 14.42" W 85° 1' 19.57"	
	VOR: PDK	Available from N 34° 6' 30.77" W 85° 2' 58.39" to N 34° 5' 14.42" W 85° 1' 19.57"	

User DMEs

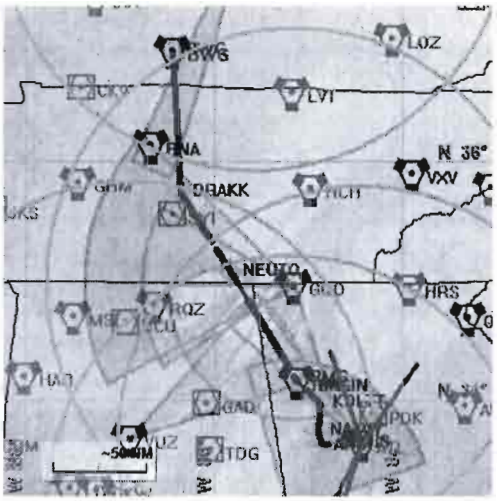
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	RMG	N 34° 9' 45.22" W 85° 7' 9.83" E 1	H	1150.0	115.40	RMG	Used
		ESV: Bearing [True]: 30.0° to 150.0° Bearing [Mag]: 29.0° to 149.0°			Arc Distance: Out to 55.0 NM Altitude: 4000.0 to 14000.0 Ft.		
2	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H	790.0	115.60	LGC	Used
		ESV: Bearing [True]: 343.0° to 70.0° Bearing [Mag]: 342.0° to 69.0°			Arc Distance: Out to 77.0 NM Altitude: 4000.0 to 18000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	MCN	N 32° 41' 28.26" W 83° 38' 49.86" E 1	H	350.0	114.20	MCN	Not Used
		ESV: Bearing [True]: 295.0° to 345.0° Bearing [Mag]: 294.0° to 344.0°			Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 14000.0 Ft.		
4	ATL	N 33° 37' 44.65" W 84° 26' 3.89" E 0	H	1000.2	116.90	ATL	Used
		Restriction: Bearing [True]: 36.0° to 199.0° Bearing [Mag]: 36.0° to 199.0°			Distance: Beyond 0.0 NM Altitude: Below 5000.0 Ft.		
		Restriction: Bearing [True]: 200.0° to 207.0° Bearing [Mag]: 200.0° to 207.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 208.0° to 340.0° Bearing [Mag]: 208.0° to 340.0°			Distance: Beyond 0.0 NM Altitude: Below 5000.0 Ft.		
		Restriction: Bearing [True]: 341.0° to 35.0° Bearing [Mag]: 341.0° to 35.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 311.0° to 324.0° Bearing [Mag]: 311.0° to 324.0°			Arc Distance: Out to 95.0 NM Altitude: 8500.0 to 20000.0 Ft.		
5	GQO	N 34° 57' 40.54" W 85° 9' 12.14" E 1	H	1013.0	115.80	GQO	Used
		ESV: Bearing [True]: 161.0° to 271.0° Bearing [Mag]: 160.0° to 270.0°			Arc Distance: Out to 67.0 NM Altitude: 6500.0 to 18000.0 Ft.		
		ESV: Bearing [True]: 244.0° to 314.0° Bearing [Mag]: 243.0° to 313.0°			Arc Distance: Out to 110.0 NM Altitude: 11000.0 to 24000.0 Ft.		
6	VUZ	N 33° 40' 12.64" W 86° 53' 59.41" E 2	H	750.0	114.40	VUZ	Used
		ESV: Bearing [True]: 42.0° to 72.0° Bearing [Mag]: 40.0° to 70.0°			Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 20000.0 Ft.		
7	MSL	N 34° 42' 24.73" W 87° 29' 29.46" E 1	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]: 45.0° to 98.0° Bearing [Mag]: 44.0° to 97.0°			Arc Distance: Out to 73.0 NM Altitude: 13500.0 to 23000.0 Ft.		
8	IIU	N 38° 6' 12.47" W 85° 34' 38.77" E 1	H	720.0	114.80	IIU	Used
		ESV: Bearing [True]: 198.0° to 207.0° Bearing [Mag]: 197.0° to 206.0°			Arc Distance: Out to 140.0 NM Altitude: 17900.0 to 45000.0 Ft.		



Name:	Dennis Osterhage
Project Name:	KATL RNAV STARS
Output File:	KATL KOLTT1 STAR BWG DFINS 20121009_0853
Procedure Name:	KATL KOLTT1
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	10/9/2012 8:53:13 AM
Input File:	KATL KOLTT1 STAR BWG DFINS 20121009_0835.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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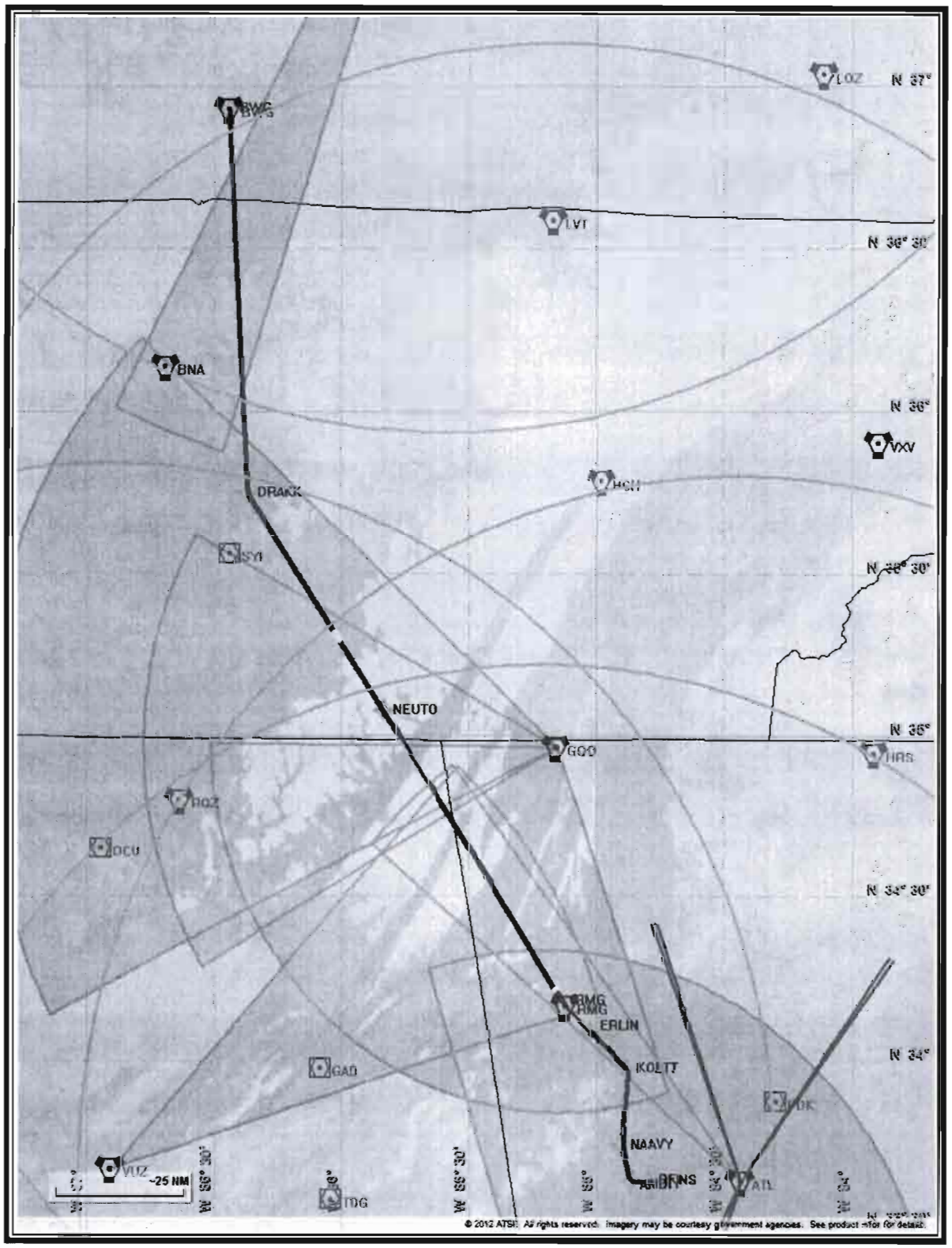
BWG
LOZ
N 37°
LVT
N 36° 30'
BNA
N 36°
VXV
DRAKK
HCH
SYI
N 35° 30'
NEUTO
N 35°
GOO
HRS
RQZ
OCU
N 34° 30'
RMG
ERLIN
KOLTT
N 34°
GAD
DK
NAAVY
DFINS
ATL
VUZ
~25 NM
TDG
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
BWG	WP	N 36° 55' 43.47" W 86° 26' 36.36"	24000.0	Step	280.0	Fly By	TF
DRAKK	WP	N 35° 44' 48.94" W 86° 22' 5.46"	24000.0	Step	280.0	Fly By	TF
NEUTO	WP	N 35° 4' 41.87" W 85° 50' 2.13"	18000.0	Step	240.0	Fly By	TF
RMG	WP	N 34° 9' 45.22" W 85° 7' 9.83"	15000.0	Step	210.0	Fly By	TF
ERLIN	WP	N 34° 5' 13.95" W 85° 1' 18.94"	5000.0	Step	180.0	Fly By	TF
KOLTT	WP	N 33° 58' 23.67" W 84° 52' 31.34"	5000.0	Step	180.0	Fly By	TF
NAAVY	WP	N 33° 44' 21.04" W 84° 53' 50.25"	5000.0	Step	180.0	Fly By	TF
ANDIY	WP	N 33° 37' 51.37" W 84° 51' 46.62"	5000.0	Step	180.0	Fly By	TF
DFINS	WP	N 33° 37' 52.24" W 84° 47' 37.99"	5000.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival
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

Aircraft ALTITUDE at Fly-By WP ERLIN too high.

Aircraft ALTITUDE at Fly-By WP KOLTT too high.

DME/DME

Return To Summary

Settings:

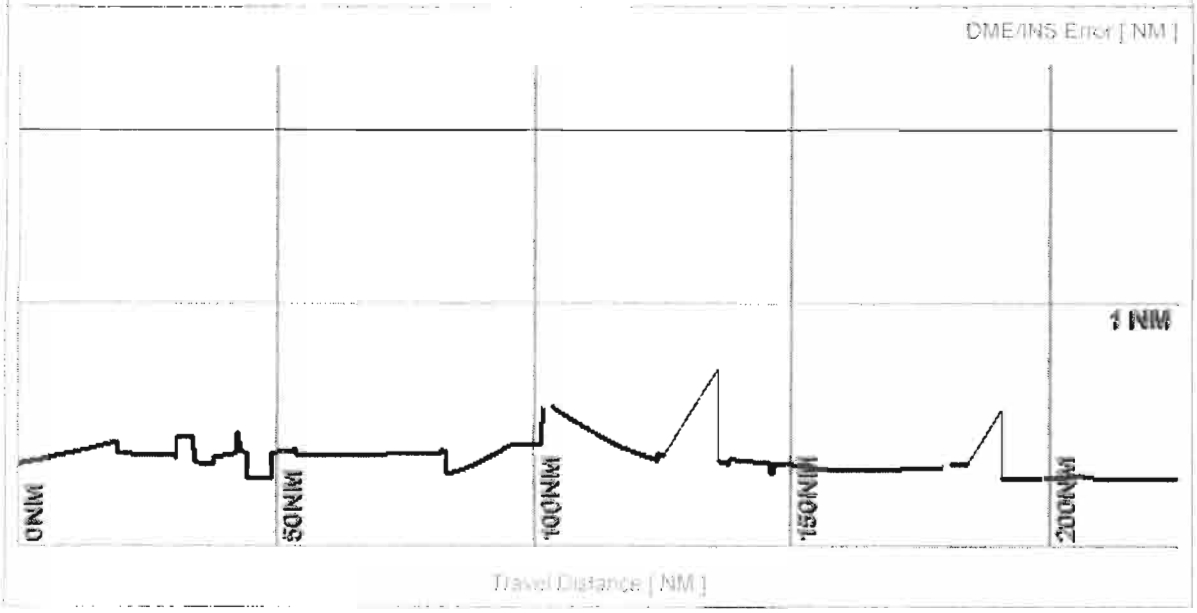
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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

Total Number of DMEs Used: 12

Maximum DME Error: 0.727 NM.

No Critical DMEs were found.

Available DMEs: IIU, BNA, PXV, GQO, BWG, VXV, RMG, VUZ, SYI, ATL, LGC, PDK



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	IIU	N 38° 6' 12.47" W 85° 34' 38.77" E 1	H + ESV	User	NO	0.727	Enabled	9.3 %	12.0 %
2	PXV	N 37° 55' 41.95" W 87° 45' 44.56" E 3	H	Database	NO	0.727	Enabled	11.8 %	15.3 %
3	BNA	N 36° 8' 13.06" W 86° 41' 5.18" W 2	H	Database	NO	0.750	Enabled	10.1 %	12.9 %
4	GQO	N 34° 57' 40.54" W 85° 9' 12.14" E 1	H + ESV	User	NO	1.660	Enabled	18.1 %	17.9 %
5	VXV	N 35° 54' 17.42" W 83° 53' 41.02" W 3	H	Database	NO	0.727	Enabled	13.0 %	15.6 %
6	BWG	N 36° 55' 43.47" W 86° 26' 36.36" E 2	H	Database	NO	0.765	Enabled	21.5 %	24.1 %
7	VUZ	N 33° 40' 12.48" W 86° 53' 59.41" E 2	H + ESV	User	NO	0.828	Enabled	22.5 %	20.7 %
8	SYI	N 35° 33' 43.12" W 86° 26' 20.95" W 1	L	Database	NO	0.727	Enabled	5.8 %	5.8 %
9	RMG	N 34° 9' 45.22" W 85° 7' 9.83" E 1	H	Database	NO	0.741	Enabled	29.1 %	26.5 %
10	ATL	N 33° 37' 44.65" W 84° 26' 3.89" E 0	H + ESV	User	NO	1.011	Enabled	14.1 %	12.1 %
11	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H + ESV	User	NO	0.727	Enabled	14.1 %	10.9 %
12	PDK	N 33° 52' 32.27" W 84° 17' 55.73" W 2	L	Database	NO	0.727	Enabled	13.9 %	10.8 %

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 59' 21.26" W 85° 45' 48.96"	N 34° 50' 30.15" W 85° 38' 50.78"	10.5
	VOR: GQO	Available from N 34° 59' 21.26" W 85° 45' 48.96" to N 34° 50' 30.15" W 85° 38' 50.78"	
	VOR: UXM	Available from N 34° 59' 21.26" W 85° 45' 48.96" to N 34° 53' 41.82" W 85° 41' 21.43"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 34° 9' 48.50" W 85° 7' 9.86"	N 34° 5' 14.01" W 85° 1' 19.03"	6.7
	VOR: FTYI	Available from N 34° 9' 48.50" W 85° 7' 9.86" to N 34° 5' 14.01" W 85° 1' 19.03"	
	VOR: RMG	Available from N 34° 9' 48.50" W 85° 7' 9.86" to N 34° 5' 14.01" W 85° 1' 19.03"	
	VOR: PDK	Available from N 34° 6' 30.36" W 85° 2' 57.85" to N 34° 5' 14.01" W 85° 1' 19.03"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H	790.0	115.60	LGC	Used
		ESV: Bearing [True]: 343.0° to 70.0° Bearing [Mag]: 342.0° to 69.0°			Arc Distance: Out to 77.0 NM Altitude: 4000.0 to 18000.0 Ft.		
2	GQO	N 34° 57' 40.54" W 85° 9' 12.14" E 1	H	1013.0	115.80	GQO	Used
		ESV: Bearing [True]: 240.0° to 300.0° Bearing [Mag]: 239.0° to 299.0°			Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18000.0 Ft.		
		ESV: Bearing [True]: 161.0° to 271.0° Bearing [Mag]: 160.0° to 270.0°			Arc Distance: Out to 67.0 NM Altitude: 6500.0 to 18000.0 Ft.		
		ESV: Bearing [True]: 244.0° to 314.0° Bearing [Mag]: 243.0° to 313.0°			Arc Distance: Out to 110.0 NM Altitude: 11000.0 to 24000.0 Ft.		
3	VUZ	N 33° 40' 12.48" W 86° 53' 59.41" E 2	H	750.0	114.40	VUZ	Used
		ESV: Bearing [True]: 42.0° to 72.0° Bearing [Mag]: 40.0° to 70.0°			Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 20000.0 Ft.		
4	IIU	N 38° 6' 12.47" W 85° 34' 38.77" E 1	H	720.0	114.80	IIU	Used
		ESV: Bearing [True]: 198.0° to 207.0° Bearing [Mag]: 197.0° to 206.0°			Arc Distance: Out to 140.0 NM Altitude: 17900.0 to 45000.0 Ft.		

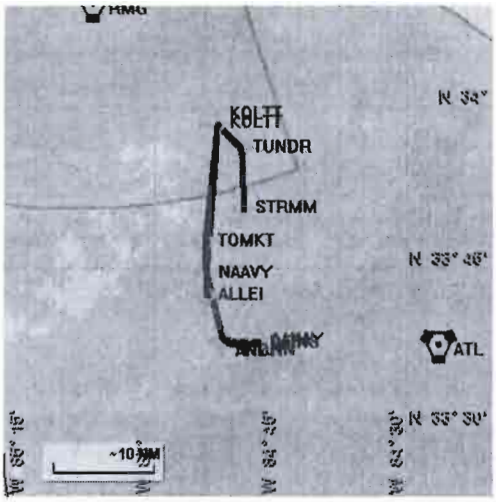
DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	ATL	N 33° 37' 44.65" W 84° 26' 3.89" E 0	H	1000.2	116.90	ATL	Used

Restriction:	Bearing [True]: 36.0° to 199.0° Bearing [Mag]: 36.0° to 199.0°	Distance: Beyond 0.0 NM Altitude: Below 5000.0 Ft.
Restriction:	Bearing [True]: 200.0° to 207.0° Bearing [Mag]: 200.0° to 207.0°	Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.
Restriction:	Bearing [True]: 208.0° to 340.0° Bearing [Mag]: 208.0° to 340.0°	Distance: Beyond 0.0 NM Altitude: Below 5000.0 Ft.
Restriction:	Bearing [True]: 341.0° to 35.0° Bearing [Mag]: 341.0° to 35.0°	Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.
ESV:	Bearing [True]: 311.0° to 324.0° Bearing [Mag]: 311.0° to 324.0°	Arc Distance: Out to 95.0 NM Altitude: 8500.0 to 20000.0 Ft.



Name:	Dennis Osterhage
Project Name:	KATL RNAV STARS
Output File:	KATL KOLTT1 KOLTT AAKAY 20120828_0922
Procedure Name:	KATL KOLTT1
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	8/28/2012 9:22:18 AM
Input File:	KATL KOLTT1 STAR KOLTT AAKAY 20120828_0853.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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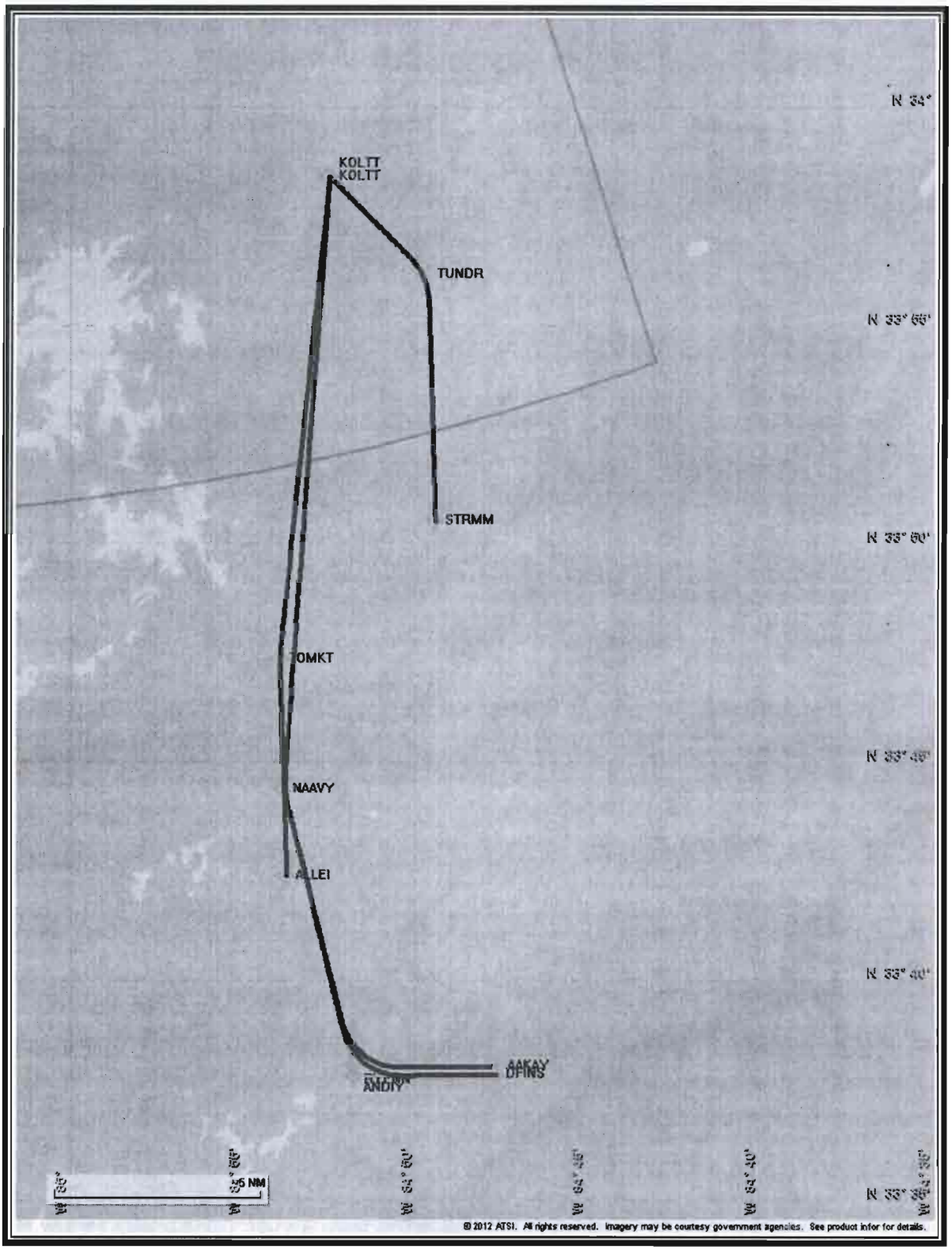
KOLTT
KOLTT
TUNDR
STRMM
OMKT
NAAVY
ALLEI
AAKAY
DFINS
ANDIY
5 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
KOLTT	WP	N 33° 58' 23.67" W 84° 52' 31.34"	5000.0	Step	180.0	Fly By	TF
NAAVY	WP	N 33° 44' 21.04" W 84° 53' 50.25"	5000.0	Step	180.0	Fly By	TF
RYENN	WP	N 33° 38' 2.21" W 84° 51' 47.39"	5000.0	Step	180.0	Fly By	TF
AAKAY	WP	N 33° 38' 3.02" W 84° 47' 35.88"	5000.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type:
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:

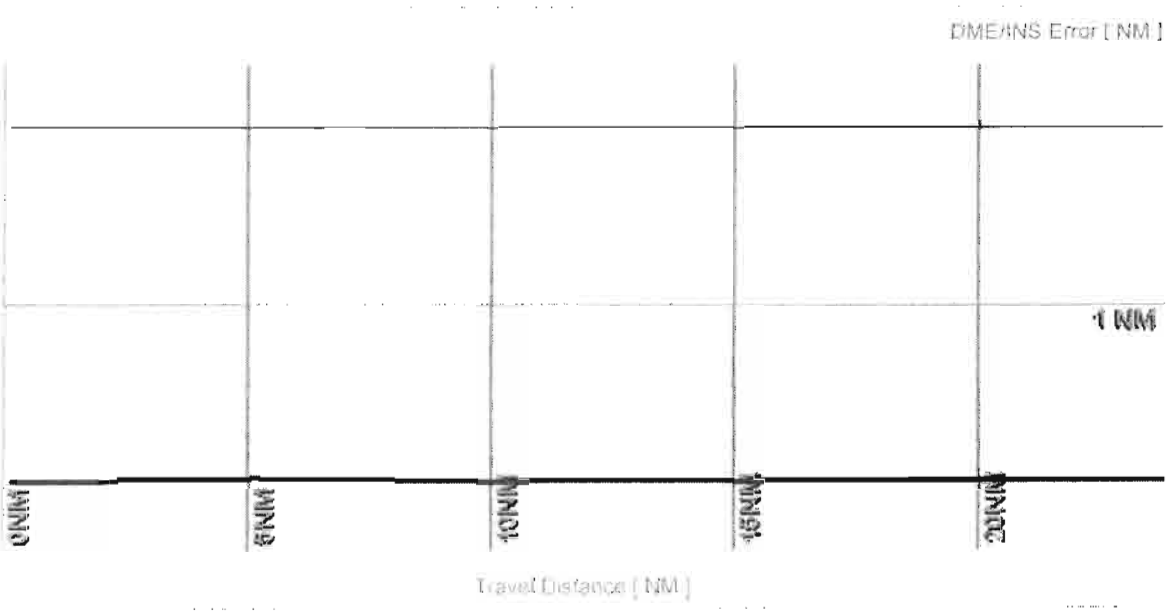
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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: 4

Maximum DME Error: 0.291 NM.

No Critical DMEs were found.

Available DMEs: LGC, PDK, RMG, ATL



DME/DME (Continued.)

Return To Summary

DMEs Used

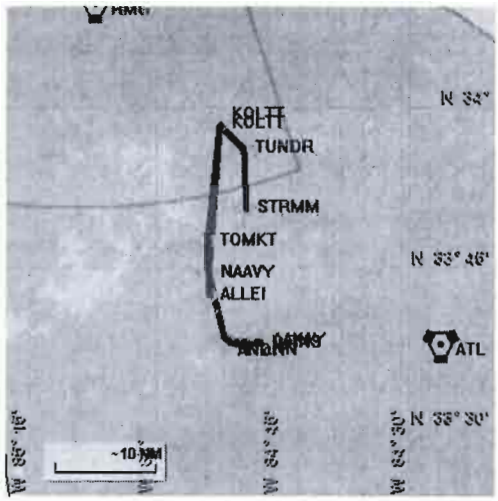
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H + ESV	User	NO	0.558	Enabled	61.9 %	61.8 %
2	PDK	N 33° 52' 32.27" W 84° 17' 55.73" W 2	L	Database	NO	0.316	Enabled	59.6 %	59.5 %
3	ATL	N 33° 37' 42.68" W 84° 26' 6.26" W 0	H	Database	NO	0.306	Enabled	40.4 %	40.5 %
4	RMG	N 34° 9' 45.22" W 85° 7' 9.83" E 1	H	Database	NO	0.321	Enabled	38.1 %	38.2 %

Flight Check DME Selection

Distance [NM]	Selected DMEs				Alternate
0.0	LGC	PDK	ATL	RMG	
13.6	LGC	PDK	ATL	RMG	
19.4	LGC	PDK	ATL	RMG	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H	790.0	115.60	LGC	Used
		ESV: Bearing [True]: 343.0° to 70.0° Bearing [Mag]: 342.0° to 69.0°			Arc Distance: Out to 77.0 NM Altitude: 4000.0 to 18000.0 Ft.		
2	GQO	N 34° 57' 40.54" W 85° 9' 12.14" E 1	H	1013.0	115.80	GQO	Not Used
		ESV: Bearing [True]: 161.0° to 271.0° Bearing [Mag]: 160.0° to 270.0°			Arc Distance: Out to 67.0 NM Altitude: 6500.0 to 18000.0 Ft.		



Name:	Dennis Osterhage
Project Name:	KATL RNAV STARS
Output File:	KATL KOLTT1 KOLTT ALLEI 20120828_0926
Procedure Name:	KATL KOLTT1
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	8/28/2012 9:26:13 AM
Input File:	KATL KOLTT1 STAR KOLTT ALLEI 20120828_0854.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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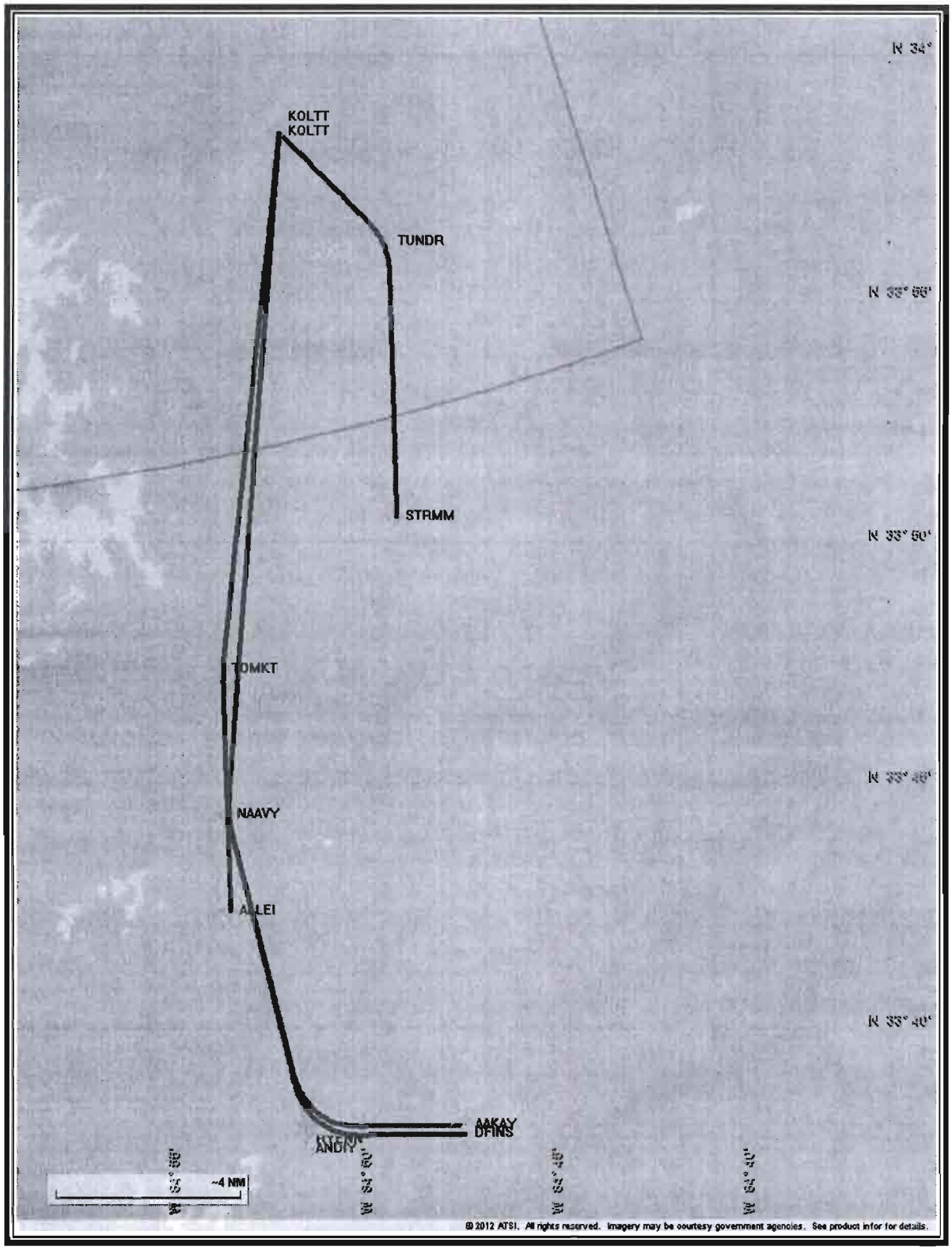
N 34°
KOLTT
KOLTT
TUNDR
N 33° 55'
STRMM
N 33° 50'
TOMKT
N 33° 45'
NAAVY
ALLEI
N 33° 40'
AAKAY
DFINS
ANDY
~4 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
KOLTT	WP	N 33° 58' 23.67" W 84° 52' 31.34"	5000.0	Step	180.0	Fly By	TF
TOMKT	WP	N 33° 47' 21.28" W 84° 53' 57.76"	5000.0	Step	180.0	Fly By	TF
ALLEI	WP	N 33° 42' 20.74" W 84° 53' 45.20"	5000.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type:
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:

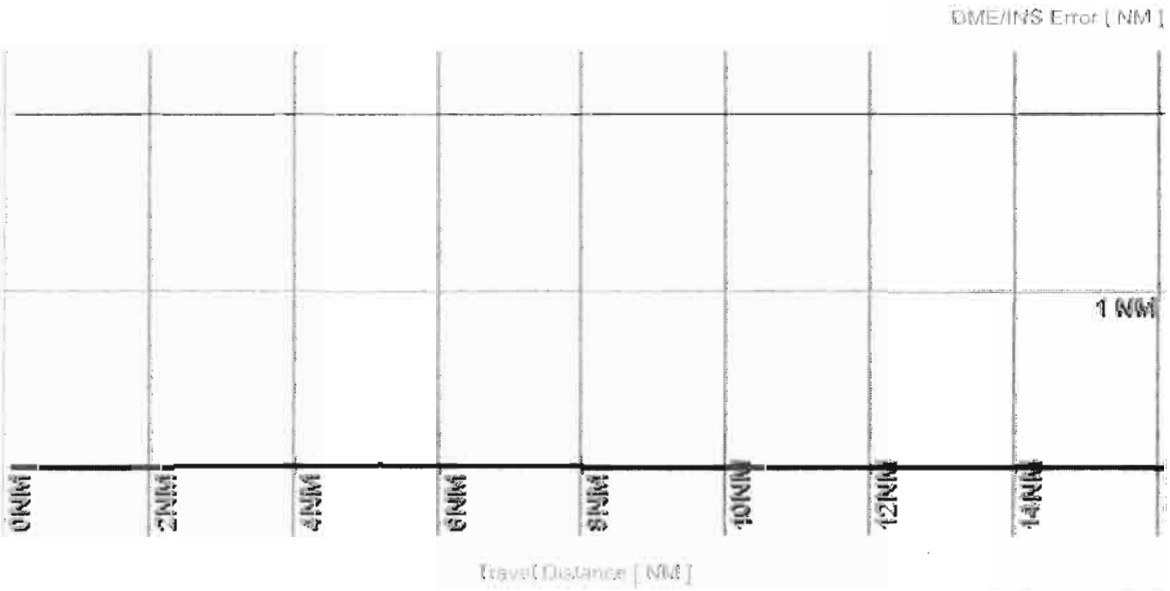
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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: 4

Maximum DME Error: 0.291 NM.

No Critical DMEs were found.

Available DMEs: LGC, PDK, RMG, ATL



DME/DME (Continued.)

Return To Summary

DMEs Used

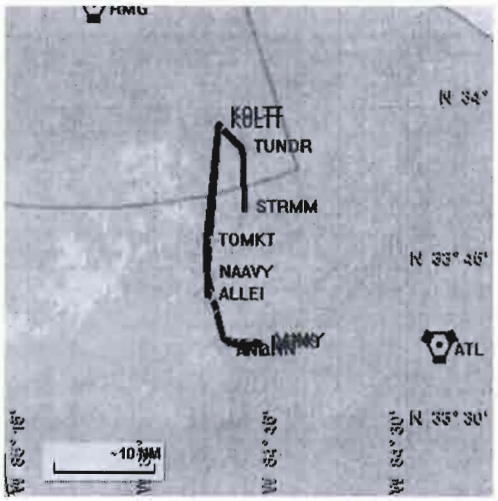
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H + ESV	User	NO	0.558	Enabled	91.4 %	91.3 %
2	PDK	N 33° 52' 32.27" W 84° 17' 55.73" W 2	L	Database	NO	0.311	Enabled	40.7 %	40.5 %
3	ATL	N 33° 37' 42.68" W 84° 26' 6.26" W 0	H	Database	NO	0.305	Enabled	59.3 %	59.5 %
4	RMG	N 34° 9' 45.22" W 85° 7' 9.83" E 1	H	Database	NO	0.291	Enabled	8.6 %	8.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs				Alternate
0.0	LGC	PDK	ATL	RMG	
10.8	LGC	PDK	ATL	RMG	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H	790.0	115.60	LGC	Used
		ESV: Bearing [True]: 343.0° to 70.0° Bearing [Mag]: 342.0° to 69.0°			Arc Distance: Out to 77.0 NM Altitude: 4000.0 to 18000.0 Ft.		
2	GQO	N 34° 57' 40.54" W 85° 9' 12.14" E 1	H	1013.0	115.80	GQO	Not Used
		ESV: Bearing [True]: 161.0° to 271.0° Bearing [Mag]: 160.0° to 270.0°			Arc Distance: Out to 67.0 NM Altitude: 6500.0 to 18000.0 Ft.		



Name:	Dennis Osterhage
Project Name:	KATL RNAV STARS
Output File:	KATL KOLTT1 KOLTT STRMM 20120828_0920
Procedure Name:	KATL KOLTT1
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	8/28/2012 9:20:15 AM
Input File:	KATL KOLTT1 STAR KOLTT STRMM 20120828_0850.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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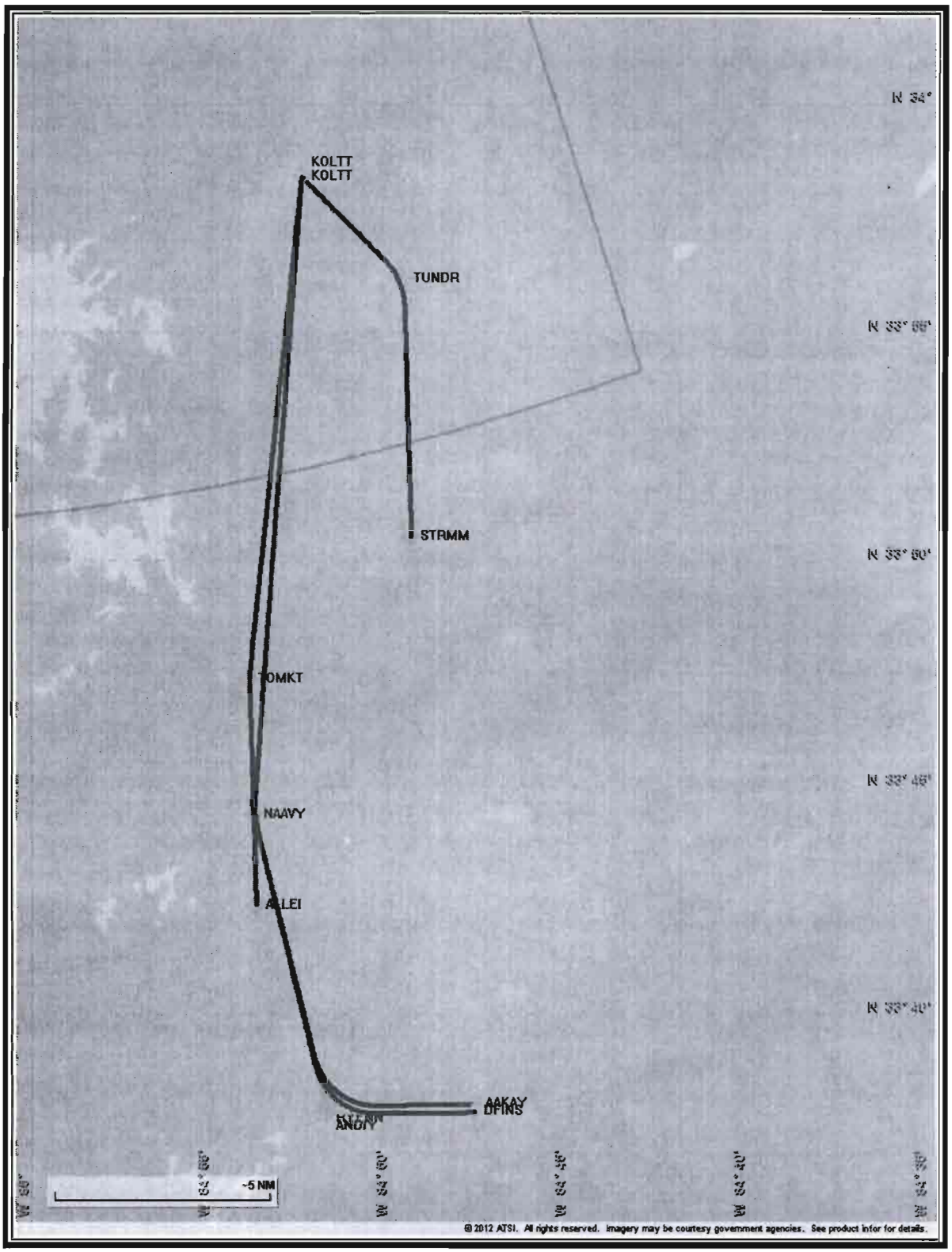

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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
KOLTT	WP	N 33° 58' 23.67" W 84° 52' 31.34"	5000.0	Step	180.0	Fly By	TF
TUNDR	WP	N 33° 56' 9.14" W 84° 49' 38.82"	5000.0	Step	180.0	Fly By	TF
STRMM	WP	N 33° 50' 30.85" W 84° 49' 24.64"	5000.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type:
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:

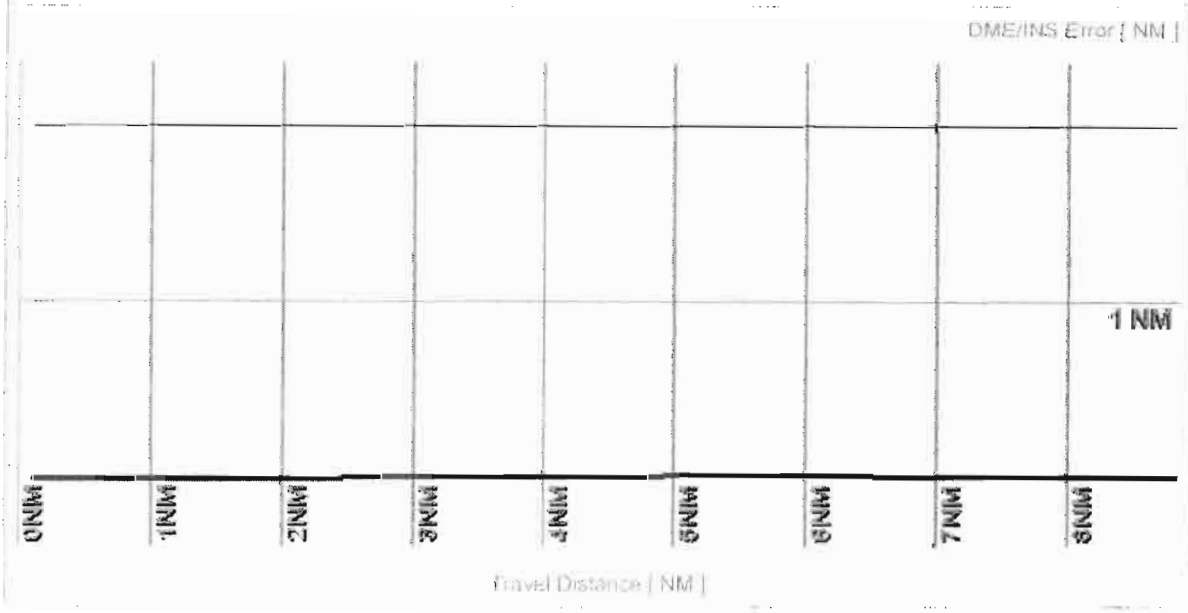
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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: 3

Maximum DME Error: 0.294 NM.

No Critical DMEs were found.

Available DMEs: LGC, PDK, RMG, ATL



DME/DME (Continued.)

Return To Summary

DMEs Used

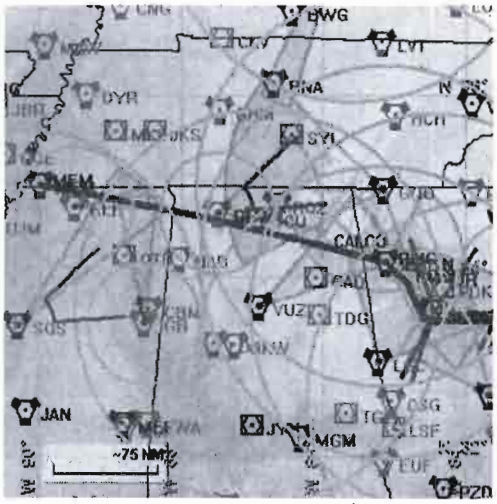
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H + ESV	User	NO	0.558	Enabled	100.0 %	100.0 %
2	PDK	N 33° 52' 32.27" W 84° 17' 55.73" W 2	L	Database	NO	0.311	Enabled	63.8 %	63.5 %
3	ATL	N 33° 37' 42.68" W 84° 26' 6.26" W 0	H	Database	NO	0.312	Enabled	36.3 %	36.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs				Alternate
0.0	LGC	PDK	RMG	ATL	
2.6	LGC	PDK	RMG	ATL	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H	790.0	115.60	LGC	Used
		ESV: Bearing [True]: 343.0° to 70.0° Bearing [Mag]: 342.0° to 69.0°			Arc Distance: Out to 77.0 NM Altitude: 4000.0 to 18000.0 Ft.		
2	GQO	N 34° 57' 40.54" W 85° 9' 12.14" E 1	H	1013.0	115.80	GQO	Not Used
		ESV: Bearing [True]: 161.0° to 271.0° Bearing [Mag]: 160.0° to 270.0°			Arc Distance: Out to 67.0 NM Altitude: 6500.0 to 18000.0 Ft.		



Name:	Dennis Osterhage
Project Name:	KATL RNAV STARS
Output File:	KATL KOLTT1 STAR MEM TAAMY 20120828_0847
Procedure Name:	KATL KOLTT1
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	8/28/2012 8:47:14 AM
Input File:	KATL KOLTT1 STAR MEM TAAMY 20120828_0811.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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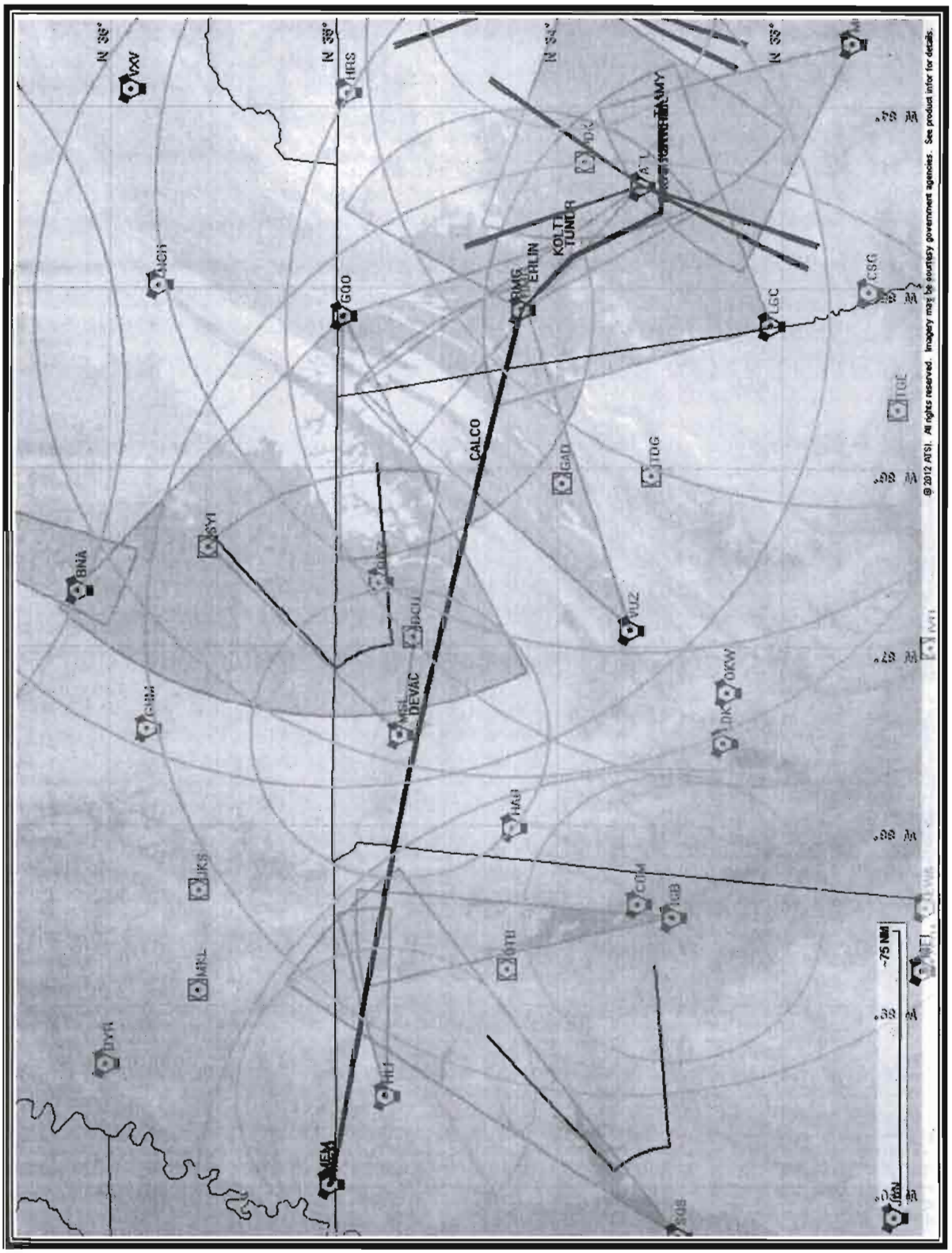
N 36°
N 35°
N 34°
N 33°
W 94°
W 93°
W 92°
W 91°
W 90°
W 89°
W 88°
W 87°
W 86°
W 85°
W 84°
KXV
HRS
MCH
GOO
RMG
ERLIN
KOLTT
TUNDR
ATL
TAAMY
LGC
CSG
TOE
BNA
SYI
GAD
TDG
WUZ
OKW
DK
DCU
DEVAC
MSL
HAB
CDM
IGB
GTU
HUT
MEM
MRL
UKS
GUM
DYR
SGS
~75 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
MEM	WP	N 35° 0' 54.42" W 89° 58' 59.55"	19000.0	Step	240.0	Fly By	TF
DEVAC	WP	N 34° 37' 5.09" W 87° 26' 6.60"	19000.0	Step	240.0	Fly By	TF
CALCO	WP	N 34° 20' 42.91" W 86° 1' 9.72"	15000.0	Step	210.0	Fly By	TF
RMG	WP	N 34° 9' 45.22" W 85° 7' 9.83"	15000.0	Step	210.0	Fly By	TF
ERLIN	WP	N 34° 5' 13.95" W 85° 1' 18.94"	5000.0	Step	180.0	Fly By	TF
KOLTT	WP	N 33° 58' 23.67" W 84° 52' 31.34"	5000.0	Step	180.0	Fly By	TF
TUNDR	WP	N 33° 56' 9.14" W 84° 49' 38.82"	5000.0	Step	180.0	Fly By	TF
EAGYL	WP	N 33° 32' 12.45" W 84° 35' 4.50"	4000.0	Step	180.0	Fly By	TF
SHURT	WP	N 33° 32' 12.63" W 84° 25' 49.73"	4000.0	Step	180.0	Fly By	TF
SWETE	WP	N 33° 32' 12.81" W 84° 18' 27.09"	4000.0	Step	180.0	Fly By	TF
KRRIS	WP	N 33° 32' 13.06" W 84° 12' 24.94"	3000.0	Step	180.0	Fly By	TF
TAAMY	WP	N 33° 32' 13.34" W 84° 6' 26.04"	3000.0	Step	180.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **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
Aircraft ALTITUDE at Fly-By WP ERLIN too high. Aircraft ALTITUDE at Fly-By WP KOLTT too high.	

DME/DME

Return To Summary

Settings:

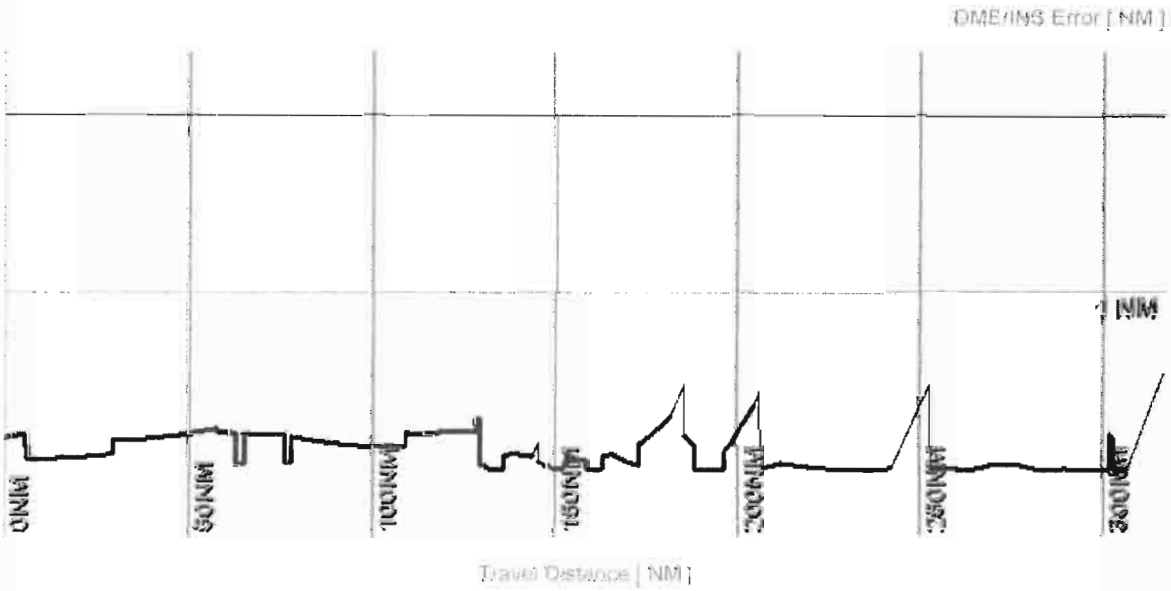
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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
Automatic ESVs: Enabled w/ limit Alt/Distance (Reduce Criticals)

Total Number of DMEs Used: 17

Maximum DME Error: 0.677 NM.

No Critical DMEs were found.

Available DMEs: SQS, ARG, LIT, MEM, VUZ, HLI, IGB, BNA, MSL, DCU, RQZ, GQO, GAD, RMG, LGC, PDK, ATL, MCN



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	SQS	N 33° 27' 49.86" W 90° 16' 38.46" E 3	H + ESV	User	NO	1.669	Enabled	21.5 %	23.4 %
2	LIT	N 34° 40' 39.62" W 92° 10' 49.90" E 5	H	Database	NO	0.677	Enabled	1.7 %	1.8 %
3	MEM	N 35° 0' 54.42" W 89° 58' 59.55" E 1	H	Database	NO	0.677	Enabled	13.1 %	14.3 %
4	ARG	N 36° 6' 36.07" W 90° 57' 13.30" E 4	H	Database	NO	0.677	Enabled	8.0 %	8.8 %
5	VUZ	N 33° 40' 12.48" W 86° 53' 59.41" E 2	H + ESV	User	NO	0.677	Enabled	17.8 %	19.1 %
6	IGB	N 33° 29' 7.69" W 88° 30' 49.00" E 4	L + ESV	User	NO	0.677	Enabled	1.1 %	1.2 %
7	HLI	N 34° 46' 12.88" W 89° 29' 47.47" E 3	L + ESV	User	NO	0.677	Enabled	0.6 %	0.6 %
8	BNA	N 36° 8' 13.06" W 86° 41' 5.18" W 2	H	Database	NO	0.677	Enabled	14.5 %	15.8 %
9	DCU	N 34° 38' 53.94" W 86° 56' 22.29" W 1	L	Database	NO	0.800	Enabled	9.1 %	9.2 %
10	RQZ	N 34° 47' 50.06" W 86° 38' 1.85" E 2	L	Database	NO	0.716	Enabled	13.0 %	13.1 %
11	MSL	N 34° 42' 24.73" W 87° 29' 29.46" E 1	L + ESV	User	NO	0.728	Enabled	6.4 %	6.5 %
12	GQO	N 34° 57' 40.54" W 85° 9' 12.14" E 1	H + ESV	User	NO	0.677	Enabled	18.1 %	18.2 %
13	GAD	N 33° 58' 35.05" W 86° 5' 0.81" E 2	L	Database	NO	0.677	Enabled	5.1 %	5.2 %
14	RMG	N 34° 9' 45.22" W 85° 7' 9.83" E 1	H + ESV	User	NO	1.342	Enabled	23.3 %	21.5 %
15	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H + ESV	User	NO	0.890	Enabled	15.9 %	13.4 %

DME/DME (Continued.)

Return To Summary

DMEs Used (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
16	PDK	N 33° 52' 32.27" W 84° 17' 55.73" W 2	L	Database	NO	0.677	Enabled	11.0 %	9.4 %
17	MCN	N 32° 41' 28.26" W 83° 38' 49.86" E 1	H + ESV	User	NO	0.733	Enabled	1.3 %	1.1 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	SQS	LIT	MEM	ARG		
47.5	SQS	VUZ	HLI	ARG	IGB	MEM
64.5	SQS	VUZ	BNA	MEM	IGB	
128.0	MSL	VUZ	RQZ	MEM	DCU	BNA
138.8	MSL	GQO	RQZ	DCU		
172.0	GAD	GQO	RQZ	DCU	VUZ	
200.2	GAD	GQO	LGC	RMG	VUZ	
245.5	RMG	GQO	LGC			
252.9	RMG	GQO	LGC	PDK	ATL	
262.9	RMG	ATL	LGC	PDK		
265.7	RMG	ATL	LGC	PDK		
291.9	RMG	PDK	LGC			
300.5	RMG	PDK	LGC	MCN		
306.7	MCN	PDK	LGC			
311.7	PDK					

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 33' 33.01" W 87° 7' 15.20"	N 34° 33' 11.54" W 87° 5' 21.91"	1.6
	VOR: DCU	Available from N 34° 33' 33.01" W 87° 7' 15.20" to N 34° 33' 11.54" W 87° 5' 21.91"	
	VOR: MSL	Available from N 34° 33' 33.01" W 87° 7' 15.20" to N 34° 33' 11.54" W 87° 5' 21.91"	
	VOR: RQZ	Available from N 34° 33' 33.01" W 87° 7' 15.20" to N 34° 33' 11.54" W 87° 5' 21.91"	
2	N 34° 24' 56.55" W 86° 22' 33.39"	N 34° 24' 2.99" W 86° 18' 0.54"	3.9
	VOR: DCU	Available from N 34° 24' 56.55" W 86° 22' 33.39" to N 34° 24' 2.99" W 86° 18' 0.54"	
	VOR: GAD	Available from N 34° 24' 56.55" W 86° 22' 33.39" to N 34° 24' 2.99" W 86° 18' 0.54"	
	VOR: RQZ	Available from N 34° 24' 56.55" W 86° 22' 33.39" to N 34° 24' 2.99" W 86° 18' 0.54"	
3	N 34° 19' 38.31" W 85° 55' 45.92"	N 34° 19' 14.88" W 85° 53' 48.52"	1.7
	VOR: GAD	Available from N 34° 19' 38.31" W 85° 55' 45.92" to N 34° 19' 14.88" W 85° 53' 48.52"	
	VOR: RMG	Available from N 34° 19' 16.76" W 85° 53' 57.92" to N 34° 19' 14.88" W 85° 53' 48.52"	
4	N 34° 10' 38.68" W 85° 11' 28.15"	N 34° 5' 14.52" W 85° 1' 19.67"	10.3
	VOR: RMG	Available from N 34° 10' 38.68" W 85° 11' 28.15" to N 34° 5' 14.52" W 85° 1' 19.67"	
	VOR: FTYI	Available from N 34° 10' 21.28" W 85° 10' 3.94" to N 34° 5' 14.52" W 85° 1' 19.67"	
	VOR: PDK	Available from N 34° 6' 30.98" W 85° 2' 58.37" to N 34° 5' 14.52" W 85° 1' 19.67"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
5	N 33° 32' 12.81" W 84° 18' 19.60"	N 33° 32' 13.34" W 84° 6' 29.78"	9.9
	VOR: ATL	Available from N 33° 32' 12.81" W 84° 18' 19.60" to N 33° 32' 13.34" W 84° 6' 29.78"	
	VOR: FTYI	Available from N 33° 32' 12.81" W 84° 18' 19.60" to N 33° 32' 13.34" W 84° 6' 29.78"	
	VOR: PDK	Available from N 33° 32' 12.81" W 84° 18' 19.60" to N 33° 32' 13.34" W 84° 6' 29.78"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	RMG	N 34° 9' 45.22" W 85° 7' 9.83" E 1	H	1150.0	115.40	RMG	Used
		ESV: Bearing [True]: 30.0° to 150.0° Bearing [Mag]: 29.0° to 149.0°			Arc Distance: Out to 55.0 NM Altitude: 4000.0 to 14000.0 Ft.		
2	LGC	N 33° 2' 56.83" W 85° 12' 22.40" E 1	H	790.0	115.60	LGC	Used
		ESV: Bearing [True]: 343.0° to 70.0° Bearing [Mag]: 342.0° to 69.0°			Arc Distance: Out to 77.0 NM Altitude: 4000.0 to 18000.0 Ft.		
3	MCN	N 32° 41' 28.26" W 83° 38' 49.86" E 1	H	350.0	114.20	MCN	Used
		ESV: Bearing [True]: 295.0° to 345.0° Bearing [Mag]: 294.0° to 344.0°			Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 14000.0 Ft.		
4	ATL	N 33° 37' 44.65" W 84° 26' 3.89" E 0	H	1000.2	116.90	ATL	Not Used
		Restriction: Bearing [True]: 36.0° to 199.0° Bearing [Mag]: 36.0° to 199.0°			Distance: Beyond 0.0 NM Altitude: Below 5000.0 Ft.		
		Restriction: Bearing [True]: 200.0° to 207.0° Bearing [Mag]: 200.0° to 207.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 208.0° to 340.0° Bearing [Mag]: 208.0° to 340.0°			Distance: Beyond 0.0 NM Altitude: Below 5000.0 Ft.		
		Restriction: Bearing [True]: 341.0° to 35.0° Bearing [Mag]: 341.0° to 35.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 311.0° to 324.0° Bearing [Mag]: 311.0° to 324.0°			Arc Distance: Out to 95.0 NM Altitude: 8500.0 to 20000.0 Ft.		
5	GQO	N 34° 57' 40.54" W 85° 9' 12.14" E 1	H	1013.0	115.80	GQO	Used
		ESV: Bearing [True]: 161.0° to 271.0° Bearing [Mag]: 160.0° to 270.0°			Arc Distance: Out to 67.0 NM Altitude: 6500.0 to 18000.0 Ft.		
		ESV: Bearing [True]: 244.0° to 314.0° Bearing [Mag]: 243.0° to 313.0°			Arc Distance: Out to 110.0 NM Altitude: 11000.0 to 24000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
6	VUZ	N 33° 40' 12.48" W 86° 53' 59.41" E 2	H	750.0	114.40	VUZ	Used
		ESV: Bearing [True]: 42.0° to 72.0° Bearing [Mag]: 40.0° to 70.0°			Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 20000.0 Ft.		
7	MSL	N 34° 42' 24.73" W 87° 29' 29.46" E 1	L	579.7	116.50	MSL	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]: 45.0° to 98.0° Bearing [Mag]: 44.0° to 97.0°			Arc Distance: Out to 73.0 NM Altitude: 13500.0 to 23000.0 Ft.		
8	IIU	N 38° 6' 12.47" W 85° 34' 38.77" E 1	H	720.0	114.80	IIU	Not Used
		ESV: Bearing [True]: 198.0° to 207.0° Bearing [Mag]: 197.0° to 206.0°			Arc Distance: Out to 140.0 NM Altitude: 17900.0 to 45000.0 Ft.		
9	AHN	N 33° 56' 51.34" W 83° 19' 29.13" E 0	L	790.0	109.60	AHN	Not Used
		Restriction: Bearing [True]: 36.0° to 199.0° Bearing [Mag]: 36.0° to 199.0°			Distance: Beyond 0.0 NM Altitude: Below 5000.0 Ft.		
		Restriction: Bearing [True]: 200.0° to 207.0° Bearing [Mag]: 200.0° to 207.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 208.0° to 340.0° Bearing [Mag]: 208.0° to 340.0°			Distance: Beyond 0.0 NM Altitude: Below 5000.0 Ft.		
		Restriction: Bearing [True]: 341.0° to 35.0° Bearing [Mag]: 341.0° to 35.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 215.0° to 290.0° Bearing [Mag]: 215.0° to 290.0°			Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 14000.0 Ft.		
10	IGB	N 33° 29' 7.69" W 88° 30' 49.00" E 4	L	240.1	116.20	IGB	Used
		ESV: Bearing [True]: 347.0° to 5.0° Bearing [Mag]: 343.0° to 1.0°			Arc Distance: Out to 85.0 NM Altitude: 18000.0 to 24000.0 Ft.		
11	SQS	N 33° 27' 49.86" W 90° 16' 38.46" E 3	H	125.0	114.70	SQS	Used
		Restriction: Bearing [True]: 47.0° to 85.0° Bearing [Mag]: 44.0° to 82.0°			Distance: Beyond 25.0 NM Altitude: Below 2000.0 Ft.		
		ESV: Bearing [True]: 33.0° to 53.0° Bearing [Mag]: 30.0° to 50.0°			Arc Distance: Out to 126.0 NM Altitude: 15000.0 to 24000.0 Ft.		
12	HLI	N 34° 46' 12.88" W 89° 29' 47.47" E 3	L	630.0	112.40	HLI	Used
		ESV: Bearing [True]: 75.0° to 91.0° Bearing [Mag]: 72.0° to 88.0°			Arc Distance: Out to 51.0 NM Altitude: 13000.0 to 23000.0 Ft.		