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 /	(d) To RNAV WP / FIX / NAVAID	(e) Mag Course / Distance	(f) MEA	(g)	(h) MAA	(i) Crossing Altitudes / Fixes
MONTEBELLO	MOL.FLCON8	MOL VOR/DME	JOINN	232.89/78.34	FL180			
		JOINN	AVERY	232.15/104.81	FL180			
		AVERY	BEBAD	231.22/54.40	FL180			
		BEBAD	ODF VORTAC	230.75/42.00	FL180			
SNOWBIRD	SOT.FLCON8	SOT VORTAC	ODF VORTAC	195.49/66.65	15000			
SPARTANBURG	SPA.FLCON8	SPA VORTAC	ODF VORTAC	258.75/70.63	15000			

(2) Arrival Route Description: FROM OVER ODF VORTAC ON TRACK 221.85/29.00 TO FLCON (MEA 5000), THEN ON TRACK 221.55/16.75 NM TO DIRTY (MEA 5000), THEN ON TRACK 226.81/11.01 NM TO BYRDS (MEA 5000), THEN ON TRACK 226.54/7.93 NM TO COSEL (MEA 5000), THEN ON TRACK 215.08/8.06 NM TO WORFF (MEA 5000). THENCE ON ASSIGNED RUNWAY TRANSITION.

LANDING EAST RWY 8R/8L: FROM OVER WORFF ON TRACK 275.19/8.45 NM TO DOEVR (MEA 5000), THEN ON TRACK 274.90/10.75 NM TO NOFIV (MEA 5000), THEN ON TRACK 275.32/9.28 NM TO NOTRE (MEA 5000), THEN ON TRACK 274.85/4.89 NM TO WOTBA (MEA 5000), THEN ON HEADING 275.19/5.00 NM (MEA 5000).
Continued on block 16...

(3) Procedural Data Notes: CHART NOTES: DME/DME/IRU OR GPS REQUIRED. RNAV 1. RADAR REQUIRED.
THIS STAR APPLICABLE TO TURBOJET AIRCRAFT ONLY.
LANDING EAST: EXPECT TO CROSS DIRTY AT 14000.
LANDING WEST: EXPECT TO CROSS DIRTY AT 12000/250 KTS.
LANDING WEST: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER COSEL.
LANDING EAST RWY 8L/8R: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER WOTBA.
LANDING EAST RWY 10/9L/9R: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER HESPI.

(4) Fixes and/or Holding Patterns: CHART HOLDING AT; AVERY: HOLD NE, RT, 232.15 INBOUND, 15 NM LEGS. BEBAD: HOLD NE, RT, 231.22 INBOUND, 15 NM LEGS. ODF VORTAC: HOLD NE, LT, 230.75 INBOUND, 15 NM LEGS. DIRTY: HOLD NE, RT, 221.55 INBOUND, 15 NM LEGS. FLCON: HOLD NE, RT, 221.85 INBOUND, 15 NM LEGS.
CHART ATL VORTAC, IGEBE.

(5) Communications: ATLANTA APP CON, ARR ATIS

QUALITY CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	30 JUN 2011	

(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: WEST OPERATION: AT COSEL TRACK TO IGEBE, FLY HEADING 180, MAINTAIN 5000; INTERCEPT AND EXECUTE ILS OR LOC RWY 26R APPROACH. IF UNABLE, PROCEED TO ATL VORTAC AND HOLD, MAINTAIN 5000.

EAST OPERATION: AT WOTBA FLY HEADING 180, MAINTAIN 5000; INTERCEPT AND EXECUTE ILS OR LOC RWY 8L APPROACH. IF UNABLE, PROCEED TO ATL VORTAC AND HOLD, MAINTAIN 5000.

(14) Remarks:

(15) Additional Flight Data: REFERENCE MAG VAR: KATL 05W/2015.
DME/DME ASSESSMENT: SAT (RNP 2.0).

QUALITY 3 CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	30 JUN 2011	

(16) Continuation:

(2) Arrival Route Description:
EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING EAST RWY 10/9R/9L: FROM OVER WORFF ON TRACK 214.78/12.79 NM TO BOJAA (MEA 4000), THEN ON TRACK 275.10/12.01 NM TO FOGOG (MEA 4000), THEN ON TRACK 275.29/10.17 NM TO SOTRE (MEA 4000), THEN ON TRACK 275.12/5.28 NM TO HESPI (MEA 4000), THEN ON HEADING 275.12/5.00 NM (MEA 4000). EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING WEST RWY 26L/26R/27L/27R/28: FROM OVER WORFF ON TRACK 275.19/8.45 NM TO DOEVR (MEA 5000), THEN ON TRACK 274.90/10.75 NM TO NOFIV (MEA 5000), THEN ON TRACK 275.32/9.28 NM TO NOTRE (MEA 5000), THEN ON TRACK 274.85/4.89 NM TO WOTBA (MEA 5000), THEN ON HEADING 275.19/5.00 NM (MEA 5000). EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER COSEL (MEA 5,000).

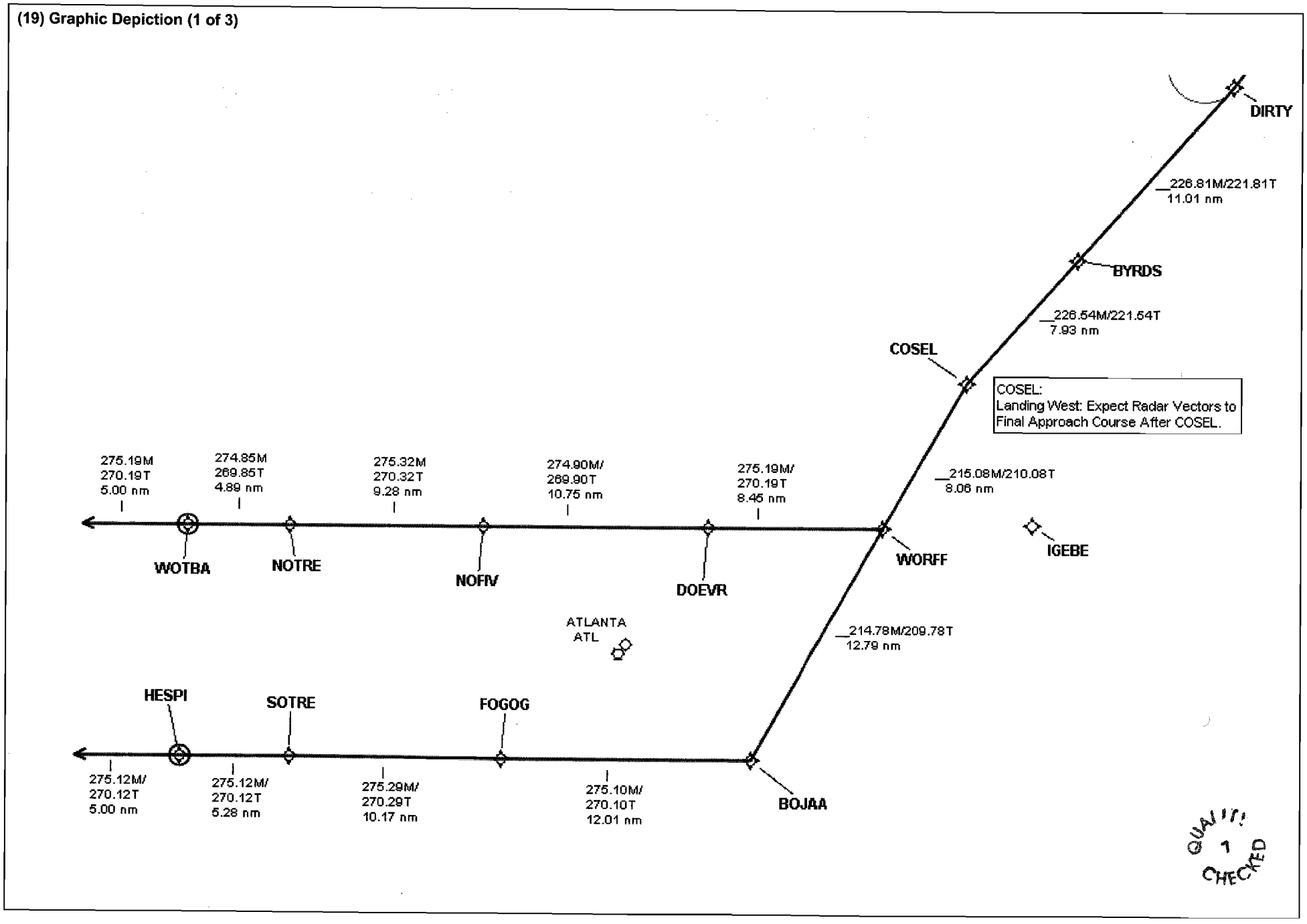
(17) Changes: 1. MAGNETIC TRACK HEADINGS CHANGED.

(18) Reasons for Changes: 1. AIRPORT MAGNETIC VARIATION CHANGED FROM 2W TO 5W.

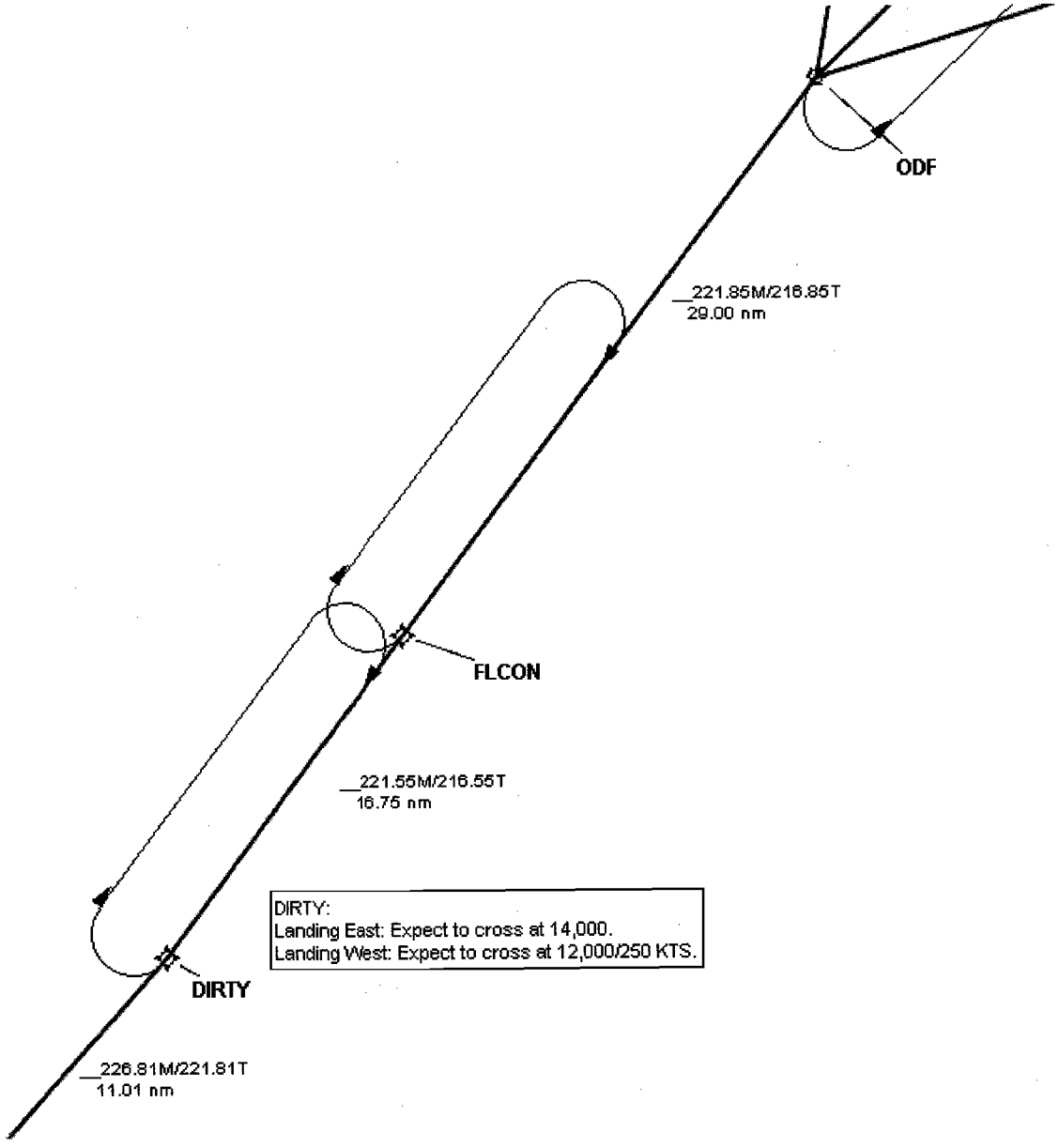
	Name (Typed and Signed), Title and Organization		DATE
Developed By	TIM CHAMBERS, AIRSPACE & PROCEDURES SPECIALIST, ATLANTA ARTCC		8 FEB 2012
Approved	**AJV-352**	DARRYEL ADAMS, MANAGER	
	Reg. ATD		

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	30 JUN 2011	

(19) Graphic Depiction (1 of 3)

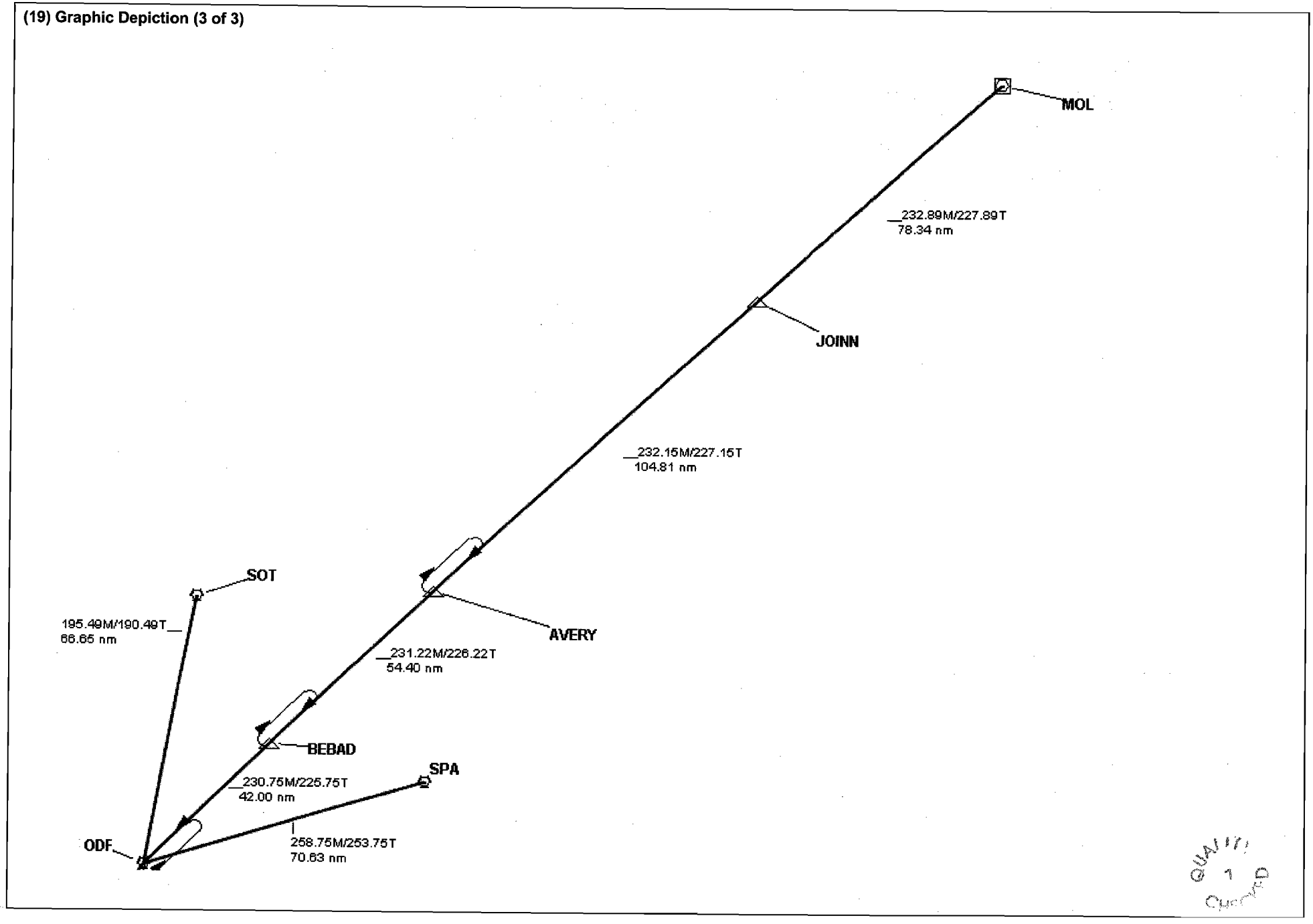


(19) Graphic Depiction (2 of 3)



QUALITY CHECKED 1

(19) Graphic Depiction (3 of 3)



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									
MOL VOR/DME	375401.89 N / 0790624.80W	Y		IF					MOL.FLCON8
JOINN	370103.92N / 0801858.62W	Y	FB	TF	227.89	78.34			
AVERY	354903.34N / 0815327.77W	Y	FB	TF	227.15	104.81			HOLDING - RIGHT TURNS
BEBAD	351111.99N / 0824122.50W	Y	FB	TF	226.22	54.40			HOLDING - RIGHT TURNS
ODF VORTAC	344145.14N / 0831751.58W	Y	FB	TF	225.75	42.00			HOLDING - LEFT TURNS
En Route Transition									
SOT VORTAC	354724.36N / 0830308.53W	Y		IF					SOT.FLCON8
ODF VORTAC	344145.14N / 0831751.58W	Y	FB	TF	190.49	66.65			HOLDING - LEFT TURNS
En Route Transition									
SPA VORTAC	350201.05N / 0815537.24W	Y		IF					SPA.FLCON8
ODF VORTAC	344145.14N / 0831751.58W	Y	FB	TF	253.75	70.63			HOLDING - LEFT TURNS
Common Route									

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	30 JUN 2011	

US Department of Transportation
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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
ODF VORTAC	344145.14N / 0831751.58W	Y		IF					HOLDING - LEFT TURNS
FLCON	341828.67N / 0833851.38W	Y	FB	TF	216.85	29.00			HOLDING - RIGHT TURNS
DIRTY	340459.40N / 0835052.00W	Y	FB	TF	216.55	16.75			HOLDING - RIGHT TURNS. Landing East: Expect to cross at 14,000.
BYRDS	335645.89N / 0835941.39W	Y	FB	TF	221.81	11.01			DIRTY: Landing West: Expect to cross at 12000/250 KTS.
COSEL	335049.00N / 0840600.15W	Y	FB	TF	221.54	07.93			
WORFF	334349.46N / 0841050.93W	Y	FB	TF	210.08	08.06			
Runway Transition									
WORFF	334349.46N / 0841050.93W	Y		IF					
DOEVR	334350.75N / 0842058.75W	Y	FB	TF	270.19	08.45			
NOFIV	334348.93N / 0843352.12W	Y	FB	TF	269.90	10.75			
NOTRE	334351.56N / 0844459.46W	Y	FB	TF	270.32	09.28			
WOTBA	334350.63N / 0845051.07W	Y	FO	TF	269.85	04.89			
RWY08L		Y		VM	270.19	05.00			
Runway Transition									

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	30 JUN 2011	

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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
WORFF	334349.46N / 0841050.93W	Y		IF					
DOEVR	334350.75N / 0842058.75W	Y	FB	TF	270.19	08.45			
NOFIV	334348.93N / 0843352.12W	Y	FB	TF	269.90	10.75			
NOTRE	334351.56N / 0844459.46W	Y	FB	TF	270.32	09.28			
WOTBA	334350.63N / 0845051.07W	Y	FO	TF	269.85	04.89			
RWY08R		Y		VM	270.19	05.00			
Runway Transition									
WORFF	334349.46N / 0841050.93W	Y		IF					
BOJAA	333242.11N / 0841826.77W	Y	FB	TF	209.78	12.79			
FOGOG	333242.52N / 0843248.78W	Y	FB	TF	270.10	12.01			
SOTRE	333244.99N / 0844458.72W	Y	FB	TF	270.29	10.17			
HESPI	333245.50N / 0845118.00W	Y	FO	TF	270.12	05.28			
RWY09L		Y		VM	270.12	05.00			
Runway Transition									

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	30 JUN 2011	

US Department of Transportation
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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
WORFF	334349.46N / 0841050.93W	Y		IF					
BOJAA	333242.11N / 0841826.77W	Y	FB	TF	209.78	12.79			
FOGOG	333242.52N / 0843248.78W	Y	FB	TF	270.10	12.01			
SOTRE	333244.99N / 0844458.72W	Y	FB	TF	270.29	10.17			
HESPI	333245.50N / 0845118.00W	Y	FO	TF	270.12	05.28			
RWY09R		Y		VM	270.12	05.00			
Runway Transition									
WORFF	334349.46N / 0841050.93W	Y		IF					
BOJAA	333242.11N / 0841826.77W	Y	FB	TF	209.78	12.79			
FOGOG	333242.52N / 0843248.78W	Y	FB	TF	270.10	12.01			
SOTRE	333244.99N / 0844458.72W	Y	FB	TF	270.29	10.17			
HESPI	333245.50N / 0845118.00W	Y	FO	TF	270.12	05.28			
RWY10		Y		VM	270.12	05.00			
Runway Transition									

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	30 JUN 2011	

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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
WORFF	334349.46N / 0841050.93W	Y		IF					
DOEVR	334350.75N / 0842058.75W	Y	FB	TF	270.19	08.45			
NOFIV	334348.93N / 0843352.12W	Y	FB	TF	269.90	10.75			
NOTRE	334351.56N / 0844459.46W	Y	FB	TF	270.32	09.28			
WOTBA	334350.63N / 0845051.07W	Y	FO	TF	269.85	04.89			
RWY26L		Y		VM	270.19	05.00			
Runway Transition									
WORFF	334349.46N / 0841050.93W	Y		IF					
DOEVR	334350.75N / 0842058.75W	Y	FB	TF	270.19	08.45			
NOFIV	334348.93N / 0843352.12W	Y	FB	TF	269.90	10.75			
NOTRE	334351.56N / 0844459.46W	Y	FB	TF	270.32	09.28			
WOTBA	334350.63N / 0845051.07W	Y	FO	TF	269.85	04.89			
RWY26R		Y		VM	270.19	05.00			
Runway Transition									

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	30 JUN 2011	

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
WORFF	334349.46N / 0841050.93W	Y		IF					
DOEVR	334350.75N / 0842058.75W	Y	FB	TF	270.19	08.45			
NOFIV	334348.93N / 0843352.12W	Y	FB	TF	269.90	10.75			
NOTRE	334351.56N / 0844459.46W	Y	FB	TF	270.32	09.28			
WOTBA	334350.63N / 0845051.07W	Y	FO	TF	269.85	04.89			
RWY27L		Y		VM	270.19	05.00			
Runway Transition									
WORFF	334349.46N / 0841050.93W	Y		IF					
DOEVR	334350.75N / 0842058.75W	Y	FB	TF	270.19	08.45			
NOFIV	334348.93N / 0843352.12W	Y	FB	TF	269.90	10.75			
NOTRE	334351.56N / 0844459.46W	Y	FB	TF	270.32	09.28			
WOTBA	334350.63N / 0845051.07W	Y	FO	TF	269.85	04.89			
RWY27R		Y		VM	270.19	05.00			
Runway Transition									

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	30 JUN 2011	

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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
WORFF	334349.46N / 0841050.93W	Y		IF					
DOEVR	334350.75N / 0842058.75W	Y	FB	TF	270.19	08.45			
NOFIV	334348.93N / 0843352.12W	Y	FB	TF	269.90	10.75			
NOTRE	334351.56N / 0844459.46W	Y	FB	TF	270.32	09.28			
WOTBA	334350.63N / 0845051.07W	Y	FO	TF	269.85	04.89			
RWY28		Y		VM	270.19	05.00			

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	30 JUN 2011	

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ARINC PACKET - 424-18 - STAR

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NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        MOL   K6011530VDL  N37540189W079062480    N37540315W079062225W0050034591     NARMONTEBELLO
        SUSAD        ODF   K7011340VTH  N34414514W083175158    N34414514W083175158E0000017002     NARFOOTHILLS
        SUSAD        SOT   K7010880VTL  N35472436W083030853    N35472436W083030853W0040042401     NARSNOWBIRD
        SUSAD        SPA   K7011570VTH  N35020105W081553724    N35020105W081553724W0020009352     NARSPARTANBURG

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AVERY K70    C     N35490334W081532777                    W0069     NAR          AVERY
        SUSAEAENRT   BEBAD K70    C     N35111199W082412250                    W0062     NAR          BEBAD
        SUSAEAENRT   BOJAA K70    W     N33324211W084182677                    W0048     NAR          BOJAA
        SUSAEAENRT   BYRDS K70    W     N33564589W083594139                    W0050     NAR          BYRDS
        SUSAEAENRT   COSEL K70    W     N33504900W084060015                    W0049     NAR          COSEL
        SUSAEAENRT   DIRTY K70    W     N34045940W083505200                    W0052     NAR          DIRTY
        SUSAEAENRT   DOEVR K70    W     N33435075W084205875                    W0048     NAR          DOEVR
        SUSAEAENRT   FLCON K70    W     N34182867W083385138                    W0053     NAR          FLCON
        SUSAEAENRT   FOGOG K70    W     N33324252W084324878                    W0046     NAR          FOGOG
        SUSAEAENRT   HESPI K70    W     N33324550W084511800                    W0044     NAR          HESPI
        SUSAEAENRT   JOINN K60    C   H N37010392W080185862                    W0082     NAR          JOINN
        SUSAEAENRT   NOFIV K70    W     N33434893W084335212                    W0046     NAR          NOFIV
        SUSAEAENRT   NOTRE K70    W     N33435156W084445946                    W0045     NAR          NOTRE
        SUSAEAENRT   SOTRE K70    W     N33324499W084445872                    W0044     NAR          SOTRE
        SUSAEAENRT   WORFF K70    W     N33434946W084105093                    W0049     NAR          WORFF
        SUSAEAENRT   WOTBA K70    W     N33435063W084505107                    W0044     NAR          WOTBA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        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 KATLK7EFLCON84MOL   010MOL  K6D 0V       IF                                                    18000
        SUSAP KATLK7EFLCON84MOL   020JOINNK6EA0E    010TF                    23290783
        SUSAP KATLK7EFLCON84MOL   030AVERYK7EA0E  H 010TF                    23221048
        SUSAP KATLK7EFLCON84MOL   040BEBADK7EA0E  H 010TF                    23120544
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	06/30/2011	

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SUSAP KATLK7EFLCON84MOL   050ODF  K7D 0VE H 010TF                23080420
SUSAP KATLK7EFLCON84SOT   010SOT  K7D 0V       IF                                18000
SUSAP KATLK7EFLCON84SOT   020ODF  K7D 0VE H 010TF                19550667
SUSAP KATLK7EFLCON84SPA   010SPA  K7D 0V       IF                                18000
SUSAP KATLK7EFLCON84SPA   020ODF  K7D 0VE H 010TF                25880706
SUSAP KATLK7EFLCON85      010ODF  K7D 0V  H    IF                                18000
SUSAP KATLK7EFLCON85      020FLCONK7EA0E  H 010TF                22190290
SUSAP KATLK7EFLCON85      030DIRTYK7EA0E  H 010TF                22160168
SUSAP KATLK7EFLCON85      040BYRDSK7EA0E    010TF                22680110
SUSAP KATLK7EFLCON85      050COSELK7EA0E    010TF                22650079
SUSAP KATLK7EFLCON85      060WORFFK7EA0EE   010TF                21510081
SUSAP KATLK7EFLCON86RW08B 010WORFFK7EA0E       IF                                18000
SUSAP KATLK7EFLCON86RW08B 020DOEVRK7EA0E    010TF                27520085
SUSAP KATLK7EFLCON86RW08B 030NOFIVK7EA0E    010TF                27490108
SUSAP KATLK7EFLCON86RW08B 040NOTREK7EA0E    010TF                27530093
SUSAP KATLK7EFLCON86RW08B 050WOTBAK7EA0EY   010TF                27490049
SUSAP KATLK7EFLCON86RW08B 060KATL K7PA0AE      VM                2752
SUSAP KATLK7EFLCON86RW09B 010WORFFK7EA0E       IF                                18000
SUSAP KATLK7EFLCON86RW09B 020BOJAAK7EA0E    010TF                21480128
SUSAP KATLK7EFLCON86RW09B 030FOGOGK7EA0E    010TF                27510120
SUSAP KATLK7EFLCON86RW09B 040SOTREK7EA0E    010TF                27530102
SUSAP KATLK7EFLCON86RW09B 050HESPIK7EA0EY   010TF                27510053
SUSAP KATLK7EFLCON86RW09B 060KATL K7PA0AE      VM                2751
SUSAP KATLK7EFLCON86RW10  010WORFFK7EA0E       IF                                18000
SUSAP KATLK7EFLCON86RW10  020BOJAAK7EA0E    010TF                21480128
SUSAP KATLK7EFLCON86RW10  030FOGOGK7EA0E    010TF                27510120
SUSAP KATLK7EFLCON86RW10  040SOTREK7EA0E    010TF                27530102
SUSAP KATLK7EFLCON86RW10  050HESPIK7EA0EY   010TF                27510053
SUSAP KATLK7EFLCON86RW10  060KATL K7PA0AE      VM                2751
SUSAP KATLK7EFLCON86RW26B 010WORFFK7EA0E       IF                                18000
SUSAP KATLK7EFLCON86RW26B 020DOEVRK7EA0E    010TF                27520085
SUSAP KATLK7EFLCON86RW26B 030NOFIVK7EA0E    010TF                27490108
SUSAP KATLK7EFLCON86RW26B 040NOTREK7EA0E    010TF                27530093
SUSAP KATLK7EFLCON86RW26B 050WOTBAK7EA0EY   010TF                27490049
SUSAP KATLK7EFLCON86RW26B 060KATL K7PA0AE      VM                2752
SUSAP KATLK7EFLCON86RW27B 010WORFFK7EA0E       IF                                18000
SUSAP KATLK7EFLCON86RW27B 020DOEVRK7EA0E    010TF                27520085
SUSAP KATLK7EFLCON86RW27B 030NOFIVK7EA0E    010TF                27490108
SUSAP KATLK7EFLCON86RW27B 040NOTREK7EA0E    010TF                27530093
SUSAP KATLK7EFLCON86RW27B 050WOTBAK7EA0EY   010TF                27490049
SUSAP KATLK7EFLCON86RW27B 060KATL K7PA0AE      VM                2752
SUSAP KATLK7EFLCON86RW28  010WORFFK7EA0E       IF                                18000
SUSAP KATLK7EFLCON86RW28  020DOEVRK7EA0E    010TF                27520085
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	06/30/2011	

```
SUSAP KATLK7EFLCON86RW28  030NOFIVK7EA0E    010TF                    27490108
SUSAP KATLK7EFLCON86RW28  040NOTREK7EA0E    010TF                    27530093
SUSAP KATLK7EFLCON86RW28  050WOTBAK7EA0EY   010TF                    27490049
SUSAP KATLK7EFLCON86RW28  060KATL K7PA0AE      VM                    2752
```

```
                 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
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	06/30/2011	

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MOL	MOL	010		IF		FB					
	MOL	JOINN	020		TF		FB	1.0	232.9()	078.3		
	MOL	AVERY	030		TF		FB	1.0	232.2()	104.8		
	MOL	BEBAD	040		TF		FB	1.0	231.2()	054.4		
	MOL	ODF	050		TF		FB	1.0	230.8()	042.0		
	SOT	SOT	010		IF		FB					
	SOT	ODF	020		TF		FB	1.0	195.5()	066.7		
	SPA	SPA	010		IF		FB					
	SPA	ODF	020		TF		FB	1.0	258.8()	070.6		
		ODF	010		IF		FB					
		FLCON	020		TF		FB	1.0	221.9()	029.0		
		DIRTY	030		TF		FB	1.0	221.6()	016.8		
		BYRDS	040		TF		FB	1.0	226.8()	011.0		
		COSEL	050		TF		FB	1.0	226.5()	007.9		
		WORFF	060		TF		FB	1.0	215.1()	008.1		
	RW08B	WORFF	010		IF		FB					
	RW08B	DOEVR	020		TF		FB	1.0	275.2()	008.5		
	RW08B	NOFIV	030		TF		FB	1.0	274.9()	010.8		
	RW08B	NOTRE	040		TF		FB	1.0	275.3()	009.3		
	RW08B	WOTBA	050		TF		FO	1.0	274.9()	004.9		
	RW08B	KATL	060		VM		FB		275.2()			
	RW09B	WORFF	010		IF		FB					
	RW09B	BOJAA	020		TF		FB	1.0	214.8()	012.8		
	RW09B	FOGOG	030		TF		FB	1.0	275.1()	012.0		
	RW09B	SOTRE	040		TF		FB	1.0	275.3()	010.2		
	RW09B	HESPI	050		TF		FO	1.0	275.1()	005.3		
	RW09B	KATL	060		VM		FB		275.1()			
	RW10	WORFF	010		IF		FB					
	RW10	BOJAA	020		TF		FB	1.0	214.8()	012.8		
	RW10	FOGOG	030		TF		FB	1.0	275.1()	012.0		
	RW10	SOTRE	040		TF		FB	1.0	275.3()	010.2		
	RW10	HESPI	050		TF		FO	1.0	275.1()	005.3		
	RW10	KATL	060		VM		FB		275.1()			
	RW26B	WORFF	010		IF		FB					
	RW26B	DOEVR	020		TF		FB	1.0	275.2()	008.5		
	RW26B	NOFIV	030		TF		FB	1.0	274.9()	010.8		
	RW26B	NOTRE	040		TF		FB	1.0	275.3()	009.3		
	RW26B	WOTBA	050		TF		FO	1.0	274.9()	004.9		

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	06/30/2011	

RW26B	KATL	060	VM	FB		275.2()	
RW27B	WORFF	010	IF	FB			
RW27B	DOEVR	020	TF	FB	1.0	275.2()	008.5
RW27B	NOFIV	030	TF	FB	1.0	274.9()	010.8
RW27B	NOTRE	040	TF	FB	1.0	275.3()	009.3
RW27B	WOTBA	050	TF	FO	1.0	274.9()	004.9
RW27B	KATL	060	VM	FB		275.2()	
RW28	WORFF	010	IF	FB			
RW28	DOEVR	020	TF	FB	1.0	275.2()	008.5
RW28	NOFIV	030	TF	FB	1.0	274.9()	010.8
RW28	NOTRE	040	TF	FB	1.0	275.3()	009.3
RW28	WOTBA	050	TF	FO	1.0	274.9()	004.9
RW28	KATL	060	VM	FB		275.2()	

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
MOL	N375401.89	W0790624.80	N3754.032	W07906.413
ODF	N344145.14	W0831751.58	N3441.752	W08317.860
SOT	N354724.36	W0830308.53	N3547.406	W08303.142
SPA	N350201.05	W0815537.24	N3502.018	W08155.621
AVERY	N354903.34	W0815327.77	N3549.056	W08153.463
BEBAD	N351111.99	W0824122.50	N3511.200	W08241.375
BOJAA	N333242.11	W0841826.77	N3332.702	W08418.446
BYRDS	N335645.89	W0835941.39	N3356.765	W08359.690
COSEL	N335049.00	W0840600.15	N3350.817	W08406.003
DIRTY	N340459.40	W0835052.00	N3404.990	W08350.867
DOEVR	N334350.75	W0842058.75	N3343.846	W08420.979
FLCON	N341828.67	W0833851.38	N3418.478	W08338.856
FOGOG	N333242.52	W0843248.78	N3332.709	W08432.813
HESPI	N333245.50	W0845118.00	N3332.758	W08451.300
JOINN	N370103.92	W0801858.62	N3701.065	W08018.977
NOFIV	N334348.93	W0843352.12	N3343.816	W08433.869
NOTRE	N334351.56	W0844459.46	N3343.859	W08444.991
SOTRE	N333244.99	W0844458.72	N3332.750	W08444.979
WORFF	N334349.46	W0841050.93	N3343.824	W08410.849
WOTBA	N334350.63	W0845051.07	N3343.844	W08450.851
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

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	06/30/2011	

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

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
FLCON RNAV	EIGHT	FLCON.FLCON8	SEVEN	06/30/2011	

RADIO FIX AND HOLDING DATA RECORD

NAME: AVERY **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 354903.34N/0815327.77W **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	FOOTHILLS	ODF	VORTAC	H	045.40	045.40	96.40	96.40		18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ODF	VORTAC	R-045	97	11000	16200

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	NE	ODF	VORTAC	045.40	225.40	R		15	18000	39000	19	29
2	NE		WP	052.15	232.15	R		15	18000	39000	18	29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	360637.60N/0814846.80W	6160	4E
2	265	AAO	360637.60N/0814846.80W	6160	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
CHART HOLD PAT 1 & 2 15 NM LEGS/ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	FLCON (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	WHINZ		1	KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
CHANGED PAT 2 RAD/CRS/BRG FROM 049.15 TO 052.15 AND CRS INB FROM 229.15 TO 232.15.
ADDED FAC 1 ESV DATA.

DEVELOPED BY: **DATE:** 04/24/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL CURRAN

APPROVED BY: **DATE:** **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: BEBAD **STATE:** NC **COUNTRY:** US

LATITUDE/LONGITUDE: 351111.99N/0824122.50W **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	FOOTHILLS	ODF	VORTAC	H	045.40	045.40	42.00	42.00		11000	45000
2	VOLUNTEER	VXV	VORTAC	H	128.75	125.75		73.03		11000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ODF	VORTAC	R-045	42	11000	16200
VXV	VORTAC	R-129	74	11000	15800

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	NE	ODF	VORTAC	045.40	225.40	R		15	11000	39000	11	29
2	NE		WP	051.22	231.22	R		15	18000	45000	18	31

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
FOOTHILLS (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
CHART HOLD PAT 1 & 2 15 NM LEGS/ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	FLCON (RNAV)		2	KATL	ATLANTA	GA (US)
STAR	WHINZ	1, 2	1	KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
CHANGED PAT 2 RAD/CRS/BRG FROM 048.22 TO 051.22 AND CRS INB FROM 228.22 TO 231.22.
ADDED REMARK: FOOTHILLS (FAC 1) USED TO ESTABLISH FIX COORDINATES.
LOWERED PAT 1 MIN HOLDING ALTITUDE FROM 18000 TO 11000, CHANGED MIN TEMPLATE FROM 18 TO 11, AND AIRSPEED FROM 265 TO 230.
DELETED PAT 1 AND 2 CONTROLLING OBSTACLES, NOT REQUIRED.

DEVELOPED BY: **DATE:** 04/24/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL CURRAN

APPROVED BY: **DATE:** **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: DIRTY **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 340459.40N/0835052.00W **TYPE:** WP

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

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	NE		WP	041.55	221.55	R		15	11000	23000	19	21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (13-001170)	340732.00N/0835132.00W	2654	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
CHART HOLD PAT 1 15 NM LEGS/ATC REQUEST. (11,000 THROUGH FL230 ATC REQUEST FOR FLOW CONTROL)
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	FLCON (RNAV)		1	KATL	ATLANTA	GA (US)
STAR	PECHY (RNAV)		1	KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
CHANGED PAT 1 RAD/CRS/BRG FROM 038.55 TO 041.55 AND CRS INB FROM 218.55 TO 221.55.

DEVELOPED BY: **DATE:** 05/04/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL CURRAN

APPROVED BY: **DATE:** **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: FLCON **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 341828.67N/0833851.38W **TYPE:** WP

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

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	NE		WP	041.85	221.85	R		15	11000	23000	19	21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	200' AAO	343820.40N/0834348.30W	3356	6A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
CHART HOLD PAT 1 15 NM LEGS/ATC REQUEST.
(11,000 THROUGH FL230/ATC REQUEST FOR FLOW CONTROL)
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	FLCON (RNAV)		1	KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
CHANGED PAT 1 RAD/CRS/BRG FROM 038.85 TO 041.85 AND CRS INB FROM 218.85 TO 221.85.

DEVELOPED BY: **DATE:** 05/04/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL CURRAN

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: FOOTHILLS VORTAC **STATE:** SC **COUNTRY:** US

LATITUDE/LONGITUDE: 344145.14N/0831751.58W **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	FEET	MRA	MAA
1	FOOTHILLS	ODF	VORTAC	H							45000

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) RWY 23, KGE99, CLAYTON, GA

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	NE	ODF	VORTAC	023.00	203.00	L	1		5000	6000	5	5
2	NE		WP	025.00	205.00	L		5	5000	6000	6	6
3	NE		WP	050.75	230.75	L		15	11000	45000	19	31
4	NE	ODF	VORTAC	045.40	225.40	L		15	11000	33000	19	24
5	NE	ODF	VORTAC	028.00	208.00	L	1		5000	6000	5	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	344818.34N/0831416.05W	2399	2C
2	200	200' AAO	344818.34N/0831416.05W	2399	2C
3	230	200' AAO	345741.00N/0831756.00W	4890	6A
4	230	200' AAO	345741.00N/0831756.00W	4890	6A
5	200	200' AAO	344818.34N/0831416.05W	2399	2C
5	310	200' AAO	345741.00N/0831756.00W	4890	6A

REASON FOR NONSTANDARD HOLDING:
PAT 5 ATC REQUEST
PAT 1 ATC REQUEST
PAT 2 ATC REQUEST
PAT 4 ATC REQUEST
PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
5	VOR RWY 20	KTOC	TOCCOA	GA (US)
5	VOR/DME RWY 2	KTOC	TOCCOA	GA (US)

REMARKS:
CHART HOLD PAT 3 & 4 15 NM LEGS/ATC REQUEST.
HOLDING PATTERN 5 310 PATTERN OBSTACLE LOCATED 1.68NM FROM INNER EDGE OF SECONDARY.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HUGO			KVUJ	ALBEMARLE	NC (US)
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	HUGO			KCLT	CHARLOTTE	NC (US)
DP	HUGO			KJQF	CONCORD	NC (US)
DP	HUGO			KAKH	GASTONIA	NC (US)
DP	HUGO			KIPJ	LINCOLNTON	NC (US)
DP	HUGO			KEQY	MONROE	NC (US)
DP	HUGO			KRUQ	SALISBURY	NC (US)
DP	HUGO			KLKR	LANCASTER	SC (US)
DP	HUGO			KUZA	ROCK HILL	SC (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
EN ROUTE	J145					(US)
EN ROUTE	J186					(US)
EN ROUTE	J48					(US)
EN ROUTE	T200					(US)
EN ROUTE	V222					(US)
EN ROUTE	V415					(US)
IAP	ILS OR LOC/DME RWY 27 (ALT MA)			KAHN	ATHENS	GA (US)
IAP	RNAV (GPS) RWY 23			KGE99	CLAYTON	GA (US)
IAP	NDB RWY 6			KAJR	CORNELIA	GA (US)
IAP	RNAV (GPS) RWY 24			KAJR	CORNELIA	GA (US)
IAP	VOR/DME RWY 6		1	KAJR	CORNELIA	GA (US)
IAP	ILS OR LOC/DME RWY 5			KGVL	GAINESVILLE	GA (US)

QUALITY CHECKED

IAP	VOR RWY 20	5	KTOC	TOCCOA	GA (US)
IAP	VOR/DME RWY 2	5	KTOC	TOCCOA	GA (US)
IAP	ILS OR LOC RWY 5		KAND	ANDERSON	SC (US)
IAP	NDB RWY 25		KCEU	CLEMSON	SC (US)
IAP	NDB RWY 5		KLQK	PICKENS	SC (US)
IAP	VOR/DME-A		KLQK	PICKENS	SC (US)
STAR	FLCON (RNAV)	3	KATL	ATLANTA	GA (US)
STAR	WHINZ	4	KATL	ATLANTA	GA (US)
STAR	AWSON		KPDK	ATLANTA	GA (US)
STAR	JAKIE		KCVG	COVINGTON	KY (US)

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

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
CHANGED STATE LOCATION FROM GA TO SC.
CHANGED PAT 3 RAD/CRS/BRG FROM 047.75 TO 050.75 AND CRS INB FROM 227.75 TO 230.75.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/24/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL CURRAN

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

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HESPI **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333245.50N/0845118.00W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CANUK (RNAV)			KATL	ATLANTA	GA (US)
STAR	FLCON (RNAV)			KATL	ATLANTA	GA (US)
STAR	HONIE (RNAV)			KATL	ATLANTA	GA (US)
STAR	PECHY (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
REMOVED FAC 1 TO MEET CURRENT DOCUMENTATION REQUIREMENTS.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/20/2010 **OFFICE:** AVN-110 **NAME:** ANDI LAU

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

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

QUALITY CHECK

RADIO FIX AND HOLDING DATA RECORD

NAME: MONTEBELLO VOR/DME **STATE:** VA **COUNTRY:** US

LATITUDE/LONGITUDE: 375401.89N/0790624.80W **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	MONTEBELLO	MOL	VOR/DME	L							41000

FIX RESTRICTIONS:
MCA V290 6000 SOUTHEAST BOUND

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	MOL	VOR/DME	271.00	091.00	L	1-1 1/2		6000	41000	7	29
2	W		WP	275.00	095.00	L		5	6000	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (51-001079)	374743.00N/0791052.00W	4322	4E
1	265	TOWER (51-001079)	374743.00N/0791052.00W	4322	4E
2	200	AAO	374949.70N/0790724.30W	4260	6C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	200	265
1	265	196
2	200	227

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

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 6000 TO FL180.

REMARKS:
ESV'S ON FILE.
CHART PAT 1 ENROUTE HIGH (J42) PER ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAZIR (RNAV)			KDCA	WASHINGTON	DC (US)
DP	NATIONAL			KDCA	WASHINGTON	DC (US)
DP	ARSENAL			KHEF	MANASSAS	VA (US)
DP	YEAST			KRIC	RICHMOND	VA (US)
DP	SHENANDOAH			KSHD	STAUNTON/WAYNESBORO/HARRISONBURG	VA (US)
EN ROUTE	J22					(US)
EN ROUTE	J24					(US)
EN ROUTE	J42		1			(US)
EN ROUTE	J48					(US)
EN ROUTE	V140					(US)
EN ROUTE	V143					(US)
EN ROUTE	V290					(US)
EN ROUTE	V377					(US)
EN ROUTE	V473					(US)
IAP	RNAV (GPS) RWY 33		2	KVBW	BRIDGEWATER	VA (US)
IAP	ILS OR LOC RWY 25			KHSP	HOT SPRINGS	VA (US)
IAP	ILS OR LOC RWY 4			KLYH	LYNCHBURG	VA (US)
IAP	VOR RWY 4			KLYH	LYNCHBURG	VA (US)
IAP	VOR/DME RWY 22			KLYH	LYNCHBURG	VA (US)
IAP	ILS OR LOC RWY 5			KSHD	STAUNTON/WAYNESBORO/HARRISONBURG	VA (US)
IAP	NDB RWY 5			KSHD	STAUNTON/WAYNESBORO/HARRISONBURG	VA (US)
IAP	RNAV (GPS) RWY 5			KSHD	STAUNTON/WAYNESBORO/HARRISONBURG	VA (US)
IAP	RNAV (GPS) RWY 24			KW13	WAYNESBORO	VA (US)
STAR	WZRRD			KDCA	WASHINGTON	DC (US)
STAR	FLCON (RNAV)			KATL	ATLANTA	GA (US)
STAR	WHINZ			KATL	ATLANTA	GA (US)
STAR	GEMNI			KDTW	DETROIT	MI (US)
STAR	TERKS			KORF	NORFOLK	VA (US)

QUALITY CHECKED 3

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
DELETED 230 KTS HOLDING PATTERN.
UPDATED FIX USE.

DEVELOPED BY:	**DATE:** 04/24/2012	**OFFICE:** AJV-352	**NAME:** MICHAEL CURRAN
APPROVED BY:	**DATE:**	**OFFICE:** AJV-352	**NAME:** DARRYEL ADAMS
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC, ZTL
ATC FACILITY: PCT APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: BOJAA **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333242.11N/0841826.77W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CANUK (RNAV)			KATL	ATLANTA	GA (US)
STAR	ERLIN (RNAV)			KATL	ATLANTA	GA (US)
STAR	FLCON (RNAV)			KATL	ATLANTA	GA (US)
STAR	HERKO (RNAV)			KATL	ATLANTA	GA (US)
STAR	HONIE (RNAV)			KATL	ATLANTA	GA (US)
STAR	PECHY (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
REMOVED FAC 1 TO MEET NEW DOCUMENTATION STANDARDS.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/13/2010 **OFFICE:** AVN-110 **NAME:** ANDI LAU

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BYRDS **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 335645.89N/0835941.39W **TYPE:** WP

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

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

FIX USE:

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

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
REMOVED FAC 1 TO MEET CURRENT DOCUMENTATION REQUIREMENTS.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/20/2010 **OFFICE:** AVN-110 **NAME:** ANDI LAU

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COSEL **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 335049.00N/0840600.15W **TYPE:** WP

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

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

FIX USE:

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

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
REMOVED FAC 1 TO MEET CURRENT DOCUMENTATION REQUIREMENTS.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/20/2010 **OFFICE:** AVN-110 **NAME:** ANDI LAU

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

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

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: DOEVR **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334350.75N/0842058.75W **TYPE:** WP

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

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

FIX USE:

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

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
REMOVED FAC 1 TO MEET CURRENT DOCUMENTATION REQUIREMENTS.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/20/2010 **OFFICE:** AVN-110 **NAME:** ANDI LAU

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

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

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: FOGOG **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333242.52N/0843248.78W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CANUK (RNAV)			KATL	ATLANTA	GA (US)
STAR	ERLIN (RNAV)			KATL	ATLANTA	GA (US)
STAR	FLCON (RNAV)			KATL	ATLANTA	GA (US)
STAR	HERKO (RNAV)			KATL	ATLANTA	GA (US)
STAR	HONIE (RNAV)			KATL	ATLANTA	GA (US)
STAR	PECHY (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
REMOVED FAC 1 TO MEET NEW DOCUMENTATION REQUIREMENTS.

DEVELOPED BY: **DATE:** 01/13/2010 **OFFICE:** AVN-110 **NAME:** ANDI LAU

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-120 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: ATL
ARTCC: ZTL
ATC FACILITY: A-80
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: IGEBE **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334358.98N/0840214.06W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DAWGS (RNAV)			KATL	ATLANTA	GA (US)
DP	DOOLY (RNAV)			KATL	ATLANTA	GA (US)
DP	MUNSN (RNAV)			KATL	ATLANTA	GA (US)
DP	UGAAA (RNAV)			KATL	ATLANTA	GA (US)
STAR	ERLIN (RNAV)			KATL	ATLANTA	GA (US)
STAR	FLCON (RNAV)			KATL	ATLANTA	GA (US)
STAR	HERKO (RNAV)			KATL	ATLANTA	GA (US)
STAR	HONIE (RNAV)			KATL	ATLANTA	GA (US)
STAR	PECHY (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: DP, STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 10/20/2011

REASON FOR REVISION:
1. DP ADDED TO REQUIRED CHARTING.
2. FIX USE UPDATED.

DEVELOPED BY: **DATE:** 01/08/2011 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** 08/25/2011 **OFFICE:** AVN-110 **NAME:** DONALD SMITH

SIGNATURE:

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

QUALITY CHECKED 3

RADIO FIX AND HOLDING DATA RECORD

NAME: JOINN **STATE:** VA **COUNTRY:** US

LATITUDE/LONGITUDE: 370103.92N/0801858.62W **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	MONTEBELLO	MOL	VOR/DME	L	232.89	227.89	78.34	78.34		18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MOL	VOR/DME	R-233	79	18000	45000

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

REMARKS:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J48	1				(US)
STAR	FLCON (RNAV)			KATL	ATLANTA	GA (US)
STAR	WHINZ	1		KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
UPDATE FIX USE.
UPDATE ESV DOCUMENTATION.
ADDED DISTANCE FROM FACILITY TO FAC 1.

DEVELOPED BY: **DATE:** 01/20/2010 **OFFICE:** AVN-110 **NAME:** ANDI LAU

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NOFIV **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334348.93N/0843352.12W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CANUK (RNAV)			KATL	ATLANTA	GA (US)
STAR	ERLIN (RNAV)			KATL	ATLANTA	GA (US)
STAR	FLCON (RNAV)			KATL	ATLANTA	GA (US)
STAR	HERKO (RNAV)			KATL	ATLANTA	GA (US)
STAR	HONIE (RNAV)			KATL	ATLANTA	GA (US)
STAR	PECHY (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
REMOVED FAC 1 TO MEET CURRENT DOCUMENTATION REQUIREMENTS.

DEVELOPED BY: **DATE:** 01/13/2010 **OFFICE:** AVN-110 **NAME:** ANDI LAU

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZTL
ATC FACILITY: A-80
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: NOTRE **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334351.56N/0844459.46W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CANUK (RNAV)			KATL	ATLANTA	GA (US)
STAR	FLCON (RNAV)			KATL	ATLANTA	GA (US)
STAR	HERKO (RNAV)			KATL	ATLANTA	GA (US)
STAR	PECHY (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
REMOVED FAC 1 TO MEET CURRENT DOCUMENTATION REQUIREMENTS.

DEVELOPED BY: **DATE:** 01/13/2010 **OFFICE:** AVN-110 **NAME:** ANDI LAU

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: ATL
ARTCC: ZTL
ATC FACILITY: A-80
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 354724.36N/0830308.53W **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	SNOWBIRD	SOT	VORTAC	L							45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SOT	VORTAC	R-194	37	18000	45000

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

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	354626.60N/0831535.60W	6821	6A

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 8100.
(8100 FT BASED ON AIRSPACE)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FEDRA (RNAV)			KSDF	LOUISVILLE	KY (US)
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	CHATTANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
EN ROUTE	J186					(US)
EN ROUTE	V136					(US)
EN ROUTE	V185					(US)
EN ROUTE	V517					(US)
IAP	ILS OR LOC RWY 16			KAVL	ASHEVILLE	NC (US)
IAP	NDB OR GPS RWY 5			KGCY	GREENEVILLE	TN (US)
IAP	VOR/DME-B			KDKX	KNOXVILLE	TN (US)
IAP	NDB RWY 5			KMOR	MORRISTOWN	TN (US)
IAP	SDF RWY 5			KMOR	MORRISTOWN	TN (US)
IAP	VOR/DME RWY 10			KGKT	SEVIERVILLE	TN (US)
STAR	AWSON			KATL	ATLANTA	GA (US)
STAR	FLCON (RNAV)			KATL	ATLANTA	GA (US)
STAR	PECHY (RNAV)			KATL	ATLANTA	GA (US)
STAR	WHINZ			KATL	ATLANTA	GA (US)
STAR	UNMAN (RNAV)			KGYH	GREENVILLE	SC (US)
STAR	UNMAN (RNAV)			KGSP	GREER	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
1. UPDATED FIX USE.
2. MOVED HOLDING REMARKS TO HOLDING RESTRICTIONS.

DEVELOPED BY: **DATE:** 11/19/2010 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (NICHOLAS JACKSON)

APPROVED BY: **DATE:** 06/27/2011 **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: SOTRE **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 333244.99N/0844458.72W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GEETK (RNAV)			KATL	ATLANTA	GA (US)
DP	JCKTS (RNAV)			KATL	ATLANTA	GA (US)
DP	JOGOR (RNAV)			KATL	ATLANTA	GA (US)
DP	RMBLN (RNAV)			KATL	ATLANTA	GA (US)
STAR	CANUK (RNAV)			KATL	ATLANTA	GA (US)
STAR	FLCON (RNAV)			KATL	ATLANTA	GA (US)
STAR	PECHY (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: DP, STAR, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
REMOVED FAC 1 TO MEET CURRENT DOCUMENTATION REQUIREMENTS.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/20/2010 **OFFICE:** AVN-110 **NAME:** ANDI LAU

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

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

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: SPARTANBURG VORTAC **STATE:** SC **COUNTRY:** US

LATITUDE/LONGITUDE: 350201.05N/0815537.24W **TYPE:**

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

FIX MAKE-UP FACILITIES:

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S	SPA	VORTAC	194.00	014.00	R	1-1 1/2		2700	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-000043)	345853.00N/0815913.00W	1336	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVAL COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DAWGS (RNAV)			KATL	ATLANTA	GA (US)
DP	DOOLY (RNAV)			KATL	ATLANTA	GA (US)
DP	MUNSN (RNAV)			KATL	ATLANTA	GA (US)
DP	UGAAA (RNAV)			KATL	ATLANTA	GA (US)
DP	CHATT (RNAV)			KAGS	AUGUSTA	GA (US)
DP	CHATT (RNAV)			KDNL	AUGUSTA	GA (US)
DP	CHATT (RNAV)			KHQU	THOMSON	GA (US)
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	ANDYS (RNAV)			KCLT	CHARLOTTE	NC (US)
DP	BOBCAT			KCLT	CHARLOTTE	NC (US)
DP	BOBCAT			KJQF	CONCORD	NC (US)
DP	BOBCAT			KAKH	GASTONIA	NC (US)
DP	TRIAD			KGSO	GREENSBORO	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	BOBCAT			KEQY	MONROE	NC (US)
DP	TRIAD			KINT	WINSTON-SALEM	NC (US)
DP	WINSTON			KINT	WINSTON-SALEM	NC (US)
DP	CHATT (RNAV)			KAIK	AIKEN	SC (US)
DP	BOBCAT			KUZA	ROCK HILL	SC (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	YEAST			KRIC	RICHMOND	VA (US)
EN ROUTE	J118					(US)
EN ROUTE	J14					(US)
EN ROUTE	J37					(US)
EN ROUTE	J47					(US)
EN ROUTE	J53					(US)
EN ROUTE	J83					(US)
EN ROUTE	J85					(US)
EN ROUTE	V266					(US)
EN ROUTE	V415					(US)
EN ROUTE	V53					(US)
EN ROUTE	V54					(US)
EN ROUTE	V605					(US)
IAP	ILS OR LOC RWY 34			KAVL	ASHEVILLE	NC (US)
IAP	LOC RWY 1			KFQD	RUTHERFORDTON	NC (US)
IAP	RNAV (GPS) RWY 1			KFQD	RUTHERFORDTON	NC (US)
IAP	NDB RWY 23			KEHO	SHELBY	NC (US)
IAP	RNAV (GPS) RWY 5			KEHO	SHELBY	NC (US)
IAP	NDB RWY 35			KDCM	CHESTER	SC (US)
IAP	ILS OR LOC RWY 1			KGMU	GREENVILLE	SC (US)
IAP	ILS OR LOC RWY 5			KGYH	GREENVILLE	SC (US)
IAP	RNAV (GPS) RWY 23			KGYH	GREENVILLE	SC (US)
IAP	ILS OR LOC RWY 22		1	KGSP	GREER	SC (US)
IAP	ILS OR LOC/DME RWY 4		1	KGSP	GREER	SC (US)
IAP	ILS RWY 4 (CAT II)		1	KGSP	GREER	SC (US)
IAP	ILS RWY 4 (CAT III)		1	KGSP	GREER	SC (US)
IAP	ILS RWY 4 (SA CAT I)		1	KGSP	GREER	SC (US)
IAP	RADAR 1		1	KGSP	GREER	SC (US)
IAP	ILS OR LOC RWY 5		1	KSPA	SPARTANBURG	SC (US)
STAR	FLCON (RNAV)			KATL	ATLANTA	GA (US)
STAR	WHINZ			KATL	ATLANTA	GA (US)
STAR	ADENA (RNAV)			KCLT	CHARLOTTE	NC (US)

INFO ONLY

STAR	UNARM	KCLT	CHARLOTTE	NC (US)
STAR	BROOK	KGSO	GREENSBORO	NC (US)
STAR	OSPRI (RNAV)	KCHS	CHARLESTON	SC (US)
STAR	TRTLS (RNAV)	KCHS	CHARLESTON	SC (US)
STAR	OSPRI (RNAV)	KJZI	CHARLESTON	SC (US)
STAR	WHTTL (RNAV)	KGYH	GREENVILLE	SC (US)
STAR	WHTTL (RNAV)	KGSP	GREER	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
HOLDING PAT 1 OBS UPDATED.
HOLDING PAT 1 MIN ALT LOWERED FROM 3000' TO 2700'.
FIX USE UPDATED PER 19D.

05/23/2011: THIS IS AN UPDATED COPY OF THE FORM.
1. ADDED SIGNATURE BLOCK INFORMATION.

DEVELOPED BY: **DATE:** 05/23/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (SHAWN REDDINGER)

APPROVED BY: **DATE:** 05/27/2011 **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: WORFF **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334349.46N/0841050.93W **TYPE:** WP

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

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

FIX USE:

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

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
REMOVED FAC 1 TO MEET CURRENT DOCUMENTATION REQUIREMENTS.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/20/2010 **OFFICE:** AVN-110 **NAME:** ANDI LAU

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WOTBA **STATE:** GA **COUNTRY:** US

LATITUDE/LONGITUDE: 334350.63N/0845051.07W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CANUK (RNAV)			KATL	ATLANTA	GA (US)
STAR	ERLIN (RNAV)			KATL	ATLANTA	GA (US)
STAR	FLCON (RNAV)			KATL	ATLANTA	GA (US)
STAR	HERKO (RNAV)			KATL	ATLANTA	GA (US)
STAR	PECHY (RNAV)			KATL	ATLANTA	GA (US)

REQUIRED CHARTING: STAR, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
REMOVED FAC 1 TO MEET CURRENT DOCUMENTATION REQUIREMENTS.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/20/2010 **OFFICE:** AVN-110 **NAME:** ANDI LAU

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

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

QUALITY CHECKED

INFO ONLY