

## US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**STANDARD TERMINAL ARRIVAL (STAR)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet. MSL. Altitudes are minimum altitudes unless otherwise indicated.

Distances are in nautical miles (NM). Graphic depiction attached.

Arrival Name <b>RAGGZ (RNAV)</b>	Number <b>ONE</b>	STAR Computer Code <b>RAGGZ.RAGGZ1</b>	Superseded Number <b>NONE</b>	Dated	Effective Date 15 SEPT 2016
-------------------------------------	----------------------	---	----------------------------------	-------	--------------------------------

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
BJONS	BJONS.RAGGZ1	BJONS	BJONS						
			DOBZZ	017.32	25.11	16000	1900		AT/ABOVE FL240
			GIJIM	017.38	30.02	14000	2400		AT/ABOVE 17000
			RAGGZ	019.72	25.90	9000	2300		AT/ABOVE 15000
CARNS	CARNS.RAGGZ1	CARNS	CARNS						
			ANMIL	060.25	32.85	14000	2400		AT/ABOVE FL240
			KEENT	060.54	30.01	10000	2300		AT/ABOVE 17000
			TIIMS	060.57	04.00	9000	2300		
			RAGGZ	059.68	21.89	9000	2400		AT/ABOVE 15000
DAMRN	DAMRN.RAGGZ1	DAMRN	DAMRN						
			HIRAM	068.85	68.76	16000	2200		
			FRUSC	069.48	58.59	16000	3100		AT/ABOVE FL240
			MLLIS	070.05	30.01	14000	3200		AT/ABOVE 17000
			RAGGZ	069.10	25.90	9000	2400		AT/ABOVE 15000
HIRAM	HIRAM.RAGGZ1	HIRAM	HIRAM						
			FRUSC	069.48	58.59	16000	3100		AT/ABOVE FL240
			MLLIS	070.05	30.01	14000	3200		AT/ABOVE 17000
			RAGGZ	069.10	25.90	9000	2400		AT/ABOVE 15000
HOLEE	HOLEE.RAGGZ1	HOLEE	HOLEE						
			CARNS	059.54	83.51	16000	3100		
			ANMIL	060.25	32.85	14000	2400		AT/ABOVE FL240
			KEENT	060.54	30.01	10000	2300		AT/ABOVE 17000
			TIIMS	060.57	04.00	9000	2300		
			RAGGZ	059.68	21.89	9000	2400		AT/ABOVE 15000
HRBBY	HRBBY.RAGGZ1	HRBBY	HRBBY						
			JAZSZ	348.83	19.75	FL180	2100		AT/ABOVE FL240
			TRYSO	350.99	21.81	11000	2700		
			DANCY	357.13	08.50	11000	2400		AT/ABOVE 17000

QUALITY

17

CHECKED

US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**STANDARD TERMINAL ARRIVAL (STAR)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet. MSL. Altitudes are minimum altitudes unless otherwise indicated.  
 Distances are in nautical miles (NM). Graphic depiction attached.

Arrival Name RAGGZ (RNAV)			Number ONE	STAR Computer Code RAGGZ.RAGGZ1	Superseded Number NONE			Dated	Effective Date 15 SEPT 2016
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
			RAGGZ	003.86	25.93	9000	2400		AT/ABOVE 15000
JAZSZ	JAZSZ.RAGGZ1	JAZSZ	JAZSZ						AT/ABOVE FL240
			TRYSO	350.99	21.81	11000	2700		
			DANCY	357.13	08.50	11000	2400		AT/ABOVE 17000
			RAGGZ	003.86	25.93	9000	2400		AT/ABOVE 15000
JEBRO	JEBRO.RAGGZ1	JEBRO	JEBRO						
			FLNTT	042.65	54.94	16000	3000		AT/ABOVE FL240
			JAAYY	040.41	30.01	14000	2300		AT/ABOVE 17000
			RAGGZ	041.10	25.89	9000	2300		AT/ABOVE 15000
PRICI	PRICI.RAGGZ1	PRICI	PRICI						
			LAMAZ	080.35	60.00	16000	2000		
			MOORE	080.97	37.77	16000	3300		AT/ABOVE FL240
			PAALL	081.36	30.00	11000	3400		AT/ABOVE 17000
			RAGGZ	079.41	25.92	9000	3300		AT/ABOVE 15000
STTEF	STTEF.RAGGZ1	STTEF	STTEF						
			PAALL	095.74	34.18	11000	3700		AT/ABOVE 17000
			RAGGZ	079.41	25.92	9000	3300		AT/ABOVE 15000

**ARRIVAL ROUTE DESCRIPTION:**

FROM RAGGZ ON TRACK 048.35/14.86 NM TO CROSS WARRR AT 12000 (MEA 5000/MOCA 2300), THEN ON ASSIGNED RUNWAY TRANSITION.

LANDING RWY 26R/L: FROM WARRR ON TRACK 031.23/25.50 TO RAIIN (MEA 5000/MOCA 3400), THEN ON TRACK 094.96/7.35 TO KLOWD (MEA 5000/MOCA 3400), THEN ON TRACK 094.97/6.46 TO POORS (MEA 5000/MOCA 4100), THEN ON TRACK 094.90/8.34 TO KYMMY (MEA 4000/MOCA 2400), THEN ON TRACK 094.90/5.00 TO KEAVY (MEA 4000/MOCA 3100), THEN ON TRACK 094.90. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 27R/L, 28: FROM WARRR ON TRACK 050.04/15.75 TO EAGYL (MEA 4000/MOCA 3100), THEN ON TRACK 094.94/7.73 TO SHURT (MEA 4000/MOCA 2500), THEN ON TRACK 094.94/6.17 TO SWETE (MEA 4000/MOCA 2400), THEN ON TRACK 094.92/5.05 TO KRRIS (MEA 3000/MOCA 2300), THEN ON TRACK 094.92/5.00 TO TAAMY (MEA 3000/MOCA 2200), THEN ON TRACK 094.92. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

**PROCEDURAL DATA NOTES:**

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: TURBOJET AIRCRAFT ONLY

NOTE: EXPECT TO RECEIVE "DESCEND VIA" CLEARANCE FROM ATLANTA CENTER; ATLANTA APPROACH WILL ASSIGN LANDING RUNWAY.

US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**STANDARD TERMINAL ARRIVAL (STAR)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet. MSL. Altitudes are minimum altitudes unless otherwise indicated.  
Distances are in nautical miles (NM). Graphic depiction attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>RAGGZ (RNAV)</b>	<b>ONE</b>	<b>RAGGZ.RAGGZ1</b>	<b>NONE</b>		<b>15 SEPT 2016</b>

NOTE: DAMRN AND HIRAM TRANSITION ASSIGNED BY ATC ONLY.

NOTE: EXPECT RWY 28.

NOTE: FOR USE WHEN LANDING WEST. WHEN LANDING EAST, FILE AND EXPECT THE VYPPR ARRIVAL (RNAV).

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT CARNS: SW, RT, 060.25 INBOUND, 15 NM LEGS.

CHART HOLDING AT LAMAZ: W, RT, 080.97 INBOUND, 15 NM LEGS.

CHART HOLDING AT TIIMS: SW, RT, 060.57 INBOUND, 15 NM LEGS.

CHART HOLDING AT TRYSO: S, RT, 357.13 INBOUND, 15 NM LEGS.

CHART DAWWN AS A STAND-ALONE WAYPOINT.

CHART OCNRR AS A STAND-ALONE WAYPOINT.

CHART PAYTN AS A STAND-ALONE FIX.

CHART DUUCK AS A STAND-ALONE WAYPOINT WITH HOLDING: W, LT, 080.00 INBOUND, 15 NM LEGS.

CHART ATL VORTAC.

COMMUNICATIONS:

ATL ATIS ARR, ATLANTA APP CON

AIRPORTS SERVED:

HARTSFIELD-JACKSON ATLANTA INTL, ATLANTA, GA

LOST COMMUNICATIONS PROCEDURE:

REMARKS:

DO NOT CHART MOCAs

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION: KATL 05W/2015.

RECOMMENDED NAVAID: ATL VORTAC.

CHART: "ASSIGNED BY ATC ONLY" AFTER DAMRN AND HIRAM ENROUTE TRANSITION COMPUTER CODES, ENSURE CORRESPONDING NOTE IS ALSO CHARTED ON PROCEDURE

GRAPHIC ADJACENT TO TRANSITION DEPICTION.

CHART AT TAAMY: "RWY 27L/R, 28: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER TAAMY."

CHART AT KEAVY: "RWY 26L/R: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER KEAVY."

## US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**STANDARD TERMINAL ARRIVAL (STAR)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet. MSL. Altitudes are minimum altitudes unless otherwise indicated.

Distances are in nautical miles (NM). Graphic depiction attached.

Arrival Name <b>RAGGZ (RNAV)</b>	Number <b>ONE</b>	STAR Computer Code <b>RAGGZ.RAGGZ1</b>	Superseded Number <b>NONE</b>	Dated <i>Digitally signed by</i>	Effective Date <b>15 SEPT 2016</b>
<u>FLIGHT INSPECTED BY:</u>					
Name	FIFO	7-22-2016	Jul 22, 2016		
	Organization	Date	Signature		
<u>DEVELOPED BY:</u>					
ATLANTA METROPLEX ARTICLE 48 REPRESENTATIVE	ATLANTA ARTCC	05/27/2016	For <i>Digitally signed by</i>		
Name	Organization	Date	Signature		
<u>APPROVED BY:</u>					
MANAGER, AIRSPACE AND PROCEDURES	ATLANTA ARTCC	05/27/2016	For <i>Digitally signed by</i>		
Name	Organization	Date	Signature		

CHANGES:

ORIGINAL

REASONS:

REQUESTED BY ATC (ATLANTA METROPLEX).

06/10/16: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/27/16.

1. ADDED REMARK "DO NOT CHART MOCAs".

2. REMOVED REMARK FROM ADDITIONAL FLIGHT DATA: SPECIAL CHARTING REQUEST: INSERT "TRK" ON GRAPHIC DEPICTIONS AFTER MAGNETIC TRACKS ON FM LEGS AFTER KEAVY AND TAAMY.

## US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## STAR (DATA RECORD)

Arrival Name RAGGZ (RNAV)		Number ONE		STAR Computer Code RAGGZ.RAGGZ1		Superseded Number NONE		Dated	Effective Date 15 SEPT 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
BJONS	315111.51N / 0852222.84W	Y		IF					BJONS.RAGGZ1
DOBZZ	321546.55N / 0851603.58W	Y	FB	TF	012.32	25.11	AT/ABOVE FL240		
GIJIM	324509.46N / 0850825.67W	Y	FB	TF	012.38	30.02	AT/ABOVE 17000		
RAGGZ	331015.20N / 0850035.13W	Y	FB	TF	014.72	25.90	AT/ABOVE 15000		
En Route Transition									
CARNS	321941.06N / 0862708.91W	Y		IF					CARNS.RAGGZ1
ANMIL	323822.65N / 0855511.23W	Y	FB	TF	055.25	32.85	AT/ABOVE FL240		
KEENT	325520.33N / 0852547.29W	Y	FB	TF	055.54	30.01	AT/ABOVE 17000		
TIIMS	325736.22N / 0852152.01W	Y	FB	TF	055.57	04.00			
RAGGZ	331015.20N / 0850035.13W	Y	FB	TF	054.68	21.89	AT/ABOVE 15000		
En Route Transition									
DAMRN	315118.12N / 0881616.16W	Y		IF					DAMRN.RAGGZ1
HIRAM	322119.48N / 0870324.23W	Y	FB	TF	063.85	68.76			
FRUSC	324621.31N / 0860041.50W	Y	FB	TF	064.48	58.59	AT/ABOVE FL240		
MLLIS	325858.07N / 0852820.81W	Y	FB	TF	065.05	30.01	AT/ABOVE 17000		
RAGGZ	331015.20N / 0850035.13W	Y	FB	TF	064.10	25.90	AT/ABOVE 15000		
En Route Transition									
HIRAM	322119.48N / 0870324.23W	Y		IF					HIRAM.RAGGZ1
FRUSC	324621.31N / 0860041.50W	Y	FB	TF	064.48	58.59	AT/ABOVE FL240		
MLLIS	325858.07N / 0852820.81W	Y	FB	TF	065.05	30.01	AT/ABOVE 17000		
RAGGZ	331015.20N / 0850035.13W	Y	FB	TF	064.10	25.90	AT/ABOVE 15000		
En Route Transition									
HOLEE	313133.07N / 0874725.32W	Y		IF					HOLEE.RAGGZ1
CARNS	321941.06N / 0862708.91W	Y	FB	TF	054.54	83.51			
ANMIL	323822.65N / 0855511.23W	Y	FB	TF	055.25	32.85	AT/ABOVE FL240		

QUALITY  
17  
CHECKED

QUALITY  
17  
CHECKED

## US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## STAR (DATA RECORD)

Arrival Name RAGGZ (RNAV)		Number ONE		STAR Computer Code RAGGZ.RAGGZ1		Superseded Number NONE		Dated	Effective Date 15 SEPT 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
KEENT	325520.33N / 0852547.29W	Y	FB	TF	055.54	30.01	AT/ABOVE 17000		
TIIMS	325736.22N / 0852152.01W	Y	FB	TF	055.57	04.00			
RAGGZ	331015.20N / 0850035.13W	Y	FB	TF	054.68	21.89	AT/ABOVE 15000		
En Route Transition									
HRBBY	315538.25N / 0844551.27W	Y		IF					HRBBY.RAGGZ1
JAZSZ	321438.40N / 0845220.21W	Y	FB	TF	343.83	19.75	AT/ABOVE FL240		
TRYSO	323550.41N / 0845835.29W	Y	FB	TF	345.99	21.81			
DANCY	324416.69N / 0845958.10W	Y	FB	TF	352.13	08.50	AT/ABOVE 17000		
RAGGZ	331015.20N / 0850035.13W	Y	FB	TF	358.86	25.93	AT/ABOVE 15000		
En Route Transition									
JAZSZ	321438.40N / 0845220.21W	Y		IF			AT/ABOVE FL240		JAZSZ.RAGGZ1
TRYSO	323550.41N / 0845835.29W	Y	FB	TF	345.99	21.81			
DANCY	324416.69N / 0845958.10W	Y	FB	TF	352.13	08.50	AT/ABOVE 17000		
RAGGZ	331015.20N / 0850035.13W	Y	FB	TF	358.86	25.93	AT/ABOVE 15000		
En Route Transition									
JEBRO	314120.90N / 0861902.67W	Y		IF					JEBRO.RAGGZ1
FLNTT	322450.06N / 0853923.78W	Y	FB	TF	037.65	54.94	AT/ABOVE FL240		
JAAYY	324918.94N / 0851845.70W	Y	FB	TF	035.41	30.01	AT/ABOVE 17000		
RAGGZ	331015.20N / 0850035.13W	Y	FB	TF	036.10	25.89	AT/ABOVE 15000		
En Route Transition									
PRICI	323222.41N / 0875725.66W	Y		IF					PRICI.RAGGZ1
LAMAZ	324716.10N / 0864834.14W	Y	FB	TF	075.35	60.00			
MOORE	325619.24N / 0860501.50W	Y	FB	TF	075.97	37.77	AT/ABOVE FL240		
PAALL	330319.81N / 0853019.96W	Y	FB	TF	076.36	30.00	AT/ABOVE 17000		
RAGGZ	331015.20N / 0850035.13W	Y	FB	TF	074.41	25.92	AT/ABOVE 15000		

QUALITY  
17  
CHECKED

QUALITY  
17  
CHECKED

## US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**STAR (DATA RECORD)**

Arrival Name RAGGZ (RNAV)	Number ONE	STAR Computer Code RAGGZ.RAGGZ1		Superseded Number NONE		Dated	Effective Date 15 SEPT 2016		
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
STTEF	330353.11N / 0861059.83W	Y		IF					STTEF.RAGGZ1
PAALL	330319.81N / 0853019.96W	Y	FB	TF	090.74	34.18	AT/ABOVE 17000		
RAGGZ	331015.20N / 0850035.13W	Y	FB	TF	074.41	25.92	AT/ABOVE 15000		
Common Route									
RAGGZ	331015.20N / 0850035.13W	Y		IF			AT/ABOVE 15000		RAGGZ.RAGGZ1
WARRR	332104.22N / 0844824.52W	Y	FB	TF	043.35	14.86	AT 12000		
Runway Transition									
WARRR	332104.22N / 0844824.52W	Y		IF			AT 12000		
RAIIN	334358.61N / 0843453.69W	Y	FB	TF	026.23	25.50			
KLOWD	334358.63N / 0842604.57W	Y	FB	TF	089.96	07.35			
POORS	334358.58N / 0841819.84W	Y	FB	TF	089.97	06.46			
KYMMY	334359.09N / 0840819.67W	Y	FB	TF	089.90	08.34			
KEAVY	334359.46N / 0840219.95W	Y	FO	TF	089.90	05.00			
KATL:RWY 26B				FM	089.90				RECOMMENDED NAVAID: ATL VORTAC
Runway Transition									
WARRR	332104.22N / 0844824.52W	Y		IF			AT 12000		
EAGYL	333212.45N / 0843504.50W	Y	FB	TF	045.04	15.75			
SHURT	333212.63N / 0842549.73W	Y	FB	TF	089.94	07.73			
SWETE	333212.81N / 0841827.09W	Y	FB	TF	089.94	06.17			
KRRIS	333213.06N / 0841224.94W	Y	FB	TF	089.92	05.05			
TAAMY	333213.34N / 0840626.04W	Y	FO	TF	089.92	05.00			
KATL:RWY 27B, RWY 28				FM	089.92				RECOMMENDED NAVAID: ATL VORTAC

QUALITY  
17  
CHECKED