Flight Procedure Tracking Form	Action: AMENDMENT	Task Type: STAR	Date Open: 07/13/2012	Task #: 2012071327604301001	Request #: 20120713276043
Procedure: STAR RIICE FIVE HOUSTON TX KIAH		Airport ID: KIAH	Airport: GEORGE BUSH INTERCONTINENTAL/HOUSTON		Reimbursable #:
City: HOUSTON	ST: TX	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID:	Fac. Type:	Specialist: JILL OLSON			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:				
QA:				
Liaison:				

Procedure Comments: ENROUTE

Remark Type: INFORMATION

HOUSTON, TX GEORGE BUSH INTERCONTINENTAL/HOUSTON (KIAH) RIICE FIVE STAR ENROUTE

ATTACHED FORMS 7100-4; 8260-2: ARNNE-INT, REV 6
CHANGED HOLDING PATTERN 2 DME DISTANCE FROM 16 TO 20.

CONTACT: JILL OLSON/STEVE BARNETT, AJV-353 LEADS, 405.954.0414/9568

Coding 7/18/12

JUL 20 2012

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
BILEE	BILEE.RIICE5	BILEE INT/TNV 55.04 DME	HOMRN INT/TNV 33.78 DME	154.40/21.26 (TNV R-334)	6000	1800		
			BAZBL INT/IAH 55.00 DME	133.00/15.28 (IAH R-313)	6000	1900		
			BAATS INT/IAH 46.00 DME	133.00/9.00 (IAH R-313)	5000	3000		
			RIICE INT/IAH 40.00 DME	133.00/6.00 (IAH R-313)	5000	1900		
ILEXY	ILEXY.RIICE5	ILEXY INT/CLL 37.34 DME	CLL VORTAC	058.31/37.34 (CLL R-238)	5000	2000		
			BAZBL	075.95/18.95 (CLL R-076)	5000	2000		
			BAATS	133.00/9.00 (IAH R-313)	5000	3000		
			RIICE	133.00/6.00 (IAH R-313)	5000	1900		
COLLEGE STATION	CLL.RIICE5	CLL VORTAC	BAZBL	075.95/18.95	5000	2000		
			BAATS	133.00/9.00 (IAH R-313)	5000	3000		
			RIICE	133.00/6.00 (IAH R-313)	5000	1900		

(2) Arrival Route Description:

GEORGE BUSH INTERCONTINENTAL AIRPORT/HOUSTON (IAH):

FROM OVER RIICE INT VIA IAH R-313.00 TO LYYTE INT (MEA 2100).

LANDING RUNWAY 26L/26R OR 27: FLY HEADING 085.00 FOR VECTORS TO FINAL APPROACH COURSE.

ALL OTHER RUNWAYS: EXPECT VECTORS TO FINAL APPROACH COURSE AT OR PRIOR TO LYYTE INT.

WILLIAM P. HOBBY (HOU) (ATC ASSIGNED):

FROM OVER RIICE INT VIA IAH R-313.00 TO LYYTE INT (MEA 2100), THEN VIA HUB R-331.67 TO UUSTN INT (MEA 2100), EXPECT VECTORS TO FINAL APPROACH COURSE AT OR PRIOR TO UUSTN INT.

DAVID WAYNE HOOKS MEMORIAL (DWH) AND LONE STAR EXECUTIVE (CXO):

FROM OVER RIICE INT VIA IAH R-313.00 TO LYYTE INT (MEA 2100), EXPECT VECTORS TO FINAL APPROACH COURSE AT OR PRIOR TO LYYTE INT.

(3) Procedural Data Notes:

NOTE: FOR CONVENTIONAL NAVIGATION EQUIPPED AIRCRAFT ONLY. DME/DME/IRU OR GPS EQUIPPED AIRCRAFT FILE VIA THE BAZBL (RNAV) STAR.

NOTE: ILEXY TRANSITION FOR AUSTIN TERMINAL AREA DEPARTURES ONLY.

NOTE: ATC ASSIGNED ONLY FOR AIRCRAFT LANDING HOU.

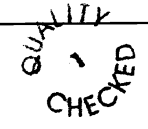
CHART: TURBOJETS: LANDING EAST AT IAH CROSS RIICE AT 250 KIAS, EXPECT CLEARANCE TO CROSS RIICE AT 10000.

CHART: TURBOJETS: LANDING WEST AT IAH EXPECT CLEARANCE TO CROSS RIICE AT 12000, CROSS BRKMN AT 250 KIAS.

NOTE: RADAR REQUIRED.

(4) Fixes and/or Holding Patterns:

SEE CONTINUATION BLOCK 16.



(5) Communications: HOUSTON APP CON. **ATIS:** IAH, DWH, CXO, HOU.

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

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(12) Airports Served

Airport Name	GEORGE BUSH INTERCONTINENTAL/HOUSTON	**City/State**	HOUSTON, TX
Airport Name	WILLIAM P. HOBBY	**City/State**	HOUSTON, TX
Airport Name	DAVID WAYNE HOOKS MEMORIAL	**City/State**	HOUSTON, TX
Airport Name	LONE STAR EXECUTIVE	**City/State**	HOUSTON, TX
Airport Name		**City/State**	
Airport Name		**City/State**	

(13) Lost Communications Procedure:

(14) Remarks:

CHART APPEARANCE: RETAIN FORMAT OF ARRIVAL ROUTE DESCRIPTION AS CURRENTLY PUBLISHED ON THE RIICE3 RNAV ARRIVAL.

(15) Additional Flight Data:

CHART: LLO TO HOMRN INT 130.81 DME; BRKMN INT AT IAH R-313/35.00 DME; MLRRR INT AT IAH R-313/20.00 DME; LYYTE INT AT IAH R-313/12.00 DME.

CHART: ACT R-093 TO TORNN INT; CVE R-216 TO LUKIY INT; LOA R-288 TO HOOTZ INT; LOA R-269 TO BILEE; LOA R-212 TO HOMRN INT; LOA R-181 TO BAZBL INT; TTT R-156 TO TORNN INT; CWK R-088 TO ILEXY; CLL R-310 TO ARNNE INT; TNV R-015 TO BAATS INT; TNV R-038 TO RIICE INT; TNV R-058 TO BRKMN INT; TNV R-094 TO MLRRR INT; DAS R-259 TO LYYTE INT; HUB R-332/10.00 DME TO UUSTN INT; MHF R-290 TO UUSTN INT.

CHART: LOA R-223.95 AT ARNNE INT.

CHART: CLL R-238/37.34 DME AT ILEXY.

CHART: CLL 18.95 DME AT BAZBL

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(16) Continuation:

(4) Fixes and/or Holding Patterns: (Cont'd)

CHART: ARNNE INT HOLD NW, RT, 130.00 INBOUND, 20 NM LEGS.

CHART: CHMPZ INT HOLD N, RT, 160.31 INBOUND.

CHART: TORNN INT HOLD NW, RT, 154.40 INBOUND.

CHART: BAZBL INT HOLD NW, LT, 133.00 INBOUND.

CHART: HOMRN INT HOLD NW, RT, 133.00 INBOUND.

CHART: RICCE INT HOLD NW, RT, 133.00 INBOUND.

QUALITY 1 CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

(1) Transition Routes CONT'D

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP/ FIX/NAVAID	(d) To RNAV WP/ FIX/NAVAID	(e) Magnetic Course/ Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
COWBOY	CVE.RIICE5	CVE VOR/DME	CHMPZ INT/20.00 DME	160.31/20.00	FL180			
			TORNN INT/CVE 84.39 DME	160.31/64.39 (CVE R-160)	FL180			
			HOOTZ INT/TNV 65.00 DME	154.40/12.42 (TNV R-334)	FL180			
			BILEE INT/TNV 55.04 DME	154.40/9.96 (TNV R-334)	FL180			
			HOMRN	154.40/21.26 (TNV R-334)	6000	1800		
			BAZBL	133.00/15.28 (IAH R-313)	6000	1900		
			BAATS	133.00/9.00 (IAH R-313)	5000	3000		
			RIICE	133.00/6.00 (IAH R-313)	5000	1900		
LEONA	LOA.RIICE5	LOA VORTAC	BAZBL	180.97/29.46	5000	1900		
			BAATS	133.00/9.00 (IAH R-313)	5000	3000		
			RIICE	133.00/6.00 (IAH R-313)	5000	1900		
LLANO	LLO.RIICE5	LLO VORTAC	HOMRN INT/LLO 130.81 DME	080.57/130.81	FL195			
			BAZBL	133.00/15.28 (IAH R-313)	6000	1900		
			BAATS	133.00/9.00 (IAH R-313)	5000	3000		
			RIICE	133.00/6.00 (IAH R-313)	5000	1900		
MILLSAP	MQP.RIICE5	MQP VORTAC	LUKIY INT/35.00 DME	124.30/35.00	FL180			
			TORNN/MQP 104.50 DME	124.30/69.50 (MQP R-124)	FL180			
			HOOTZ	154.40/12.42 (TNV R-334)	FL180			
			BILEE	154.40/9.96 (TNV R-334)	FL180			
			HOMRN	154.40/21.26 (TNV R-334)	6000	1800		
			BAZBL	133.00/15.28 (IAH R-313)	6000	1900		
			BAATS	133.00/9.00 (IAH R-313)	5000	3000		
			RIICE	133.00/6.00 (IAH R-313)	5000	1900		

(17) Changes:

1. ADDED 20 NM LEGS TO CHARTING FOR ARNNE HOLDING.

(18) Reasons for Changes:

1. AIR TRAFFIC REQUEST.

	Name *(Typed and Signed)*, Title and Organization		DATE
Developed By	MIKE MCGHEE SUPPORT MANAGER OPERATIONS SUPPORT, HOUSTON ARTC CENTER		08/18/2011
Approved	**NFPO**	LARRY STROUT, MANAGER, AJV-353	
	Reg. ATD		

QUALITY CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

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(19) Graphic Depiction:

(SEE ATTACHMENT)

QUALITY 1 CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

FAA Form 7100-4 (7/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        CLL   K4011330VTLA N30361801W096251445    N30361801W096251445E0080002751     NARCOLLEGE STATION
        SUSAD        CVE   K4011620VDHW N32532512W096541427    N32532512W096541427E0060004502     NARCOWBOY
        SUSAD        IAH   K4011660VTHA N29572490W095204459    N29572490W095204459E0050000902     NARHUMBLE
        SUSAD        LLO   K4010820VTLA N30474683W098471460    N30474683W098471460E0080012071     NARLLANO
        SUSAD        LOA   K4011080VTLW N31072646W095580464    N31072646W095580464E0080003461     NARLEONA
        SUSAD        MQP   K4011770VTHW N32433425W097595079    N32433425W097595079E0090009002     NARMILLSAP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAATS K40    C   B N30313604W095562284                    E0034     NAR          BAATS
        SUSAEAENRT   BAZBL K40    C   B N30381618W096032410                    E0035     NAR          BAZBL
        SUSAEAENRT   BILEE K40    C   B N31095225W096225362                    E0036     NAR          BILEE
        SUSAEAENRT   BRKMN K40    C   B N30232645W095474927                    E0033     NAR          BRKMN
        SUSAEAENRT   CHMPZ K40    C   B N32335677W096483822                    E0039     NAR          CHMPZ
        SUSAEAENRT   HOMRN K40    C   B N30493468W096152147                    E0036     NAR          HOMRN
        SUSAEAENRT   HOOTZ K40    C   B N31192255W096262653                    E0037     NAR          HOOTZ
        SUSAEAENRT   ILEXY K40    C   L N30211000W097044546                    E0041     NAR          ILEXY
        SUSAEAENRT   LUKIY K40    C   H N32192744W097294727                    E0043     NAR          LUKIY
        SUSAEAENRT   LYYTE K40    C   L N30062093W095300002                    E0031     NAR          LYYTE
        SUSAEAENRT   MLRRR K40    C   L N30121791W095361124                    E0032     NAR          MLRRR
        SUSAEAENRT   RIICE K40    C   B N30270906W095514254                    E0033     NAR          RIICE
        SUSAEAENRT   TORNN K40    C   H N31311339W096305296                    E0037     NAR          TORNN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCXOK4ACXO     0     060YHN30210850W095245230E005000245        1800018000C    MNAR    LONE STAR EXECUTIVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCXOK4ERIICE51BILEE 010BILEEK4EA0E       IF                                    18000
        SUSAP KCXOK4ERIICE51BILEE 020HOMRNK4EA0E  H    TF                15440213
        SUSAP KCXOK4ERIICE51BILEE 030BAZBLK4EA0E  H    TF                13300153
        SUSAP KCXOK4ERIICE51BILEE 040BAATSK4EA0E       TF                13300090
        SUSAP KCXOK4ERIICE51BILEE 050RIICEK4EA0EE H    TF                13300060
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QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

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SUSAP KCXOK4ERIICE51CLL   010CLL  K4D 0V       IF                                    18000
SUSAP KCXOK4ERIICE51CLL   020BAZBLK4EA0E  H    TF                  07600190
SUSAP KCXOK4ERIICE51CLL   030BAATSK4EA0E       TF                  13300090
SUSAP KCXOK4ERIICE51CLL   040RIICEK4EA0EE H    TF                  13300060
SUSAP KCXOK4ERIICE51CVE   010CVE  K4D 0V       IF                                    18000
SUSAP KCXOK4ERIICE51CVE   020CHMPZK4EA0E  H    TF                  16030200
SUSAP KCXOK4ERIICE51CVE   030TORNNK4EA0E  H    TF                  16030644
SUSAP KCXOK4ERIICE51CVE   040HOOTZK4EA0E       TF                  15440124
SUSAP KCXOK4ERIICE51CVE   050BILEEK4EA0E       TF                  15440100
SUSAP KCXOK4ERIICE51CVE   060HOMRNK4EA0E  H    TF                  15440213
SUSAP KCXOK4ERIICE51CVE   070BAZBLK4EA0E  H    TF                  13300153
SUSAP KCXOK4ERIICE51CVE   080BAATSK4EA0E       TF                  13300090
SUSAP KCXOK4ERIICE51CVE   090RIICEK4EA0EE H    TF                  13300060
SUSAP KCXOK4ERIICE51ILEXY 010ILEXYK4EA0E       IF                                    18000
SUSAP KCXOK4ERIICE51ILEXY 020CLL  K4D 0V       TF                  05830373
SUSAP KCXOK4ERIICE51ILEXY 030BAZBLK4EA0E  H    TF                  07600190
SUSAP KCXOK4ERIICE51ILEXY 040BAATSK4EA0E       TF                  13300090
SUSAP KCXOK4ERIICE51ILEXY 050RIICEK4EA0EE H    TF                  13300060
SUSAP KCXOK4ERIICE51LLO   010LLO  K4D 0V       IF                                    18000
SUSAP KCXOK4ERIICE51LLO   020HOMRNK4EA0E  H    TF                  08061308
SUSAP KCXOK4ERIICE51LLO   030BAZBLK4EA0E  H    TF                  13300153
SUSAP KCXOK4ERIICE51LLO   040BAATSK4EA0E       TF                  13300090
SUSAP KCXOK4ERIICE51LLO   050RIICEK4EA0EE H    TF                  13300060
SUSAP KCXOK4ERIICE51LOA   010LOA  K4D 0V       IF                                    18000
SUSAP KCXOK4ERIICE51LOA   020BAZBLK4EA0E  H    TF                  18100295
SUSAP KCXOK4ERIICE51LOA   030BAATSK4EA0E       TF                  13300090
SUSAP KCXOK4ERIICE51LOA   040RIICEK4EA0EE H    TF                  13300060
SUSAP KCXOK4ERIICE51MQP   010MQP  K4D 0V       IF                                    18000
SUSAP KCXOK4ERIICE51MQP   020LUKIYK4EA0E       TF                  12430350
SUSAP KCXOK4ERIICE51MQP   030TORNNK4EA0E  H    TF                  12430695
SUSAP KCXOK4ERIICE51MQP   040HOOTZK4EA0E       TF                  15440124
SUSAP KCXOK4ERIICE51MQP   050BILEEK4EA0E       TF                  15440100
SUSAP KCXOK4ERIICE51MQP   060HOMRNK4EA0E  H    TF                  15440213
SUSAP KCXOK4ERIICE51MQP   070BAZBLK4EA0E  H    TF                  13300153
SUSAP KCXOK4ERIICE51MQP   080BAATSK4EA0E       TF                  13300090
SUSAP KCXOK4ERIICE51MQP   090RIICEK4EA0EE H    TF                  13300060
SUSAP KCXOK4ERIICE52ALL   010RIICEK4EA0E  H    IF                                    18000
SUSAP KCXOK4ERIICE52ALL   020BRKMNK4EA0E       TF                  1330
SUSAP KCXOK4ERIICE52ALL   030MLRRRK4EA0E       TF                  1330
SUSAP KCXOK4ERIICE52ALL   040LYYTEK4EA0E       TF                  1330
SUSAP KCXOK4ERIICE52ALL   050LYYTEK4EA0EE      FM IAH K4      313001201330    D
          1         2         3         4         5         6         7         8         9         0         1         2         3
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

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RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCXOK4GRW01    0050000122 N30204423W095251013+0000    +00425002300000049100R
        SUSAP KCXOK4GRW14    0060001405 N30212867W095250010+0200    +00428002310589471501ICXO1
        SUSAP KCXOK4GRW19    0050001922 N30213151W095245328+0000    +00422002290000049100R
        SUSAP KCXOK4GRW32    0060003205 N30204454W095242510-0200    +00460002410000045150R
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QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

FAA Form 7100-3 (9/02)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BILEE	BILEE	010		IF		FB					
	BILEE	HOMRN	020		TF		FB		154.4()	021.3		
	BILEE	BAZBL	030		TF		FB		133.0()	015.3		
	BILEE	BAATS	040		TF		FB		133.0()	009.0		
	BILEE	RIICE	050		TF		FB		133.0()	006.0		
	CLL	CLL	010		IF		FB					
	CLL	BAZBL	020		TF		FB		076.0()	019.0		
	CLL	BAATS	030		TF		FB		133.0()	009.0		
	CLL	RIICE	040		TF		FB		133.0()	006.0		
	CVE	CVE	010		IF		FB					
	CVE	CHMPZ	020		TF		FB		160.3()	020.0		
	CVE	TORNN	030		TF		FB		160.3()	064.4		
	CVE	HOOTZ	040		TF		FB		154.4()	012.4		
	CVE	BILEE	050		TF		FB		154.4()	010.0		
	CVE	HOMRN	060		TF		FB		154.4()	021.3		
	CVE	BAZBL	070		TF		FB		133.0()	015.3		
	CVE	BAATS	080		TF		FB		133.0()	009.0		
	CVE	RIICE	090		TF		FB		133.0()	006.0		
	ILEXY	ILEXY	010		IF		FB					
	ILEXY	CLL	020		TF		FB		058.3()	037.3		
	ILEXY	BAZBL	030		TF		FB		076.0()	019.0		
	ILEXY	BAATS	040		TF		FB		133.0()	009.0		
	ILEXY	RIICE	050		TF		FB		133.0()	006.0		
	LLO	LLO	010		IF		FB					
	LLO	HOMRN	020		TF		FB		080.6()	130.8		
	LLO	BAZBL	030		TF		FB		133.0()	015.3		
	LLO	BAATS	040		TF		FB		133.0()	009.0		
	LLO	RIICE	050		TF		FB		133.0()	006.0		
	LOA	LOA	010		IF		FB					
	LOA	BAZBL	020		TF		FB		181.0()	029.5		
	LOA	BAATS	030		TF		FB		133.0()	009.0		
	LOA	RIICE	040		TF		FB		133.0()	006.0		
	MQP	MQP	010		IF		FB					
	MQP	LUKIY	020		TF		FB		124.3()	035.0		
	MQP	TORNN	030		TF		FB		124.3()	069.5		
	MQP	HOOTZ	040		TF		FB		154.4()	012.4		
	MQP	BILEE	050		TF		FB		154.4()	010.0		
	MQP	HOMRN	060		TF		FB		154.4()	021.3		

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

MQP	BAZBL	070	TF	FB	133.0()	015.3
MQP	BAATS	080	TF	FB	133.0()	009.0
MQP	RIICE	090	TF	FB	133.0()	006.0
ALL	RIICE	010	IF	FB		
ALL	BRKMN	020	TF	FB	133.0()	
ALL	MLRRR	030	TF	FB	133.0()	
ALL	LYYTE	040	TF	FB	133.0()	
ALL	LYYTE	050	FM	FB	133.0()	

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
CLL	N303618.01	W0962514.45	N3036.300	W09625.241
CVE	N325325.12	W0965414.27	N3253.419	W09654.238
IAH	N295724.90	W0952044.59	N2957.415	W09520.743
LLO	N304746.83	W0984714.60	N3047.781	W09847.243
LOA	N310726.46	W0955804.64	N3107.441	W09558.077
MQP	N324334.25	W0975950.79	N3243.571	W09759.847
BAATS	N303136.04	W0955622.84	N3031.601	W09556.381
BAZBL	N303816.18	W0960324.10	N3038.270	W09603.402
BILEE	N310952.25	W0962253.62	N3109.871	W09622.894
BRKMN	N302326.45	W0954749.27	N3023.441	W09547.821
CHMPZ	N323356.77	W0964838.22	N3233.946	W09648.637
HOMRN	N304934.68	W0961521.47	N3049.578	W09615.358
HOOTZ	N311922.55	W0962626.53	N3119.376	W09626.442
ILEXY	N302110.00	W0970445.46	N3021.167	W09704.758
LUKIY	N321927.44	W0972947.27	N3219.457	W09729.788
LYYTE	N300620.93	W0953000.02	N3006.349	W09530.000
MLRRR	N301217.91	W0953611.24	N3012.299	W09536.187
RIICE	N302709.06	W0955142.54	N3027.151	W09551.709
TORNN	N313113.39	W0963052.96	N3131.223	W09630.883
RW01	N302044.23	W0952510.13	N3020.737	W09525.169
RW14	N302128.67	W0952500.10	N3021.478	W09525.002
RW19	N302131.51	W0952453.28	N3021.525	W09524.888
RW32	N302044.54	W0952425.10	N3020.742	W09524.418

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW01	00230	49
RW14	00231	47
RW19	00229	49
RW32	00241	45

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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        SUSAD        CVE   K4011620VDHW N32532512W096541427    N32532512W096541427E0060004502     NARCOWBOY
        SUSAD        IAH   K4011660VTHA N29572490W095204459    N29572490W095204459E0050000902     NARHUMBLE
        SUSAD        LLO   K4010820VTLA N30474683W098471460    N30474683W098471460E0080012071     NARLLANO
        SUSAD        LOA   K4011080VTLW N31072646W095580464    N31072646W095580464E0080003461     NARLEONA
        SUSAD        MQP   K4011770VTHW N32433425W097595079    N32433425W097595079E0090009002     NARMILLSAP

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        SUSAEAENRT   BAZBL K40    C   B N30381618W096032410                    E0035     NAR          BAZBL
        SUSAEAENRT   BILEE K40    C   B N31095225W096225362                    E0036     NAR          BILEE
        SUSAEAENRT   BRKMN K40    C   B N30232645W095474927                    E0033     NAR          BRKMN
        SUSAEAENRT   CHMPZ K40    C   B N32335677W096483822                    E0039     NAR          CHMPZ
        SUSAEAENRT   HOMRN K40    C   B N30493468W096152147                    E0036     NAR          HOMRN
        SUSAEAENRT   HOOTZ K40    C   B N31192255W096262653                    E0037     NAR          HOOTZ
        SUSAEAENRT   ILEXY K40    C   L N30211000W097044546                    E0041     NAR          ILEXY
        SUSAEAENRT   LUKIY K40    C   H N32192744W097294727                    E0043     NAR          LUKIY
        SUSAEAENRT   LYYTE K40    C   L N30062093W095300002                    E0031     NAR          LYYTE
        SUSAEAENRT   MLRRR K40    C   L N30121791W095361124                    E0032     NAR          MLRRR
        SUSAEAENRT   RIICE K40    C   B N30270906W095514254                    E0033     NAR          RIICE
        SUSAEAENRT   TORNN K40    C   H N31311339W096305296                    E0037     NAR          TORNN

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AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KDWHK4ADWH     0     070YHN30034260W095331000E005000152        1800018000C    MNAR    DAVID WAYNE HOOKS MEMORIAL

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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KDWHK4ERIICE51BILEE 020HOMRNK4EA0E  H    TF                15440213
        SUSAP KDWHK4ERIICE51BILEE 030BAZBLK4EA0E  H    TF                13300153
        SUSAP KDWHK4ERIICE51BILEE 040BAATSK4EA0E       TF                13300090
        SUSAP KDWHK4ERIICE51BILEE 050RIICEK4EA0EE H    TF                13300060
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

FAA Form 7100-3 (9/02)

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SUSAP KDWHK4ERIICE51CLL   010CLL  K4D 0V       IF                                    18000
SUSAP KDWHK4ERIICE51CLL   020BAZBLK4EA0E  H    TF                  07600190
SUSAP KDWHK4ERIICE51CLL   030BAATSK4EA0E       TF                  13300090
SUSAP KDWHK4ERIICE51CLL   040RIICEK4EA0EE H    TF                  13300060
SUSAP KDWHK4ERIICE51CVE   010CVE  K4D 0V       IF                                    18000
SUSAP KDWHK4ERIICE51CVE   020CHMPZK4EA0E  H    TF                  16030200
SUSAP KDWHK4ERIICE51CVE   030TORNNK4EA0E  H    TF                  16030644
SUSAP KDWHK4ERIICE51CVE   040HOOTZK4EA0E       TF                  15440124
SUSAP KDWHK4ERIICE51CVE   050BILEEK4EA0E       TF                  15440100
SUSAP KDWHK4ERIICE51CVE   060HOMRNK4EA0E  H    TF                  15440213
SUSAP KDWHK4ERIICE51CVE   070BAZBLK4EA0E  H    TF                  13300153
SUSAP KDWHK4ERIICE51CVE   080BAATSK4EA0E       TF                  13300090
SUSAP KDWHK4ERIICE51CVE   090RIICEK4EA0EE H    TF                  13300060
SUSAP KDWHK4ERIICE51ILEXY 010ILEXYK4EA0E       IF                                    18000
SUSAP KDWHK4ERIICE51ILEXY 020CLL  K4D 0V       TF                  05830373
SUSAP KDWHK4ERIICE51ILEXY 030BAZBLK4EA0E  H    TF                  07600190
SUSAP KDWHK4ERIICE51ILEXY 040BAATSK4EA0E       TF                  13300090
SUSAP KDWHK4ERIICE51ILEXY 050RIICEK4EA0EE H    TF                  13300060
SUSAP KDWHK4ERIICE51LLO   010LLO  K4D 0V       IF                                    18000
SUSAP KDWHK4ERIICE51LLO   020HOMRNK4EA0E  H    TF                  08061308
SUSAP KDWHK4ERIICE51LLO   030BAZBLK4EA0E  H    TF                  13300153
SUSAP KDWHK4ERIICE51LLO   040BAATSK4EA0E       TF                  13300090
SUSAP KDWHK4ERIICE51LLO   050RIICEK4EA0EE H    TF                  13300060
SUSAP KDWHK4ERIICE51LOA   010LOA  K4D 0V       IF                                    18000
SUSAP KDWHK4ERIICE51LOA   020BAZBLK4EA0E  H    TF                  18100295
SUSAP KDWHK4ERIICE51LOA   030BAATSK4EA0E       TF                  13300090
SUSAP KDWHK4ERIICE51LOA   040RIICEK4EA0EE H    TF                  13300060
SUSAP KDWHK4ERIICE51MQP   010MQP  K4D 0V       IF                                    18000
SUSAP KDWHK4ERIICE51MQP   020LUKIYK4EA0E       TF                  12430350
SUSAP KDWHK4ERIICE51MQP   030TORNNK4EA0E  H    TF                  12430695
SUSAP KDWHK4ERIICE51MQP   040HOOTZK4EA0E       TF                  15440124
SUSAP KDWHK4ERIICE51MQP   050BILEEK4EA0E       TF                  15440100
SUSAP KDWHK4ERIICE51MQP   060HOMRNK4EA0E  H    TF                  15440213
SUSAP KDWHK4ERIICE51MQP   070BAZBLK4EA0E  H    TF                  13300153
SUSAP KDWHK4ERIICE51MQP   080BAATSK4EA0E       TF                  13300090
SUSAP KDWHK4ERIICE51MQP   090RIICEK4EA0EE H    TF                  13300060
SUSAP KDWHK4ERIICE52ALL   010RIICEK4EA0E  H    IF                                    18000
SUSAP KDWHK4ERIICE52ALL   020BRKMNK4EA0E       TF                  1330
SUSAP KDWHK4ERIICE52ALL   030MLRRRK4EA0E       TF                  1330
SUSAP KDWHK4ERIICE52ALL   040LYYTEK4EA0E       TF                  1330
SUSAP KDWHK4ERIICE52ALL   050LYYTEK4EA0EE      FM IAH K4      313001201330    D
          1         2         3         4         5         6         7         8         9         0         1         2         3
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

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RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KDWHK4GRW35L   0070093478 N30031510W095330727+0100    +0016600145000045100R
        SUSAP KDWHK4GRW35R   0039873478 N30031303W095330333+0200    +0016300144020850035D
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

FAA Form 7100-3 (9/02)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BILEE	BILEE	010		IF		FB					
	BILEE	HOMRN	020		TF		FB		154.4()	021.3		
	BILEE	BAZBL	030		TF		FB		133.0()	015.3		
	BILEE	BAATS	040		TF		FB		133.0()	009.0		
	BILEE	RIICE	050		TF		FB		133.0()	006.0		
	CLL	CLL	010		IF		FB					
	CLL	BAZBL	020		TF		FB		076.0()	019.0		
	CLL	BAATS	030		TF		FB		133.0()	009.0		
	CLL	RIICE	040		TF		FB		133.0()	006.0		
	CVE	CVE	010		IF		FB					
	CVE	CHMPZ	020		TF		FB		160.3()	020.0		
	CVE	TORNN	030		TF		FB		160.3()	064.4		
	CVE	HOOTZ	040		TF		FB		154.4()	012.4		
	CVE	BILEE	050		TF		FB		154.4()	010.0		
	CVE	HOMRN	060		TF		FB		154.4()	021.3		
	CVE	BAZBL	070		TF		FB		133.0()	015.3		
	CVE	BAATS	080		TF		FB		133.0()	009.0		
	CVE	RIICE	090		TF		FB		133.0()	006.0		
	ILEXY	ILEXY	010		IF		FB					
	ILEXY	CLL	020		TF		FB		058.3()	037.3		
	ILEXY	BAZBL	030		TF		FB		076.0()	019.0		
	ILEXY	BAATS	040		TF		FB		133.0()	009.0		
	ILEXY	RIICE	050		TF		FB		133.0()	006.0		
	LLO	LLO	010		IF		FB					
	LLO	HOMRN	020		TF		FB		080.6()	130.8		
	LLO	BAZBL	030		TF		FB		133.0()	015.3		
	LLO	BAATS	040		TF		FB		133.0()	009.0		
	LLO	RIICE	050		TF		FB		133.0()	006.0		
	LOA	LOA	010		IF		FB					
	LOA	BAZBL	020		TF		FB		181.0()	029.5		
	LOA	BAATS	030		TF		FB		133.0()	009.0		
	LOA	RIICE	040		TF		FB		133.0()	006.0		
	MQP	MQP	010		IF		FB					
	MQP	LUKIY	020		TF		FB		124.3()	035.0		
	MQP	TORNN	030		TF		FB		124.3()	069.5		
	MQP	HOOTZ	040		TF		FB		154.4()	012.4		
	MQP	BILEE	050		TF		FB		154.4()	010.0		
	MQP	HOMRN	060		TF		FB		154.4()	021.3		

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

MQP	BAZBL	070	TF	FB	133.0()	015.3
MQP	BAATS	080	TF	FB	133.0()	009.0
MQP	RIICE	090	TF	FB	133.0()	006.0
ALL	RIICE	010	IF	FB		
ALL	BRKMN	020	TF	FB	133.0()	
ALL	MLRRR	030	TF	FB	133.0()	
ALL	LYYTE	040	TF	FB	133.0()	
ALL	LYYTE	050	FM	FB	133.0()	

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
CLL	N303618.01	W0962514.45	N3036.300	W09625.241
CVE	N325325.12	W0965414.27	N3253.419	W09654.238
IAH	N295724.90	W0952044.59	N2957.415	W09520.743
LLO	N304746.83	W0984714.60	N3047.781	W09847.243
LOA	N310726.46	W0955804.64	N3107.441	W09558.077
MQP	N324334.25	W0975950.79	N3243.571	W09759.847
BAATS	N303136.04	W0955622.84	N3031.601	W09556.381
BAZBL	N303816.18	W0960324.10	N3038.270	W09603.402
BILEE	N310952.25	W0962253.62	N3109.871	W09622.894
BRKMN	N302326.45	W0954749.27	N3023.441	W09547.821
CHMPZ	N323356.77	W0964838.22	N3233.946	W09648.637
HOMRN	N304934.68	W0961521.47	N3049.578	W09615.358
HOOTZ	N311922.55	W0962626.53	N3119.376	W09626.442
ILEXY	N302110.00	W0970445.46	N3021.167	W09704.758
LUKIY	N321927.44	W0972947.27	N3219.457	W09729.788
LYYTE	N300620.93	W0953000.02	N3006.349	W09530.000
MLRRR	N301217.91	W0953611.24	N3012.299	W09536.187
RIICE	N302709.06	W0955142.54	N3027.151	W09551.709
TORNN	N313113.39	W0963052.96	N3131.223	W09630.883
RW17L	N300350.14	W0953308.69	N3003.836	W09533.145
RW17R	N300414.04	W0953315.88	N3004.234	W09533.265
RW35L	N300315.10	W0953307.27	N3003.252	W09533.121
RW35R	N300313.03	W0953303.33	N3003.217	W09533.056

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW17L	00150	50
RW17R	00152	52
RW35L	00145	45
RW35R	00144	50

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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        SUSAD        CVE   K4011620VDHW N32532512W096541427    N32532512W096541427E0060004502     NARCOWBOY
        SUSAD        HUB   K4011710VDHW N29392026W095163592    N29392026W095163592E0050000822     NARHOBBY
        SUSAD        LLO   K4010820VTLA N30474683W098471460    N30474683W098471460E0080012071     NARLLANO
        SUSAD        LOA   K4011080VTLW N31072646W095580464    N31072646W095580464E0080003461     NARLEONA
        SUSAD        MQP   K4011770VTHW N32433425W097595079    N32433425W097595079E0090009002     NARMILLSAP

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        SUSAEAENRT   BAZBL K40    C   B N30381618W096032410                    E0035     NAR          BAZBL
        SUSAEAENRT   BILEE K40    C   B N31095225W096225362                    E0036     NAR          BILEE
        SUSAEAENRT   BRKMN K40    C   B N30232645W095474927                    E0033     NAR          BRKMN
        SUSAEAENRT   CHMPZ K40    C   B N32335677W096483822                    E0039     NAR          CHMPZ
        SUSAEAENRT   HOMRN K40    C   B N30493468W096152147                    E0036     NAR          HOMRN
        SUSAEAENRT   HOOTZ K40    C   B N31192255W096262653                    E0037     NAR          HOOTZ
        SUSAEAENRT   ILEXY K40    C   L N30211000W097044546                    E0041     NAR          ILEXY
        SUSAEAENRT   LUKIY K40    C   H N32192744W097294727                    E0043     NAR          LUKIY
        SUSAEAENRT   LYYTE K40    C   L N30062093W095300002                    E0031     NAR          LYYTE
        SUSAEAENRT   MLRRR K40    C   L N30121791W095361124                    E0032     NAR          MLRRR
        SUSAEAENRT   RIICE K40    C   B N30270906W095514254                    E0033     NAR          RIICE
        SUSAEAENRT   TORNN K40    C   H N31311339W096305296                    E0037     NAR          TORNN
        SUSAEAENRT   UUSTN K40    R   L N29483247W095210907                    E0031     NAR          UUSTN

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        SUSAP KHOUK4AHOU     0     076YHN29384351W095164400E005000046          1800018000C    MNAR    WILLIAM P HOBBY

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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KHOUK4ERIICE51BILEE 020HOMRNK4EA0E  H    TF                   15440213
        SUSAP KHOUK4ERIICE51BILEE 030BAZBLK4EA0E  H    TF                   13300153
        SUSAP KHOUK4ERIICE51BILEE 040BAATSK4EA0E       TF                   13300090
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QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

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SUSAP KHOUK4ERIICE51BILEE 050RIICEK4EA0EE H    TF                    13300060
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SUSAP KHOUK4ERIICE51CLL   030BAATSK4EA0E       TF                    13300090
SUSAP KHOUK4ERIICE51CLL   040RIICEK4EA0EE H    TF                    13300060
SUSAP KHOUK4ERIICE51CVE   010CVE  K4D 0V       IF                                    18000
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SUSAP KHOUK4ERIICE51CVE   030TORNNK4EA0E  H    TF                    16030644
SUSAP KHOUK4ERIICE51CVE   040HOOTZK4EA0E       TF                    15440124
SUSAP KHOUK4ERIICE51CVE   050BILEEK4EA0E       TF                    15440100
SUSAP KHOUK4ERIICE51CVE   060HOMRNK4EA0E  H    TF                    15440213
SUSAP KHOUK4ERIICE51CVE   070BAZBLK4EA0E  H    TF                    13300153
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SUSAP KHOUK4ERIICE51CVE   090RIICEK4EA0EE H    TF                    13300060
SUSAP KHOUK4ERIICE51ILEXY 010ILEXYK4EA0E       IF                                    18000
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SUSAP KHOUK4ERIICE51ILEXY 050RIICEK4EA0EE H    TF                    13300060
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SUSAP KHOUK4ERIICE51LLO   030BAZBLK4EA0E  H    TF                    13300153
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SUSAP KHOUK4ERIICE51LLO   050RIICEK4EA0EE H    TF                    13300060
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SUSAP KHOUK4ERIICE51LOA   030BAATSK4EA0E       TF                    13300090
SUSAP KHOUK4ERIICE51LOA   040RIICEK4EA0EE H    TF                    13300060
SUSAP KHOUK4ERIICE51MQP   010MQP  K4D 0V       IF                                    18000
SUSAP KHOUK4ERIICE51MQP   020LUKIYK4EA0E       TF                    12430350
SUSAP KHOUK4ERIICE51MQP   030TORNNK4EA0E  H    TF                    12430695
SUSAP KHOUK4ERIICE51MQP   040HOOTZK4EA0E       TF                    15440124
SUSAP KHOUK4ERIICE51MQP   050BILEEK4EA0E       TF                    15440100
SUSAP KHOUK4ERIICE51MQP   060HOMRNK4EA0E  H    TF                    15440213
SUSAP KHOUK4ERIICE51MQP   070BAZBLK4EA0E  H    TF                    13300153
SUSAP KHOUK4ERIICE51MQP   080BAATSK4EA0E       TF                    13300090
SUSAP KHOUK4ERIICE51MQP   090RIICEK4EA0EE H    TF                    13300060
SUSAP KHOUK4ERIICE52ALL   010RIICEK4EA0E  H    IF                                    18000
SUSAP KHOUK4ERIICE52ALL   020BRKMNK4EA0E       TF                    1330
SUSAP KHOUK4ERIICE52ALL   030MLRRRK4EA0E       TF                    1330
SUSAP KHOUK4ERIICE52ALL   040LYYTEK4EA0E       TF                    1330
SUSAP KHOUK4ERIICE52ALL   050UUSTNK4EA0E       TF                    1517
SUSAP KHOUK4ERIICE52ALL   060UUSTNK4EA0EE      FM HUB K4      331701001517    D
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

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                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KHOUK4GRW04    0076020390 N29382080W095170716+0000    -0014300042000058150IIHUB3
        SUSAP KHOUK4GRW12L   0051481289 N29390938W095170194-0100    -0013400045000060100V
        SUSAP KHOUK4GRW12R   0076021290 N29385626W095165941+0000    -0013000046103449150IIPRQ1
        SUSAP KHOUK4GRW17    0060001739 N29390850W095170480+0000    -0013400045000040150R
        SUSAP KHOUK4GRW22    0076022190 N29391497W095160736+0000    -0015200039000052150RIOIB0
        SUSAP KHOUK4GRW30L   0076023090 N29381113W095160582+0000    -0014400042000058150IIUPU1
        SUSAP KHOUK4GRW30R   0051483089 N29383402W095161993+0100    -0015000040000050100D
        SUSAP KHOUK4GRW35    0060003539 N29380912W095170354+0000    -0014000043000041150R
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BILEE	BILEE	010		IF		FB					
	BILEE	HOMRN	020		TF		FB		154.4()	021.3		
	BILEE	BAZBL	030		TF		FB		133.0()	015.3		
	BILEE	BAATS	040		TF		FB		133.0()	009.0		
	BILEE	RIICE	050		TF		FB		133.0()	006.0		
	CLL	CLL	010		IF		FB					
	CLL	BAZBL	020		TF		FB		076.0()	019.0		
	CLL	BAATS	030		TF		FB		133.0()	009.0		
	CLL	RIICE	040		TF		FB		133.0()	006.0		
	CVE	CVE	010		IF		FB					
	CVE	CHMPZ	020		TF		FB		160.3()	020.0		
	CVE	TORNN	030		TF		FB		160.3()	064.4		
	CVE	HOOTZ	040		TF		FB		154.4()	012.4		
	CVE	BILEE	050		TF		FB		154.4()	010.0		
	CVE	HOMRN	060		TF		FB		154.4()	021.3		
	CVE	BAZBL	070		TF		FB		133.0()	015.3		
	CVE	BAATS	080		TF		FB		133.0()	009.0		
	CVE	RIICE	090		TF		FB		133.0()	006.0		
	ILEXY	ILEXY	010		IF		FB					
	ILEXY	CLL	020		TF		FB		058.3()	037.3		
	ILEXY	BAZBL	030		TF		FB		076.0()	019.0		
	ILEXY	BAATS	040		TF		FB		133.0()	009.0		
	ILEXY	RIICE	050		TF		FB		133.0()	006.0		
	LLO	LLO	010		IF		FB					
	LLO	HOMRN	020		TF		FB		080.6()	130.8		
	LLO	BAZBL	030		TF		FB		133.0()	015.3		
	LLO	BAATS	040		TF		FB		133.0()	009.0		
	LLO	RIICE	050		TF		FB		133.0()	006.0		
	LOA	LOA	010		IF		FB					
	LOA	BAZBL	020		TF		FB		181.0()	029.5		
	LOA	BAATS	030		TF		FB		133.0()	009.0		
	LOA	RIICE	040		TF		FB		133.0()	006.0		
	MQP	MQP	010		IF		FB					
	MQP	LUKIY	020		TF		FB		124.3()	035.0		
	MQP	TORNN	030		TF		FB		124.3()	069.5		
	MQP	HOOTZ	040		TF		FB		154.4()	012.4		
	MQP	BILEE	050		TF		FB		154.4()	010.0		
	MQP	HOMRN	060		TF		FB		154.4()	021.3		

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

MQP	BAZBL	070	TF	FB	133.0()	015.3
MQP	BAATS	080	TF	FB	133.0()	009.0
MQP	RIICE	090	TF	FB	133.0()	006.0
ALL	RIICE	010	IF	FB		
ALL	BRKMN	020	TF	FB	133.0()	
ALL	MLRRR	030	TF	FB	133.0()	
ALL	LYYTE	040	TF	FB	133.0()	
ALL	UUSTN	050	TF	FB	151.7()	
ALL	UUSTN	060	FM	FB	151.7()	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CLL	N303618.01	W0962514.45	N3036.300	W09625.241
	CVE	N325325.12	W0965414.27	N3253.419	W09654.238
	HUB	N293920.26	W0951635.92	N2939.338	W09516.599
	LLO	N304746.83	W0984714.60	N3047.781	W09847.243
	LOA	N310726.46	W0955804.64	N3107.441	W09558.077
	MQP	N324334.25	W0975950.79	N3243.571	W09759.847
	BAATS	N303136.04	W0955622.84	N3031.601	W09556.381
	BAZBL	N303816.18	W0960324.10	N3038.270	W09603.402
	BILEE	N310952.25	W0962253.62	N3109.871	W09622.894
	BRKMN	N302326.45	W0954749.27	N3023.441	W09547.821
	CHMPZ	N323356.77	W0964838.22	N3233.946	W09648.637
	HOMRN	N304934.68	W0961521.47	N3049.578	W09615.358
	HOOTZ	N311922.55	W0962626.53	N3119.376	W09626.442
	ILEXY	N302110.00	W0970445.46	N3021.167	W09704.758
	LUKIY	N321927.44	W0972947.27	N3219.457	W09729.788
	LYYTE	N300620.93	W0953000.02	N3006.349	W09530.000
	MLRRR	N301217.91	W0953611.24	N3012.299	W09536.187
	RIICE	N302709.06	W0955142.54	N3027.151	W09551.709
	TORNN	N313113.39	W0963052.96	N3131.223	W09630.883
	UUSTN	N294832.47	W0952109.07	N2948.541	W09521.151
	RW04	N293820.80	W0951707.16	N2938.347	W09517.119
	RW12L	N293909.38	W0951701.94	N2939.156	W09517.032
	RW12R	N293856.26	W0951659.41	N2938.938	W09516.990
	RW17	N293908.50	W0951704.80	N2939.142	W09517.080
	RW22	N293914.97	W0951607.36	N2939.250	W09516.123
	RW30L	N293811.13	W0951605.82	N2938.186	W09516.097
	RW30R	N293834.02	W0951619.93	N2938.567	W09516.332
	RW35	N293809.12	W0951703.54	N2938.152	W09517.059

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

RW04	00042	58
RW12L	00045	60
RW12R	00046	49
RW17	00045	40
RW22	00039	52
RW30L	00042	58
RW30R	00040	50
RW35	00043	41

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        CVE   K4011620VDHW N32532512W096541427    N32532512W096541427E0060004502     NARCOWBOY
        SUSAD        LLO   K4010820VTLA N30474683W098471460    N30474683W098471460E0080012071     NARLLANO
        SUSAD        LOA   K4011080VTLW N31072646W095580464    N31072646W095580464E0080003461     NARLEONA
        SUSAD        MQP   K4011770VTHW N32433425W097595079    N32433425W097595079E0090009002     NARMILLSAP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
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        SUSAEAENRT   BAATS K40    C   B N30313604W095562284                    E0034     NAR          BAATS
        SUSAEAENRT   BAZBL K40    C   B N30381618W096032410                    E0035     NAR          BAZBL
        SUSAEAENRT   BILEE K40    C   B N31095225W096225362                    E0036     NAR          BILEE
        SUSAEAENRT   BRKMN K40    C   B N30232645W095474927                    E0033     NAR          BRKMN
        SUSAEAENRT   CHMPZ K40    C   B N32335677W096483822                    E0039     NAR          CHMPZ
        SUSAEAENRT   HOMRN K40    C   B N30493468W096152147                    E0036     NAR          HOMRN
        SUSAEAENRT   HOOTZ K40    C   B N31192255W096262653                    E0037     NAR          HOOTZ
        SUSAEAENRT   ILEXY K40    C   L N30211000W097044546                    E0041     NAR          ILEXY
        SUSAEAENRT   LUKIY K40    C   H N32192744W097294727                    E0043     NAR          LUKIY
        SUSAEAENRT   LYYTE K40    C   L N30062093W095300002                    E0031     NAR          LYYTE
        SUSAEAENRT   MLRRR K40    C   L N30121791W095361124                    E0032     NAR          MLRRR
        SUSAEAENRT   RIICE K40    C   B N30270906W095514254                    E0033     NAR          RIICE
        SUSAEAENRT   TORNN K40    C   H N31311339W096305296                    E0037     NAR          TORNN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIAHK4AIAH     0     120YHN29590396W095202919E005000097        1800018000C    MNAR    GEORGE BUSH INTERCONTINENTAL/H

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIAHK4ERIICE51BILEE 010BILEEK4EA0E       IF                                    18000
        SUSAP KIAHK4ERIICE51BILEE 020HOMRNK4EA0E  H    TF                15440213
        SUSAP KIAHK4ERIICE51BILEE 030BAZBLK4EA0E  H    TF                13300153
        SUSAP KIAHK4ERIICE51BILEE 040BAATSK4EA0E       TF                13300090
        SUSAP KIAHK4ERIICE51BILEE 050RIICEK4EA0EE H    TF                13300060
        SUSAP KIAHK4ERIICE51CLL   010CLL  K4D 0V       IF                                    18000
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

FAA Form 7100-3 (9/02)

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SUSAP KIAHK4ERIICE51CLL   020BAZBLK4EA0E  H    TF          07600190
SUSAP KIAHK4ERIICE51CLL   030BAATSK4EA0E       TF          13300090
SUSAP KIAHK4ERIICE51CLL   040RIICEK4EA0EE H    TF          13300060
SUSAP KIAHK4ERIICE51CVE   010CVE  K4D 0V       IF                      18000
SUSAP KIAHK4ERIICE51CVE   020CHMPZK4EA0E  H    TF          16030200
SUSAP KIAHK4ERIICE51CVE   030TORNNK4EA0E  H    TF          16030644
SUSAP KIAHK4ERIICE51CVE   040HOOTZK4EA0E       TF          15440124
SUSAP KIAHK4ERIICE51CVE   050BILEEK4EA0E       TF          15440100
SUSAP KIAHK4ERIICE51CVE   060HOMRNK4EA0E  H    TF          15440213
SUSAP KIAHK4ERIICE51CVE   070BAZBLK4EA0E  H    TF          13300153
SUSAP KIAHK4ERIICE51CVE   080BAATSK4EA0E       TF          13300090
SUSAP KIAHK4ERIICE51CVE   090RIICEK4EA0EE H    TF          13300060
SUSAP KIAHK4ERIICE51ILEXY 010ILEXYK4EA0E       IF                      18000
SUSAP KIAHK4ERIICE51ILEXY 020CLL  K4D 0V       TF          05830373
SUSAP KIAHK4ERIICE51ILEXY 030BAZBLK4EA0E  H    TF          07600190
SUSAP KIAHK4ERIICE51ILEXY 040BAATSK4EA0E       TF          13300090
SUSAP KIAHK4ERIICE51ILEXY 050RIICEK4EA0EE H    TF          13300060
SUSAP KIAHK4ERIICE51LLO   010LLO  K4D 0V       IF                      18000
SUSAP KIAHK4ERIICE51LLO   020HOMRNK4EA0E  H    TF          08061308
SUSAP KIAHK4ERIICE51LLO   030BAZBLK4EA0E  H    TF          13300153
SUSAP KIAHK4ERIICE51LLO   040BAATSK4EA0E       TF          13300090
SUSAP KIAHK4ERIICE51LLO   050RIICEK4EA0EE H    TF          13300060
SUSAP KIAHK4ERIICE51LOA   010LOA  K4D 0V       IF                      18000
SUSAP KIAHK4ERIICE51LOA   020BAZBLK4EA0E  H    TF          18100295
SUSAP KIAHK4ERIICE51LOA   030BAATSK4EA0E       TF          13300090
SUSAP KIAHK4ERIICE51LOA   040RIICEK4EA0EE H    TF          13300060
SUSAP KIAHK4ERIICE51MQP   010MQP  K4D 0V       IF                      18000
SUSAP KIAHK4ERIICE51MQP   020LUKIYK4EA0E       TF          12430350
SUSAP KIAHK4ERIICE51MQP   030TORNNK4EA0E  H    TF          12430695
SUSAP KIAHK4ERIICE51MQP   040HOOTZK4EA0E       TF          15440124
SUSAP KIAHK4ERIICE51MQP   050BILEEK4EA0E       TF          15440100
SUSAP KIAHK4ERIICE51MQP   060HOMRNK4EA0E  H    TF          15440213
SUSAP KIAHK4ERIICE51MQP   070BAZBLK4EA0E  H    TF          13300153
SUSAP KIAHK4ERIICE51MQP   080BAATSK4EA0E       TF          13300090
SUSAP KIAHK4ERIICE51MQP   090RIICEK4EA0EE H    TF          13300060
SUSAP KIAHK4ERIICE52      010RIICEK4EA0E       IF                      18000
SUSAP KIAHK4ERIICE52      020BRKMNK4EA0E       TF          1330
SUSAP KIAHK4ERIICE52      030MLRRRK4EA0E       TF          1330
SUSAP KIAHK4ERIICE52      040LYYTEK4EA0EE      TF          1330
SUSAP KIAHK4ERIICE53RW26B 010LYYTEK4EA0E       IF                      18000
SUSAP KIAHK4ERIICE53RW26B 020KIAH K4PA0AE      VM          0850
SUSAP KIAHK4ERIICE53RW27  010LYYTEK4EA0E       IF                      18000
SUSAP KIAHK4ERIICE53RW27  020KIAH K4PA0AE      VM          0850
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

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                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIAHK4GRW26L   0094022650 N29593638W095193095+0000    +0001100094000056150IIJYV3
        SUSAP KIAHK4GRW26R   0090002650 N30002586W095194929+0000    +0001700095000059150IIOND3
        SUSAP KIAHK4GRW27    0100002650 N29583941W095180909+0100    -0001400086000055150IIGHI3
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

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
	BILEE	BILEE	010		IF		FB					
	BILEE	HOMRN	020		TF		FB		154.4()	021.3		
	BILEE	BAZBL	030		TF		FB		133.0()	015.3		
	BILEE	BAATS	040		TF		FB		133.0()	009.0		
	BILEE	RIICE	050		TF		FB		133.0()	006.0		
	CLL	CLL	010		IF		FB					
	CLL	BAZBL	020		TF		FB		076.0()	019.0		
	CLL	BAATS	030		TF		FB		133.0()	009.0		
	CLL	RIICE	040		TF		FB		133.0()	006.0		
	CVE	CVE	010		IF		FB					
	CVE	CHMPZ	020		TF		FB		160.3()	020.0		
	CVE	TORNN	030		TF		FB		160.3()	064.4		
	CVE	HOOTZ	040		TF		FB		154.4()	012.4		
	CVE	BILEE	050		TF		FB		154.4()	010.0		
	CVE	HOMRN	060		TF		FB		154.4()	021.3		
	CVE	BAZBL	070		TF		FB		133.0()	015.3		
	CVE	BAATS	080		TF		FB		133.0()	009.0		
	CVE	RIICE	090		TF		FB		133.0()	006.0		
	ILEXY	ILEXY	010		IF		FB					
	ILEXY	CLL	020		TF		FB		058.3()	037.3		
	ILEXY	BAZBL	030		TF		FB		076.0()	019.0		
	ILEXY	BAATS	040		TF		FB		133.0()	009.0		
	ILEXY	RIICE	050		TF		FB		133.0()	006.0		
	LLO	LLO	010		IF		FB					
	LLO	HOMRN	020		TF		FB		080.6()	130.8		
	LLO	BAZBL	030		TF		FB		133.0()	015.3		
	LLO	BAATS	040		TF		FB		133.0()	009.0		
	LLO	RIICE	050		TF		FB		133.0()	006.0		
	LOA	LOA	010		IF		FB					
	LOA	BAZBL	020		TF		FB		181.0()	029.5		
	LOA	BAATS	030		TF		FB		133.0()	009.0		
	LOA	RIICE	040		TF		FB		133.0()	006.0		
	MQP	MQP	010		IF		FB					
	MQP	LUKIY	020		TF		FB		124.3()	035.0		
	MQP	TORNN	030		TF		FB		124.3()	069.5		
	MQP	HOOTZ	040		TF		FB		154.4()	012.4		
	MQP	BILEE	050		TF		FB		154.4()	010.0		
	MQP	HOMRN	060		TF		FB		154.4()	021.3		

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

FAA Form 7100-3 (9/02)

MQP	BAZBL	070	TF	FB	133.0()	015.3
MQP	BAATS	080	TF	FB	133.0()	009.0
MQP	RIICE	090	TF	FB	133.0()	006.0
	RIICE	010	IF	FB		
	BRKMN	020	TF	FB	133.0()	
	MLRRR	030	TF	FB	133.0()	
	LYYTE	040	TF	FB	133.0()	
RW26B	LYYTE	010	IF	FB		
RW26B	KIAH	020	VM	FB	085.0()	
RW27	LYYTE	010	IF	FB		
RW27	KIAH	020	VM	FB	085.0()	

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
CLL	N303618.01	W0962514.45	N3036.300	W09625.241
CVE	N325325.12	W0965414.27	N3253.419	W09654.238
LLO	N304746.83	W0984714.60	N3047.781	W09847.243
LOA	N310726.46	W0955804.64	N3107.441	W09558.077
MQP	N324334.25	W0975950.79	N3243.571	W09759.847
BAATS	N303136.04	W0955622.84	N3031.601	W09556.381
BAZBL	N303816.18	W0960324.10	N3038.270	W09603.402
BILEE	N310952.25	W0962253.62	N3109.871	W09622.894
BRKMN	N302326.45	W0954749.27	N3023.441	W09547.821
CHMPZ	N323356.77	W0964838.22	N3233.946	W09648.637
HOMRN	N304934.68	W0961521.47	N3049.578	W09615.358
HOOTZ	N311922.55	W0962626.53	N3119.376	W09626.442
ILEXY	N302110.00	W0970445.46	N3021.167	W09704.758
LUKIY	N321927.44	W0972947.27	N3219.457	W09729.788
LYYTE	N300620.93	W0953000.02	N3006.349	W09530.000
MLRRR	N301217.91	W0953611.24	N3012.299	W09536.187
RIICE	N302709.06	W0955142.54	N3027.151	W09551.709
TORNN	N313113.39	W0963052.96	N3131.223	W09630.883
RW26L	N295936.38	W0951930.95	N2959.606	W09519.516
RW26R	N300025.86	W0951949.29	N3000.431	W09519.822
RW27	N295839.41	W0951809.09	N2958.657	W09518.152

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW26L	00094	56
RW26R	00095	59
RW27	00086	55

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
RIICE	FIVE	RIICE.RIICE5	FOUR	05/31/2012	

RADIO FIX AND HOLDING DATA RECORD

NAME: ARNNE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 304344.68N/0963300.25W **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	COLLEGE STATION	CLL	VORTAC	L	310.00	318.00	10.00	10.00		4000	45000
2	LEONA	LOA	VORTAC	L	223.95	231.95		38.23		4000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CLL	VORTAC	R-310	10	18000	45000
LOA	VORTAC	R-224	39	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	NW	CLL	VORTAC	310.00	130.00	R	1-1 1/2		4000	40000	23	29
2	NW		WP	312.93	132.93	R		20	6000	45000	30	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-008192)	304416.00N/0965014.00W	1270	5D
2	230	TOWER (48-003981)	311625.00N/0971315.00W	2550	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
COLLEGE STATION (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PAT 2: EVALUATED FOR 16 NM LEGS, ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	COACH (RNAV)		2	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TEXNN	1, 2	1	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	COACH (RNAV)		2	KGLS	GALVESTON	TX (US)
STAR	TEXNN	1, 2	1	KGLS	GALVESTON	TX (US)
STAR	BAZBL (RNAV)		2	KCXO	HOUSTON	TX (US)
STAR	RIICE	1, 2	1	KCXO	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		2	KDWH	HOUSTON	TX (US)
STAR	RIICE	1, 2	1	KDWH	HOUSTON	TX (US)
STAR	COACH (RNAV)		2	KEFD	HOUSTON	TX (US)
STAR	TEXNN	1, 2	1	KEFD	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		2	KHOU	HOUSTON	TX (US)
STAR	COACH (RNAV)		2	KHOU	HOUSTON	TX (US)
STAR	RIICE	1, 2	1	KHOU	HOUSTON	TX (US)
STAR	TEXNN	1, 2	1	KHOU	HOUSTON	TX (US)
STAR	AGGEE (RNAV)		2	KIAH	HOUSTON	TX (US)
STAR	BAZBL (RNAV)		2	KIAH	HOUSTON	TX (US)
STAR	RIICE	1, 2	1	KIAH	HOUSTON	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
HOLDING PATTERN 2 DME DISTANCE CHANGED FROM 16 TO 20 - AIR TRAFFIC REQUEST.

DEVELOPED BY: **DATE:** 07/13/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

QUALITY CHECKED

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HOUSTON APP CON
OTHER:

QUALITY
1
CHECKED