Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: STAR	Date Open: 04/11/2012	Task #: 2012041125469502004	Request #: 20120411254695
Procedure: STAR WLEEE (RNAV) TWO AUSTIN TX K3R9		Airport ID: K3R9	Airport: LAKEWAY AIRPARK		Reimbursable #:
City: LAKEWAY	ST: TX	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID:	Fac. Type: Proc T	Specialist: WES COMBS(Contractor)			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	07/16/2012	08/28/2012	JEFF RAWDON	
QA:	08/28/2012	09/07/2012	STEVEN SZUKALA	
Liaison:	09/07/2012		Spurlin	

Procedure Comments: **Remark Type:** INFORMATION

pg 6 of 7

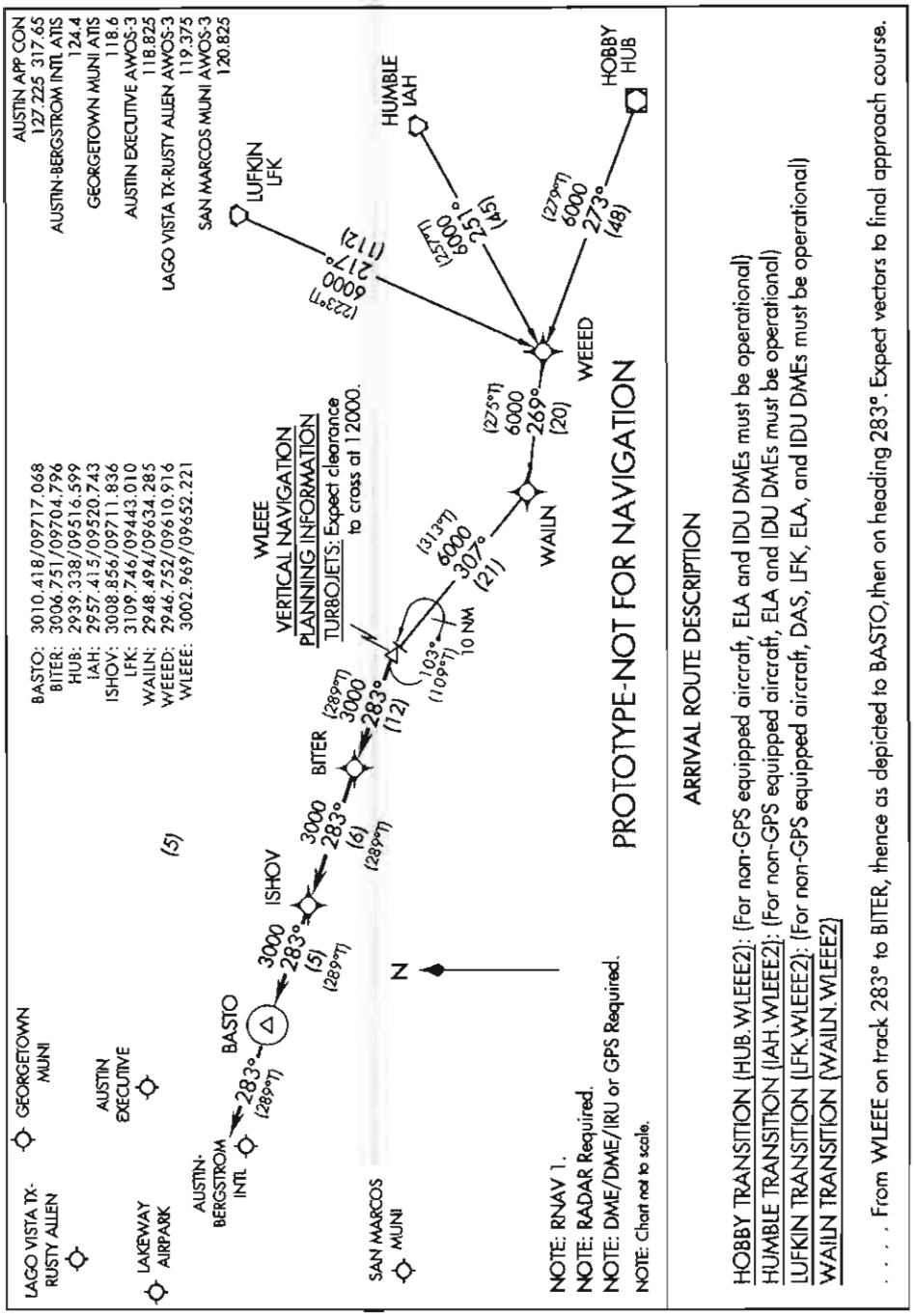
LAKEWAY, TX LAKEWAY AIRPARK (K3R9) WLEEE TWO (STAR) ENROUTE-NO FC: 11.13.12 PUB: 1.10.13

ATTACHED FORMS: 7100-4; 7100-3; 8260-2(S): BASTO-INT, REV 9; BITER-INT, REV 6; HOBBY (HUB) VDME, REV 16; HUMBLE (IAH) VTAC, REV 7; ISHOV-INT, REV 3; LUFKIN (LFK) VTAC, REV 14; WLEEE-INT, REV 1; (INFO ONLY) WAILN, ORIG; WEEED, ORIG.

CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.

WLEEE TWO ARRIVAL (RNAV)

AUSTIN, TEXAS



ARRIVAL ROUTE DESCRIPTION

HOBBY TRANSITION (HUB.WLEEE2): (For non-GPS equipped aircraft, ELA and IDU DMEs must be operational)

HUMBLE TRANSITION (IAH.WLEEE2): (For non-GPS equipped aircraft, ELA and IDU DMEs must be operational)

LUFKIN TRANSITION (LFK.WLEEE2): (For non-GPS equipped aircraft, DAS, LFK, ELA, and IDU DMEs must be operational)

WAILN TRANSITION (WAILN.WLEEE2)

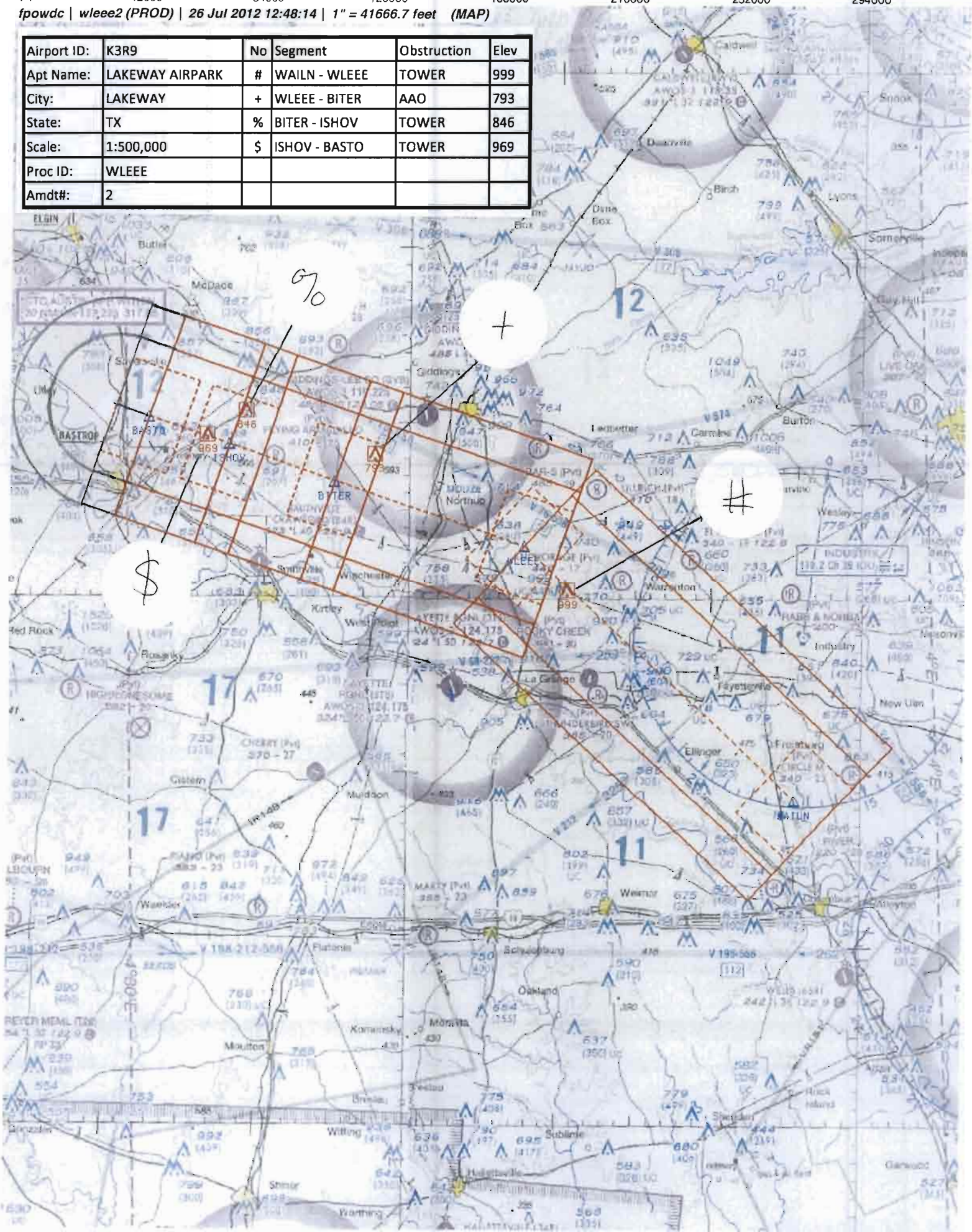
. . . . From WLEEE on track 283° to BITER, thence as depicted to BASTO, then on heading 283°. Expect vectors to final approach course.

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpowdc | wleee2 (PROD) | 26 Jul 2012 12:48:14 | 1" = 41666.7 feet (MAP)

Airport ID:	K3R9	No	Segment	Obstruction	Elev
Apt Name:	LAKEWAY AIRPARK	#	WAILN - WLEEE	TOWER	999
City:	LAKEWAY	+	WLEEE - BITER	AAO	793
State:	TX	%	BITER - ISHOV	TOWER	846
Scale:	1:500,000	$	ISHOV - BASTO	TOWER	969
Proc ID:	WLEEE				
Amdt#:	2				

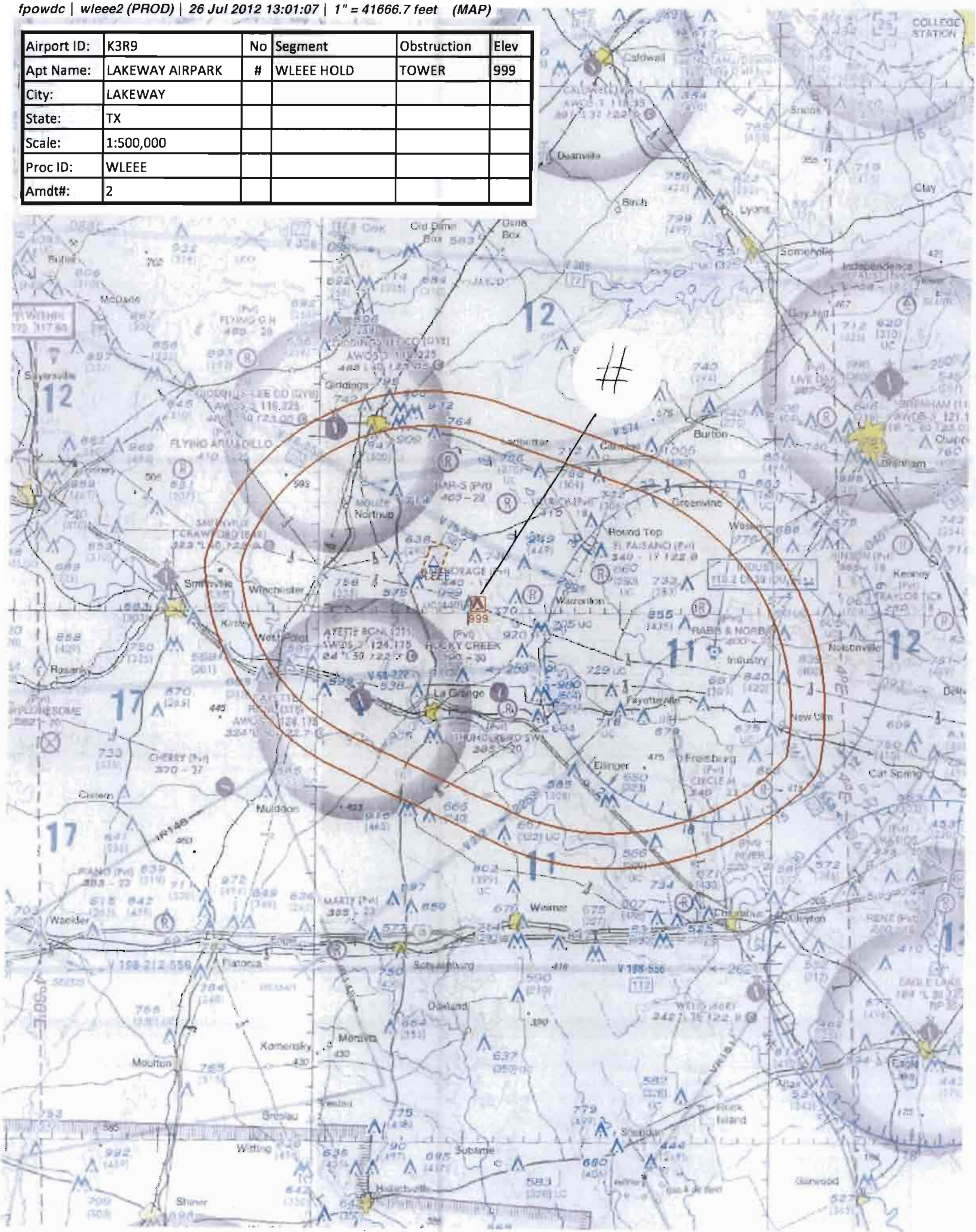


NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpowdc | wleee2 (PROD) | 26 Jul 2012 13:01:07 | 1" = 41666.7 feet (MAP)

Airport ID:	K3R9	No	Segment	Obstruction	Elev
Apt Name:	LAKEWAY AIRPARK	#	WLEEE HOLD	TOWER	999
City:	LAKEWAY				
State:	TX				
Scale:	1:500,000				
Proc ID:	WLEEE				
Amdt#:	2				

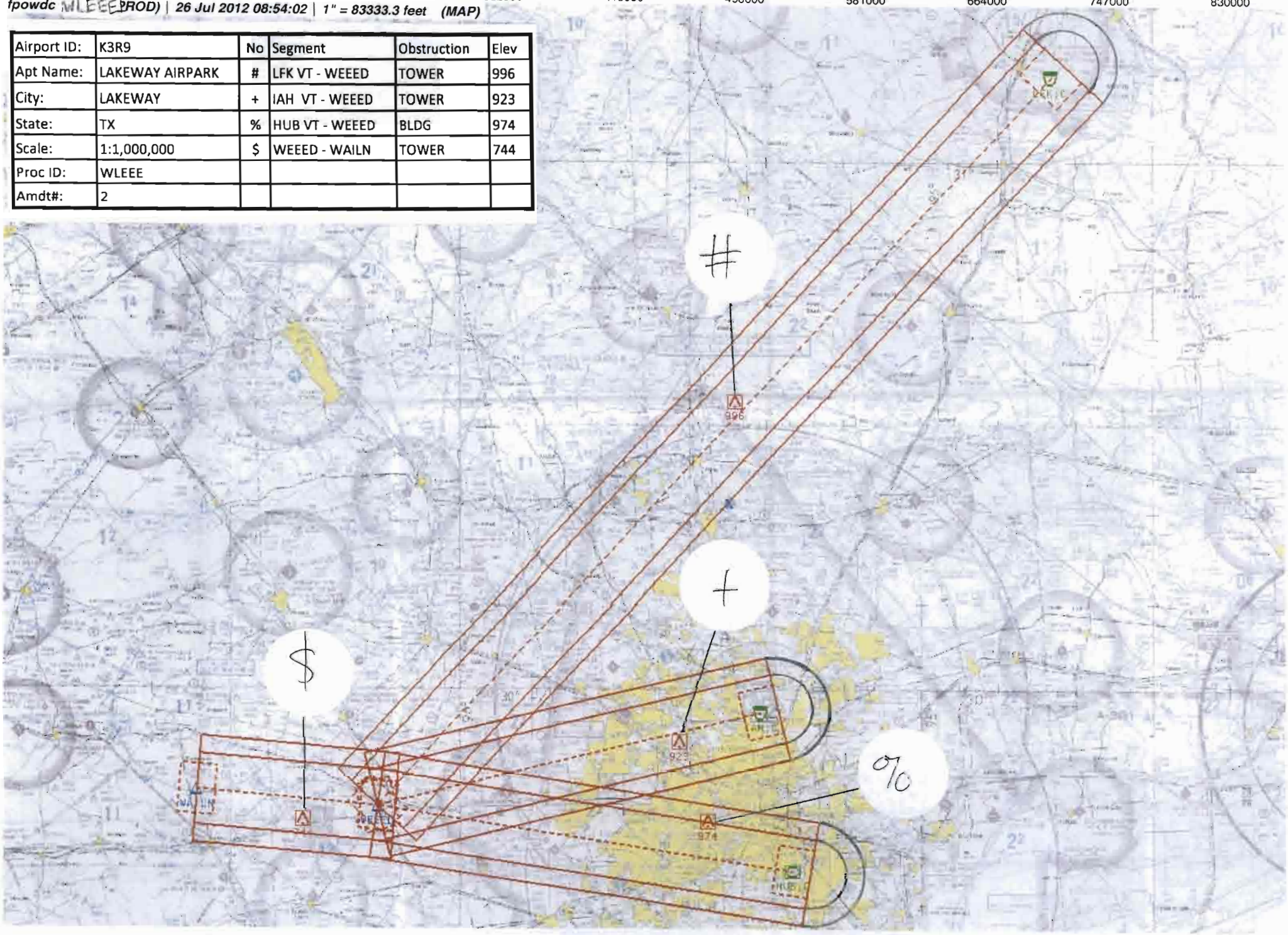


NM 14 28 42 56 70 84 98 112 126 140

FT 83000 166000 249000 332000 415000 498000 581000 664000 747000 830000

fpowdc WLEEE PROD) | 26 Jul 2012 08:54:02 | 1" = 83333.3 feet (MAP)

Airport ID:	K3R9	No	Segment	Obstruction	Elev
Apt Name:	LAKEWAY AIRPARK	#	LFK VT - WEEED	TOWER	996
City:	LAKEWAY	+	IAH VT - WEEED	TOWER	923
State:	TX	%	HUB VT - WEEED	BLDG	974
Scale:	1:1,000,000	$	WEEED - WAILN	TOWER	744
Proc ID:	WLEEE				
Amdt#:	2				



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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
LUFKIN	LFK.WLEEE2	LFK VORTAC	WEEED	216.91/112.37	6000			
			WAILN	268.98/20.41	6000			
			WLEEE	306.89/21.25	6000			
HUMBLE	IAH.WLEEE2	IAH VORTAC	WEEED	250.51/44.90	6000			
			WAILN	268.98/20.41	6000			
			WLEEE	306.89/21.25	6000			
HOBBY	HUB.WLEEE2	HUB VOR/DME	WEEED	273.11/47.87	6000			
			WAILN	268.98/20.41	6000			
			WLEEE	306.89/21.25	6000			
WAILN	WAILN.WLEEE2	WAILN	WLEEE	306.89/21.25	6000			

(2) Arrival Route Description:

FROM WLEEE ON TRACK 283.13 TO BITER (MEA 3000), THENCE AS DEPICTED TO BASTO (MEA 3000), THEN ON HEADING 282.98. EXPECT VECTORS TO FINAL APPROACH COURSE.

(3) Procedural Data Notes:

RNAV 1. RADAR REQUIRED. DME/DME/IRU OR GPS REQUIRED.
WLEEE VERTICAL NAVIGATION PLANNING INFORMATION: TURBOJETS EXPECT CLEARANCE TO CROSS AT 12000.
LFK TRANSITION: FOR NON-GPS EQUIPPED AIRCRAFT, DAS, LFK, ELA, AND IDU DMES MUST BE OPERATIONAL.
IAH AND HUB TRANSITIONS: FOR NON-GPS EQUIPPED AIRCRAFT, ELA AND IDU DMES MUST BE OPERATIONAL.

(4) Fixes and/or Holding Patterns:

CHART WLEEE INT, HOLD E, LT, 283.13 INBOUND, 10 NM LEGS

(5) Communications:

APP CON: AUS.
ATIS: KAUS, KGTU.
AWOS/ASOS: KEDC, KRYW, KHYI.

QUALITY CHECKED 3

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

FAA Form 7100-4 (7/02)

(12) Airports Served

Airport Name: AUSTIN-BERGSTROM INTL	City/State: AUSTIN, TX
Airport Name: LAKEWAY AIRPARK	City/State: LAKEWAY, TX
Airport Name: AUSTIN EXECUTIVE	City/State: AUSTIN, TX
Airport Name: GEORGETOWN MUNI	City/State: GEORGETOWN, TX
Airport Name: LAGO VISTA TX - RUSTY ALLEN	City/State: LAGO VISTA, TX
Airport Name: SAN MARCOS MUNI	City/State: SAN MARCOS, TX

(13) Lost Communications Procedure:

(14) Remarks:

(15) Additional Flight Data:

REFERENCE MAG VAR: KAUS 6E 2000

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
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

(16) Continuation: (BLOCK 2 DETAILED ARRIVAL ROUTE DESCRIPTION)

FROM WLEEE ON TRACK 283.13/11.54 TO BITER (MEA 3000), THEN ON TRACK 283.01/6.46 TO ISHOV (MEA 3000), THEN ON TRACK 282.98/4.80 TO BASTO (MEA 3000), THEN ON HEADING 282.98. EXPECT VECTORS TO FINAL APPROACH COURSE.

(17) Changes:

1. LFK TO WEEED DISTANCE CHANGED FROM 112.36 TO 112.37
2. LAKEWAY AIRPARK CITY NAME CHANGED FROM AUSTIN TO LAKEWAY
3. WORDING CHANGED FROM "VIA" TO "ON"
4. ADDED "THEN ON HEADING 282.98" TO END OF ARRIVAL ROUTE DESCRIPTION

(18) Reasons for Changes:

1. GEODESIC CALCULATION
2. FPT REQUEST
3. IAW NEW CRITERIA
4. A VM LEG EXISTIS AFTER BASTO, AS SHOWN IN PREVIOUS 7100-3

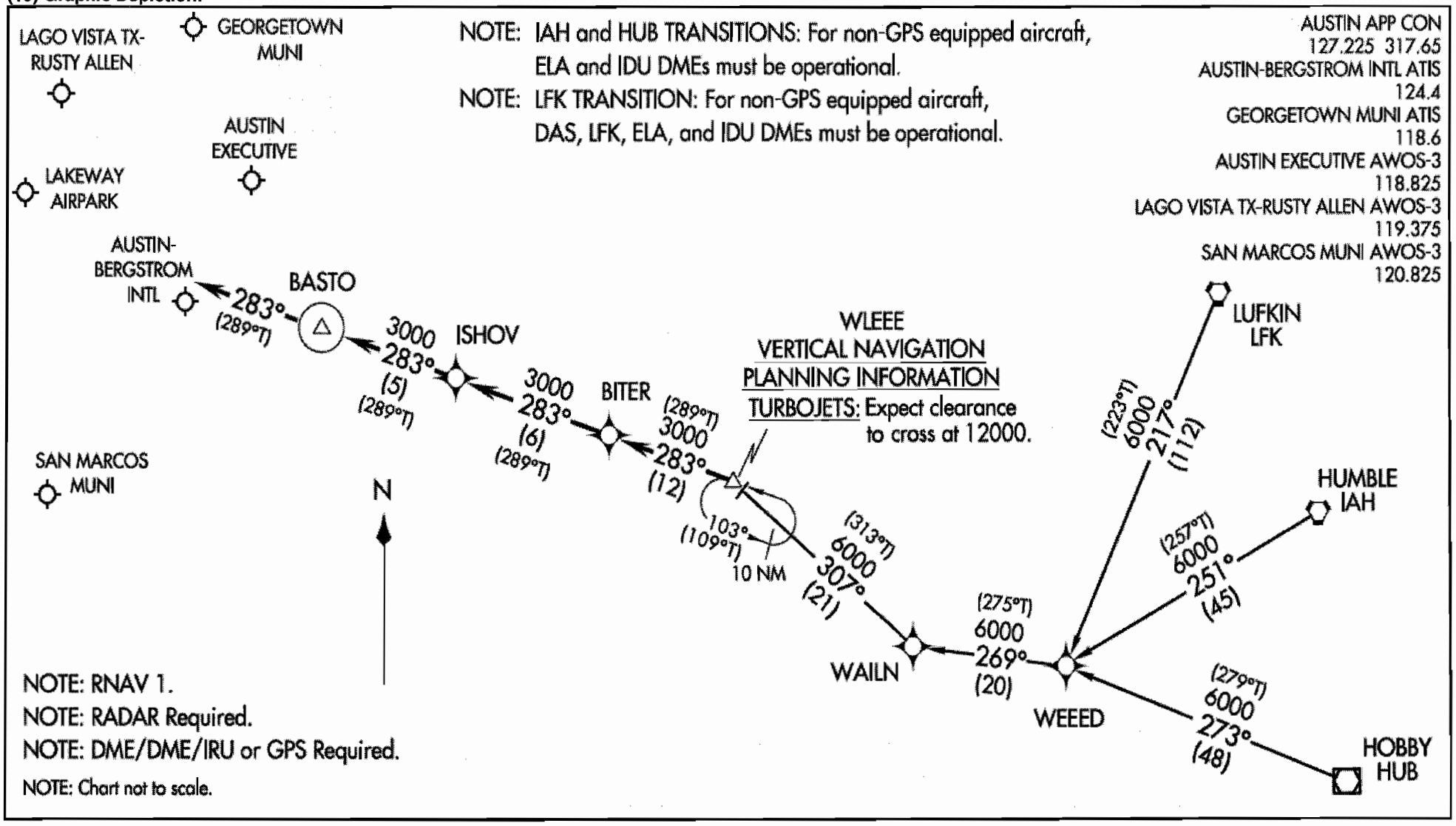
Developed By	**Name *(Typed and Signed)*, Title and Organization**		**DATE**
	STEVE STOOKSBERRY, SUPPORT MANAGER OPERATIONS SUPPORT, HOUSTON ARTCC		18 MAY 09
Approved	**FIFO**		
	Reg. ATD		

QUALITY CHECKED 3

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

FAA Form 7100-4 (7/02)

(19) Graphic Depiction:



(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

FAA Form 7100-4 (7/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
En Route Transition									
LFK VORTAC	310944.79N / 0944300.60W	Y		IF					LFK.WLEEE2
WEEED	294645.14N / 0961054.94W	Y	FB	TF	222.91	112.37			
WAILN	294829.63N / 0963417.12W	Y	FB	TF	274.98	20.41			
WLEEE	300258.15N / 0965213.26W	Y	FB	TF	312.89	21.25			TURBOJETS EXPECT CLEARANCE TO CROSS AT 12000
En Route Transition									
IAH VORTAC	295724.90N / 0952044.59W	Y		IF					IAH.WLEEE2
WEEED	294645.14N / 0961054.94W	Y	FB	TF	256.51	44.90			
WAILN	294829.63N / 0963417.12W	Y	FB	TF	274.98	20.41			
WLEEE	300258.15N / 0965213.26W	Y	FB	TF	312.89	21.25			TURBOJETS EXPECT CLEARANCE TO CROSS AT 12000
En Route Transition									
HUB VOR/DME	293920.26N / 0951635.92W	Y		IF					HUB.WLEEE2
WEEED	294645.14N / 0961054.94W	Y	FB	TF	279.11	47.87			
WAILN	294829.63N / 0963417.12W	Y	FB	TF	274.98	20.41			
WLEEE	300258.15N / 0965213.26W	Y	FB	TF	312.89	21.25			TURBOJETS EXPECT CLEARANCE TO CROSS AT 12000

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

QUALITY CHECKED 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									
WAILN	294829.63N / 0963417.12W	Y		IF					WAILN.WLEEE2
WLEEE	300258.15N / 0965213.26W	Y	FB	TF	312.89	21.25			TURBOJETS EXPECT CLEARANCE TO CROSS AT 12000
Common Route									
WLEEE	300258.15N / 0965213.26W	Y		IF					TURBOJETS EXPECT CLEARANCE TO CROSS AT 12000
BITER	300645.05N / 0970447.75W	Y	FB	TF	289.13	11.54			
ISHOV	300851.36N / 0971150.16W	Y	FB	TF	289.01	6.46			
BASTO	301025.05N / 0971704.09W	Y	FO	TF	288.98	4.80			
				VM	288.98				
QUALITY CHECKED									

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

ARINC PACKET - 424-18 - STAR

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NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        IAH   K4011660VTHA N29572490W095204459    N29572490W095204459E0050000812     NARHUMBLE
        SUSAD        LFK   K4011210VTHA N31094479W094430060    N31094479W094430060E0050002072     NARLUFKIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BASTO K40    C   L N30102505W097170409                    E0042     NAR           BASTO
        SUSAEAENRT   BITER K40    C     N30064505W097044775                    E0040     NAR           BITER
        SUSAEAENRT   ISHOV K40    C     N30085136W097115016                    E0041     NAR           ISHOV
        SUSAEAENRT   WAILN K40    W   L N29482963W096341712                    E0038     NAR           WAILN
        SUSAEAENRT   WEEED K40    W   L N29464514W096105494                    E0035     NAR           WEEED
        SUSAEAENRT   WLEEE K40    C   L N30025815W096521326                    E0039     NAR           WLEEE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 3R9 K4A3R9     0     039YHN30212697W097594008E004000909         1800018000C    MNAR    LAKEWAY AIRPARK

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SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP 3R9 K4EWLEEE24HUB   010HUB  K4D 0V       IF                                                  18000
        SUSAP 3R9 K4EWLEEE24HUB   020WEEEDK4EA0E    010TF                    27310479
        SUSAP 3R9 K4EWLEEE24HUB   030WAILNK4EA0E    010TF                    26900204
        SUSAP 3R9 K4EWLEEE24HUB   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP 3R9 K4EWLEEE24IAH   010IAH  K4D 0V       IF                                                  18000
        SUSAP 3R9 K4EWLEEE24IAH   020WEEEDK4EA0E    010TF                    25050449
        SUSAP 3R9 K4EWLEEE24IAH   030WAILNK4EA0E    010TF                    26900204
        SUSAP 3R9 K4EWLEEE24IAH   040WLEEEK4EA0EE H 010TF                    30690213
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        SUSAP 3R9 K4EWLEEE24WAILN 010WAILNK4EA0E       IF                                                  18000
        SUSAP 3R9 K4EWLEEE24WAILN 020WLEEEK4EA0EE H 010TF                    30690213
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

FAA Form 7100-3 (9/02)

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SUSAP 3R9 K4EWLEEE25ALL   020BITERK4EA0E    010TF                    28310115
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SUSAP 3R9 K4EWLEEE25ALL   040BASTOK4EA0EY   010TF                    28300048
SUSAP 3R9 K4EWLEEE25ALL   0503R9  K4PA0AE      VM                    2830
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        SUSAP 3R9 K4GRW34     0039303448 N30211395W097593710-0700    +0251900909062450070D
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HUB	HUB	010		IF		FB					
	HUB	WEEED	020		TF		FB	1.0	273.1()	047.9		
	HUB	WAILN	030		TF		FB	1.0	269.0()	020.4		
	HUB	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	IAH	IAH	010		IF		FB					
	IAH	WEEED	020		TF		FB	1.0	250.5()	044.9		
	IAH	WAILN	030		TF		FB	1.0	269.0()	020.4		
	IAH	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	LFK	LFK	010		IF		FB					
	LFK	WEEED	020		TF		FB	1.0	216.9()	112.4		
	LFK	WAILN	030		TF		FB	1.0	269.0()	020.4		
	LFK	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	WAILN	WAILN	010		IF		FB					
	WAILN	WLEEE	020		TF		FB	1.0	306.9()	021.3		
	ALL	WLEEE	010		IF		FB					
	ALL	BITER	020		TF		FB	1.0	283.1()	011.5		
	ALL	ISHOV	030		TF		FB	1.0	283.0()	006.5		
	ALL	BASTO	040		TF		FO	1.0	283.0()	004.8		
	ALL	3R9	050		VM		FB		283.0()			

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
HUB	N293920.22	W0951635.83	N2939.337	W09516.597
IAH	N295724.90	W0952044.59	N2957.415	W09520.743
LFK	N310944.79	W0944300.60	N3109.747	W09443.010
BASTO	N301025.05	W0971704.09	N3010.418	W09717.068
BITER	N300645.05	W0970447.75	N3006.751	W09704.796
ISHOV	N300851.36	W0971150.16	N3008.856	W09711.836
WAILN	N294829.63	W0963417.12	N2948.494	W09634.285
WEEED	N294645.14	W0961054.94	N2946.752	W09610.916
WLEEE	N300258.15	W0965213.26	N3002.969	W09652.221
RW16	N302138.46	W0975942.71	N3021.641	W09759.712
RW34	N302113.95	W0975937.10	N3021.233	W09759.618

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW16	00884	40

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

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RW34    00909          50
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

ARINC PACKET - 424-18 - STAR

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        HUB   K4011710VDHW N29392022W095163583    N29392022W095163583E0050000472     NARHOBBY
        SUSAD        IAH   K4011660VTHA N29572490W095204459    N29572490W095204459E0050000812     NARHUMBLE
        SUSAD        LFK   K4011210VTHA N31094479W094430060    N31094479W094430060E0050002072     NARLUFKIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT   BASTO K40    C   L N30102505W097170409                    E0042     NAR          BASTO
        SUSAEAENRT   BITER K40    C     N30064505W097044775                    E0040     NAR          BITER
        SUSAEAENRT   ISHOV K40    C     N30085136W097115016                    E0041     NAR          ISHOV
        SUSAEAENRT   WAILN K40    W   L N29482963W096341712                    E0038     NAR          WAILN
        SUSAEAENRT   WEEED K40    W   L N29464514W096105494                    E0035     NAR          WEEED
        SUSAEAENRT   WLEEE K40    C   L N30025815W096521326                    E0039     NAR          WLEEE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAUSK4AAUS     0     122YHN30114030W097401160E006000542         1800018000C    MNAR    AUSTIN-BERGSTROM INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAUSK4EWLEEE24HUB   010HUB  K4D 0V       IF                                                  18000
        SUSAP KAUSK4EWLEEE24HUB   020WEEEDK4EA0E    010TF                    27310479
        SUSAP KAUSK4EWLEEE24HUB   030WAILNK4EA0E    010TF                    26900204
        SUSAP KAUSK4EWLEEE24HUB   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KAUSK4EWLEEE24IAH   010IAH  K4D 0V       IF                                                  18000
        SUSAP KAUSK4EWLEEE24IAH   020WEEEDK4EA0E    010TF                    25050449
        SUSAP KAUSK4EWLEEE24IAH   030WAILNK4EA0E    010TF                    26900204
        SUSAP KAUSK4EWLEEE24IAH   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KAUSK4EWLEEE24LFK   010LFK  K4D 0V       IF                                                  18000
        SUSAP KAUSK4EWLEEE24LFK   020WEEEDK4EA0E    010TF                    21691124
        SUSAP KAUSK4EWLEEE24LFK   030WAILNK4EA0E    010TF                    26900204
        SUSAP KAUSK4EWLEEE24LFK   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KAUSK4EWLEEE24WAILN 010WAILNK4EA0E       IF                                                  18000
        SUSAP KAUSK4EWLEEE24WAILN 020WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KAUSK4EWLEEE25ALL   010WLEEEK4EA0E  H    IF                                                  18000
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

```
SUSAP KAUSK4EWLEEE25ALL   020BITERK4EA0E    010TF                    28310115
SUSAP KAUSK4EWLEEE25ALL   030ISHOVK4EA0E    010TF                    28300065
SUSAP KAUSK4EWLEEE25ALL   040BASTOK4EA0EY   010TF                    28300048
SUSAP KAUSK4EWLEEE25ALL   050KAUS K4PA0AE      VM                     2830
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAUSK4GRW17L   0090001727 N30121379W097392841-0200    +0123700492000059150IIVNK3
        SUSAP KAUSK4GRW17R   0122481727 N30124901W097404571-0400    +0138900542000059150IIGFQ1
        SUSAP KAUSK4GRW35L   0122483527 N30104781W097404251+0400    +0122500488000054150IIBSM1
        SUSAP KAUSK4GRW35R   0090003527 N30104473W097392608+0200    +0118200474000052150IIHCE1
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HUB	HUB	010		IF		FB					
	HUB	WEEED	020		TF		FB	1.0	273.1()	047.9		
	HUB	WAILN	030		TF		FB	1.0	269.0()	020.4		
	HUB	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	IAH	IAH	010		IF		FB					
	IAH	WEEED	020		TF		FB	1.0	250.5()	044.9		
	IAH	WAILN	030		TF		FB	1.0	269.0()	020.4		
	IAH	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	LFK	LFK	010		IF		FB					
	LFK	WEEED	020		TF		FB	1.0	216.9()	112.4		
	LFK	WAILN	030		TF		FB	1.0	269.0()	020.4		
	LFK	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	WAILN	WAILN	010		IF		FB					
	WAILN	WLEEE	020		TF		FB	1.0	306.9()	021.3		
	ALL	WLEEE	010		IF		FB					
	ALL	BITER	020		TF		FB	1.0	283.1()	011.5		
	ALL	ISHOV	030		TF		FB	1.0	283.0()	006.5		
	ALL	BASTO	040		TF		FO	1.0	283.0()	004.8		
	ALL	KAUS	050		VM		FB		283.0()			

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
HUB	N293920.22	W0951635.83	N2939.337	W09516.597
IAH	N295724.90	W0952044.59	N2957.415	W09520.743
LFK	N310944.79	W0944300.60	N3109.747	W09443.010
BASTO	N301025.05	W0971704.09	N3010.418	W09717.068
BITER	N300645.05	W0970447.75	N3006.751	W09704.796
ISHOV	N300851.36	W0971150.16	N3008.856	W09711.836
WAILN	N294829.63	W0963417.12	N2948.494	W09634.285
WEEED	N294645.14	W0961054.94	N2946.752	W09610.916
WLEEE	N300258.15	W0965213.26	N3002.969	W09652.221
RW17L	N301213.79	W0973928.41	N3012.230	W09739.474
RW17R	N301249.01	W0974045.71	N3012.817	W09740.762
RW35L	N301047.81	W0974042.51	N3010.797	W09740.709
RW35R	N301044.73	W0973926.08	N3010.746	W09739.435

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

RW17L	00492	59
RW17R	00542	59
RW35L	00488	54
RW35R	00474	52

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

ARINC PACKET - 424-18 - STAR

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        HUB   K4011710VDHW N29392022W095163583    N29392022W095163583E0050000472     NARHOBBY
        SUSAD        IAH   K4011660VTHA N29572490W095204459    N29572490W095204459E0050000812     NARHUMBLE
        SUSAD        LFK   K4011210VTHA N31094479W094430060    N31094479W094430060E0050002072     NARLUFKIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BASTO K40    C   L N30102505W097170409                    E0042     NAR           BASTO
        SUSAEAENRT   BITER K40    C     N30064505W097044775                    E0040     NAR           BITER
        SUSAEAENRT   ISHOV K40    C     N30085136W097115016                    E0041     NAR           ISHOV
        SUSAEAENRT   WAILN K40    W   L N29482963W096341712                    E0038     NAR           WAILN
        SUSAEAENRT   WEEED K40    W   L N29464514W096105494                    E0035     NAR           WEEED
        SUSAEAENRT   WLEEE K40    C   L N30025815W096521326                    E0039     NAR           WLEEE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEDCK4AEDC     0     060YHN30235098W097335902E005000620         1800018000C    MNAR    AUSTIN EXECUTIVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEDCK4EWLEEE24HUB   010HUB  K4D 0V       IF                                                  18000
        SUSAP KEDCK4EWLEEE24HUB   020WEEEDK4EA0E    010TF                    27310479
        SUSAP KEDCK4EWLEEE24HUB   030WAILNK4EA0E    010TF                    26900204
        SUSAP KEDCK4EWLEEE24HUB   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KEDCK4EWLEEE24IAH   010IAH  K4D 0V       IF                                                  18000
        SUSAP KEDCK4EWLEEE24IAH   020WEEEDK4EA0E    010TF                    25050449
        SUSAP KEDCK4EWLEEE24IAH   030WAILNK4EA0E    010TF                    26900204
        SUSAP KEDCK4EWLEEE24IAH   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KEDCK4EWLEEE24LFK   010LFK  K4D 0V       IF                                                  18000
        SUSAP KEDCK4EWLEEE24LFK   020WEEEDK4EA0E    010TF                    21691124
        SUSAP KEDCK4EWLEEE24LFK   030WAILNK4EA0E    010TF                    26900204
        SUSAP KEDCK4EWLEEE24LFK   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KEDCK4EWLEEE24WAILN 010WAILNK4EA0E       IF                                                  18000
        SUSAP KEDCK4EWLEEE24WAILN 020WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KEDCK4EWLEEE25ALL   010WLEEEK4EA0E  H    IF                                                  18000
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

```
SUSAP KEDCK4EWLEEE25ALL   020BITERK4EA0E    010TF                    28310115
SUSAP KEDCK4EWLEEE25ALL   030ISHOVK4EA0E    010TF                    28300065
SUSAP KEDCK4EWLEEE25ALL   040BASTOK4EA0EY   010TF                    28300048
SUSAP KEDCK4EWLEEE25ALL   050KEDC K4PA0AE      VM                    2830
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEDCK4GRW13    0060251264 N30240906W097341931-0400    +016260061906004010 0R
        SUSAP KEDCK4GRW16    0015501610 N30234958W097340256-0100    +016140061500005002 5D
        SUSAP KEDCK4GRW31    0060253064 N30233352W097333286+0400    +015580059700004010 0R
        SUSAP KEDCK4GRW34    0015503410 N30233469W097335828+1000    +015660059900005002 5D
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HUB	HUB	010		IF		FB					
	HUB	WEEED	020		TF		FB	1.0	273.1()	047.9		
	HUB	WAILN	030		TF		FB	1.0	269.0()	020.4		
	HUB	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	IAH	IAH	010		IF		FB					
	IAH	WEEED	020		TF		FB	1.0	250.5()	044.9		
	IAH	WAILN	030		TF		FB	1.0	269.0()	020.4		
	IAH	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	LFK	LFK	010		IF		FB					
	LFK	WEEED	020		TF		FB	1.0	216.9()	112.4		
	LFK	WAILN	030		TF		FB	1.0	269.0()	020.4		
	LFK	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	WAILN	WAILN	010		IF		FB					
	WAILN	WLEEE	020		TF		FB	1.0	306.9()	021.3		
	ALL	WLEEE	010		IF		FB					
	ALL	BITER	020		TF		FB	1.0	283.1()	011.5		
	ALL	ISHOV	030		TF		FB	1.0	283.0()	006.5		
	ALL	BASTO	040		TF		FO	1.0	283.0()	004.8		
	ALL	KEDC	050		VM		FB		283.0()			

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
HUB	N293920.22	W0951635.83	N2939.337	W09516.597
IAH	N295724.90	W0952044.59	N2957.415	W09520.743
LFK	N310944.79	W0944300.60	N3109.747	W09443.010
BASTO	N301025.05	W0971704.09	N3010.418	W09717.068
BITER	N300645.05	W0970447.75	N3006.751	W09704.796
ISHOV	N300851.36	W0971150.16	N3008.856	W09711.836
WAILN	N294829.63	W0963417.12	N2948.494	W09634.285
WEEED	N294645.14	W0961054.94	N2946.752	W09610.916
WLEEE	N300258.15	W0965213.26	N3002.969	W09652.221
RW13	N302409.06	W0973419.31	N3024.151	W09734.322
RW16	N302349.58	W0973402.56	N3023.826	W09734.043
RW31	N302333.52	W0973332.86	N3023.559	W09733.548
RW34	N302334.69	W0973358.28	N3023.578	W09733.971

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

RW13	00619	40
RW16	00615	50
RW31	00597	40
RW34	00599	50

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

ARINC PACKET - 424-18 - STAR

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        HUB   K4011710VDHW N29392022W095163583    N29392022W095163583E0050000472     NARHOBBY
        SUSAD        IAH   K4011660VTHA N29572490W095204459    N29572490W095204459E0050000812     NARHUMBLE
        SUSAD        LFK   K4011210VTHA N31094479W094430060    N31094479W094430060E0050002072     NARLUFKIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BASTO K40    C   L N30102505W097170409                      E0042     NAR           BASTO
        SUSAEAENRT   BITER K40    C     N30064505W097044775                      E0040     NAR           BITER
        SUSAEAENRT   ISHOV K40    C     N30085136W097115016                      E0041     NAR           ISHOV
        SUSAEAENRT   WAILN K40    W   L N29482963W096341712                      E0038     NAR           WAILN
        SUSAEAENRT   WEEED K40    W   L N29464514W096105494                      E0035     NAR           WEEED
        SUSAEAENRT   WLEEE K40    C   L N30025815W096521326                      E0039     NAR           WLEEE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGTUK4AGTU     0     050YHN30404371W097404578E006000790         1800018000C    MNAR    GEORGETOWN MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGTUK4EWLEEE24HUB   010HUB  K4D 0V       IF                                                18000
        SUSAP KGTUK4EWLEEE24HUB   020WEEEDK4EA0E    010TF                     27310479
        SUSAP KGTUK4EWLEEE24HUB   030WAILNK4EA0E    010TF                     26900204
        SUSAP KGTUK4EWLEEE24HUB   040WLEEEK4EA0EE H 010TF                     30690213
        SUSAP KGTUK4EWLEEE24IAH   010IAH  K4D 0V       IF                                                18000
        SUSAP KGTUK4EWLEEE24IAH   020WEEEDK4EA0E    010TF                     25050449
        SUSAP KGTUK4EWLEEE24IAH   030WAILNK4EA0E    010TF                     26900204
        SUSAP KGTUK4EWLEEE24IAH   040WLEEEK4EA0EE H 010TF                     30690213
        SUSAP KGTUK4EWLEEE24LFK   010LFK  K4D 0V       IF                                                18000
        SUSAP KGTUK4EWLEEE24LFK   020WEEEDK4EA0E    010TF                     21691124
        SUSAP KGTUK4EWLEEE24LFK   030WAILNK4EA0E    010TF                     26900204
        SUSAP KGTUK4EWLEEE24LFK   040WLEEEK4EA0EE H 010TF                     30690213
        SUSAP KGTUK4EWLEEE24WAILN 010WAILNK4EA0E       IF                                                18000
        SUSAP KGTUK4EWLEEE24WAILN 020WLEEEK4EA0EE H 010TF                     30690213
        SUSAP KGTUK4EWLEEE25ALL   010WLEEEK4EA0E  H    IF                                                18000
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

FAA Form 7100-3 (9/02)

```
SUSAP KGTUK4EWLEEE25ALL   020BITERK4EA0E    010TF                    28310115
SUSAP KGTUK4EWLEEE25ALL   030ISHOVK4EA0E    010TF                    28300065
SUSAP KGTUK4EWLEEE25ALL   040BASTOK4EA0EY   010TF                    28300048
SUSAP KGTUK4EWLEEE25ALL   050KGTU K4PA0AE      VM                    2830
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGTUK4GRW11    0041001146 N30405300W097411028-0700    +0214500790000040075R
        SUSAP KGTUK4GRW18    0050001776 N30410925W097404048-0800    +0213400786000035100R
        SUSAP KGTUK4GRW29    0041002946 N30403237W097402986+0700    +0205200759000040075R
        SUSAP KGTUK4GRW36    0050003576 N30401986W097404404+0800    +0201800748000050100R
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HUB	HUB	010		IF		FB					
	HUB	WEEED	020		TF		FB	1.0	273.1()	047.9		
	HUB	WAILN	030		TF		FB	1.0	269.0()	020.4		
	HUB	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	IAH	IAH	010		IF		FB					
	IAH	WEEED	020		TF		FB	1.0	250.5()	044.9		
	IAH	WAILN	030		TF		FB	1.0	269.0()	020.4		
	IAH	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	LFK	LFK	010		IF		FB					
	LFK	WEEED	020		TF		FB	1.0	216.9()	112.4		
	LFK	WAILN	030		TF		FB	1.0	269.0()	020.4		
	LFK	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	WAILN	WAILN	010		IF		FB					
	WAILN	WLEEE	020		TF		FB	1.0	306.9()	021.3		
	ALL	WLEEE	010		IF		FB					
	ALL	BITER	020		TF		FB	1.0	283.1()	011.5		
	ALL	ISHOV	030		TF		FB	1.0	283.0()	006.5		
	ALL	BASTO	040		TF		FO	1.0	283.0()	004.8		
	ALL	KGTU	050		VM		FB		283.0()			

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
HUB	N293920.22	W0951635.83	N2939.337	W09516.597
IAH	N295724.90	W0952044.59	N2957.415	W09520.743
LFK	N310944.79	W0944300.60	N3109.747	W09443.010
BASTO	N301025.05	W0971704.09	N3010.418	W09717.068
BITER	N300645.05	W0970447.75	N3006.751	W09704.796
ISHOV	N300851.36	W0971150.16	N3008.856	W09711.836
WAILN	N294829.63	W0963417.12	N2948.494	W09634.285
WEEED	N294645.14	W0961054.94	N2946.752	W09610.916
WLEEE	N300258.15	W0965213.26	N3002.969	W09652.221
RW11	N304053.00	W0974110.28	N3040.883	W09741.171
RW18	N304109.25	W0974040.48	N3041.154	W09740.675
RW29	N304032.37	W0974029.86	N3040.540	W09740.498
RW36	N304019.86	W0974044.04	N3040.331	W09740.734

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

RW11	00790	40
RW18	00786	35
RW29	00759	40
RW36	00748	50

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

ARINC PACKET - 424-18 - STAR

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        HUB   K4011710VDHW N29392022W095163583    N29392022W095163583E0050000472     NARHOBBY
        SUSAD        IAH   K4011660VTHA N29572490W095204459    N29572490W095204459E0050000812     NARHUMBLE
        SUSAD        LFK   K4011210VTHA N31094479W094430060    N31094479W094430060E0050002072     NARLUFKIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BASTO K40    C   L N30102505W097170409                    E0042     NAR           BASTO
        SUSAEAENRT   BITER K40    C     N30064505W097044775                    E0040     NAR           BITER
        SUSAEAENRT   ISHOV K40    C     N30085136W097115016                    E0041     NAR           ISHOV
        SUSAEAENRT   WAILN K40    W   L N29482963W096341712                    E0038     NAR           WAILN
        SUSAEAENRT   WEEED K40    W   L N29464514W096105494                    E0035     NAR           WEEED
        SUSAEAENRT   WLEEE K40    C   L N30025815W096521326                    E0039     NAR           WLEEE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHYIK4AHYI     0     063YHN29533390W097514680E007000595         1800018000C    MNAR    SAN MARCOS MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHYIK4EWLEEE24HUB   010HUB  K4D 0V       IF                                                    18000
        SUSAP KHYIK4EWLEEE24HUB   020WEEEDK4EA0E    010TF                    27310479
        SUSAP KHYIK4EWLEEE24HUB   030WAILNK4EA0E    010TF                    26900204
        SUSAP KHYIK4EWLEEE24HUB   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KHYIK4EWLEEE24IAH   010IAH  K4D 0V       IF                                                    18000
        SUSAP KHYIK4EWLEEE24IAH   020WEEEDK4EA0E    010TF                    25050449
        SUSAP KHYIK4EWLEEE24IAH   030WAILNK4EA0E    010TF                    26900204
        SUSAP KHYIK4EWLEEE24IAH   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KHYIK4EWLEEE24LFK   010LFK  K4D 0V       IF                                                    18000
        SUSAP KHYIK4EWLEEE24LFK   020WEEEDK4EA0E    010TF                    21691124
        SUSAP KHYIK4EWLEEE24LFK   030WAILNK4EA0E    010TF                    26900204
        SUSAP KHYIK4EWLEEE24LFK   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KHYIK4EWLEEE24WAILN 010WAILNK4EA0E       IF                                                    18000
        SUSAP KHYIK4EWLEEE24WAILN 020WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KHYIK4EWLEEE25ALL   010WLEEEK4EA0E  H    IF                                                    18000
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

```
SUSAP KHYIK4EWLEEE25ALL   020BITERK4EA0E    010TF                    28310115
SUSAP KHYIK4EWLEEE25ALL   030ISHOVK4EA0E    010TF                    28300065
SUSAP KHYIK4EWLEEE25ALL   040BASTOK4EA0EY   010TF                    28300048
SUSAP KHYIK4EWLEEE25ALL   050KHYI K4PA0AE      VM                    2830
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHYIK4GRW08    0063300809 N29533050W097523750-0100    +0153100588000050100D
        SUSAP KHYIK4GRW13    0056011259 N29534931W097521208-0400    +0154700593000057150IIRUM1
        SUSAP KHYIK4GRW17    0052141709 N29540608W097512790-0400    +0155100595000050100D
        SUSAP KHYIK4GRW26    0063302609 N29533285W097512564+0100    +0150700580000050100D
        SUSAP KHYIK4GRW31    0056013059 N29531158W097512545+0400    +0148700573000050150D
        SUSAP KHYIK4GRW35    0052143509 N29531450W097512570+0400    +0149200575000050100D
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HUB	HUB	010		IF		FB					
	HUB	WEEED	020		TF		FB	1.0	273.1()	047.9		
	HUB	WAILN	030		TF		FB	1.0	269.0()	020.4		
	HUB	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	IAH	IAH	010		IF		FB					
	IAH	WEEED	020		TF		FB	1.0	250.5()	044.9		
	IAH	WAILN	030		TF		FB	1.0	269.0()	020.4		
	IAH	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	LFK	LFK	010		IF		FB					
	LFK	WEEED	020		TF		FB	1.0	216.9()	112.4		
	LFK	WAILN	030		TF		FB	1.0	269.0()	020.4		
	LFK	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	WAILN	WAILN	010		IF		FB					
	WAILN	WLEEE	020		TF		FB	1.0	306.9()	021.3		
	ALL	WLEEE	010		IF		FB					
	ALL	BITER	020		TF		FB	1.0	283.1()	011.5		
	ALL	ISHOV	030		TF		FB	1.0	283.0()	006.5		
	ALL	BASTO	040		TF		FO	1.0	283.0()	004.8		
	ALL	KHYI	050		VM		FB		283.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HUB	N293920.22	W0951635.83	N2939.337	W09516.597
	IAH	N295724.90	W0952044.59	N2957.415	W09520.743
	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	BASTO	N301025.05	W0971704.09	N3010.418	W09717.068
	BITER	N300645.05	W0970447.75	N3006.751	W09704.796
	ISHOV	N300851.36	W0971150.16	N3008.856	W09711.836
	WAILN	N294829.63	W0963417.12	N2948.494	W09634.285
	WEEED	N294645.14	W0961054.94	N2946.752	W09610.916
	WLEEE	N300258.15	W0965213.26	N3002.969	W09652.221
	RW08	N295330.50	W0975237.50	N2953.508	W09752.625
	RW13	N295349.31	W0975212.08	N2953.822	W09752.201
	RW17	N295406.08	W0975127.90	N2954.101	W09751.465
	RW26	N295332.85	W0975125.64	N2953.548	W09751.427
	RW31	N295311.58	W0975125.45	N2953.193	W09751.424
	RW35	N295314.50	W0975125.70	N2953.242	W09751.428

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW08	00588	50
RW13	00593	57
RW17	00595	50
RW26	00580	50
RW31	00573	50
RW35	00575	50

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

ARINC PACKET - 424-18 - STAR

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        HUB   K4011710VDHW N29392022W095163583    N29392022W095163583E0050000472     NARHOBBY
        SUSAD        IAH   K4011660VTHA N29572490W095204459    N29572490W095204459E0050000812     NARHUMBLE
        SUSAD        LFK   K4011210VTHA N31094479W094430060    N31094479W094430060E0050002072     NARLUFKIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BASTO K40    C   L N30102505W097170409                      E0042     NAR           BASTO
        SUSAEAENRT   BITER K40    C     N30064505W097044775                      E0040     NAR           BITER
        SUSAEAENRT   ISHOV K40    C     N30085136W097115016                      E0041     NAR           ISHOV
        SUSAEAENRT   WAILN K40    W   L N29482963W096341712                      E0038     NAR           WAILN
        SUSAEAENRT   WEEED K40    W   L N29464514W096105494                      E0035     NAR           WEEED
        SUSAEAENRT   WLEEE K40    C   L N30025815W096521326                      E0039     NAR           WLEEE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRYWK4ARYW     0     038YHN30295491W097581010E007001231         1800018000C    MNAR    LAGO VISTA TX - RUSTY ALLEN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRYWK4EWLEEE24HUB   010HUB  K4D 0V       IF                                                  18000
        SUSAP KRYWK4EWLEEE24HUB   020WEEEDK4EA0E    010TF                    27310479
        SUSAP KRYWK4EWLEEE24HUB   030WAILNK4EA0E    010TF                    26900204
        SUSAP KRYWK4EWLEEE24HUB   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KRYWK4EWLEEE24IAH   010IAH  K4D 0V       IF                                                  18000
        SUSAP KRYWK4EWLEEE24IAH   020WEEEDK4EA0E    010TF                    25050449
        SUSAP KRYWK4EWLEEE24IAH   030WAILNK4EA0E    010TF                    26900204
        SUSAP KRYWK4EWLEEE24IAH   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KRYWK4EWLEEE24LFK   010LFK  K4D 0V       IF                                                  18000
        SUSAP KRYWK4EWLEEE24LFK   020WEEEDK4EA0E    010TF                    21691124
        SUSAP KRYWK4EWLEEE24LFK   030WAILNK4EA0E    010TF                    26900204
        SUSAP KRYWK4EWLEEE24LFK   040WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KRYWK4EWLEEE24WAILN 010WAILNK4EA0E       IF                                                  18000
        SUSAP KRYWK4EWLEEE24WAILN 020WLEEEK4EA0EE H 010TF                    30690213
        SUSAP KRYWK4EWLEEE25ALL   010WLEEEK4EA0E  H    IF                                                  18000
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

```
SUSAP KRYWK4EWLEEE25ALL   020BITERK4EA0E    010TF                    28310115
SUSAP KRYWK4EWLEEE25ALL   030ISHOVK4EA0E    010TF                    28300065
SUSAP KRYWK4EWLEEE25ALL   040BASTOK4EA0EY   010TF                    28300048
SUSAP KRYWK4EWLEEE25ALL   050KRYW K4PA0AE      VM                    2830
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRYWK4GRW15    0038081543 N30301276W097581704-0600    +034990123100004005 0R
        SUSAP KRYWK4GRW33    0038083343 N30293707W097580308+0600    +034340121000004305 0V
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HUB	HUB	010		IF		FB					
	HUB	WEEED	020		TF		FB	1.0	273.1()	047.9		
	HUB	WAILN	030		TF		FB	1.0	269.0()	020.4		
	HUB	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	IAH	IAH	010		IF		FB					
	IAH	WEEED	020		TF		FB	1.0	250.5()	044.9		
	IAH	WAILN	030		TF		FB	1.0	269.0()	020.4		
	IAH	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	LFK	LFK	010		IF		FB					
	LFK	WEEED	020		TF		FB	1.0	216.9()	112.4		
	LFK	WAILN	030		TF		FB	1.0	269.0()	020.4		
	LFK	WLEEE	040		TF		FB	1.0	306.9()	021.3		
	WAILN	WAILN	010		IF		FB					
	WAILN	WLEEE	020		TF		FB	1.0	306.9()	021.3		
	ALL	WLEEE	010		IF		FB					
	ALL	BITER	020		TF		FB	1.0	283.1()	011.5		
	ALL	ISHOV	030		TF		FB	1.0	283.0()	006.5		
	ALL	BASTO	040		TF		FO	1.0	283.0()	004.8		
	ALL	KRYW	050		VM		FB		283.0()			

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
HUB	N293920.22	W0951635.83	N2939.337	W09516.597
IAH	N295724.90	W0952044.59	N2957.415	W09520.743
LFK	N310944.79	W0944300.60	N3109.747	W09443.010
BASTO	N301025.05	W0971704.09	N3010.418	W09717.068
BITER	N300645.05	W0970447.75	N3006.751	W09704.796
ISHOV	N300851.36	W0971150.16	N3008.856	W09711.836
WAILN	N294829.63	W0963417.12	N2948.494	W09634.285
WEEED	N294645.14	W0961054.94	N2946.752	W09610.916
WLEEE	N300258.15	W0965213.26	N3002.969	W09652.221
RW15	N303012.76	W0975817.04	N3030.213	W09758.284
RW33	N302937.07	W0975803.08	N3029.618	W09758.051

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW15	01231	40

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

```
RW33    01210          43
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
WLEEE RNAV	TWO	WLEEE.WLEEE2	ONE	23 SEP 2010	

RADIO FIX AND HOLDING DATA RECORD

NAME: BASTO **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 301025.05N/0971704.09W **TYPE:** WP, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	INDUSTRY	IDU	VORTAC	L	281.28	289.28	39.80	39.80		3000	17500
2	COLLEGE STATION	CLL	VORTAC	L	232.27	240.27		51.73		3000	17500
3	CENTEX	CWK	VORTAC	H	127.83	133.83	17.69	17.69		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CLL	VORTAC	R-232	52	3000	17500

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

REMARKS:
INDUSTRY (FAC 1) AND COLLEGE STATION (FAC 2) AND CENTEX (FAC 3) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BITER	1		K6R4	AUSTIN	TX (US)
STAR	WLEEE (RNAV)			K6R4	AUSTIN	TX (US)
STAR	BITER	1		KAUS	AUSTIN	TX (US)
STAR	WLEEE (RNAV)			KAUS	AUSTIN	TX (US)
STAR	BITER	1		KGTU	GEORGETOWN	TX (US)
STAR	WLEEE (RNAV)			KGTU	GEORGETOWN	TX (US)
STAR	BITER	1		KRYW	LAGO VISTA	TX (US)
STAR	WLEEE (RNAV)			KRYW	LAGO VISTA	TX (US)
STAR	BITER	1		K3R9	LAKEWAY	TX (US)
STAR	WLEEE (RNAV)			K3R9	LAKEWAY	TX (US)
STAR	BITER	1		KHYI	SAN MARCOS	TX (US)
STAR	WLEEE (RNAV)			KHYI	SAN MARCOS	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
UPDATED FACS FROM HISTORY STATUS
ADDED COORDINATION FAC REMARK
UPDATED FIX USE

DEVELOPED BY: **DATE:** 07/26/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (WES COMBS)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZHU
ATC FACILITY: AUS APP CON, AUS ATCT
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BITER **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 300645.05N/0970447.75W **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	INDUSTRY	IDU	VORTAC	L	281.28	289.28	28.54	28.54		3000	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BITER	1		K6R4	AUSTIN	TX (US)
STAR	WLEEE (RNAV)			K6R4	AUSTIN	TX (US)
STAR	BITER	1		KAUS	AUSTIN	TX (US)
STAR	WLEEE (RNAV)			KAUS	AUSTIN	TX (US)
STAR	BITER	1		KGTU	GEORGETOWN	TX (US)
STAR	WLEEE (RNAV)			KGTU	GEORGETOWN	TX (US)
STAR	BITER	1		KRYW	LAGO VISTA	TX (US)
STAR	WLEEE (RNAV)			KRYW	LAGO VISTA	TX (US)
STAR	BITER	1		K3R9	LAKEWAY	TX (US)
STAR	WLEEE (RNAV)			K3R9	LAKEWAY	TX (US)
STAR	BITER	1		KHYI	SAN MARCOS	TX (US)
STAR	WLEEE (RNAV)			KHYI	SAN MARCOS	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
UPDATED FAC FROM HISTORY STATUS
UPDATED FIX USE
REMOVED EN ROUTE LOW FROM CHARTING

DEVELOPED BY: **DATE:** 07/26/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (WES COMBS)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZHU
ATC FACILITY: AUS
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HOBBY VOR/DME **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 293920.26N/0951635.92W **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	HOBBY	HUB	VOR/DME	H							45000

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	HUB	VOR/DME	146.95	326.95	R	1		3000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	BLDG (48-004185)	294531.00N/0952204.00W	1049	5D
1	200	STACK (48-004269)	294300.00N/0951339.00W	501	5D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PALACIOS			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	TRUAX			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	PALACIOS			KGLS	GALVESTON	TX (US)
DP	TRUAX			KGLS	GALVESTON	TX (US)
DP	PALACIOS			KAXH	HOUSTON	TX (US)
DP	PALACIOS			KCXO	HOUSTON	TX (US)
DP	PALACIOS			KDWH	HOUSTON	TX (US)
DP	PALACIOS			KEFD	HOUSTON	TX (US)
DP	TRUAX			KEFD	HOUSTON	TX (US)
DP	PALACIOS			KEYQ	HOUSTON	TX (US)
DP	PALACIOS			KHOU	HOUSTON	TX (US)
DP	TRUAX			KHOU	HOUSTON	TX (US)
DP	PALACIOS			KIAH	HOUSTON	TX (US)
DP	TRUAX			KIAH	HOUSTON	TX (US)
DP	PALACIOS			KIWS	HOUSTON	TX (US)
DP	PALACIOS			KSGR	HOUSTON	TX (US)
DP	TRUAX			KSGR	HOUSTON	TX (US)
DP	PALACIOS			KTME	HOUSTON	TX (US)
DP	PALACIOS			KT41	LA PORTE	TX (US)
DP	HUBEE (RNAV)			KSAT	SAN ANTONIO	TX (US)
DP	HUBEE (RNAV)			KSSF	SAN ANTONIO	TX (US)
EN ROUTE	J138					(US)
EN ROUTE	J177					(US)
EN ROUTE	J37					(US)
EN ROUTE	V15					(US)
EN ROUTE	V194					(US)
EN ROUTE	V198					(US)
EN ROUTE	V20					(US)
EN ROUTE	V68					(US)
EN ROUTE	V548					TX (US)
EN ROUTE	V558					TX (US)
EN ROUTE	V76					TX (US)
IAP	ILS OR LOC RWY 17			KLBX	ANGLETON/LAKE JACKSON	TX (US)
IAP	ILS OR LOC RWY 13			KGLS	GALVESTON	TX (US)
IAP	VOR RWY 13			KGLS	GALVESTON	TX (US)
IAP	LOC/DME RWY 9			KAXH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 14			KCXO	HOUSTON	TX (US)
IAP	NBD RWY 14			KCXO	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 17R			KEFD	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 22			KEFD	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 35L			KEFD	HOUSTON	TX (US)
IAP	NDB-F			KEYQ	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 12R			KHOU	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 30L			KHOU	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 4			KHOU	HOUSTON	TX (US)
IAP	ILS RWY 4 (CAT II)			KHOU	HOUSTON	TX (US)
IAP	ILS RWY 4 (CAT III)			KHOU	HOUSTON	TX (US)
IAP	LOC RWY 22			KHOU	HOUSTON	TX (US)
IAP	VOR/DME RWY 30L			KHOU	HOUSTON	TX (US)
IAP	VOR/DME RWY 35			KHOU	HOUSTON	TX (US)
IAP	VOR/DME RWY 4			KHOU	HOUSTON	TX (US)

QUALITY CHECKED 3

IAP	VOR/DME-E	KHOU	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 15R	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 26L	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 26R	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 27	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 8L	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 8R	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 9	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26L (CAT I)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26L (CAT II)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26L (CAT III)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26R (CAT I)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26R (CAT II)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26R (CAT III)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 27 (CAT I)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 27 (CAT II)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 27 (CAT III)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 8L (CAT II)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 8L (CAT III)	KIAH	HOUSTON	TX (US)
IAP	RNAV (GPS) Y RWY 33	KIWS	HOUSTON	TX (US)
IAP	VOR-D	KIWS	HOUSTON	TX (US)
IAP	VOR-B	KLVJ	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 35	KSGR	HOUSTON	TX (US)
IAP	VOR/DME-A	KSGR	HOUSTON	TX (US)
IAP	NDB RWY 30	KT41	LA PORTE	TX (US)
IAP	VOR-A	KT41	LA PORTE	TX (US)
STAR	CARNE	KT00	ANAHUAC	TX (US)
STAR	DAISETTA	KT00	ANAHUAC	TX (US)
STAR	KABOY (RNAV)	KT00	ANAHUAC	TX (US)
STAR	ROKIT (RNAV)	KT00	ANAHUAC	TX (US)
STAR	ROYOH	KT00	ANAHUAC	TX (US)
STAR	CARNE	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	DAISETTA	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	KABOY (RNAV)	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	ROKIT (RNAV)	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	ROYOH	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TEXNN	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	BITER	K6R4	AUSTIN	TX (US)
STAR	WLEEE (RNAV)	K6R4	AUSTIN	TX (US)
STAR	BITER	KAUS	AUSTIN	TX (US)
STAR	WLEEE (RNAV)	KAUS	AUSTIN	TX (US)
STAR	CARNE	K54T	BAYTOWN	TX (US)
STAR	DAISETTA	K54T	BAYTOWN	TX (US)
STAR	KABOY (RNAV)	K54T	BAYTOWN	TX (US)
STAR	ROKIT (RNAV)	K54T	BAYTOWN	TX (US)
STAR	ROYOH	K54T	BAYTOWN	TX (US)
STAR	CARNE	KHPY	BAYTOWN	TX (US)
STAR	DAISETTA	KHPY	BAYTOWN	TX (US)
STAR	KABOY (RNAV)	KHPY	BAYTOWN	TX (US)
STAR	ROKIT (RNAV)	KHPY	BAYTOWN	TX (US)
STAR	ROYOH	KHPY	BAYTOWN	TX (US)
STAR	CARNE	KGLS	GALVESTON	TX (US)
STAR	DAISETTA	KGLS	GALVESTON	TX (US)
STAR	KABOY (RNAV)	KGLS	GALVESTON	TX (US)
STAR	ROKIT (RNAV)	KGLS	GALVESTON	TX (US)
STAR	ROYOH	KGLS	GALVESTON	TX (US)
STAR	TEXNN	KGLS	GALVESTON	TX (US)
STAR	BITER	KGTU	GEORGETOWN	TX (US)
STAR	WLEEE (RNAV)	KGTU	GEORGETOWN	TX (US)
STAR	CARNE	KAXH	HOUSTON	TX (US)
STAR	DAISETTA	KAXH	HOUSTON	TX (US)
STAR	KABOY (RNAV)	KAXH	HOUSTON	TX (US)
STAR	ROKIT (RNAV)	KAXH	HOUSTON	TX (US)
STAR	ROYOH	KAXH	HOUSTON	TX (US)
STAR	CARNE	KCXO	HOUSTON	TX (US)
STAR	DAISETTA	KCXO	HOUSTON	TX (US)
STAR	GILCO	KCXO	HOUSTON	TX (US)
STAR	KABOY (RNAV)	KCXO	HOUSTON	TX (US)
STAR	ROKIT (RNAV)	KCXO	HOUSTON	TX (US)
STAR	ROYOH	KCXO	HOUSTON	TX (US)
STAR	CARNE	KDWH	HOUSTON	TX (US)
STAR	DAISETTA	KDWH	HOUSTON	TX (US)
STAR	GILCO	KDWH	HOUSTON	TX (US)
STAR	KABOY (RNAV)	KDWH	HOUSTON	TX (US)
STAR	ROKIT (RNAV)	KDWH	HOUSTON	TX (US)
STAR	ROYOH	KDWH	HOUSTON	TX (US)
STAR	CARNE	KEFD	HOUSTON	TX (US)
STAR	DAISETTA	KEFD	HOUSTON	TX (US)
STAR	KABOY (RNAV)	KEFD	HOUSTON	TX (US)
STAR	ROKIT (RNAV)	KEFD	HOUSTON	TX (US)
STAR	ROYOH	KEFD	HOUSTON	TX (US)
STAR	TEXNN	KEFD	HOUSTON	TX (US)
STAR	CARNE	KEYQ	HOUSTON	TX (US)
STAR	DAISETTA	KEYQ	HOUSTON	TX (US)
STAR	KABOY (RNAV)	KEYQ	HOUSTON	TX (US)
STAR	ROKIT (RNAV)	KEYQ	HOUSTON	TX (US)
STAR	ROYOH	KEYQ	HOUSTON	TX (US)
STAR	BLUBELL	KHOU	HOUSTON	TX (US)
STAR	CARNE	KHOU	HOUSTON	TX (US)
STAR	DAISETTA	KHOU	HOUSTON	TX (US)

QUALITY 3 CHECKED

STAR	KABOY (RNAV)	KHOU	HOUSTON	TX (US)
STAR	ROKIT (RNAV)	KHOU	HOUSTON	TX (US)
STAR	ROYOH	KHOU	HOUSTON	TX (US)
STAR	TEXNN	KHOU	HOUSTON	TX (US)
STAR	CARNE	KIAH	HOUSTON	TX (US)
STAR	DAISETTA	KIAH	HOUSTON	TX (US)
STAR	GILCO	KIAH	HOUSTON	TX (US)
STAR	KABOY (RNAV)	KIAH	HOUSTON	TX (US)
STAR	ROKIT (RNAV)	KIAH	HOUSTON	TX (US)
STAR	ROYOH	KIAH	HOUSTON	TX (US)
STAR	CARNE	KIWS	HOUSTON	TX (US)
STAR	DAISETTA	KIWS	HOUSTON	TX (US)
STAR	KABOY (RNAV)	KIWS	HOUSTON	TX (US)
STAR	ROKIT (RNAV)	KIWS	HOUSTON	TX (US)
STAR	ROYOH	KIWS	HOUSTON	TX (US)
STAR	ROYOH	KIWS	HOUSTON	TX (US)
STAR	CARNE	KLVJ	HOUSTON	TX (US)
STAR	DAISETTA	KLVJ	HOUSTON	TX (US)
STAR	KABOY (RNAV)	KLVJ	HOUSTON	TX (US)
STAR	ROKIT (RNAV)	KLVJ	HOUSTON	TX (US)
STAR	ROYOH	KLVJ	HOUSTON	TX (US)
STAR	CARNE	KSGR	HOUSTON	TX (US)
STAR	DAISETTA	KSGR	HOUSTON	TX (US)
STAR	KABOY (RNAV)	KSGR	HOUSTON	TX (US)
STAR	ROKIT (RNAV)	KSGR	HOUSTON	TX (US)
STAR	ROYOH	KSGR	HOUSTON	TX (US)
STAR	CARNE	KTME	HOUSTON	TX (US)
STAR	DAISETTA	KTME	HOUSTON	TX (US)
STAR	KABOY (RNAV)	KTME	HOUSTON	TX (US)
STAR	ROKIT (RNAV)	KTME	HOUSTON	TX (US)
STAR	ROYOH	KTME	HOUSTON	TX (US)
STAR	CARNE	KT41	LA PORTE	TX (US)
STAR	DAISETTA	KT41	LA PORTE	TX (US)
STAR	KABOY (RNAV)	KT41	LA PORTE	TX (US)
STAR	ROKIT (RNAV)	KT41	LA PORTE	TX (US)
STAR	ROYOH	KT41	LA PORTE	TX (US)
STAR	BITER	KRYW	LAGO VISTA	TX (US)
STAR	WLEEE (RNAV)	KRYW	LAGO VISTA	TX (US)
STAR	BITER	K3R9	LAKEWAY	TX (US)
STAR	WLEEE (RNAV)	K3R9	LAKEWAY	TX (US)
STAR	RODIO (RNAV)	KSAT	SAN ANTONIO	TX (US)
STAR	RODIO (RNAV)	KSKF	SAN ANTONIO	TX (US)
STAR	RODIO (RNAV)	KSSF	SAN ANTONIO	TX (US)
STAR	BITER	KHYI	SAN MARCOS	TX (US)
STAR	WLEEE (RNAV)	KHYI	SAN MARCOS	TX (US)
STAR	RODIO (RNAV)	KRND	UNIVERSAL CITY	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
UPDATED FAC FROM HISTORY STATUS
UPDATED FIX USE

DEVELOPED BY: **DATE:** 07/26/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (WES COMBS)

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

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUMBLE VORTAC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 295724.90N/0952044.59W **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	FAC FEET	MRA	MAA
1	HUMBLE	IAH	VORTAC	H							45000

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

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (48-005638)	295642.00N/0953214.00W	722	5D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JACKSON			KJAN	JACKSON	MS (US)
DP	ALEXANDRIA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	CRIED			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	EL DORADO			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	INDUSTRY			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	LEONA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	LUFKIN			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	GIFFA			K54T	BAYTOWN	TX (US)
DP	GIFFA			KHPY	BAYTOWN	TX (US)
DP	ALEXANDRIA			KGLS	GALVESTON	TX (US)
DP	CRIED			KGLS	GALVESTON	TX (US)
DP	EL DORADO			KGLS	GALVESTON	TX (US)
DP	GIFFA			KGLS	GALVESTON	TX (US)
DP	INDUSTRY			KGLS	GALVESTON	TX (US)
DP	LEONA			KGLS	GALVESTON	TX (US)
DP	LUFKIN			KGLS	GALVESTON	TX (US)
DP	ALEXANDRIA			KAXH	HOUSTON	TX (US)
DP	CRIED			KAXH	HOUSTON	TX (US)
DP	EL DORADO			KAXH	HOUSTON	TX (US)
DP	GIFFA			KAXH	HOUSTON	TX (US)
DP	INDUSTRY			KAXH	HOUSTON	TX (US)
DP	LEONA			KAXH	HOUSTON	TX (US)
DP	LUFKIN			KAXH	HOUSTON	TX (US)
DP	ALEXANDRIA			KCXO	HOUSTON	TX (US)
DP	CRIED			KCXO	HOUSTON	TX (US)
DP	EL DORADO			KCXO	HOUSTON	TX (US)
DP	GIFFA			KCXO	HOUSTON	TX (US)
DP	INDUSTRY			KCXO	HOUSTON	TX (US)
DP	JUNCTION			KCXO	HOUSTON	TX (US)
DP	LAKE CHARLES			KCXO	HOUSTON	TX (US)
DP	LEONA			KCXO	HOUSTON	TX (US)
DP	LUFKIN			KCXO	HOUSTON	TX (US)
DP	ALEXANDRIA			KDWH	HOUSTON	TX (US)
DP	CRIED			KDWH	HOUSTON	TX (US)
DP	DAISETTA			KDWH	HOUSTON	TX (US)
DP	EL DORADO			KDWH	HOUSTON	TX (US)
DP	GIFFA			KDWH	HOUSTON	TX (US)
DP	INDUSTRY			KDWH	HOUSTON	TX (US)
DP	JUNCTION			KDWH	HOUSTON	TX (US)
DP	LAKE CHARLES			KDWH	HOUSTON	TX (US)
DP	LEONA			KDWH	HOUSTON	TX (US)
DP	LUFKIN			KDWH	HOUSTON	TX (US)
DP	ALEXANDRIA			KEFD	HOUSTON	TX (US)
DP	CRIED			KEFD	HOUSTON	TX (US)
DP	EL DORADO			KEFD	HOUSTON	TX (US)
DP	GIFFA			KEFD	HOUSTON	TX (US)
DP	INDUSTRY			KEFD	HOUSTON	TX (US)
DP	LEONA			KEFD	HOUSTON	TX (US)
DP	LUFKIN			KEFD	HOUSTON	TX (US)
DP	ALEXANDRIA			KEYQ	HOUSTON	TX (US)
DP	CRIED			KEYQ	HOUSTON	TX (US)
DP	EL DORADO			KEYQ	HOUSTON	TX (US)
DP	GIFFA			KEYQ	HOUSTON	TX (US)
DP	INDUSTRY			KEYQ	HOUSTON	TX (US)
DP	LEONA			KEYQ	HOUSTON	TX (US)
DP	LUFKIN			KEYQ	HOUSTON	TX (US)
DP	ALEXANDRIA			KHOU	HOUSTON	TX (US)

QUALITY 3 CHECKED

DP	CRIED	KHOU	HOUSTON	TX (US)
DP	EL DORADO	KHOU	HOUSTON	TX (US)
DP	GIFFA	KHOU	HOUSTON	TX (US)
DP	INDUSTRY	KHOU	HOUSTON	TX (US)
DP	LEONA	KHOU	HOUSTON	TX (US)
DP	LUFKIN	KHOU	HOUSTON	TX (US)
DP	ALEXANDRIA	KIAH	HOUSTON	TX (US)
DP	CRIED	KIAH	HOUSTON	TX (US)
DP	EL DORADO	KIAH	HOUSTON	TX (US)
DP	GIFFA	KIAH	HOUSTON	TX (US)
DP	INDUSTRY	KIAH	HOUSTON	TX (US)
DP	JUNCTION	KIAH	HOUSTON	TX (US)
DP	LAKE CHARLES	KIAH	HOUSTON	TX (US)
DP	LEONA	KIAH	HOUSTON	TX (US)
DP	LUFKIN	KIAH	HOUSTON	TX (US)
DP	ALEXANDRIA	KIWS	HOUSTON	TX (US)
DP	CRIED	KIWS	HOUSTON	TX (US)
DP	EL DORADO	KIWS	HOUSTON	TX (US)
DP	GIFFA	KIWS	HOUSTON	TX (US)
DP	INDUSTRY	KIWS	HOUSTON	TX (US)
DP	LEONA	KIWS	HOUSTON	TX (US)
DP	LUFKIN	KIWS	HOUSTON	TX (US)
DP	ALEXANDRIA	KSGR	HOUSTON	TX (US)
DP	CRIED	KSGR	HOUSTON	TX (US)
DP	EL DORADO	KSGR	HOUSTON	TX (US)
DP	GIFFA	KSGR	HOUSTON	TX (US)
DP	INDUSTRY	KSGR	HOUSTON	TX (US)
DP	LEONA	KSGR	HOUSTON	TX (US)
DP	LUFKIN	KSGR	HOUSTON	TX (US)
DP	ALEXANDRIA	KTME	HOUSTON	TX (US)
DP	CRIED	KTME	HOUSTON	TX (US)
DP	EL DORADO	KTME	HOUSTON	TX (US)
DP	GIFFA	KTME	HOUSTON	TX (US)
DP	INDUSTRY	KTME	HOUSTON	TX (US)
DP	LEONA	KTME	HOUSTON	TX (US)
DP	LUFKIN	KTME	HOUSTON	TX (US)
DP	ALEXANDRIA	KT41	LA PORTE	TX (US)
DP	CRIED	KT41	LA PORTE	TX (US)
DP	EL DORADO	KT41	LA PORTE	TX (US)
DP	GIFFA	KT41	LA PORTE	TX (US)
DP	INDUSTRY	KT41	LA PORTE	TX (US)
DP	LEONA	KT41	LA PORTE	TX (US)
DP	LUFKIN	KT41	LA PORTE	TX (US)
DP	HUBEE (RNAV)	KSAT	SAN ANTONIO	TX (US)
DP	HUBEE (RNAV)	KSSF	SAN ANTONIO	TX (US)
EN ROUTE	J101			(US)
EN ROUTE	J15			(US)
EN ROUTE	J177			(US)
EN ROUTE	J180			(US)
EN ROUTE	J2			(US)
EN ROUTE	J29			(US)
EN ROUTE	J33			(US)
EN ROUTE	J86			(US)
EN ROUTE	J87			(US)
EN ROUTE	V13			(US)
EN ROUTE	V222			(US)
EN ROUTE	V407-574			(US)
EN ROUTE	V477			(US)
EN ROUTE	V571-574			(US)
IAP	RNAV (GPS) RWY 32	KCXO	HOUSTON	TX (US)
IAP	LOC RWY 17R	KDWH	HOUSTON	TX (US)
IAP	ILS RWY 22	KEFD	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 12R	KHOU	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 30L	KHOU	HOUSTON	TX (US)
IAP	LOC RWY 22	KHOU	HOUSTON	TX (US)
IAP	VOR/DME RWY 30L	KHOU	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 15R	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 26L	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 26R	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 27	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 33R	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 8L	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 8R	KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 9	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26L (CAT II)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26L (CAT III)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26R (CAT II)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26R (CAT III)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 27 (CAT II)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 27 (CAT III)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 8L (CAT II)	KIAH	HOUSTON	TX (US)
IAP	ILS RWY 8L (CAT III)	KIAH	HOUSTON	TX (US)
IAP	VOR-D	KIWS	HOUSTON	TX (US)
STAR	CARNE	KT00	ANAHUAC	TX (US)
STAR	DAISETTA	KT00	ANAHUAC	TX (US)
STAR	DOCCC	KT00	ANAHUAC	TX (US)
STAR	CARNE	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	DAISETTA	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	DOCCC	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	BITER	K6R4	AUSTIN	TX (US)

QUALITY 3 RECORD

STAR	WLEEE (RNAV)	K6R4	AUSTIN	TX (US)
STAR	BITER	KAUS	AUSTIN	TX (US)
STAR	WLEEE (RNAV)	KAUS	AUSTIN	TX (US)
STAR	CARNE	K54T	BAYTOWN	TX (US)
STAR	DAISETTA	K54T	BAYTOWN	TX (US)
STAR	DOCCC	K54T	BAYTOWN	TX (US)
STAR	CARNE	KHPY	BAYTOWN	TX (US)
STAR	DAISETTA	KHPY	BAYTOWN	TX (US)
STAR	DOCCC	KHPY	BAYTOWN	TX (US)
STAR	CEDAR CREEK	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	DUMPY	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	DODJE	KAFW	FORT WORTH	TX (US)
STAR	CARNE	KGLS	GALVESTON	TX (US)
STAR	DAISETTA	KGLS	GALVESTON	TX (US)
STAR	DOCCC	KGLS	GALVESTON	TX (US)
STAR	BITER	KGTU	GEORGETOWN	TX (US)
STAR	WLEEE (RNAV)	KGTU	GEORGETOWN	TX (US)
STAR	CARNE	KAXH	HOUSTON	TX (US)
STAR	DAISETTA	KAXH	HOUSTON	TX (US)
STAR	DOCCC	KAXH	HOUSTON	TX (US)
STAR	CARNE	KCXO	HOUSTON	TX (US)
STAR	DAISETTA	KCXO	HOUSTON	TX (US)
STAR	GILCO	KCXO	HOUSTON	TX (US)
STAR	RIICE	KCXO	HOUSTON	TX (US)
STAR	CARNE	KDWH	HOUSTON	TX (US)
STAR	GILCO	KDWH	HOUSTON	TX (US)
STAR	RIICE	KDWH	HOUSTON	TX (US)
STAR	CARNE	KEFD	HOUSTON	TX (US)
STAR	DAISETTA	KEFD	HOUSTON	TX (US)
STAR	DOCCC	KEFD	HOUSTON	TX (US)
STAR	CARNE	KEYQ	HOUSTON	TX (US)
STAR	DAISETTA	KEYQ	HOUSTON	TX (US)
STAR	DOCCC	KEYQ	HOUSTON	TX (US)
STAR	CARNE	KHOU	HOUSTON	TX (US)
STAR	DAISETTA	KHOU	HOUSTON	TX (US)
STAR	DOCCC	KHOU	HOUSTON	TX (US)
STAR	RIICE	KHOU	HOUSTON	TX (US)
STAR	CARNE	KIAH	HOUSTON	TX (US)
STAR	DAISETTA	KIAH	HOUSTON	TX (US)
STAR	GILCO	KIAH	HOUSTON	TX (US)
STAR	RIICE	KIAH	HOUSTON	TX (US)
STAR	CARNE	KIWS	HOUSTON	TX (US)
STAR	DAISETTA	KIWS	HOUSTON	TX (US)
STAR	DOCCC	KIWS	HOUSTON	TX (US)
STAR	CARNE	KLVJ	HOUSTON	TX (US)
STAR	DAISETTA	KLVJ	HOUSTON	TX (US)
STAR	DOCCC	KLVJ	HOUSTON	TX (US)
STAR	CARNE	KSGR	HOUSTON	TX (US)
STAR	DAISETTA	KSGR	HOUSTON	TX (US)
STAR	DOCCC	KSGR	HOUSTON	TX (US)
STAR	CARNE	KTME	HOUSTON	TX (US)
STAR	DAISETTA	KTME	HOUSTON	TX (US)
STAR	DOCCC	KTME	HOUSTON	TX (US)
STAR	CARNE	KT41	LA PORTE	TX (US)
STAR	DAISETTA	KT41	LA PORTE	TX (US)
STAR	DOCCC	KT41	LA PORTE	TX (US)
STAR	BITER	KRYW	LAGO VISTA	TX (US)
STAR	WLEEE (RNAV)	KRYW	LAGO VISTA	TX (US)
STAR	BITER	K3R9	LAKEWAY	TX (US)
STAR	WLEEE (RNAV)	K3R9	LAKEWAY	TX (US)
STAR	RODIO (RNAV)	KSAT	SAN ANTONIO	TX (US)
STAR	RODIO (RNAV)	KSKF	SAN ANTONIO	TX (US)
STAR	RODIO (RNAV)	KSSF	SAN ANTONIO	TX (US)
STAR	BITER	KHYI	SAN MARCOS	TX (US)
STAR	WLEEE (RNAV)	KHYI	SAN MARCOS	TX (US)
STAR	RODIO (RNAV)	KRND	UNIVERSAL CITY	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
UPDATED FAC FROM HISTORY STATUS
UPDATED UPN HOLDING CONTROLLING OBSTRUCTION
UPDATED FIX USE

DEVELOPED BY: **DATE:** 07/26/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (WES COMBS)

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

SIGNATURE:

QUALITY 3 CHECKED

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: IAH
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ISHOV **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 300851.36N/0971150.16W **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	INDUSTRY	IDU	VORTAC	L	281.28	289.28	35.00	35.00		3000	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BITER	1		K6R4	AUSTIN	TX (US)
STAR	WLEEE (RNAV)			K6R4	AUSTIN	TX (US)
STAR	BITER	1		KAUS	AUSTIN	TX (US)
STAR	WLEEE (RNAV)			KAUS	AUSTIN	TX (US)
STAR	BITER	1		KGTU	GEORGETOWN	TX (US)
STAR	WLEEE (RNAV)			KGTU	GEORGETOWN	TX (US)
STAR	BITER	1		KRYW	LAGO VISTA	TX (US)
STAR	WLEEE (RNAV)			KRYW	LAGO VISTA	TX (US)
STAR	BITER	1		K3R9	LAKEWAY	TX (US)
STAR	WLEEE (RNAV)			K3R9	LAKEWAY	TX (US)
STAR	BITER	1		KHYI	SAN MARCOS	TX (US)
STAR	WLEEE (RNAV)			KHYI	SAN MARCOS	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
UPDATED FAC FROM HISTORY STATUS
UPDATED FIX USE

DEVELOPED BY: **DATE:** 07/26/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (WES COMBS)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: AUS
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LUFKIN VORTAC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 310944.79N/0944300.60W **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	LUFKIN	LFK	VORTAC	H							45000

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	LFK	VORTAC	151.67	331.67	R	1-1 1/2		2000	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (48-009194)	311741.00N/0944245.00W	775	5D
1	200	TOWER (48-001429)	311013.00N/0944631.00W	638	3C

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE AIRWAY MEA'S.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALEXANDRIA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	CRIED			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	EL DORADO			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	LUFKIN			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	ALEXANDRIA			KGLS	GALVESTON	TX (US)
DP	CRIED			KGLS	GALVESTON	TX (US)
DP	EL DORADO			KGLS	GALVESTON	TX (US)
DP	LUFKIN			KGLS	GALVESTON	TX (US)
DP	ALEXANDRIA			KAXH	HOUSTON	TX (US)
DP	CRIED			KAXH	HOUSTON	TX (US)
DP	EL DORADO			KAXH	HOUSTON	TX (US)
DP	LUFKIN			KAXH	HOUSTON	TX (US)
DP	ALEXANDRIA			KCXO	HOUSTON	TX (US)
DP	CRIED			KCXO	HOUSTON	TX (US)
DP	EL DORADO			KCXO	HOUSTON	TX (US)
DP	LUFKIN			KCXO	HOUSTON	TX (US)
DP	ALEXANDRIA			KDWH	HOUSTON	TX (US)
DP	CRIED			KDWH	HOUSTON	TX (US)
DP	EL DORADO			KDWH	HOUSTON	TX (US)
DP	LUFKIN			KDWH	HOUSTON	TX (US)
DP	ALEXANDRIA			KEFD	HOUSTON	TX (US)
DP	CRIED			KEFD	HOUSTON	TX (US)
DP	EL DORADO			KEFD	HOUSTON	TX (US)
DP	LUFKIN			KEFD	HOUSTON	TX (US)
DP	ALEXANDRIA			KEYQ	HOUSTON	TX (US)
DP	CRIED			KEYQ	HOUSTON	TX (US)
DP	EL DORADO			KEYQ	HOUSTON	TX (US)
DP	LUFKIN			KEYQ	HOUSTON	TX (US)
DP	ALEXANDRIA			KHOU	HOUSTON	TX (US)
DP	CRIED			KHOU	HOUSTON	TX (US)
DP	EL DORADO			KHOU	HOUSTON	TX (US)
DP	LUFKIN			KHOU	HOUSTON	TX (US)
DP	ALEXANDRIA			KIAH	HOUSTON	TX (US)
DP	CRIED			KIAH	HOUSTON	TX (US)
DP	EL DORADO			KIAH	HOUSTON	TX (US)
DP	LUFKIN			KIAH	HOUSTON	TX (US)
DP	ALEXANDRIA			KIWS	HOUSTON	TX (US)
DP	CRIED			KIWS	HOUSTON	TX (US)
DP	EL DORADO			KIWS	HOUSTON	TX (US)
DP	LUFKIN			KIWS	HOUSTON	TX (US)
DP	ALEXANDRIA			KSGR	HOUSTON	TX (US)
DP	CRIED			KSGR	HOUSTON	TX (US)
DP	EL DORADO			KSGR	HOUSTON	TX (US)
DP	LUFKIN			KSGR	HOUSTON	TX (US)
DP	ALEXANDRIA			KTME	HOUSTON	TX (US)
DP	CRIED			KTME	HOUSTON	TX (US)
DP	EL DORADO			KTME	HOUSTON	TX (US)
DP	LUFKIN			KTME	HOUSTON	TX (US)
DP	ALEXANDRIA			KT41	LA PORTE	TX (US)
DP	CRIED			KT41	LA PORTE	TX (US)
DP	EL DORADO			KT41	LA PORTE	TX (US)

QUALITY 3 CHECKED

DP	LUFKIN		KT41	LA PORTE	TX (US)
EN ROUTE	J101				(US)
EN ROUTE	J27				(US)
EN ROUTE	J50				(US)
EN ROUTE	V13				(US)
EN ROUTE	V212				(US)
EN ROUTE	V289				(US)
EN ROUTE	V407				(US)
EN ROUTE	V565				(US)
EN ROUTE	V569				(US)
IAP	NDB RWY 17		KF17	CENTER	TX (US)
IAP	RNAV (GPS) RWY 35		KF17	CENTER	TX (US)
IAP	RNAV (GPS) RWY 2		KDKR	CROCKETT	TX (US)
IAP	RNAV (GPS) RWY 20		KDKR	CROCKETT	TX (US)
IAP	RNAV (GPS) RWY 18		KJAS	JASPER	TX (US)
IAP	ILS OR LOC RWY 7	1	KLFK	LUFKIN	TX (US)
IAP	RNAV (GPS) RWY 15		KLFK	LUFKIN	TX (US)
IAP	RNAV (GPS) RWY 25		KLFK	LUFKIN	TX (US)
IAP	RNAV (GPS) RWY 33		KLFK	LUFKIN	TX (US)
IAP	RNAV (GPS) RWY 7		KLFK	LUFKIN	TX (US)
IAP	VOR RWY 33	1	KLFK	LUFKIN	TX (US)
IAP	VOR/DME RWY 15	1	KLFK	LUFKIN	TX (US)
IAP	ILS OR LOC RWY 36		KOCH	NACOGDOCHES	TX (US)
IAP	NDB RWY 18		KOCH	NACOGDOCHES	TX (US)
IAP	RNAV (GPS) RWY 18		KOCH	NACOGDOCHES	TX (US)
STAR	DAISETTA		KT00	ANAHUAC	TX (US)
STAR	KLTCH		KT00	ANAHUAC	TX (US)
STAR	ROKIT (RNAV)		KT00	ANAHUAC	TX (US)
STAR	DAISETTA		KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	KLTCH		KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	ROKIT (RNAV)		KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	BITER		K6R4	AUSTIN	TX (US)
STAR	WLEEE (RNAV)		K6R4	AUSTIN	TX (US)
STAR	BITER		KAUS	AUSTIN	TX (US)
STAR	WLEEE (RNAV)		KAUS	AUSTIN	TX (US)
STAR	DAISETTA		K54T	BAYTOWN	TX (US)
STAR	KLTCH		K54T	BAYTOWN	TX (US)
STAR	ROKIT (RNAV)		K54T	BAYTOWN	TX (US)
STAR	DAISETTA		KHPY	BAYTOWN	TX (US)
STAR	KLTCH		KHPY	BAYTOWN	TX (US)
STAR	ROKIT (RNAV)		KHPY	BAYTOWN	TX (US)
STAR	JAGGO		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	DAISETTA		KGLS	GALVESTON	TX (US)
STAR	KLTCH		KGLS	GALVESTON	TX (US)
STAR	ROKIT (RNAV)		KGLS	GALVESTON	TX (US)
STAR	BITER		KGTU	GEORGETOWN	TX (US)
STAR	WLEEE (RNAV)		KGTU	GEORGETOWN	TX (US)
STAR	DAISETTA		KAXH	HOUSTON	TX (US)
STAR	KLTCH		KAXH	HOUSTON	TX (US)
STAR	ROKIT (RNAV)		KAXH	HOUSTON	TX (US)
STAR	DAISETTA		KCXO	HOUSTON	TX (US)
STAR	KLTCH		KCXO	HOUSTON	TX (US)
STAR	ROKIT (RNAV)		KCXO	HOUSTON	TX (US)
STAR	DAISETTA		KDWH	HOUSTON	TX (US)
STAR	KLTCH		KDWH	HOUSTON	TX (US)
STAR	ROKIT (RNAV)		KDWH	HOUSTON	TX (US)
STAR	DAISETTA		KEFD	HOUSTON	TX (US)
STAR	KLTCH		KEFD	HOUSTON	TX (US)
STAR	ROKIT (RNAV)		KEFD	HOUSTON	TX (US)
STAR	DAISETTA		KEYQ	HOUSTON	TX (US)
STAR	KLTCH		KEYQ	HOUSTON	TX (US)
STAR	ROKIT (RNAV)		KEYQ	HOUSTON	TX (US)
STAR	DAISETTA		KHOU	HOUSTON	TX (US)
STAR	KLTCH		KHOU	HOUSTON	TX (US)
STAR	ROKIT (RNAV)		KHOU	HOUSTON	TX (US)
STAR	DAISETTA		KIAH	HOUSTON	TX (US)
STAR	KLTCH		KIAH	HOUSTON	TX (US)
STAR	ROKIT (RNAV)		KIAH	HOUSTON	TX (US)
STAR	TXMEX (RNAV)		KIAH	HOUSTON	TX (US)
STAR	DAISETTA		KIWS	HOUSTON	TX (US)
STAR	KLTCH		KIWS	HOUSTON	TX (US)
STAR	ROKIT (RNAV)		KIWS	HOUSTON	TX (US)
STAR	DAISETTA		KLVJ	HOUSTON	TX (US)
STAR	KLTCH		KLVJ	HOUSTON	TX (US)
STAR	ROKIT (RNAV)		KLVJ	HOUSTON	TX (US)
STAR	DAISETTA		KSGR	HOUSTON	TX (US)
STAR	KLTCH		KSGR	HOUSTON	TX (US)
STAR	ROKIT (RNAV)		KSGR	HOUSTON	TX (US)
STAR	DAISETTA		KTME	HOUSTON	TX (US)
STAR	KLTCH		KTME	HOUSTON	TX (US)
STAR	ROKIT (RNAV)		KTME	HOUSTON	TX (US)
STAR	DAISETTA		KT41	LA PORTE	TX (US)
STAR	KLTCH		KT41	LA PORTE	TX (US)
STAR	ROKIT (RNAV)		KT41	LA PORTE	TX (US)
STAR	BITER		KRYW	LAGO VISTA	TX (US)
STAR	WLEEE (RNAV)		KRYW	LAGO VISTA	TX (US)
STAR	BITER		K3R9	LAKEWAY	TX (US)
STAR	WLEEE (RNAV)		K3R9	LAKEWAY	TX (US)
STAR	MARCS		KSAT	SAN ANTONIO	TX (US)
STAR	RODIO (RNAV)		KSAT	SAN ANTONIO	TX (US)

QUALITY CHECKED

STAR	RODIO (RNAV)	KSKF	SAN ANTONIO	TX (US)
STAR	RODIO (RNAV)	KSSF	SAN ANTONIO	TX (US)
STAR	BITER	KHYI	SAN MARCOS	TX (US)
STAR	WLEEE (RNAV)	KHYI	SAN MARCOS	TX (US)
STAR	RODIO (RNAV)	KRND	UNIVERSAL CITY	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
UPDATED FAC FROM HISTORY STATUS
UPDATED FIX USE

DEVELOPED BY: **DATE:** 07/26/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (WES COMBS)

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

SIGNATURE:

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

QUALITY CHECK 3

RADIO FIX AND HOLDING DATA RECORD

NAME: WLEEE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 300258.15N/0965213.26W **TYPE:** WP, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	INDUSTRY	IDU	VORTAC	L	281.28	289.28	17.00	17.00		6000	17500
2	COLLEGE STATION	CLL	VORTAC	L	207.19	215.19		40.63		6000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CLL	VORTAC	R-207	41	6000	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	E		WP	103.13	283.13	L		10	6000	17500	15	15
2	E	IDU	VORTAC	281.28	281.28	L	1		6000	17500	7	15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-005195)	300005.00N/0964920.00W	999	3C
2	200	TOWER (48-005195)	300005.00N/0964920.00W	999	3C

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

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
INDUSTRY (FAC 1) AND COLLEGE STATION (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PAT 1: EVALUATED FOR 10 NM LEGS. ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BITER	1, 2	2	K6R4	AUSTIN	TX (US)
STAR	WLEEE (RNAV)		1	K6R4	AUSTIN	TX (US)
STAR	BITER	1, 2	2	KAUS	AUSTIN	TX (US)
STAR	WLEEE (RNAV)		1	KAUS	AUSTIN	TX (US)
STAR	BITER	1, 2	2	KGTU	GEORGETOWN	TX (US)
STAR	WLEEE (RNAV)		1	KGTU	GEORGETOWN	TX (US)
STAR	BITER	1, 2	2	KRYW	LAGO VISTA	TX (US)
STAR	WLEEE (RNAV)		1	KRYW	LAGO VISTA	TX (US)
STAR	BITER	1, 2	2	K3R9	LAKEWAY	TX (US)
STAR	WLEEE (RNAV)		1	K3R9	LAKEWAY	TX (US)
STAR	BITER	1, 2	2	KHYI	SAN MARCOS	TX (US)
STAR	WLEEE (RNAV)		1	KHYI	SAN MARCOS	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
UPDATED FACILITIES FROM HISTORY STATUS
ADDED COORDINATION FACILITY REMARK
UPDATED FIX USE

DEVELOPED BY: **DATE:** 07/26/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (WES COMBS)

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

SIGNATURE:

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

QUALITY 3 CHECKED

OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WAILN **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 294829.63N/0963417.12W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WAILN (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	WAILN (RNAV)			KGLS	GALVESTON	TX (US)
DP	WAILN (RNAV)			KAXH	HOUSTON	TX (US)
DP	WAILN (RNAV)			KCXO	HOUSTON	TX (US)
DP	WAILN (RNAV)			KDWH	HOUSTON	TX (US)
DP	WAILN (RNAV)			KEFD	HOUSTON	TX (US)
DP	WAILN (RNAV)			KEYQ	HOUSTON	TX (US)
DP	WAILN (RNAV)			KHOU	HOUSTON	TX (US)
DP	WAILN (RNAV)			KIAH	HOUSTON	TX (US)
DP	WAILN (RNAV)			KIWS	HOUSTON	TX (US)
DP	WAILN (RNAV)			KSGR	HOUSTON	TX (US)
DP	WAILN (RNAV)			KTME	HOUSTON	TX (US)
DP	WAILN (RNAV)			KT41	LA PORTE	TX (US)
STAR	WLEEE (RNAV)			KAUS	AUSTIN	TX (US)
STAR	WLEEE (RNAV)			KEDC	AUSTIN	TX (US)
STAR	WLEEE (RNAV)			KGTU	GEORGETOWN	TX (US)
STAR	WLEEE (RNAV)			KRYW	LAGO VISTA	TX (US)
STAR	WLEEE (RNAV)			K3R9	LAKEWAY	TX (US)
STAR	RODIO (RNAV)			KSAT	SAN ANTONIO	TX (US)
STAR	RODIO (RNAV)			KSKF	SAN ANTONIO	TX (US)
STAR	RODIO (RNAV)			KSSF	SAN ANTONIO	TX (US)
STAR	WLEEE (RNAV)			KHYI	SAN MARCOS	TX (US)
STAR	RODIO (RNAV)			KRND	UNIVERSAL CITY	TX (US)

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

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/30/2009 **OFFICE:** AVN-120 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

INFO ONLY

QUALITY CHECKED 3

RADIO FIX AND HOLDING DATA RECORD

NAME: WEEED **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 294645.14N/0961054.94W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WAILN (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	WAILN (RNAV)			KGLS	GALVESTON	TX (US)
DP	WAILN (RNAV)			KAXH	HOUSTON	TX (US)
DP	WAILN (RNAV)			KCXO	HOUSTON	TX (US)
DP	WAILN (RNAV)			KDWH	HOUSTON	TX (US)
DP	WAILN (RNAV)			KEFD	HOUSTON	TX (US)
DP	WAILN (RNAV)			KEYQ	HOUSTON	TX (US)
DP	WAILN (RNAV)			KHOU	HOUSTON	TX (US)
DP	WAILN (RNAV)			KIAH	HOUSTON	TX (US)
DP	WAILN (RNAV)			KIWS	HOUSTON	TX (US)
DP	WAILN (RNAV)			KSGR	HOUSTON	TX (US)
DP	WAILN (RNAV)			KTME	HOUSTON	TX (US)
DP	WAILN (RNAV)			KT41	LA PORTE	TX (US)
STAR	WLEEE (RNAV)			KAUS	AUSTIN	TX (US)
STAR	WLEEE (RNAV)			KEDC	AUSTIN	TX (US)
STAR	WLEEE (RNAV)			KGTU	GEORGETOWN	TX (US)
STAR	WLEEE (RNAV)			KRYW	LAGO VISTA	TX (US)
STAR	WLEEE (RNAV)			K3R9	LAKEWAY	TX (US)
STAR	RODIO (RNAV)			KSAT	SAN ANTONIO	TX (US)
STAR	RODIO (RNAV)			KSKF	SAN ANTONIO	TX (US)
STAR	RODIO (RNAV)			KSSF	SAN ANTONIO	TX (US)
STAR	WLEEE (RNAV)			KHYI	SAN MARCOS	TX (US)
STAR	RODIO (RNAV)			KRND	UNIVERSAL CITY	TX (US)

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

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/30/2009 **OFFICE:** AVN-120 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

INFO ONLY

QUALITY 3 CHECKED