Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 01/27/2012	Task #: 2011120626819603001	Request #: 20111206268196
Procedure: RNAV (GPS) RWY 31 L AMDT 1A		**Airport ID:** KDAL	**Airport:** DALLAS LOVE FIELD		**Reimbursable #:**
City: DALLAS	**ST:** TX	**GPS #:**		**Estimated Chart Date:** 05/31/2012	**FICO #:**
Fac ID:	**Fac. Type:** LPV	**Specialist:** JOHNNIE BAKER			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	01/27/2012	02/15/2012	JILL OLSON	
QA:	02/15/2012	02/16/2012	SCOTT BEARD	
Liaison:	02/16/2012		Terrell	REQUEST POSSIBLE TABLE TOP REVIEW

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

DALLAS, TX DALLAS LOVE FIELD (KDAL) RNAV (GPS) RWY 31L, AMDT 1A (LPV) ENROUTE-YES FC: 4.3.12 PUB: 5.31.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): CEMPI, REV 2; GIYET, REV 1; JAKID-INT, REV 1; MYLES-INT, REV 2; TADDI-INT, REV 2; (INFO ONLY) ORVLL-INT, REV 2; YEAGR-INT, REV 4.

CONTACT: JILL OLSON, AJV-353 LEAD, 405.954.9568:

DALLAS, TEXAS

AI-106 (FAA)

RNAV (GPS) RWY 31L

DALLAS-LOVE FIELD (DAL)

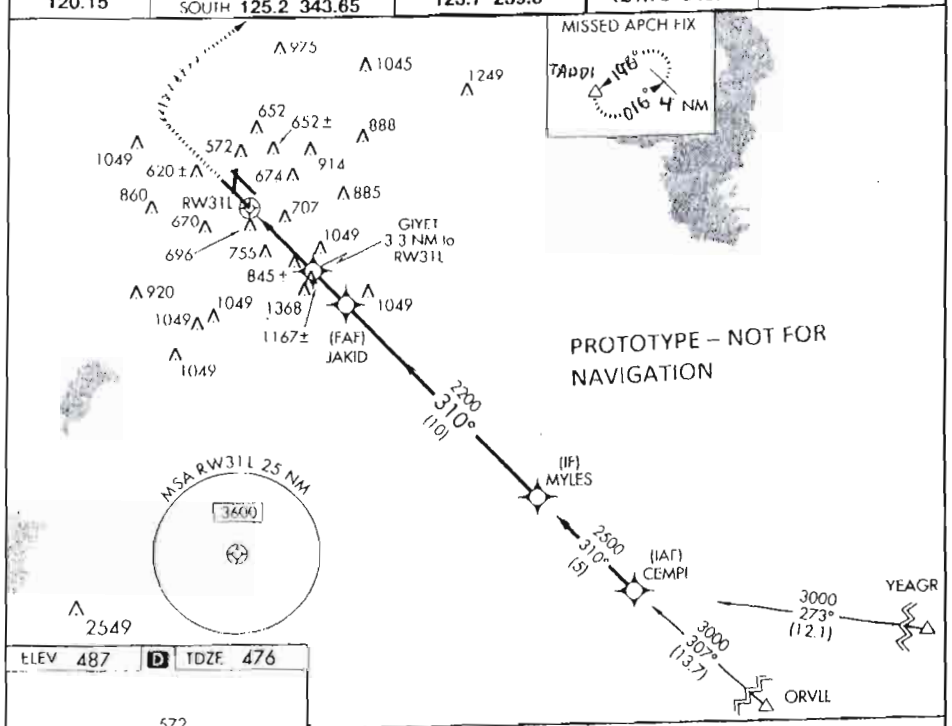
WAAS	APP CRS	Rwy Idg	8000
CH 72808	310°	TDZE	476
W31A		Apt Elev	487

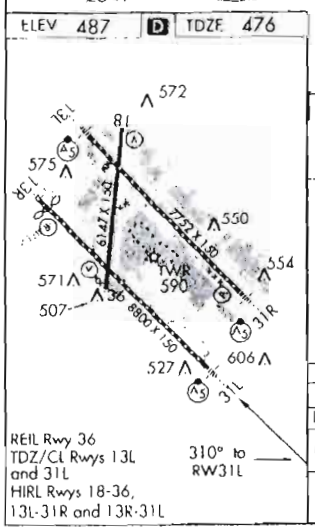
For inoperative MALSR, increase LPV all Cats visibility to RVR 5000. DME/DME RNP-0.3 NA. Simultaneous approach authorized with RNAV (GPS) Rwy 31R. When VGSI inop, circling Rwy 18/36 NA at night. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV guidance required during simultaneous operations.

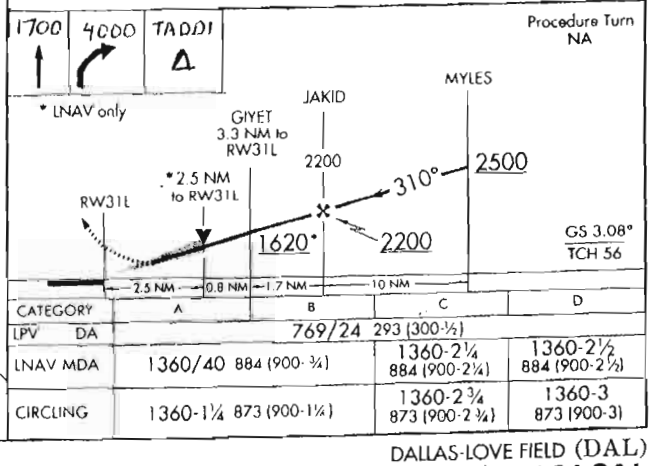
MALSR

MISSED APPROACH: Climb to 1700 then climbing right turn to 4000 direct TADDI and hold.

ATIS	REGIONAL APP CON	LOVE TOWER	GND CON	CLNC DEL
120.15	NORTH 124.3 282.275 SOUTH 125.2 343.65	123.7 239.3	121.75 348.6	127.9







CATEGORY	A	B	C	D
LPV DA	769/24 293 (300-½)			
LNAV MDA	1360/40 884 (900-¾)		1360-2¼ 884 (900-2¼)	1360-2½ 884 (900-2½)
CIRCLING	1360-1¼ 873 (900-1¼)		1360-2¾ 873 (900-2¾)	1360-3 873 (900-3)

DALLAS, TEXAS

Amdt 1A

32°51'N-96°51'W

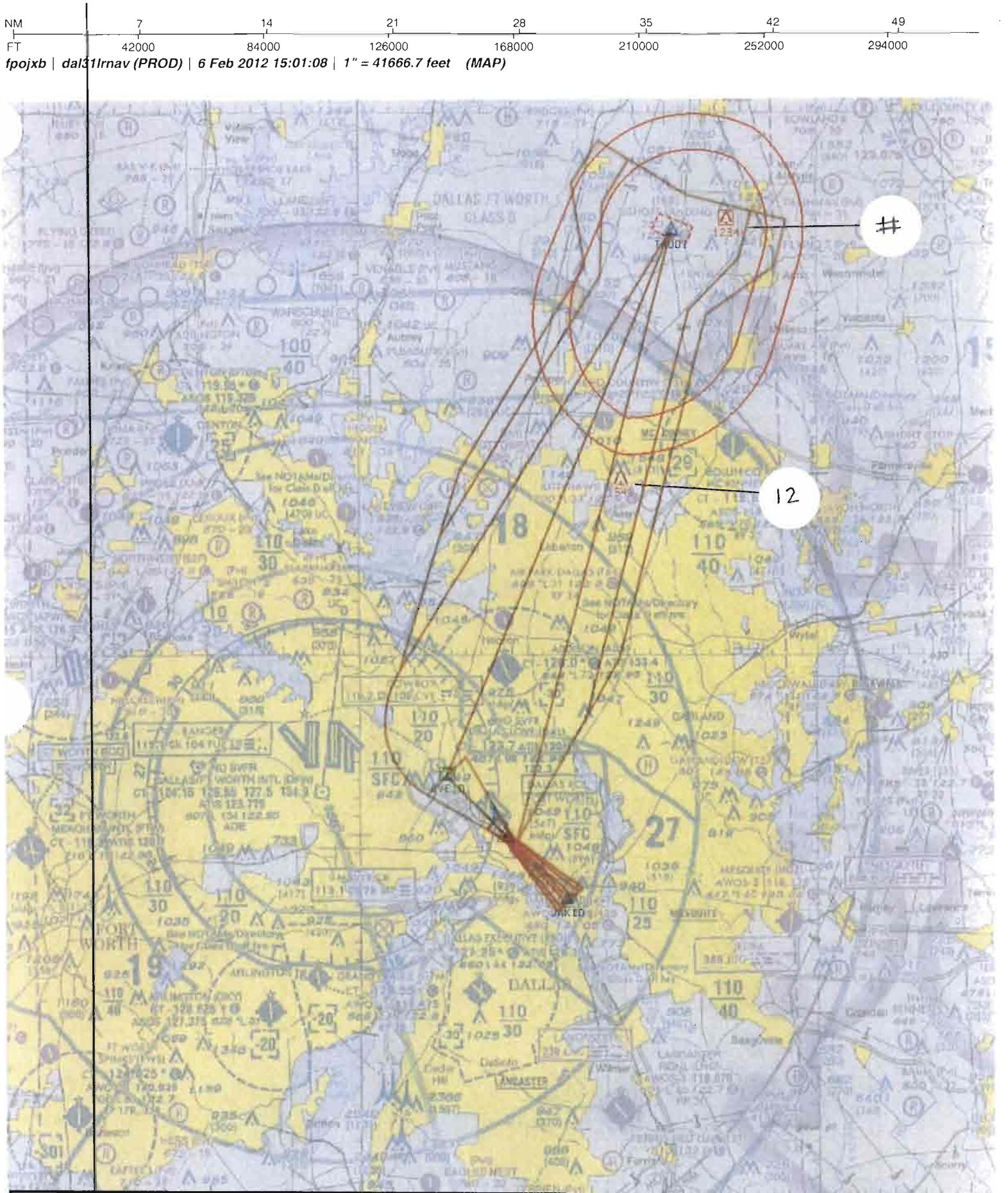
DALLAS-LOVE FIELD (DAL)

RNAV (GPS) RWY 31L

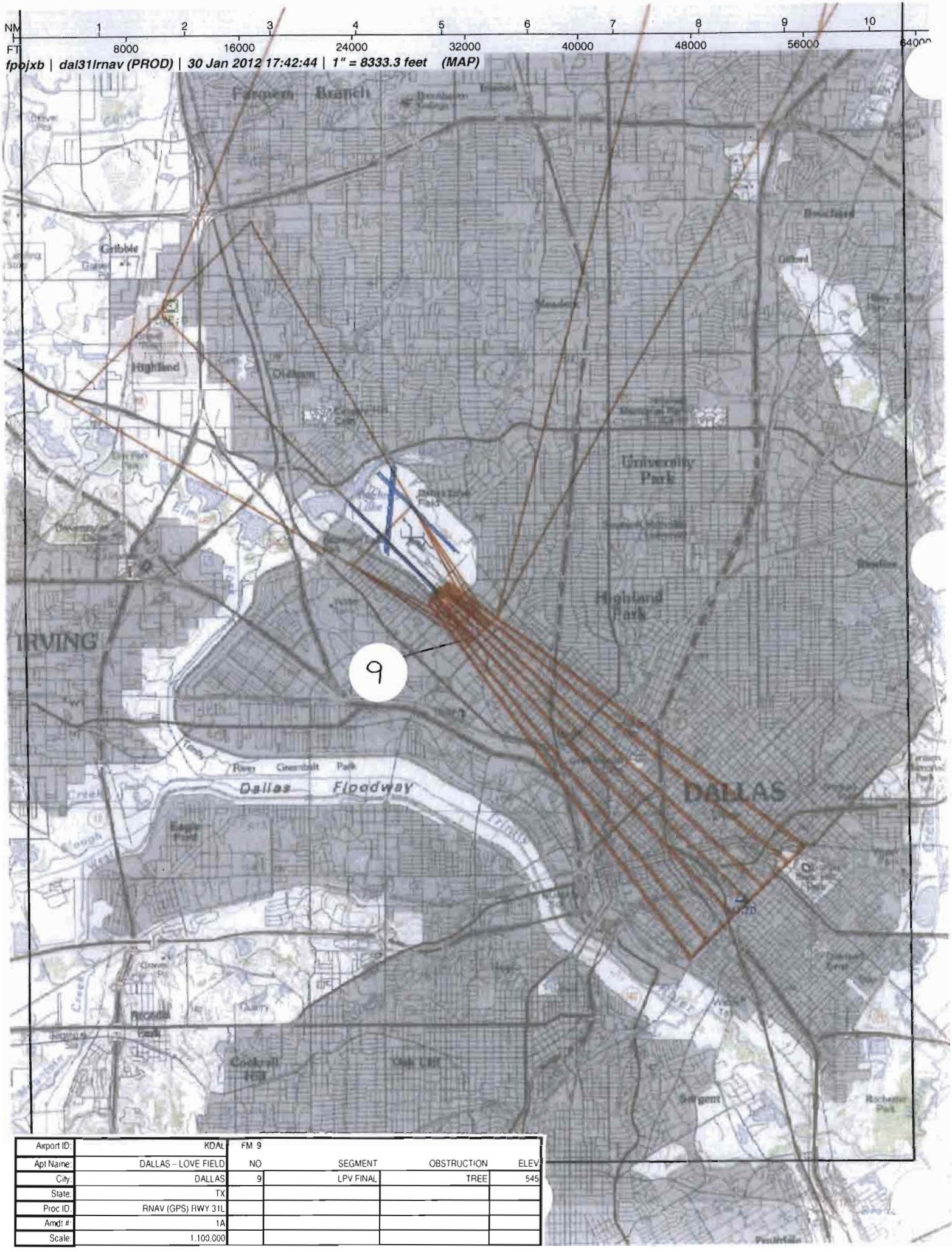
NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

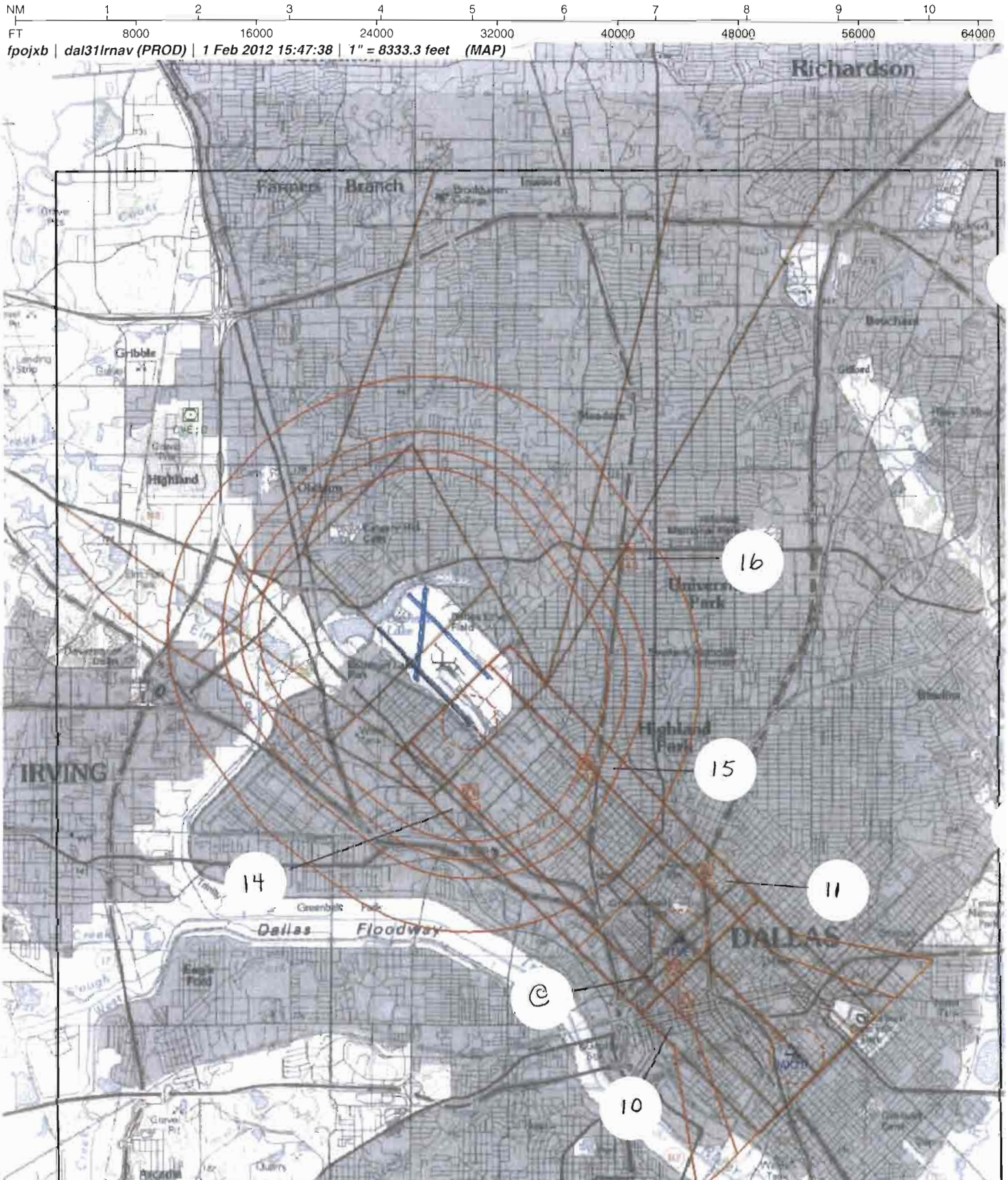
fpojxb | dal31lrnav (PROD) | 6 Feb 2012 15:01:08 | 1" = 41666.7 feet (MAP)



Airport ID.	KDAL	FM 9			
Apt Name	DALLAS – LOVE FIELD	NO	SEGMENT	OBSTRUCTION	ELEV
City.	DALLAS	12	MISSED APPROACH	TOWER	1548
State	TX	#	MISSED APPROACH HOLDING	TOWER	1234
Proc ID.	RNAV (GPS) RWY 31L				
Amdt #	1A				
Scale.	1:500,000				



Airport ID:	KDAL	FM 9			
Apt Name:	DALLAS – LOVE FIELD	NO	SEGMENT	OBSTRUCTION	ELEV
City:	DALLAS	9	LPV FINAL	TREE	545
State:	TX				
Proc ID:	RNAV (GPS) RWY 31L				
Amdt #:	1A				
Scale:	1:100,000				



Airport ID:	KDAL	FM 9			
Apt Name:	DALLAS - LOVE FIELD	NO	SEGMENT	OBSTRUCTION	ELEV
City:	DALLAS	10	LNAV FINAL	BUILDING	1251
State:	TX	11	STEPDOWN	BUILDING	1049
Proc ID:	RNAV (GPS) RWY 31L	@	TERPS 289	BUILDING	1167
Amdt #:	1A	14	CAT A CIRCLING	BUILDING	700
Scale:	1:100.000	15	CAT B/C CIRCLING	TANK	707
		16	CAT D CIRCLING	BUILDING	843

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ORVLL	CEMPI (FB)	307.08 / 13.66	3000
YEAGR	CEMPI (FB)	273.33 / 12.09	3000
CEMPI (IAF)	MYLES (FB)	309.78 / 5.00	2500
MYLES (IF)	JAKID (FB)	309.74 / 9.99	2200
JAKID (FAF)	GIYET/3.30 NM TO RW31L (FB)	309.66 / 1.73	
GIYET/3.30 NM TO RW31L	RW31L (MAP) (FO)	309.66 / 3.30	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV: RW31L

CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 4000 DIRECT TADDI AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT MYLES
3. FAC: 309.67 FAF: JAKID DIST FAF TO MAP: 5.03 THLD: 5.03
4. MIN. ALT: MYLES 2500, JAKID 2200, GIYET/3.30 NM TO RW31L 1620*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2200 GS ALT AT: JAKID 2200 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.08 TCH: 56.0 34:1 IS CLEAR
8. MSA FROM: RW31L 3600

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 016.41 INBOUND.
CHART FAS OBST: 1049 BLDG 324820N/0964733W
CHART 1167 BLDG 324715N/0964757W.
CHART LOC RWY 31R.
DISTANCE TO THLD FROM 293 HATH: 0.72 NM.
CHART VDP AT 2.53 MILES TO RW31L*
*LNAV ONLY.
WAAS CHANNEL # 72808
REFERENCE PATH ID: W31A
LTP HAE: 118.6 M

MAG VAR: 6E EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	769	2400	293	769	2400	293	769	2400	293	769	2400	293			
LNAV MDA	1360	4000	884	1360	4000	884	1360	2 1/4	884	1360	2 1/2	884			
CIRCLING	1360	1 1/4	873	1360	1 1/4	873	1360	2 3/4	873	1360	3	873			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 31R.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 18/36 NA AT NIGHT.
(SEE FORM 8260-10)

@ CAT A, B 900-2, CAT C 900-2 3/4, CAT D 900-3

QUALITY CHECKED

CITY AND STATE	ELEVATION: 487 THRE: 476	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DALLAS, TX	AIRPORT NAME: DALLAS LOVE FIELD	RNAV	RNAV (GPS) RWY 31L, AMDT 1A	AMDT: 1
				DATED 07/31/2008

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] DAL ATCT, REGIONAL APP CON, ZFW

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
JOHNNIE BAKER III	AJV-353	01/31/2012

APPROVED BY

NAME:		FIFO	DATE:
LARRY H STROUT	MANAGER	AJV-353	

CHANGES:

1. CHANGED MISSED APPROACH INSTRUCTIONS, CLEARANCE LIMIT AND HOLDING DATA TO READ CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 4000 DIRECT TADDI AND HOLD.
2. ADDED CIRCLING NA AT NIGHT RESTRICTION.

REASONS:

1. TO SUPPORT AIR TRAFFIC SIMULTANEOUS DEPENDENT APPROACHES.
2. 20:1 PENETRATIONS.

PDF EDITS:
ADDED FAF DESIGNATOR.
DELETED NA FROM LINE 1.
DELETED STEPDOWN FIX MINIMUM ALTITUDE IN TERMINAL ROUTE.
DELETED RNP 2.0 FROM HOLDING SEGMENT OF ARINC CODING.
DELETED STANDARD FROM ALTERNATE MINIMUMS SECTION.

QUALITY CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW31L (MAP)	1700 MSL	309.66	1700
1700 MSL	TADDI (FO)		4000

NOTES, (CONT.):
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 487 THRE: 476	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DALLAS, TX	AIRPORT NAME: DALLAS LOVE FIELD	RNAV	RNAV (GPS) RWY 31L, AMDT 1A	AMDT: 1
				DATED: 07/31/2008

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

QUALITY CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDAL
RUNWAY	RW31L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	325002.5060N
LTP/FTP LONGITUDE	0965036.2950W
LTP/FTP ELLIPSOIDAL HEIGHT	+01186
FPAP LATITUDE	325106.3200N
FPAP LONGITUDE	0965150.2600W
THRESHOLD CROSSING HEIGHT (TCH)	00056.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.08
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	90AB5CDC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01451
FPAP ORTHOMETRIC HEIGHT	+01451

QUALITY CHECKED

CITY AND STATE	ELEVATION: 487 THRE: 476	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DALLAS, TX	AIRPORT NAME: DALLAS LOVE FIELD	RNAV	RNAV (GPS) RWY 31L, AMDT 1A	AMDT: 1
				DATED: 07/31/2008

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CEMPI K40    W      N32354082W096340179                      E0038     NAR           CEMPI
        SUSAEAENRT   GIYET K40    W      N32474066W096475205                      E0039     NAR           GIYET
        SUSAEAENRT   JAKID K40    C      N32462618W096462588                      E0039     NAR           JAKID
        SUSAEAENRT   MYLES K40    C      N32391619W096380961                      E0038     NAR           MYLES
        SUSAEAENRT   ORVLL K40    C    L N32262057W096221331                      E0036     NAR           ORVLL
        SUSAEAENRT   TADDI K40    C    L N33233288W096392539                      E0038     NAR           TADDI
        SUSAEAENRT   YEAGR K40    C    L N32334376W096195428                      E0036     NAR           YEAGR

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDALK4ADAL     0     088YHN32504960W096510640E006000487        18000018000C    MNAR    DALLAS LOVE FIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDALK4FR31L  AORVLL 010ORVLLK4EA0E       IF                                          18000                A JS
        SUSAP KDALK4FR31L  AORVLL 020CEMPIK4EA0E  A 020TF                      30710137    + 03000                      A JS
        SUSAP KDALK4FR31L  AORVLL 030MYLESK4EA0EE B 010TF                      30980050    + 02500                      A JS
        SUSAP KDALK4FR31L  AYEAGR 010YEAGRK4EA0E       IF                                          18000                A JS
        SUSAP KDALK4FR31L  AYEAGR 020CEMPIK4EA0E  A 020TF                      27330121    + 03000                      A JS
        SUSAP KDALK4FR31L  AYEAGR 030MYLESK4EA0EE B 010TF                      30980050    + 02500                      A JS
        SUSAP KDALK4FR31L  R      010MYLESK4EA0E  I    IF                                  + 02500     18000            A JS
        SUSAP KDALK4FR31L  R      020JAKIDK4EA1E  F 051TF                      30970100    + 02200              RW31L K4PGA JS
        SUSAP KDALK4FR31L  R      020JAKIDK4EA2WALPV       N          ALNAV                                             JS
        SUSAP KDALK4FR31L  R      021GIYETK4EA0E S  031TF                      30970017    V 0162001621        -308      A JS
        SUSAP KDALK4FR31L  R      030RW31LK4PG0GY M 031TF                      30970033      00532             -308      A JS
        SUSAP KDALK4FR31L  R      040         0  M     CA                      3097        + 01700                      A JS
        SUSAP KDALK4FR31L  R      050TADDIK4EA0EY  R   DF                                  + 04000                      A JS
        SUSAP KDALK4FR31L  R      060TADDIK4EA0EE  R   HM                      01640040    + 04000                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDALK4GRW31L   0088003096 N32500251W096503630+0000     +01186004760000501501

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDALK4PR31L  RW31L001 0000W31A0N3250025060W09650362950+011860308N3251063200W0965150260010675007200056OF40050090AB5CDC
        SUSAP KDALK4PR31L  RW31L002E      +01451+01451LPV       72808
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 487 THRE: 476	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DALLAS, TX	AIRPORT NAME: **DALLAS LOVE FIELD**	**RNAV**	**RNAV (GPS) RWY 31L, AMDT 1A**	AMDT: **1**
				DATED: **07/31/2008**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

QUALITY CHECKED

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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDALK4SRW31LK4PG                0   18018003625                                                                        M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 487 THRE: 476	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DALLAS, TX	AIRPORT NAME: DALLAS LOVE FIELD	RNAV	RNAV (GPS) RWY 31L, AMDT 1A	AMDT: 1
				DATED: 07/31/2008

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ORVLL	ORVLL	010		IF		FB					
	ORVLL	CEMPI	020	IAF	TF		FB	2.0	307.1(313.1T)	013.7	AA 03000	
	ORVLL	MYLES	030		TF		FB	1.0	309.8(315.8T)	005.0	AA 02500	
	YEAGR	YEAGR	010		IF		FB					
	YEAGR	CEMPI	020	IAF	TF		FB	2.0	273.3(279.3T)	012.1	AA 03000	
	YEAGR	MYLES	030		TF		FB	1.0	309.8(315.8T)	005.0	AA 02500	
		MYLES	010	FACF	IF		FB				AA 02500	
		JAKID	020	FAF	TF		FB	0.5	309.7(315.7T)	010.0	AA 02200	
		GIYET	021	SDF	TF		FB	0.3	309.7(315.7T)	001.7	AA 01620 GS 01621	
		RW31L	030	MAP	TF		FO	0.3	309.7(315.7T)	003.3	AT 00532	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		309.7(315.7T)		AA 01700	
	TADDI	050		DF	R	FO				AA 04000	
	TADDI	060		HM	R	FO		016.4(022.4T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEMPI	N323540.82	W0963401.79	N3235.680	W09634.030
	GIYET	N324740.66	W0964752.05	N3247.678	W09647.868
	JAKID	N324626.18	W0964625.88	N3246.436	W09646.431
	MYLES	N323916.19	W0963809.61	N3239.270	W09638.160
	ORVLL	N322620.57	W0962213.31	N3226.343	W09622.222
	TADDI	N332332.88	W0963925.39	N3323.548	W09639.423
	YEAGR	N323343.76	W0961954.28	N3233.729	W09619.905
	RW31L	N325002.51	W0965036.30	N3250.042	W09650.605

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31L	00476	50

CITY AND STATE	ELEVATION: **487** THRE: **476** AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DALLAS, TX	**DALLAS LOVE FIELD**	**RNAV**	**RNAV (GPS) RWY 31L, AMDT 1A**	AMDT: **1**
				DATED: **07/31/2008**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

QUALITY CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	ORVLL	CEMPI	1. TOWER (48-005698)	323053.00N/0963447.00W	725 (5D)	1000	AT1275	3000
			2. TERRAIN	322921.00N/0962106.00W	466 (500)		AS1500	2000
FEEDER	YEAGR	CEMPI	3. TOWER (48-008549)	323513.00N/0961736.00W	854 (5D)	1000	AT1146	3000
			4. TERRAIN	323700.00N/0962336.00W	473 (500)		AS1500	2000
INITIAL	CEMPI	MYLES	5. TOWER (48-009250)	323818.00N/0963127.00W	682 (2C)	1000	AT818	2500
			6. TERRAIN	323948.00N/0963400.00W	466 (500)		AS1500	2000
INTERMEDIATE	MYLES	JAKID	7. TOWER (48-000369)	324642.00N/0964529.00W	1049 (4D)	500	AT651	2200
			8. TERRAIN	323745.00N/0964233.00W	519 (500)		AS1500	2000
FINAL: LPV	JAKID	RW31L	9. TREE (KDAL0061)	324939.07N/0965007.25W	545 (1A)	34:1		769/293
FINAL: LNAV	JAKID	GIYET/3.30 NM TO RW31L	10. BLDG (48-005010)	324654.00N/0964747.00W	1251 (3C)	250	DG119	1620
FINAL: LNAV STEPDOWN	GIYET/3.30 NM TO RW31L	RW31L	11. BLDG (48-007848)	324820.00N/0964733.00W	1049 (1D)	250	AC50	1360
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / RW31L	TADDI				ASC		4000
			12. TOWER (48-005493)	330923.00N/0964249.00W	1548 (5D)	1000		2600
ELEV:	545/1260		13. TERRAIN	332506.00N/0964242.00W	821 (800)		AS1500	2300

4. CIRCLING AREA	DISTANCE	REQUIRED	ACTUAL	
CATEGORY A	1.3 NM	350	873	
CATEGORY B	1.5 NM	450	873	
CATEGORY C	1.7 NM	450	873	
CATEGORY D	2.3 NM	550	873	
CATEGORY E	4.5 NM	550		

HT. ABV. ARPT.

14. BLDG (KDAL0129)	324911.62N/0965035.00W	700 (1A)	300	SI	1360		
15. TANK (48-003054)	324931.50N/0964905.50W	707 (2C)	300	SI	1360		
15. TANK (48-003054)	324931.50N/0964905.50W	707 (2C)	300	SI	1360		
16. BLDG (48-003055)	325150.00N/0964834.00W	843 (2A)	300	SI	1360		

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **RW31L**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (48-008489)	196/ 16.2	2549 (2C)	3600					

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
DALLAS, TX	ELEVATION: 487 AIRPORT NAME: DALLAS LOVE FIELD	RNAV	RNAV (GPS) RWY 31L, AMDT 1A	ASW

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
DAL TOWER **REGIONAL APP CON** SATISFACTORY ON:	[ ] NWS OTHER: **ASOS** [ ] FAA [ ] A/C	SOURCE: **KDAL** DISTANCE: HOURS REMOTE OPERATION:
[X] VHF [X] UHF [ ] HF	LOCATION: **KDAL**	ADJUSTMENT: **0**

4. MONITOR STATUS	
	PRIMARY NAVAID:
	MONITOR POINT:
HRS OPTN:	CAT 1
	CAT 3

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
X	**MALSR 13L, 31L, 31R**
X	**HIRL 13L, 18, 36, 31L, 31R, 13R**
	MIRL
X	**REIL 36**
X	**TDZ 13L, 31L**
X	**C/L 13L, 31L, 31R, 13R**
X	**OTHER (SPECIFY)** **PAPI-4R 13R PAPI-4L 31R VASI-4L 18, 36**

6. RUNWAY MARKINGS	
	BASIC
	ALL WEATHER **PIR-G 13L, 31L, 31R, 13R**
	INSTRUMENT **NPI-G 18, 36**

7. RUNWAY VISUAL RANGE	
	APPROACH **13L, 31L, 31R, 13R**
	MIDFIELD
	ROLL OUT

8. GLIDE PATH		
GP ANGLE: **3.08**		ELEV RWY THRESHOLD: **476.2**
DISTANCE FROM RWY:		ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: **56.0**

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: **NONE**

PART D - PREPARED BY:	DATE:
JOHNNIE BAKER III	**01/31/2012**
TITLE: **AERONAUTICAL INFORMATION SPECIALIST**	OFFICE: **AJV-353**

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TERPS PARAGRAPH 289 APPLIED TO 1167 BLDG (48-005564) 324715N/0964757W.
KDAL ASOS ON SERVICE A.

NO ADDITIONAL AIRSPACE REQUIRED.

MINIMUM 3.08 ANGLE REQUIRED FOR OBSTACLE CLEARANCE AND TO MATCH ILS. APPROVAL LETTER ON FILE.

LPV SURFACE: 34:1

TAA NOT DEVELOPED PER CEN FPO.

LNAV/VNAV NOT DEVELOPED DUE TO NUMEROUS OBSTACLE PENETRATIONS.

56 FT TCH VALUE PROVIDED BY CEN FPO, PER ILS INSTALLATION TEAM.

ALTERNATE ALSTG NOT REQUIRED, REDUNDANT WEATHER SOURCES.

TERPS, VOLUME 1, ?VISUAL PORTION OF FINAL?
PENETRATIONS:
RWY 18:
505 TREE (KDAL0070) 325137.79N/0965111.96W (1.63)
559 TREE (KDAL0073) 325148.42N/0965106.78W (0.04)
RWY 36:
530 TREE (KDAL0077) 325020.59N/0965120.94W (6.93)
513 TREE (KDAL0075) 325023.14N/0965121.01W (2.72)
FPO NOTIFIED OF UNLIT 20:1 PENETRATIONS.

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CEMPI **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 323540.82N/0963401.79W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 31L			KDAL	DALLAS	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
DELETED FAC 1.
FIX USE UPDATE.

DEVELOPED BY: **DATE:** 02/01/2012 **OFFICE:** AJV-353 **NAME:** JOHNNIE BAKER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: REGIONAL APP CON
OTHER: DAL ATCT

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GIYET **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 324740.66N/0964752.05W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 31L			KDAL	DALLAS	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
DELETED FAC 1.
FIX USE UPDATE.

DEVELOPED BY: **DATE:** 02/01/2012 **OFFICE:** AJV-353 **NAME:** JOHNNIE BAKER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: REGIONAL APP CON
OTHER: DAL ATCT

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JAKID **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 324626.18N/0964625.88W **TYPE:** WP, RADAR, 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	DALLAS	I-LVF	LOC/DME		129.63	135.63	4.91	4.91		2200	4900

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

REMARKS:
DME LOCATION: 324955.44N/0965032.13W
RNP PFAF CRITERIA APPLIED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 31L	1		KDAL	DALLAS	TX (US)
IAP	RNAV (GPS) RWY 31L			KDAL	DALLAS	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
DELETED FAC 2.
ADDED DIST FROM FAC DATA.
FIX USE UPDATE.

DEVELOPED BY: **DATE:** 02/01/2012 **OFFICE:** AJV-353 **NAME:** JOHNNIE BAKER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: REGIONAL APP CON
OTHER: DAL ATCT

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MYLES **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 323916.19N/0963809.61W **TYPE:** WP, RADAR, 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	DALLAS	I-LVF	LOC		129.63	135.63	14.90	14.90		2500	4900

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

REMARKS:
I-LVF LOC LAT/LONG: 325114.07/965159.24
I-LVF DME LAT/LONG: 324955.44/965032.13 (DME SERVES RWY 13R & 31L)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 31L	1		KDAL	DALLAS	TX (US)
IAP	RNAV (GPS) RWY 31L			KDAL	DALLAS	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
DELETED FAC 2.
ADDED DIST FROM FAC DATA.
FIX USE UPDATE.

DEVELOPED BY: **DATE:** 02/01/2012 **OFFICE:** AJV-353 **NAME:** JOHNNIE BAKER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: REGIONAL APP CON
OTHER: DAL ATCT

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TADDI **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 332332.88N/0963925.39W **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	RANGER	FUZ	VORTAC	H	035.00	041.00	40.00	40.00		5000	17500
2	SULPHUR SPRINGS	SLR	VOR/DME	L	274.01	282.01		57.24		4000	17500
3	COWBOY	CVE	VOR/DME	H	016.41	022.41	32.54	32.54		4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SLR	VOR/DME	R-274	58	4000	17500

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S	CVE	VOR/DME	016.41	016.41	R	1		4000	14000	6	12
2	S		WP	196.41	016.41	R		4	4000	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-008567)	332343.00N/0963552.00W	1234	5D
2	200	TOWER (48-008567)	332343.00N/0963552.00W	1234	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
RANGER (FAC 1) AND SULPHUR SPRINGS (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 31L	2, 3	1	KDAL	DALLAS	TX (US)
IAP	RNAV (GPS) RWY 31L		2	KDAL	DALLAS	TX (US)
IAP	RNAV (GPS) RWY 18			KDTO	DENTON	TX (US)
STAR	SASIE STAR	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	SASIE STAR	1, 2		KFTW	FORT WORTH	TX (US)

REQUIRED CHARTING: STAR, IAP, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
ADDED FAC 3.
CHANGED FAC 2 MRA FROM 5000 TO 4000.
CHANGED ESV DISTANCE/MIN ALTITUDE FROM 59/5000 TO 58/4000.
ADDED HOLDING PATTERN DATA.
FIX USE UPDATE.

DEVELOPED BY: **DATE:** 01/28/2012 **OFFICE:** AJV-353 **NAME:** JOHNNIE BAKER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: REGIONAL APP CON
OTHER:

"INFO ONLY"

RADIO FIX AND HOLDING DATA RECORD

NAME: ORVLL **STATE:** TX **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 322620.57N/0962213.31W **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	CEDAR CREEK	CQY	VORTAC	L	327.00	333.00	17.03	17.03		5000	17500
2	QUITMAN	UIM	VOR/DME	L	234.80	242.80		57.30		5000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
UIM	VOR/DME	R-235	58	5000	17500

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

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	310	TOWER (48-000611)	324216.00N/0962946.00W	944	5D

HOLDING RESTRICTIONS:
UNPLANNED GPS HOLDING AUTHORIZED AT OR ABOVE 3000 - FOR AIR TRAFFIC PURPOSES ONLY.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 31L			KDAL	DALLAS	TX (US)
IAP	RNAV (GPS) RWY 31R			KDAL	DALLAS	TX (US)
STAR	DUMPY			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: STAR, IAP, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 12/17/2009

REASON FOR REVISION:
DELETED FAC 3 FROM FIX MAKE-UP FACILITIES.
ADDED DIST FROM FAC NM TO FAC 1 AND FAC 2.
UPDATED ESV DATA TO NEW FORMAT.
UPDATED FIX USE.
UPDATED CONTROLLING OBSTACLE FOR UNPLANNED HOLDING.
CONDUCTED/DOCUMENTED PRECIPITOUS TERRAIN EVALUATION.

DEVELOPED BY: **DATE:** 08/04/2009 **OFFICE:** AVN-120 **NAME:** STEVEN SZUKALA (PATRICK HARRINGTON)

APPROVED BY: **DATE:** 09/21/2009 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: DFW ATCT
OTHER:

QUALITY CHECKED

"INFO ONLY"

RADIO FIX AND HOLDING DATA RECORD

NAME: YEAGR **STATE:** TX **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 323343.76N/0961954.28W **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	COWBOY	CVE	VOR/DME	H	118.00	124.00	35.00	35.00		5000	17500
2	QUITMAN	UIM	VOR/DME	L	240.95	248.95		52.43		5000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
UIM	VOR/DME	R-241	53	5000	17500

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	CVE	VOR/DME	118.00	298.00	R	1		5000	14000	7	12
2	SE		WP	118.00	298.00	R		5	5000	9000	6	10
3	S		WP	180.00	360.00	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-008549)	323513.00N/0961736.00W	854	5D
2	200	TOWER (48-008549)	323513.00N/0961736.00W	854	5D
3	200	TOWER (48-008549)	323513.00N/0961736.00W	854	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FIX LIES ON REGIONAL APPROACH CONTROL BOUNDARY LINE BETWEEN FLIPP INT (322801.86/961953.65) & 332102.00/961959.00

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 31L			KDAL	DALLAS	TX (US)
IAP	RNAV (GPS) RWY 31R			KDAL	DALLAS	TX (US)
IAP	RNAV (GPS) RWY 17		3	KHQZ	MESQUITE	TX (US)
IAP	RNAV (GPS) RWY 35		3	KHQZ	MESQUITE	TX (US)
IAP	RNAV (GPS) RWY 17		2	KF46	ROCKWALL	TX (US)
IAP	RNAV (GPS) RWY 35			KF46	ROCKWALL	TX (US)
STAR	DUMPY			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: STAR, IAP, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 12/17/2009

REASON FOR REVISION:
UPDATED FIX USE.
ADDED DIST FROM FAC NM TO FAC 1 AND FAC 2.
DELETED FAC 3 WAYPOINT FIX.
UPDATED ESV DATA TO NEW FORMAT.
MOVED "HOLDING LIMITED TO ESTABLISHED PATTERNS" FROM "REMARKS" TO "HOLDING RESTRICTIONS".
CONDUCTED/DOCUMENTED PRECIPITOUS TERRAIN EVALUATION.

DEVELOPED BY: **DATE:** 08/04/2009 **OFFICE:** AVN-120 **NAME:** STEVEN SZUKALA (PATRICK HARRINGTON)

APPROVED BY: **DATE:** 09/21/2009 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: RGNL APP CON
OTHER: