Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: SID	Date Open: 12/05/2011	Task #: 201112052411250100 1	Request #: 20111205241125
Procedure: SID BLECO (RNAV) FIVE DALLAS-FORT WORTH TX KDFW		**Airport ID:** KDFW	**Airport:** DALLAS/FORT WORTH INTL		**Reimbursable #:**
City: DALLAS-FORT WORTH	**ST:** TX	**GPS #:**		**Estimated Chart Date:** 03/07/2013	**FICO #:** 1092203
Fac ID:	**Fac. Type:** Proc D	**Specialist:** DAN CAIRNS			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	04/18/2012	07/13/2012	JILL OLSON	
QA:	07/13/2012	08/07/2012	STEVEN SZUKALA	
Liaison:	08/07/2012		Spurlin	DME/DME - REPLACEMENT 11/9/12

DME / DME

21

ESV REQUEST INCLUDED

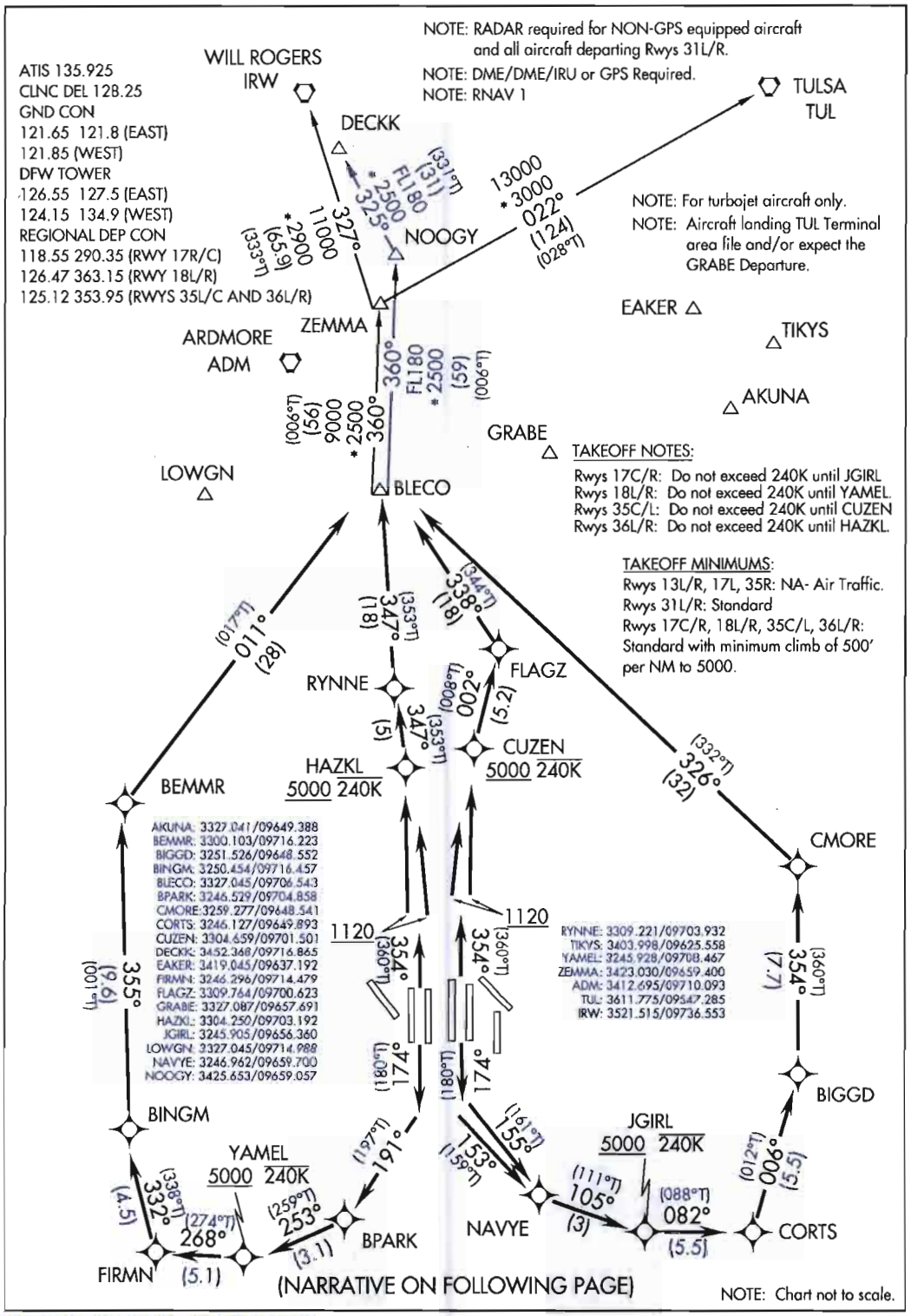
Procedure Comments: ENROUTE **Remark Type:** INFORMATION

Pg 1 of 4

DALLAS/FT WORTH, TX DALLAS/FT WORTH INTL (KDFW) BLECO FIVE (RNAV) (SID) ENROUTE-YES FC: 1.8.13 PUB: 3.7.13

ATTACHED FORMS: ESV REPORTS; 8260-15B: 8260-15C; 8260-2(S): DECKK-INT, REV 6; GRABE-INT, REV 6; NOOGY-INT, ORIG; TULSA (TUL) VTAC, REV 13; (INFO ONLY) AKUNA-INT, REV 4; ARDMORE (ADM) VTAC, REV 18; BEMMR, REV 2; BIGGD, REV 1; BINGM, REV 2; BLECO-INT, REV 4; BPARK, REV 1; CMORE, REV 1; CORTS, REV 2; CUZEN, REV 2; EAKER-INT, REV 4; FIRMN, REV 2; FLAGZ, REV 2; HAZKL, REV 1; JGIRL, REV 1; LOWGN-INT, REV 3; NAVYE, REV 1; RYNNE, REV 2; TIKYS-INT, REV 6; WILL ROGERS (IRW) VTAC, REV 1; YAMEL, REV 1; ZEMMA-INT, REV 5.
CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.

PROTOTYPE-NOT FOR NAVIGATION



SC-2
07/31/2012
COMPILER: GM
REVIEWER:
DBL CHKR:
EFF DATE: FIG

DEPARTURE ROUTE DESCRIPTION

PROPS

FILE AND EXPECT JACKY OR TRI-GATE DEPARTURE.

JETS

TAKEOFF RUNWAY 17C: Climb heading 174° to intercept course 155° to NAVYE, then on track 105° to JGIRL, cross JGIRL at or above 5000, then on depicted route to BLECO. Thence . . . .

TAKEOFF RUNWAY 17R: Climb heading 174° to intercept course 153° to NAVYE, then on track 105° to JGIRL, cross JGIRL at or above 5000, then on depicted route to BLECO. Thence . . . .

TAKEOFF RUNWAY 18L: Climb heading 174° to intercept course 191° to BPARK, then on track 253° to YAMEL, cross YAMEL at or above 5000, then on depicted route to BLECO. Thence . . . .

TAKEOFF RUNWAY 18R: Climb heading 174° to intercept course 190° to BPARK, then on track 253° to YAMEL, cross YAMEL at or above 5000, then on depicted route to BLECO. Thence . . . .

TAKEOFF RUNWAY 31L/R: Climb on assigned heading for radar vectors to BLECO, maintain 5000. Thence . . . .

TAKEOFF RUNWAY 35C: Climb heading 354° to 1120, then direct CUZEN, cross CUZEN at or above 5000, then on depicted route to BLECO. Thence . . . .

TAKEOFF RUNWAY 35L: Climb heading 354° to 1120, then direct CUZEN, cross at or above 5000, then on depicted route to BLECO. Thence . . . .

TAKEOFF RUNWAY 36L: Climb heading 354° to 1120, then direct HAZKL, cross HAZKL at or above 5000, then on depicted route to BLECO. Thence . . . .

TAKEOFF RUNWAY 36R: Climb heading 354° to 1120, then direct HAZKL, cross HAZKL at or above 5000, then on depicted route to BLECO. Thence . . . .

. . . . (transition). Maintain 10000', expect filed altitude ten minutes after departure.

DECKK TRANSITION (BLECO5.DECKK): (For all aircraft inbound to Oklahoma City area.)

TULSA TRANSITION (BLECO5.TUL): (For all aircraft overflying the TUL VORTAC.)

WILL ROGERS TRANSITION (BLECO5.IRW): (For all aircraft overflying IRW VORTAC.)

ZEMMA TRANSITION (BLECO5.ZEMMA): (ATC assigned.)

TAKEOFF OBSTACLES:

RWY 31L: Trees beginning 928' from DER, 724' left of centerline, up to 55' AGL/654' MSL.
Tree 1229' from DER, 729' right of centerline, 128' AGL/637' MSL.
Transmission pole 3402' from DER, 1398' right of centerline, 89' AGL/708' MSL.
RWY 31R: Building 733' from DER, 632' left of centerline, 34' AGL/604' MSL.
RWY 35R: Multipe buildings beginning 5466' from DER, 240' right of centerline, up to 173' AGL/714' MSL.

PROTOTYPE-NOT FOR NAVIGATION

SC-2
07/31/2012
COMPILER: GM
REVIEWER
DBL CHKR:
EFF DATE: FIG

IRW

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : NOOGY	City : OKLAHOMA CITY	Ident : IRW	State : OK
Type/Class : H-VOR	Frequency : M114.1	Reference No.: 12052743	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 850103-026	144	0	64	30	175

Requirement: ESTABLISH NOOGY FIX AS PART OF THE DECKK TRANSTION FOR THE TEXOMA TWO, JACKY FIVE, AND BLECO FIVE (RNAV) SIDS.

Signature: cairns daniel	Routing Symbol: AJV-353	Date: 05/17/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850103-026	144	0	64	44	175	APPROVE

Requirement/Remarks: ESTABLISH NOOGY FIX AS PART OF THE DECKK TRANSTION FOR THE TEXOMA TWO, JRESTRICTED. INADEQUATE COVERAGE AT MIN ALT = FL440

Signature: Meza Michael	Routing Symbol:	Date: 05/17/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850103-026	144	0	64	44	175	RESTRICT

Requirement/Remarks: ESTABLISH NOOGY FIX AS PART OF THE DECKK TRANSTION FOR THE TEXOMA TWO, JRESTRICTED. INADEQUATE COVERAGE. MIN ALT = 4400 FEET.

Signature: Hughes Dennis	Routing Symbol:	Date: 05/21/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850103-026	144	0	64	44	175	RESTRICT

Requirement/Remarks: ESTABLISH NOOGY FIX AS PART OF THE DECKK TRANSTION FOR THE TEXOMA TWO, JRESTRICTED. INADEQUATE COVERAGE. MIN ALT = 4400 FEET.

Signature: Hughes Dennis	Routing Symbol:	Date: 05/21/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850103-026	144	0				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : NOOGY	City : OKLAHOMA CITY	Ident : IRW	State : OK
Type/Class : TACR	Frequency : M1175	Reference No.: 12052744	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 850104-028	144	0	64	30	175

Requirement: ESTABLISH NOOGY FIX AS PART OF THE DECKK TRANSTION FOR THE TEXOMA TWO, JACKY FIVE, AND BLECO FIVE (RNAV) SIDS.

Signature: cairns daniel	Routing Symbol: AJV-353	Date: 05/17/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850104-028	144	0	64	44	175	APPROVE

Requirement/Remarks: ESTABLISH NOOGY FIX AS PART OF THE DECKK TRANSTION FOR THE TEXOMA TWO, JRESTRICTED. INADEQUATE COVERAGE AT MIN ALT = FL044

Signature: Meza Michael	Routing Symbol:	Date: 05/17/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850104-028	144	0	64	44	175	RESTRICT

Requirement/Remarks: ESTABLISH NOOGY FIX AS PART OF THE DECKK TRANSTION FOR THE TEXOMA TWO, JRESTRICTED. INADEQUATE COVERAGE (VOR). MIN ALT FL=4400 FEET.

Signature: Hughes Dennis	Routing Symbol:	Date: 05/21/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850104-028	144	0	64	44	175	RESTRICT

Requirement/Remarks: ESTABLISH NOOGY FIX AS PART OF THE DECKK TRANSTION FOR THE TEXOMA TWO, JRESTRICTED. INADEQUATE COVERAGE (VOR). MIN ALT FL=4400 FEET.

Signature: Hughes Dennis	Routing Symbol:	Date: 05/21/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850104-028	144	0				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

FUZ

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish

Facility Data

Chart Name : NOOGY	City : FORT WORTH	Ident : FUZ	State : TX
Type/Class : H-VOR	Frequency : M115.7	Reference No.: 12052740	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 941961-032	360	0	93	30	175

Requirement: ESTABLISH NOOGY FIX FOR PART OF DECKK TRANSITION ON TEXOMA TWO SID

Signature: cairns daniel	Routing Symbol: AJV-353	Date: 05/17/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 941961-032	360	0	93	30	175	APPROVE

Requirement/Remarks: ESTABLISH NOOGY FIX FOR PART OF DECKK TRANSITION ON TEXOMA TWO SIDAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: gazi abdullahil	Routing Symbol:	Date: 05/17/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 941961-032	360	0	93	80	175	RESTRICT

Requirement/Remarks: ESTABLISH NOOGY FIX FOR PART OF DECKK TRANSITION ON TEXOMA TWO SIDRESTRICTED. INADEQUATE COVERAGE. MIN. ALT FL= 8000 FEET.

Signature: Hughes Dennis	Routing Symbol:	Date: 05/21/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 941961-032	360	0	93	80	175	RESTRICT

Requirement/Remarks: ESTABLISH NOOGY FIX FOR PART OF DECKK TRANSITION ON TEXOMA TWO SIDRESTRICTED. INADEQUATE COVERAGE. MIN. ALT FL= 8000 FEET.

Signature: Hughes Dennis	Routing Symbol:	Date: 05/21/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 941961-032	360	0				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : NOOGY	City : FORT WORTH	Ident : FUZ	State : TX
Type/Class : TACR	Frequency : M1191	Reference No.: 12052741	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 942038-034	360	0	93	30	175

Requirement: ESTABLISH NOOGY FIX AS PART OF DECKK TRANSITION FOR TEXOMA TWO SID		
Signature: cairns daniel	Routing Symbol: AJV-353	Date: 05/17/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 942038-034	360	0	93	30	175	APPROVE

Requirement/Remarks: ESTABLISH NOOGY FIX AS PART OF DECKK TRANSITION FOR TEXOMA TWO SIDAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: gazi abduliahil	Routing Symbol:	Date: 05/17/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 942038-034	360	0	93	80	175	RESTRICT

Requirement/Remarks: ESTABLISH NOOGY FIX AS PART OF DECKK TRANSITION FOR TEXOMA TWO SIDRESTRICTED. INADEQUATE COVERAGE (VOR). MIN. ALT FL= 8000 FEET.		
Signature: Hughes Dennis	Routing Symbol:	Date: 05/21/2012

Expanded Service Volume Data: (Super FMO)

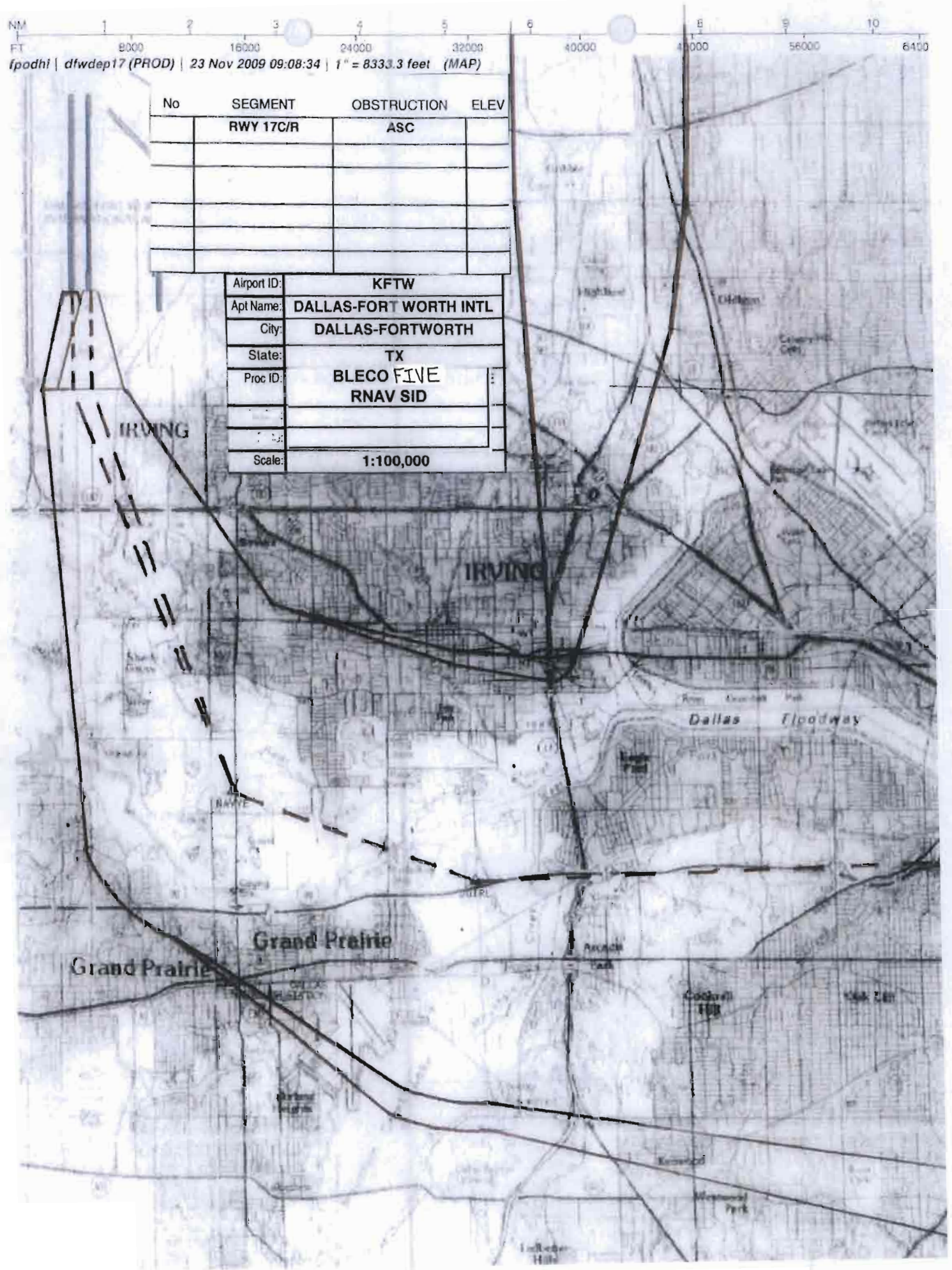
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 942038-034	360	0	93	80	175	RESTRICT

Requirement/Remarks: ESTABLISH NOOGY FIX AS PART OF DECKK TRANSITION FOR TEXOMA TWO SIDRESTRICTED. INADEQUATE COVERAGE (VOR). MIN. ALT FL= 8000 FEET.		
Signature: Hughes Dennis	Routing Symbol:	Date: 05/21/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 942038-034	360	0				

Requirement/Remarks:		
Signature:	Routing Symbol:	Date:


NM 1 2 3 4 5 6 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpodhi | dfwdep17 (PROD) | 23 Nov 2009 09:08:34 | 1" = 8333.3 feet (MAP)
No SEGMENT OBSTRUCTION ELEV
RWY 17C/R ASC
Airport ID: KFTW
Apt Name: DALLAS-FORT WORTH INTL
City: DALLAS-FORTWORTH
State: TX
Proc ID: BLECO FIVE RNAV SID
Scale: 1:100,000
IRVING
IRVING
Dallas Floodway
Grand Prairie
Grand Prairie

NM 7 14 21 28 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpodhl | dfwdep17 (PROD) | 30 Nov 2009 13:08:57 | 1" = 41666.7 feet (MAP)

Airport ID:	KFTW	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	DALLAS-FORT WORTH INTL				
City:	DALLAS-FORTWORTH		RWY 17C/R	ASC	
State:	TX				
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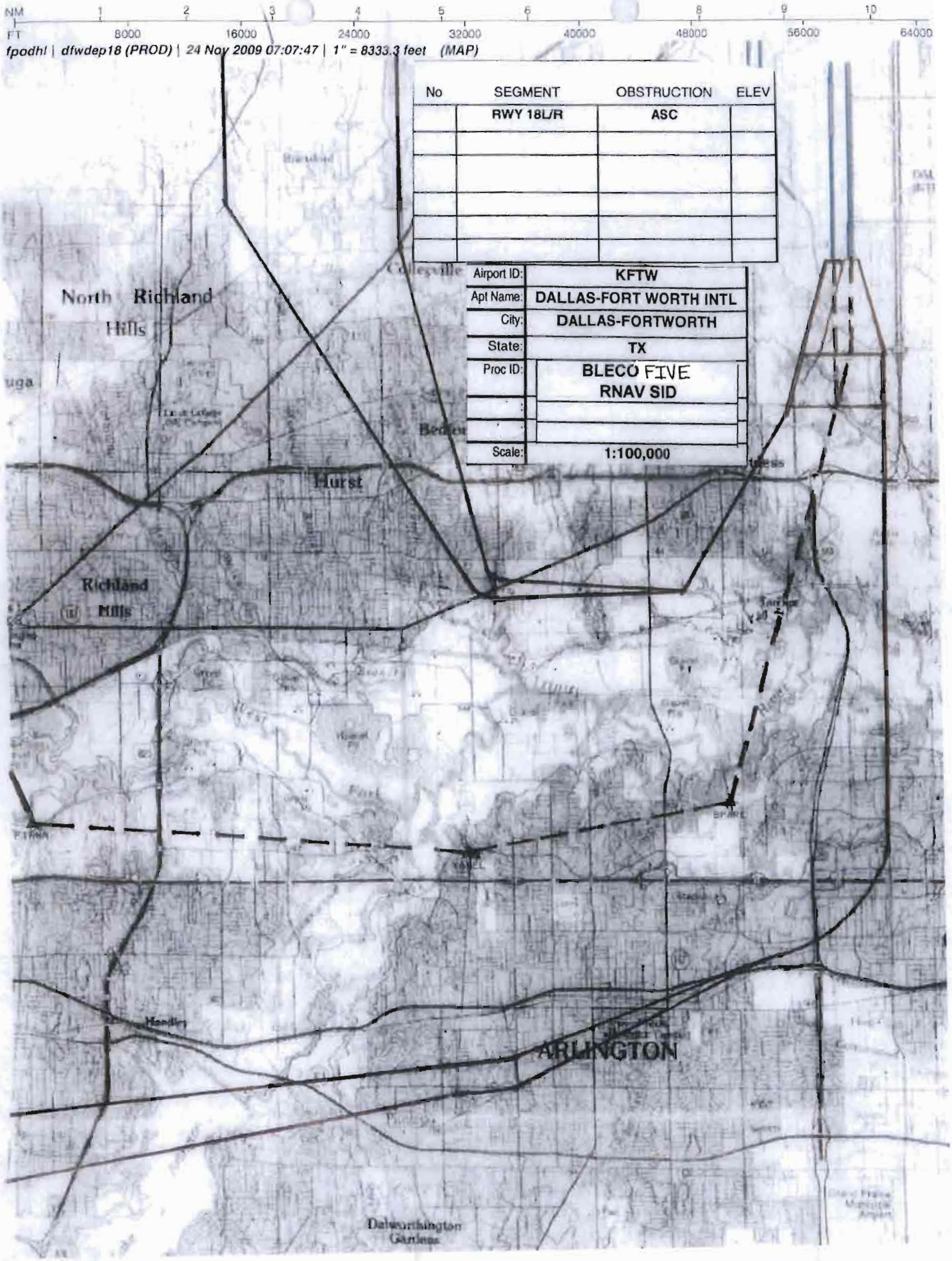

No	SEGMENT	OBSTRUCTION	ELEV
	RWY 18L/R	ASC	

Airport ID:	KFTW
Apt Name:	DALLAS-FORT WORTH INTL
City:	DALLAS-FORTWORTH
State:	TX
Proc ID:	BLECO FIVE RNAV SID
Scale:	1:100,000

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpodhl | dfwdep18 (PROD) | 30 Nov 2009 09:27:29 | 1" = 41666.7 feet (MAP)

Airport ID:	KFTW	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	DALLAS-FORT WORTH INTL				
City:	DALLAS-FORTWORTH		RWY 18L/R	ASC	
State:	TX				
Proc ID:	BLECO FIVE RNAV SID				
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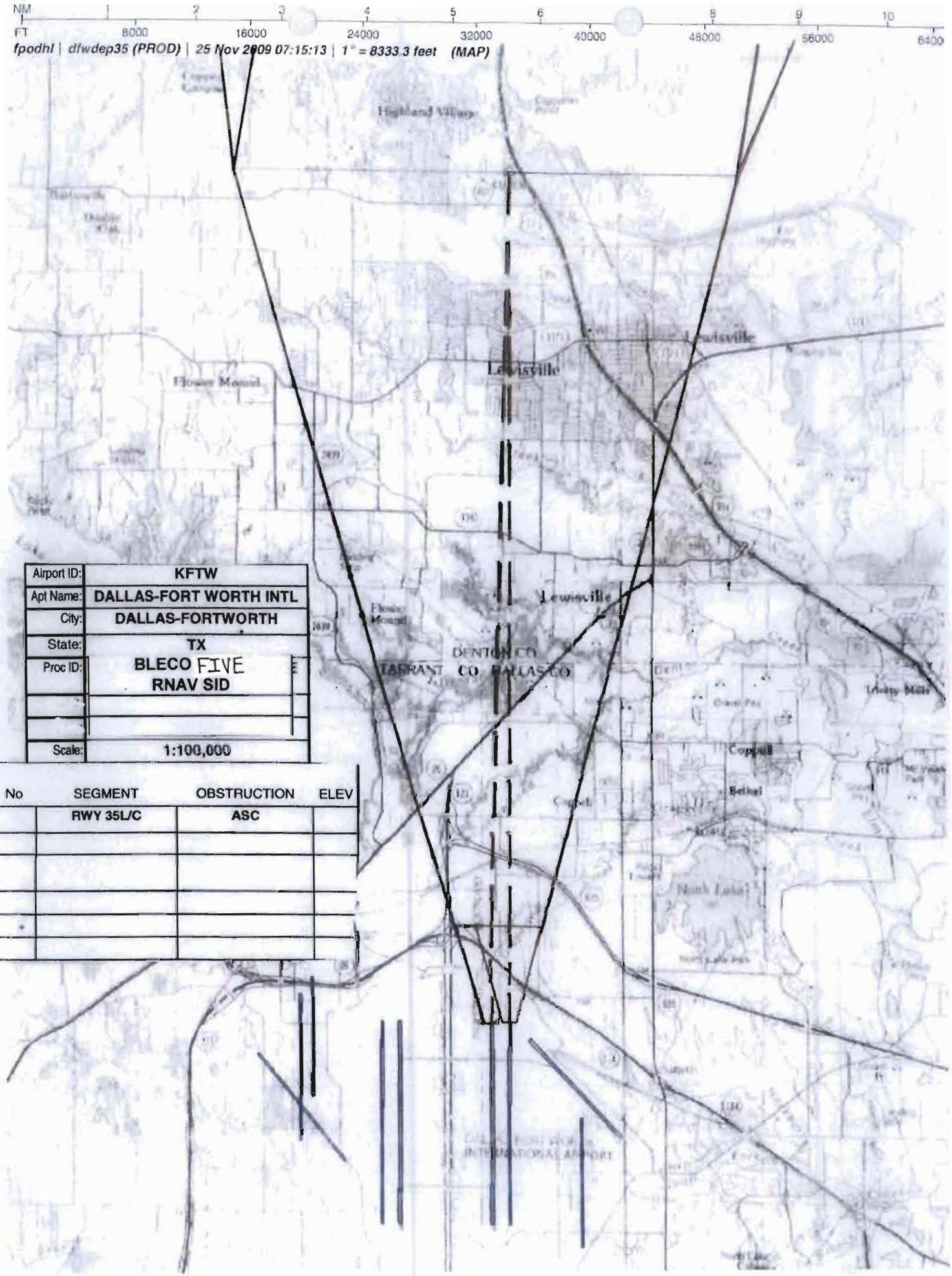
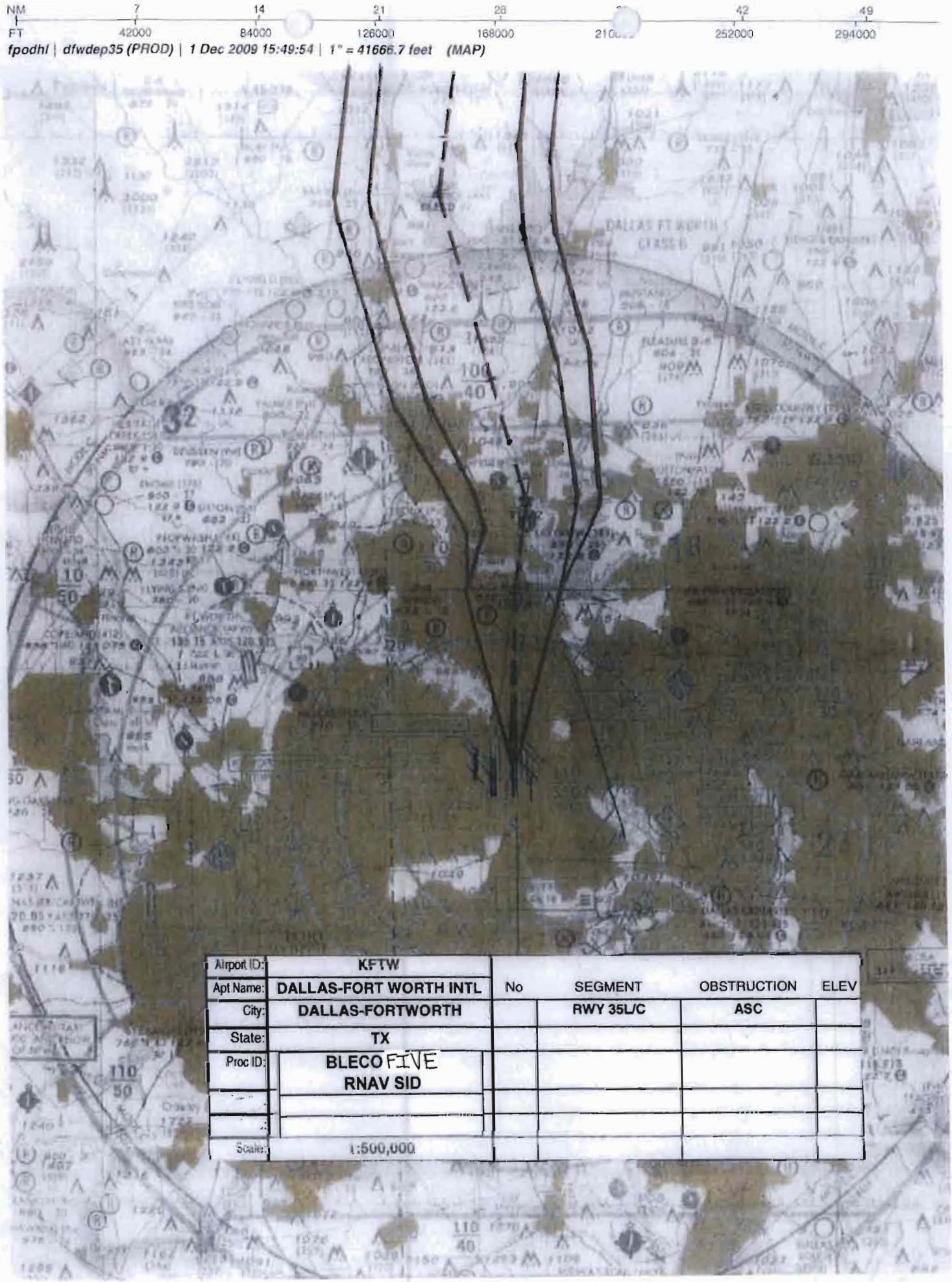


Airport ID:	KFTW
Apt Name:	DALLAS-FORT WORTH INTL
City:	DALLAS-FORTWORTH
State:	TX
Proc ID:	BLECO FIVE RNAV SID
Scale:	1:100,000

No	SEGMENT	OBSTRUCTION	ELEV
	RWY 35L/C	ASC	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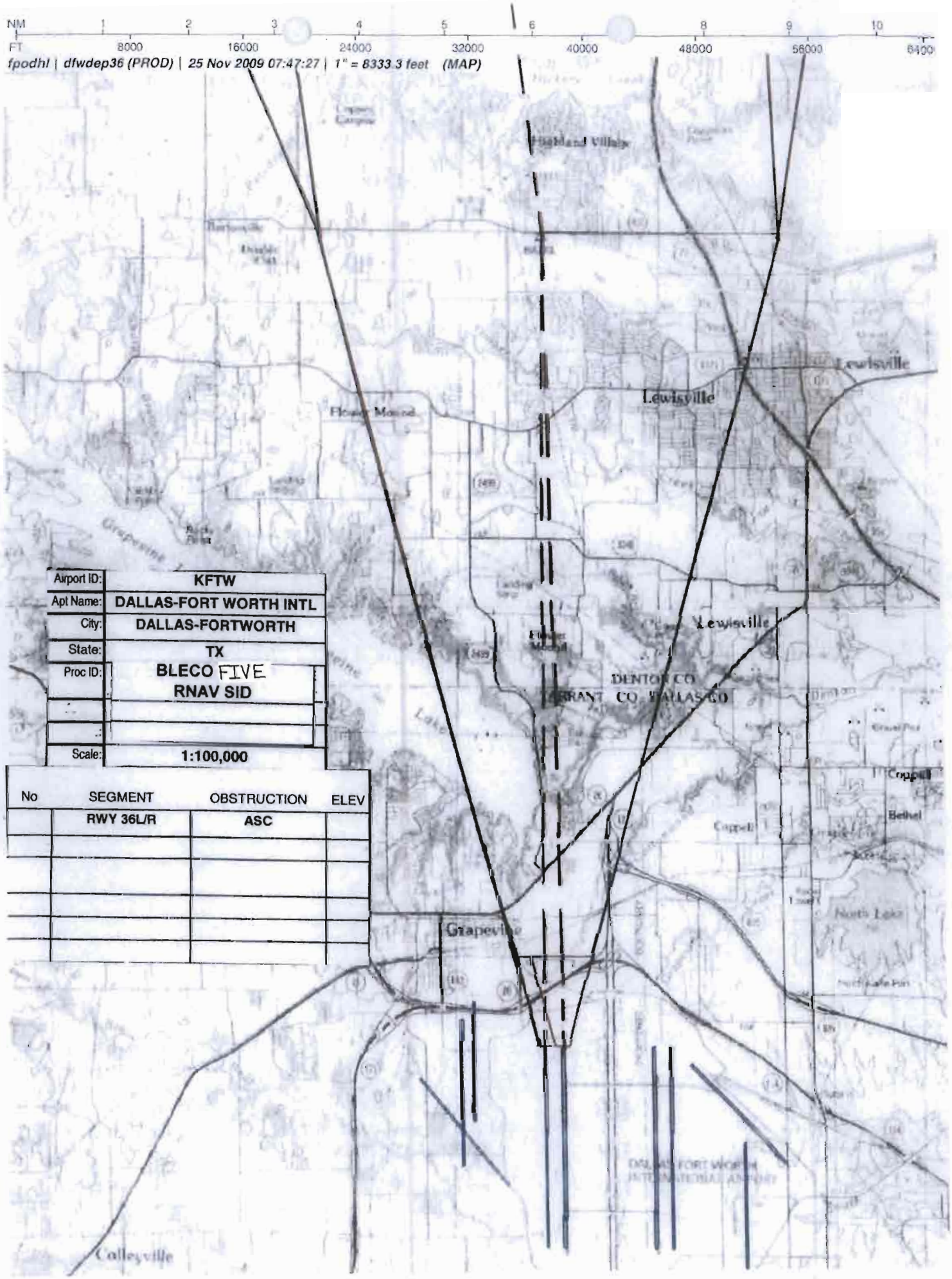
FT 42000 84000 126000 168000 252000 294000
fpodhl | dfwdep35 (PROD) | 1 Dec 2009 15:49:54 | 1" = 41666.7 feet (MAP)
DALLAS FT WORTH
Airport ID: KFTW
Apt Name: DALLAS-FORT WORTH INTL
City: DALLAS-FORTWORTH
State: TX
Proc ID: BLECO FIVE RNAV SID
Scale: 1:500,000
No
SEGMENT
OBSTRUCTION
ELEV
RWY 35L/C
ASC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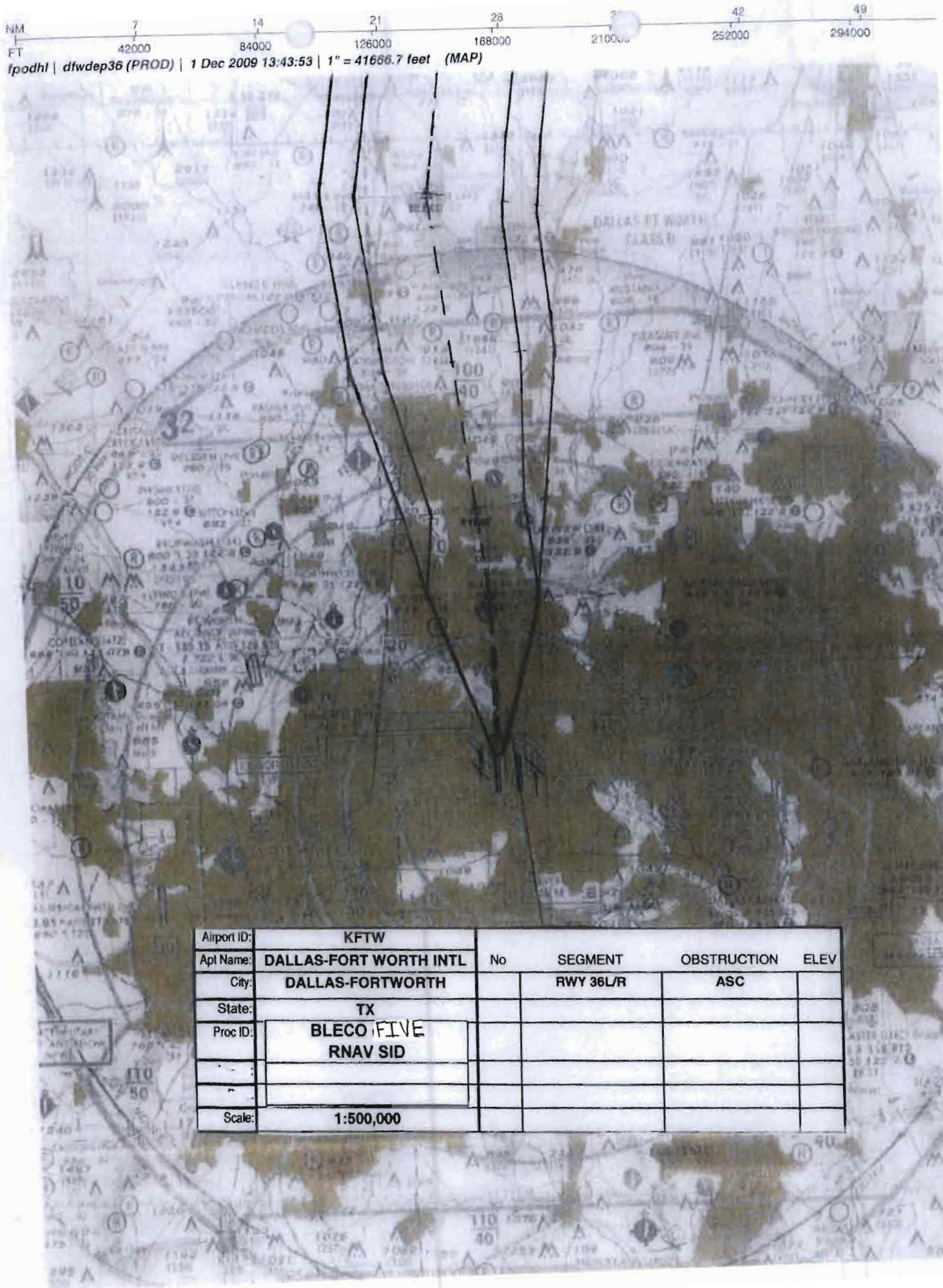
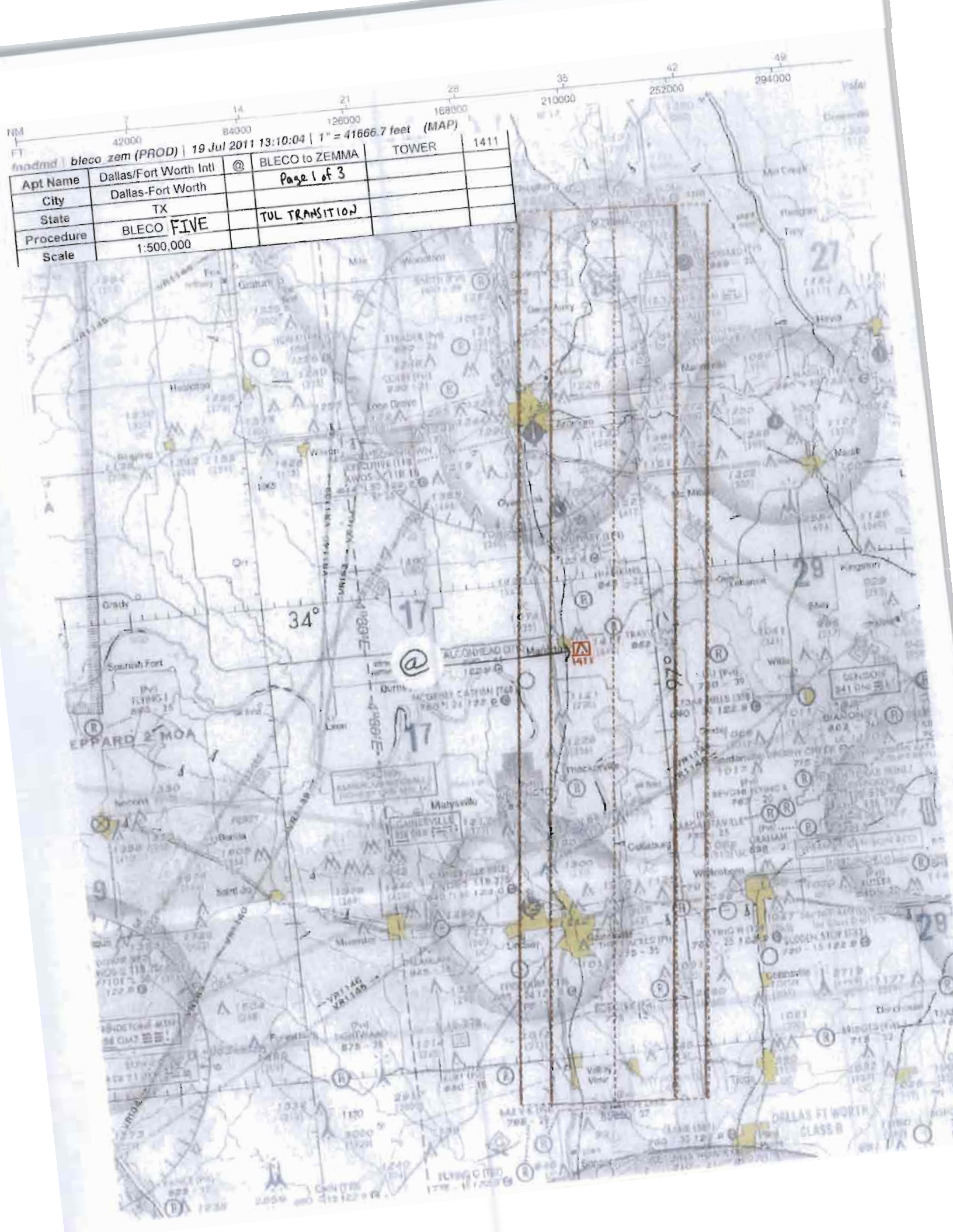
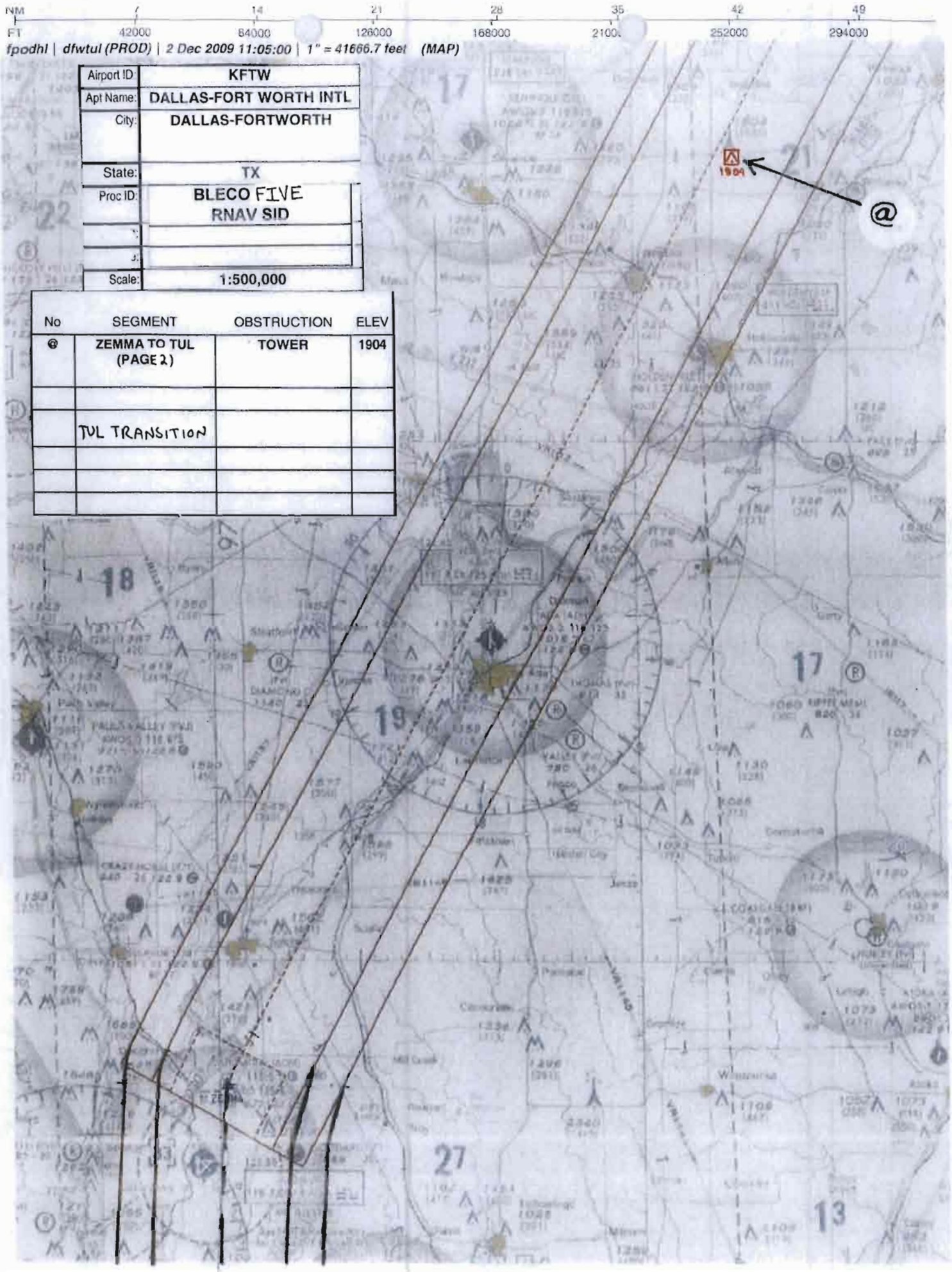
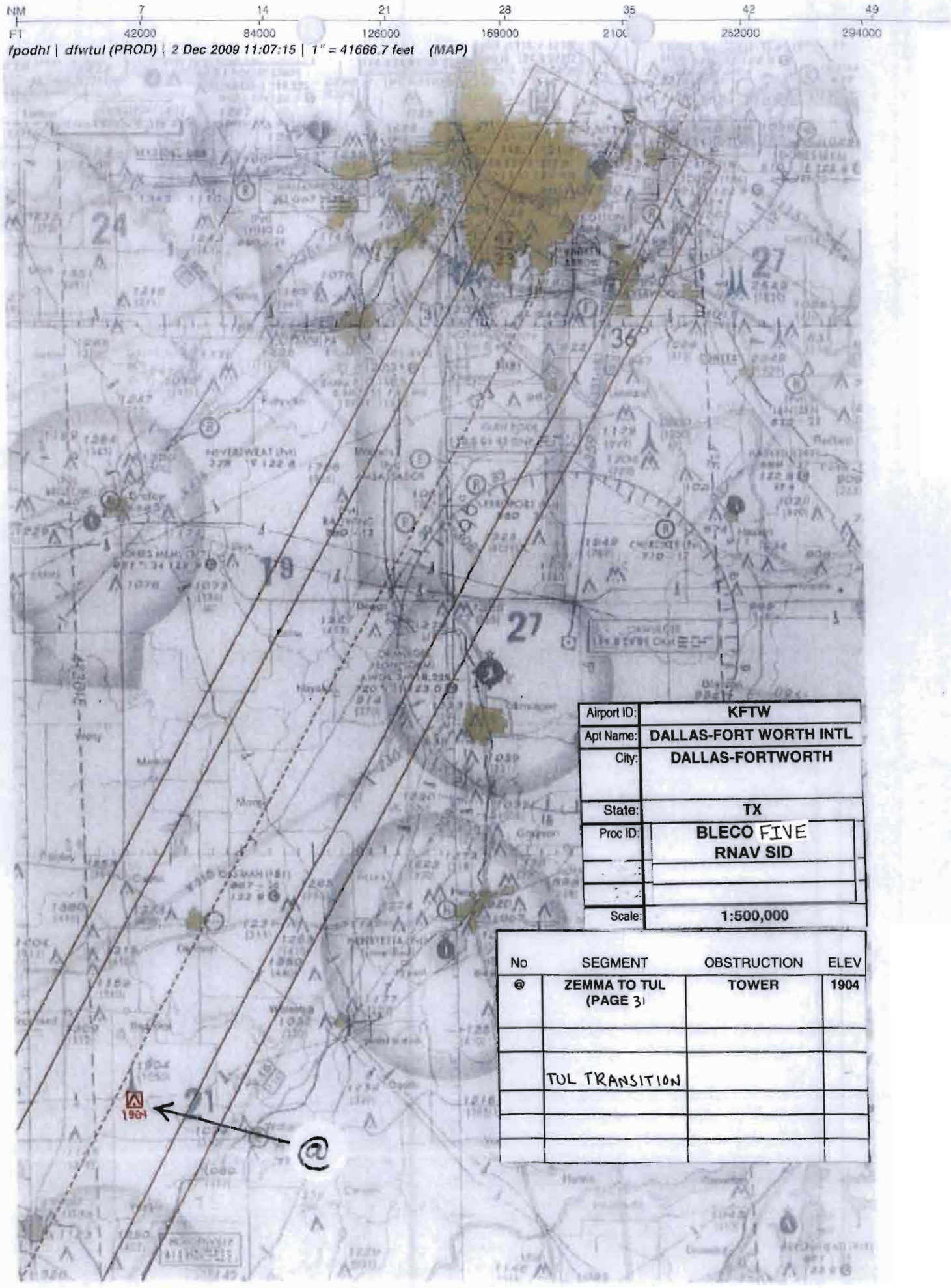
Lewisville
Lewisville
Lewisville
DENTON CO.
TARRANT CO. DALLAS CO.
Grapevine
Coppell
Bethel
North Lake
Colleyville
DALLAS FORT WORTH INTERNATIONAL AIRPORT
Airport ID: KFTW
Apt Name: DALLAS-FORT WORTH INTL
City: DALLAS-FORTWORTH
State: TX
Proc ID: BLECO FIVE RNAV SID
Scale: 1:100,000
No SEGMENT OBSTRUCTION ELEV
RWY 36L/R ASC


NM
7
14
21
28
42
49
FT
42000
84000
126000
168000
252000
294000
fpodhl | dfwdep36 (PROD) | 1 Dec 2009 13:43:53 | 1" = 41666.7 feet (MAP)
DALLAS FT WORTH
CLASS B
Airport ID: KFTW
Apt Name: DALLAS-FORT WORTH INTL
City: DALLAS-FORTWORTH
State: TX
Proc ID: BLECO FIVE RNAV SID
Scale: 1:500,000
No
SEGMENT
OBSTRUCTION
ELEV
RWY 36L/R
ASC


NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fnadmd | bleco_zem (PROD) | 19 Jul 2011 13:10:04 | 1" = 41666.7 feet (MAP)
Apt Name | Dallas/Fort Worth Intl | @ | BLECO to ZEMMA | TOWER | 1411
City | Dallas-Fort Worth | | Page 1 of 3
State | TX | | TUL TRANSITION
Procedure | BLECO FIVE
Scale | 1:500,000
34°
EPPARD 2 MOA
DALLAS FT WORTH CLASS B

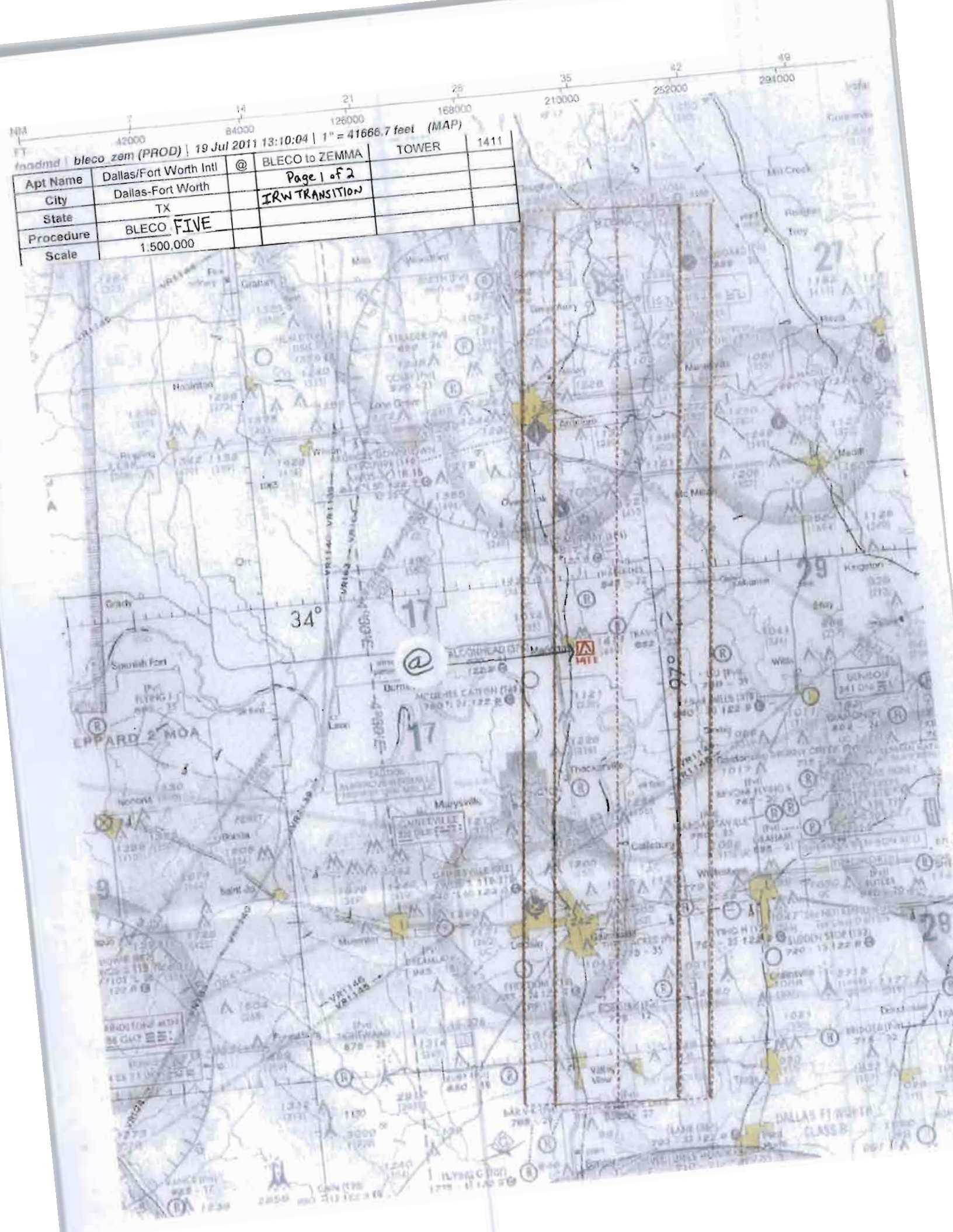


No	SEGMENT	OBSTRUCTION	ELEV
@	ZEMMA TO TUL (PAGE 2)	TOWER	1904
	TUL TRANSITION		

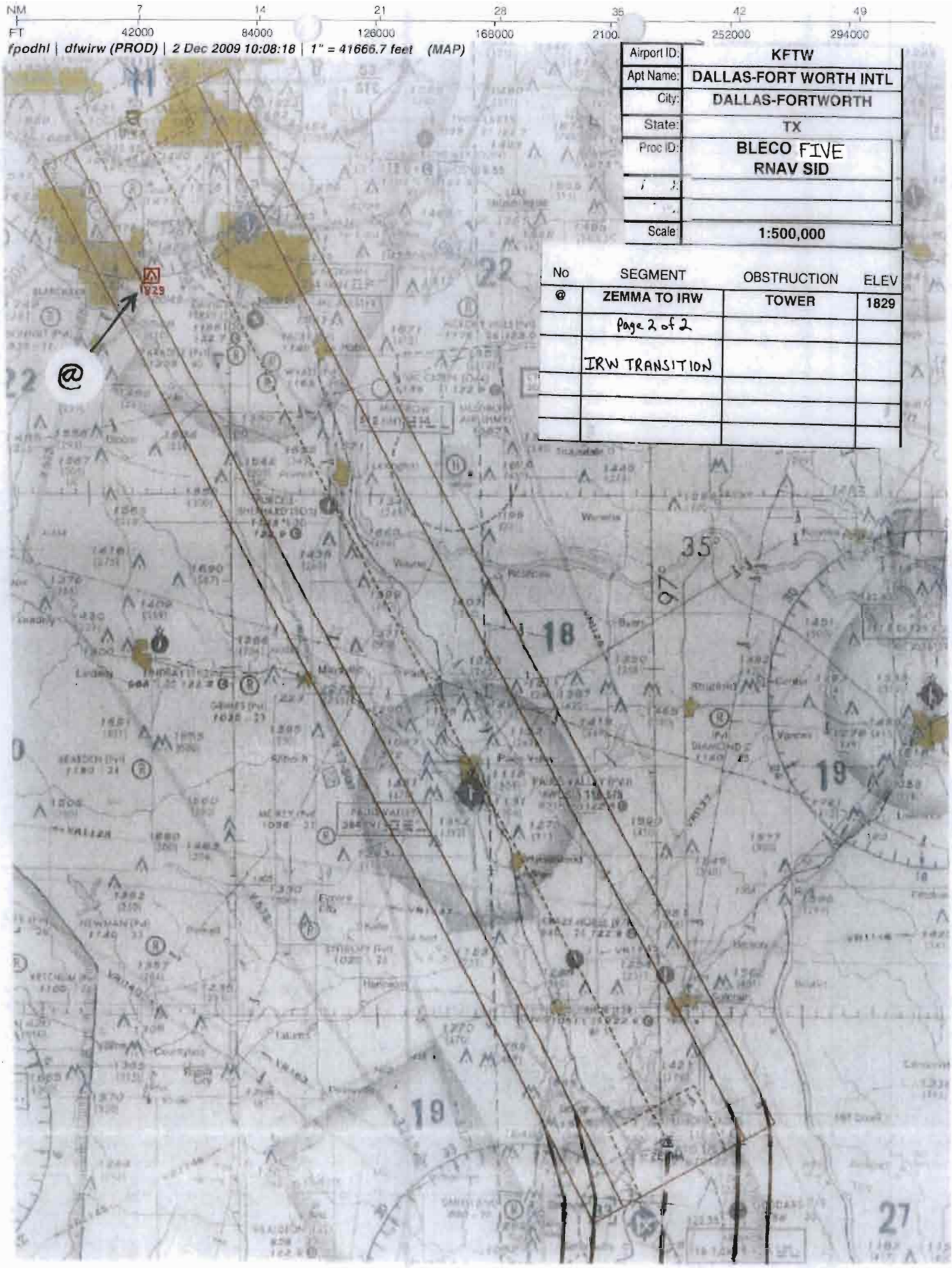


Airport ID:	KFTW
Apt Name:	DALLAS-FORT WORTH INTL
City:	DALLAS-FORTWORTH
State:	TX
Proc ID:	BLECO FIVE RNAV SID
Scale:	1:500,000

No	SEGMENT	OBSTRUCTION	ELEV
@	ZEMMA TO TUL (PAGE 3)	TOWER	1904
	TUL TRANSITION		

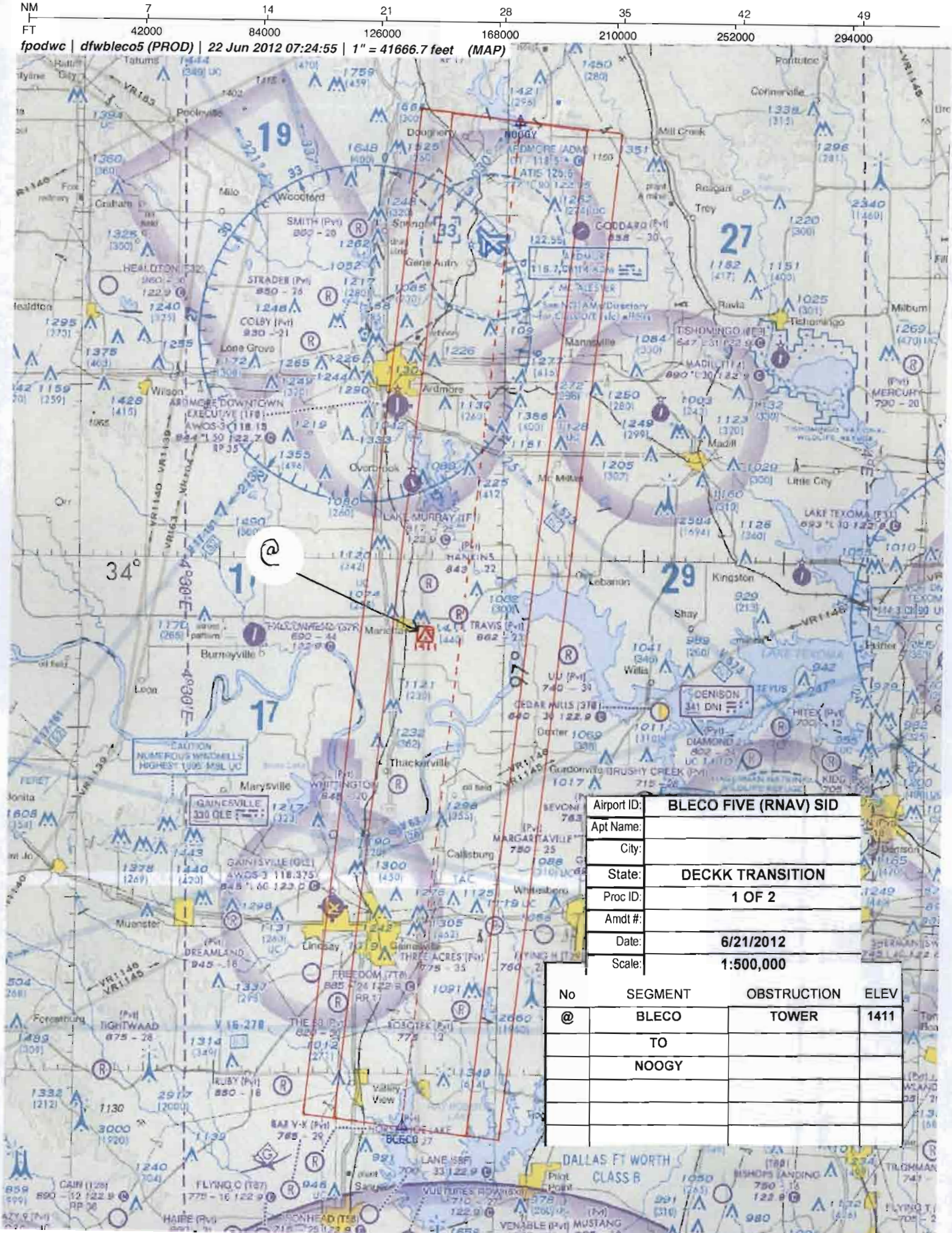


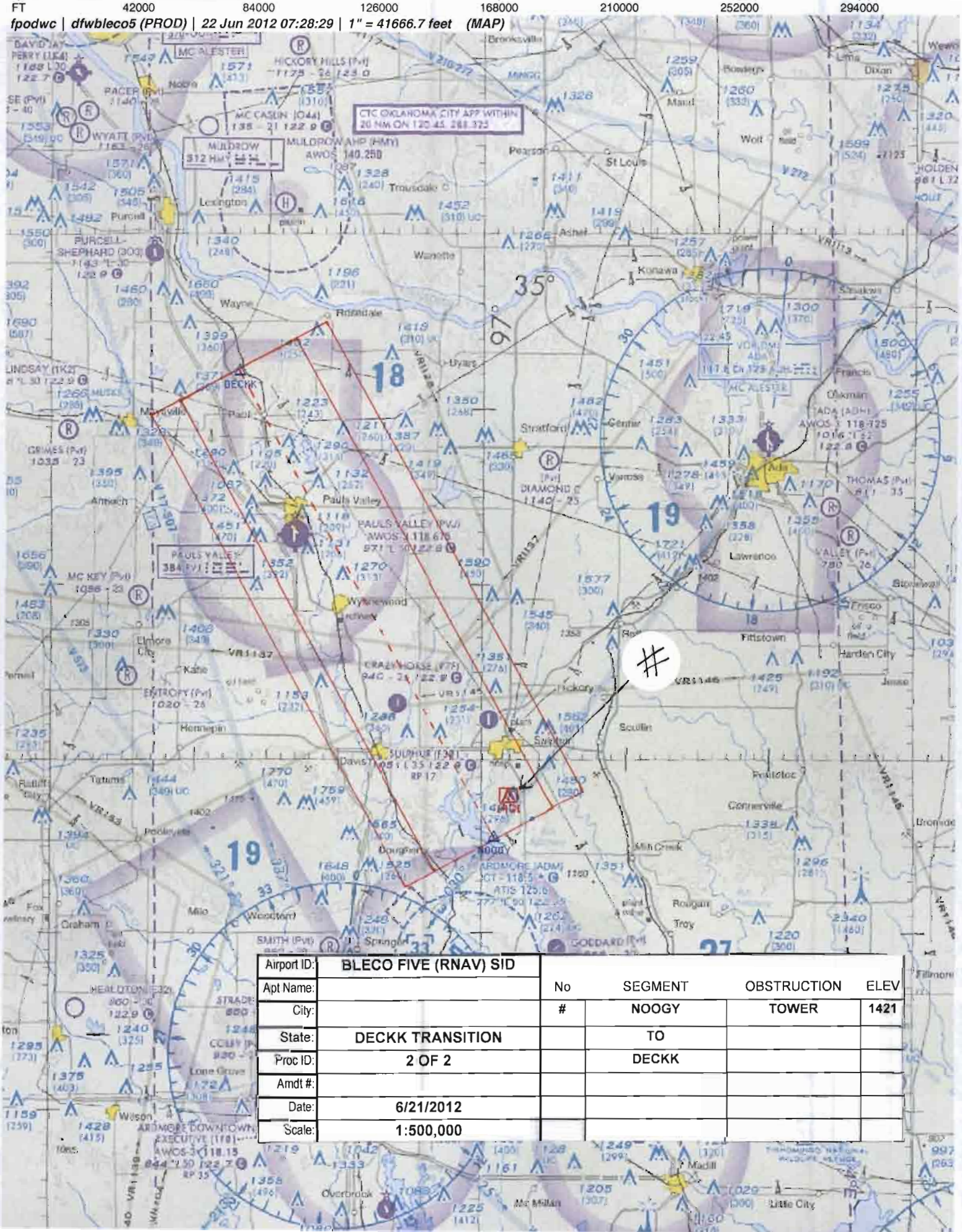
NM
FT
42000
84000
126000
168000
210000
252000
294000
foodmd | bleco_zem (PROD) | 19 Jul 2011 13:10:04 | 1" = 41666.7 feet (MAP)
Apt Name
Dallas/Fort Worth Intl
@
BLECO to ZEMMA
TOWER
1411
City
Dallas-Fort Worth
Page 1 of 2
State
TX
IRW TRANSITION
Procedure
BLECO FIVE
Scale
1:500,000
34°
17
29
27
@
1411
Marysville
Thackerville
Callisburg
Leon
Grady
Spanish Fort
Kingston
Madill
Mill Creek
Troy
Hoxinton
Lone Grove
Wilson
Mannsville
Ovalo
Gainesville
Saint Jo
Muenster
Lindsay
Valley View
Dallas Ft Worth



Airport ID:	KFTW
Apt Name:	DALLAS-FORT WORTH INTL
City:	DALLAS-FORTWORTH
State:	TX
Proc ID:	BLECO FIVE RNAV SID
Scale:	1:500,000

No	SEGMENT	OBSTRUCTION	ELEV
@	ZEMMA TO IRW	TOWER	1829
	Page 2 of 2		
	IRW TRANSITION		


NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpodwc | dfwbleco5 (PROD) | 22 Jun 2012 07:24:55 | 1" = 41666.7 feet (MAP)
@
Airport ID: BLECO FIVE (RNAV) SID
Apt Name:
City:
State: DECKK TRANSITION
Proc ID: 1 OF 2
Amdt #:
Date: 6/21/2012
Scale: 1:500,000
No | SEGMENT | OBSTRUCTION | ELEV
@ | BLECO | TOWER | 1411
TO
NOOGY
DALLAS FT WORTH CLASS B



Airport ID:	BLECO FIVE (RNAV) SID
Apt Name:	
City:	
State:	DECKK TRANSITION
Proc ID:	2 OF 2
Amdt #:	
Date:	6/21/2012
Scale:	1:500,000

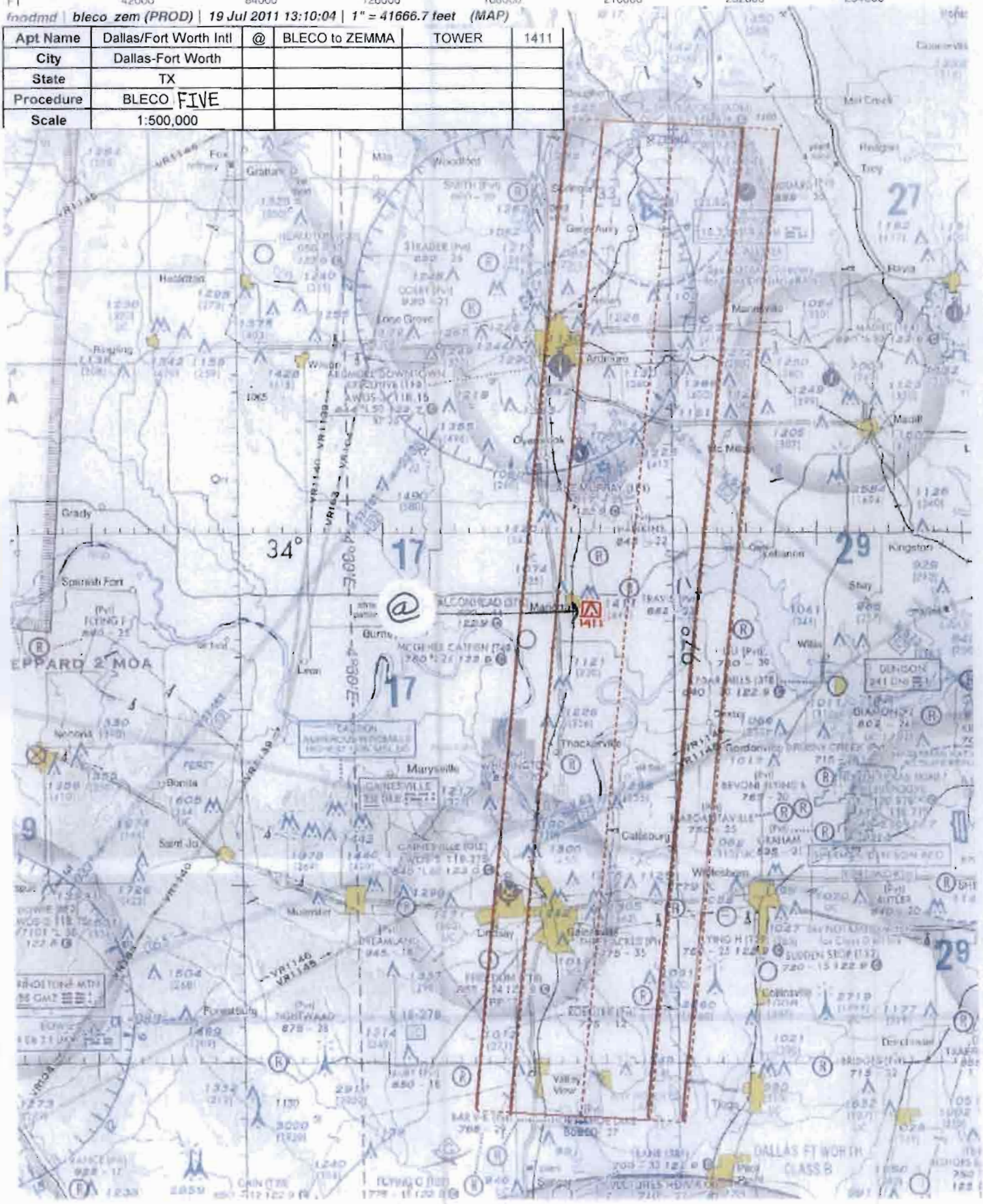
No	SEGMENT	OBSTRUCTION	ELEV
#	NOOGY	TOWER	1421
	TO		
	DECKK		

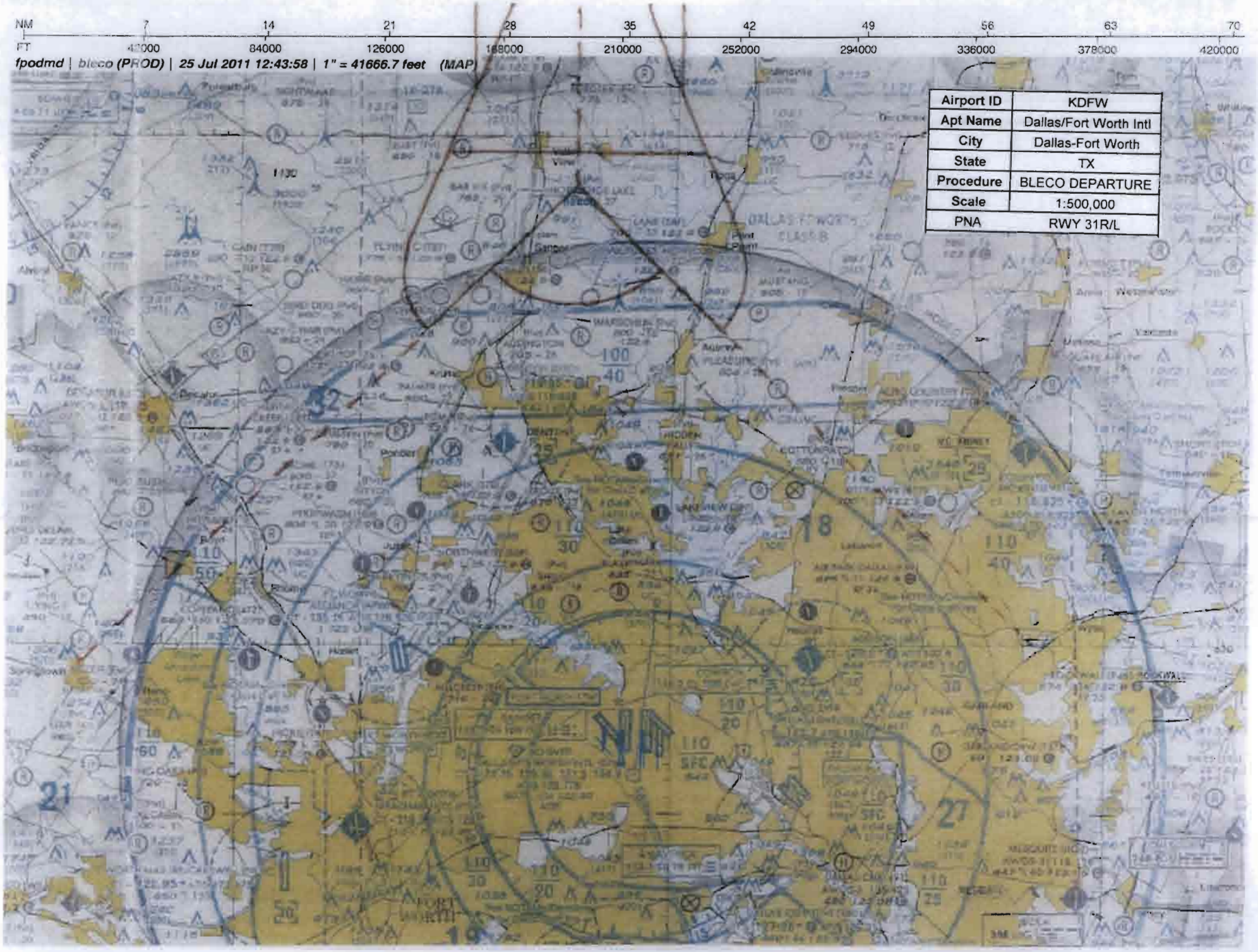
NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fnodmd | bleco_zem (PROD) | 19 Jul 2011 13:10:04 | 1" = 41666.7 feet (MAP)

Apt Name	Dallas/Fort Worth Intl	@	BLECO to ZEMMA	TOWER	1411
City	Dallas-Fort Worth				
State	TX				
Procedure	BLECO FIVE				
Scale	1:500,000				




NM 7 14 21 28 35 42 49 56 63 70
FT 42000 84000 126000 168000 210000 252000 294000 336000 378000 420000
fpodmd | bleco (PROD) | 25 Jul 2011 12:43:58 | 1" = 41666.7 feet (MAP)
Airport ID KDFW
Apt Name Dallas/Fort Worth Intl
City Dallas-Fort Worth
State TX
Procedure BLECO DEPARTURE
Scale 1:500,000
PNA RWY 31R/L

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

TYPE: SID RNAV

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17C: CLIMB HEADING 174.27 TO INTERCEPT COURSE 155.17 TO NAVYE, THEN ON TRACK 104.51 TO JGIRL, CROSS JGIRL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO BLECO. THENCE...
TAKEOFF RWY 17R: CLIMB HEADING 174.26 TO INTERCEPT COURSE 153.02 TO NAVYE, THEN ON TRACK 104.51 TO JGIRL, CROSS JGIRL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO BLECO. THENCE...
TAKEOFF RWY 18L: CLIMB HEADING 174.25 TO INTERCEPT COURSE 190.50 TO BPARK, THEN ON TRACK 252.87 TO YAMEL, CROSS YAMEL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO BLECO. THENCE...
TAKEOFF RWY 18R: CLIMB HEADING 174,25 TO INTERCEPT COURSE 190.00 TO BPARK, THEN ON TRACK 252.87 TO YAMEL, CROSS YAMEL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO BLECO. THENCE...
TAKEOFF RWY 35C: CLIMB HEADING 354.27 TO 1120, THEN DIRECT CUZEN, CROSS CUZEN AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO BLECO. THENCE...
TAKEOFF RWY 35L: CLIMB HEADING 354.26 TO 1120, THEN DIRECT CUZEN, CROSS CUZEN AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO BLECO. THENCE...
TAKEOFF RWY 36L: CLIMB HEADING 354.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO BLECO. THENCE...
TAKEOFF RWY 36R: CLIMB HEADING 354.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO BLECO. THENCE...
TAKEOFF RWY 31L, 31R: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO BLECO, MAINTAIN 5000. THENCE...

...(TRANSITION). MAINTAIN 10000, EXPECT FILED ALTITUDE TEN MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
DECKK	BLECO5.DECKK	BLECO	NOOGY	TRACK 000.04	58.83	18000	2500	
		NOOGY	DECKK	TRACK 325.24	30.45	18000	2500	
TULSA	BLECO5.TUL	BLECO	ZEMMA	TRACK 000.04	56.20	9000	2500	
		ZEMMA	TUL VORTAC	TRACK 022.19	123.58	13000	3000	
WILL ROGERS	BLECO5.IRW	BLECO	ZEMMA	TRACK 000.04	56.20	9000	2500	
		ZEMMA	IRW VORTAC	TRACK 326.54	65.91	11000	2900	
ZEMMA	BLECO5.ZEMMA	BLECO	ZEMMA	TRACK 000.04	56.20	9000	2500	

QUALITY 4 CHECKED

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT AND ALL AIRCRAFT DEPARTING RWYS 31L/R. **NOTE:** DME/DME/IRU OR GPS REQUIRED. **NOTE:** RNAV 1.
NOTE: DECKK TRANSITION (BLECO5.DECKK): FOR ALL AIRCRAFT INBOUND TO OKLAHOMA CITY AREA.
NOTE: FOR TURBOJET AIRCRAFT ONLY.
NOTE: TULSA TRANSITION (BLECO5.TUL): FOR ALL AIRCRAFT OVERFLYING THE TUL VORTAC,
NOTE: WILL ROGERS TRANSITION (BLECO5.IRW): FOR ALL AIRCRAFT OVERFLYING IRW VORTAC.
NOTE: ZEMMA TRANSITION (BLECO5.ZEMMA): ATC ASSIGNED.
NOTE: PROPS FILE AND EXPECT JACKY OR TRI-GATE DEPARTURE.
NOTE: AIRCRAFT LANDING TUL TERMINAL AREA FILE AND/OR EXPECT THE GRABE DEPARTURE.
NOTE: TAKEOFF RWYS 18L/18R: DO NOT EXCEED 240 KIAS UNTIL YAMEL. **NOTE:** TAKEOFF RWYS 35C/35L: DO NOT EXCEED 240 KIAS UNTIL CUZEN.
NOTE: TAKEOFF RWYS 17C/17R: DO NOT EXCEED 240 KIAS UNTIL JGIRL. **NOTE:** TAKEOFF RWYS 36L/36R: DO NOT EXCEED 240 KIAS UNTIL HAZKL.

TAKEOFF MINIMUMS:

RWY 13L/R, 17L, 35R: NA - AIR TRAFFIC.
RWY 31L/R: STANDARD.
RWY 17C/R, 18L/R, 35C/L, 36L/R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 5000.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 31L, TREES BEGINNING 928 FT FROM DER, 724 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/654 FT MSL. TREE 1229 FT FROM DER, 729 FT RIGHT OF CENTERLINE, 28 FT AGL/637 FT MSL. TRMSN POLE 3402 FT FROM DER, 1398 FT RIGHT OF CENTERLINE, 89 FT AGL/708 FT MSL.

NOTE: RWY 31R, BLDG 733 FT FROM DER, 632 FT LEFT OF CENTERLINE, 34 FT AGL/604 FT MSL.

NOTE: RWY 35R, MULTIPLE BUILDINGS BEGINNING 5466 FT FROM DER, 240 FT RIGHT OF CENTERLINE, UP TO 173 FT AGL/714 FT MSL.

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KDFW 6E EPOCH YR: 2000 **DME/DME ASSESSMENT:** SAT (RNP 2.0).

PILOT NAVIGATION AREA: 7 NM ARC CENTERED ON BLECO (IF), **CW FROM** : POINT A (BEARING 316 TO BLECO); **TO**: POINT B (BEARING 045 TO BLECO); **MINIMUM ALTITUDE**-5000

QUALITY 4 CHECKED

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

AIRPORTS SERVED:

DALLAS/FORT WORTH INTL

COMMUNICATIONS:

CLNC DEL, ATIS, GND CON, DFW ATCT, DEP CON

FIXES AND/OR NAVAIDS:

CHART: LOWGN, ADM VORTAC, GRABE, EAKER, TIKYS, AKUNA, NOOGY, DECKK.

QUALITY CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

DAN CAIRNS AJV-353 05/30/2012

APPROVED BY:

LARRY H. STROUT AJV-353

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZFW, DFW TRACON

CHANGES:

1. UPDATED OBSTACLE NOTES.
2. ADDED FIXES DECKK TRANSITION AND PROCEDURAL NOTE: "FOR ALL AIRCRAFT INBOUND TO OKLAHOMA CITY AREA".
3. CHANGED PROCEDURAL NOTE WORDING ON WILL ROGERS TRANSITION FROM "FOR ALL AIRCRAFT INBOUND TO THE OKLAHOMA CITY AREA OR OVERFLYING THE IRW VORTAC" TO "FOR ALL AIRCRAFT OVERFLYING IRW VORTAC".

REASONS:

1-3. ATC REQUEST.

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW17C	325456.55N/0970133.49W	N	-	-	-	-			
	325136.63N/0970134.60W	-	-	VI	180.27	3.33			CG 500 FT/NM TO 5000
NAVYE	324657.75N/0965942.05W	Y	FB	CF	161.17	4.90			RECOMMENDED NAVAID: TTT VOR/DME
JGIRL	324554.36N/0965621.63W	Y	FB	TF	110.51	3.01	AT/ABOVE 5000	AT/BELOW 240K	VI/CF PERMITTED
CORTS	324607.65N/0964953.59W	Y	FB	TF	087.65	5.46			
BIGGD	325131.59N/0964833.10W	Y	FB	TF	011.84	5.51			
CMORE	325916.66N/0964832.49W	Y	FB	TF	000.06	7.74			
BLECO	332702.70N/0970632.59W	Y	FB	TF	331.50	31.56			
RW17R (AER)	325456.60N/0970147.58W	N	-	-	-	-			
	325136.69N/0970148.65W	-	-	VI	180.26	3.33			CG 500 FT/NM TO 5000
NAVYE	324657.75N/0965942.05W	Y	FB	CF	159.02	4.90			RECOMMENDED NAVAID: TTT VOR/DME
JGIRL	324554.36N/0965621.63W	Y	FB	TF	110.51	3.01	AT/ABOVE 5000	AT/BELOW 240K	VI/CF PERMITTED
CORTS	324607.65N/0964953.59W	Y	FB	TF	087.65	5.46			
BIGGD	325131.59N/0964833.10W	Y	FB	TF	011.84	5.51			
CMORE	325916.66N/0964832.49W	Y	FB	TF	000.06	7.74			
BLECO	332702.70N/0970632.59W	Y	FB	TF	331.50	31.56			
RW18L (AER)	325456.88N/0970302.65W	N	-	-	-	-			
	325139.37N/0970303.67W	-	-	VI	180.25	3.29			CG 500 FT/NM TO 5000
BPARK	324631.76N/0970451.51W	Y	FB	CF	196.50	5.34			RECOMMENDED NAVAID: TTT VOR/DME
YAMEL	324555.70N/0970828.05W	Y	FB	TF	258.87	3.10	AT/ABOVE 5000	AT/BELOW 240K	VI/CF PERMITTED
FIRMN	324617.77N/0971428.77W	Y	FB	TF	274.17	5.08			
BINGM	325027.25N/0971627.44W	Y	FB	TF	338.12	4.47			
BEMMR	330006.19N/0971613.39W	Y	FB	TF	001.17	9.63			
BLECO	332702.70N/0970632.59W	Y	FB	TF	016.76	28.09			
RW18R (AER)	325456.93N/0970316.71W	N	-	-	-	-			
	325107.56N/0970317.90W	-	-	VI	180.25	3.82			CG 500 FT/NM TO 5000
BPARK	324631.76N/0970451.51W	Y	FB	CF	196.00	4.77			RECOMMENDED NAVAID: TTT VOR/DME
YAMEL	324555.70N/0970828.05W	Y	FB	TF	258.87	3.10	AT/ABOVE 5000	AT/BELOW 240K	VI/CF PERMITTED
FIRMN	324617.77N/0971428.77W	Y	FB	TF	274.17	5.08			

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
BINGM	325027.25N/0971627.44W	Y	FB	TF	338.12	4.47			
BEMMR	330006.19N/0971613.39W	Y	FB	TF	001.17	9.63			
BLECO	332702.70N/0970632.59W	Y	FB	TF	016.76	28.09			
RWY31L (AER)	325324.97N/0970347.79W	N	-	-	-	-			
		-	-	VM	319.06	-			
BLECO	332702.70N/0970632.59W	Y	FB	DF	-	-			
RWY31R (AER)	325341.93N/0970003.04W	N	-	-	-	-			
	-	-	-	VM	315.28	-			
BLECO	332702.70N/0970632.59W	Y	FB	DF	-	-			
RW35C (AER)	325243.96N/0970134.22W	N	-	-	-	-			
1120 MSL	-	-	-	VA	00.27	-			CG 500 FT/NM TO 5000
CUZEN	330439.55N/0970130.12W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
FLAGZ	330945.88N/0970037.41W	Y	FB	TF	008.23	5.15			
BLECO	332702.70N/0970632.59W	Y	FB	TF	343.98	17.95			
RW35L (AER)	325244.02N/0970148.29W	N	-	-	-	-			
1120 MSL	-	-	-	VA	000.26	-			CG 500 FT/NM TO 5000
CUZEN	330439.55N/0970130.12W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
FLAGZ	330945.88N/0970037.41W	Y	FB	TF	008.23	5.15			
BLECO	332702.70N/0970632.59W	Y	FB	TF	343.98	17.95			
RW36L (AER)	325244.35N/0970317.40W	N	-	-	-	-			
1120 MSL	-	-	-	VA	000.25	-			CG 500 FT/NM TO 5000
HAZKL	330415.04N/0970311.58W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
RYNNE	330913.30N/0970355.92W	Y	FB	TF	352.87	5.00			
BLECO	332702.70N/0970632.59W	Y	FB	TF	353.00	17.92			

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RWY36R (AER)	325244.30N/0970303.33W	N	-	-	-	-			
1120 MSL	-	-	-	VA	000.25	-			CG 500 FT/NM TO 5000
HAZKL	330415.04N/0970311.58W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
RYNNE	330913.30N/0970355.92W	Y	FB	TF	352.87	5.00			
BLECO	332702.70N/0970632.59W	Y	FB	TF	353.00	17.92			
BLECO	332702.70N/0970632.59W	Y	-	IF	-	-			BLECO.DECKK
NOOGY	342539.22N/0965903.44W	Y	FB	TF	006.04	58.83			
DECKK	345222.12N/0971651.92W	Y	FB	TF	331.24	30.45			
BLECO	332702.70N/0970632.59W	Y	-	IF	-	-			BLECO5.IRW
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20			
IRW	352130.95N/0973633.22W	Y	FB	TF	332.54	65.91			
BLECO	332702.70N/0970632.59W	Y	-	IF	-	-			BLECO5.TUL
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20			
TUL	361146.54N/0954717.11W	Y	FB	TF	028.19	123.58			
BLECO	332702.70N/0970632.59W	Y	-	IF	-	-			BLECO5.ZEMMA
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20			

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO RNAV	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

ARINC PACKET - 424-18 - SID

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        IRW   K4011410VTHA N35213095W097363322    N35213095W097363322E0070012302     NARWILL ROGERS
        SUSAD        TTT   K4011310VDHW N32520898W097022581    N32520898W097022581E0060005402     NARMAVERICK
        SUSAD        TUL   K4011440VTHW N36114654W095471711    N36114654W095471711E0080007882     NARTULSA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BEMMR K40    W     N33000619W097161339                E0041   NAR          BEMMR
        SUSAEAENRT   BIGGD K40    W     N32513159W096483310                E0039   NAR          BIGGD
        SUSAEAENRT   BINGM K40    W     N32502725W097162744                E0041   NAR          BINGM
        SUSAEAENRT   BLECO K40    C   L N33270270W097063259                E0040   NAR          BLECO
        SUSAEAENRT   BPARK K40    W     N32463176W097045151                E0040   NAR          BPARK
        SUSAEAENRT   CMORE K40    W     N32591666W096483249                E0039   NAR          CMORE
        SUSAEAENRT   CORTS K40    W     N32460765W096495359                E0039   NAR          CORTS
        SUSAEAENRT   CUZEN K40    W     N33043955W097013012                E0040   NAR          CUZEN
        SUSAEAENRT   DECKK K40    C   B N34522212W097165192                E0041   NAR          DECKK
        SUSAEAENRT   FIRMN K40    W     N32461777W097142877                E0041   NAR          FIRMN
        SUSAEAENRT   FLAGZ K40    W     N33094588W097003741                E0040   NAR          FLAGZ
        SUSAEAENRT   HAZKL K40    W     N33041504W097031158                E0040   NAR          HAZKL
        SUSAEAENRT   JGIRL K40    W     N32455436W096562163                E0039   NAR          JGIRL
        SUSAEAENRT   NAVYE K40    W     N32465775W096594205                E0040   NAR          NAVYE
        SUSAEAENRT   NOOGY K40    R   B N34253922W096590344                E0039   NAR          NOOGY
        SUSAEAENRT   RYNNE K40    W     N33091330W097035592                E0040   NAR          RYNNE
        SUSAEAENRT   YAMEL K40    W     N32455570W097082805                E0041   NAR          YAMEL
        SUSAEAENRT   ZEMMA K40    C   B N34230181W096592401                E0039   NAR          ZEMMA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDFWK4ADFW     0     134YHN32534858W097021679E006000607        1800018000C    MNAR    DALLAS/FORT WORTH INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDFWK4DBLECO54RW17C 010        0      VI                  1743                  18000
        SUSAP KDFWK4DBLECO54RW17C 020NAVYEK4EA0E    010CF TTT K4     1500005715520049D
        SUSAP KDFWK4DBLECO54RW17C 030JGIRLK4EA0E    010TF                10450030    + 05000       240
        SUSAP KDFWK4DBLECO54RW17C 040CORTSK4EA0E    010TF                08170055
        SUSAP KDFWK4DBLECO54RW17C 050BIGGDK4EA0E    010TF                00580055
        SUSAP KDFWK4DBLECO54RW17C 060CMOREK4EA0E    010TF                35410077
        SUSAP KDFWK4DBLECO54RW17C 070BLECOK4EA0EE   010TF                32550316
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DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO RNAV	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

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SUSAP KDFWK4DBLECO54RW17R 010          0        VI                    1743                    18000
SUSAP KDFWK4DBLECO54RW17R 020NAVYEK4EA0E    010CF TTT K4      1500005715300049D
SUSAP KDFWK4DBLECO54RW17R 030JGIRLK4EA0E    010TF                    10450030    + 05000          240          -
SUSAP KDFWK4DBLECO54RW17R 040CORTSK4EA0E    010TF                    08170055
SUSAP KDFWK4DBLECO54RW17R 050BIGGDK4EA0E    010TF                    00580055
SUSAP KDFWK4DBLECO54RW17R 060CMOREK4EA0E    010TF                    35410077
SUSAP KDFWK4DBLECO54RW17R 070BLECOK4EA0EE   010TF                    32550316
SUSAP KDFWK4DBLECO54RW18L 010          0        VI                    1743                    18000
SUSAP KDFWK4DBLECO54RW18L 020BPARKK4EA0E    010CF TTT K4      1941006019050053D
SUSAP KDFWK4DBLECO54RW18L 030YAMELK4EA0E    010TF                    25290031    + 05000          240          -
SUSAP KDFWK4DBLECO54RW18L 040FIRMNK4EA0E    010TF                    26820051
SUSAP KDFWK4DBLECO54RW18L 050BINGMK4EA0E    010TF                    33210045
SUSAP KDFWK4DBLECO54RW18L 060BEMMRK4EA0E    010TF                    35520096
SUSAP KDFWK4DBLECO54RW18L 070BLECOK4EA0EE   010TF                    01080281
SUSAP KDFWK4DBLECO54RW18R 010          0        VI                    1743                    18000
SUSAP KDFWK4DBLECO54RW18R 020BPARKK4EA0E    010CF TTT K4      1941006019000048D
SUSAP KDFWK4DBLECO54RW18R 030YAMELK4EA0E    010TF                    25290031    + 05000          240          -
SUSAP KDFWK4DBLECO54RW18R 040FIRMNK4EA0E    010TF                    26820051
SUSAP KDFWK4DBLECO54RW18R 050BINGMK4EA0E    010TF                    33210045
SUSAP KDFWK4DBLECO54RW18R 060BEMMRK4EA0E    010TF                    35520096
SUSAP KDFWK4DBLECO54RW18R 070BLECOK4EA0EE   010TF                    01080281
SUSAP KDFWK4DBLECO54RW31L 010          0        VM                    3131                    18000
SUSAP KDFWK4DBLECO54RW31L 020BLECOK4EA0EE   010DF
SUSAP KDFWK4DBLECO54RW31R 010          0        VM                    3093                    18000
SUSAP KDFWK4DBLECO54RW31R 020BLECOK4EA0EE   010DF
SUSAP KDFWK4DBLECO54RW35C 010          0        VA                    3543        + 01120     18000
SUSAP KDFWK4DBLECO54RW35C 020CUZENK4EA0E    010DF                                + 05000          240          -
SUSAP KDFWK4DBLECO54RW35C 030FLAGZK4EA0E    010TF                    00220052
SUSAP KDFWK4DBLECO54RW35C 040BLECOK4EA0EE   010TF                    33800180
SUSAP KDFWK4DBLECO54RW35L 010          0        VA                    3543        + 01120     18000
SUSAP KDFWK4DBLECO54RW35L 020CUZENK4EA0E    010DF                                + 05000          240          -
SUSAP KDFWK4DBLECO54RW35L 030FLAGZK4EA0E    010TF                    00220052
SUSAP KDFWK4DBLECO54RW35L 040BLECOK4EA0EE   010TF                    33800180
SUSAP KDFWK4DBLECO54RW36B 010          0        VA                    3543        + 01120     18000
SUSAP KDFWK4DBLECO54RW36B 020HAZKLK4EA0E    010DF                                + 05000          240          -
SUSAP KDFWK4DBLECO54RW36B 030RYNNEK4EA0E    010TF                    34690050
SUSAP KDFWK4DBLECO54RW36B 040BLECOK4EA0EE   010TF                    34700179
SUSAP KDFWK4DBLECO56DECKK 010BLECOK4EA0E       IF                                                18000
SUSAP KDFWK4DBLECO56DECKK 020NOOGYK4EA0E    010TF                    00000588
SUSAP KDFWK4DBLECO56DECKK 030DECKKK4EA0EE   010TF                    32520305
SUSAP KDFWK4DBLECO56IRW   010BLECOK4EA0E       IF                                                18000
SUSAP KDFWK4DBLECO56IRW   020ZEMMAK4EA0E    010TF                    00000562
SUSAP KDFWK4DBLECO56IRW   030IRW  K4D 0VE   010TF                    32650659
SUSAP KDFWK4DBLECO56TUL   010BLECOK4EA0E       IF                                                18000
SUSAP KDFWK4DBLECO56TUL   020ZEMMAK4EA0E    010TF                    00000562
SUSAP KDFWK4DBLECO56TUL   030TUL  K4D 0VE   010TF                    02221236
SUSAP KDFWK4DBLECO56ZEMMA 010BLECOK4EA0E       IF                                                18000
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO RNAV	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

```
        SUSAP KDFWK4DBLECO56ZEMMA 020ZEMMAK4EA0EE   010TF                    00000562
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDFWK4GRW17C   0134011743 N32545655W097013349+0000    +0144100562000058150IIFLQ3
        SUSAP KDFWK4GRW17R   0134011743 N32545660W097014758+0000    +0145700567000054200IIJHZ1
        SUSAP KDFWK4GRW18L   0134001743 N32545688W097030265-0200    +0156200602000055200IICIX1
        SUSAP KDFWK4GRW18R   0134001743 N32545693W097031671-0200    +0157700607000059150IIVYN3
        SUSAP KDFWK4GRW31L   0093013131 N32532497W097034779+0100    +0148800577000054150R
        SUSAP KDFWK4GRW31R   0090003093 N32534193W097000304+0500    +0128000508000053200IIRRA1
        SUSAP KDFWK4GRW35C   0134013543 N32524396W097013422+0000    +0144400562000059150IIPKQ3
        SUSAP KDFWK4GRW35L   0134013543 N32524402W097014829+0000    +0144700563000047200IIUWX1
        SUSAP KDFWK4GRW36L   0134003543 N32524435W097031740+0200    +0150400582000055150IIBXN1
        SUSAP KDFWK4GRW36R   0134003543 N32524430W097030333+0200    +0148300575000050200IIFJN1
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO RNAV	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW17C		010		VI		FB		174.3()			
	RW17C	NAVYE	020		CF		FB	1.0	155.2()	004.9		
	RW17C	JGIRL	030		TF		FB	1.0	104.5()	003.0	AA 05000	AB 240
	RW17C	CORTS	040		TF		FB	1.0	081.7()	005.5		
	RW17C	BIGGD	050		TF		FB	1.0	005.8()	005.5		
	RW17C	CMORE	060		TF		FB	1.0	354.1()	007.7		
	RW17C	BLECO	070		TF		FB	1.0	325.5()	031.6		
	RW17R		010		VI		FB		174.3()			
	RW17R	NAVYE	020		CF		FB	1.0	153.0()	004.9		
	RW17R	JGIRL	030		TF		FB	1.0	104.5()	003.0	AA 05000	AB 240
	RW17R	CORTS	040		TF		FB	1.0	081.7()	005.5		
	RW17R	BIGGD	050		TF		FB	1.0	005.8()	005.5		
	RW17R	CMORE	060		TF		FB	1.0	354.1()	007.7		
	RW17R	BLECO	070		TF		FB	1.0	325.5()	031.6		
	RW18L		010		VI		FB		174.3()			
	RW18L	BPARK	020		CF		FB	1.0	190.5()	005.3		
	RW18L	YAMEL	030		TF		FB	1.0	252.9()	003.1	AA 05000	AB 240
	RW18L	FIRMN	040		TF		FB	1.0	268.2()	005.1		
	RW18L	BINGM	050		TF		FB	1.0	332.1()	004.5		
	RW18L	BEMMR	060		TF		FB	1.0	355.2()	009.6		
	RW18L	BLECO	070		TF		FB	1.0	010.8()	028.1		
	RW18R		010		VI		FB		174.3()			
	RW18R	BPARK	020		CF		FB	1.0	190.0()	004.8		
	RW18R	YAMEL	030		TF		FB	1.0	252.9()	003.1	AA 05000	AB 240
	RW18R	FIRMN	040		TF		FB	1.0	268.2()	005.1		
	RW18R	BINGM	050		TF		FB	1.0	332.1()	004.5		
	RW18R	BEMMR	060		TF		FB	1.0	355.2()	009.6		
	RW18R	BLECO	070		TF		FB	1.0	010.8()	028.1		
	RW31L		010		VM		FB		313.1()			
	RW31L	BLECO	020		DF		FB	1.0				
	RW31R		010		VM		FB		309.3()			
	RW31R	BLECO	020		DF		FB	1.0				
	RW35C		010		VA		FB		354.3()		AA 01120	
	RW35C	CUZEN	020		DF		FB	1.0			AA 05000	AB 240
	RW35C	FLAGZ	030		TF		FB	1.0	002.2()	005.2		
	RW35C	BLECO	040		TF		FB	1.0	338.0()	018.0		
	RW35L		010		VA		FB		354.3()		AA 01120	
	RW35L	CUZEN	020		DF		FB	1.0			AA 05000	AB 240
	RW35L	FLAGZ	030		TF		FB	1.0	002.2()	005.2		
	RW35L	BLECO	040		TF		FB	1.0	338.0()	018.0		
	RW36B		010		VA		FB		354.3()		AA 01120	
	RW36B	HAZKL	020		DF		FB	1.0			AA 05000	AB 240

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO RNAV	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

	RW36B	RYNNE	030	TF	FB	1.0	346.9()	005.0
	RW36B	BLECO	040	TF	FB	1.0	347.0()	017.9
	DECKK	BLECO	010	IF	FB			
	DECKK	NOOGY	020	TF	FB	1.0	000.0()	058.8
	DECKK	DECKK	030	TF	FB	1.0	325.2()	030.5
	IRW	BLECO	010	IF	FB			
	IRW	ZEMMA	020	TF	FB	1.0	000.0()	056.2
	IRW	IRW	030	TF	FB	1.0	326.5()	065.9
	TUL	BLECO	010	IF	FB			
	TUL	ZEMMA	020	TF	FB	1.0	000.0()	056.2
	TUL	TUL	030	TF	FB	1.0	022.2()	123.6
	ZEMMA	BLECO	010	IF	FB			
	ZEMMA	ZEMMA	020	TF	FB	1.0	000.0()	056.2

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	TTT	N325208.98	W0970225.81	N3252.150	W09702.430
	TUL	N361146.54	W0954717.11	N3611.776	W09547.285
	BEMMR	N330006.19	W0971613.39	N3300.103	W09716.223
	BIGGD	N325131.59	W0964833.10	N3251.527	W09648.552
	BINGM	N325027.25	W0971627.44	N3250.454	W09716.457
	BLECO	N332702.70	W0970632.59	N3327.045	W09706.543
	BPARK	N324631.76	W0970451.51	N3246.529	W09704.859
	CMORE	N325916.66	W0964832.49	N3259.278	W09648.542
	CORTS	N324607.65	W0964953.59	N3246.128	W09649.893
	CUZEN	N330439.55	W0970130.12	N3304.659	W09701.502
	DECKK	N345222.12	W0971651.92	N3452.369	W09716.865
	FIRMN	N324617.77	W0971428.77	N3246.296	W09714.480
	FLAGZ	N330945.88	W0970037.41	N3309.765	W09700.624
	HAZKL	N330415.04	W0970311.58	N3304.251	W09703.193
	JGIRL	N324554.36	W0965621.63	N3245.906	W09656.361
	NAVYE	N324657.75	W0965942.05	N3246.963	W09659.701
	NOOGY	N342539.22	W0965903.44	N3425.654	W09659.057
	RYNNE	N330913.30	W0970355.92	N3309.222	W09703.932
	YAMEL	N324555.70	W0970828.05	N3245.928	W09708.468
	ZEMMA	N342301.81	W0965924.01	N3423.030	W09659.400
	RW17C	N325456.55	W0970133.49	N3254.943	W09701.558
	RW17R	N325456.60	W0970147.58	N3254.943	W09701.793
	RW18L	N325456.88	W0970302.65	N3254.948	W09703.044
	RW18R	N325456.93	W0970316.71	N3254.949	W09703.279
	RW31L	N325324.97	W0970347.79	N3253.416	W09703.797
	RW31R	N325341.93	W0970003.04	N3253.699	W09700.051
	RW35C	N325243.96	W0970134.22	N3252.733	W09701.570
	RW35L	N325244.02	W0970148.29	N3252.734	W09701.805
	RW36L	N325244.35	W0970317.40	N3252.739	W09703.290
	RW36R	N325244.30	W0970303.33	N3252.738	W09703.056

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BLECO RNAV	FIVE	BLECO5.BLECO	FOUR	04/05/2012	

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW17C	00562	58
RW17R	00567	54
RW18L	00602	55
RW18R	00607	59
RW31L	00577	54
RW31R	00508	53
RW35C	00562	59
RW35L	00563	47
RW36L	00582	55
RW36R	00575	50

RADIO FIX AND HOLDING DATA RECORD

NAME: DECKK **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 345222.12N/0971651.92W **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	ARDMORE	ADM	VORTAC	H	345.99	351.99	40.00	40.00		3000	45000
2	ADA	ADH	VOR/DME	T	272.11	278.11		30.47		3000	17500
3	WILL ROGERS	IRW	VORTAC	H	143.87	150.87		33.28		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ADH	VOR/DME	R-272	31	3000	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	S	ADM	VORTAC	345.99	345.99	R	1-1 1/2		3000	17500	6	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (40-000389)	345334.00N/0971140.00W	1402	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
ENROUTE HIGH: CHART FAC 1 ONLY.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING NOT CHARTED: FOR AIR TRAFFIC USE.
ARDMORE (FAC 1) AND ADA (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXOMA	1, 2, 3		KGKY	ARLINGTON	TX (US)
DP	TEXOMA	1, 2, 3		KADS	DALLAS	TX (US)
DP	TEXOMA	1, 2, 3		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2, 3		KRBD	DALLAS	TX (US)
DP	TEXOMA	1, 2, 3		KTKI	DALLAS	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JACKY	1, 2, 3		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2, 3		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2, 3		KDTO	DENTON	TX (US)
DP	TEXOMA	1, 2, 3		KAFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2, 3		KFTW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2, 3		KFWS	FORT WORTH	TX (US)
DP	TEXOMA	1, 2, 3		KNFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2, 3		KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA	1, 2, 3		KLNC	LANCASTER	TX (US)
DP	TEXOMA	1, 2, 3		KHQZ	MESQUITE	TX (US)
IAP	RNAV (GPS) RWY 13			KADM	ARDMORE	OK (US)
IAP	ILS OR LOC RWY 35R			KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS RWY 35R (CAT II)			KOKC	OKLAHOMA CITY	OK (US)
IAP	RNAV (RNP) Z RWY 17L			KOKC	OKLAHOMA CITY	OK (US)
IAP	RNAV (RNP) Z RWY 17R			KOKC	OKLAHOMA CITY	OK (US)
IAP	RNAV (RNP) Z RWY 35L			KOKC	OKLAHOMA CITY	OK (US)
IAP	RNAV (RNP) Z RWY 35R			KOKC	OKLAHOMA CITY	OK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
ADDED DP UNDER REQUIRED CHARTING HEADING AT REQUEST OF ATC.

DEVELOPED BY: **DATE:** 05/17/2012 **OFFICE:** AJV-353 **NAME:** DAN CAIRNS

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

QUALITY CHECKED

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: OKC APP CON, OKC ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: GRABE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 332705.25N/0965741.50W **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	012.00	018.00	35.40	35.40		3000	17500
2	BONHAM	BYP	VORTAC	H	256.17	262.17		36.86		3000	17500

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S	FUZ	VORTAC	012.00	012.00	R	1		3000	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-007821)	333336.00N/0965736.00W	2660	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXOMA	1, 2		KGKY	ARLINGTON	TX (US)
DP	TEXOMA	1, 2		KADS	DALLAS	TX (US)
DP	KRUMM	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KRBD	DALLAS	TX (US)
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TRI-GATE	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDTO	DENTON	TX (US)
DP	TEXOMA	1, 2		KAFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFTW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFWS	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KNFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA			KLNC	LANCASTER	TX (US)
DP	TEXOMA	1, 2		KTKI	MC KINNEY	TX (US)
DP	TEXOMA	1, 2		KHQZ	MESQUITE	TX (US)
IAP	CONVERGING ILS RWY 35C	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	CONVERGING ILS RWY 35L	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 35C	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 35L	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS RWY 35C (CAT II)	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS RWY 35C (CAT III)	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS RWY 35C (SA CAT I)	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS RWY 35L (SA CAT I)	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS RWY 35L (SA CAT II)	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
UPDATE FAC 1, LOWERED MRA FROM 5000 TO 3000.
UPDATE HOLDING, LOWERED MIN HOLDING FROM 5000 TO 3000.
UPDATE REMARKS, ADDED NOTE RANGER (FAC 1) USED TO ESTABLISH FIX COORDINATES.
UPDATE FIX USE.

DEVELOPED BY: **DATE:** 05/16/2012 **OFFICE:** AJV-353 **NAME:** HERMAN ROGERS

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NOOGY **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 342539.22N/0965903.44W **TYPE:** INT, DME

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

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	360.00	006.00	92.63	92.63		8000	17500
2	WILL ROGERS	IRW	VORTAC	H	143.88	150.88	63.73			4400	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FUZ	VORTAC	R-360	93	8000	17500
IRW	VORTAC	R-144	64	4400	17500

REMARKS:
NEW FIX PART OF TEXOMA TWO DEPARTURE DECKK TRANSITION; ALSO ADDED TO BLECO FIVE DEPARTURE (RNAV); FIX ADDED TO JACKY FIVE SID ALSO.
RANGER (FAC 1) AND WILL ROGERS (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLECO (RNAV)			KOKC	OKLAHOMA CITY	OK (US)
DP	TEXOMA	1, 2		KGKY	ARLINGTON	TX (US)
DP	TEXOMA	1, 2		KADS	DALLAS	TX (US)
DP	TEXOMA	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KRBD	DALLAS	TX (US)
DP	TEXOMA	1, 2		KTKI	DALLAS	TX (US)
DP	JACKY	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDTO	DENTON	TX (US)
DP	TEXOMA	1, 2		KAFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFTW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFWS	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KNFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA	1, 2		KLNC	LANCASTER	TX (US)
DP	TEXOMA	1, 2		KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
ATC REQUEST.

DEVELOPED BY: **DATE:** 05/17/2012 **OFFICE:** AJV-353 **NAME:** DAN CAIRNS

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: TULSA VORTAC **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 361146.54N/0954717.11W **TYPE:**

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

FIX MAKE-UP FACILITIES:

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	TUL	VORTAC	007.00	187.00	R	1-1 1/2		3000	45000	4	29
2	E	TUL	VORTAC	081.00	261.00	R	1-1 1/2		2400	17500	4	16
3	E	TUL	VORTAC	080.00	260.00	R	1-1 1/2		2400	15000	4	15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (40-001734)	362002.81N/0954709.50W	1345	2C
2	200	TOWER (40-000147)	360847.60N/0954827.10W	1234	4D
3	200	TOWER (40-000147)	360847.60N/0954827.10W	1234	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
CHART PAT 1 ONLY ON LOW AND HIGH ENROUTE CHARTS
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRINGS			KASG	SPRINGDALE	AR (US)
DP	TULSA		3	KRVS	TULSA	OK (US)
DP	TULSA		3	KTUL	TULSA	OK (US)
DP	LEONA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	TEXOMA			KGKY	ARLINGTON	TX (US)
DP	LEONA			K55TA	CONROE	TX (US)
DP	TEXOMA			KADS	DALLAS	TX (US)
DP	KRUMM			KDAL	DALLAS	TX (US)
DP	TEXOMA			KDAL	DALLAS	TX (US)
DP	TEXOMA			KRBD	DALLAS	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JACKY			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDTO	DENTON	TX (US)
DP	TEXOMA			KAFW	FORT WORTH	TX (US)
DP	TEXOMA			KFTW	FORT WORTH	TX (US)
DP	TEXOMA			KFWS	FORT WORTH	TX (US)
DP	TEXOMA			KNFW	FORT WORTH	TX (US)
DP	LEONA			KGLS	GALVESTON	TX (US)
DP	TEXOMA			KGPM	GRAND PRAIRIE	TX (US)
DP	LEONA			KAXH	HOUSTON	TX (US)
DP	LEONA			KCXO	HOUSTON	TX (US)
DP	LEONA			KDWH	HOUSTON	TX (US)
DP	LEONA			KEFD	HOUSTON	TX (US)
DP	LEONA			KEYQ	HOUSTON	TX (US)
DP	LEONA			KHOU	HOUSTON	TX (US)
DP	LEONA			KIAH	HOUSTON	TX (US)
DP	LEONA			KIWS	HOUSTON	TX (US)
DP	LEONA			KSGR	HOUSTON	TX (US)
DP	LEONA			KTME	HOUSTON	TX (US)
DP	LEONA			KT41	LA PORTE	TX (US)
DP	TEXOMA			KLNC	LANCASTER	TX (US)
DP	TEXOMA			KTKI	MC KINNEY	TX (US)
DP	TEXOMA			KHQZ	MESQUITE	TX (US)
EN ROUTE	V256					(US)
EN ROUTE	V506					(US)
EN ROUTE	V73					(US)
EN ROUTE	V88					(US)
EN ROUTE	J25					OK (US)
EN ROUTE	J46					OK (US)
EN ROUTE	J78					OK (US)
EN ROUTE	J87					OK (US)
EN ROUTE	J98					OK (US)

EN ROUTE	V131				OK (US)
EN ROUTE	V14				OK (US)
EN ROUTE	V140				OK (US)
EN ROUTE	V161				OK (US)
EN ROUTE	V436				OK (US)
EN ROUTE	V74				OK (US)
IAP	VOR/DME RWY 35		KBVO	BARTLESVILLE	OK (US)
IAP	VOR/DME-A		KGCM	CLAREMORE	OK (US)
IAP	VOR/DME-B	2	KGCM	CLAREMORE	OK (US)
IAP	VOR/DME OR GPS-A		KH71	PRYOR	OK (US)
IAP	NDB RWY 35		KOWP	SAND SPRINGS	OK (US)
IAP	RNAV (GPS) RWY 17		KOWP	SAND SPRINGS	OK (US)
IAP	RNAV (GPS) RWY 35		KOWP	SAND SPRINGS	OK (US)
IAP	VOR/DME-A		KOWP	SAND SPRINGS	OK (US)
IAP	ILS OR LOC RWY 1L		KRVS	TULSA	OK (US)
IAP	VOR RWY 1L		KRVS	TULSA	OK (US)
IAP	VOR/DME-A		KRVS	TULSA	OK (US)
IAP	HI-VOR/DME OR TACAN RWY 26		KTUL	TULSA	OK (US)
IAP	ILS OR LOC RWY 18L	2	KTUL	TULSA	OK (US)
IAP	ILS OR LOC RWY 18R		KTUL	TULSA	OK (US)
IAP	ILS OR LOC RWY 36R	2	KTUL	TULSA	OK (US)
IAP	ILS RWY 36R (CAT II)	2	KTUL	TULSA	OK (US)
IAP	RADAR	2	KTUL	TULSA	OK (US)
IAP	VOR OR TACAN RWY 26		KTUL	TULSA	OK (US)
IAP	VOR/DME RWY 8		KTUL	TULSA	OK (US)
STAR	GULLI		KCHK	CHICKASHA	OK (US)
STAR	GULLI		KRQO	EL RENO	OK (US)
STAR	GULLI		K1K4	GOLDSBY	OK (US)
STAR	GULLI		KGOK	GUTHRIE	OK (US)
STAR	GULLI		KOUN	NORMAN	OK (US)
STAR	GULLI		KHSD	OKLAHOMA CITY	OK (US)
STAR	GULLI		KOKC	OKLAHOMA CITY	OK (US)
STAR	GULLI		KPWA	OKLAHOMA CITY	OK (US)
STAR	GULLI		KRCE	OKLAHOMA CITY	OK (US)
STAR	GULLI		KTIK	OKLAHOMA CITY	OK (US)
STAR	GULLI		KSNL	SHAWNEE	OK (US)
STAR	VINTA		KRVS	TULSA	OK (US)
STAR	VINTA		KTUL	TULSA	OK (US)
STAR	MOTZA		KGKY	ARLINGTON	TX (US)
STAR	SASIE		KGKY	ARLINGTON	TX (US)
STAR	FINGR		KADS	DALLAS	TX (US)
STAR	GREGS		KADS	DALLAS	TX (US)
STAR	FINGR		KDAL	DALLAS	TX (US)
STAR	GREGS		KDAL	DALLAS	TX (US)
STAR	FINGR		KRBD	DALLAS	TX (US)
STAR	GREGS		KRBD	DALLAS	TX (US)
STAR	GREGS		KTKI	DALLAS	TX (US)
STAR	BONHAM		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	BOWIE		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MASTY		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	WILBR		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS		KDTO	DENTON	TX (US)
STAR	SASIE		KDTO	DENTON	TX (US)
STAR	MOTZA		KAFW	FORT WORTH	TX (US)
STAR	SASIE		KAFW	FORT WORTH	TX (US)
STAR	MOTZA		KFTW	FORT WORTH	TX (US)
STAR	SASIE		KFTW	FORT WORTH	TX (US)
STAR	MOTZA		KFWS	FORT WORTH	TX (US)
STAR	SASIE		KFWS	FORT WORTH	TX (US)
STAR	MOTZA		KNFW	FORT WORTH	TX (US)
STAR	SASIE		KNFW	FORT WORTH	TX (US)
STAR	MOTZA		KGPM	GRAND PRAIRIE	TX (US)
STAR	SASIE		KGPM	GRAND PRAIRIE	TX (US)
STAR	FINGR		KLNC	LANCASTER	TX (US)
STAR	GREGS		KLNC	LANCASTER	TX (US)
STAR	FINGR		KHQZ	MESQUITE	TX (US)
STAR	GREGS		KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
NEW NAVAID COORDINATES ALREADY NFDD'D. COORDINATES MOVED 7 FT EAST.
UPDATED HOLDING PATTERN 2 & 3 OBSTACLE DATA. COORDINATES CHANGED, ELEVATION CHANGED FROM (1230) TO (1234) AND ACCURCY CODE CHANGED FROM (1D) TO (4D).
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 05/07/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (BRIAN BICKETT)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZKC
ATC FACILITY: TUL APP CON
OTHER: ZFW, ZHU

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: AKUNA **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 332702.48N/0964923.30W **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	022.00	028.00	38.10	38.10		4000	17500
2	BONHAM	BYP	VORTAC	H	254.19	260.19		30.01		4000	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXOMA	1, 2		KGKY	ARLINGTON	TX (US)
DP	TEXOMA	1, 2		KADS	DALLAS	TX (US)
DP	TEXOMA	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KRBD	DALLAS	TX (US)
DP	TEXOMA	1, 2		KTKI	DALLAS	TX (US)
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDTO	DENTON	TX (US)
DP	TEXOMA	1, 2		KAFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFTW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFWS	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KNFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA	1, 2		KLNC	LANCASTER	TX (US)
IAP	TEXOMA	1, 2		KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 3
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 12/02/2009 **OFFICE:** AVN-120 **NAME:** JERRY MCCULLOUGH

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY

RADIO FIX AND HOLDING DATA RECORD

NAME: ARDMORE VORTAC **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 341241.71N/0971005.62W **TYPE:**

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

FIX MAKE-UP FACILITIES:

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	ADM	VORTAC	230.00	050.00	R	1		3000	6000	4	5
2	NW	ADM	VORTAC	324.00	144.00	L	1		3000	6000	4	5
3	SW		WP	230.00	050.00	R		4	2600	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (40-000776)	340553.00N/0971055.00W	1333	5D
2	200	TOWER (40-002523)	342144.00N/0971105.00W	1648	2C
3	200	TOWER (40-000776)	340553.00N/0971055.00W	1333	5D

REASON FOR NONSTANDARD HOLDING:
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
DP	LEONA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	TEXOMA			KGKY	ARLINGTON	TX (US)
DP	TEXOMA			KADS	DALLAS	TX (US)
DP	KRUMM			KDAL	DALLAS	TX (US)
DP	TEXOMA			KDAL	DALLAS	TX (US)
DP	TEXOMA			KRBD	DALLAS	TX (US)
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JACKY			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDTO	DENTON	TX (US)
DP	TEXOMA			KAFW	FORT WORTH	TX (US)
DP	TEXOMA			KFTW	FORT WORTH	TX (US)
DP	TEXOMA			KFWS	FORT WORTH	TX (US)
DP	TEXOMA			KNFW	FORT WORTH	TX (US)
DP	LEONA			KGLS	GALVESTON	TX (US)
DP	TEXOMA			KGPM	GRAND PRAIRIE	TX (US)
DP	LEONA			KAXH	HOUSTON	TX (US)
DP	LEONA			KCXO	HOUSTON	TX (US)
DP	LEONA			KDWH	HOUSTON	TX (US)
DP	LEONA			KEFD	HOUSTON	TX (US)
DP	LEONA			KEYQ	HOUSTON	TX (US)
DP	LEONA			KHOU	HOUSTON	TX (US)
DP	LEONA			KIAH	HOUSTON	TX (US)
DP	LEONA			KIWS	HOUSTON	TX (US)
DP	LEONA			KSGR	HOUSTON	TX (US)
DP	LEONA			KTME	HOUSTON	TX (US)
DP	LEONA			KT41	LA PORTE	TX (US)
DP	TEXOMA			KLNC	LANCASTER	TX (US)
DP	TEXOMA			KTKI	MC KINNEY	TX (US)
DP	TEXOMA			KHQZ	MESQUITE	TX (US)
EN ROUTE	J21					(US)
EN ROUTE	J52					(US)
EN ROUTE	V161					(US)
EN ROUTE	V17-161					(US)
EN ROUTE	V17-507					(US)
EN ROUTE	V573					(US)
IAP	VOR/DME RWY 17			KADH	ADA	OK (US)
IAP	VOR/DME-A			KADH	ADA	OK (US)
IAP	RNAV (GPS) RWY 17			K1F0	ARDMORE	OK (US)

QUALITY 3 CHECKED

IAP	RNAV (GPS) RWY 35		K1F0	ARDMORE	OK (US)
IAP	VOR-A	2	K1F0	ARDMORE	OK (US)
IAP	ILS OR LOC RWY 31	1	KADM	ARDMORE	OK (US)
IAP	RNAV (GPS) RWY 13		KADM	ARDMORE	OK (US)
IAP	RNAV (GPS) RWY 31		KADM	ARDMORE	OK (US)
IAP	VOR-B		KADM	ARDMORE	OK (US)
IAP	RNAV (GPS) RWY 17		KDUC	DUNCAN	OK (US)
IAP	RNAV (GPS) RWY 35		KDUC	DUNCAN	OK (US)
IAP	VOR RWY 35		KDUC	DUNCAN	OK (US)
IAP	VOR/DME RWY 17		KDUA	DURANT	OK (US)
IAP	RNAV (GPS) RWY 18	3	K1F4	MADILL	OK (US)
IAP	VOR/DME-A		K1F4	MADILL	OK (US)
IAP	NDB RWY 35		KPVJ	PAULS VALLEY	OK (US)
IAP	MOTZA		KGKY	ARLINGTON	TX (US)
IAP	NDB RWY 17		KGLE	GAINESVILLE	TX (US)
IAP	RNAV (GPS) RWY 17		KGLE	GAINESVILLE	TX (US)
IAP	NDB RWY 17L		KGYI	SHERMAN/DENISON	TX (US)
IAP	RNAV (GPS) RWY 17L		KGYI	SHERMAN/DENISON	TX (US)
STAR	SASIE		KGKY	ARLINGTON	TX (US)
STAR	FINGR		KADS	DALLAS	TX (US)
STAR	GREGS		KADS	DALLAS	TX (US)
STAR	JONEZ		KADS	DALLAS	TX (US)
STAR	BOWIE		KDAL	DALLAS	TX (US)
STAR	FINGR		KDAL	DALLAS	TX (US)
STAR	GREGS		KDAL	DALLAS	TX (US)
STAR	FINGR		KRBD	DALLAS	TX (US)
STAR	GREGS		KRBD	DALLAS	TX (US)
STAR	GREGS		KTKI	DALLAS	TX (US)
STAR	BONHAM		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	BOWIE		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	JONEZ		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MASTY		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	WILBR		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS		KDTO	DENTON	TX (US)
STAR	SASIE		KDTO	DENTON	TX (US)
STAR	MOTZA		KAFW	FORT WORTH	TX (US)
STAR	SASIE		KAFW	FORT WORTH	TX (US)
STAR	MOTZA		KFTW	FORT WORTH	TX (US)
STAR	SASIE		KFTW	FORT WORTH	TX (US)
STAR	MOTZA		KFWS	FORT WORTH	TX (US)
STAR	SASIE		KFWS	FORT WORTH	TX (US)
STAR	MOTZA		KNFW	FORT WORTH	TX (US)
STAR	SASIE		KNFW	FORT WORTH	TX (US)
STAR	MOTZA		KGPM	GRAND PRAIRIE	TX (US)
STAR	SASIE		KGPM	GRAND PRAIRIE	TX (US)
STAR	FINGR		KLNC	LANCASTER	TX (US)
STAR	GREGS		KLNC	LANCASTER	TX (US)
STAR	FINGR		KHQZ	MESQUITE	TX (US)
STAR	GREGS		KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18 **DATE OF REVISION:** 10/20/2011

REASON FOR REVISION:
CHANGED PAT 1 CONTROLLING OBSTACLE FROM 40-000030 TO 40-000776.

DEVELOPED BY: **DATE:** 04/28/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (STEPHEN PETERSON)

APPROVED BY: **DATE:** 09/08/2011 **OFFICE:** AJV-353 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: ADM TOWER
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: BEMMR **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 330006.19N/0971613.39W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 1 FROM FIX MAKE-UP FACILITIES.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/04/2009 **OFFICE:** AVN-120 **NAME:** PATRICK HARRINGTON

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY 3 CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: BIGGD **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 325131.59N/0964833.10W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 04/08/2010

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

DEVELOPED BY: **DATE:** 11/17/2009 **OFFICE:** AVN-120 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: BINGM **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 325027.25N/0971627.44W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 1 FROM FIX MAKE-UP FACILITIES.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/04/2009 **OFFICE:** AVN-120 **NAME:** PATRICK HARRINGTON

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY 3 CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: BLECO **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 332702.70N/0970632.59W **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	360.00	006.00	33.80	33.80		4000	17500
2	BOWIE	UKW	VORTAC	H	091.92	097.92		36.10		4000	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXOMA	1, 2		KGKY	ARLINGTON	TX (US)
DP	TEXOMA	1, 2		KADS	DALLAS	TX (US)
DP	KRUMM	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KRBD	DALLAS	TX (US)
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JACKY			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDTO	DENTON	TX (US)
DP	TEXOMA	1, 2		KAFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFTW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFWS	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KNFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA	1, 2		KLNC	LANCASTER	TX (US)
DP	TEXOMA	1, 2		KTKI	MC KINNEY	TX (US)
DP	TEXOMA	1, 2		KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 3.
UPDATED FIX USE.
ADDED FAC 1 DIST FROM FAC 33.80 NM.
ADDED FAC 2 DIST FROM FAC 36.10 NM.

DEVELOPED BY: **DATE:** 11/17/2009 **OFFICE:** AVN-120 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BPARK **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 324631.76N/0970451.51W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BELCO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	FERRA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	SLOTT (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
MOVED FIX 216 FT WEST PER ATC REQUEST.
DELETED FAC ONE.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/28/2009 **OFFICE:** AVN-120 **NAME:** JERRY MCCULLOUGH

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CMORE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 325916.66N/0964832.49W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 1 FROM FIX MAKE-UP FACILITIES.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/12/2009 **OFFICE:** AVN-120 **NAME:** PATRICK HARRINGTON

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CORTS **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 324607.65N/0964953.59W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	NOBLY (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TRISS (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 1 FROM FIX MAKE-UP FACILITIES.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/04/2009 **OFFICE:** AVN-120 **NAME:** PATRICK HARRINGTON

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: CUZEN **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 330439.55N/0970130.12W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	NOBLY (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TRISS (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 1 FROM FIX MAKE-UP FACILITIES.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/12/2009 **OFFICE:** AVN-120 **NAME:** PATRICK HARRINGTON

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: EAKER **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 341902.72N/0963711.52W **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	012.00	018.00	90.00	90.00		9000	45000
2	ARDMORE	ADM	VORTAC	H	070.76	076.76		28.00		9000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FUZ	VORTAC	R-012	90	90	151

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXOMA	1, 2		KGKY	ARLINGTON	TX (US)
DP	TEXOMA	1, 2		KADS	DALLAS	TX (US)
DP	KRUMM	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KRBD	DALLAS	TX (US)
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TRI-GATE	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDTO	DENTON	TX (US)
DP	TEXOMA	1, 2		KAFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFTW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFWS	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KNFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA	1, 2		KLNC	LANCASTER	TX (US)
DP	TEXOMA	1, 2		KTKI	MC KINNEY	TX (US)
DP	TEXOMA	1, 2		KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 3 FROM FIX MAKE-UP FACILITIES.
UPDATED FIX USE.
ADDED DIST FROM FAC NM TO FAC 1 AND FAC 2.

DEVELOPED BY: **DATE:** 11/04/2009 **OFFICE:** AVN-120 **NAME:** PATRICK HARRINGTON

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: FIRMN **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 324617.77N/0971428.77W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	FERRA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	SLOTT (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC ONE.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/28/2009 **OFFICE:** AVN-120 **NAME:** JERRY MCCULLOUGH

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: FLAGZ **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 330945.88N/0970037.41W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 1 FROM FIX MAKE-UP FACILITIES.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/16/2009 **OFFICE:** AVN-120 **NAME:** PATRICK HARRINGTON

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: HAZKL **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 330415.04N/0970311.58W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BELCO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	FERRA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	SLOTT (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
REMOVED FAC ONE.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/28/2009 **OFFICE:** AVN-120 **NAME:** JERRY MCCULLOUGH

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: JGIRL **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 324554.36N/0965621.63W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	NOBLY (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TRISS (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 1 FROM FIX MAKE-UP FACILITIES.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/04/2009 **OFFICE:** AVN-120 **NAME:** PATRICK HARRINGTON

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LOWGN **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 332702.70N/0971459.29W **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	348.00	354.00	33.80	33.80		4000	17500
2	BOWIE	UKW	VORTAC	H	093.92	099.92		29.13		4000	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXOMA	1, 2		KGKY	ARLINGTON	TX (US)
DP	TEXOMA	1, 2		KADS	DALLAS	TX (US)
DP	KRUMM	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KRBD	DALLAS	TX (US)
DP	TEXOMA	1, 2		KTKI	DALLAS	TX (US)
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	KRUMM	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDTO	DENTON	TX (US)
DP	TEXOMA	1, 2		KAFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFTW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFWS	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KNFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA	1, 2		KLNC	LANCASTER	TX (US)
DP	TEXOMA	1, 2		KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 3 FROM FIX MAKE-UP FACILITIES.
ADDED DIST FROM FAC NM TO FAC 1 AND FAC 2.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/13/2009 **OFFICE:** AVN-120 **NAME:** PATRICK HARRINGTON

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: NAVYE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 324657.75N/0965942.05W **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
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	NOBLY (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TRISS (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 1 FROM FIX MAKE-UP FACILITIES.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/04/2009 **OFFICE:** AVN-120 **NAME:** PATRICK HARRINGTON

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: RYNNE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 330913.30N/0970355.92W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC 1 FROM FIX MAKE-UP FACILITIES.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/12/2009 **OFFICE:** AVN-120 **NAME:** PATRICK HARRINGTON

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: TIKYS **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 340359.93N/0962533.53W **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	022.00	028.00	80.00	80.00		8000	45000
2	ARDMORE	ADM	VORTAC	H	097.00	103.00		37.98		8000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FUZ	VORTAC	R-022	80	8000	15200

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

REMARKS:
RANGER (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXOMA	1, 2		KGKY	ARLINGTON	TX (US)
DP	TEXOMA	1, 2		KADS	DALLAS	TX (US)
DP	KRUMM	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KRBD	DALLAS	TX (US)
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDTO	DENTON	TX (US)
DP	TEXOMA	1, 2		KAFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFTW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFWS	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KNFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA	1, 2		KLNC	LANCASTER	TX (US)
DP	TEXOMA	1, 2		KTKI	MC KINNEY	TX (US)
DP	TEXOMA	1, 2		KHQZ	MESQUITE	TX (US)
IAP	RNAV (GPS) RWY 31			KADM	ARDMORE	OK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
CHANGED ESV MAX ALTITUDE FROM 45000 TO 15200.
ADDED FAC USED TO ESTABLISH FIX.

DEVELOPED BY: **DATE:** 09/28/2011 **OFFICE:** AJV-353 **NAME:** STEVEN BARNETT (DAVID DANNER)

APPROVED BY: **DATE:** 03/23/2012 **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: ADM TOWER
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: WILL ROGERS VORTAC **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 352130.95N/0973633.22W **TYPE:**

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	WILL ROGERS	IRW	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	IRW	VORTAC	119.84	299.84	R	1		3000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (40-000794)	352210.08N/0972739.86W	1953	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRING			KASG	SPRINGDALE	AR (US)
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
DP	TEXOMA			KGKY	ARLINGTON	TX (US)
DP	TEXOMA			KADS	DALLAS	TX (US)
DP	KRUMM			KDAL	DALLAS	TX (US)
DP	TEXOMA			KDAL	DALLAS	TX (US)
DP	TEXOMA			KRBD	DALLAS	TX (US)
DP	BLECO			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JACKY			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDTO	DENTON	TX (US)
DP	TEXOMA			KAFW	FORT WORTH	TX (US)
DP	TEXOMA			KFTW	FORT WORTH	TX (US)
DP	TEXOMA			KFWS	FORT WORTH	TX (US)
DP	TEXOMA			KNFW	FORT WORTH	TX (US)
DP	TEXOMA			KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA			KLNC	LANCASTER	TX (US)
DP	TEXOMA			KTKI	MC KINNEY	TX (US)
DP	TEXOMA			KHQZ	MESQUITE	TX (US)
EN ROUTE	J14					(US)
EN ROUTE	J20					(US)
EN ROUTE	J21					(US)
EN ROUTE	J23					(US)
EN ROUTE	J6					(US)
EN ROUTE	J74					(US)
EN ROUTE	J78					(US)
EN ROUTE	J98					(US)
EN ROUTE	V14					(US)
EN ROUTE	V17					(US)
EN ROUTE	V210					(US)
EN ROUTE	V272					(US)
EN ROUTE	V354					(US)
EN ROUTE	V436					(US)
EN ROUTE	V440					(US)
EN ROUTE	V507					(US)
EN ROUTE	V573					(US)
EN ROUTE	V77					(US)
IAP	VOR/DME-A			KCHK	CHICKASHA	OK (US)
IAP	RNAV (GPS) RWY 17			KRQO	EL RENO	OK (US)
IAP	RNAV (GPS) RWY 35			KRQO	EL RENO	OK (US)
IAP	VOR/DME RWY 35			KRQO	EL RENO	OK (US)
IAP	ILS OR LOC RWY 35			KWDG	ENID	OK (US)
IAP	VOR RWY 17			KWDG	ENID	OK (US)
IAP	VOR RWY 35			KWDG	ENID	OK (US)
IAP	VOR/DME RWY 31			K1K4	GOLDSBY	OK (US)
IAP	ILS OR LOC RWY 17			KOUN	NORMAN	OK (US)
IAP	LOC RWY 03			KOUN	NORMAN	OK (US)

QUALITY 3 CHECKED

IAP	NDB RWY 03		KOUN	NORMAN	OK (US)
IAP	NDB RWY 35		KOUN	NORMAN	OK (US)
IAP	LOC RWY 17		KHSD	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 17		KHSD	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17L		KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17R		KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 35R		KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC/DME RWY 35L		KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS RWY 35R (CAT II)		KOKC	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 17L		KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17L		KPWA	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 35R		KPWA	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) RWY 35R		KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 17L		KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 35R		KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR-A		KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR-B	1	KRCE	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17		KSNL	SHAWNEE	OK (US)
STAR	GULLI		KOKC	OKLAHOMA CITY	OK (US)
STAR	FINGR		KDAL	DALLAS	TX (US)
STAR	GREGS		KDAL	DALLAS	TX (US)
STAR	BOWIE		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MASTY		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MOTZA		KAFW	FORT WORTH	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
ADDED ENROUTE HIGH TO REQUIRED CHARTING.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/18/2011 **OFFICE:** AVN-120 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** 07/11/2011 **OFFICE:** AVN-120 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: OKC APP CON, OKC ATCT
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: YAMEL **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 324555.70N/0970828.05W **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
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	FERRA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	SLOTT (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
DELETED FAC ONE.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/28/2009 **OFFICE:** AVN-120 **NAME:** JERRY MCCULLOUGH

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

QUALITY CHECKED 3

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: ZEMMA **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 342301.81N/0965924.01W **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	360.00	006.00	90.00	90.00		9000	45000
2	TEXOMA	URH	VOR/DME	L	306.65	311.65		39.75		9000	45000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXOMA	1, 2		KGKY	ARLINGTON	TX (US)
DP	TEXOMA	1, 2		KADS	DALLAS	TX (US)
DP	KRUMM	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KDAL	DALLAS	TX (US)
DP	TEXOMA	1, 2		KRBD	DALLAS	TX (US)
DP	AKUNA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	GRABE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JACKY			KDFW	DALLAS-FORT WORTH	TX (US)
DP	LOWGN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KDTO	DENTON	TX (US)
DP	TEXOMA	1, 2		KAFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFTW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KFWS	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KNFW	FORT WORTH	TX (US)
DP	TEXOMA	1, 2		KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA	1, 2		KLNC	LANCASTER	TX (US)
DP	TEXOMA	1, 2		KTKI	MC KINNEY	TX (US)
DP	TEXOMA	1, 2		KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 04/08/2010

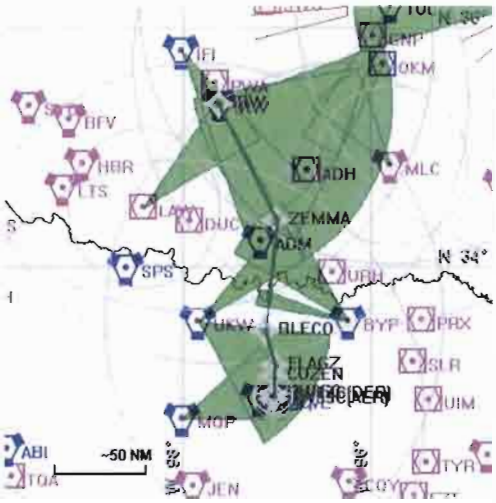
REASON FOR REVISION:
DELETED FAC 3.
UPDATED FIX USE.
ADDED FAC 1 DIST FROM FAC 90.00 NM.
ADDED FAC 2 DIST FROM FAC 39.75 NM.

DEVELOPED BY: **DATE:** 11/17/2009 **OFFICE:** AVN-120 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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



Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 7:58:28 AM
Input File:	BLECO RW35C IRW 2011...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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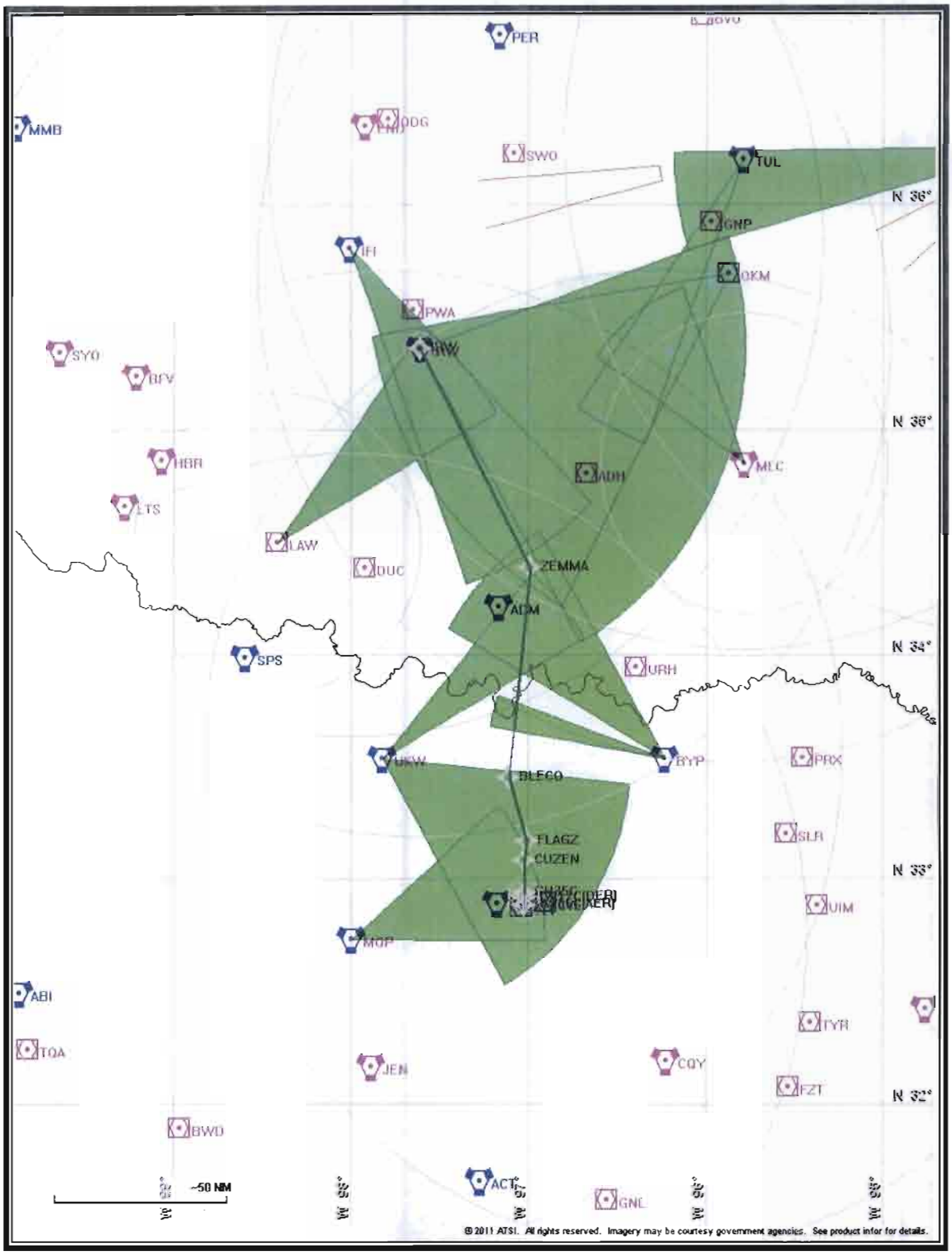
PER
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BYP
PRX
BLECO
FLAGZ
CUZEN
SLR
UIM
MOP
ABI
TQA
TYR
JEN
CQY
FZT
BWD
ACT
GNL
N 36°
N 35°
N 34°
N 33°
N 32°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW35C(...	WP	N 32° 52' 43.96" W 97° 1' 34.22"	562.2	VNAV	0.0	Fly Over	TF
RW17C(...	WP	N 32° 54' 56.55" W 97° 1' 33.49"	596.9	VNAV	130.0	Fly Over	VA
GH35C	WP	N 32° 56' 2.09" W 97° 1' 33.14"	1107.0	VNAV	145.0	Fly Over	DF
CUZEN	WP	N 33° 4' 39.55" W 97° 1' 30.12"	5000.0	VNAV	240.0	Fly By	TF
FLAGZ	WP	N 33° 9' 45.88" W 97° 0' 37.41"	6029.8	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	11000.0	VNAV	210.0	Fly By	TF
IRW	WP	N 35° 21' 30.95" W 97° 36' 33.22"	11000.0	VNAV	210.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -23.05 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

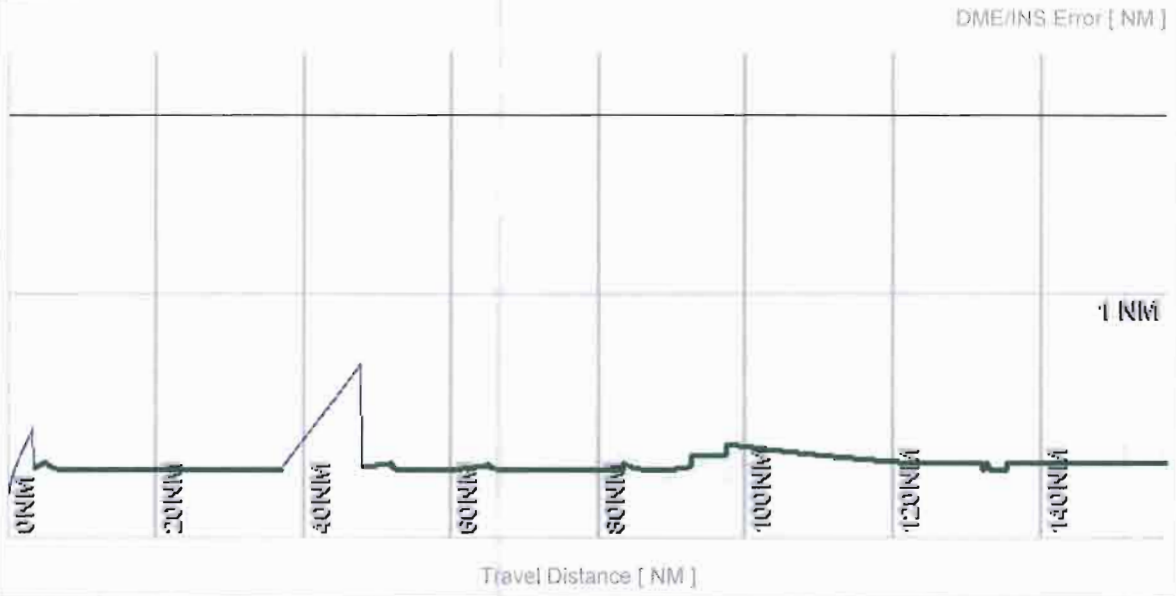
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1236 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.715 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM, IFI, IRW, LAW, PWA



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.715	Enabled	5.5 %	3.3 %
2	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.715	Enabled	1.7 %	1.0 %
3	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.719	Enabled	24.0 %	20.4 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.420	Enabled	31.8 %	29.7 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.877	Enabled	16.4 %	17.0 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.920	Enabled	22.9 %	23.0 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	8.5 %	8.5 %
8	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	1.487	Enabled	32.8 %	39.3 %
9	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.715	Enabled	19.8 %	23.7 %
10	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L + ESV	User	NO	0.715	Enabled	1.5 %	1.8 %
11	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.715	Enabled	4.7 %	5.6 %
12	PWA	N 35° 31' 58.60" W 97° 38' 49.84"	T	Database	NO	0.715	Enabled	7.3 %	8.8 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2						
3.3	CVE	FUZ	TTT	UKW		
11.8	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.5	CVE	FUZ	TTT	UKW	ADM	
44.5	BYP	OKM	URH	UKW	ADM	
90.4	BYP	OKM	IRW	IFI	ADM	
122.5	LAW	OKM	IRW	IFI	PWA	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 43.96" W 97° 1' 34.22"	N 32° 56' 3.61" W 97° 1' 33.13"	3.3
	VOR: CVE	Available from N 32° 52' 43.96" W 97° 1' 34.22" to N 32° 56' 3.61" W 97° 1' 33.13"	
	VOR: FUZ	Available from N 32° 52' 43.96" W 97° 1' 34.22" to N 32° 56' 3.61" W 97° 1' 33.13"	
	VOR: TTT	Available from N 32° 52' 43.96" W 97° 1' 34.22" to N 32° 56' 3.61" W 97° 1' 33.13"	
2	N 33° 28' 58.66" W 97° 6' 18.43"	N 33° 39' 46.22" W 97° 4' 56.20"	10.8
	VOR: CVE	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 32' 14.59" W 97° 5' 53.56"	
	VOR: FUZ	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 33' 11.04" W 97° 5' 46.39"	
	VOR: TTT	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 32' 4.63" W 97° 5' 54.82"	
	VOR: UKW	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 39' 46.22" W 97° 4' 56.20"	
	VOR: ADM	Available from N 33° 32' 47.80" W 97° 5' 49.34" to N 33° 39' 46.22" W 97° 4' 56.20"	
	VOR: URH	Available from N 33° 36' 56.86" W 97° 5' 17.71" to N 33° 39' 46.22" W 97° 4' 56.20"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
		ESV: Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
		ESV: Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
		ESV: Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
		ESV: Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
		Restriction: Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
		Restriction: Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
		ESV: Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

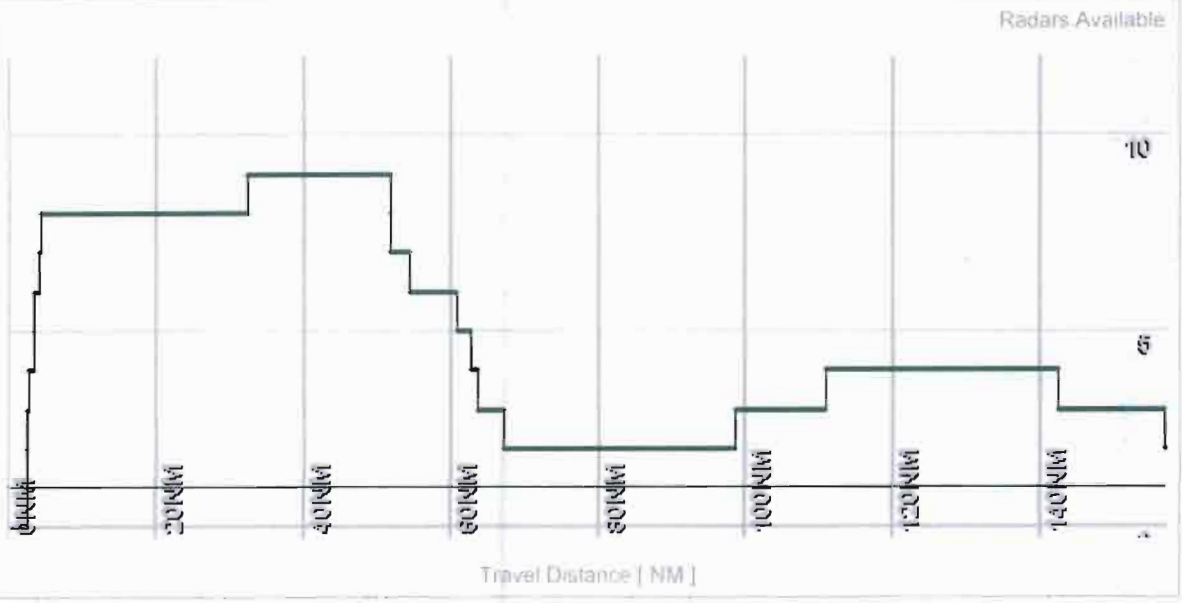
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used

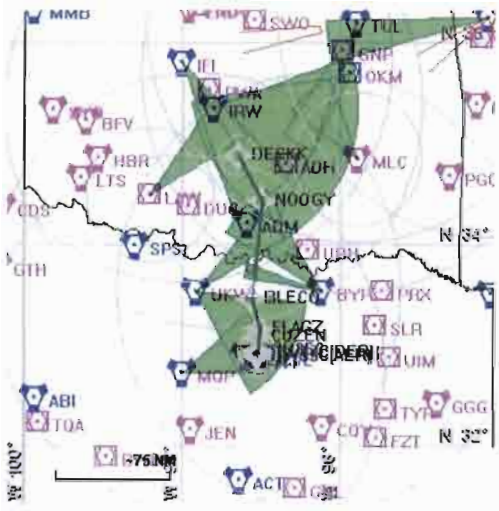
ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°	Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/6/2011 12:16:51 PM
Input File:	BLECO RW35C DECKK 20...
Databases:	AVNIS Date: 08/26/2011 NFD Date: 07/02/2009 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ **Please Check Flyability Results**
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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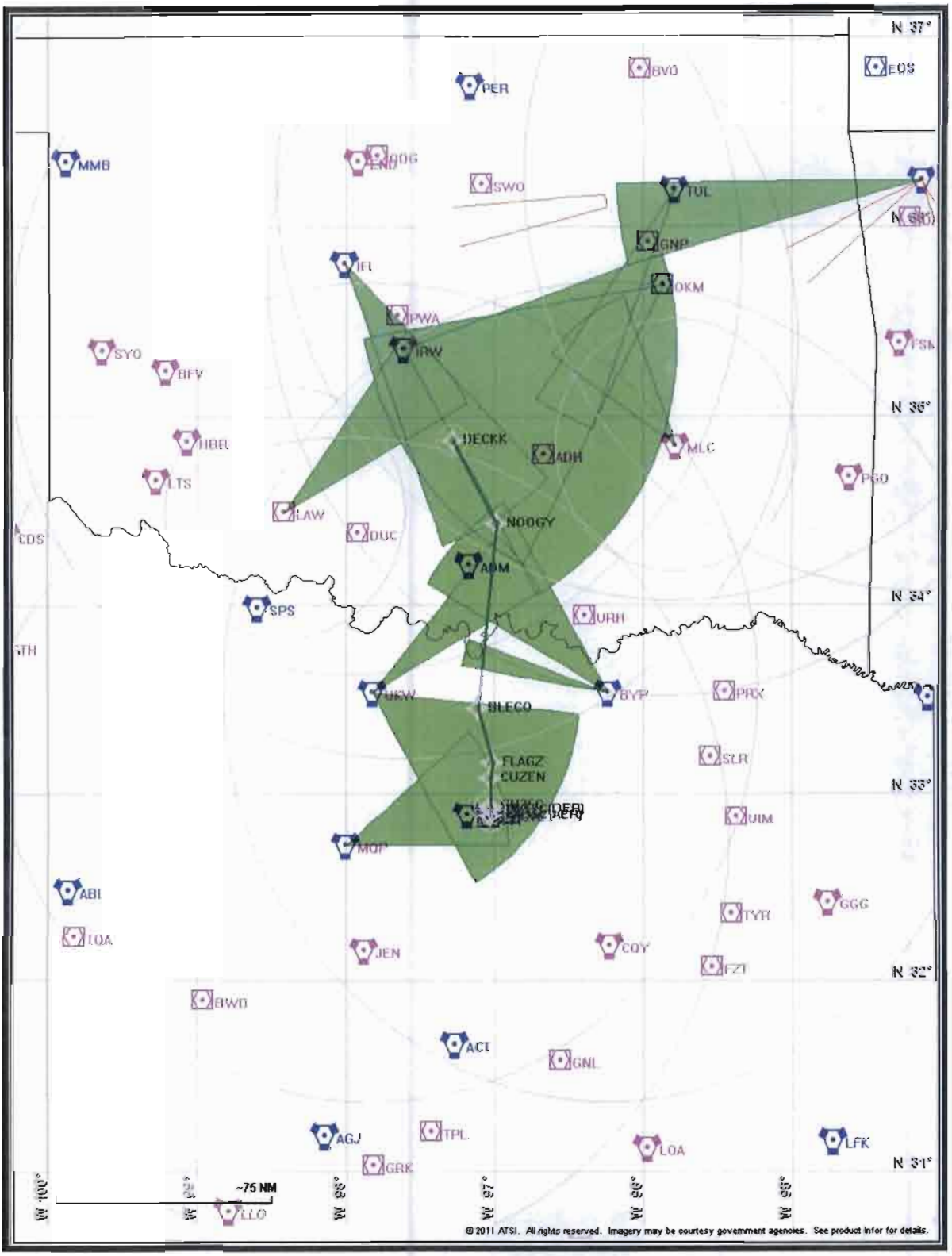
N 37°
N 36°
N 34°
N 33°
N 32°
N 31°
W 100°
W 99°
W 98°
W 97°
W 96°
W 95°
~75 NM
PER
BVO
EOS
MMB
SWO
TUL
GNP
IFI
OKM
PWA
IRW
SYO
BFV
HBR
LTS
DECKK
ADH
MLC
PGO
LAW
DUC
NOOGY
ADM
SPS
URH
BYP
PRX
BLECO
FLAGZ
CUZEN
SLR
UIM
MOP
ABI
TYR
GGG
JEN
COY
FZT
BWD
ACT
GNL
AGJ
TPL
LOA
LFK
GRK
LLO
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW35C(...	WP	N 32° 52' 43.96" W 97° 1' 34.22"	562.2	VNAV	0.0	Fly Over	TF
RW17C(...	WP	N 32° 54' 56.55" W 97° 1' 33.49"	596.9	VNAV	130.0	Fly Over	VA
GH35C	WP	N 32° 56' 2.09" W 97° 1' 33.14"	1107.0	VNAV	145.0	Fly Over	DF
CUZEN	WP	N 33° 4' 39.55" W 97° 1' 30.12"	5000.0	VNAV	240.0	Fly By	TF
FLAGZ	WP	N 33° 9' 45.88" W 97° 0' 37.41"	6029.8	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
NOOGY	WP	N 34° 25' 39.22" W 96° 59' 3.44"	18000.0	VNAV	240.0	Fly By	TF
DECKK	WP	N 34° 52' 22.12" W 97° 16' 51.92"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -23.05 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

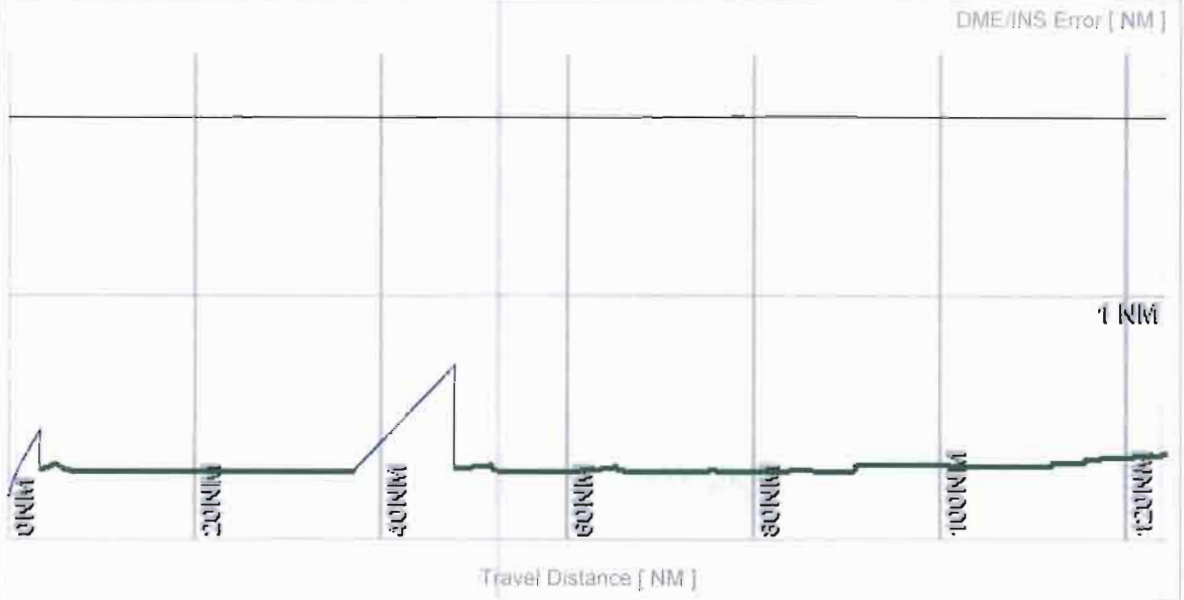
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1236 Ft.

Total Number of DMEs Used: 11

Maximum DME Error: 0.715 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, SPS, IRW, OKM, IFI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.715	Enabled	7.1 %	4.1 %
2	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.715	Enabled	2.2 %	1.3 %
3	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.719	Enabled	31.2 %	25.8 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.420	Enabled	39.1 %	37.8 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.857	Enabled	17.3 %	20.4 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.857	Enabled	24.5 %	28.3 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.715	Enabled	9.2 %	10.7 %
8	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.715	Enabled	15.3 %	18.9 %
9	SPS	N 33° 59' 14.23" W 98° 35' 36.50"	H	Database	NO	0.715	Enabled	20.1 %	25.0 %
10	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.715	Enabled	2.3 %	2.9 %
11	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.715	Enabled	1.5 %	1.9 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2						
3.3	CVE	FUZ	TTT	UKW		
11.8	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.5	CVE	FUZ	TTT	UKW	ADM	
44.5	CVE	BYP	URH	UKW	ADM	TTT
74.9	IRW	BYP	SPS	UKW	ADM	FUZ
92.9	IRW	IFI	SPS	UKW	ADM	BYP
114.0	BYP	IFI	SPS	UKW	OKM	IRW

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 43.96" W 97° 1' 34.22"	N 32° 56' 3.61" W 97° 1' 33.13"	3.3
	VOR: CVE	Available from N 32° 52' 43.96" W 97° 1' 34.22" to N 32° 56' 3.61" W 97° 1' 33.13"	
	VOR: FUZ	Available from N 32° 52' 43.96" W 97° 1' 34.22" to N 32° 56' 3.61" W 97° 1' 33.13"	
	VOR: TTT	Available from N 32° 52' 43.96" W 97° 1' 34.22" to N 32° 56' 3.61" W 97° 1' 33.13"	
2	N 33° 28' 58.66" W 97° 6' 18.43"	N 33° 39' 46.21" W 97° 4' 56.15"	10.8
	VOR: CVE	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 32' 14.59" W 97° 5' 53.55"	
	VOR: FUZ	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 33' 11.04" W 97° 5' 46.37"	
	VOR: TTT	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 32' 4.63" W 97° 5' 54.81"	
	VOR: UKW	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 39' 46.21" W 97° 4' 56.15"	
	VOR: ADM	Available from N 33° 32' 47.80" W 97° 5' 49.33" to N 33° 39' 46.21" W 97° 4' 56.15"	
	VOR: URH	Available from N 33° 36' 56.86" W 97° 5' 17.68" to N 33° 39' 46.21" W 97° 4' 56.15"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			

DME/DME (Continued.)

Return To Summary

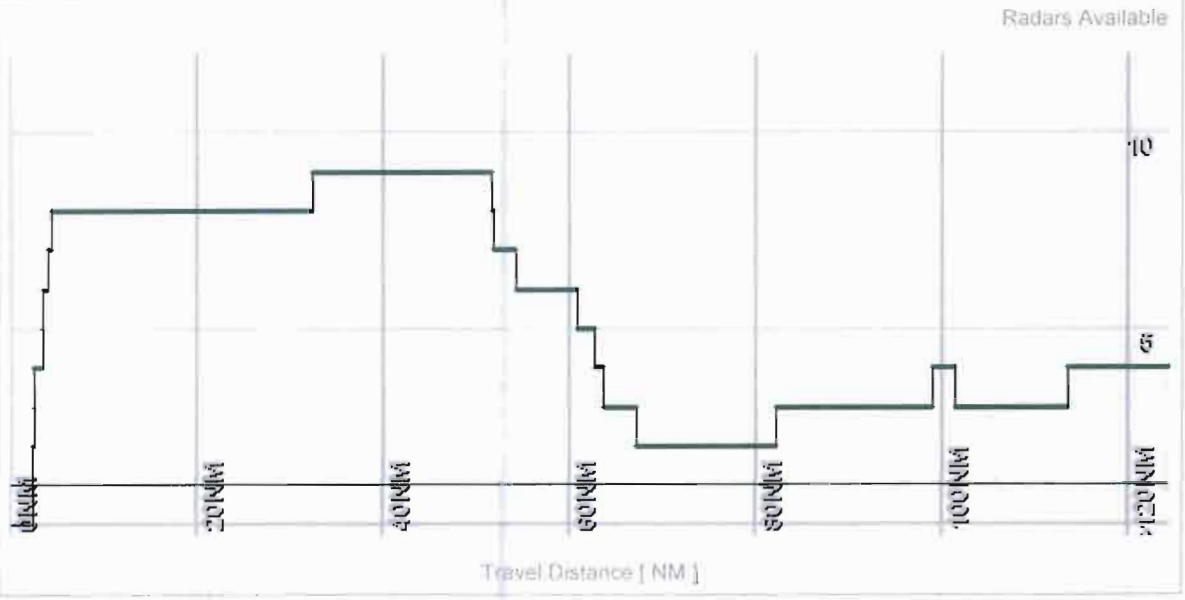
User DMEs (Continued.)

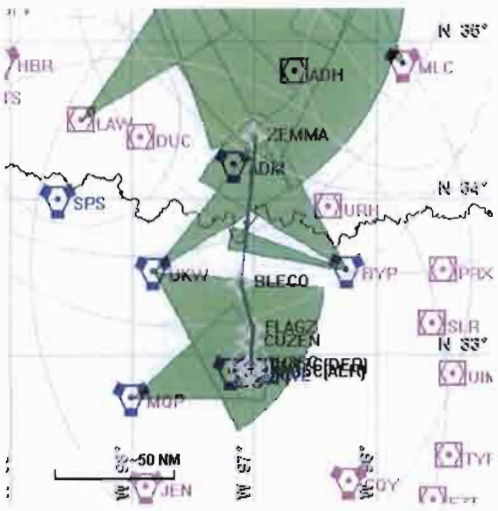
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
		ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
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Version:	2.35
Date/Time:	12/8/2011 8:25:50 AM
Input File:	BLECO RW35C ZEMMA 20...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ **Please Check Flyability Results**
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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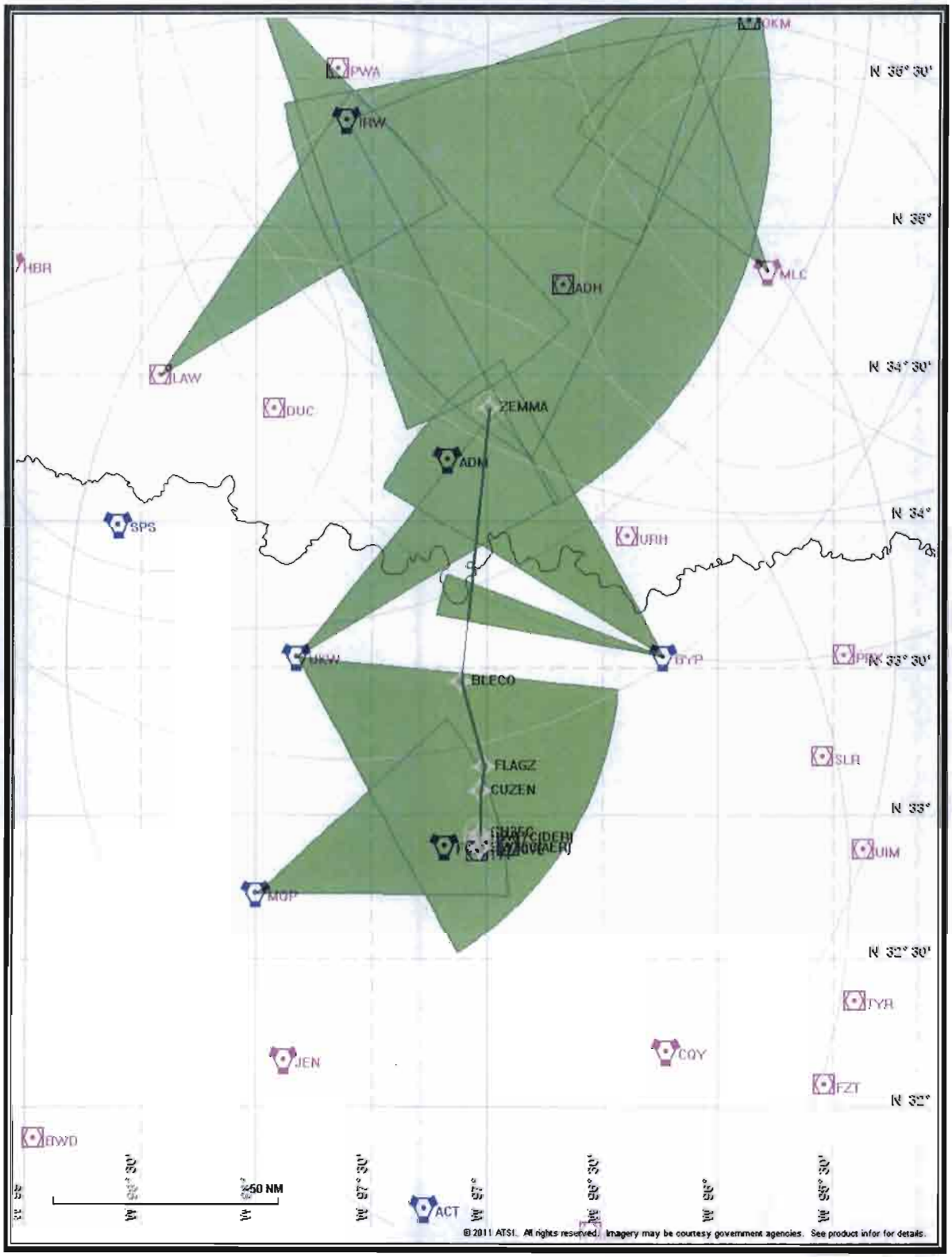
OKM
PWA
IRW
HBR
ADH
MLC
LAW
DUC
ZEMMA
ADM
SPS
URH
BYP
BLECO
FLAGZ
CUZEN
SLR
UIM
MQP
TYR
JEN
CQY
FZT
EDWD
ACT
50 NM
N 36° 30'
N 36°
N 34° 30'
N 34°
N 33° 30'
N 33°
N 32° 30'
N 32°
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW35C(...	WP	N 32° 52' 43.96" W 97° 1' 34.22"	562.2	VNAV	0.0	Fly Over	TF
RW17C(...	WP	N 32° 54' 56.55" W 97° 1' 33.49"	596.9	VNAV	130.0	Fly Over	VA
GH35C	WP	N 32° 56' 2.09" W 97° 1' 33.14"	1107.0	VNAV	145.0	Fly Over	DF
CUZEN	WP	N 33° 4' 39.55" W 97° 1' 30.12"	5000.0	VNAV	240.0	Fly By	TF
FLAGZ	WP	N 33° 9' 45.88" W 97° 0' 37.41"	6029.8	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	9000.0	VNAV	180.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -23.05 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

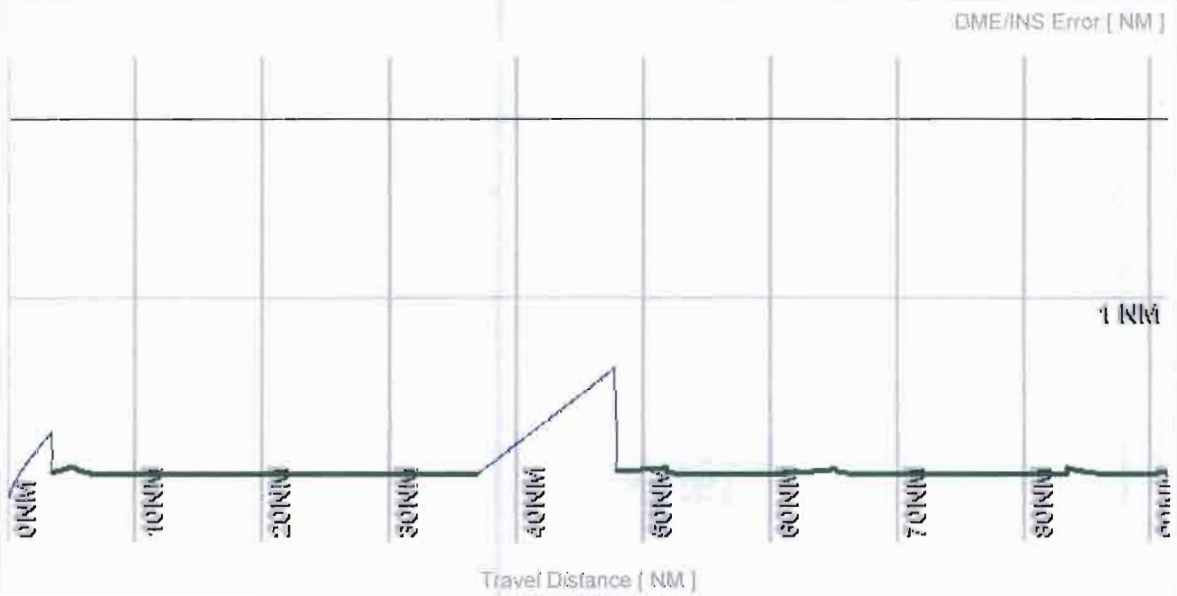
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1236 Ft.

Total Number of DMEs Used: 7

Maximum DME Error: 0.715 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.715	Enabled	8.4 %	5.6 %
2	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.715	Enabled	2.6 %	1.7 %
3	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.719	Enabled	36.9 %	35.1 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.420	Enabled	49.0 %	51.1 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.877	Enabled	20.2 %	22.6 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.920	Enabled	34.2 %	38.1 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	13.1 %	14.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2						
3.3	CVE	FUZ	TTT	UKW		
11.8	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.5	CVE	FUZ	TTT	UKW	ADM	
44.6	BYP	OKM	URH	UKW	ADM	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 43.96" W 97° 1' 34.22"	N 32° 56' 3.61" W 97° 1' 33.13"	3.3

VOR: CVE	Available from N 32° 52' 43.96" W 97° 1' 34.22" to N 32° 56' 3.61" W 97° 1' 33.13"
VOR: FUZ	Available from N 32° 52' 43.96" W 97° 1' 34.22" to N 32° 56' 3.61" W 97° 1' 33.13"
VOR: TTT	Available from N 32° 52' 43.96" W 97° 1' 34.22" to N 32° 56' 3.61" W 97° 1' 33.13"

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 33° 28' 58.66" W 97° 6' 18.43"	N 33° 39' 46.21" W 97° 4' 56.20"	10.8
	VOR: CVE	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 32' 14.59" W 97° 5' 53.56"	
	VOR: FUZ	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 33' 11.04" W 97° 5' 46.39"	
	VOR: TTT	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 32' 4.63" W 97° 5' 54.82"	
	VOR: UKW	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 39' 46.21" W 97° 4' 56.20"	
	VOR: ADM	Available from N 33° 32' 47.80" W 97° 5' 49.34" to N 33° 39' 46.21" W 97° 4' 56.20"	
	VOR: URH	Available from N 33° 36' 56.86" W 97° 5' 17.72" to N 33° 39' 46.21" W 97° 4' 56.20"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Not Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

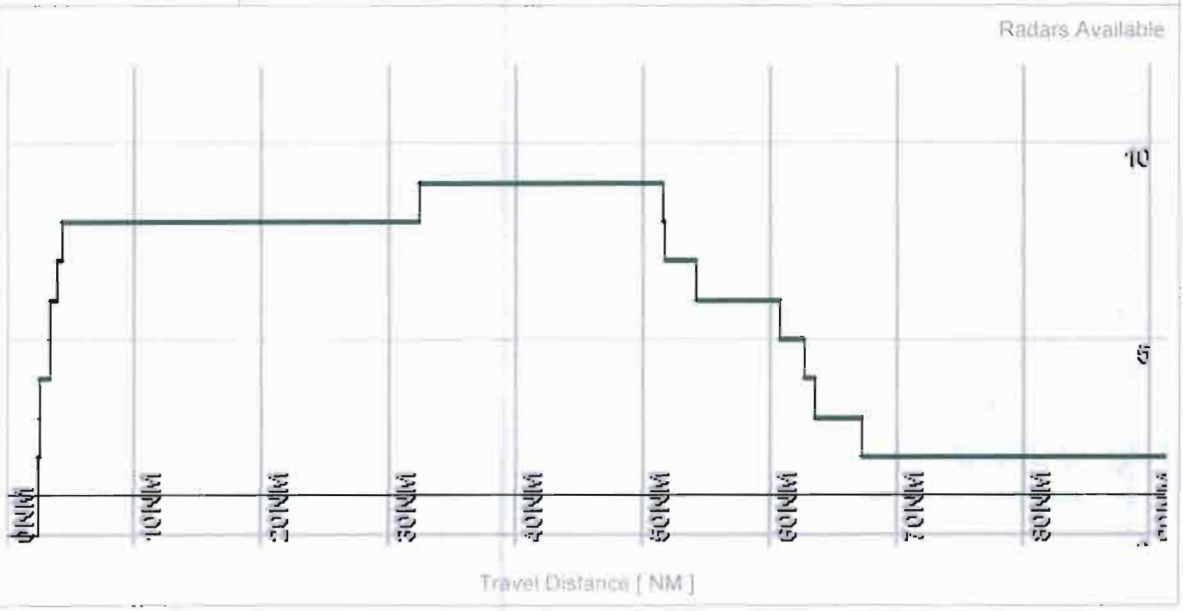
User DMEs (Continued.)

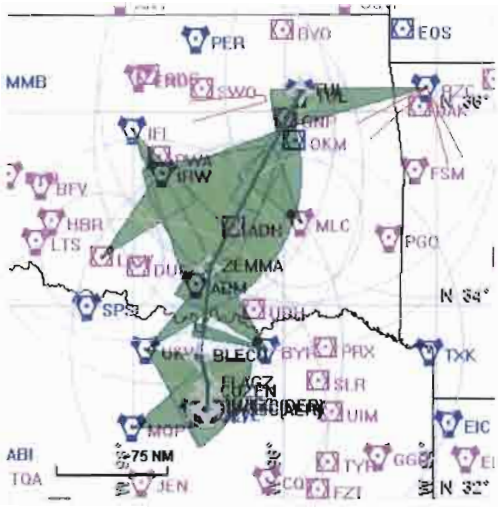
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Not Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
		Restriction: Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
		ESV: Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°			Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 8:17:55 AM
Input File:	BLECO RW35C TUL 2011...
Databases:	AVNIS Date: 08/26/2011 NFD Date: 07/02/2009 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ **Please Check Flyability Results**
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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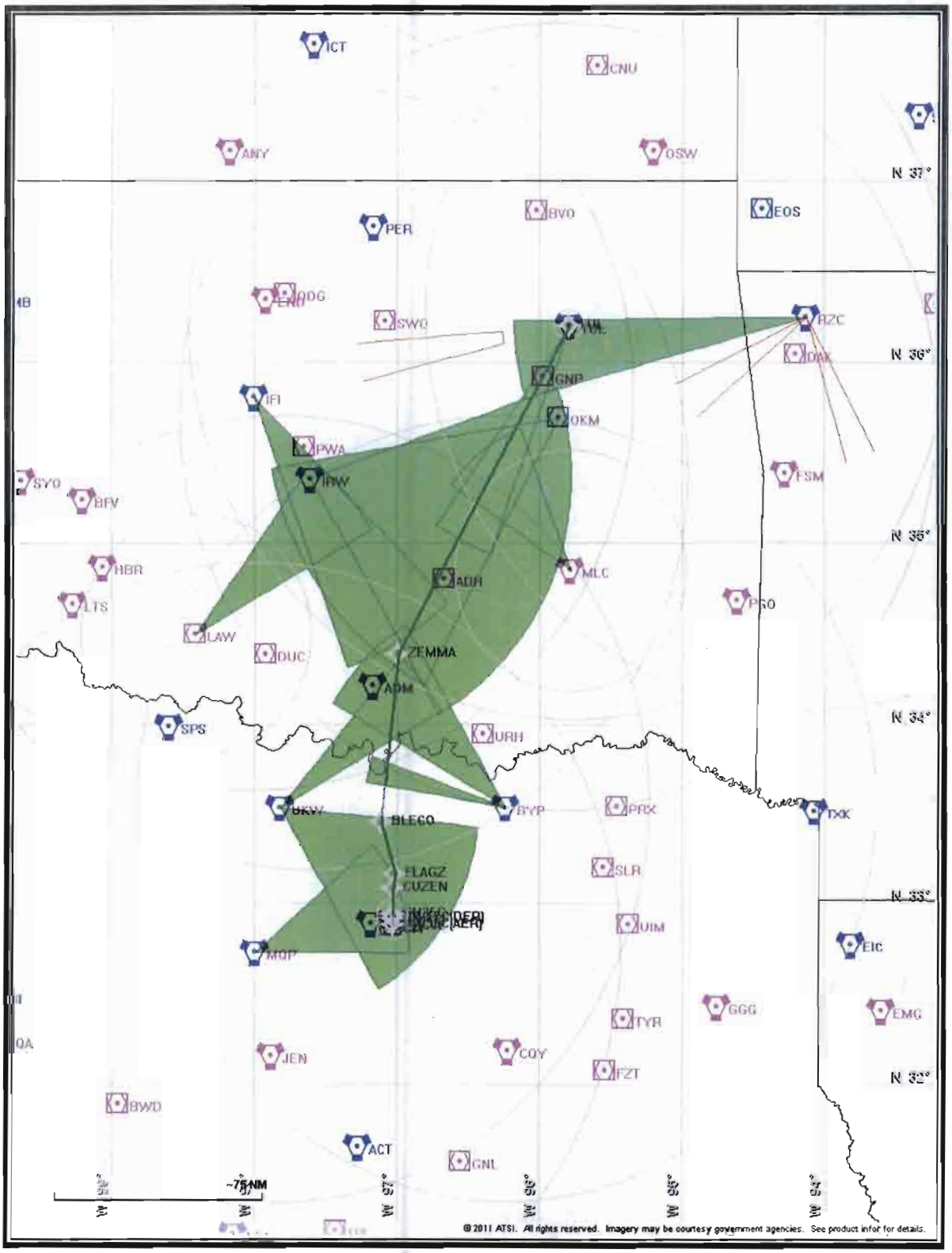
ICT
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SPS
URH
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BKW
BYP
PRX
TXK
BLECO
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FLAGZ
CUZEN
N 33°
UIM
MQP
EIC
GGG
EMG
TYR
JEN
COY
FZT
N 32°
BWD
ACT
GNL
~75 NM
W 98°
W 97°
W 96°
W 95°
W 94°
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW35C(...	WP	N 32° 52' 43.96" W 97° 1' 34.22"	562.2	VNAV	0.0	Fly Over	TF
RW17C(...	WP	N 32° 54' 56.55" W 97° 1' 33.49"	596.9	VNAV	130.0	Fly Over	VA
GH35C	WP	N 32° 56' 2.09" W 97° 1' 33.14"	1107.0	VNAV	145.0	Fly Over	DF
CUZEN	WP	N 33° 4' 39.55" W 97° 1' 30.12"	5000.0	VNAV	240.0	Fly By	TF
FLAGZ	WP	N 33° 9' 45.88" W 97° 0' 37.41"	6029.8	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	13000.0	VNAV	210.0	Fly By	TF
TUL	WP	N 36° 11' 46.54" W 95° 47' 17.11"	13000.0	VNAV	210.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -23.05 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1236 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.715 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM, ADH, IRW, IFI, TUL, MLC, RZC

DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.715	Enabled	4.3 %	2.4 %
2	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.715	Enabled	1.3 %	0.7 %
3	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.719	Enabled	18.8 %	14.9 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.420	Enabled	23.4 %	21.7 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.877	Enabled	11.3 %	12.3 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.909	Enabled	19.6 %	20.5 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.741	Enabled	6.5 %	6.2 %
8	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	1.436	Enabled	24.6 %	27.5 %
9	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.868	Enabled	38.3 %	42.8 %
10	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H + ESV	User	NO	1.046	Enabled	15.9 %	17.8 %
11	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L + ESV	User	NO	0.715	Enabled	8.5 %	9.5 %
12	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H + ESV	User	NO	1.012	Enabled	9.3 %	10.4 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2						
3.3	CVE	FUZ	TTT	UKW		
11.8	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.5	CVE	FUZ	TTT	UKW	ADM	
44.5	BYP	OKM	URH	UKW	ADM	
90.4	BYP	OKM	IRW	ADH	ADM	
105.8	ADM	OKM	IRW	IFI		
134.8	TUL	OKM	IRW	MLC	RZC	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 43.96" W 97° 1' 34.22"	N 32° 56' 3.61" W 97° 1' 33.13"	3.3
	VOR: CVE	Available from N 32° 52' 43.96" W 97° 1' 34.22" to N 32° 56' 3.61" W 97° 1' 33.13"	
	VOR: FUZ	Available from N 32° 52' 43.96" W 97° 1' 34.22" to N 32° 56' 3.61" W 97° 1' 33.13"	
	VOR: TTT	Available from N 32° 52' 43.96" W 97° 1' 34.22" to N 32° 56' 3.61" W 97° 1' 33.13"	
2	N 33° 28' 58.66" W 97° 6' 18.43"	N 33° 39' 46.22" W 97° 4' 56.20"	10.8
	VOR: CVE	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 32' 14.59" W 97° 5' 53.56"	
	VOR: FUZ	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 33' 11.04" W 97° 5' 46.39"	
	VOR: TTT	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 32' 4.63" W 97° 5' 54.82"	
	VOR: UKW	Available from N 33° 28' 58.66" W 97° 6' 18.43" to N 33° 39' 46.22" W 97° 4' 56.20"	
	VOR: ADM	Available from N 33° 32' 47.80" W 97° 5' 49.34" to N 33° 39' 46.22" W 97° 4' 56.20"	
	VOR: URH	Available from N 33° 36' 56.86" W 97° 5' 17.71" to N 33° 39' 46.22" W 97° 4' 56.20"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
		ESV: Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°			Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.		
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
		ESV: Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°			Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			

DME/DME (Continued.)

Return To Summary

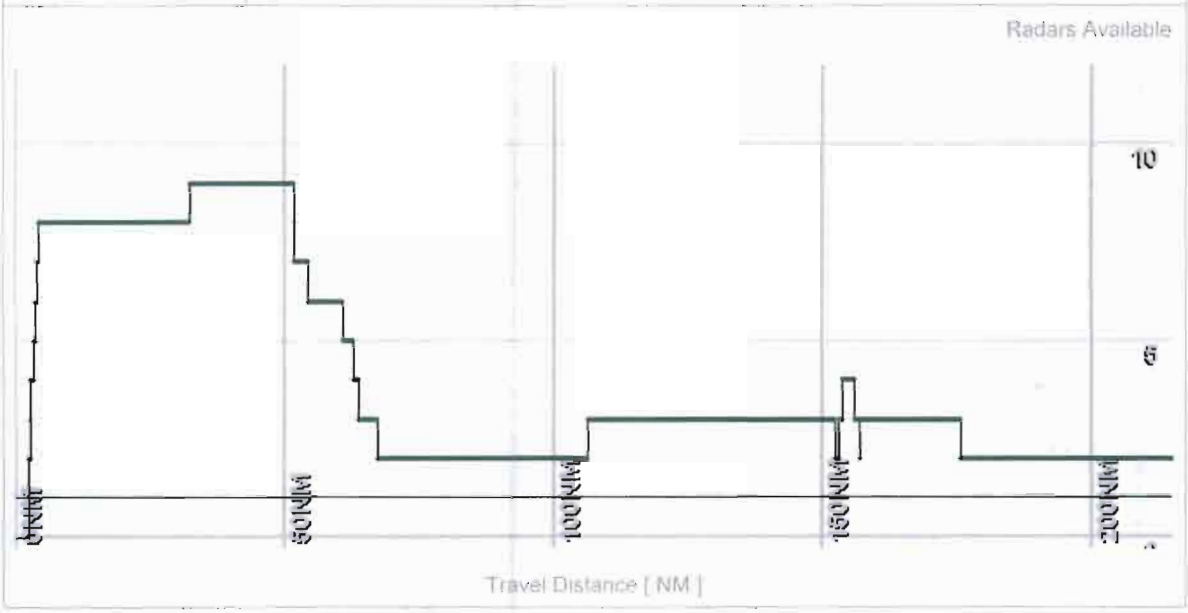
User DMEs (Continued.)

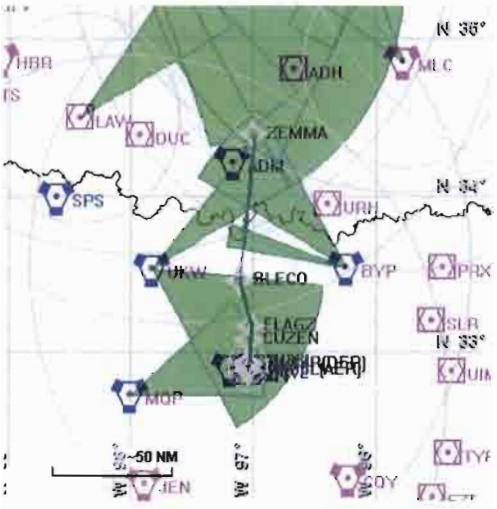
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
		ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 9:14:28 AM
Input File:	BLECO RW35L ZEMMA 20...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ **Please Check Flyability Results**
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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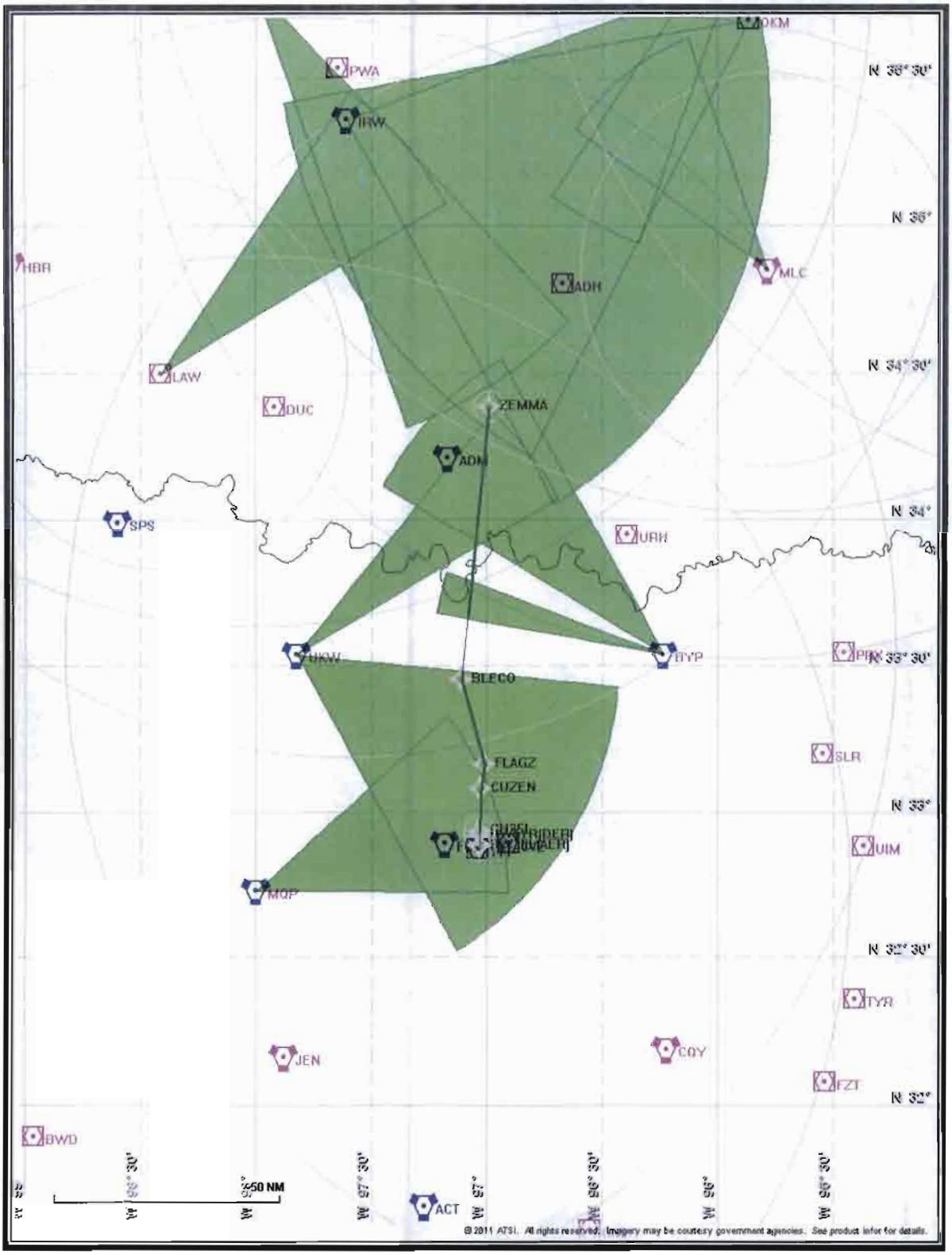
PWA
IRW
HBR
ADH
MLC
LAW
DUC
ZEMMA
ADM
SPS
URH
UKW
TYP
BLECO
FLAGZ
CUZEN
SLR
UIM
MQP
TYR
JEN
COY
FZT
BWD
ACT
50 NM
N 36° 30'
N 36°
N 34° 30'
N 34°
N 33° 30'
N 33°
N 32° 30'
N 32°
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW35L(...	WP	N 32° 52' 44.02" W 97° 1' 48.29"	563.3	VNAV	0.0	Fly Over	TF
RW17R(...	WP	N 32° 54' 56.60" W 97° 1' 47.58"	601.5	VNAV	130.0	Fly Over	VA
GH35L	WP	N 32° 56' 1.59" W 97° 1' 47.23"	1107.0	VNAV	145.0	Fly Over	DF
CUZEN	WP	N 33° 4' 39.55" W 97° 1' 30.12"	5000.0	VNAV	240.0	Fly By	TF
FLAGZ	WP	N 33° 9' 45.88" W 97° 0' 37.41"	6029.8	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	9000.0	VNAV	180.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -21.55 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

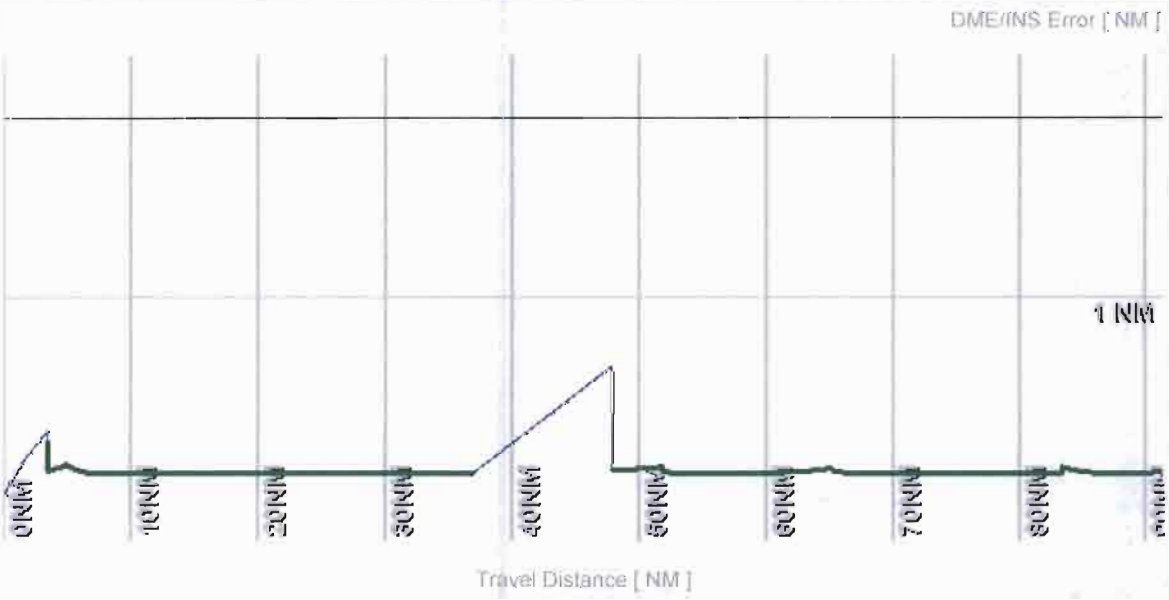
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1247 Ft.

Total Number of DMEs Used: 7

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	8.4 %	5.6 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.721	Enabled	37.0 %	35.2 %
3	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	2.5 %	1.6 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.422	Enabled	49.0 %	51.1 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.877	Enabled	20.2 %	22.5 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.920	Enabled	34.1 %	38.0 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	13.1 %	14.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2						
3.3	CVE	FUZ	TTT	UKW		
11.8	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.5	CVE	FUZ	TTT	UKW	ADM	
44.6	BYP	OKM	URH	UKW	ADM	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 44.02" W 97° 1' 48.29"	N 32° 56' 3.67" W 97° 1' 47.21"	3.3

VOR: CVE	Available from N 32° 52' 44.02" W 97° 1' 48.29" to N 32° 56' 3.67" W 97° 1' 47.21"
VOR: FUZ	Available from N 32° 52' 44.02" W 97° 1' 48.29" to N 32° 56' 3.67" W 97° 1' 47.21"
VOR: TTT	Available from N 32° 52' 44.02" W 97° 1' 48.29" to N 32° 56' 3.67" W 97° 1' 47.21"

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 33° 28' 58.52" W 97° 6' 18.44"	N 33° 39' 49.40" W 97° 4' 55.79"	10.9
	VOR: CVE	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 32' 14.45" W 97° 5' 53.57"	
	VOR: FUZ	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 33' 10.90" W 97° 5' 46.41"	
	VOR: TTT	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 32' 4.49" W 97° 5' 54.84"	
	VOR: UKW	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 39' 49.40" W 97° 4' 55.79"	
	VOR: ADM	Available from N 33° 32' 47.66" W 97° 5' 49.36" to N 33° 39' 49.40" W 97° 4' 55.79"	
	VOR: URH	Available from N 33° 36' 56.72" W 97° 5' 17.73" to N 33° 39' 49.40" W 97° 4' 55.79"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Not Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

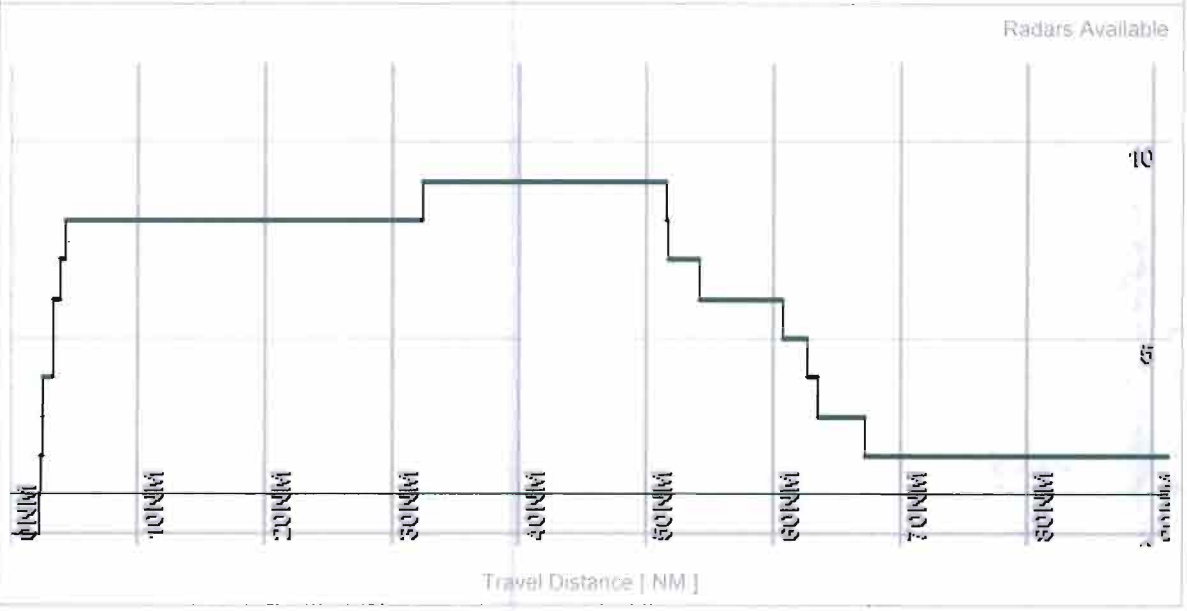
User DMEs (Continued.)

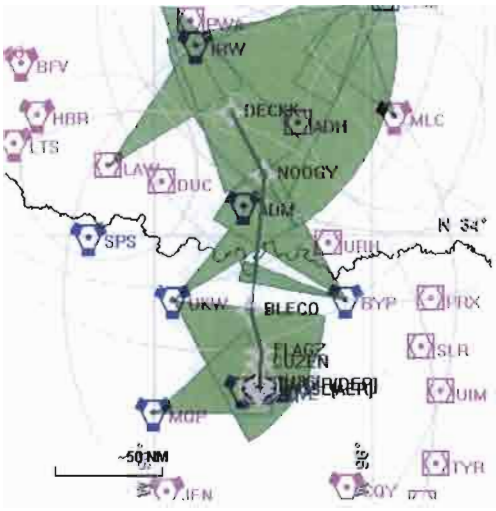
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Not Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
		Restriction: Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
		ESV: Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°			Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 8:36:20 AM
Input File:	BLECO RW35L DECKK 20...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ **Please Check Flyability Results**
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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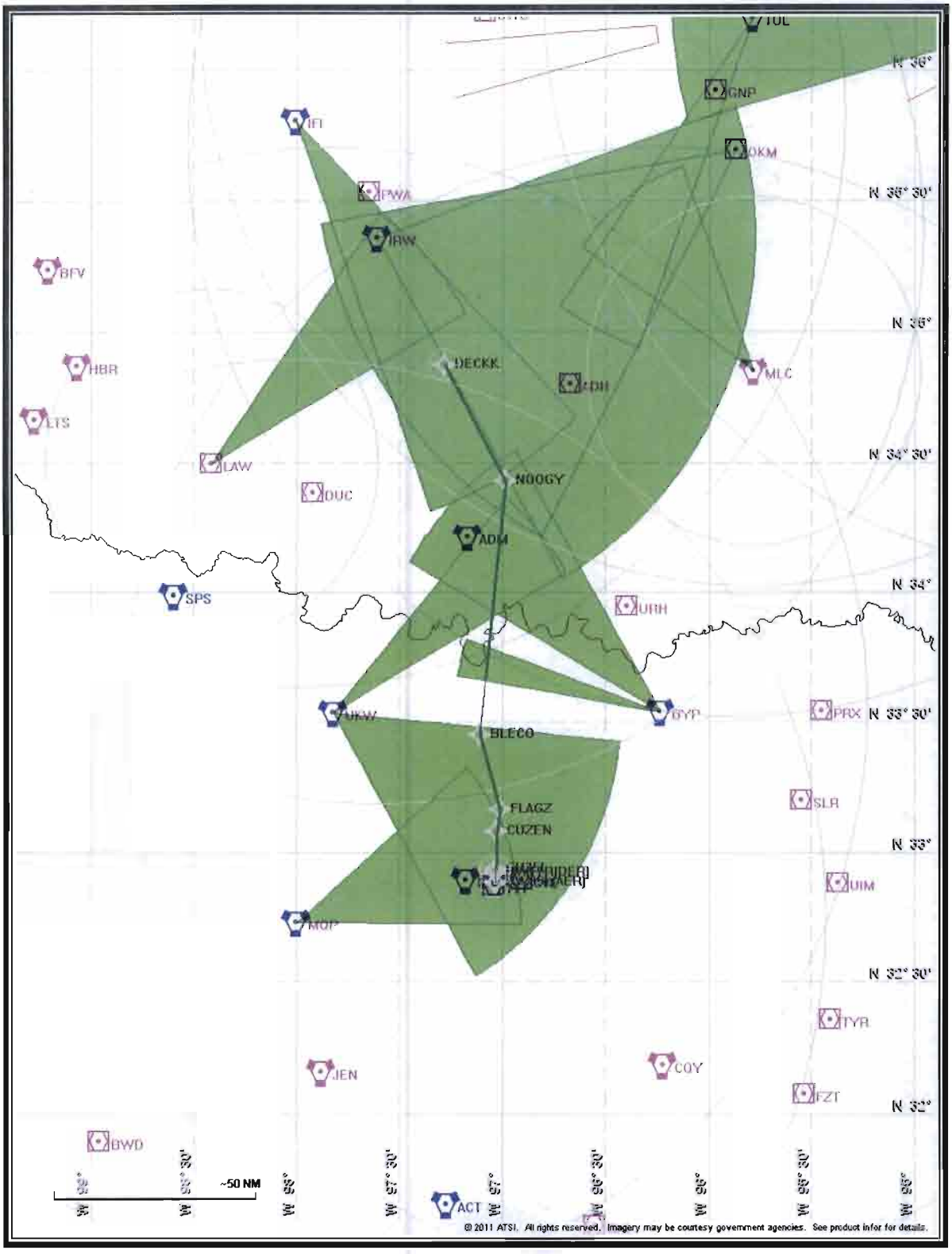
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GNP
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ABW
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GYP
PRX
FLAGZ
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BWD
ACT
N 36°
N 35° 30'
N 35°
N 34° 30'
N 34°
N 33° 30'
N 33°
N 32° 30'
N 32°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW35L(...	WP	N 32° 52' 44.02" W 97° 1' 48.29"	563.3	VNAV	0.0	Fly Over	TF
RW17R(...	WP	N 32° 54' 56.60" W 97° 1' 47.58"	601.5	VNAV	130.0	Fly Over	VA
GH35L	WP	N 32° 56' 1.59" W 97° 1' 47.23"	1107.0	VNAV	145.0	Fly Over	DF
CUZEN	WP	N 33° 4' 39.55" W 97° 1' 30.12"	5000.0	VNAV	240.0	Fly By	TF
FLAGZ	WP	N 33° 9' 45.88" W 97° 0' 37.41"	6029.8	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
NOOGY	WP	N 34° 25' 39.22" W 96° 59' 3.44"	18000.0	VNAV	240.0	Fly By	TF
DECKK	WP	N 34° 52' 22.12" W 97° 16' 51.92"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -21.55 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

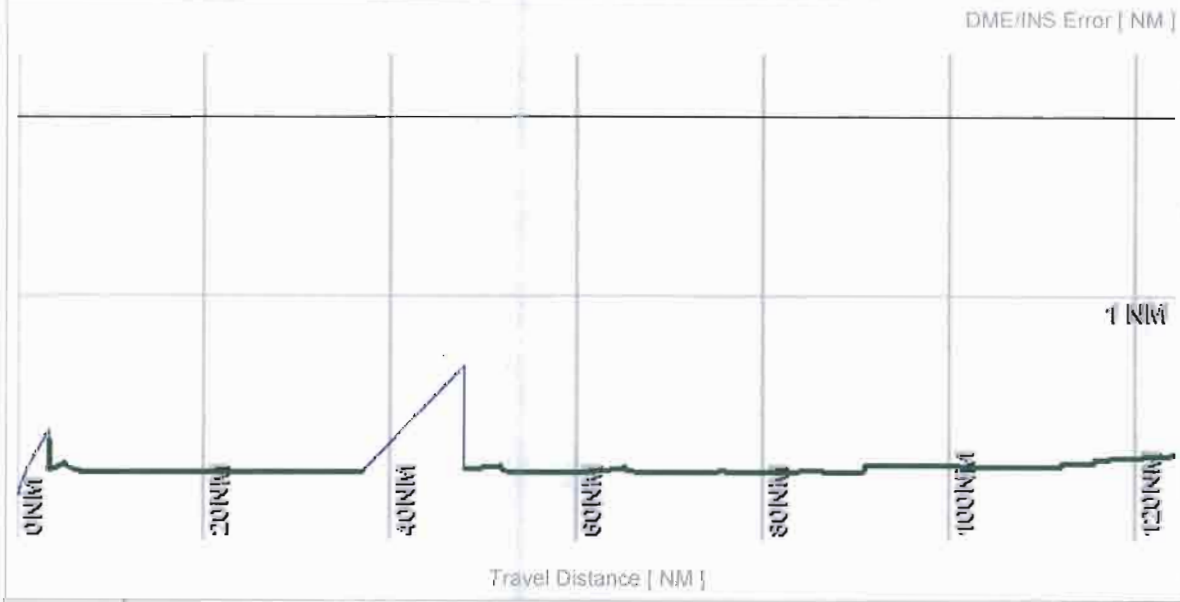
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1247 Ft.

Total Number of DMEs Used: 11

Maximum DME Error: 0.715 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, SPS, IRW, OKM, IFI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.715	Enabled	7.1 %	4.1 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.719	Enabled	31.3 %	25.8 %
3	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.715	Enabled	2.1 %	1.2 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.420	Enabled	39.2 %	37.8 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.857	Enabled	17.2 %	20.3 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.857	Enabled	24.5 %	28.3 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.715	Enabled	9.2 %	10.7 %
8	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.715	Enabled	15.4 %	19.0 %
9	SPS	N 33° 59' 14.23" W 98° 35' 36.50"	H	Database	NO	0.715	Enabled	20.1 %	25.0 %
10	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.715	Enabled	2.3 %	2.9 %
11	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.715	Enabled	1.5 %	1.9 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2						
3.3	CVE	FUZ	TTT	UKW		
11.8	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.5	CVE	FUZ	TTT	UKW	ADM	
44.5	CVE	BYP	URH	UKW	ADM	TTT
74.9	IRW	BYP	SPS	UKW	ADM	FUZ
92.9	IRW	IFI	SPS	UKW	ADM	BYP
114.0	BYP	IFI	SPS	UKW	OKM	IRW

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 44.02" W 97° 1' 48.29"	N 32° 56' 3.67" W 97° 1' 47.21"	3.3
	VOR: CVE	Available from N 32° 52' 44.02" W 97° 1' 48.29" to N 32° 56' 3.67" W 97° 1' 47.21"	
	VOR: FUZ	Available from N 32° 52' 44.02" W 97° 1' 48.29" to N 32° 56' 3.67" W 97° 1' 47.21"	
	VOR: TTT	Available from N 32° 52' 44.02" W 97° 1' 48.29" to N 32° 56' 3.67" W 97° 1' 47.21"	
2	N 33° 28' 58.52" W 97° 6' 18.44"	N 33° 39' 46.08" W 97° 4' 56.16"	10.8
	VOR: CVE	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 32' 14.45" W 97° 5' 53.56"	
	VOR: FUZ	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 33' 10.90" W 97° 5' 46.39"	
	VOR: TTT	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 32' 4.49" W 97° 5' 54.83"	
	VOR: UKW	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 39' 46.08" W 97° 4' 56.16"	
	VOR: ADM	Available from N 33° 32' 47.66" W 97° 5' 49.34" to N 33° 39' 46.08" W 97° 4' 56.16"	
	VOR: URH	Available from N 33° 36' 56.72" W 97° 5' 17.70" to N 33° 39' 46.08" W 97° 4' 56.16"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
		ESV: Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°			Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.		
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
		ESV: Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°			Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°			Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.		
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
		Restriction: Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

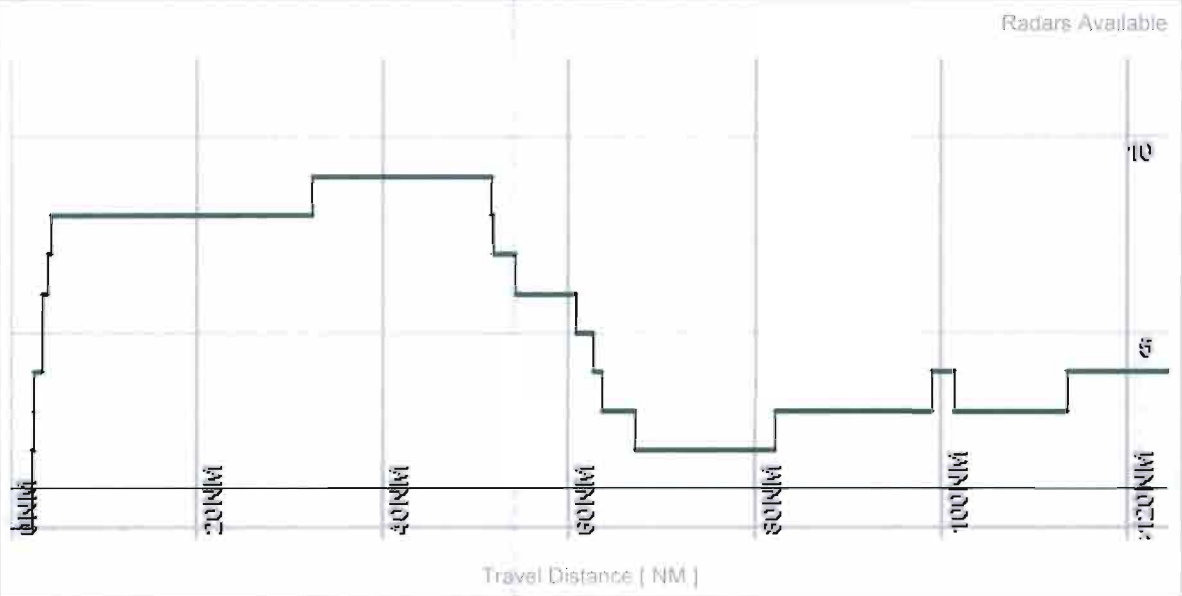
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used

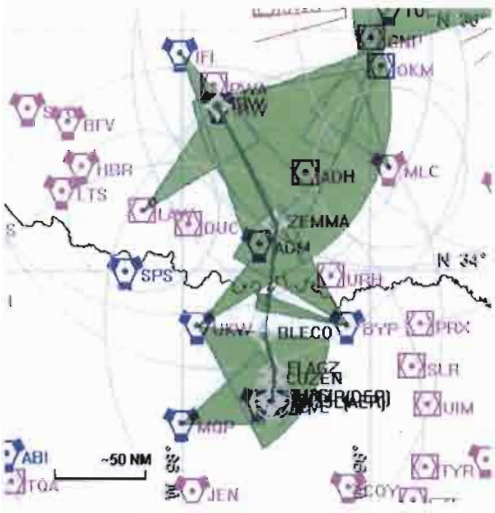
ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°	Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 8:49:26 AM
Input File:	BLECO RW35L IRW 2011...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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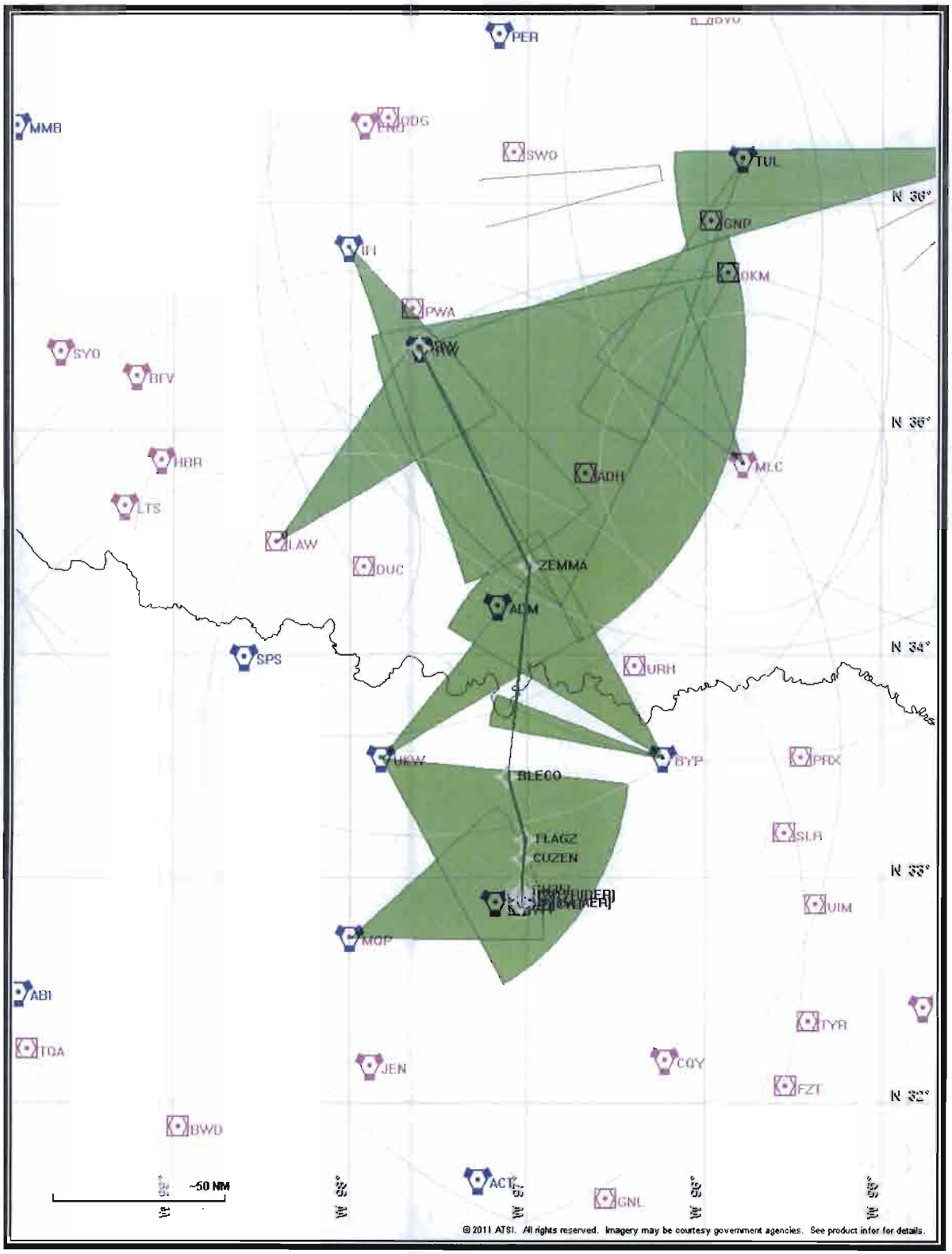
PER
MMB
SWO
TUL
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DUC
ZEMMA
ADM
SPS
URH
UEW
BYP
PRX
BLECO
SLR
FLAGZ
CUZEN
UIM
MQP
ABI
TQA
TYR
JEN
CQY
FZT
BWD
ACT
GNL
N 36°
N 35°
N 34°
N 33°
N 32°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW35L(...	WP	N 32° 52' 44.02" W 97° 1' 48.29"	563.3	VNAV	0.0	Fly Over	TF
RW17R(...	WP	N 32° 54' 56.60" W 97° 1' 47.58"	601.5	VNAV	130.0	Fly Over	VA
GH35L	WP	N 32° 56' 1.59" W 97° 1' 47.23"	1107.0	VNAV	145.0	Fly Over	DF
CUZEN	WP	N 33° 4' 39.55" W 97° 1' 30.12"	5000.0	VNAV	240.0	Fly By	TF
FLAGZ	WP	N 33° 9' 45.88" W 97° 0' 37.41"	6029.8	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	11000.0	VNAV	210.0	Fly By	TF
IRW	WP	N 35° 21' 30.95" W 97° 36' 33.22"	11000.0	VNAV	210.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -21.55 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

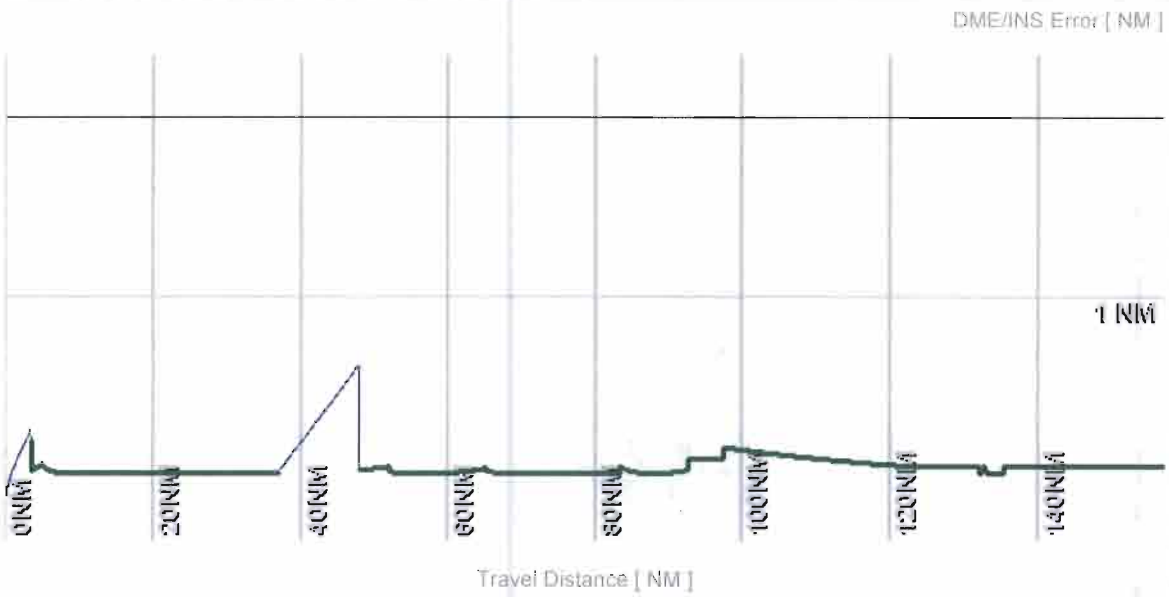
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1247 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM, IFI, IRW, LAW, PWA



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	5.4 %	3.2 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.721	Enabled	24.1 %	20.4 %
3	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	1.6 %	1.0 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.422	Enabled	31.8 %	29.7 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.877	Enabled	16.4 %	17.0 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.920	Enabled	22.9 %	22.9 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	8.5 %	8.5 %
8	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	1.489	Enabled	32.9 %	39.3 %
9	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	19.8 %	23.7 %
10	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L + ESV	User	NO	0.717	Enabled	1.5 %	1.8 %
11	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	4.6 %	5.6 %
12	PWA	N 35° 31' 58.60" W 97° 38' 49.84"	T	Database	NO	0.717	Enabled	7.3 %	8.8 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2						
3.3	CVE	FUZ	TTT	UKW		
11.8	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.5	CVE	FUZ	TTT	UKW	ADM	
44.5	BYP	OKM	URH	UKW	ADM	
90.4	BYP	OKM	IRW	IFI	ADM	
122.5	LAW	OKM	IRW	IFI	PWA	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 44.02" W 97° 1' 48.29"	N 32° 56' 3.67" W 97° 1' 47.21"	3.3
	VOR: CVE	Available from N 32° 52' 44.02" W 97° 1' 48.29" to N 32° 56' 3.67" W 97° 1' 47.21"	
	VOR: FUZ	Available from N 32° 52' 44.02" W 97° 1' 48.29" to N 32° 56' 3.67" W 97° 1' 47.21"	
	VOR: TTT	Available from N 32° 52' 44.02" W 97° 1' 48.29" to N 32° 56' 3.67" W 97° 1' 47.21"	
2	N 33° 28' 58.52" W 97° 6' 18.44"	N 33° 39' 49.40" W 97° 4' 55.79"	10.9
	VOR: CVE	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 32' 14.45" W 97° 5' 53.57"	
	VOR: FUZ	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 33' 10.90" W 97° 5' 46.41"	
	VOR: TTT	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 32' 4.49" W 97° 5' 54.84"	
	VOR: UKW	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 39' 49.40" W 97° 4' 55.79"	
	VOR: ADM	Available from N 33° 32' 47.66" W 97° 5' 49.36" to N 33° 39' 49.40" W 97° 4' 55.79"	
	VOR: URH	Available from N 33° 36' 56.72" W 97° 5' 17.73" to N 33° 39' 49.40" W 97° 4' 55.79"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			

DME/DME (Continued.)

Return To Summary

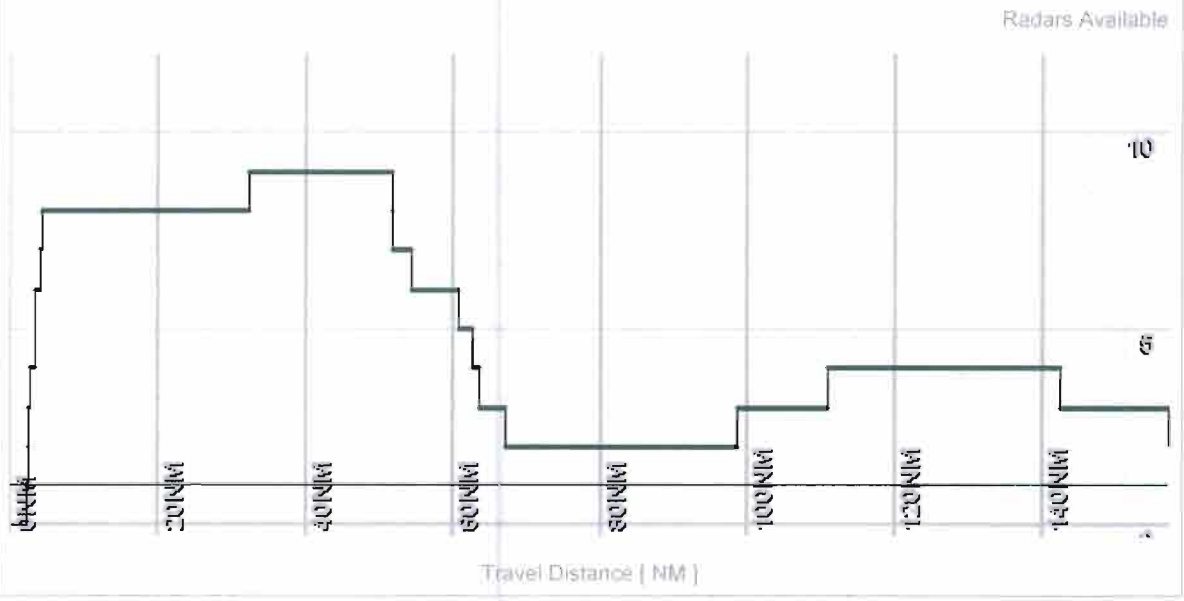
User DMEs (Continued.)

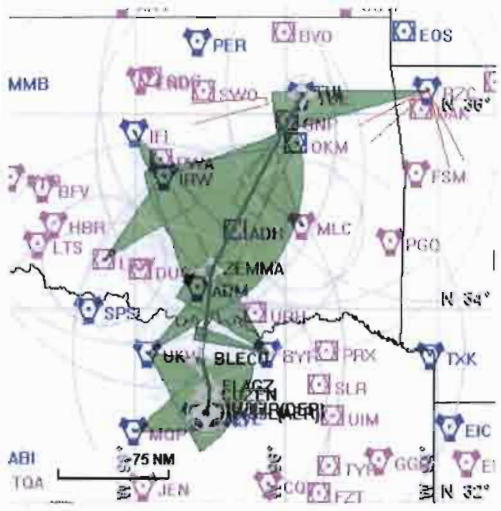
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
		ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 9:06:33 AM
Input File:	BLECO RW35L TUL 2011...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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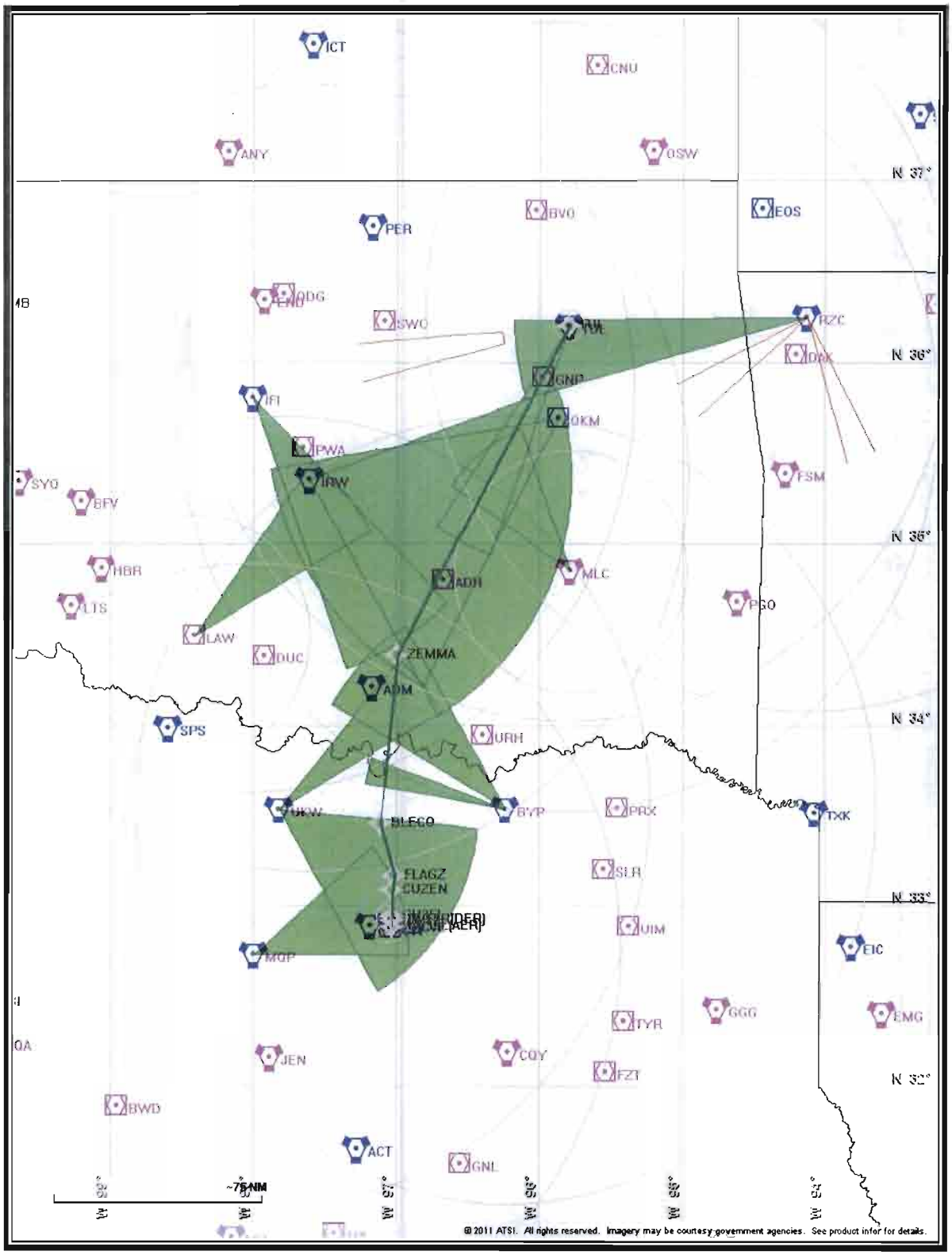
ICT
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TYR
JEN
COY
FZT
BWD
ACT
GNL
~75NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW35L(...	WP	N 32° 52' 44.02" W 97° 1' 48.29"	563.3	VNAV	0.0	Fly Over	TF
RW17R(...	WP	N 32° 54' 56.60" W 97° 1' 47.58"	601.5	VNAV	130.0	Fly Over	VA
GH35L	WP	N 32° 56' 1.59" W 97° 1' 47.23"	1107.0	VNAV	145.0	Fly Over	DF
CUZEN	WP	N 33° 4' 39.55" W 97° 1' 30.12"	5000.0	VNAV	240.0	Fly By	TF
FLAGZ	WP	N 33° 9' 45.88" W 97° 0' 37.41"	6029.8	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	13000.0	VNAV	210.0	Fly By	TF
TUL	WP	N 36° 11' 46.54" W 95° 47' 17.11"	13000.0	VNAV	210.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1107.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -21.55 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

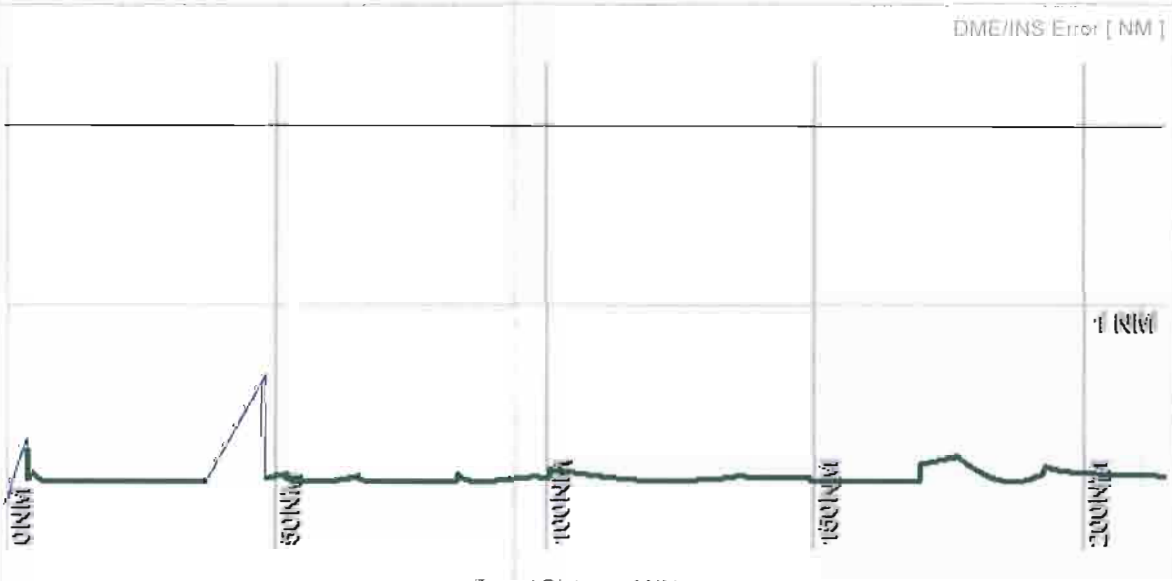
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1247 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM, ADH, IRW, IFI, TUL, MLC, RZC



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	4.2 %	2.4 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.721	Enabled	18.8 %	14.9 %
3	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	1.2 %	0.7 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.422	Enabled	23.4 %	21.7 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.877	Enabled	11.3 %	12.3 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.909	Enabled	19.6 %	20.4 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.741	Enabled	6.5 %	6.2 %
8	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	1.436	Enabled	24.6 %	27.5 %
9	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.868	Enabled	38.3 %	42.8 %
10	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H + ESV	User	NO	1.046	Enabled	15.9 %	17.8 %
11	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L + ESV	User	NO	0.717	Enabled	8.5 %	9.5 %
12	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H + ESV	User	NO	1.012	Enabled	9.3 %	10.4 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2						
3.3	CVE	FUZ	TTT	UKW		
11.8	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.5	CVE	FUZ	TTT	UKW	ADM	
44.5	BYP	OKM	URH	UKW	ADM	
90.4	BYP	OKM	IRW	ADH	ADM	
105.8	ADM	OKM	IRW	IFI		
134.8	TUL	OKM	IRW	MLC	RZC	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 44.02" W 97° 1' 48.29"	N 32° 56' 3.67" W 97° 1' 47.21"	3.3
	VOR: CVE	Available from N 32° 52' 44.02" W 97° 1' 48.29" to N 32° 56' 3.67" W 97° 1' 47.21"	
	VOR: FUZ	Available from N 32° 52' 44.02" W 97° 1' 48.29" to N 32° 56' 3.67" W 97° 1' 47.21"	
	VOR: TTT	Available from N 32° 52' 44.02" W 97° 1' 48.29" to N 32° 56' 3.67" W 97° 1' 47.21"	
2	N 33° 28' 58.52" W 97° 6' 18.44"	N 33° 39' 49.40" W 97° 4' 55.79"	10.9
	VOR: CVE	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 32' 14.45" W 97° 5' 53.57"	
	VOR: FUZ	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 33' 10.90" W 97° 5' 46.41"	
	VOR: TTT	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 32' 4.49" W 97° 5' 54.84"	
	VOR: UKW	Available from N 33° 28' 58.52" W 97° 6' 18.44" to N 33° 39' 49.40" W 97° 4' 55.79"	
	VOR: ADM	Available from N 33° 32' 47.66" W 97° 5' 49.36" to N 33° 39' 49.40" W 97° 4' 55.79"	
	VOR: URH	Available from N 33° 36' 56.72" W 97° 5' 17.73" to N 33° 39' 49.40" W 97° 4' 55.79"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
		ESV: Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°			Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.		
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
		ESV: Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°			Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°			Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.		
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Used
		Restriction: Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		

DME/DME (Continued.)

Return To Summary

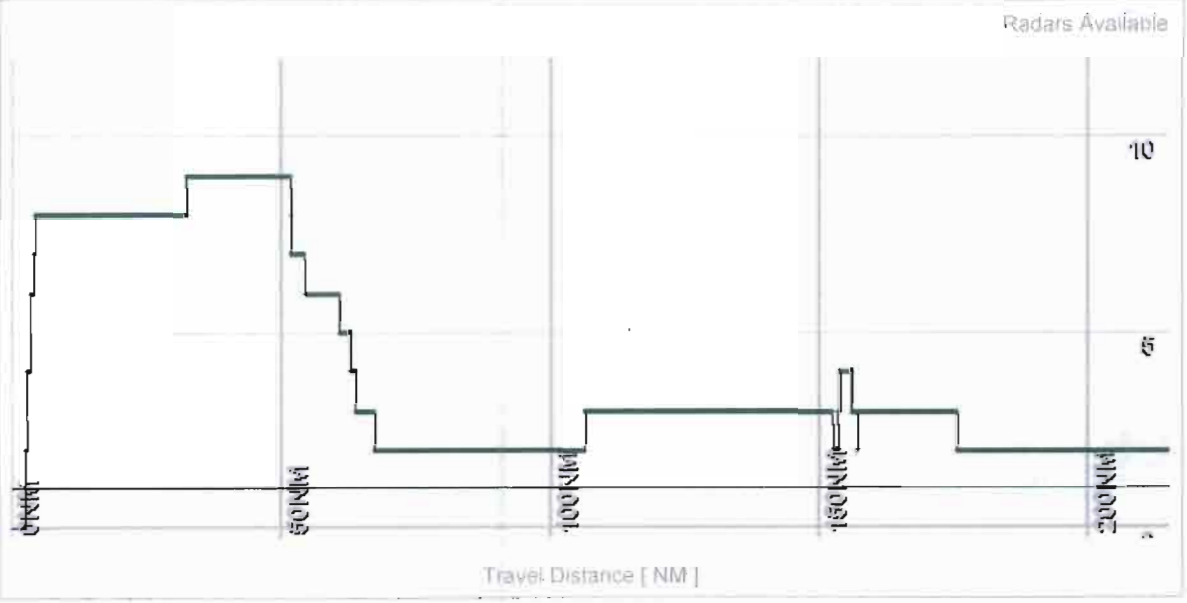
User DMEs (Continued.)

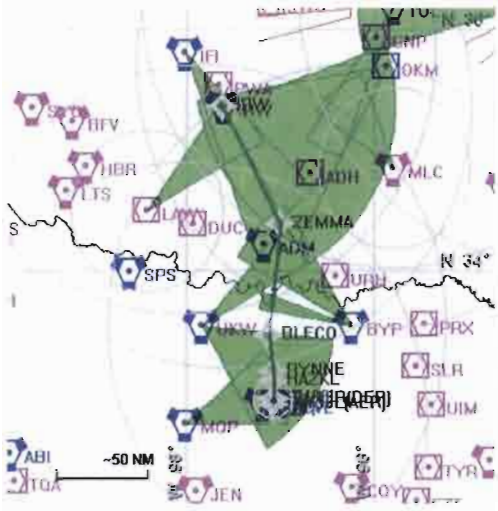
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
		ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 9:37:59 AM
Input File:	BLECO RW36L IRW 2011...
Databases:	AVNIS Date: 08/26/2011 NFD Date: 07/02/2009 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ **Please Check Flyability Results**
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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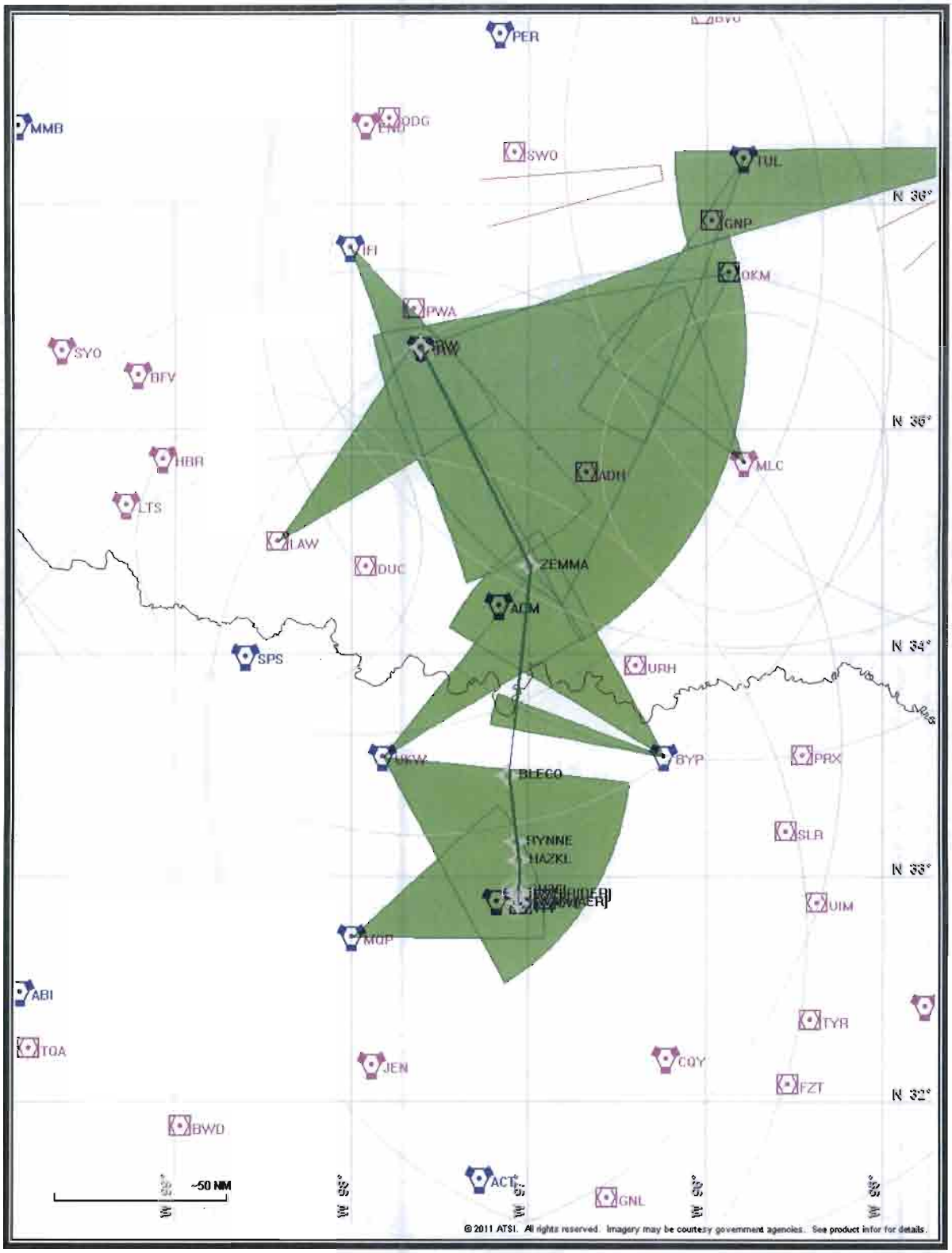
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BYP
PRX
BLECO
SLR
HAZKL
N 33°
UIM
MQP
ABI
TYR
TQA
JEN
CQY
FZT
N 32°
BWD
ACT
GNL
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW36L(...	WP	N 32° 52' 44.35" W 97° 3' 17.40"	582.2	VNAV	0.0	Fly Over	TF
RW18R(...	WP	N 32° 54' 56.93" W 97° 3' 16.71"	641.7	VNAV	130.0	Fly Over	VA
GH36L	WP	N 32° 55' 58.65" W 97° 3' 16.39"	1120.0	VNAV	145.0	Fly Over	DF
HAZKL	WP	N 33° 4' 15.04" W 97° 3' 11.58"	5000.0	VNAV	240.0	Fly By	TF
RYNNE	WP	N 33° 9' 13.30" W 97° 3' 55.92"	6000.0	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	11000.0	VNAV	210.0	Fly By	TF
IRW	WP	N 35° 21' 30.95" W 97° 36' 33.22"	11000.0	VNAV	210.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -33.59 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

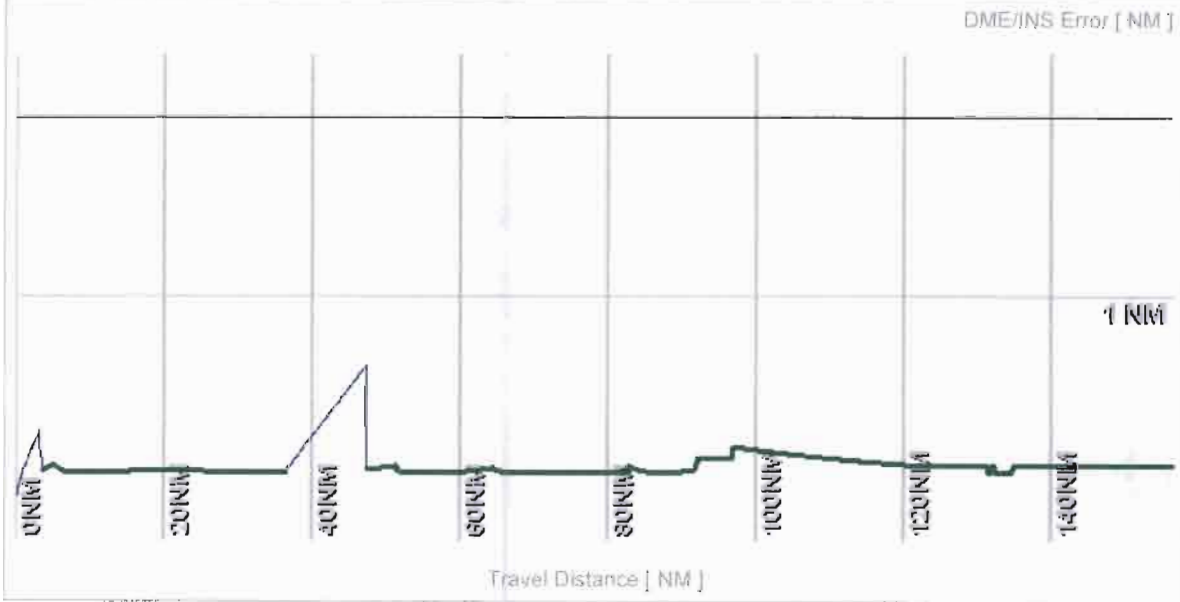
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1324 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM, IFI, IRW, LAW, PWA



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	1.036	Enabled	25.4 %	21.0 %
2	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	1.7 %	1.0 %
3	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	2.4 %	1.4 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.402	Enabled	33.0 %	30.3 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	16.5 %	17.1 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.922	Enabled	22.9 %	23.0 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	8.5 %	8.5 %
8	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	1.487	Enabled	32.9 %	39.4 %
9	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	19.9 %	23.8 %
10	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L + ESV	User	NO	0.717	Enabled	1.6 %	1.9 %
11	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	4.6 %	5.5 %
12	PWA	N 35° 31' 58.60" W 97° 38' 49.84"	T	Database	NO	0.717	Enabled	7.4 %	8.9 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE					
3.2	CVE	FUZ	TTT	UKW		
11.4	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.0	CVE	FUZ	TTT	UKW	ADM	
44.1	BYP	OKM	URH	UKW	ADM	
89.8	BYP	OKM	IRW	IFI	ADM	
121.9	LAW	OKM	IRW	IFI	PWA	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 44.35" W 97° 3' 17.40"	N 32° 56' 4.03" W 97° 3' 16.36"	3.3
	VOR: CVE	Available from N 32° 52' 44.35" W 97° 3' 17.40" to N 32° 56' 4.03" W 97° 3' 16.36"	
	VOR: FUZ	Available from N 32° 52' 44.35" W 97° 3' 17.40" to N 32° 56' 4.03" W 97° 3' 16.36"	
	VOR: TTT	Available from N 32° 52' 44.35" W 97° 3' 17.40" to N 32° 56' 4.03" W 97° 3' 16.36"	
2	N 33° 28' 55.93" W 97° 6' 19.01"	N 33° 39' 46.79" W 97° 4' 56.22"	10.9
	VOR: CVE	Available from N 33° 28' 55.93" W 97° 6' 19.01" to N 33° 32' 15.17" W 97° 5' 53.66"	
	VOR: FUZ	Available from N 33° 28' 55.93" W 97° 6' 19.01" to N 33° 33' 11.63" W 97° 5' 46.48"	
	VOR: TTT	Available from N 33° 28' 55.93" W 97° 6' 19.01" to N 33° 32' 5.21" W 97° 5' 54.93"	
	VOR: UKW	Available from N 33° 28' 55.93" W 97° 6' 19.01" to N 33° 39' 46.79" W 97° 4' 56.22"	
	VOR: ADM	Available from N 33° 32' 48.38" W 97° 5' 49.44" to N 33° 39' 46.79" W 97° 4' 56.22"	
	VOR: URH	Available from N 33° 36' 57.44" W 97° 5' 17.76" to N 33° 39' 46.79" W 97° 4' 56.22"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
		ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.		
		ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.		
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
		ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.		
		ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.		
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Used
		ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
		ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
		Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		

DME/DME (Continued.)

Return To Summary

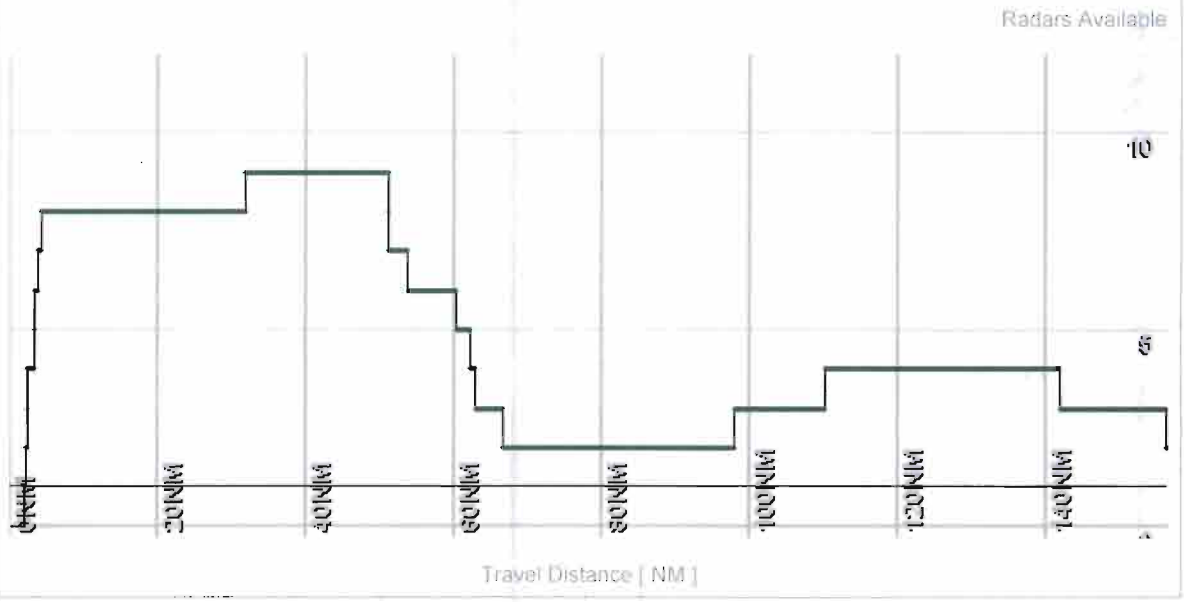
User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
		ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR



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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 9:25:02 AM
Input File:	BLECO RW36L DECKK 20...
Databases:	AVNIS Date: 08/26/2011 NFD Date: 07/02/2009 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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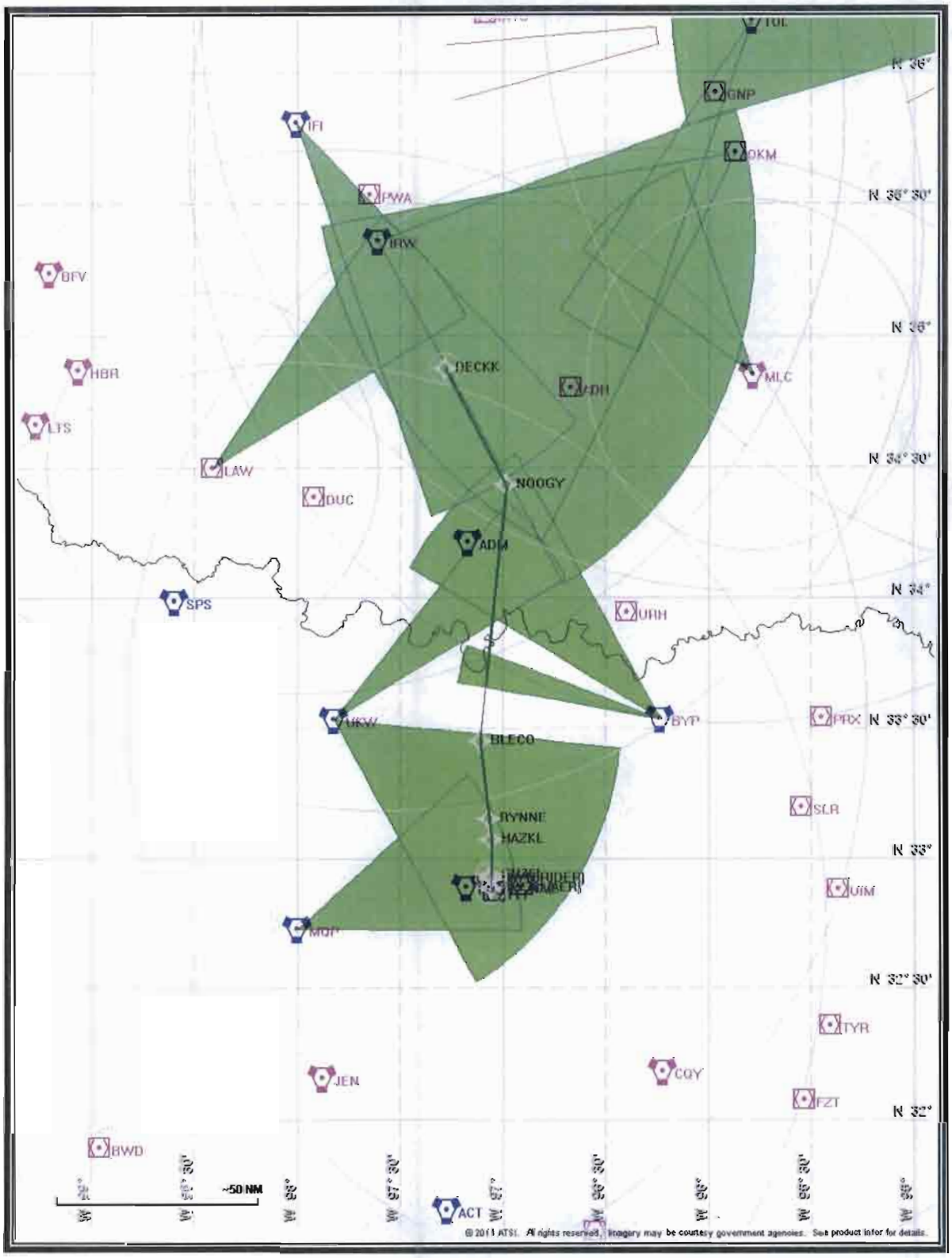
TOL
GNP
IFI
OKM
FWA
BDW
BFV
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DECKK
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SPS
UIH
UKW
BYP
PRX
BLECO
SLR
RYNNE
HAZKL
UIM
MQP
TYR
JEN
CQY
FZT
BWD
ACT
N 36°
N 35° 30'
N 35°
N 34° 30'
N 34°
N 33° 30'
N 33°
N 32° 30'
N 32°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW36L(...	WP	N 32° 52' 44.35" W 97° 3' 17.40"	582.2	VNAV	0.0	Fly Over	TF
RW18R(...	WP	N 32° 54' 56.93" W 97° 3' 16.71"	641.7	VNAV	130.0	Fly Over	VA
GH36L	WP	N 32° 55' 58.65" W 97° 3' 16.39"	1120.0	VNAV	145.0	Fly Over	DF
HAZKL	WP	N 33° 4' 15.04" W 97° 3' 11.58"	5000.0	VNAV	240.0	Fly By	TF
RYNNE	WP	N 33° 9' 13.30" W 97° 3' 55.92"	6000.0	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
NOOGY	WP	N 34° 25' 39.22" W 96° 59' 3.44"	18000.0	VNAV	240.0	Fly By	TF
DECKK	WP	N 34° 52' 22.12" W 97° 16' 51.92"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -33.59 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

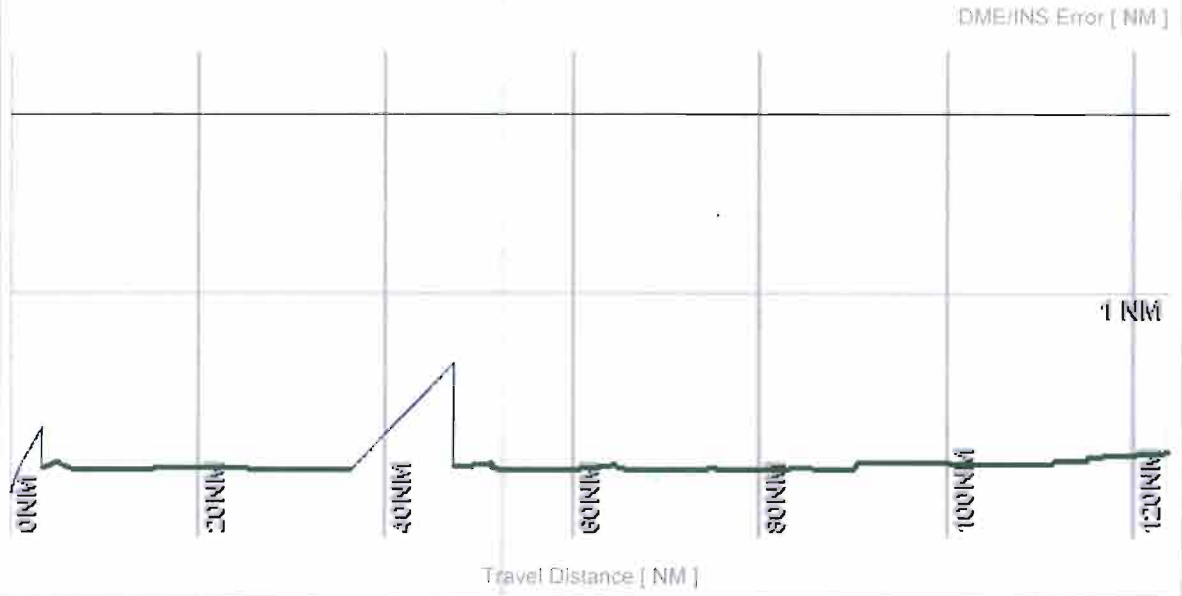
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1324 Ft.

Total Number of DMEs Used: 11

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, SPS, IRW, OKM, IFI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	1.036	Enabled	33.1 %	26.6 %
2	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	2.2 %	1.3 %
3	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	3.1 %	1.8 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.402	Enabled	40.7 %	38.6 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.859	Enabled	17.3 %	20.5 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.859	Enabled	24.7 %	28.5 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.717	Enabled	9.3 %	10.8 %
8	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	15.4 %	19.0 %
9	SPS	N 33° 59' 14.23" W 98° 35' 36.50"	H	Database	NO	0.717	Enabled	20.1 %	25.1 %
10	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	2.3 %	2.9 %
11	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.717	Enabled	1.5 %	1.9 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE					
3.2	CVE	FUZ	TTT	UKW		
11.4	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.0	CVE	FUZ	TTT	UKW	ADM	
44.1	CVE	BYP	URH	UKW	ADM	TTT
74.4	IRW	BYP	SPS	UKW	ADM	FUZ
92.4	IRW	IFI	SPS	UKW	ADM	BYP
113.5	BYP	IFI	SPS	UKW	OKM	IRW

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 44.35" W 97° 3' 17.40"	N 32° 56' 4.03" W 97° 3' 16.36"	3.3
	VOR: CVE	Available from N 32° 52' 44.35" W 97° 3' 17.40" to N 32° 56' 4.03" W 97° 3' 16.36"	
	VOR: FUZ	Available from N 32° 52' 44.35" W 97° 3' 17.40" to N 32° 56' 4.03" W 97° 3' 16.36"	
	VOR: TTT	Available from N 32° 52' 44.35" W 97° 3' 17.40" to N 32° 56' 4.03" W 97° 3' 16.36"	
2	N 33° 28' 55.93" W 97° 6' 19.02"	N 33° 39' 46.79" W 97° 4' 56.17"	10.9
	VOR: CVE	Available from N 33° 28' 55.93" W 97° 6' 19.02" to N 33° 32' 15.17" W 97° 5' 53.66"	
	VOR: FUZ	Available from N 33° 28' 55.93" W 97° 6' 19.02" to N 33° 33' 11.63" W 97° 5' 46.47"	
	VOR: TTT	Available from N 33° 28' 55.93" W 97° 6' 19.02" to N 33° 32' 5.21" W 97° 5' 54.92"	
	VOR: UKW	Available from N 33° 28' 55.93" W 97° 6' 19.02" to N 33° 39' 46.79" W 97° 4' 56.17"	
	VOR: ADM	Available from N 33° 32' 48.38" W 97° 5' 49.43" to N 33° 39' 46.79" W 97° 4' 56.17"	
	VOR: URH	Available from N 33° 36' 57.44" W 97° 5' 17.73" to N 33° 39' 46.79" W 97° 4' 56.17"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
		ESV: Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°			Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.		
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
		ESV: Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°			Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°			Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.		
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
		Restriction: Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		

DME/DME (Continued.)

Return To Summary

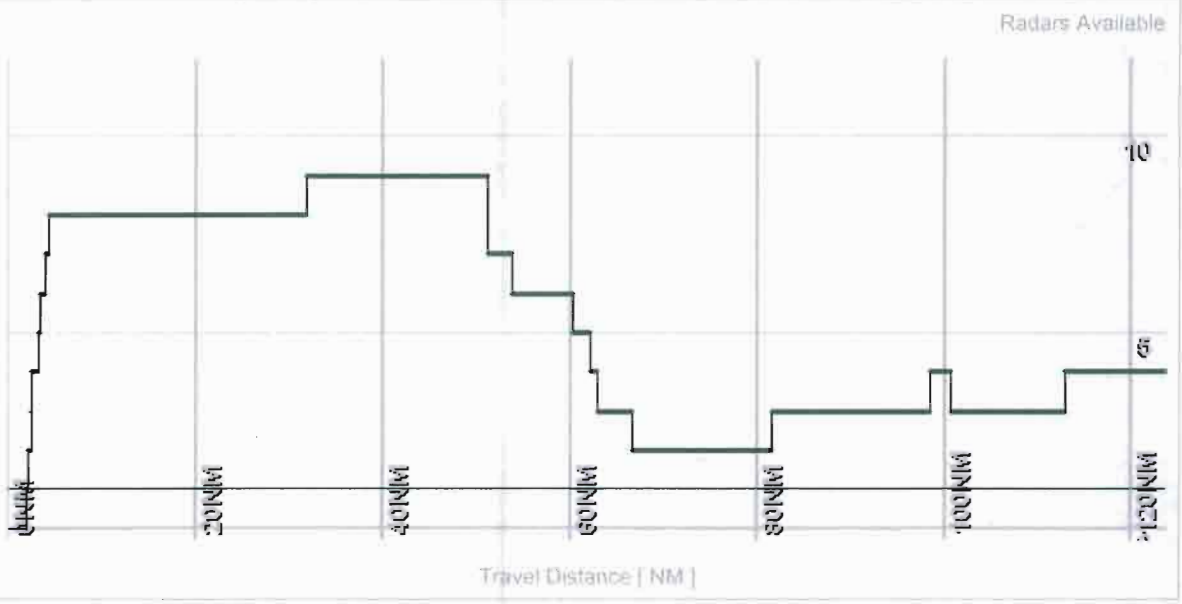
User DMEs (Continued.)

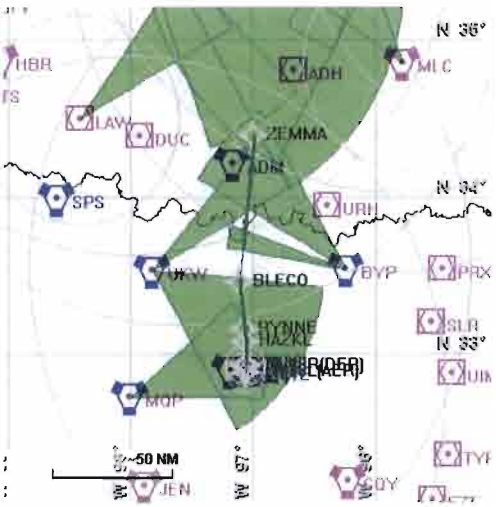
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
		ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 10:03:21 AM
Input File:	BLECO RW36L ZEMMA 20...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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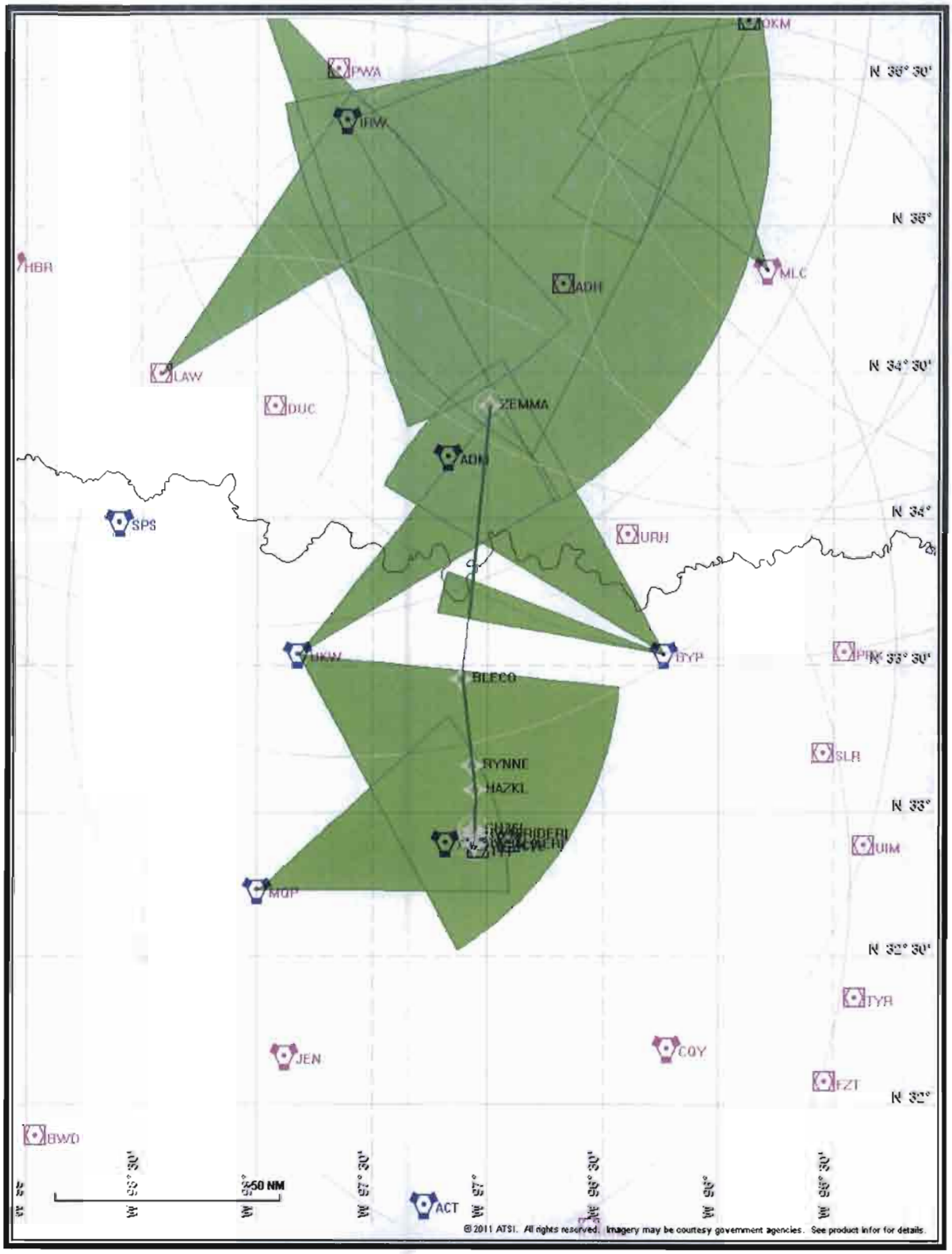
OKM
PWA
IFIW
N 36° 30'
N 36°
HBR
ADH
MLC
LAW
N 34° 30'
DUC
ZEMMA
ADM
SPS
URH
N 34°
DYP
BLECO
N 33° 30'
SLR
RYNNE
HAZKL
N 33°
UIM
MQP
N 32° 30'
TYR
JEN
COY
FZT
N 32°
BWD
50 NM
ACT
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW36L(...	WP	N 32° 52' 44.35" W 97° 3' 17.40"	582.2	VNAV	0.0	Fly Over	TF
RW18R(...	WP	N 32° 54' 56.93" W 97° 3' 16.71"	641.7	VNAV	130.0	Fly Over	VA
GH36L	WP	N 32° 55' 58.65" W 97° 3' 16.39"	1120.0	VNAV	145.0	Fly Over	DF
HAZKL	WP	N 33° 4' 15.04" W 97° 3' 11.58"	5000.0	VNAV	240.0	Fly By	TF
RYNNE	WP	N 33° 9' 13.30" W 97° 3' 55.92"	6000.0	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	9000.0	VNAV	180.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Flyability	Return To Summary
Settings:	**Flight Type:** Departure **Selected Airport:** KDFW **Aircraft Category:** Cat D **Climb Gradient:** 500.0 Ft/NM up to 1120.0 Ft MSL **Ground Speeds:** Departure: **120.0 Kts** out to **10.0 NM** Table: **200.0 Kts** up to **11000.0 Ft.** **240.0 Kts** up to **18000.0 Ft.** **260.0 Kts** up to **24000.0 Ft.** **340.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
Flight Track comes into contact with terrain. Minimum AGL along route was -33.59 Ft. Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.	

DME/DME

Return To Summary

Settings:

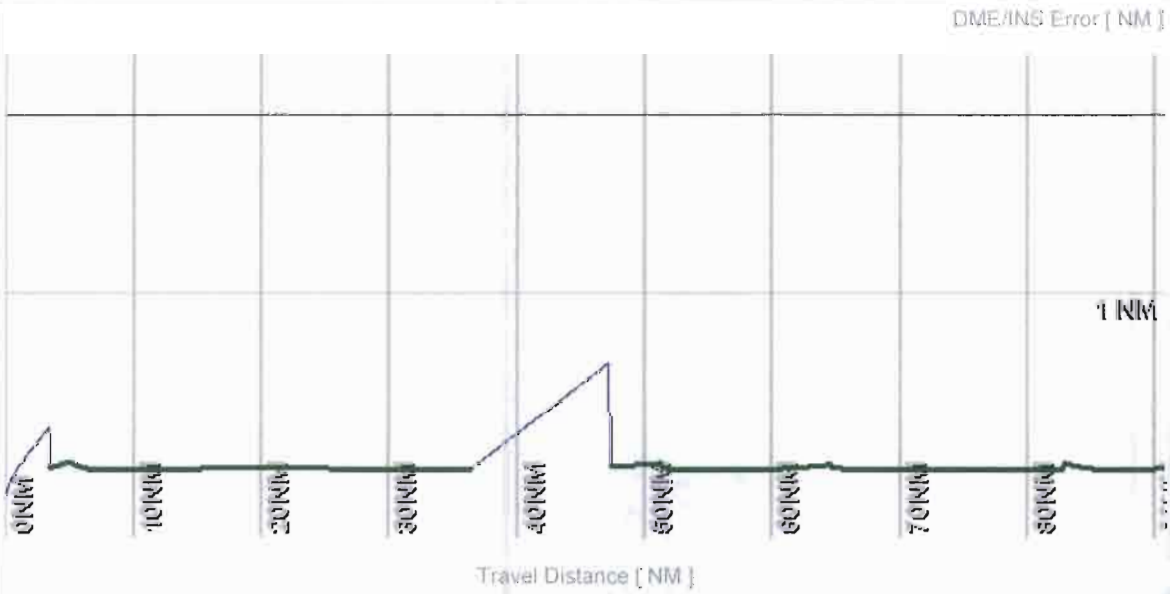
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1324 Ft.

Total Number of DMEs Used: 7

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	1.036	Enabled	39.1 %	36.4 %
2	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	2.6 %	1.7 %
3	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	3.6 %	2.4 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.402	Enabled	50.9 %	52.3 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	20.3 %	22.7 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.922	Enabled	34.3 %	38.3 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	13.1 %	14.7 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE					
3.2	CVE	FUZ	TTT	UKW		
11.4	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.0	CVE	FUZ	TTT	UKW	ADM	
44.1	BYP	OKM	URH	UKW	ADM	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 44.35" W 97° 3' 17.40"	N 32° 56' 4.03" W 97° 3' 16.36"	3.3

VOR: CVE	Available from N 32° 52' 44.35" W 97° 3' 17.40" to N 32° 56' 4.03" W 97° 3' 16.36"
VOR: FUZ	Available from N 32° 52' 44.35" W 97° 3' 17.40" to N 32° 56' 4.03" W 97° 3' 16.36"
VOR: TTT	Available from N 32° 52' 44.35" W 97° 3' 17.40" to N 32° 56' 4.03" W 97° 3' 16.36"

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 33° 28' 55.93" W 97° 6' 19.01"	N 33° 39' 46.79" W 97° 4' 56.22"	10.9
	VOR: CVE	Available from N 33° 28' 55.93" W 97° 6' 19.01" to N 33° 32' 15.17" W 97° 5' 53.66"	
	VOR: FUZ	Available from N 33° 28' 55.93" W 97° 6' 19.01" to N 33° 33' 11.62" W 97° 5' 46.48"	
	VOR: TTT	Available from N 33° 28' 55.93" W 97° 6' 19.01" to N 33° 32' 5.21" W 97° 5' 54.93"	
	VOR: UKW	Available from N 33° 28' 55.93" W 97° 6' 19.01" to N 33° 39' 46.79" W 97° 4' 56.22"	
	VOR: ADM	Available from N 33° 32' 48.38" W 97° 5' 49.44" to N 33° 39' 46.79" W 97° 4' 56.22"	
	VOR: URH	Available from N 33° 36' 57.43" W 97° 5' 17.76" to N 33° 39' 46.79" W 97° 4' 56.22"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Not Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

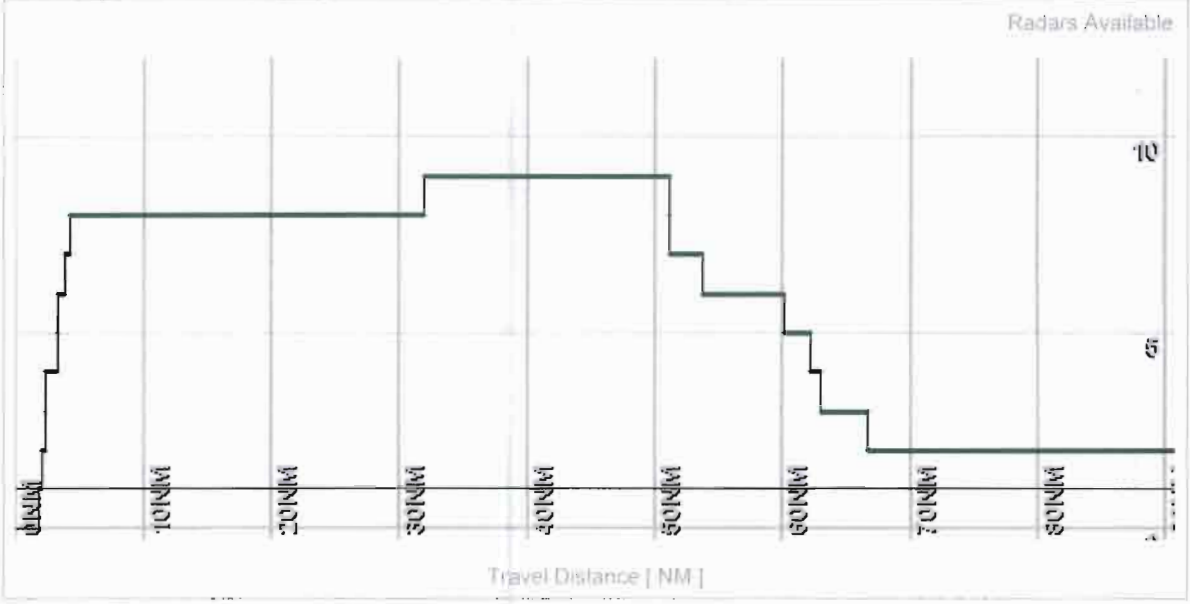
User DMEs (Continued.)

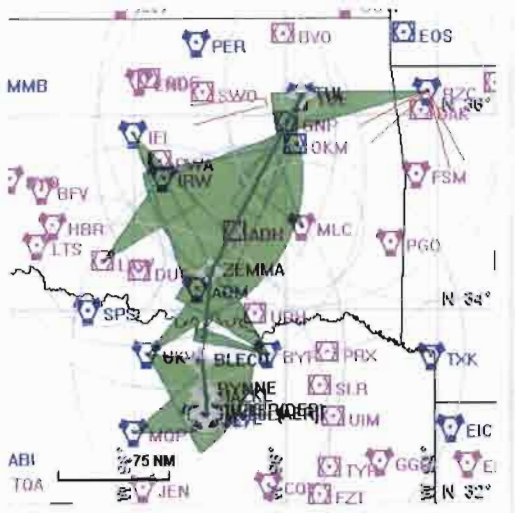
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Not Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
		Restriction: Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
		ESV: Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°			Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 9:55:05 AM
Input File:	BLECO RW36L TUL 2011...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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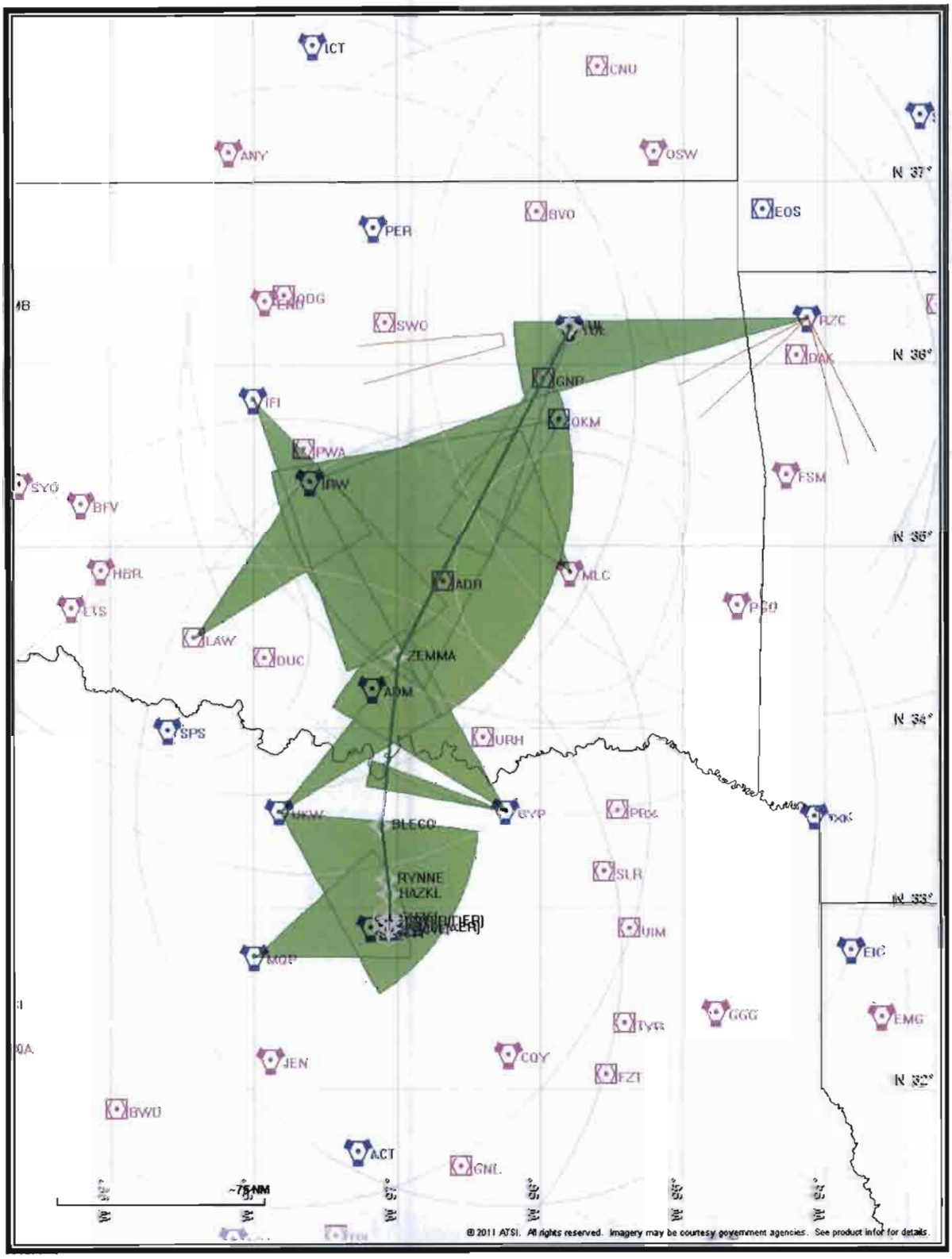
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HBR
ADR
MLC
LTS
PGO
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DUC
ZEMMA
ADM
SPS
URH
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BLECO
RYNNE
HAZKL
SLR
UIM
EIC
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EMG
TYR
JEN
COY
FZT
N 32°
BWD
ACT
GNL
~75NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW36L(...	WP	N 32° 52' 44.35" W 97° 3' 17.40"	582.2	VNAV	0.0	Fly Over	TF
RW18R(...	WP	N 32° 54' 56.93" W 97° 3' 16.71"	641.7	VNAV	130.0	Fly Over	VA
GH36L	WP	N 32° 55' 58.65" W 97° 3' 16.39"	1120.0	VNAV	145.0	Fly Over	DF
HAZKL	WP	N 33° 4' 15.04" W 97° 3' 11.58"	5000.0	VNAV	240.0	Fly By	TF
RYNNE	WP	N 33° 9' 13.30" W 97° 3' 55.92"	6000.0	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	13000.0	VNAV	210.0	Fly By	TF
TUL	WP	N 36° 11' 46.54" W 95° 47' 17.11"	13000.0	VNAV	210.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -33.59 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

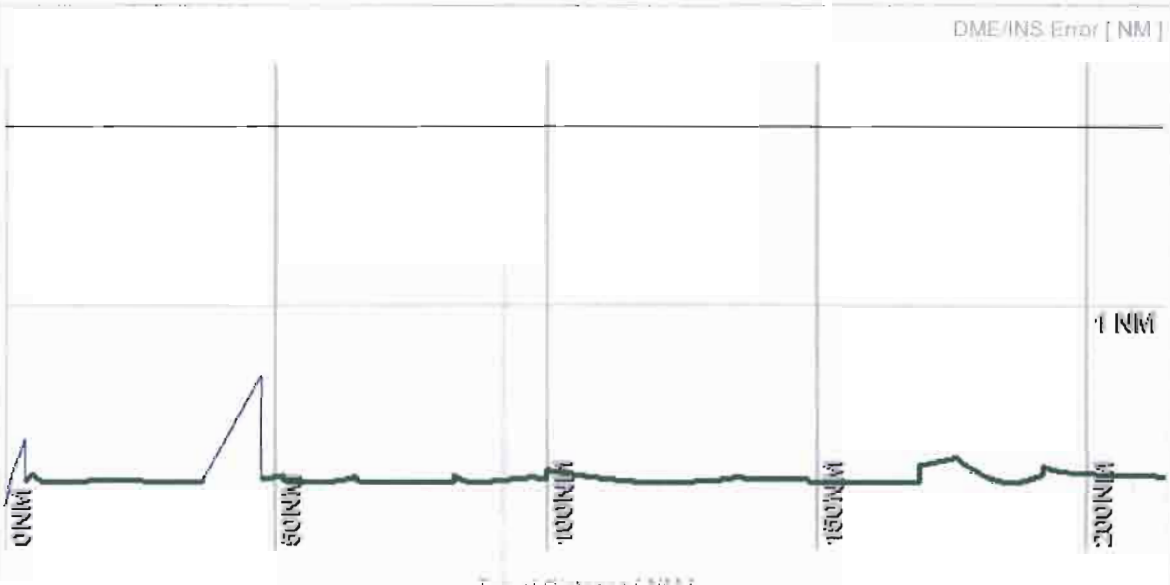
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1324 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM, ADH, IRW, IFI, TUL, MLC, RZC



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	1.036	Enabled	19.8 %	15.4 %
2	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	1.3 %	0.7 %
3	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	1.8 %	1.0 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.402	Enabled	24.3 %	22.1 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	11.4 %	12.3 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.911	Enabled	19.7 %	20.5 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.743	Enabled	6.5 %	6.2 %
8	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	1.436	Enabled	24.7 %	27.6 %
9	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.866	Enabled	38.3 %	42.9 %
10	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H + ESV	User	NO	1.043	Enabled	16.0 %	17.9 %
11	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L + ESV	User	NO	0.717	Enabled	8.5 %	9.6 %
12	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H + ESV	User	NO	1.012	Enabled	9.4 %	10.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE					
3.2	CVE	FUZ	TTT	UKW		
11.4	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.0	CVE	FUZ	TTT	UKW	ADM	
44.1	BYP	OKM	URH	UKW	ADM	
89.9	BYP	OKM	IRW	ADH	ADM	
105.3	ADM	OKM	IRW	IFI		
134.2	TUL	OKM	IRW	MLC	RZC	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 44.35" W 97° 3' 17.40"	N 32° 56' 4.03" W 97° 3' 16.36"	3.3
	VOR: CVE	Available from N 32° 52' 44.35" W 97° 3' 17.40" to N 32° 56' 4.03" W 97° 3' 16.36"	
	VOR: FUZ	Available from N 32° 52' 44.35" W 97° 3' 17.40" to N 32° 56' 4.03" W 97° 3' 16.36"	
	VOR: TTT	Available from N 32° 52' 44.35" W 97° 3' 17.40" to N 32° 56' 4.03" W 97° 3' 16.36"	
2	N 33° 28' 55.93" W 97° 6' 19.01"	N 33° 39' 46.79" W 97° 4' 56.22"	10.9
	VOR: CVE	Available from N 33° 28' 55.93" W 97° 6' 19.01" to N 33° 32' 15.17" W 97° 5' 53.66"	
	VOR: FUZ	Available from N 33° 28' 55.93" W 97° 6' 19.01" to N 33° 33' 11.63" W 97° 5' 46.48"	
	VOR: TTT	Available from N 33° 28' 55.93" W 97° 6' 19.01" to N 33° 32' 5.21" W 97° 5' 54.93"	
	VOR: UKW	Available from N 33° 28' 55.93" W 97° 6' 19.01" to N 33° 39' 46.79" W 97° 4' 56.22"	
	VOR: ADM	Available from N 33° 32' 48.38" W 97° 5' 49.44" to N 33° 39' 46.79" W 97° 4' 56.22"	
	VOR: URH	Available from N 33° 36' 57.44" W 97° 5' 17.76" to N 33° 39' 46.79" W 97° 4' 56.22"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
		ESV: Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°			Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.		
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
		ESV: Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°			Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°			Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.		
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Used
		Restriction: Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

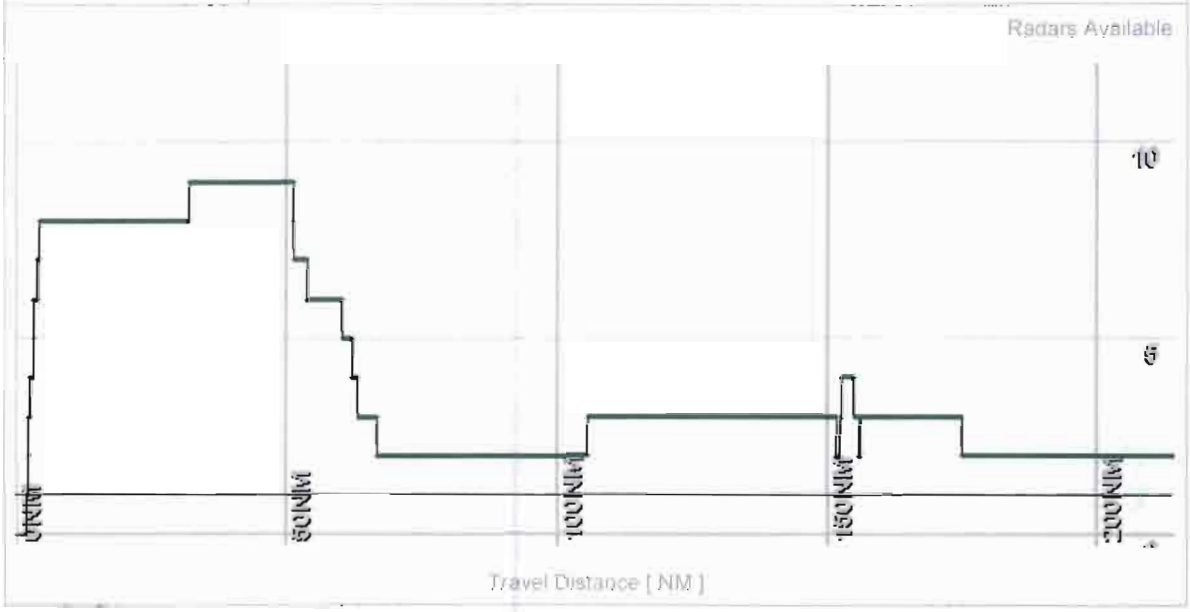
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used

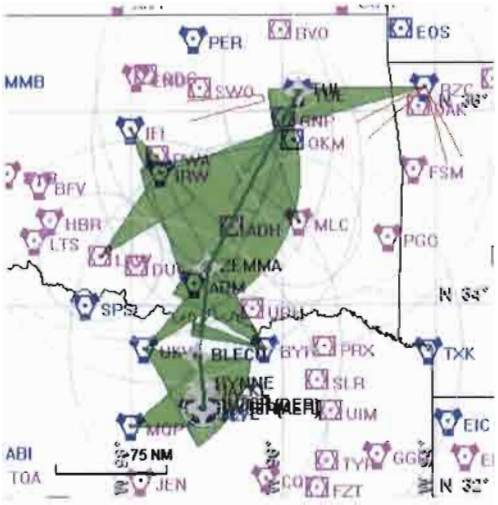
ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°	Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 10:48:00 AM
Input File:	BLECO RW36R TUL 2011...
Databases:	AVNIS Date: 08/26/2011 NFD Date: 07/02/2009 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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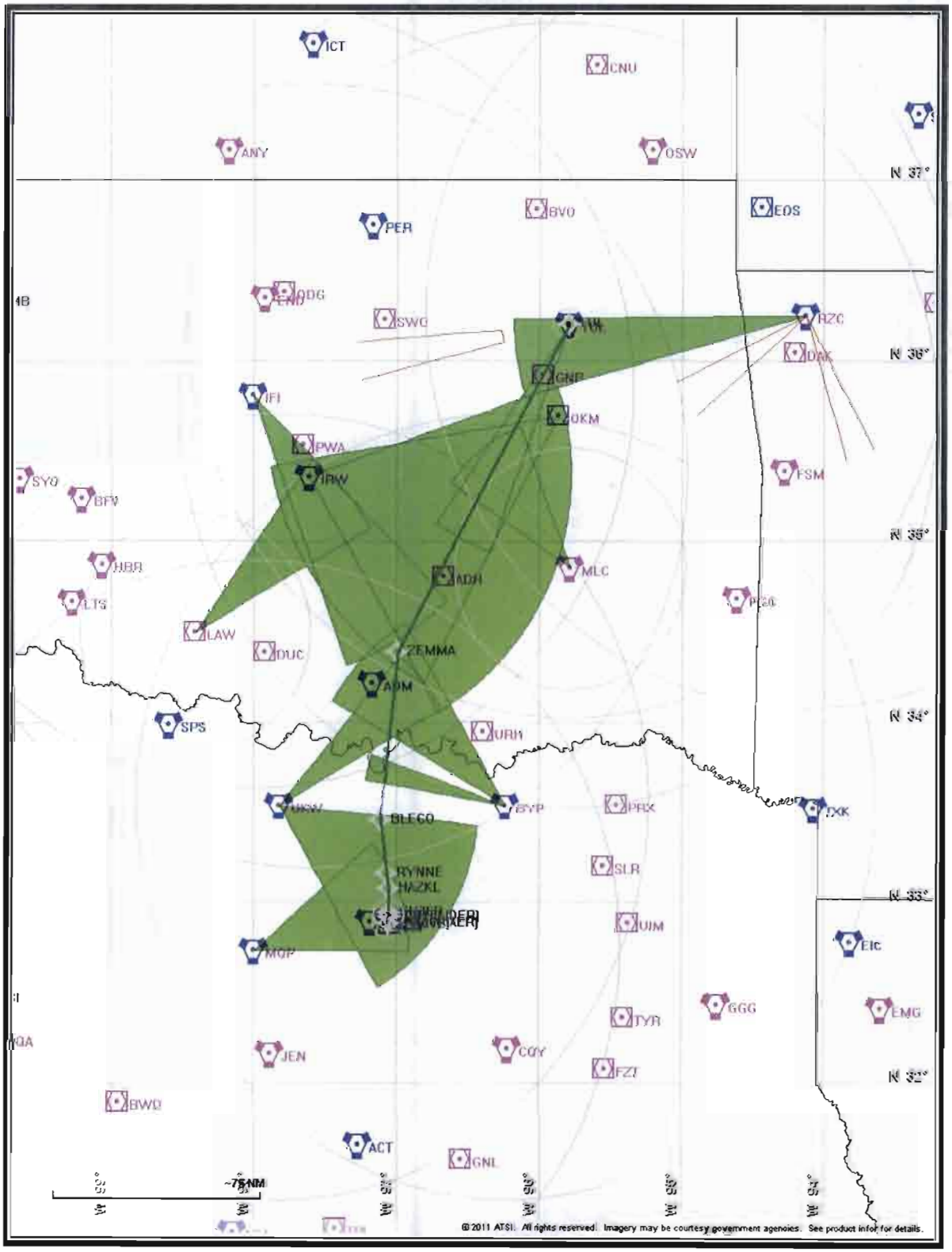
ICT
CNU
ANY
OSW
N 37°
BVO
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GNP
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OKM
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FSM
SYO
BFV
N 35°
HBR
MLC
ADH
LTS
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DUC
ZEMMA
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URH
N 34°
BYP
PRX
BLECO
SLR
RYNNE
HAZKL
N 33°
UIM
MOP
EIC
GGG
EMG
TYR
JEN
COY
FZT
N 32°
BWD
ACT
GNL
~75 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW36R(...	WP	N 32° 52' 44.30" W 97° 3' 3.33"	575.3	VNAV	0.0	Fly Over	TF
RW18L(...	WP	N 32° 54' 56.88" W 97° 3' 2.65"	636.7	VNAV	130.0	Fly Over	VA
GH36R	WP	N 32° 55' 59.19" W 97° 3' 2.33"	1120.0	VNAV	145.0	Fly Over	DF
HAZKL	WP	N 33° 4' 15.04" W 97° 3' 11.58"	5000.0	VNAV	240.0	Fly By	TF
RYNNE	WP	N 33° 9' 13.30" W 97° 3' 55.92"	6000.0	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	13000.0	VNAV	210.0	Fly By	TF
TUL	WP	N 36° 11' 46.54" W 95° 47' 17.11"	13000.0	VNAV	210.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -39.95 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

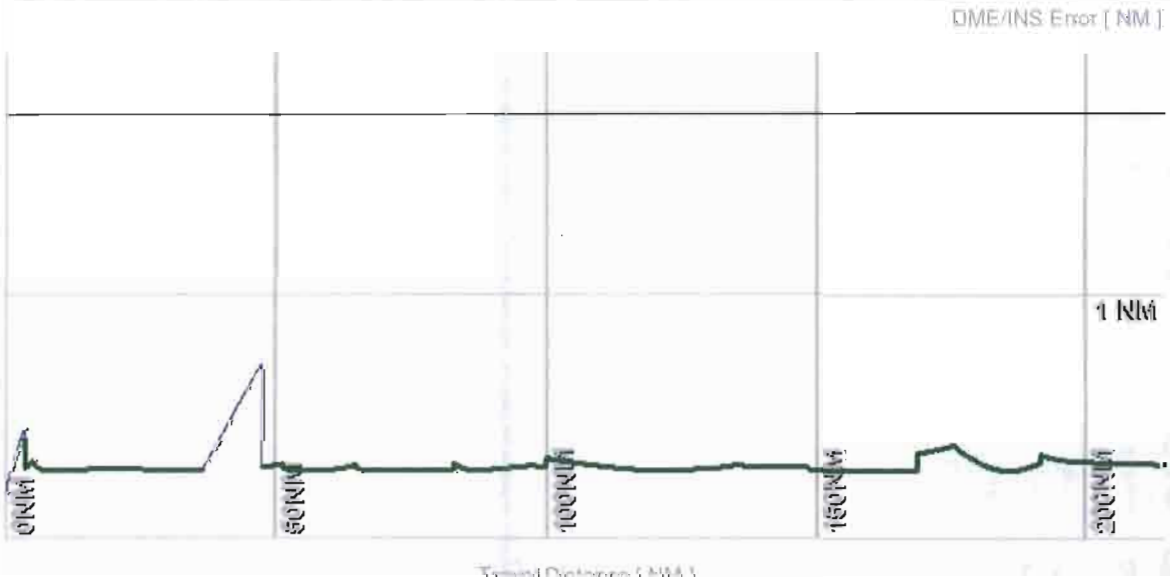
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1312 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM, ADH, IRW, IFI, TUL, MLC, RZC



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	2.0 %	1.1 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.732	Enabled	19.8 %	15.4 %
3	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	1.3 %	0.7 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.402	Enabled	24.2 %	22.1 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	11.4 %	12.3 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.911	Enabled	19.7 %	20.5 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.743	Enabled	6.5 %	6.2 %
8	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	1.436	Enabled	24.7 %	27.6 %
9	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.866	Enabled	38.3 %	42.9 %
10	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H + ESV	User	NO	1.046	Enabled	16.0 %	17.9 %
11	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L + ESV	User	NO	0.717	Enabled	8.5 %	9.6 %
12	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H + ESV	User	NO	1.012	Enabled	9.4 %	10.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE					
3.2	CVE	FUZ	TTT	UKW		
11.4	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.0	CVE	FUZ	TTT	UKW	ADM	
44.1	BYP	OKM	URH	UKW	ADM	
89.9	BYP	OKM	IRW	ADH	ADM	
105.3	ADM	OKM	IRW	IFI		
134.2	TUL	OKM	IRW	MLC	RZC	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 44.30" W 97° 3' 3.33"	N 32° 56' 3.97" W 97° 3' 2.32"	3.3
	VOR: CVE	Available from N 32° 52' 44.30" W 97° 3' 3.33" to N 32° 56' 3.97" W 97° 3' 2.32"	
	VOR: FUZ	Available from N 32° 52' 44.30" W 97° 3' 3.33" to N 32° 56' 3.97" W 97° 3' 2.32"	
	VOR: TTT	Available from N 32° 52' 44.30" W 97° 3' 3.33" to N 32° 56' 3.97" W 97° 3' 2.32"	
2	N 33° 28' 55.82" W 97° 6' 19.03"	N 33° 39' 46.68" W 97° 4' 56.23"	10.9
	VOR: CVE	Available from N 33° 28' 55.82" W 97° 6' 19.03" to N 33° 32' 15.06" W 97° 5' 53.68"	
	VOR: FUZ	Available from N 33° 28' 55.82" W 97° 6' 19.03" to N 33° 33' 11.51" W 97° 5' 46.50"	
	VOR: TTT	Available from N 33° 28' 55.82" W 97° 6' 19.03" to N 33° 32' 5.10" W 97° 5' 54.95"	
	VOR: UKW	Available from N 33° 28' 55.82" W 97° 6' 19.03" to N 33° 39' 46.68" W 97° 4' 56.23"	
	VOR: ADM	Available from N 33° 32' 48.27" W 97° 5' 49.46" to N 33° 39' 46.68" W 97° 4' 56.23"	
	VOR: URH	Available from N 33° 36' 57.32" W 97° 5' 17.78" to N 33° 39' 46.68" W 97° 4' 56.23"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
		ESV: Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
		ESV: Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			

DME/DME (Continued.)

Return To Summary

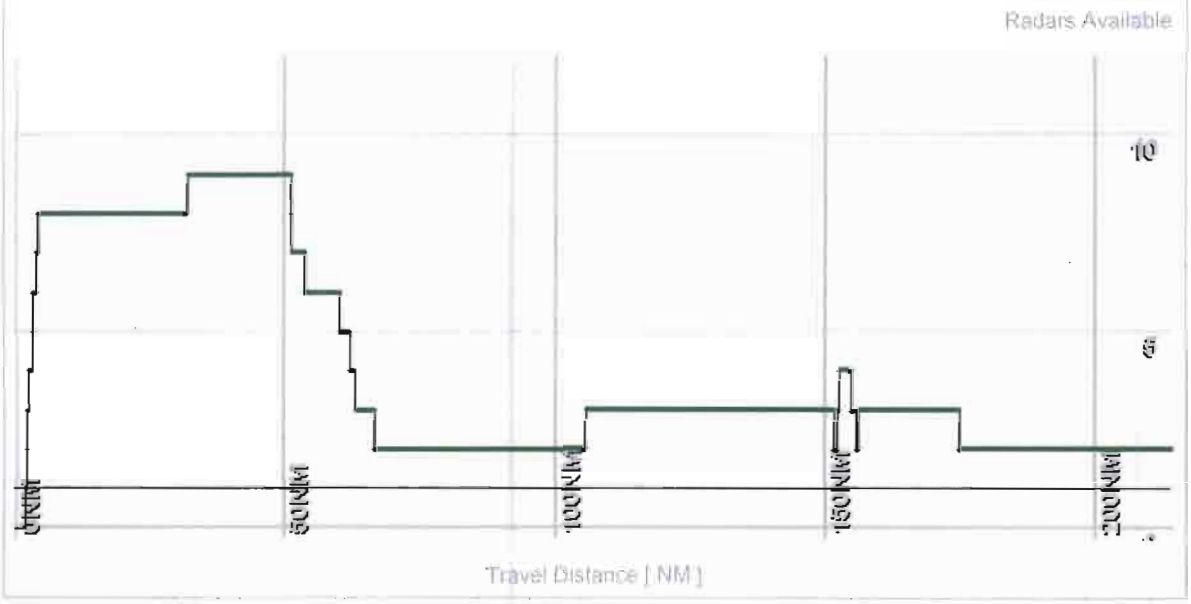
User DMEs (Continued.)

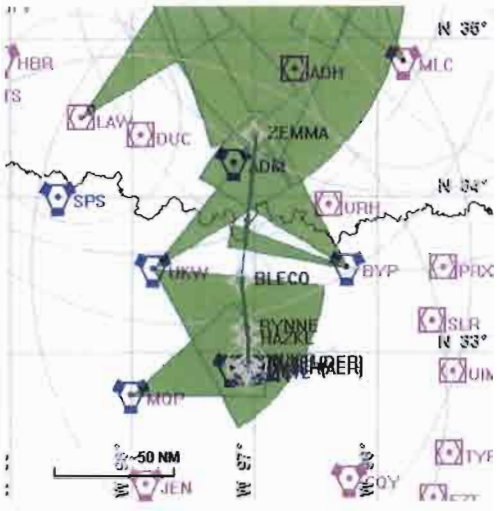
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
		ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 11:15:34 AM
Input File:	BLECO RW36R ZEMMA 20...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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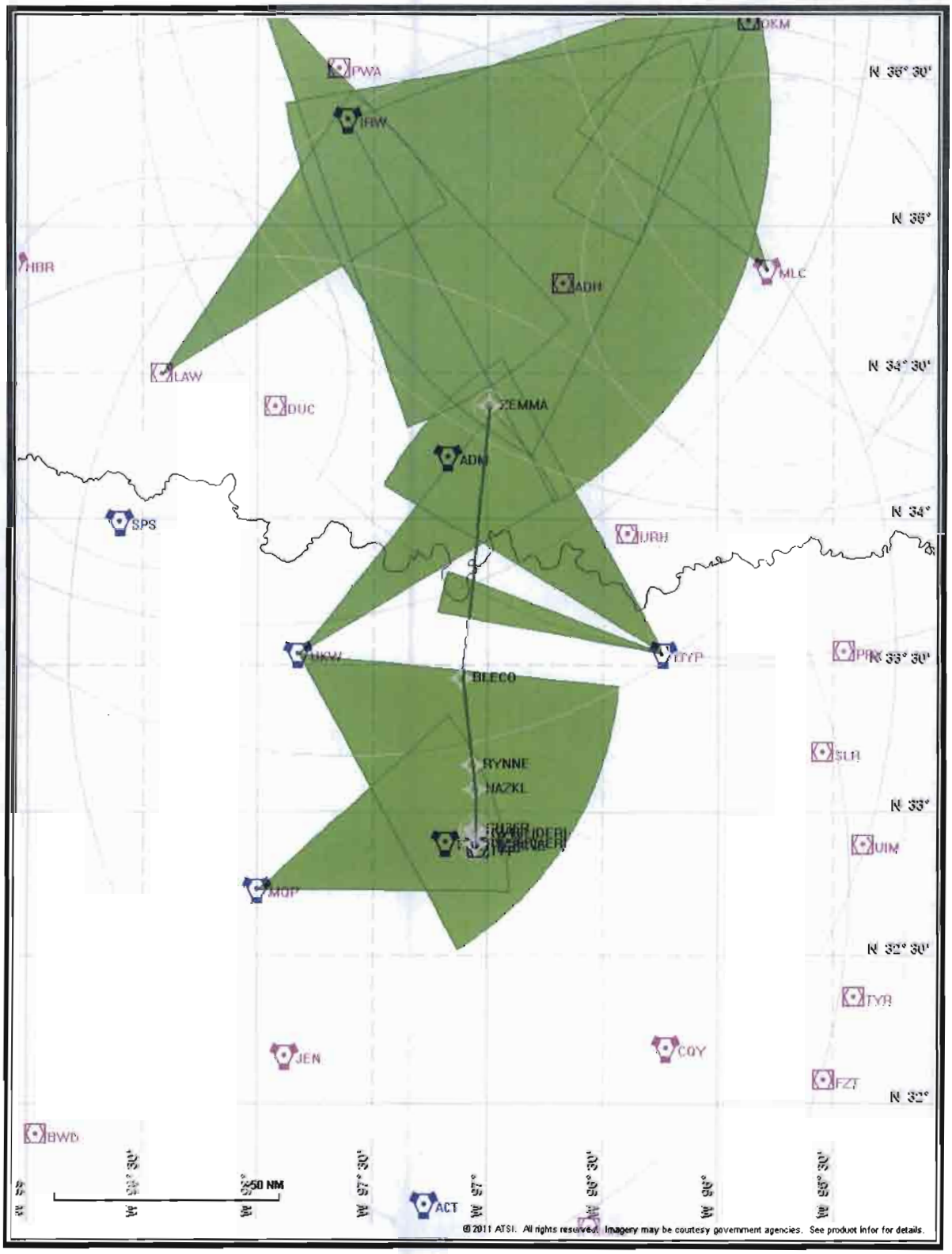
PWA
FBW
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N 33° 30'
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N 32° 30'
N 32°
50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW36R(...	WP	N 32° 52' 44.30" W 97° 3' 3.33"	575.3	VNAV	0.0	Fly Over	TF
RW18L(...	WP	N 32° 54' 56.88" W 97° 3' 2.65"	636.7	VNAV	130.0	Fly Over	VA
GH36R	WP	N 32° 55' 59.19" W 97° 3' 2.33"	1120.0	VNAV	145.0	Fly Over	DF
HAZKL	WP	N 33° 4' 15.04" W 97° 3' 11.58"	5000.0	VNAV	240.0	Fly By	TF
RYNNE	WP	N 33° 9' 13.30" W 97° 3' 55.92"	6000.0	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	9000.0	VNAV	180.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -39.95 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1312 Ft.

Total Number of DMEs Used: 7

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM

DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	4.0 %	2.6 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.732	Enabled	39.1 %	36.4 %
3	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	2.5 %	1.7 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.402	Enabled	50.7 %	52.1 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	20.3 %	22.7 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.922	Enabled	34.3 %	38.3 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.754	Enabled	13.2 %	14.7 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE					
3.2	CVE	FUZ	TTT	UKW		
11.4	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.0	CVE	FUZ	TTT	UKW	ADM	
44.1	BYP	OKM	URH	UKW	ADM	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 44.30" W 97° 3' 3.33"	N 32° 56' 3.97" W 97° 3' 2.32"	3.3
	VOR: CVE	Available from N 32° 52' 44.30" W 97° 3' 3.33" to N 32° 56' 3.97" W 97° 3' 2.32"	
	VOR: FUZ	Available from N 32° 52' 44.30" W 97° 3' 3.33" to N 32° 56' 3.97" W 97° 3' 2.32"	
	VOR: TTT	Available from N 32° 52' 44.30" W 97° 3' 3.33" to N 32° 56' 3.97" W 97° 3' 2.32"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 33° 28' 55.81" W 97° 6' 19.03"	N 33° 39' 46.68" W 97° 4' 56.23"	10.9
	VOR: CVE	Available from N 33° 28' 55.81" W 97° 6' 19.03" to N 33° 32' 15.06" W 97° 5' 53.68"	
	VOR: FUZ	Available from N 33° 28' 55.81" W 97° 6' 19.03" to N 33° 33' 11.51" W 97° 5' 46.50"	
	VOR: TTT	Available from N 33° 28' 55.81" W 97° 6' 19.03" to N 33° 32' 5.10" W 97° 5' 54.95"	
	VOR: UKW	Available from N 33° 28' 55.81" W 97° 6' 19.03" to N 33° 39' 46.68" W 97° 4' 56.23"	
	VOR: ADM	Available from N 33° 32' 48.27" W 97° 5' 49.46" to N 33° 39' 46.68" W 97° 4' 56.23"	
	VOR: URH	Available from N 33° 36' 57.32" W 97° 5' 17.78" to N 33° 39' 46.68" W 97° 4' 56.23"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Not Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

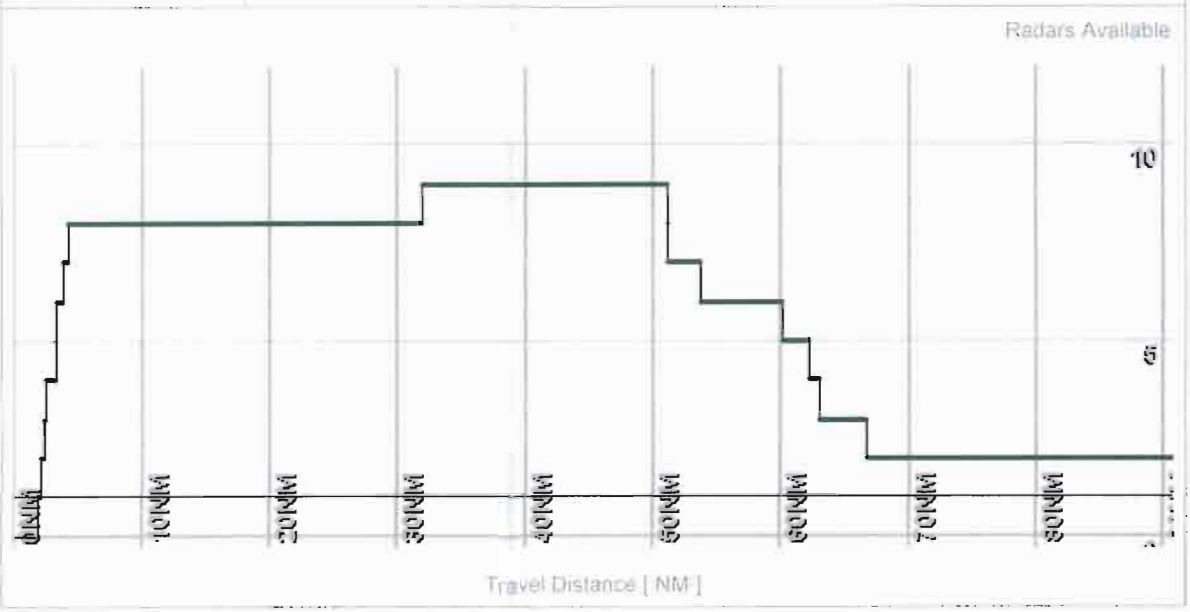
User DMEs (Continued.)

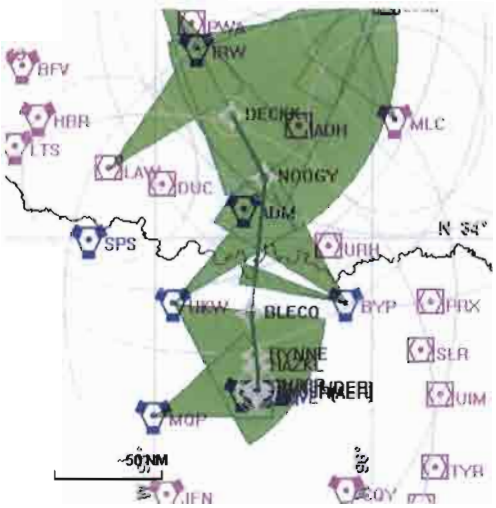
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Not Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
		Restriction: Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
		ESV: Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°			Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 10:15:50 AM
Input File:	BLECO RW36R DECKK 20...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ **Please Check Flyability Results**
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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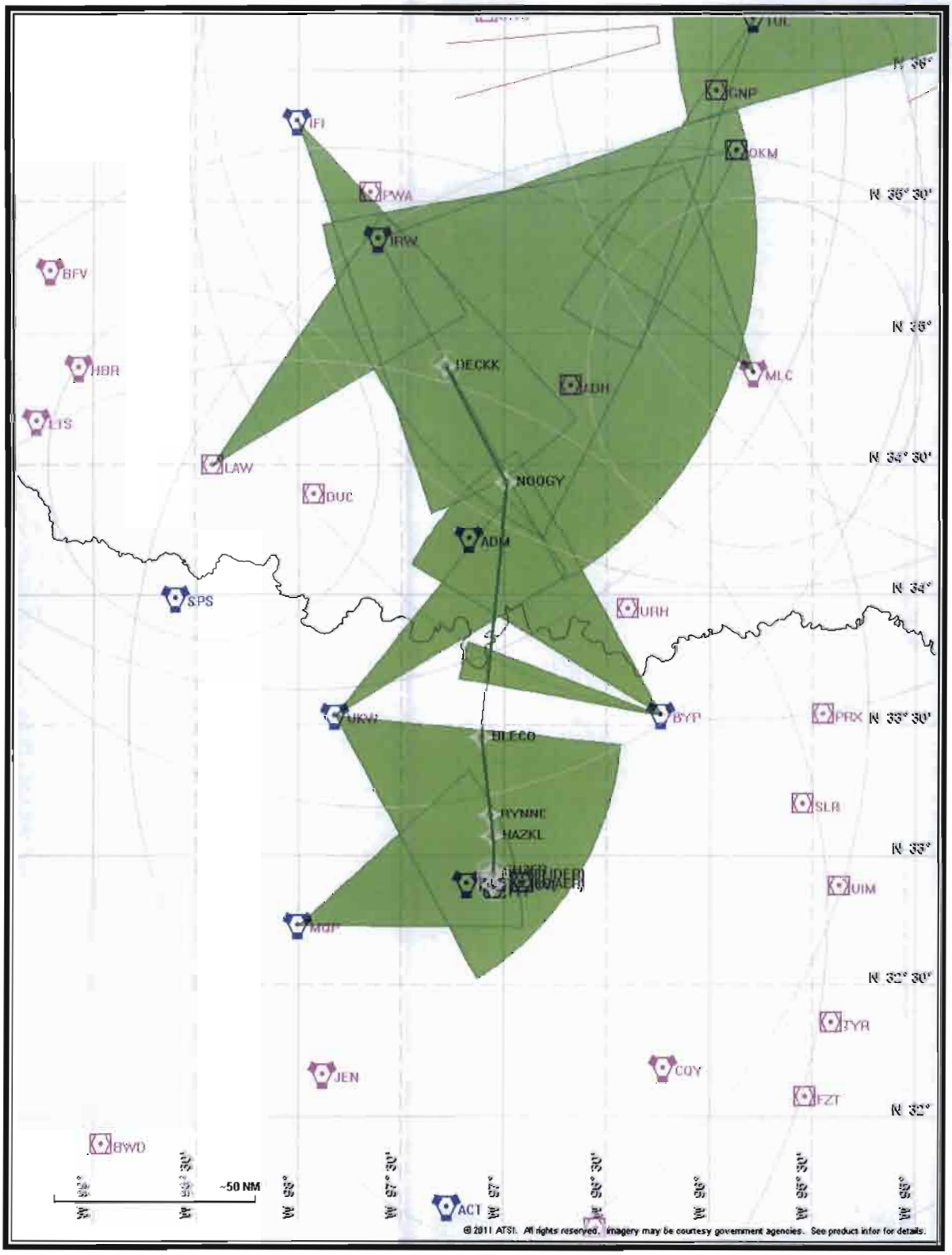
TUL
GNP
IFI
OKM
PWA
IRW
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SPS
UTIH
BYP
PRX
BLECO
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RYNNE
HAZKL
UIM
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TYR
JEN
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FZT
BWD
ACT
N 36°
N 35° 30'
N 35°
N 34° 30'
N 34°
N 33° 30'
N 33°
N 32° 30'
N 32°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW36R(...	WP	N 32° 52' 44.30" W 97° 3' 3.33"	575.3	VNAV	0.0	Fly Over	TF
RW18L(...	WP	N 32° 54' 56.88" W 97° 3' 2.65"	636.7	VNAV	130.0	Fly Over	VA
GH36R	WP	N 32° 55' 59.19" W 97° 3' 2.33"	1120.0	VNAV	145.0	Fly Over	DF
HAZKL	WP	N 33° 4' 15.04" W 97° 3' 11.58"	5000.0	VNAV	240.0	Fly By	TF
RYNNE	WP	N 33° 9' 13.30" W 97° 3' 55.92"	6000.0	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
NOOGY	WP	N 34° 25' 39.22" W 96° 59' 3.44"	18000.0	VNAV	240.0	Fly By	TF
DECKK	WP	N 34° 52' 22.12" W 97° 16' 51.92"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -39.95 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

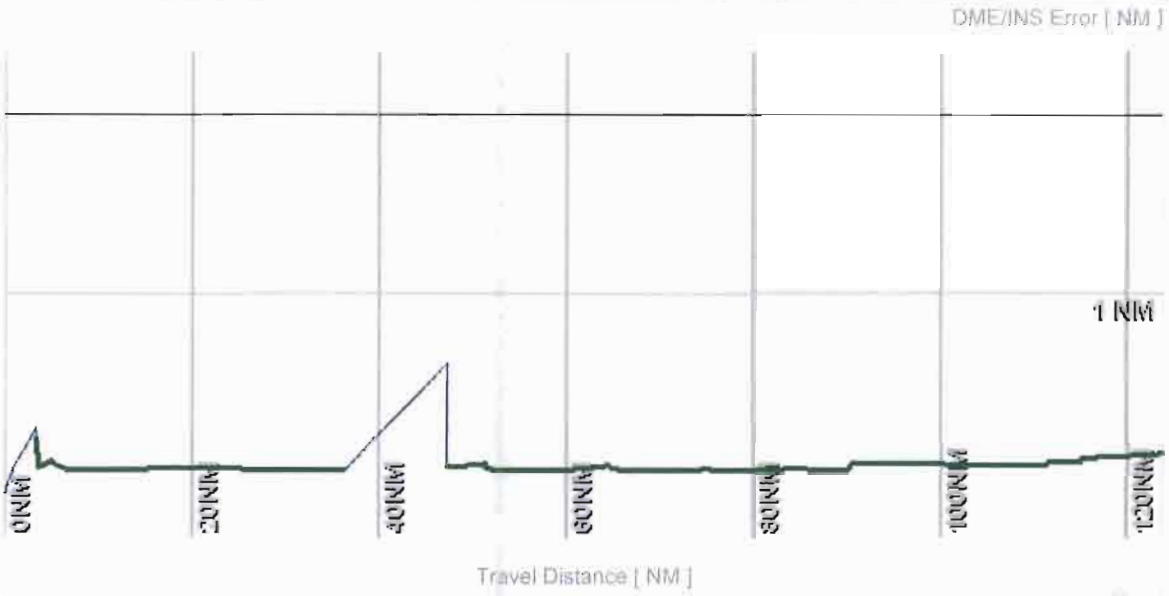
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1312 Ft.

Total Number of DMEs Used: 11

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, SPS, IRW, OKM, IFI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	3.3 %	1.9 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.732	Enabled	33.1 %	26.6 %
3	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	2.1 %	1.2 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.402	Enabled	40.5 %	38.5 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.859	Enabled	17.3 %	20.5 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.859	Enabled	24.7 %	28.5 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.717	Enabled	9.3 %	10.8 %
8	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	15.4 %	19.0 %
9	SPS	N 33° 59' 14.23" W 98° 35' 36.50"	H	Database	NO	0.717	Enabled	20.1 %	25.1 %
10	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	2.3 %	2.9 %
11	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.717	Enabled	1.5 %	1.9 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE					
3.2	CVE	FUZ	TTT	UKW		
11.4	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.0	CVE	FUZ	TTT	UKW	ADM	
44.1	CVE	BYP	URH	UKW	ADM	TTT
74.4	IRW	BYP	SPS	UKW	ADM	FUZ
92.4	IRW	IFI	SPS	UKW	ADM	BYP
113.5	BYP	IFI	SPS	UKW	OKM	IRW

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 44.30" W 97° 3' 3.33"	N 32° 56' 3.97" W 97° 3' 2.32"	3.3
	VOR: CVE	Available from N 32° 52' 44.30" W 97° 3' 3.33" to N 32° 56' 3.97" W 97° 3' 2.32"	
	VOR: FUZ	Available from N 32° 52' 44.30" W 97° 3' 3.33" to N 32° 56' 3.97" W 97° 3' 2.32"	
	VOR: TTT	Available from N 32° 52' 44.30" W 97° 3' 3.33" to N 32° 56' 3.97" W 97° 3' 2.32"	
2	N 33° 28' 55.82" W 97° 6' 19.04"	N 33° 39' 46.68" W 97° 4' 56.19"	10.9
	VOR: CVE	Available from N 33° 28' 55.82" W 97° 6' 19.04" to N 33° 32' 15.06" W 97° 5' 53.67"	
	VOR: FUZ	Available from N 33° 28' 55.82" W 97° 6' 19.04" to N 33° 33' 11.51" W 97° 5' 46.49"	
	VOR: TTT	Available from N 33° 28' 55.82" W 97° 6' 19.04" to N 33° 32' 5.10" W 97° 5' 54.94"	
	VOR: UKW	Available from N 33° 28' 55.82" W 97° 6' 19.04" to N 33° 39' 46.68" W 97° 4' 56.19"	
	VOR: ADM	Available from N 33° 32' 48.27" W 97° 5' 49.44" to N 33° 39' 46.68" W 97° 4' 56.19"	
	VOR: URH	Available from N 33° 36' 57.32" W 97° 5' 17.75" to N 33° 39' 46.68" W 97° 4' 56.19"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
		ESV: Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°			Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.		
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
		ESV: Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°			Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°			Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.		
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
		Restriction: Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

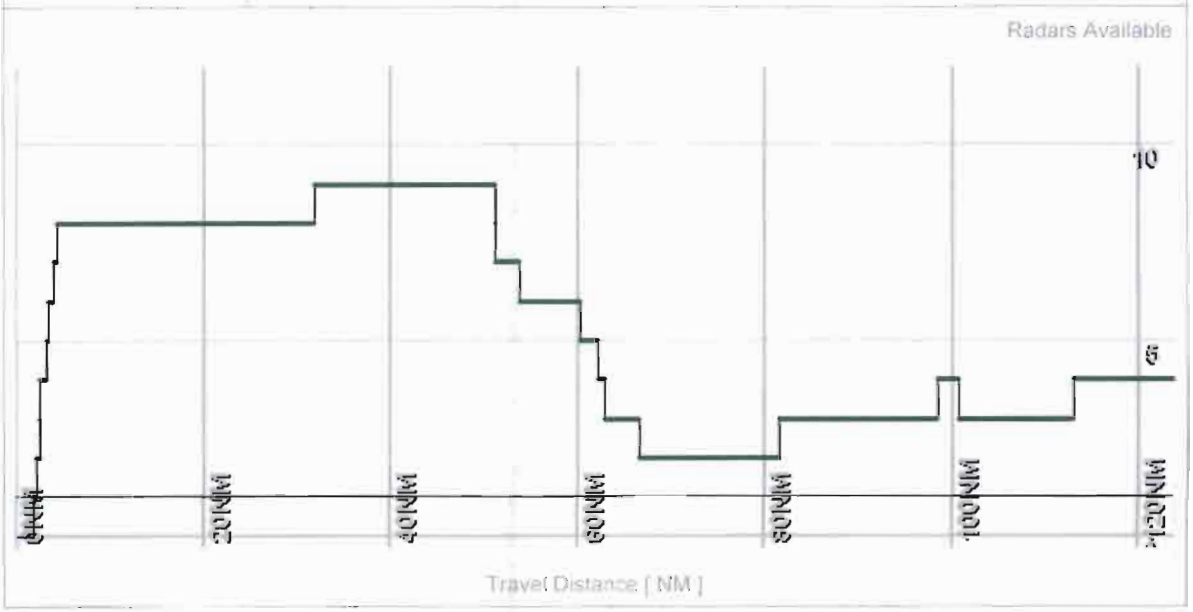
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used

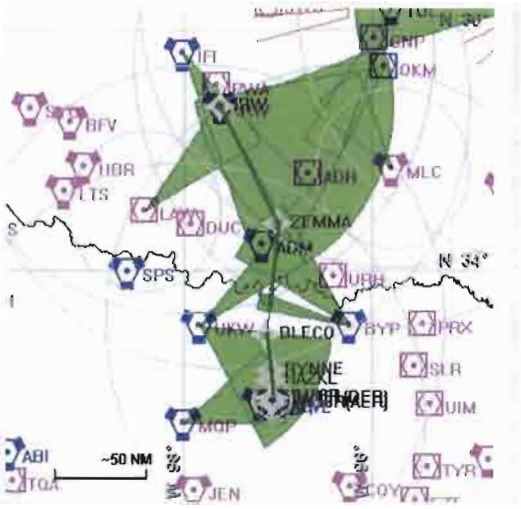
ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°	Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/8/2011 10:30:04 AM
Input File:	BLECO RW36R IRW 2011...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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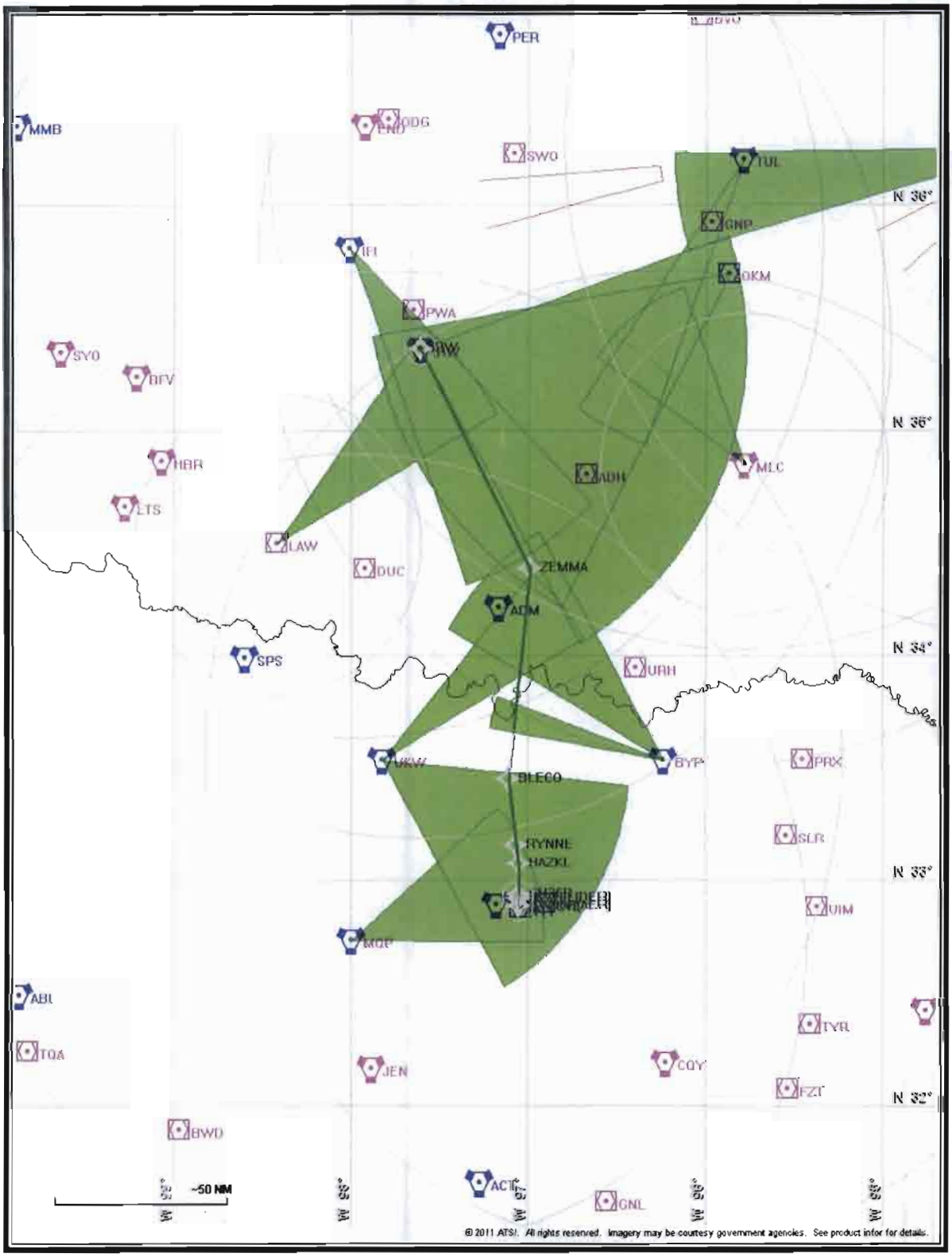
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URH
BYP
PRX
BLECO
RYNNE
HAZKL
SLR
N 33°
UIM
ABL
TQA
TYR
JEN
CQY
FZT
N 32°
BWD
~50 NM
ACT
GNL
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW36R(...	WP	N 32° 52' 44.30" W 97° 3' 3.33"	575.3	VNAV	0.0	Fly Over	TF
RW18L(...	WP	N 32° 54' 56.88" W 97° 3' 2.65"	636.7	VNAV	130.0	Fly Over	VA
GH36R	WP	N 32° 55' 59.19" W 97° 3' 2.33"	1120.0	VNAV	145.0	Fly Over	DF
HAZKL	WP	N 33° 4' 15.04" W 97° 3' 11.58"	5000.0	VNAV	240.0	Fly By	TF
RYNNE	WP	N 33° 9' 13.30" W 97° 3' 55.92"	6000.0	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	11000.0	VNAV	210.0	Fly By	TF
IRW	WP	N 35° 21' 30.95" W 97° 36' 33.22"	11000.0	VNAV	210.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -39.95 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

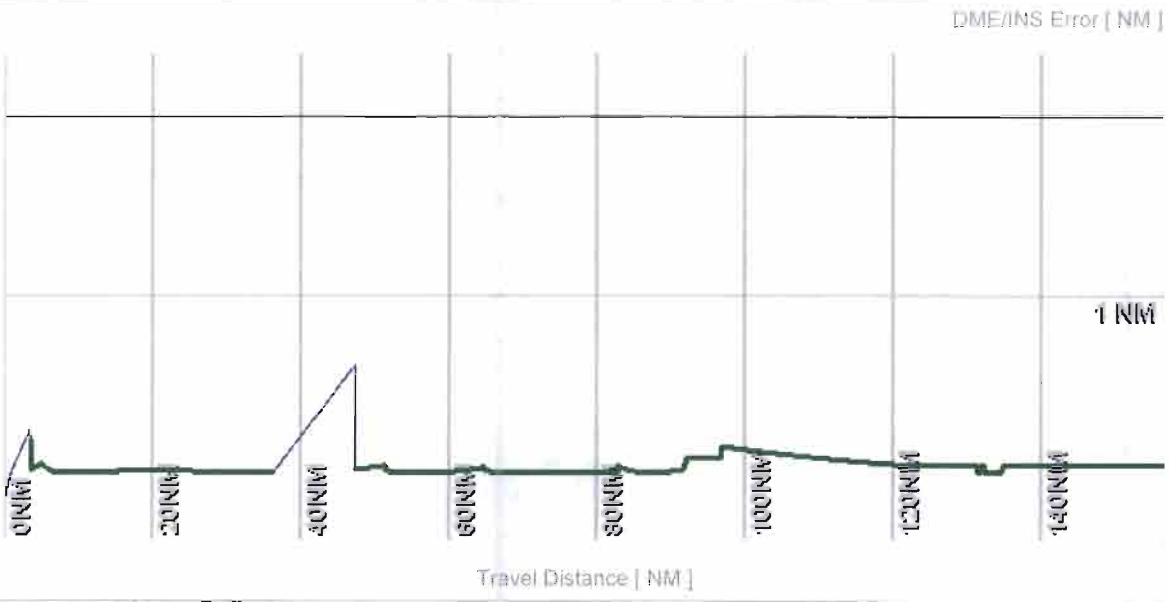
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1312 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM, IFI, IRW, LAW, PWA



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	2.6 %	1.5 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.732	Enabled	25.4 %	21.0 %
3	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	1.6 %	1.0 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.402	Enabled	32.8 %	30.2 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	16.5 %	17.1 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.922	Enabled	22.9 %	23.0 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.754	Enabled	8.5 %	8.5 %
8	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	1.487	Enabled	32.9 %	39.4 %
9	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	19.9 %	23.8 %
10	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L + ESV	User	NO	0.717	Enabled	1.6 %	1.9 %
11	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	4.7 %	5.6 %
12	PWA	N 35° 31' 58.60" W 97° 38' 49.84"	T	Database	NO	0.717	Enabled	7.4 %	8.8 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE					
3.2	CVE	FUZ	TTT	UKW		
11.4	CVE	FUZ	TTT	UKW		
16.5	CVE	FUZ	TTT	UKW		
34.0	CVE	FUZ	TTT	UKW	ADM	
44.1	BYP	OKM	URH	UKW	ADM	
89.8	BYP	OKM	IRW	IFI	ADM	
121.9	LAW	OKM	IRW	IFI	PWA	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 52' 44.30" W 97° 3' 3.33"	N 32° 56' 3.97" W 97° 3' 2.32"	3.3
	VOR: CVE	Available from N 32° 52' 44.30" W 97° 3' 3.33" to N 32° 56' 3.97" W 97° 3' 2.32"	
	VOR: FUZ	Available from N 32° 52' 44.30" W 97° 3' 3.33" to N 32° 56' 3.97" W 97° 3' 2.32"	
	VOR: TTT	Available from N 32° 52' 44.30" W 97° 3' 3.33" to N 32° 56' 3.97" W 97° 3' 2.32"	
2	N 33° 28' 55.82" W 97° 6' 19.03"	N 33° 39' 46.68" W 97° 4' 56.23"	10.9
	VOR: CVE	Available from N 33° 28' 55.82" W 97° 6' 19.03" to N 33° 32' 15.06" W 97° 5' 53.68"	
	VOR: FUZ	Available from N 33° 28' 55.82" W 97° 6' 19.03" to N 33° 33' 11.51" W 97° 5' 46.50"	
	VOR: TTT	Available from N 33° 28' 55.82" W 97° 6' 19.03" to N 33° 32' 5.10" W 97° 5' 54.95"	
	VOR: UKW	Available from N 33° 28' 55.82" W 97° 6' 19.03" to N 33° 39' 46.68" W 97° 4' 56.23"	
	VOR: ADM	Available from N 33° 32' 48.27" W 97° 5' 49.46" to N 33° 39' 46.68" W 97° 4' 56.23"	
	VOR: URH	Available from N 33° 36' 57.32" W 97° 5' 17.78" to N 33° 39' 46.68" W 97° 4' 56.23"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.		
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°			Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.		
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°			Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.		
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°			Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.		
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

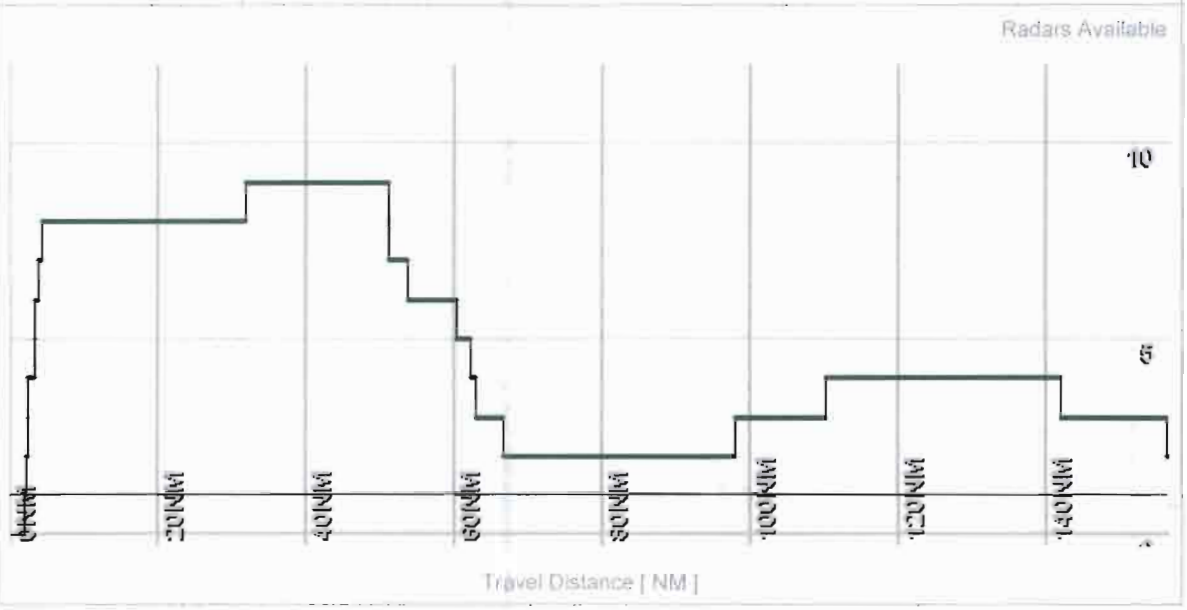
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used

ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°	Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR



Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.34
Date/Time:	9/22/2010 2:44:47 PM
Input File:	Grid Area Assessment
Databases:	AVNIS Date: 04/05/2010
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Grid ✔ DME/DME Grid Analysis

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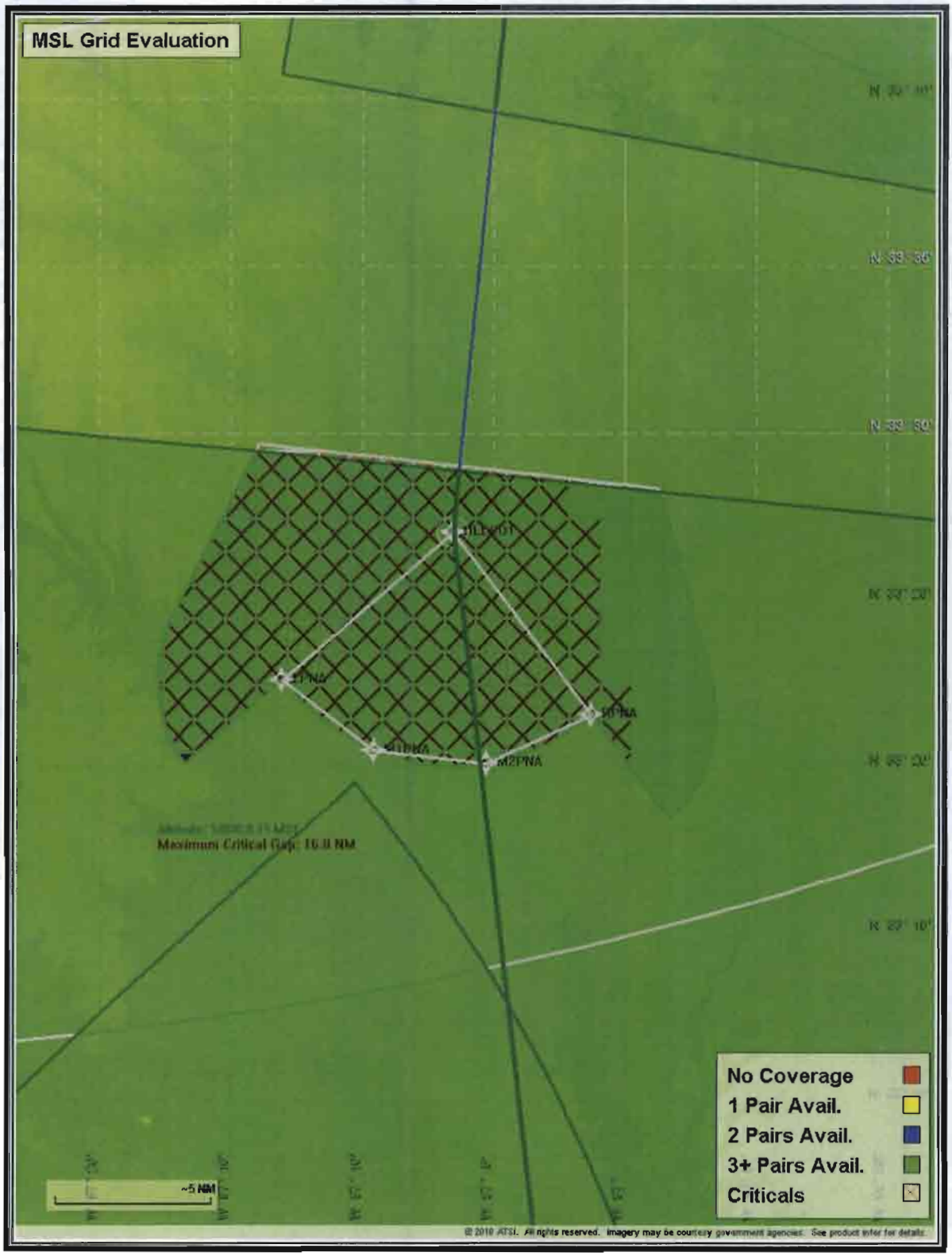

MSL Grid Evaluation
M2FNA
No Coverage
1 Pair Avail.
2 Pairs Avail.
3+ Pairs Avail.
Criticals
~5 NM

DME/DME Grid Analysis

Return To Summary

Coverage Exists (Criticals)

Settings:

Polygon Grid Definition:

1	Lat: N 33° 22' 38.33" Lon: W 97° 13' 2.95"	21	Lat: N 33° 19' 51.08" Lon: W 96° 56' 59.44"
2	Lat: N 33° 20' 7.31" Lon: W 97° 16' 45.91"	22	Lat: N 33° 19' 25.44" Lon: W 96° 57' 16.48"
3	Lat: N 33° 20' 31.23" Lon: W 97° 17' 6.19"	23	Lat: N 33° 19' 1.73" Lon: W 96° 57' 37.10"
4	Lat: N 33° 20' 57.05" Lon: W 97° 17' 22.84"	24	Lat: N 33° 18' 40.31" Lon: W 96° 58' 1.01"
5	Lat: N 33° 21' 24.37" Lon: W 97° 17' 35.62"	25	Lat: N 33° 18' 27.89" Lon: W 96° 58' 17.95"
6	Lat: N 33° 21' 52.81" Lon: W 97° 17' 44.35"	26	Lat: N 33° 21' 35.08" Lon: W 97° 1' 17.75"
7	Lat: N 33° 22' 21.92" Lon: W 97° 17' 48.87"	27	Lat: N 33° 21' 35.08" Lon: W 97° 1' 17.75"
8	Lat: N 33° 22' 51.27" Lon: W 97° 17' 49.14"	28	Lat: N 33° 21' 5.36" Lon: W 97° 2' 7.69"
9	Lat: N 33° 23' 20.44" Lon: W 97° 17' 45.14"	29	Lat: N 33° 20' 40.95" Lon: W 97° 3' 1.56"
10	Lat: N 33° 23' 48.98" Lon: W 97° 17' 36.93"	30	Lat: N 33° 20' 22.24" Lon: W 97° 3' 58.57"
11	Lat: N 33° 24' 16.47" Lon: W 97° 17' 24.63"	31	Lat: N 33° 20' 9.48" Lon: W 97° 4' 57.86"
12	Lat: N 33° 24' 33.39" Lon: W 97° 17' 14.65"	32	Lat: N 33° 20' 2.88" Lon: W 97° 5' 58.56"
13	Lat: N 33° 29' 42.48" Lon: W 97° 13' 54.00"	33	Lat: N 33° 20' 2.53" Lon: W 97° 6' 59.76"
14	Lat: N 33° 28' 21.67" Lon: W 96° 58' 42.26"	34	Lat: N 33° 20' 8.43" Lon: W 97° 8' 0.57"
15	Lat: N 33° 22' 42.85" Lon: W 96° 56' 42.80"	35	Lat: N 33° 20' 20.51" Lon: W 97° 9' 0.06"
16	Lat: N 33° 22' 14.23" Lon: W 96° 56' 35.02"	36	Lat: N 33° 20' 38.57" Lon: W 97° 9' 57.37"
17	Lat: N 33° 21' 45.03" Lon: W 96° 56' 31.45"	37	Lat: N 33° 21' 2.35" Lon: W 97° 10' 51.63"

DME/DME Grid Analysis (Continued.)

Return To Summary

Coverage Exists (Criticals)

Settings:

Polygon Grid Definition:

18	Lat: N 33° 21' 15.67" Lon: W 96° 56' 32.16"	**38**	Lat: N 33° 21' 31.49" Lon: W 97° 11' 42.04"
19	Lat: N 33° 20' 46.61" Lon: W 96° 56' 37.12"	**39**	Lat: N 33° 22' 5.58" Lon: W 97° 12' 27.86"
20	Lat: N 33° 20' 18.27" Lon: W 96° 56' 46.26"	**40**	Lat: N 33° 22' 38.33" Lon: W 97° 13' 2.95"

Lat Step: 1 NM
Lon Step: 1 NM
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Co-Frequencies: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , and User
DME Include Angles: 30 to 150
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Altitude: Scanning For Minimum Passing Alt every 1000.0 Ft. MSL

DME/DME Grid Analysis (Continued.)

Return To Summary

Passing Altitude: 5000.0 Ft.

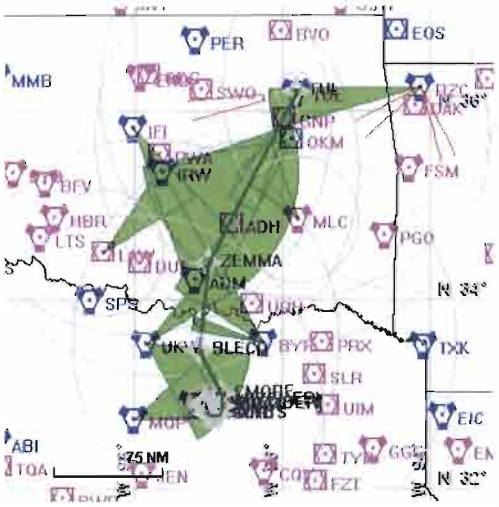
Maximum Gap: 0.0 NM

Maximum Critical Gap: 16.0 NM

	AGL Altitudes
Min Cell Altitude	4,120.7 Ft.
Max Cell Altitude	4,402.9 Ft.
Mean Cell Altitude	4,273.8 Ft.
Std. Dev. Cell Altitude	61.1 Ft.

Statistics based only on passing cells.

Most Used DMEs: TTT (172), FUZ (172), CVE (171), UKW (170), and BYP (37).



Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/5/2011 1:03:22 PM
Input File:	BLECO RW17C TUL 2011...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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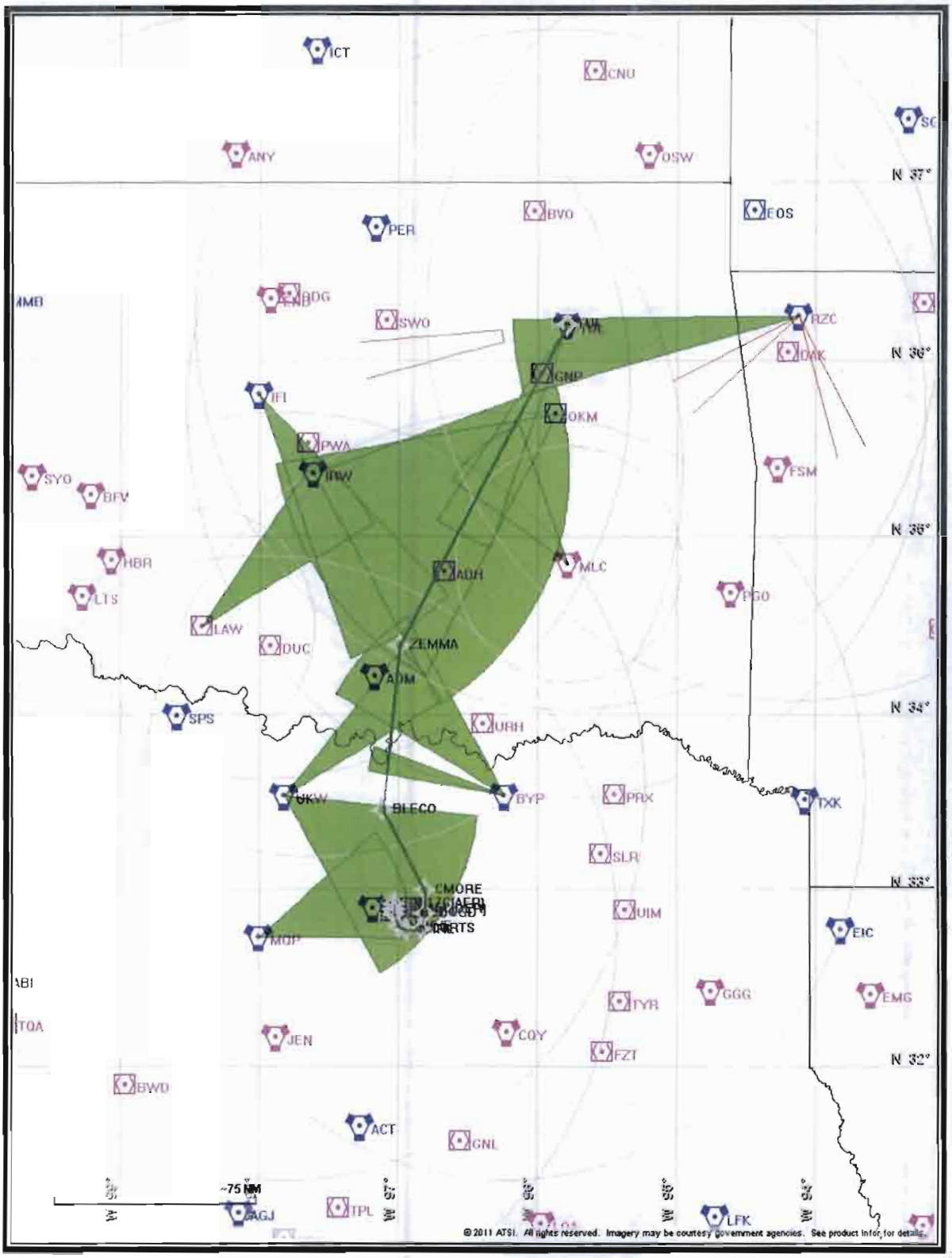
ICT
CNU
ANY
OSW
N 37°
BVO
EOS
PER
SWO
RZC
N 36°
GNP
IFI
OKM
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SYO
FSM
N 35°
HBR
MLC
LTS
PGO
LAW
DUC
ZEMMA
ADM
SPS
N 34°
URH
BYP
PRX
TXK
BLECO
SLR
N 33°
UIM
EIC
GGG
EMG
TYR
JEN
CQY
FZT
N 32°
BWD
ACT
GNL
~75 NM
AGJ
TPL
LFK
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW17C(...	WP	N 32° 54' 56.54" W 97° 1' 33.50"	561.9	VNAV	0.0	Fly By	TF
RW35C(...	WP	N 32° 52' 43.96" W 97° 1' 34.22"	597.2	VNAV	130.0	Fly Over	VI
GH17C	WP	N 32° 51' 8.20" W 97° 1' 34.73"	1107.0	VNAV	145.0	Fly By	CF - 159.2°
NAVYE	WP	N 32° 46' 57.75" W 96° 59' 42.05"	2086.9	VNAV	180.0	Fly By	TF
JGIRL	WP	N 32° 45' 54.36" W 96° 56' 21.63"	5000.0	VNAV	240.0	Fly By	TF
CORTS	WP	N 32° 46' 7.65" W 96° 49' 53.59"	6091.6	VNAV	180.0	Fly By	TF
BIGGD	WP	N 32° 51' 31.59" W 96° 48' 33.10"	7192.7	VNAV	180.0	Fly By	TF
CMORE	WP	N 32° 59' 16.66" W 96° 48' 32.49"	8739.9	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	13000.0	VNAV	210.0	Fly By	TF
TUL	WP	N 36° 11' 46.54" W 95° 47' 17.11"	13000.0	VNAV	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -25.37 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

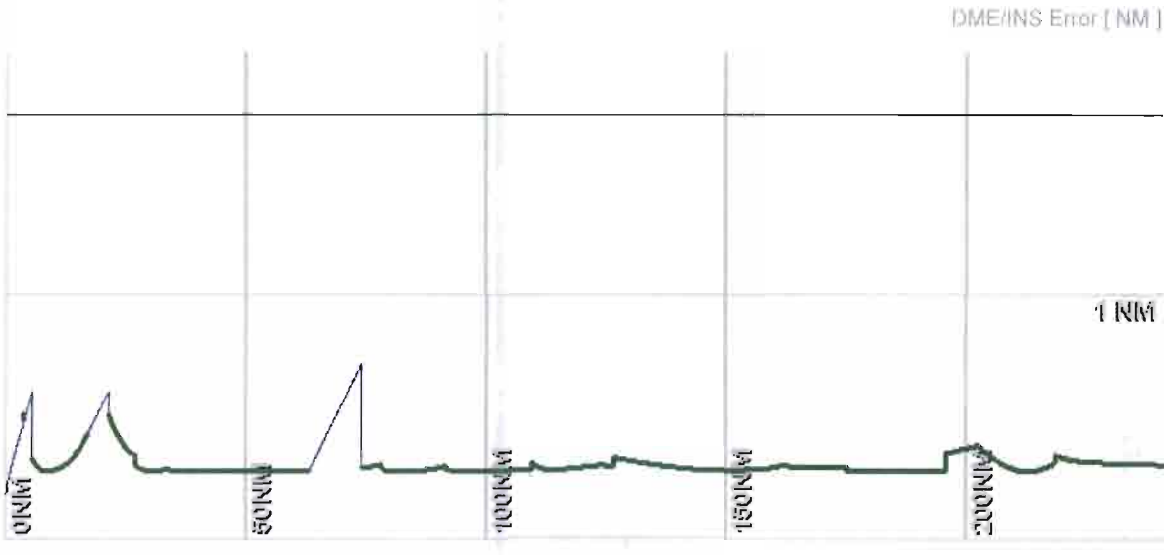
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 978 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: FUZ, CVE, TTT, UKW, ADM, BYP, URH, OKM, ADH, IRW, IFI, TUL, MLC, RZC



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	1.429	Enabled	10.3 %	7.5 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.721	Enabled	16.4 %	13.2 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.512	Enabled	25.2 %	24.9 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	6.7 %	6.3 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	10.0 %	11.0 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.909	Enabled	17.3 %	18.2 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.741	Enabled	5.7 %	5.5 %
8	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	1.433	Enabled	21.7 %	24.5 %
9	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.868	Enabled	33.8 %	38.1 %
10	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H + ESV	User	NO	1.043	Enabled	14.1 %	15.9 %
11	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L + ESV	User	NO	0.717	Enabled	7.6 %	8.5 %
12	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H + ESV	User	NO	1.012	Enabled	8.3 %	9.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE	FUZ				
3.6	CVE	FUZ	TTT			
8.0	CVE	FUZ	TTT			
11.0	CVE	FUZ	TTT	UKW		
15.5	CVE	FUZ	TTT	UKW		
21.5	CVE	FUZ	TTT	UKW		
29.0	CVE	FUZ	TTT	UKW		
60.5	CVE	FUZ	TTT	UKW	ADM	
70.6	BYP	OKM	URH	UKW	ADM	
116.5	BYP	OKM	IRW	ADH	ADM	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
131.9	ADM	OKM	IRW	IFI		
160.9	TUL	OKM	IRW	MLC	RZC	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.54" W 97° 1' 33.50"	N 32° 51' 22.86" W 97° 1' 34.65"	3.6
	VOR: CVE	Available from N 32° 54' 56.54" W 97° 1' 33.50" to N 32° 51' 22.86" W 97° 1' 34.65"	
	VOR: FUZ	Available from N 32° 54' 56.54" W 97° 1' 33.50" to N 32° 51' 22.86" W 97° 1' 34.65"	
	VOR: TTT	Available from N 32° 54' 56.54" W 97° 1' 33.50" to N 32° 51' 22.86" W 97° 1' 34.65"	
2	N 32° 51' 12.85" W 97° 1' 34.58"	N 32° 49' 40.44" W 97° 0' 56.16"	1.6
	VOR: CVE	Available from N 32° 51' 12.85" W 97° 1' 34.58" to N 32° 49' 40.44" W 97° 0' 56.16"	
	VOR: FUZ	Available from N 32° 51' 12.85" W 97° 1' 34.58" to N 32° 49' 40.44" W 97° 0' 56.16"	
	VOR: TTT	Available from N 32° 51' 12.85" W 97° 1' 34.58" to N 32° 49' 40.44" W 97° 0' 56.16"	
3	N 32° 46' 34.46" W 96° 49' 59.39"	N 32° 50' 48.79" W 96° 48' 43.57"	4.4
	VOR: CVE	Available from N 32° 46' 34.46" W 96° 49' 59.39" to N 32° 50' 48.79" W 96° 48' 43.57"	
	VOR: FUZ	Available from N 32° 46' 34.46" W 96° 49' 59.39" to N 32° 50' 48.79" W 96° 48' 43.57"	
	VOR: TTT	Available from N 32° 46' 34.46" W 96° 49' 59.39" to N 32° 50' 48.79" W 96° 48' 43.57"	
4	N 33° 28' 57.42" W 97° 6' 18.29"	N 33° 39' 48.31" W 97° 4' 55.82"	10.9
	VOR: CVE	Available from N 33° 28' 57.42" W 97° 6' 18.29" to N 33° 32' 16.68" W 97° 5' 53.07"	
	VOR: FUZ	Available from N 33° 28' 57.42" W 97° 6' 18.29" to N 33° 33' 13.13" W 97° 5' 45.92"	
	VOR: TTT	Available from N 33° **28' 57.42**" W 97° 6' 18.29" to N 33° **32' 6.72**" W 97° 5' 54.34"	
	VOR: UKW	Available from N 33° 28' 57.42" W 97° 6' 18.29" to N 33° 39' 48.31" W 97° 4' 55.82"	
	VOR: ADM	Available from N 33° 32' 49.89" W 97° 5' 48.87" to N 33° 39' 48.31" W 97° 4' 55.82"	
	VOR: URH	Available from N 33° 36' 58.95" W 97° 5' 17.30" to N 33° 39' 48.31" W 97° 4' 55.82"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

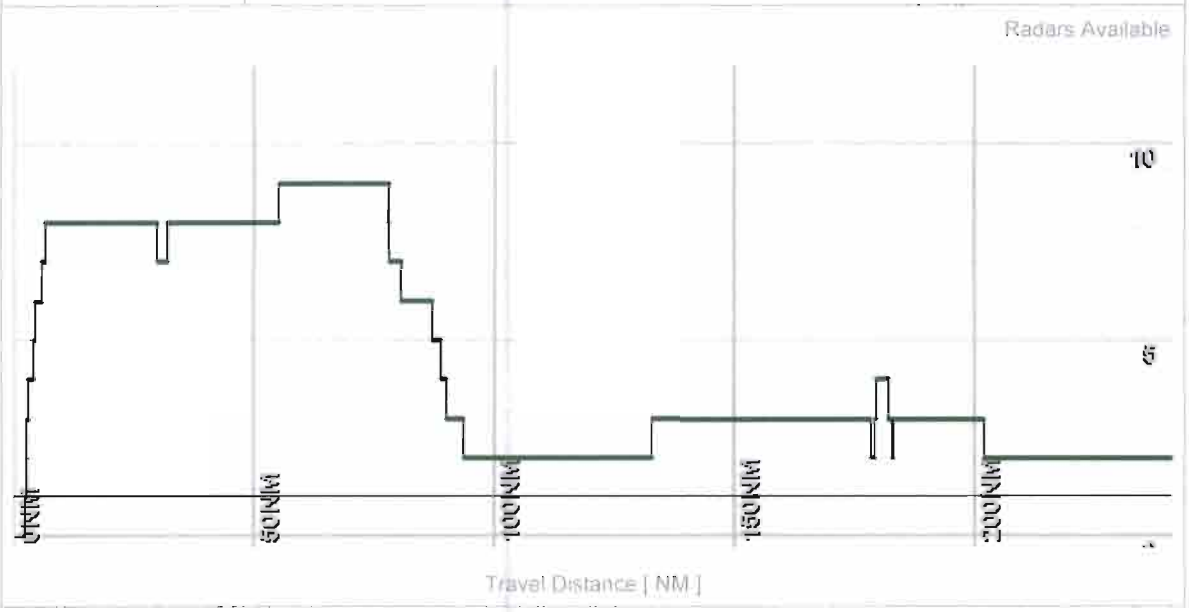
User DMEs (Continued.)

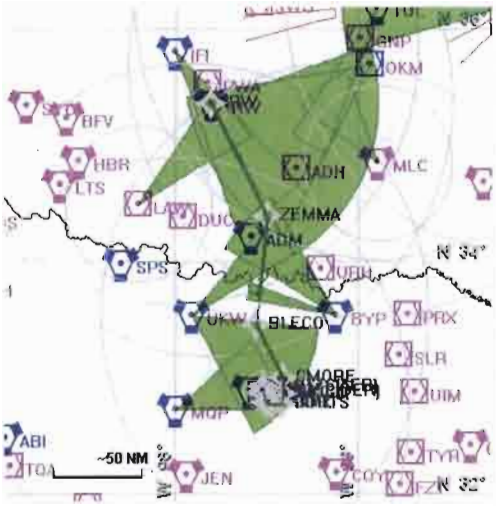
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.			

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/5/2011 12:44:44 PM
Input File:	BLECO RW17C IRW 2011...
Databases:	AVNIS Date: 08/26/2011 NFD Date: 07/02/2009 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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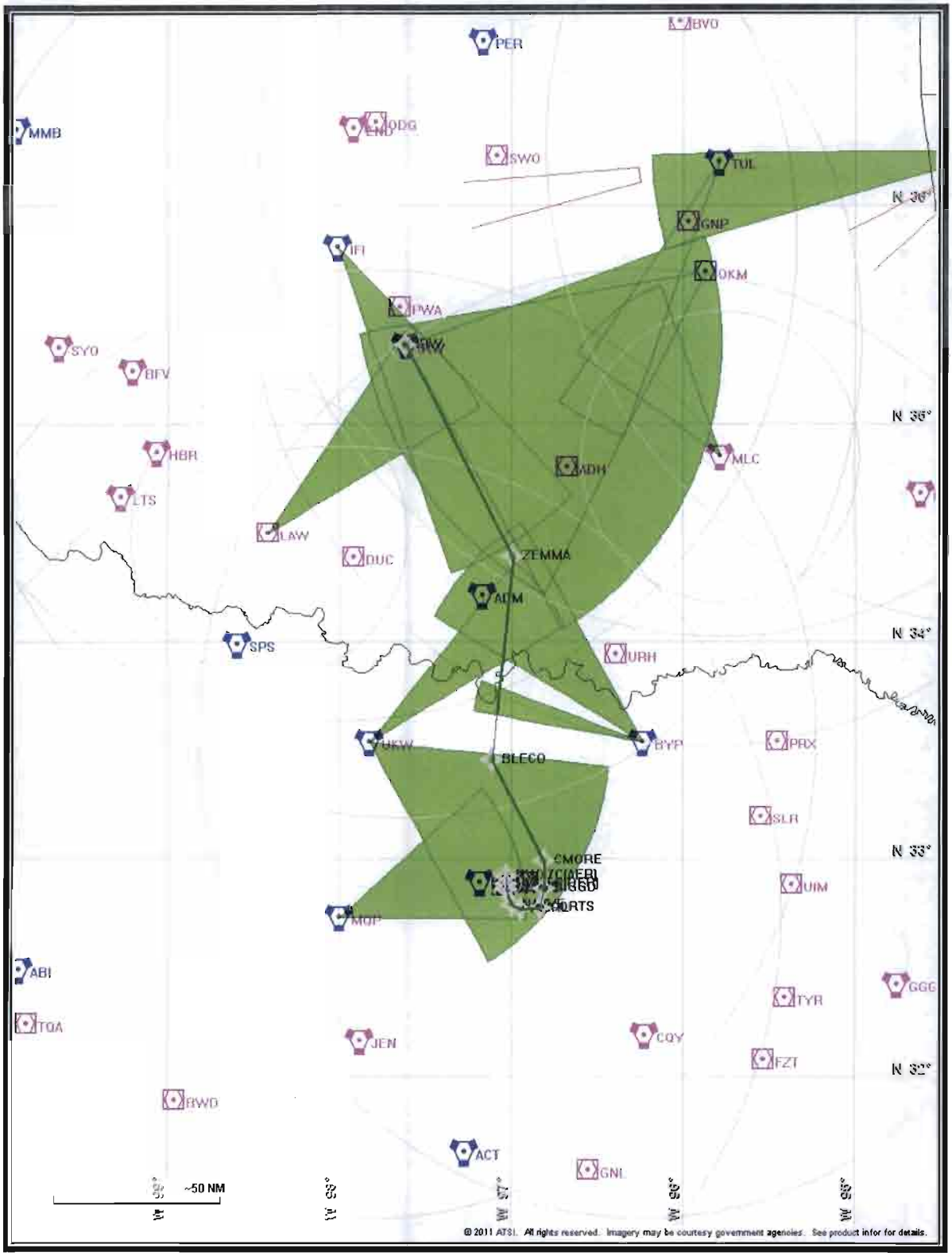
PER
BVO
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DUC
ZEMMA
ADM
SPS
URH
UKW
BLECO
BYP
PRX
SLR
CMORE
UIM
MOP
ABI
TQA
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TYR
JEN
CQY
FZT
BWD
ACT
GNL
~50 NM
N 36°
N 34°
N 33°
N 32°
W 102°
W 101°
W 100°
W 99°
W 98°
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW17C(...	WP	N 32° 54' 56.54" W 97° 1' 33.50"	561.9	VNAV	0.0	Fly By	TF
RW35C(...	WP	N 32° 52' 43.96" W 97° 1' 34.22"	597.2	VNAV	130.0	Fly Over	VI
GH17C	WP	N 32° 51' 8.20" W 97° 1' 34.73"	1107.0	VNAV	145.0	Fly By	CF - 159.2°
NAVYE	WP	N 32° 46' 57.75" W 96° 59' 42.05"	2086.9	VNAV	180.0	Fly By	TF
JGIRL	WP	N 32° 45' 54.36" W 96° 56' 21.63"	5000.0	VNAV	240.0	Fly By	TF
CORTS	WP	N 32° 46' 7.65" W 96° 49' 53.59"	6091.6	VNAV	180.0	Fly By	TF
BIGGD	WP	N 32° 51' 31.59" W 96° 48' 33.10"	7192.7	VNAV	180.0	Fly By	TF
CMORE	WP	N 32° 59' 16.66" W 96° 48' 32.49"	8739.9	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	11000.0	VNAV	210.0	Fly By	TF
IRW	WP	N 35° 21' 30.95" W 97° 36' 33.22"	11000.0	VNAV	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -25.37 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

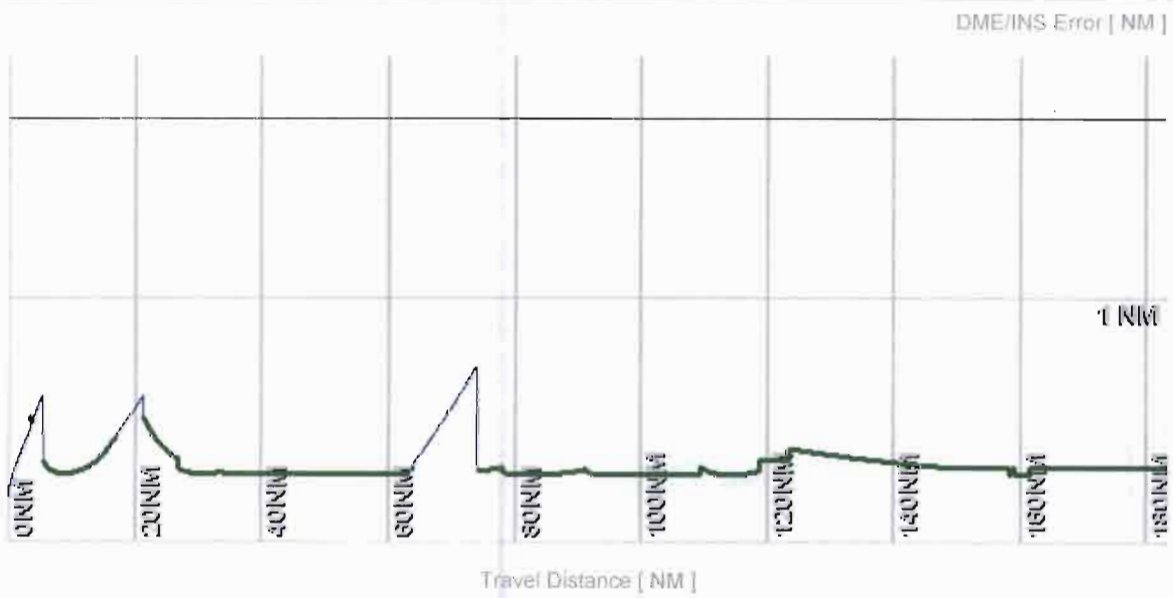
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 978 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: FUZ, CVE, TTT, UKW, ADM, BYP, URH, OKM, IFI, IRW, LAW, PWA



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	1.429	Enabled	12.8 %	9.8 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.721	Enabled	20.3 %	17.3 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.512	Enabled	32.8 %	32.8 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	8.2 %	8.2 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	14.1 %	14.6 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.922	Enabled	19.6 %	19.7 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	7.3 %	7.3 %
8	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	1.488	Enabled	28.1 %	33.7 %
9	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	17.0 %	20.3 %
10	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L + ESV	User	NO	0.717	Enabled	1.3 %	1.6 %
11	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	4.0 %	4.8 %
12	PWA	N 35° 31' 58.60" W 97° 38' 49.84"	T	Database	NO	0.717	Enabled	6.3 %	7.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE	FUZ				
3.6	CVE	FUZ	TTT			
8.0	CVE	FUZ	TTT			
11.0	CVE	FUZ	TTT	UKW		
15.5	CVE	FUZ	TTT	UKW		
21.5	CVE	FUZ	TTT	UKW		
29.0	CVE	FUZ	TTT	UKW		
60.5	CVE	FUZ	TTT	UKW	ADM	
70.6	BYP	OKM	URH	UKW	ADM	
116.5	BYP	OKM	IRW	IFI	ADM	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
148.6	LAW	OKM	IRW	IFI	PWA	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.54" W 97° 1' 33.50"	N 32° 51' 22.86" W 97° 1' 34.65"	3.6
	VOR: CVE	Available from N 32° 54' 56.54" W 97° 1' 33.50" to N 32° 51' 22.86" W 97° 1' 34.65"	
	VOR: FUZ	Available from N 32° 54' 56.54" W 97° 1' 33.50" to N 32° 51' 22.86" W 97° 1' 34.65"	
	VOR: TTT	Available from N 32° 54' 56.54" W 97° 1' 33.50" to N 32° 51' 22.86" W 97° 1' 34.65"	
2	N 32° 51' 12.85" W 97° 1' 34.58"	N 32° 49' 40.44" W 97° 0' 56.16"	1.6
	VOR: CVE	Available from N 32° 51' 12.85" W 97° 1' 34.58" to N 32° 49' 40.44" W 97° 0' 56.16"	
	VOR: FUZ	Available from N 32° 51' 12.85" W 97° 1' 34.58" to N 32° 49' 40.44" W 97° 0' 56.16"	
	VOR: TTT	Available from N 32° 51' 12.85" W 97° 1' 34.58" to N 32° 49' 40.44" W 97° 0' 56.16"	
3	N 32° 46' 34.46" W 96° 49' 59.39"	N 32° 50' 48.79" W 96° 48' 43.57"	4.4
	VOR: CVE	Available from N 32° 46' 34.46" W 96° 49' 59.39" to N 32° 50' 48.79" W 96° 48' 43.57"	
	VOR: FUZ	Available from N 32° 46' 34.46" W 96° 49' 59.39" to N 32° 50' 48.79" W 96° 48' 43.57"	
	VOR: TTT	Available from N 32° 46' 34.46" W 96° 49' 59.39" to N 32° 50' 48.79" W 96° 48' 43.57"	
4	N 33° 28' 57.42" W 97° 6' 18.29"	N 33° 39' 48.31" W 97° 4' 55.82"	10.9
	VOR: CVE	Available from N 33° 28' 57.42" W 97° 6' 18.29" to N 33° 32' 16.68" W 97° 5' 53.07"	
	VOR: FUZ	Available from N 33° 28' 57.42" W 97° 6' 18.29" to N 33° 33' 13.13" W 97° 5' 45.92"	
	VOR: TTT	Available from N 33° 28' 57.42" W 97° 6' 18.29" to N 33° 32' 6.71" W 97° 5' 54.34"	
	VOR: UKW	Available from N 33° 28' 57.42" W 97° 6' 18.29" to N 33° 39' 48.31" W 97° 4' 55.82"	
	VOR: ADM	Available from N 33° 32' 49.89" W 97° 5' 48.87" to N 33° 39' 48.31" W 97° 4' 55.82"	
	VOR: URH	Available from N 33° 36' 58.95" W 97° 5' 17.30" to N 33° 39' 48.31" W 97° 4' 55.82"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

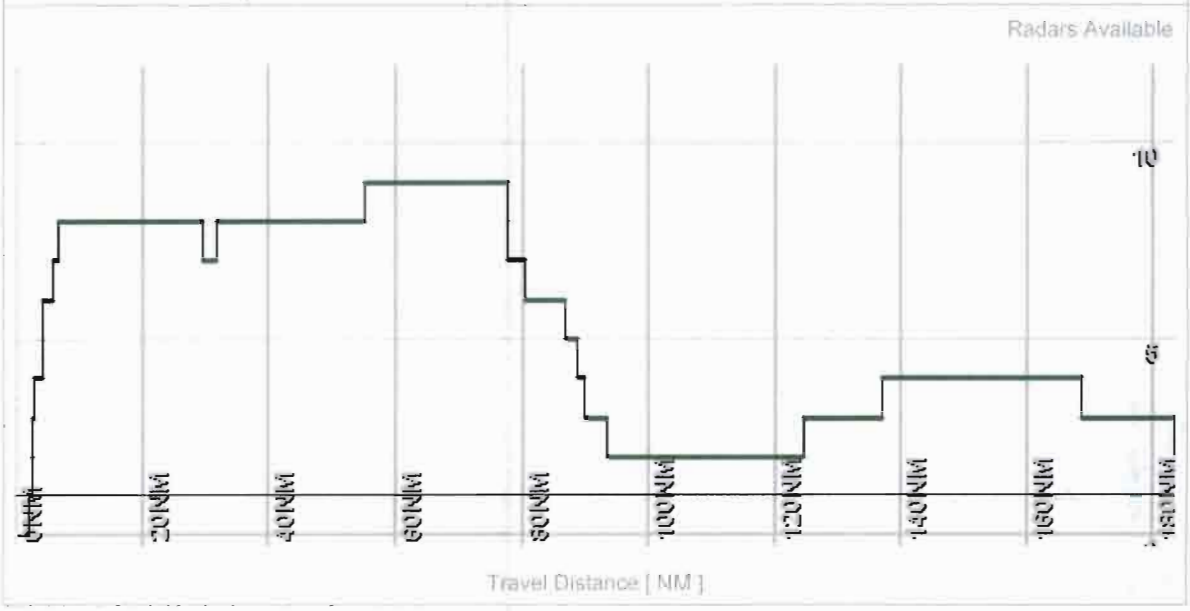
User DMEs (Continued.)

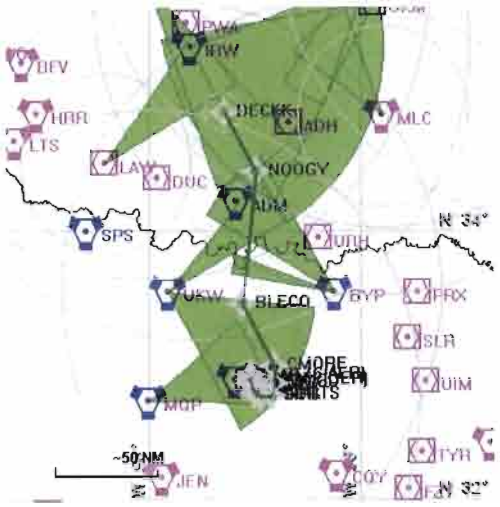
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.			

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/5/2011 11:54:58 AM
Input File:	BLECO RW17C DECKK 20...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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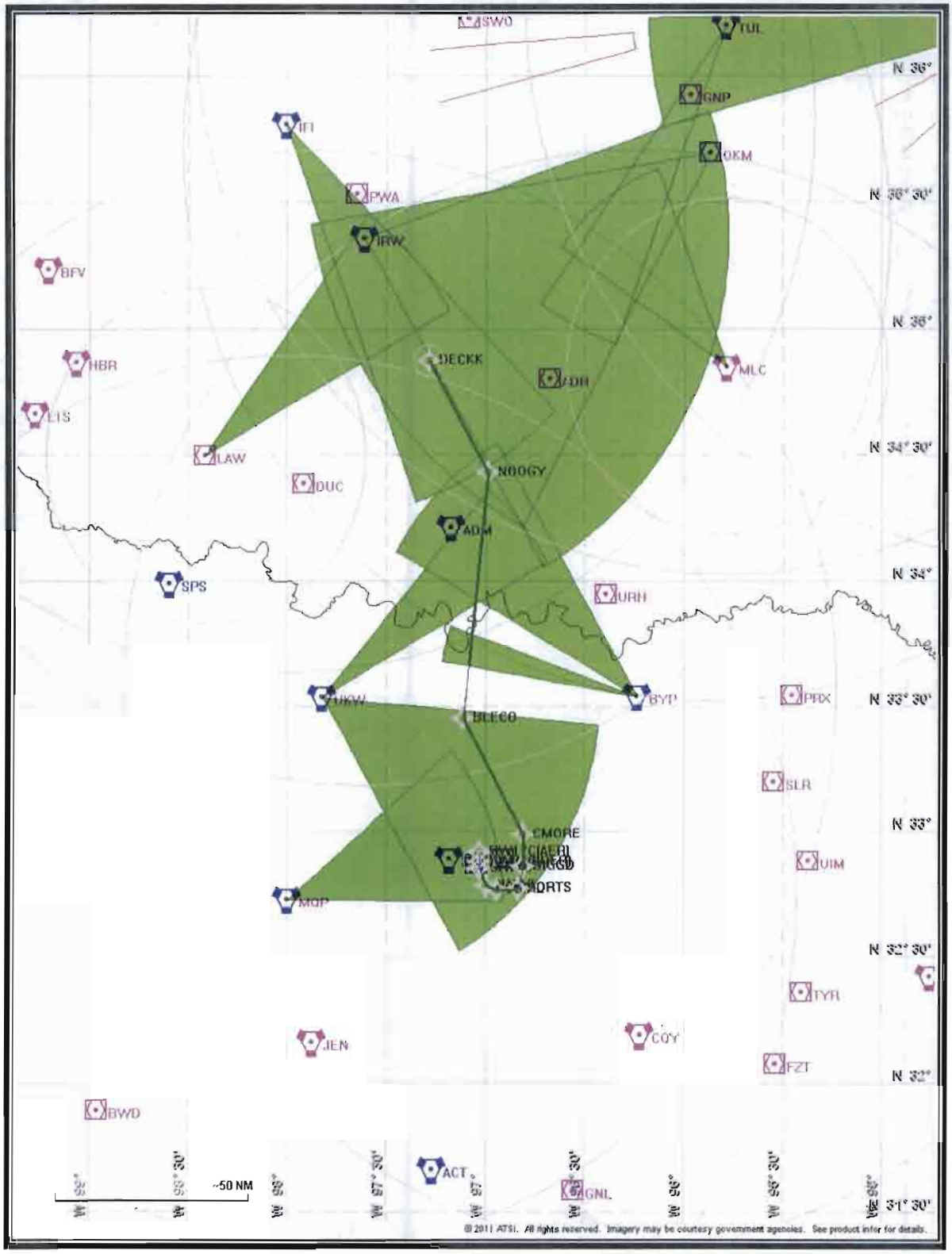
SWO
TUL
GNP
IFI
OKM
PWA
IRW
BFV
HBR
DECKK
ADH
MLC
LTS
LAW
NOOGY
DUC
ADM
SPS
URH
HKW
BYP
PRX
BLECO
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N 31° 30'
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW17C(...	WP	N 32° 54' 56.54" W 97° 1' 33.50"	561.9	VNAV	0.0	Fly By	TF
RW35C(...	WP	N 32° 52' 43.96" W 97° 1' 34.22"	597.2	VNAV	130.0	Fly Over	VI
GH17C	WP	N 32° 51' 8.20" W 97° 1' 34.73"	1107.0	VNAV	145.0	Fly By	CF - 159.2°
NAVYE	WP	N 32° 46' 57.75" W 96° 59' 42.05"	2086.9	VNAV	180.0	Fly By	TF
JGIRL	WP	N 32° 45' 54.36" W 96° 56' 21.63"	5000.0	VNAV	240.0	Fly By	TF
CORTS	WP	N 32° 46' 7.65" W 96° 49' 53.59"	6091.6	VNAV	180.0	Fly By	TF
BIGGD	WP	N 32° 51' 31.59" W 96° 48' 33.10"	7192.7	VNAV	180.0	Fly By	TF
CMORE	WP	N 32° 59' 16.66" W 96° 48' 32.49"	8739.9	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
NOOGY	WP	N 34° 25' 39.22" W 96° 59' 3.44"	18000.0	VNAV	240.0	Fly By	TF
DECKK	WP	N 34° 52' 22.12" W 97° 16' 51.92"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -25.37 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

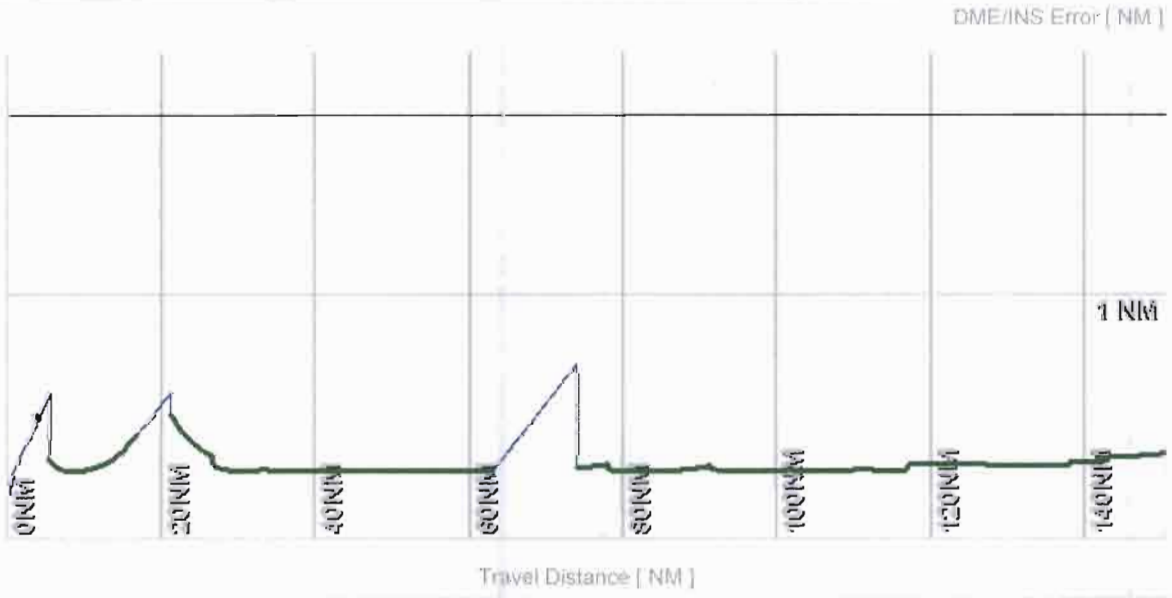
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 978 Ft.

Total Number of DMEs Used: 11

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: FUZ, CVE, TTT, UKW, ADM, BYP, URH, SPS, IRW, OKM, IFI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	1.429	Enabled	16.0 %	12.0 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.721	Enabled	25.3 %	21.1 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.512	Enabled	39.1 %	40.2 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	10.3 %	10.0 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.859	Enabled	14.2 %	16.9 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.859	Enabled	20.2 %	23.4 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.717	Enabled	7.6 %	8.8 %
8	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	12.6 %	15.6 %
9	SPS	N 33° 59' 14.23" W 98° 35' 36.50"	H	Database	NO	0.717	Enabled	16.4 %	20.6 %
10	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	1.9 %	2.4 %
11	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.717	Enabled	1.2 %	1.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE	FUZ				
3.6	CVE	FUZ	TTT			
8.0	CVE	FUZ	TTT			
11.0	CVE	FUZ	TTT	UKW		
15.5	CVE	FUZ	TTT	UKW		
21.5	CVE	FUZ	TTT	UKW		
29.0	CVE	FUZ	TTT	UKW		
60.5	CVE	FUZ	TTT	UKW	ADM	
70.6	CVE	BYP	URH	UKW	ADM	
100.8	IRW	BYP	SPS	UKW	ADM	FUZ
119.1	IRW	BYP	SPS	OKM	IFI	UKW

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.54" W 97° 1' 33.50"	N 32° 51' 22.86" W 97° 1' 34.65"	3.6
	VOR: CVE	Available from N 32° 54' 56.54" W 97° 1' 33.50" to N 32° 51' 22.86" W 97° 1' 34.65"	
	VOR: FUZ	Available from N 32° 54' 56.54" W 97° 1' 33.50" to N 32° 51' 22.86" W 97° 1' 34.65"	
	VOR: TTT	Available from N 32° 54' 56.54" W 97° 1' 33.50" to N 32° 51' 22.86" W 97° 1' 34.65"	
2	N 32° 51' 12.85" W 97° 1' 34.58"	N 32° 49' 40.44" W 97° 0' 56.16"	1.6
	VOR: CVE	Available from N 32° 51' 12.85" W 97° 1' 34.58" to N 32° 49' 40.44" W 97° 0' 56.16"	
	VOR: FUZ	Available from N 32° 51' 12.85" W 97° 1' 34.58" to N 32° 49' 40.44" W 97° 0' 56.16"	
	VOR: TTT	Available from N 32° 51' 12.85" W 97° 1' 34.58" to N 32° 49' 40.44" W 97° 0' 56.16"	
3	N 32° 46' 34.46" W 96° 49' 59.39"	N 32° 50' 48.79" W 96° 48' 43.57"	4.4
	VOR: CVE	Available from N 32° 46' 34.46" W 96° 49' 59.39" to N 32° 50' 48.79" W 96° 48' 43.57"	
	VOR: FUZ	Available from N 32° 46' 34.46" W 96° 49' 59.39" to N 32° 50' 48.79" W 96° 48' 43.57"	
	VOR: TTT	Available from N 32° 46' 34.46" W 96° 49' 59.39" to N 32° 50' 48.79" W 96° 48' 43.57"	
4	N 33° 28' 57.42" W 97° 6' 18.28"	N 33° 39' 48.31" W 97° 4' 55.77"	10.9
	VOR: CVE	Available from N 33° 28' 57.42" W 97° 6' 18.28" to N 33° 32' 16.68" W 97° 5' 53.05"	
	VOR: FUZ	Available from N 33° 28' 57.42" W 97° 6' 18.28" to N 33° 33' 13.13" W 97° 5' 45.90"	
	VOR: TTT	Available from N 33° 28' 57.42" W 97° 6' 18.28" to N 33° 32' 6.71" W 97° 5' 54.32"	
	VOR: UKW	Available from N 33° 28' 57.42" W 97° 6' 18.28" to N 33° 39' 48.31" W 97° 4' 55.77"	
	VOR: ADM	Available from N 33° 32' 49.89" W 97° 5' 48.85" to N 33° 39' 48.31" W 97° 4' 55.77"	
	VOR: URH	Available from N 33° 36' 58.95" W 97° 5' 17.26" to N 33° 39' 48.31" W 97° 4' 55.77"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

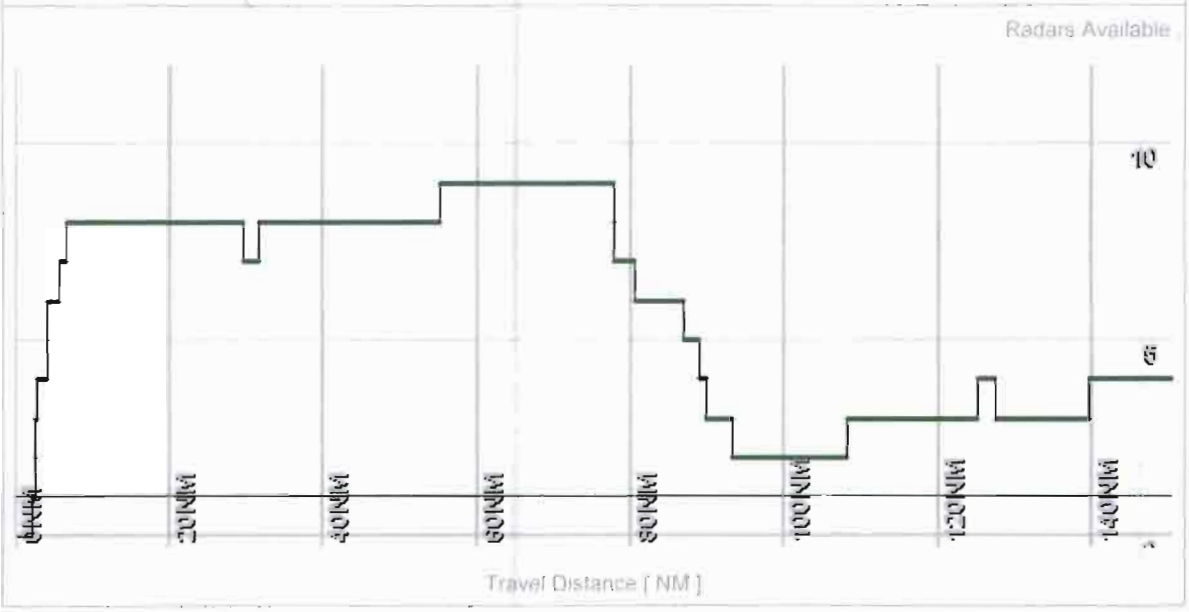
User DMEs (Continued.)

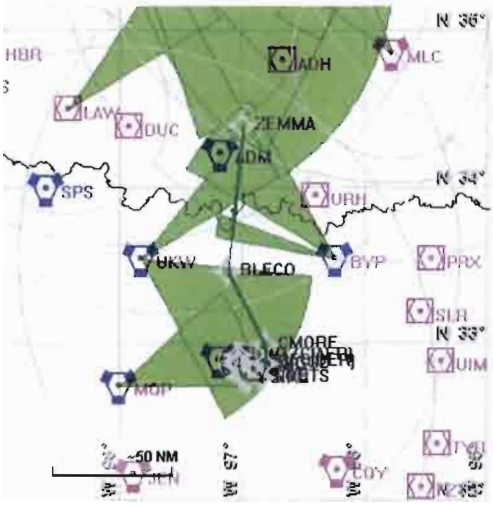
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.			

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Software:	RNAV-Pro™
Version:	2.35
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Input File:	BLECO RW17C ZEMMA 20...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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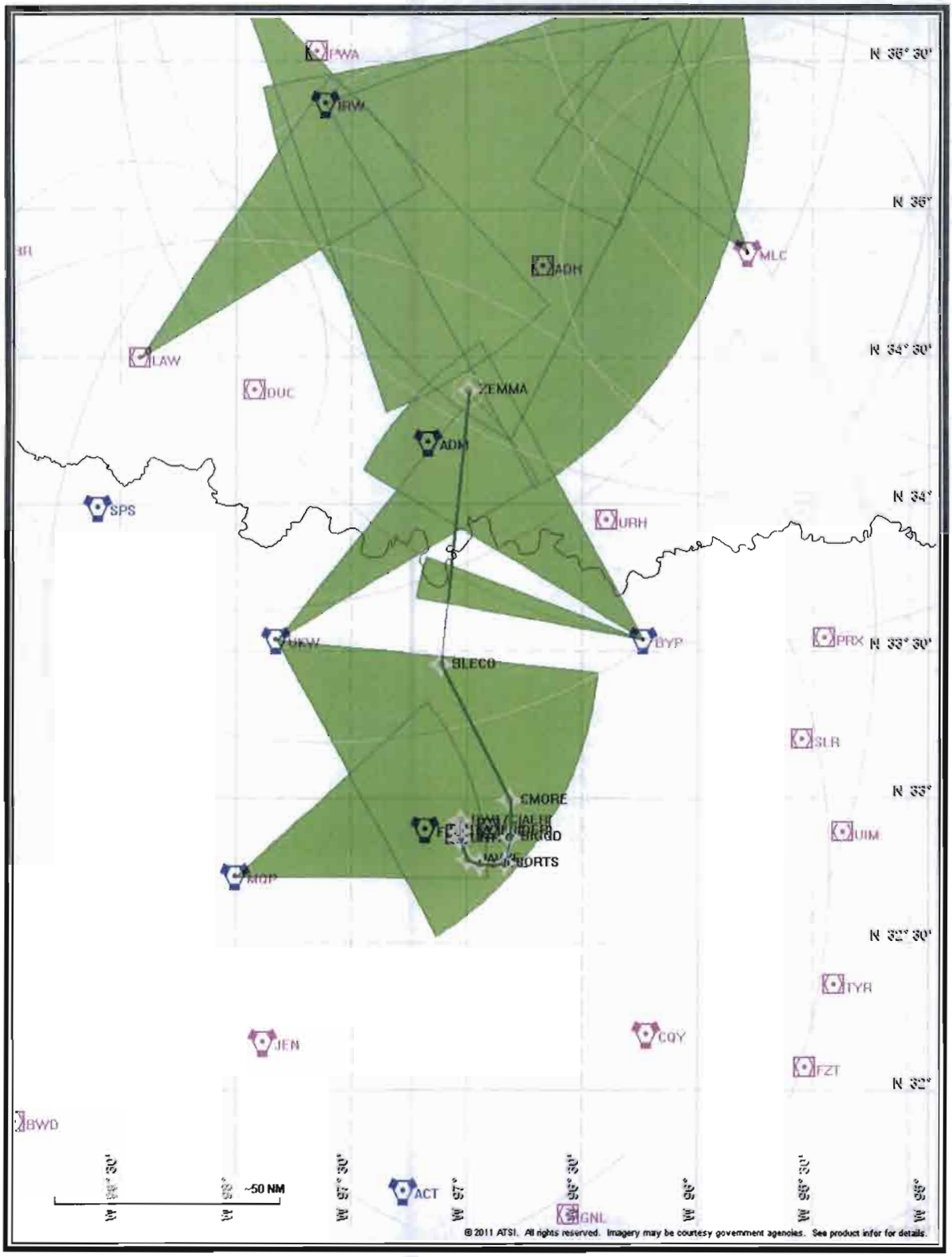
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MLC
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MOP
TYR
JEN
CQY
FZT
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ACT
GNL
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N 32°
W 99° 30'
W 99°
W 98° 30'
W 98°
W 97° 30'
W 97°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW17C(...	WP	N 32° 54' 56.54" W 97° 1' 33.50"	561.9	VNAV	0.0	Fly By	TF
RW35C(...	WP	N 32° 52' 43.96" W 97° 1' 34.22"	597.2	VNAV	130.0	Fly Over	VI
GH17C	WP	N 32° 51' 8.20" W 97° 1' 34.73"	1107.0	VNAV	145.0	Fly By	CF - 159.2°
NAVYE	WP	N 32° 46' 57.75" W 96° 59' 42.05"	2086.9	VNAV	180.0	Fly By	TF
JGIRL	WP	N 32° 45' 54.36" W 96° 56' 21.63"	5000.0	VNAV	240.0	Fly By	TF
CORTS	WP	N 32° 46' 7.65" W 96° 49' 53.59"	6091.6	VNAV	180.0	Fly By	TF
BIGGD	WP	N 32° 51' 31.59" W 96° 48' 33.10"	7192.7	VNAV	180.0	Fly By	TF
CMORE	WP	N 32° 59' 16.66" W 96° 48' 32.49"	8739.9	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	9000.0	VNAV	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -25.37 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

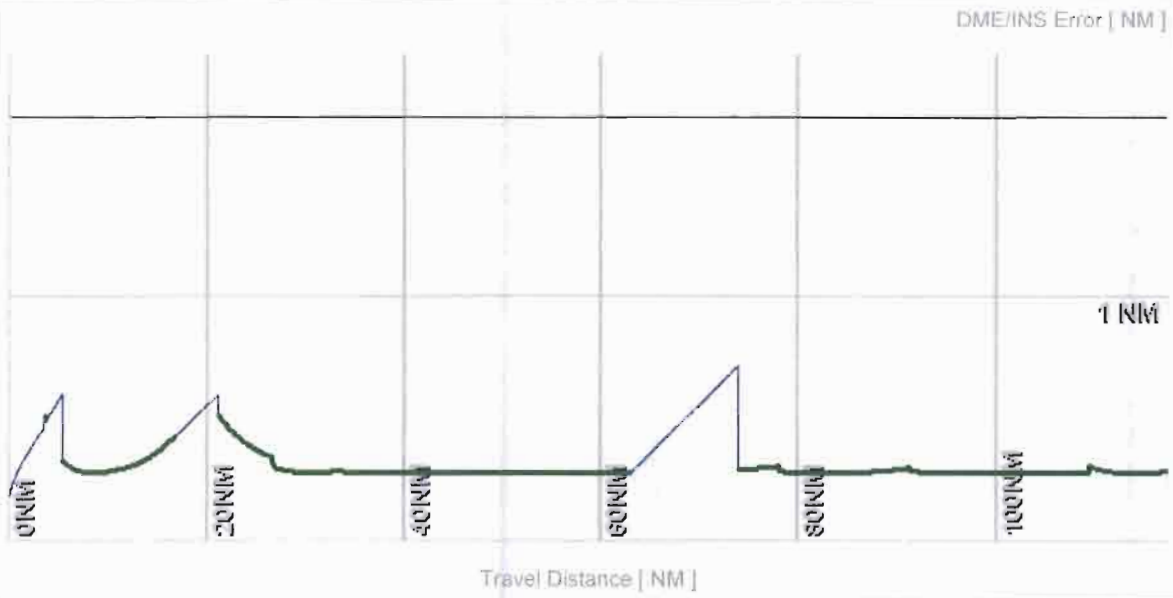
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 978 Ft.

Total Number of DMEs Used: 7

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: FUZ, CVE, TTT, UKW, ADM, BYP, URH, OKM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	1.429	Enabled	18.3 %	15.4 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.721	Enabled	29.0 %	27.0 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.512	Enabled	46.9 %	51.1 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	11.8 %	12.8 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	16.1 %	17.6 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.922	Enabled	27.2 %	29.6 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	10.4 %	11.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE	FUZ				
3.6	CVE	FUZ	TTT			
8.0	CVE	FUZ	TTT			
11.0	CVE	FUZ	TTT	UKW		
15.5	CVE	FUZ	TTT	UKW		
21.5	CVE	FUZ	TTT	UKW		
29.0	CVE	FUZ	TTT	UKW		
60.5	CVE	FUZ	TTT	UKW	ADM	
70.6	BYP	OKM	URH	UKW	ADM	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.54" W 97° 1' 33.50"	N 32° 51' 22.86" W 97° 1' 34.65"	3.6
	VOR: CVE	Available from N 32° 54' 56.54" W 97° 1' 33.50" to N 32° 51' 22.86" W 97° 1' 34.65"	
	VOR: FUZ	Available from N 32° 54' 56.54" W 97° 1' 33.50" to N 32° 51' 22.86" W 97° 1' 34.65"	
	VOR: TTT	Available from N 32° 54' 56.54" W 97° 1' 33.50" to N 32° 51' 22.86" W 97° 1' 34.65"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 32° 51' 12.85" W 97° 1' 34.58"	N 32° 49' 40.44" W 97° 0' 56.16"	1.6
	VOR: CVE	Available from N 32° 51' 12.85" W 97° 1' 34.58" to N 32° 49' 40.44" W 97° 0' 56.16"	
	VOR: FUZ	Available from N 32° 51' 12.85" W 97° 1' 34.58" to N 32° 49' 40.44" W 97° 0' 56.16"	
	VOR: TTT	Available from N 32° 51' 12.85" W 97° 1' 34.58" to N 32° 49' 40.44" W 97° 0' 56.16"	
3	N 32° 46' 34.46" W 96° 49' 59.39"	N 32° 50' 48.79" W 96° 48' 43.57"	4.4
	VOR: CVE	Available from N 32° 46' 34.46" W 96° 49' 59.39" to N 32° 50' 48.79" W 96° 48' 43.57"	
	VOR: FUZ	Available from N 32° 46' 34.46" W 96° 49' 59.39" to N 32° 50' 48.79" W 96° 48' 43.57"	
	VOR: TTT	Available from N 32° 46' 34.46" W 96° 49' 59.39" to N 32° 50' 48.79" W 96° 48' 43.57"	
4	N 33° 28' 57.42" W 97° 6' 18.29"	N 33° 39' 48.31" W 97° 4' 55.82"	10.9
	VOR: CVE	Available from N 33° 28' 57.42" W 97° 6' 18.29" to N 33° 32' 16.68" W 97° 5' 53.07"	
	VOR: FUZ	Available from N 33° 28' 57.42" W 97° 6' 18.29" to N 33° 33' 13.13" W 97° 5' 45.92"	
	VOR: TTT	Available from N 33° 28' 57.42" W 97° 6' 18.29" to N 33° 32' 6.71" W 97° 5' 54.34"	
	VOR: UKW	Available from N 33° 28' 57.42" W 97° 6' 18.29" to N 33° 39' 48.31" W 97° 4' 55.82"	
	VOR: ADM	Available from N 33° 32' 49.89" W 97° 5' 48.87" to N 33° 39' 48.31" W 97° 4' 55.82"	
	VOR: URH	Available from N 33° 36' 58.95" W 97° 5' 17.30" to N 33° 39' 48.31" W 97° 4' 55.82"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Not Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Not Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

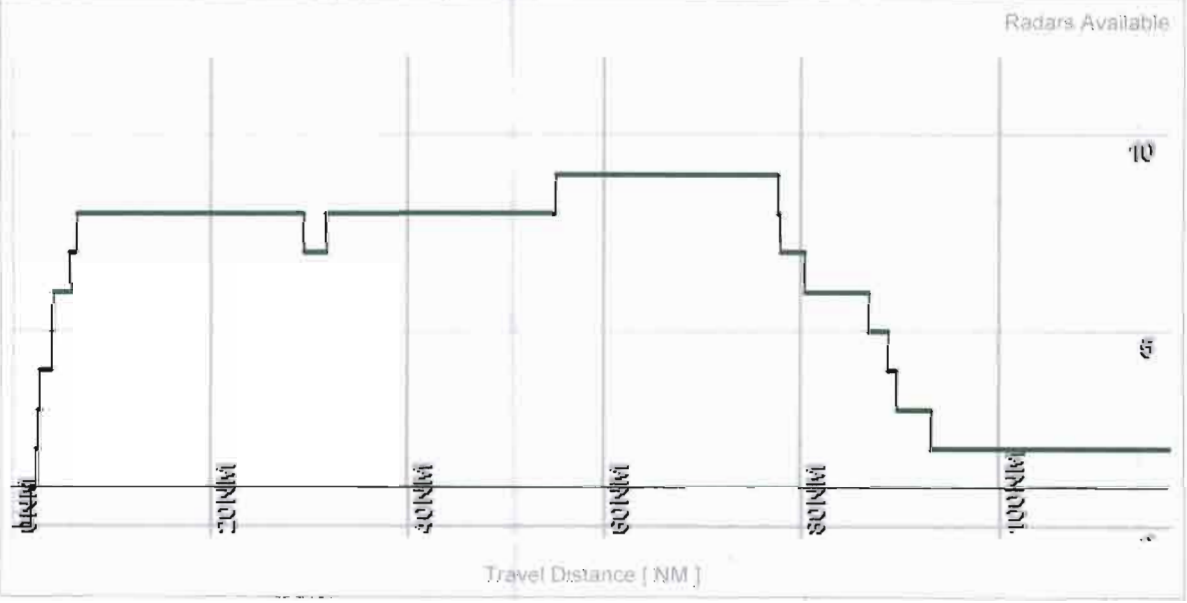
User DMEs (Continued.)

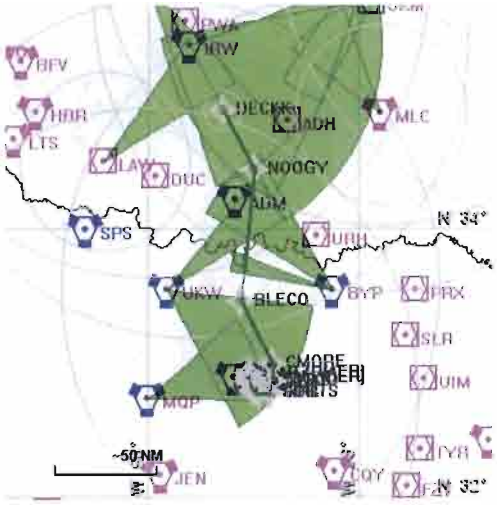
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.			

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/5/2011 2:11:43 PM
Input File:	BLECO RW17R DECKK 20...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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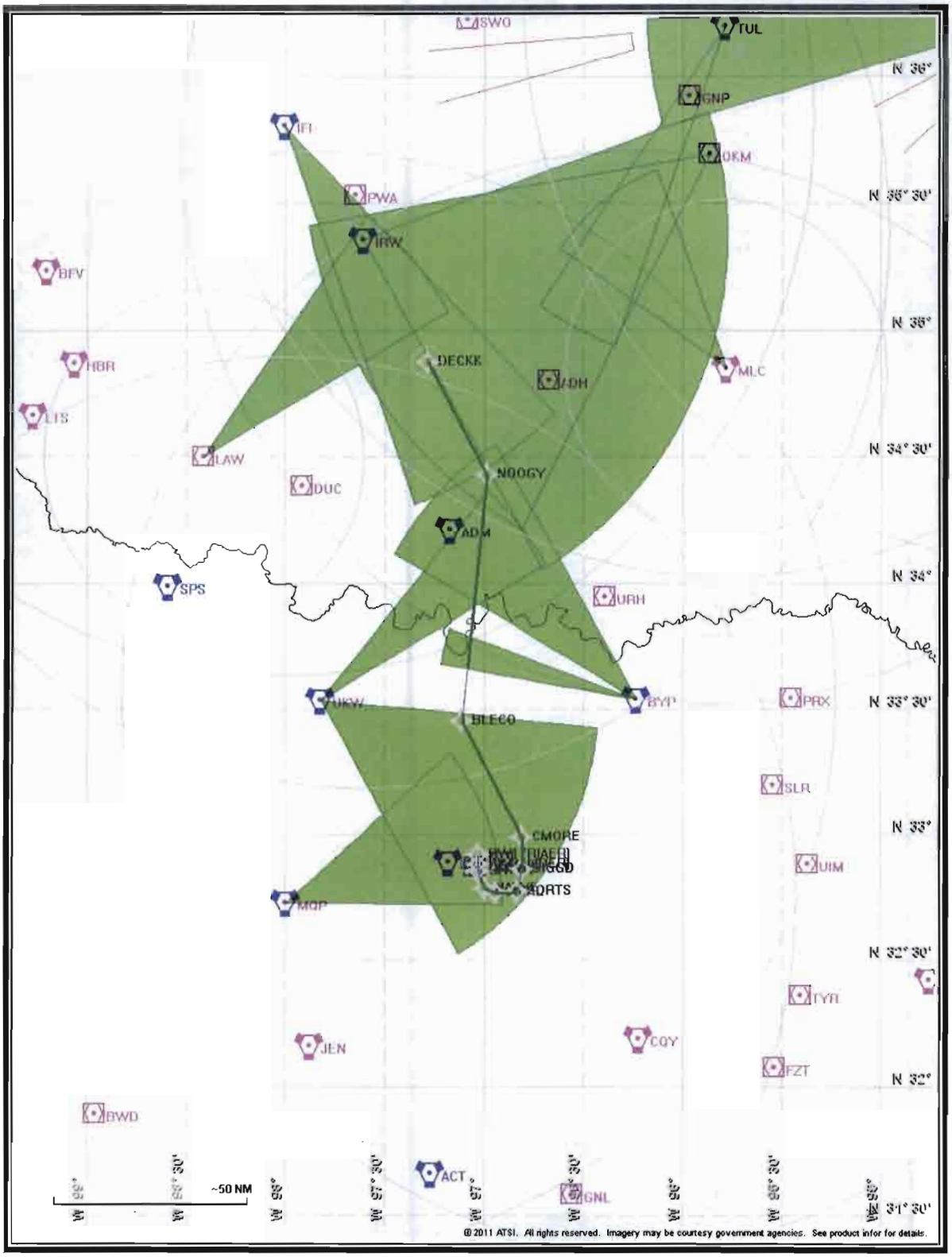
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TUL
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HKW
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CMORE
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ADRTS
TYR
JEN
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N 31° 30'
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW17R(...	WP	N 32° 54' 56.60" W 97° 1' 47.58"	566.5	VNAV	0.0	Fly By	TF
RW35L(...	WP	N 32° 52' 44.02" W 97° 1' 48.29"	598.3	VNAV	130.0	Fly Over	VI
GH17R	WP	N 32° 51' 10.59" W 97° 1' 48.79"	1107.0	VNAV	145.0	Fly By	CF - 157.1°
NAVYE	WP	N 32° 46' 57.75" W 96° 59' 42.05"	2101.2	VNAV	180.0	Fly By	TF
JGIRL	WP	N 32° 45' 54.36" W 96° 56' 21.63"	5000.0	VNAV	240.0	Fly By	TF
CORTS	WP	N 32° 46' 7.65" W 96° 49' 53.59"	6091.6	VNAV	180.0	Fly By	TF
BIGGD	WP	N 32° 51' 31.59" W 96° 48' 33.10"	7192.7	VNAV	180.0	Fly By	TF
CMORE	WP	N 32° 59' 16.66" W 96° 48' 32.49"	8739.9	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
NOOGY	WP	N 34° 25' 39.22" W 96° 59' 3.44"	18000.0	VNAV	240.0	Fly By	TF
DECKK	WP	N 34° 52' 22.12" W 97° 16' 51.92"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -20.77 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

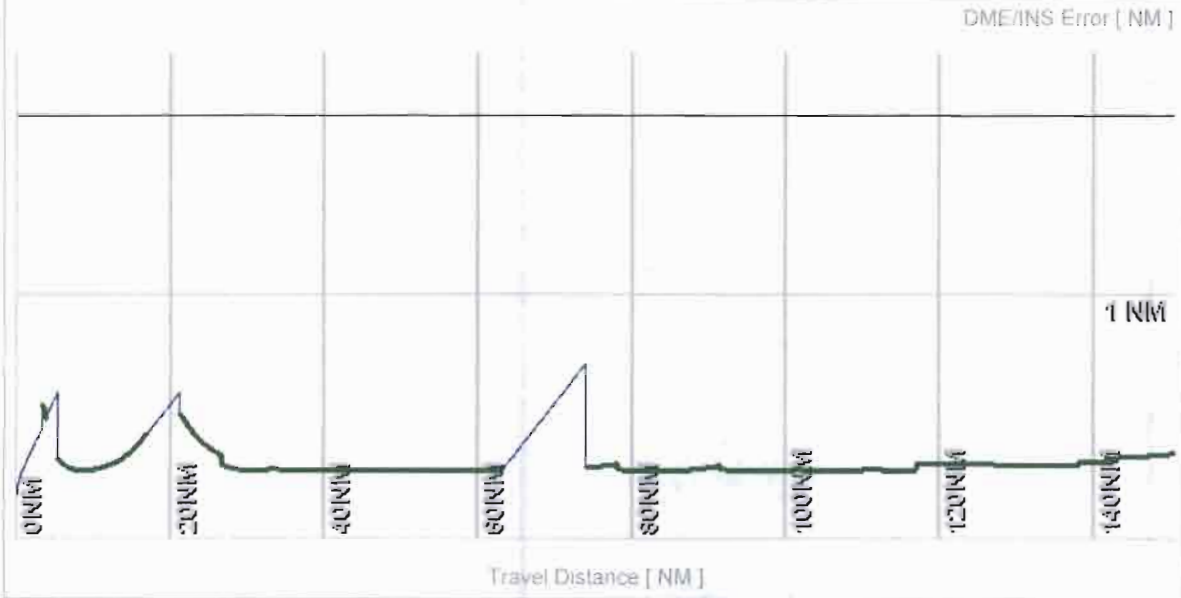
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 934 Ft.

Total Number of DMEs Used: 11

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, SPS, IRW, OKM, IFI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	1.434	Enabled	16.2 %	12.1 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.721	Enabled	25.5 %	21.2 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.512	Enabled	39.1 %	40.1 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	10.2 %	10.0 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.859	Enabled	14.2 %	16.8 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.859	Enabled	20.1 %	23.4 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.717	Enabled	7.6 %	8.9 %
8	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	12.6 %	15.6 %
9	SPS	N 33° 59' 14.23" W 98° 35' 36.50"	H	Database	NO	0.717	Enabled	16.5 %	20.7 %
10	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	1.9 %	2.4 %
11	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.717	Enabled	1.2 %	1.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE	FUZ				
3.6	CVE	FUZ	TTT			
8.0	CVE	FUZ	TTT			
11.1	CVE	FUZ	TTT	UKW		
15.5	CVE	FUZ	TTT	UKW		
21.5	CVE	FUZ	TTT	UKW		
29.1	CVE	FUZ	TTT	UKW		
60.6	CVE	FUZ	TTT	UKW	ADM	
70.6	CVE	BYP	URH	UKW	ADM	
100.9	IRW	BYP	SPS	UKW	ADM	FUZ
119.1	IRW	BYP	SPS	OKM	IFI	UKW

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.60" W 97° 1' 47.58"	N 32° 51' 32.94" W 97° 1' 48.67"	3.4
	VOR: CVE	Available from N 32° 54' 56.60" W 97° 1' 47.58" to N 32° 51' 32.94" W 97° 1' 48.67"	
	VOR: FUZ	Available from N 32° 54' 56.60" W 97° 1' 47.58" to N 32° 51' 32.94" W 97° 1' 48.67"	
	VOR: TTT	Available from N 32° 54' 56.60" W 97° 1' 47.58" to N 32° 51' 32.94" W 97° 1' 48.67"	
2	N 32° 51' 12.91" W 97° 1' 48.40"	N 32° 49' 41.90" W 97° 1' 5.43"	1.6
	VOR: CVE	Available from N 32° 51' 12.91" W 97° 1' 48.40" to N 32° 49' 41.90" W 97° 1' 5.43"	
	VOR: FUZ	Available from N 32° 51' 12.91" W 97° 1' 48.40" to N 32° 49' 41.90" W 97° 1' 5.43"	
	VOR: TTT	Available from N 32° 51' 12.91" W 97° 1' 48.40" to N 32° 49' 41.90" W 97° 1' 5.43"	
3	N 32° 46' 33.64" W 96° 50' 0.30"	N 32° 50' 50.99" W 96° 48' 43.05"	4.4
	VOR: CVE	Available from N 32° 46' 33.64" W 96° 50' 0.30" to N 32° 50' 50.99" W 96° 48' 43.05"	
	VOR: FUZ	Available from N 32° 46' 33.64" W 96° 50' 0.30" to N 32° 50' 50.99" W 96° 48' 43.05"	
	VOR: TTT	Available from N 32° 46' 33.64" W 96° 50' 0.30" to N 32° 50' 50.99" W 96° 48' 43.05"	
4	N 33° 28' 56.33" W 97° 6' 18.41"	N 33° 39' 47.23" W 97° 4' 55.90"	10.9
	VOR: CVE	Available from N 33° 28' 56.33" W 97° 6' 18.41" to N 33° 32' 15.59" W 97° 5' 53.19"	
	VOR: FUZ	Available from N 33° 28' 56.33" W 97° 6' 18.41" to N 33° 33' 12.05" W 97° 5' 46.04"	
	VOR: TTT	Available from N 33° 28' 56.33" W 97° 6' 18.41" to N 33° 32' 5.63" W 97° 5' 54.45"	
	VOR: UKW	Available from N 33° 28' 56.33" W 97° 6' 18.41" to N 33° 39' 47.23" W 97° 4' 55.90"	
	VOR: ADM	Available from N 33° 32' 48.80" W 97° 5' 48.98" to N 33° 39' 47.23" W 97° 4' 55.90"	
	VOR: URH	Available from N 33° 36' 57.86" W 97° 5' 17.40" to N 33° 39' 47.23" W 97° 4' 55.90"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
		ESV: Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°			Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.		
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
		ESV: Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°			Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.		
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
		ESV: Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°			Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.		
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
		ESV: Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°			Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°			Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.		
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		

DME/DME (Continued.)

Return To Summary

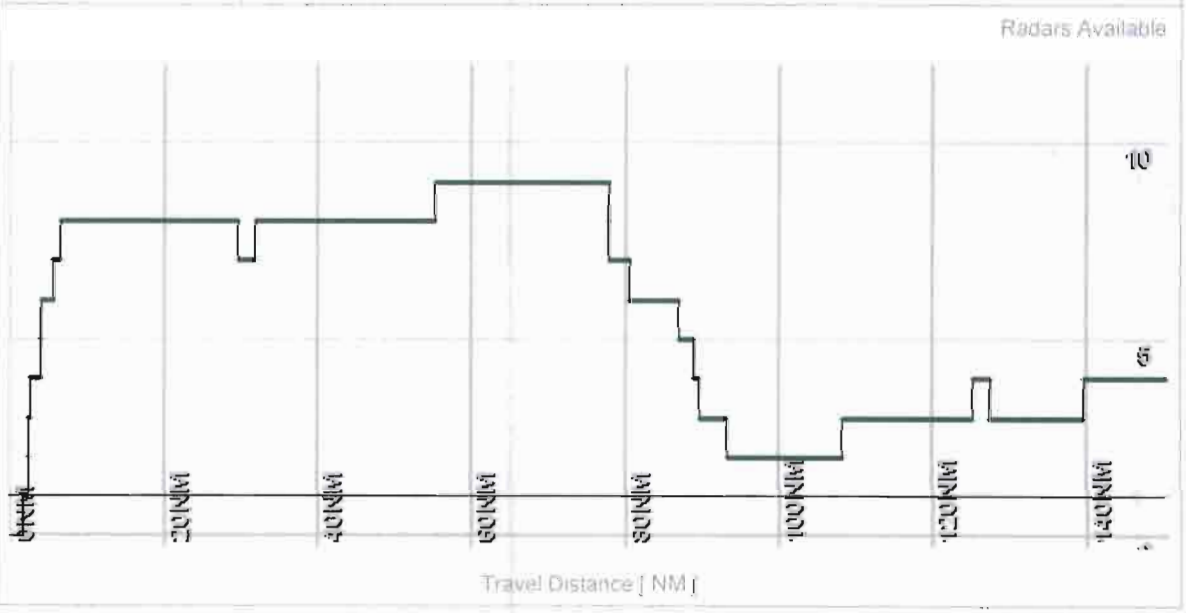
User DMEs (Continued.)

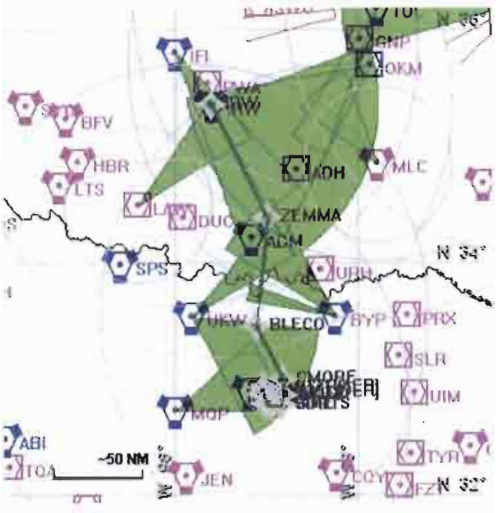
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.			

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/5/2011 2:26:07 PM
Input File:	BLECO RW17R IRW 2011...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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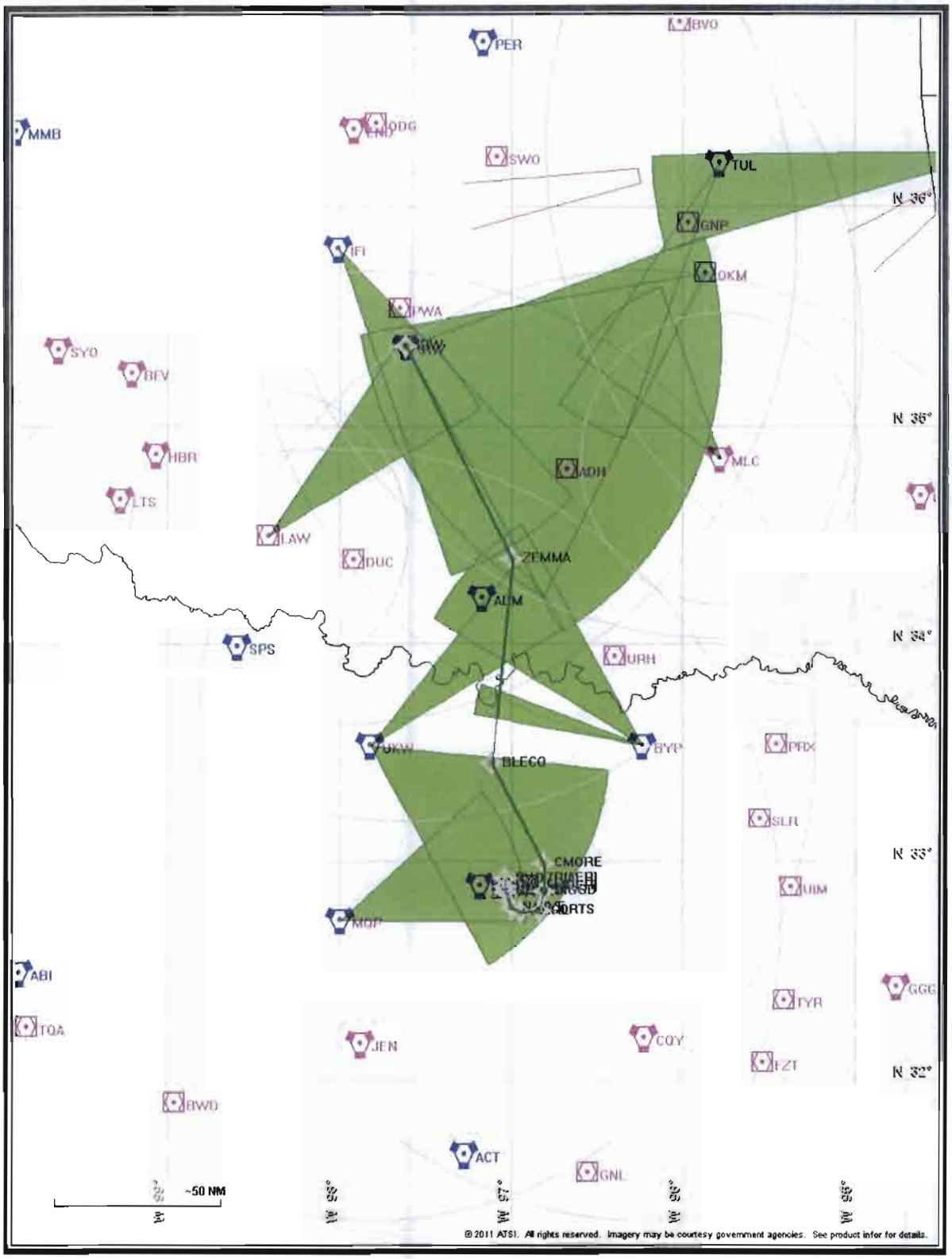
PER
BVO
MMB
ODG
SWO
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IFI
OKM
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DUC
ZEMMA
ALM
SPS
URH
BYP
PRX
BLECO
SLR
CMORE
UIM
MOP
ABI
TQA
JEN
COY
TYR
GGE
FZT
BWD
ACT
GNL
N 36°
N 35°
N 34°
N 33°
N 32°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW17R(...	WP	N 32° 54' 56.60" W 97° 1' 47.58"	566.5	VNAV	0.0	Fly By	TF
RW35L(...	WP	N 32° 52' 44.02" W 97° 1' 48.29"	598.3	VNAV	130.0	Fly Over	VI
GH17R	WP	N 32° 51' 10.59" W 97° 1' 48.79"	1107.0	VNAV	145.0	Fly By	CF - 157.1°
NAVYE	WP	N 32° 46' 57.75" W 96° 59' 42.05"	2101.2	VNAV	180.0	Fly By	TF
JGIRL	WP	N 32° 45' 54.36" W 96° 56' 21.63"	5000.0	VNAV	240.0	Fly By	TF
CORTS	WP	N 32° 46' 7.65" W 96° 49' 53.59"	6091.6	VNAV	180.0	Fly By	TF
BIGGD	WP	N 32° 51' 31.59" W 96° 48' 33.10"	7192.7	VNAV	180.0	Fly By	TF
CMORE	WP	N 32° 59' 16.66" W 96° 48' 32.49"	8739.9	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	11000.0	VNAV	210.0	Fly By	TF
IRW	WP	N 35° 21' 30.95" W 97° 36' 33.22"	11000.0	VNAV	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -20.77 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

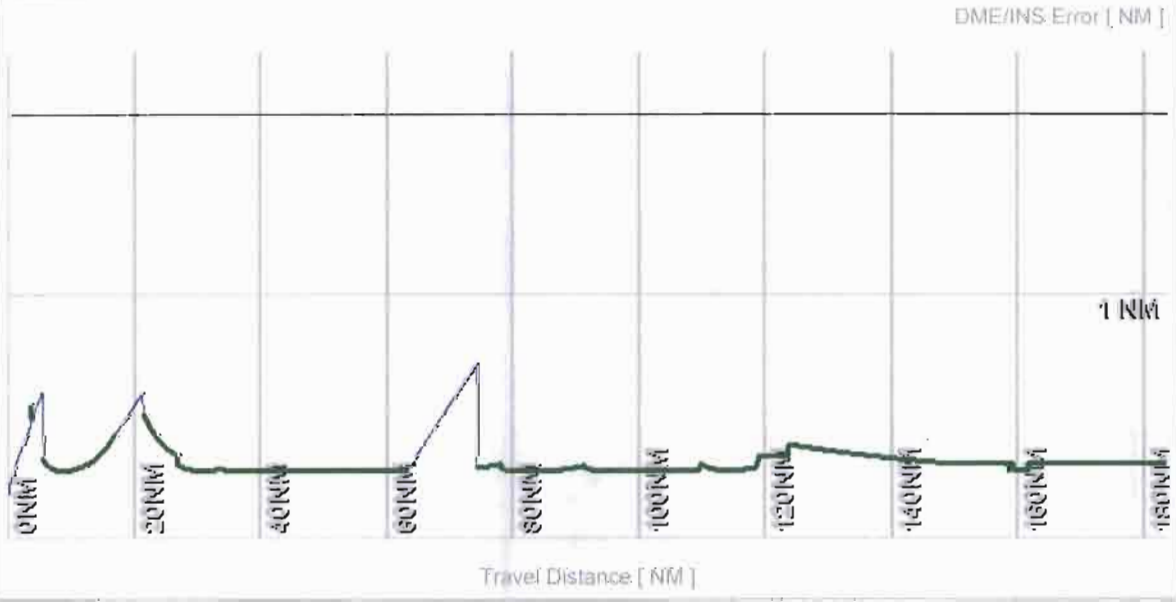
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 934 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM, IFI, IRW, LAW, PWA



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	1.434	Enabled	13.0 %	10.0 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.721	Enabled	20.5 %	17.4 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.512	Enabled	32.8 %	32.7 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	8.2 %	8.2 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	14.0 %	14.6 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.922	Enabled	19.6 %	19.6 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	7.3 %	7.2 %
8	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	1.487	Enabled	28.1 %	33.7 %
9	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	17.0 %	20.3 %
10	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L + ESV	User	NO	0.717	Enabled	1.3 %	1.6 %
11	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	4.0 %	4.7 %
12	PWA	N 35° 31' 58.60" W 97° 38' 49.84"	T	Database	NO	0.717	Enabled	6.3 %	7.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE	FUZ				
3.6	CVE	FUZ	TTT			
8.0	CVE	FUZ	TTT			
11.1	CVE	FUZ	TTT	UKW		
15.5	CVE	FUZ	TTT	UKW		
21.5	CVE	FUZ	TTT	UKW		
29.1	CVE	FUZ	TTT	UKW		
60.6	CVE	FUZ	TTT	UKW	ADM	
70.6	BYP	OKM	URH	UKW	ADM	
116.5	BYP	OKM	IRW	IFI	ADM	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
148.7	LAW	OKM	IRW	IFI	PWA	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.60" W 97° 1' 47.58"	N 32° 51' 32.94" W 97° 1' 48.67"	3.4
	VOR: CVE	Available from N 32° 54' 56.60" W 97° 1' 47.58" to N 32° 51' 32.94" W 97° 1' 48.67"	
	VOR: FUZ	Available from N 32° 54' 56.60" W 97° 1' 47.58" to N 32° 51' 32.94" W 97° 1' 48.67"	
	VOR: TTT	Available from N 32° 54' 56.60" W 97° 1' 47.58" to N 32° 51' 32.94" W 97° 1' 48.67"	
2	N 32° 51' 12.91" W 97° 1' 48.40"	N 32° 49' 41.90" W 97° 1' 5.43"	1.6
	VOR: CVE	Available from N 32° 51' 12.91" W 97° 1' 48.40" to N 32° 49' 41.90" W 97° 1' 5.43"	
	VOR: FUZ	Available from N 32° 51' 12.91" W 97° 1' 48.40" to N 32° 49' 41.90" W 97° 1' 5.43"	
	VOR: TTT	Available from N 32° 51' 12.91" W 97° 1' 48.40" to N 32° 49' 41.90" W 97° 1' 5.43"	
3	N 32° 46' 33.64" W 96° 50' 0.30"	N 32° 50' 50.99" W 96° 48' 43.05"	4.4
	VOR: CVE	Available from N 32° 46' 33.64" W 96° 50' 0.30" to N 32° 50' 50.99" W 96° 48' 43.05"	
	VOR: FUZ	Available from N 32° 46' 33.64" W 96° 50' 0.30" to N 32° 50' 50.99" W 96° 48' 43.05"	
	VOR: TTT	Available from N 32° 46' 33.64" W 96° 50' 0.30" to N 32° 50' 50.99" W 96° 48' 43.05"	
4	N 33° 28' 56.33" W 97° 6' 18.42"	N 33° 39' 47.23" W 97° 4' 55.95"	10.9
	VOR: CVE	Available from N 33° 28' 56.33" W 97° 6' 18.42" to N 33° 32' 15.59" W 97° 5' 53.21"	
	VOR: FUZ	Available from N 33° 28' 56.33" W 97° 6' 18.42" to N 33° 33' 12.05" W 97° 5' 46.06"	
	VOR: TTT	Available from N 33° 28' 56.33" W 97° 6' 18.42" to N 33° 32' 5.63" W 97° 5' 54.47"	
	VOR: UKW	Available from N 33° 28' 56.33" W 97° 6' 18.42" to N 33° 39' 47.23" W 97° 4' 55.95"	
	VOR: ADM	Available from N 33° 32' 48.80" W 97° 5' 49.00" to N 33° 39' 47.23" W 97° 4' 55.95"	
	VOR: URH	Available from N 33° 36' 57.86" W 97° 5' 17.44" to N 33° 39' 47.23" W 97° 4' 55.95"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

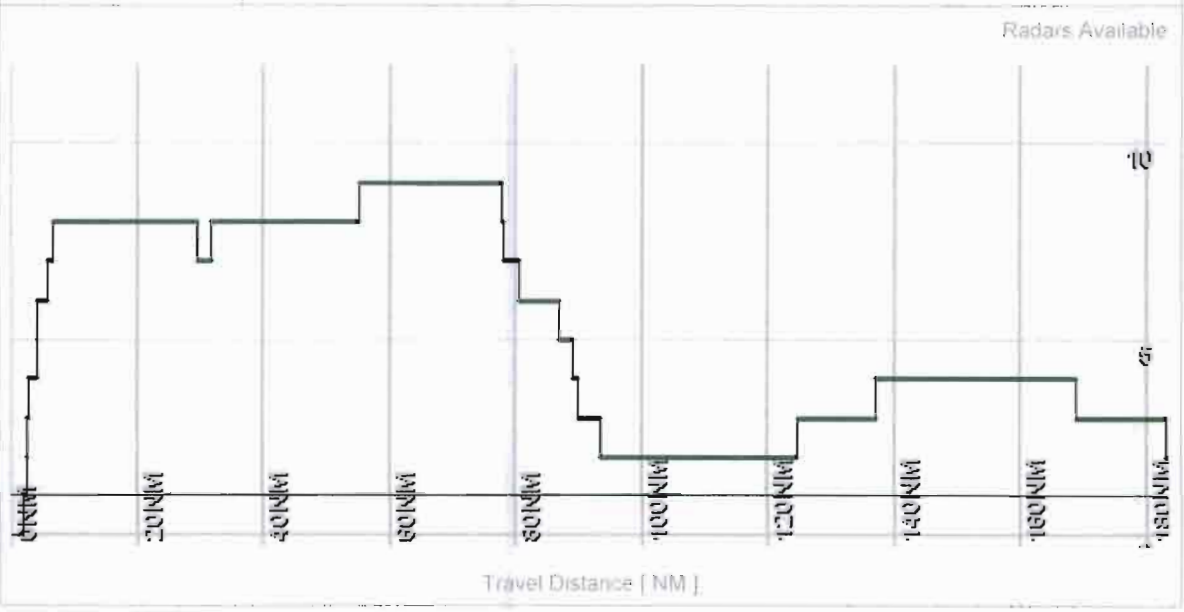
User DMEs (Continued.)

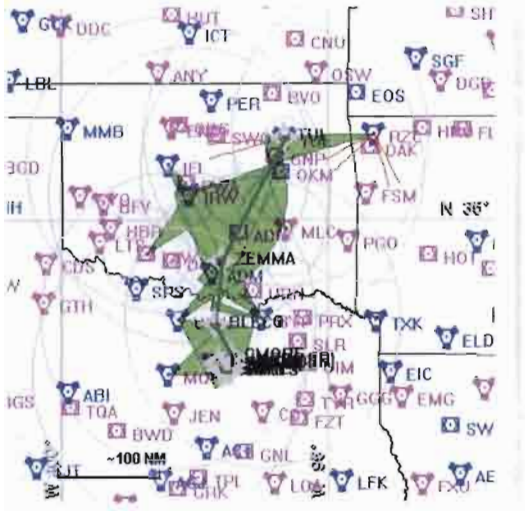
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.			

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/6/2011 8:52:43 AM
Input File:	BLECO RW17R TUL 2011...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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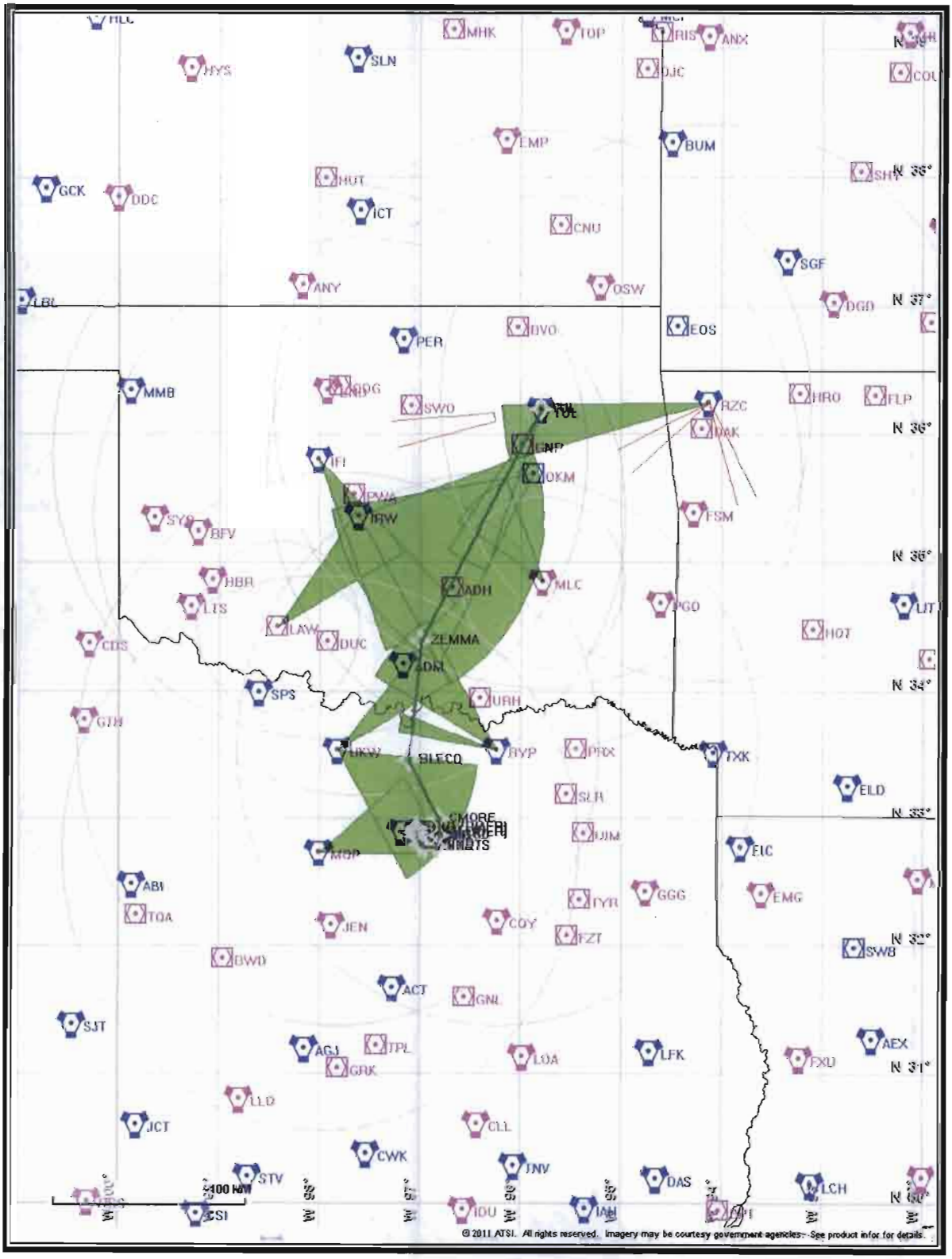
MHK
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SLR
EILD
N 33°
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EIC
ABI
GGG
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FZT
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ACT
GNL
SJT
AGJ
TPL
LOA
LFK
AEX
FXU
N 31°
GRK
LLD
JCT
CLL
CWK
TNV
STV
DAS
LCH
100 NM
CSI
IDU
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW17R(...	WP	N 32° 54' 56.60" W 97° 1' 47.58"	566.5	VNAV	0.0	Fly By	TF
RW35L(...	WP	N 32° 52' 44.02" W 97° 1' 48.29"	598.3	VNAV	130.0	Fly Over	VI
GH17R	WP	N 32° 51' 10.59" W 97° 1' 48.79"	1107.0	VNAV	145.0	Fly By	CF - 157.1°
NAVYE	WP	N 32° 46' 57.75" W 96° 59' 42.05"	2101.2	VNAV	180.0	Fly By	TF
JGIRL	WP	N 32° 45' 54.36" W 96° 56' 21.63"	5000.0	VNAV	240.0	Fly By	TF
CORTS	WP	N 32° 46' 7.65" W 96° 49' 53.59"	6091.6	VNAV	180.0	Fly By	TF
BIGGD	WP	N 32° 51' 31.59" W 96° 48' 33.10"	7192.7	VNAV	180.0	Fly By	TF
CMORE	WP	N 32° 59' 16.66" W 96° 48' 32.49"	8739.9	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	13000.0	VNAV	210.0	Fly By	TF
TUL	WP	N 36° 11' 46.54" W 95° 47' 17.11"	13000.0	VNAV	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -20.77 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 934 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM, ADH, IRW, IFI, TUL, MLC, RZC

DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	1.434	Enabled	10.5 %	7.6 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.721	Enabled	16.5 %	13.2 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.512	Enabled	25.1 %	24.9 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	6.6 %	6.2 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	10.0 %	11.0 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.911	Enabled	17.4 %	18.2 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.743	Enabled	5.8 %	5.5 %
8	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	1.436	Enabled	21.8 %	24.5 %
9	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.866	Enabled	33.8 %	38.1 %
10	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H + ESV	User	NO	1.043	Enabled	14.1 %	15.9 %
11	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L + ESV	User	NO	0.717	Enabled	7.5 %	8.5 %
12	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H + ESV	User	NO	1.012	Enabled	8.3 %	9.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE	FUZ				
3.6	CVE	FUZ	TTT			
8.0	CVE	FUZ	TTT			
11.1	CVE	FUZ	TTT	UKW		
15.5	CVE	FUZ	TTT	UKW		
21.5	CVE	FUZ	TTT	UKW		
29.1	CVE	FUZ	TTT	UKW		
60.6	CVE	FUZ	TTT	UKW	ADM	
70.6	BYP	OKM	URH	UKW	ADM	
116.7	BYP	OKM	IRW	ADH	ADM	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
132.0	ADM	OKM	IRW	IFI		
161.0	TUL	OKM	IRW	MLC	RZC	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.60" W 97° 1' 47.58"	N 32° 51' 32.94" W 97° 1' 48.67"	3.4
	VOR: CVE	Available from N 32° 54' 56.60" W 97° 1' 47.58" to N 32° 51' 32.94" W 97° 1' 48.67"	
	VOR: FUZ	Available from N 32° 54' 56.60" W 97° 1' 47.58" to N 32° 51' 32.94" W 97° 1' 48.67"	
	VOR: TTT	Available from N 32° 54' 56.60" W 97° 1' 47.58" to N 32° 51' 32.94" W 97° 1' 48.67"	
2	N 32° 51' 12.91" W 97° 1' 48.40"	N 32° 49' 41.90" W 97° 1' 5.43"	1.6
	VOR: CVE	Available from N 32° 51' 12.91" W 97° 1' 48.40" to N 32° 49' 41.90" W 97° 1' 5.43"	
	VOR: FUZ	Available from N 32° 51' 12.91" W 97° 1' 48.40" to N 32° 49' 41.90" W 97° 1' 5.43"	
	VOR: TTT	Available from N 32° 51' 12.91" W 97° 1' 48.40" to N 32° 49' 41.90" W 97° 1' 5.43"	
3	N 32° 46' 33.64" W 96° 50' 0.30"	N 32° 50' 50.99" W 96° 48' 43.05"	4.4
	VOR: CVE	Available from N 32° 46' 33.64" W 96° 50' 0.30" to N 32° 50' 50.99" W 96° 48' 43.05"	
	VOR: FUZ	Available from N 32° 46' 33.64" W 96° 50' 0.30" to N 32° 50' 50.99" W 96° 48' 43.05"	
	VOR: TTT	Available from N 32° 46' 33.64" W 96° 50' 0.30" to N 32° 50' 50.99" W 96° 48' 43.05"	
4	N 33° 28' 56.33" W 97° 6' 18.42"	N 33° 39' 47.23" W 97° 4' 55.95"	10.9
	VOR: CVE	Available from N 33° 28' 56.33" W 97° 6' 18.42" to N 33° 32' 15.59" W 97° 5' 53.21"	
	VOR: FUZ	Available from N 33° 28' 56.33" W 97° 6' 18.42" to N 33° 33' 12.05" W 97° 5' 46.06"	
	VOR: TTT	Available from N 33° 28' 56.33" W 97° 6' 18.42" to N 33° 32' 5.63" W 97° 5' 54.47"	
	VOR: UKW	Available from N 33° 28' 56.33" W 97° 6' 18.42" to N 33° 39' 47.23" W 97° 4' 55.95"	
	VOR: ADM	Available from N 33° 32' 48.80" W 97° 5' 49.00" to N 33° 39' 47.23" W 97° 4' 55.95"	
	VOR: URH	Available from N 33° 36' 57.87" W 97° 5' 17.44" to N 33° 39' 47.23" W 97° 4' 55.95"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
		ESV: Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°			Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.		
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
		ESV: Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°			Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.		
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
		ESV: Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°			Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.		
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
		ESV: Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°			Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.		
		ESV: Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°			Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.		
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		

DME/DME (Continued.)

Return To Summary

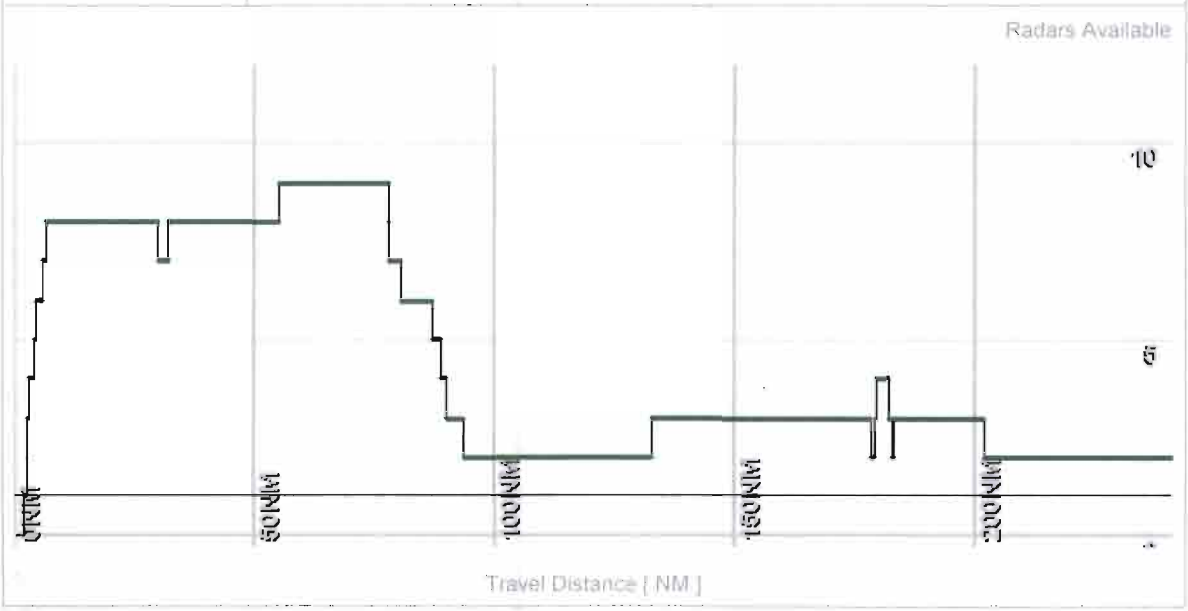
User DMEs (Continued.)

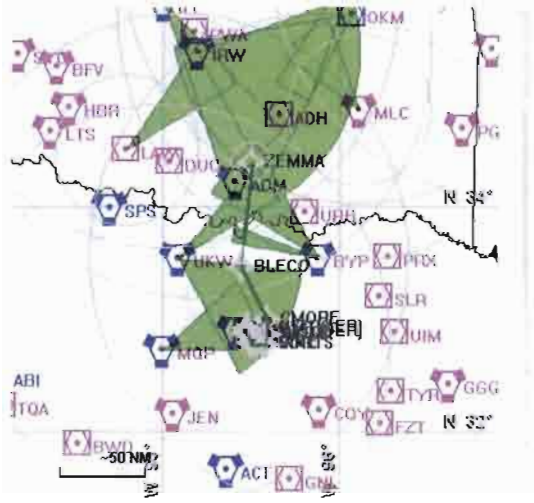
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.			

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Version:	2.35
Date/Time:	12/6/2011 9:09:18 AM
Input File:	BLECO RW17R ZEMMA 20...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ **Please Check Flyability Results**
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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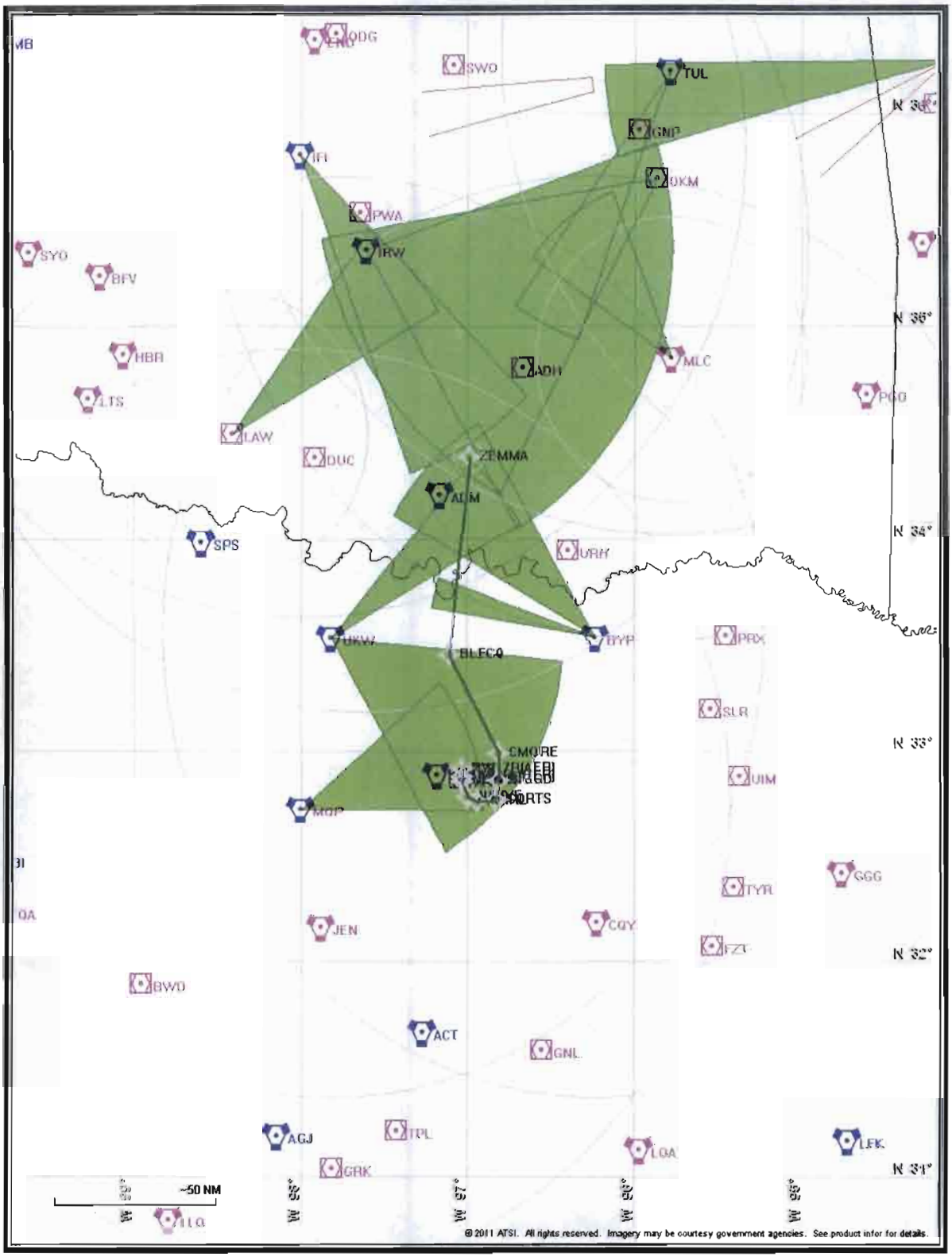
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ZEMMA
ADM
SPS
URK
HKW
BLECO
BYP
PRX
SLR
UIM
MGP
TYR
GGG
JEN
CQY
FZT
BWD
ACT
GNL
AGJ
TPL
GRK
LGA
LFK
~50 NM
ILQ
N 36°
N 35°
N 34°
N 33°
N 32°
N 31°
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW17R(...	WP	N 32° 54' 56.60" W 97° 1' 47.58"	566.5	VNAV	0.0	Fly By	TF
RW35L(...	WP	N 32° 52' 44.02" W 97° 1' 48.29"	598.3	VNAV	130.0	Fly Over	VI
GH17R	WP	N 32° 51' 10.59" W 97° 1' 48.79"	1107.0	VNAV	145.0	Fly By	CF - 157.1°
NAVYE	WP	N 32° 46' 57.75" W 96° 59' 42.05"	2101.2	VNAV	180.0	Fly By	TF
JGIRL	WP	N 32° 45' 54.36" W 96° 56' 21.63"	5000.0	VNAV	240.0	Fly By	TF
CORTS	WP	N 32° 46' 7.65" W 96° 49' 53.59"	6091.6	VNAV	180.0	Fly By	TF
BIGGD	WP	N 32° 51' 31.59" W 96° 48' 33.10"	7192.7	VNAV	180.0	Fly By	TF
CMORE	WP	N 32° 59' 16.66" W 96° 48' 32.49"	8739.9	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	9000.0	VNAV	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -20.77 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

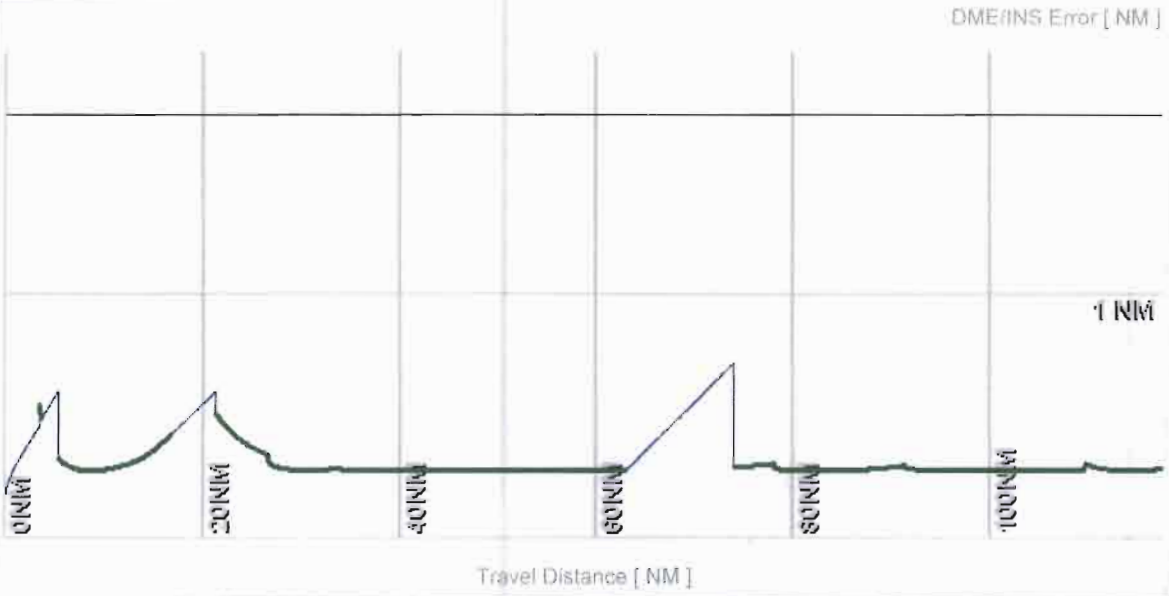
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 934 Ft.

Total Number of DMEs Used: 7

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, ADM, BYP, URH, OKM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	1.434	Enabled	18.5 %	15.5 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	0.721	Enabled	29.2 %	27.2 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.512	Enabled	46.9 %	51.1 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	11.7 %	12.8 %
5	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	16.1 %	17.5 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.922	Enabled	27.2 %	29.6 %
7	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	10.4 %	11.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	CVE	FUZ				
3.6	CVE	FUZ	TTT			
8.0	CVE	FUZ	TTT			
11.1	CVE	FUZ	TTT	UKW		
15.5	CVE	FUZ	TTT	UKW		
21.5	CVE	FUZ	TTT	UKW		
29.1	CVE	FUZ	TTT	UKW		
60.6	CVE	FUZ	TTT	UKW	ADM	
70.7	BYP	OKM	URH	UKW	ADM	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.60" W 97° 1' 47.58"	N 32° 51' 32.94" W 97° 1' 48.67"	3.4

VOR: CVE	Available from N 32° 54' 56.60" W 97° 1' 47.58" to N 32° 51' 32.94" W 97° 1' 48.67"
VOR: FUZ	Available from N 32° 54' 56.60" W 97° 1' 47.58" to N 32° 51' 32.94" W 97° 1' 48.67"
VOR: TTT	Available from N 32° 54' 56.60" W 97° 1' 47.58" to N 32° 51' 32.94" W 97° 1' 48.67"

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 32° 51' 12.91" W 97° 1' 48.40"	N 32° 49' 41.90" W 97° 1' 5.43"	1.6
	VOR: CVE	Available from N 32° 51' 12.91" W 97° 1' 48.40" to N 32° 49' 41.90" W 97° 1' 5.43"	
	VOR: FUZ	Available from N 32° 51' 12.91" W 97° 1' 48.40" to N 32° 49' 41.90" W 97° 1' 5.43"	
	VOR: TTT	Available from N 32° 51' 12.91" W 97° 1' 48.40" to N 32° 49' 41.90" W 97° 1' 5.43"	
3	N 32° 46' 33.64" W 96° 50' 0.30"	N 32° 50' 50.99" W 96° 48' 43.05"	4.4
	VOR: CVE	Available from N 32° 46' 33.64" W 96° 50' 0.30" to N 32° 50' 50.99" W 96° 48' 43.05"	
	VOR: FUZ	Available from N 32° 46' 33.64" W 96° 50' 0.30" to N 32° 50' 50.99" W 96° 48' 43.05"	
	VOR: TTT	Available from N 32° 46' 33.64" W 96° 50' 0.30" to N 32° 50' 50.99" W 96° 48' 43.05"	
4	N 33° 28' 56.33" W 97° 6' 18.42"	N 33° 39' 47.23" W 97° 4' 55.95"	10.9
	VOR: CVE	Available from N 33° 28' 56.33" W 97° 6' 18.42" to N 33° 32' 15.59" W 97° 5' 53.21"	
	VOR: FUZ	Available from N 33° 28' 56.33" W 97° 6' 18.42" to N 33° 33' 12.04" W 97° 5' 46.06"	
	VOR: TTT	Available from N 33° 28' 56.33" W 97° 6' 18.42" to N 33° 32' 5.63" W 97° 5' 54.47"	
	VOR: UKW	Available from N 33° 28' 56.33" W 97° 6' 18.42" to N 33° 39' 47.23" W 97° 4' 55.95"	
	VOR: ADM	Available from N 33° 32' 48.80" W 97° 5' 49.00" to N 33° 39' 47.23" W 97° 4' 55.95"	
	VOR: URH	Available from N 33° 36' 57.86" W 97° 5' 17.44" to N 33° 39' 47.23" W 97° 4' 55.95"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Not Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Not Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

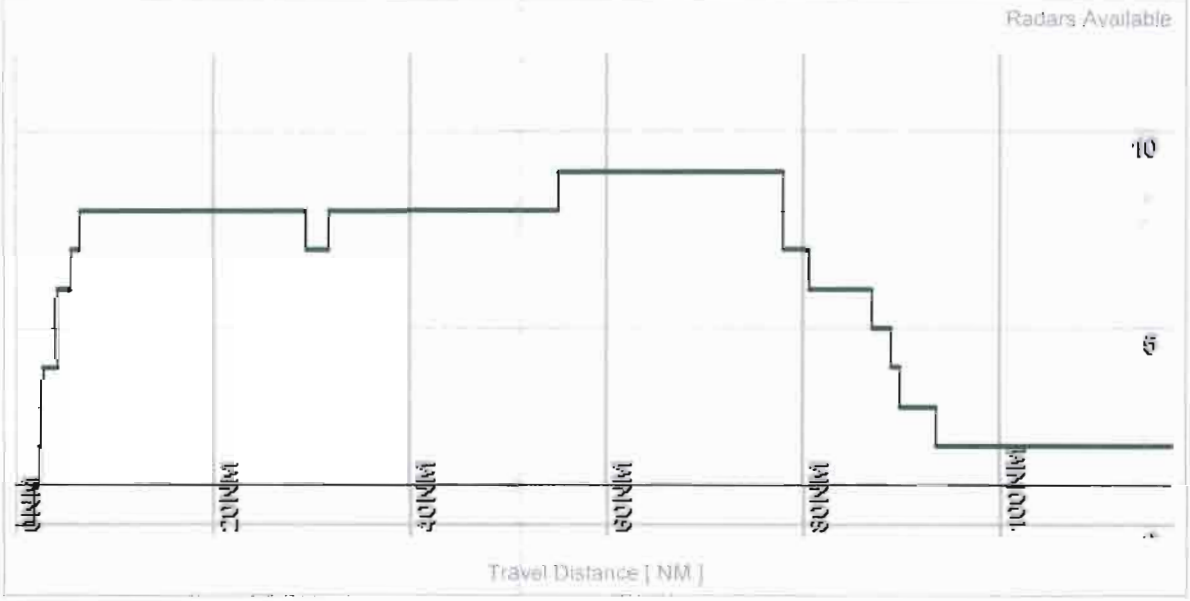
User DMEs (Continued.)

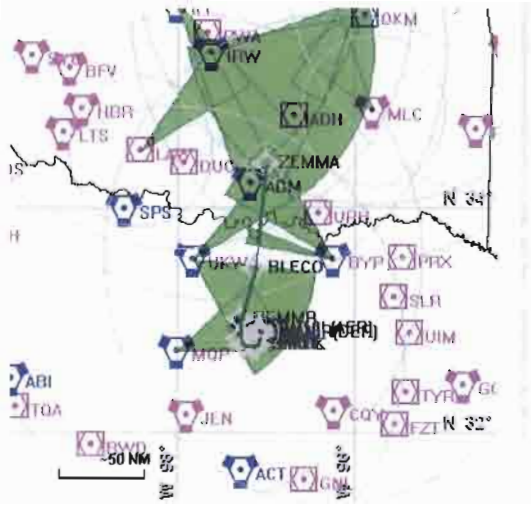
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Not Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.			

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Version:	2.35
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Input File:	BLECO RW18L ZEMMA 20...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ **Please Check Flyability Results**
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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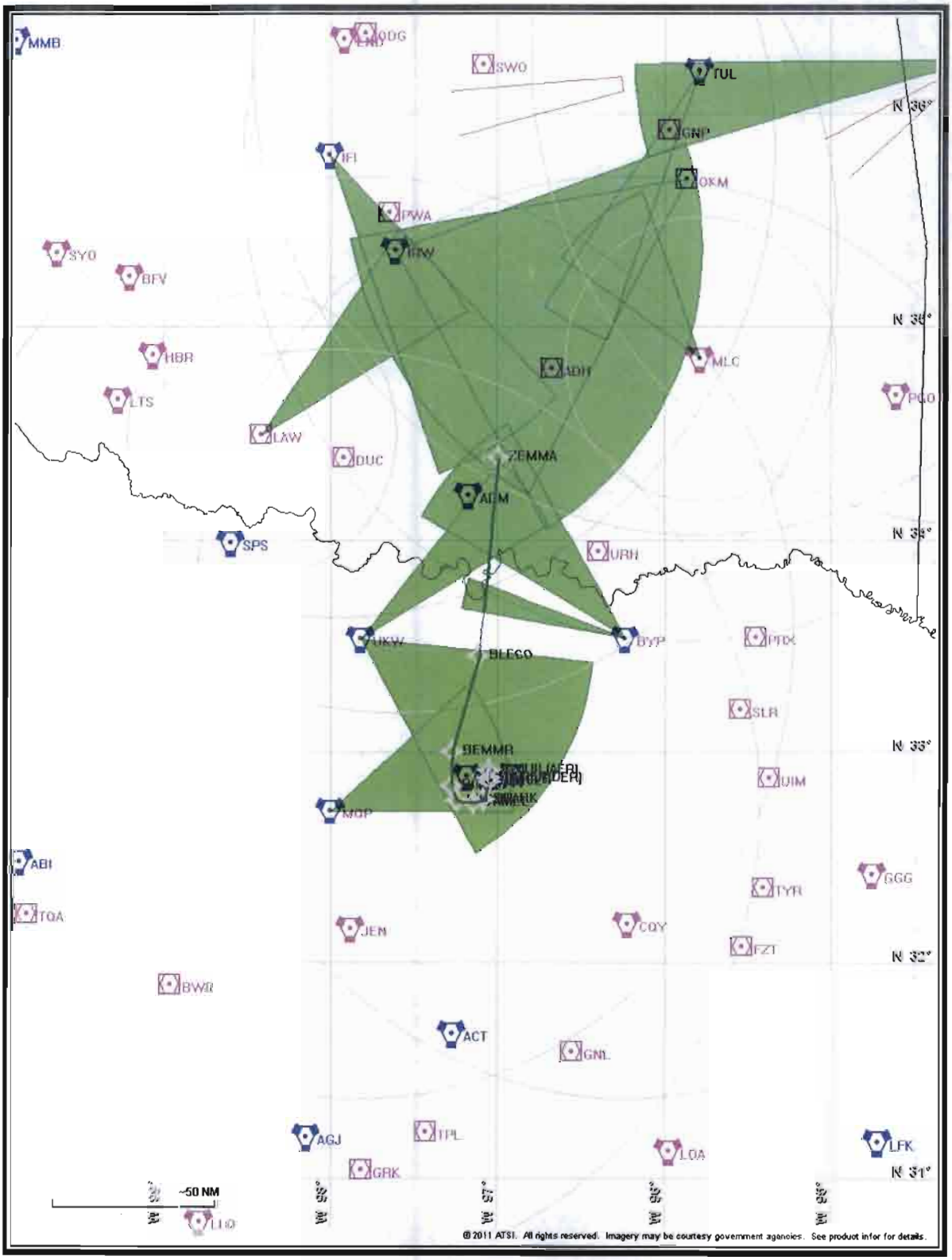
MMB
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~50 NM
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W 97°
W 96°
W 95°
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW18L(...	WP	N 32° 54' 56.88" W 97° 3' 2.65"	601.7	VNAV	0.0	Fly By	TF
RW36R(...	WP	N 32° 52' 44.30" W 97° 3' 3.33"	610.3	VNAV	130.0	Fly Over	VI
GH18L	WP	N 32° 51' 39.18" W 97° 3' 3.67"	1107.0	VNAV	145.0	Fly By	CF - 194.5°
BPARK	WP	N 32° 46' 31.76" W 97° 4' 51.51"	2173.7	VNAV	180.0	Fly By	TF
YAMEL	WP	N 32° 45' 55.70" W 97° 8' 28.05"	5000.0	VNAV	240.0	Fly By	TF
FIRMN	WP	N 32° 46' 17.77" W 97° 14' 28.77"	6016.5	VNAV	180.0	Fly By	TF
BINGM	WP	N 32° 50' 27.25" W 97° 16' 27.44"	6910.9	VNAV	180.0	Fly By	TF
BEMMR	WP	N 33° 0' 6.19" W 97° 16' 13.39"	8837.4	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	9000.0	VNAV	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -20.42 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

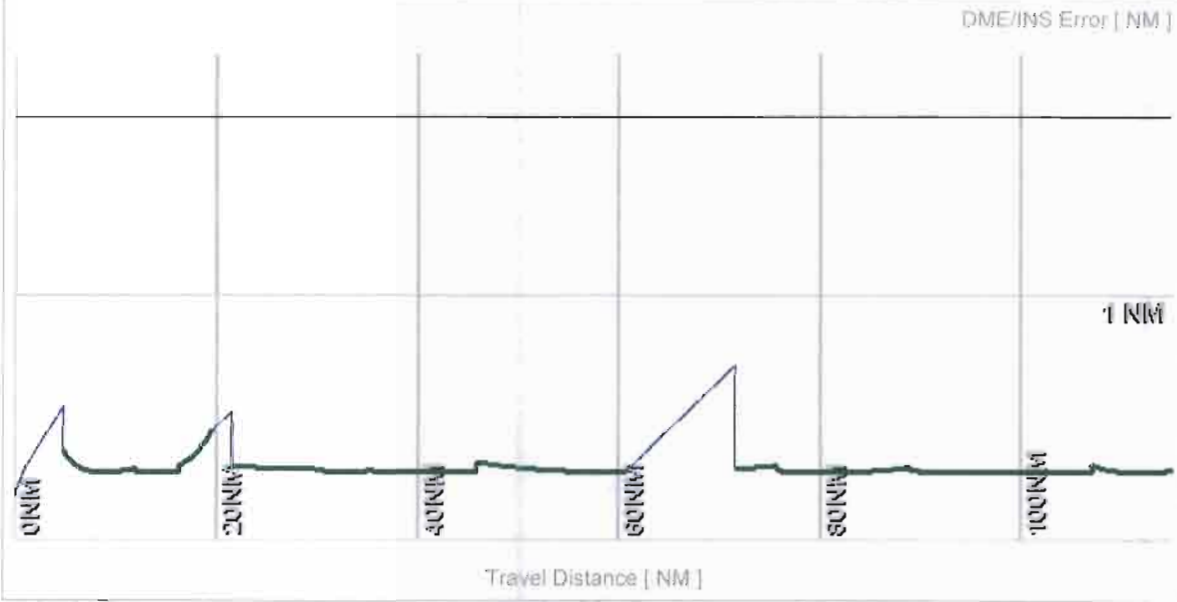
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1358 Ft.

Total Number of DMEs Used: 8

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, MQP, ADM, BYP, URH, OKM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	14.7 %	11.3 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	1.023	Enabled	28.3 %	26.8 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.310	Enabled	36.8 %	39.3 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	7.4 %	7.9 %
5	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H + ESV	User	NO	0.717	Enabled	21.9 %	23.9 %
6	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	16.4 %	17.9 %
7	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.922	Enabled	27.7 %	30.2 %
8	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	10.6 %	11.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2						
3.2	CVE	FUZ	TTT			
8.3	CVE	FUZ	TTT			
11.5	CVE	FUZ	TTT	UKW	MQP	
15.7	CVE	FUZ	TTT	UKW	MQP	
20.5	CVE	FUZ	TTT	UKW	MQP	
30.2	CVE	FUZ	TTT	UKW	MQP	
58.4	CVE	FUZ	TTT	UKW	ADM	
68.5	BYP	OKM	URH	UKW	ADM	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.88" W 97° 3' 2.65"	N 32° 50' 14.43" W 97° 3' 32.58"	4.8
	VOR: CVE	Available from N 32° 54' 56.88" W 97° 3' 2.65" to N 32° 50' 14.43" W 97° 3' 32.58"	
	VOR: FUZ	Available from N 32° 54' 56.88" W 97° 3' 2.65" to N 32° 50' 14.43" W 97° 3' 32.58"	
	VOR: TTT	Available from N 32° 54' 56.88" W 97° 3' 2.65" to N 32° 50' 14.43" W 97° 3' 32.58"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 32° 48' 57.16" W 97° 15' 44.84"	N 32° 50' 57.90" W 97° 16' 26.82"	2.1
	VOR: CVE	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
	VOR: FUZ	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
	VOR: MQP	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
	VOR: TTT	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
3	N 33° 28' 56.48" W 97° 6' 17.48"	N 33° 39' 47.42" W 97° 4' 55.55"	10.9
	VOR: CVE	Available from N 33° 28' 56.48" W 97° 6' 17.48" to N 33° 32' 15.75" W 97° 5' 52.48"	
	VOR: FUZ	Available from N 33° 28' 56.48" W 97° 6' 17.48" to N 33° 33' 12.21" W 97° 5' 45.38"	
	VOR: TTT	Available from N 33° 28' 56.48" W 97° 6' 17.48" to N 33° 32' 5.79" W 97° 5' 53.73"	
	VOR: UKW	Available from N 33° 28' 56.48" W 97° 6' 17.48" to N 33° 39' 47.42" W 97° 4' 55.55"	
	VOR: ADM	Available from N 33° 32' 48.97" W 97° 5' 48.30" to N 33° 39' 47.42" W 97° 4' 55.55"	
	VOR: URH	Available from N 33° 36' 58.05" W 97° 5' 16.93" to N 33° 39' 47.42" W 97° 4' 55.55"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Not Used
		ESV: Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
		ESV: Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
		ESV: Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
		ESV: Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
		ESV: Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Not Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

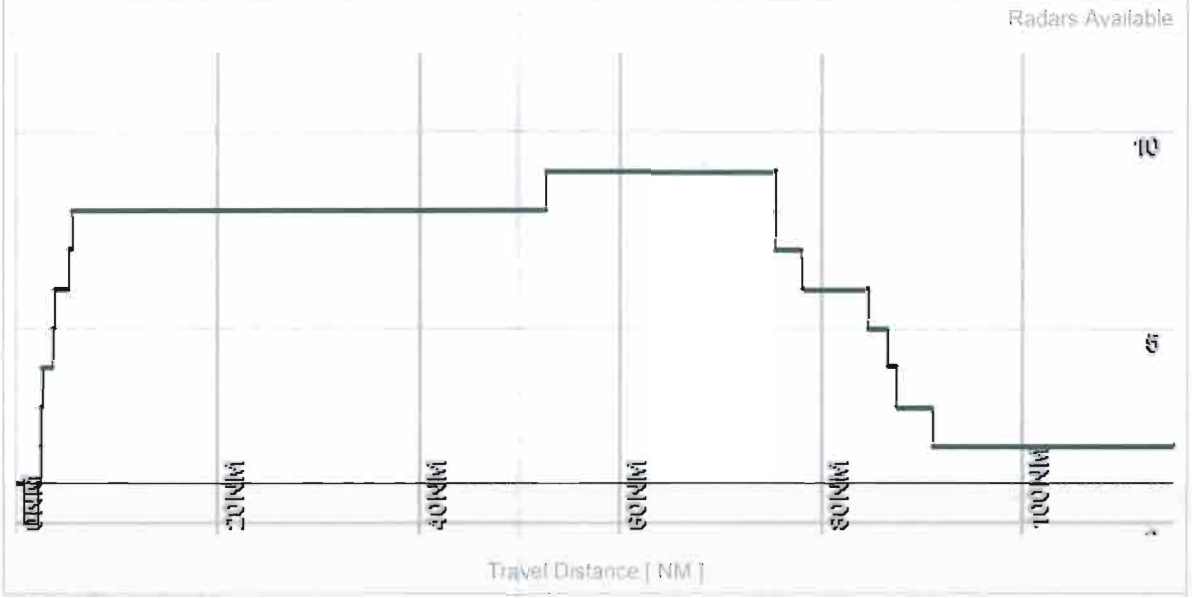
User DMEs (Continued.)

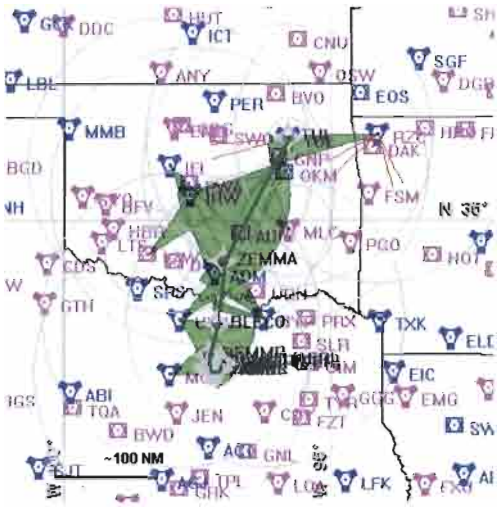
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°			Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Software:	RNAV-Pro™
Version:	2.35
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Input File:	BLECO RW18L TUL 2011...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ **Please Check Flyability Results**
DME/DME	✓
Radars	✓
Comms	?
TERPS	?

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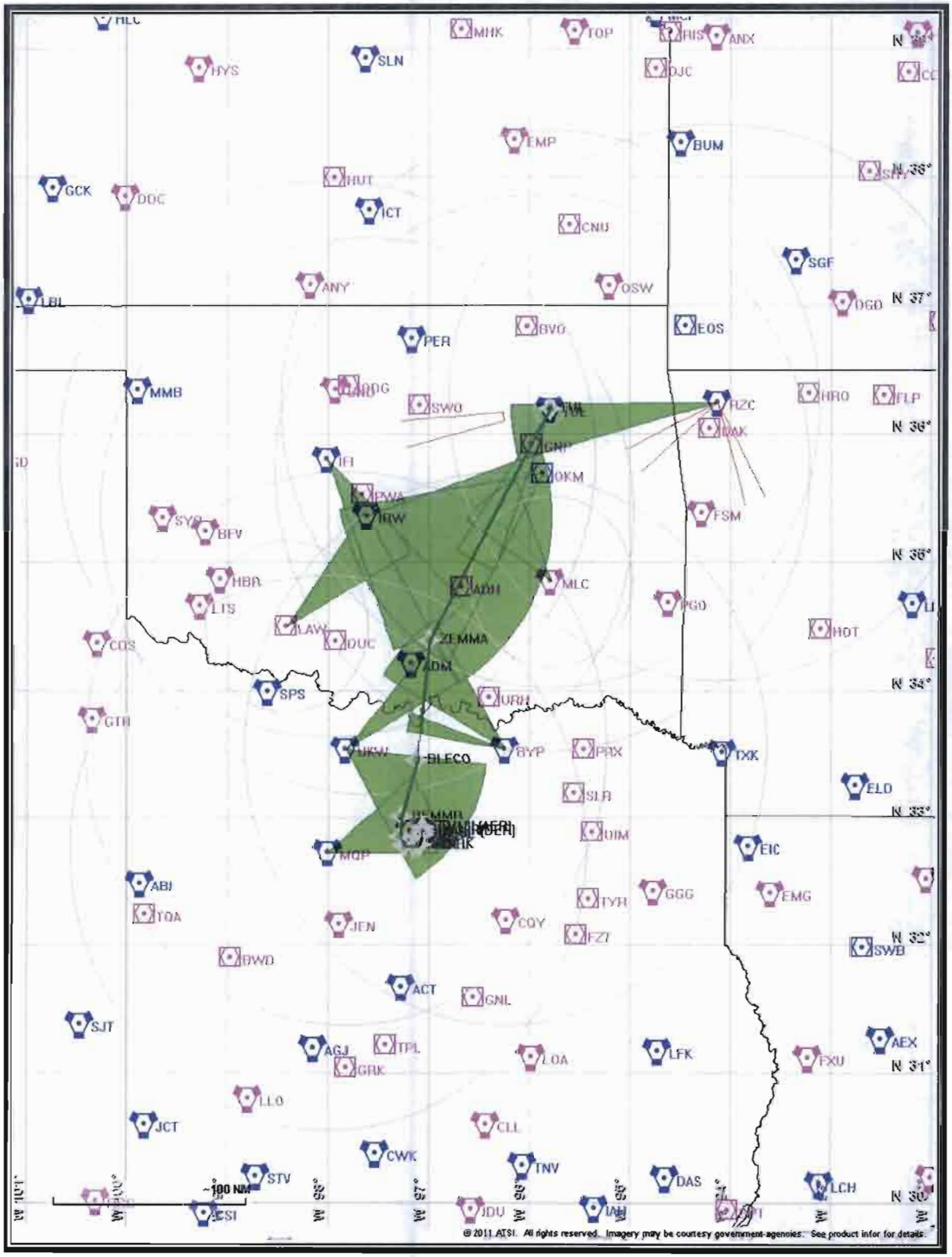
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AGJ
TPL
LOA
LFK
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AEX
GRK
LLO
JCT
CLL
CWK
TNV
STV
DAS
LCH
~100 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW18L(...	WP	N 32° 54' 56.88" W 97° 3' 2.65"	601.7	VNAV	0.0	Fly By	TF
RW36R(...	WP	N 32° 52' 44.30" W 97° 3' 3.33"	610.3	VNAV	130.0	Fly Over	VI
GH18L	WP	N 32° 51' 39.18" W 97° 3' 3.67"	1107.0	VNAV	145.0	Fly By	CF - 194.5°
BPARK	WP	N 32° 46' 31.76" W 97° 4' 51.51"	2173.7	VNAV	180.0	Fly By	TF
YAMEL	WP	N 32° 45' 55.70" W 97° 8' 28.05"	5000.0	VNAV	240.0	Fly By	TF
FIRMN	WP	N 32° 46' 17.77" W 97° 14' 28.77"	6016.5	VNAV	180.0	Fly By	TF
BINGM	WP	N 32° 50' 27.25" W 97° 16' 27.44"	6910.9	VNAV	180.0	Fly By	TF
BEMMR	WP	N 33° 0' 6.19" W 97° 16' 13.39"	8837.4	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	13000.0	VNAV	210.0	Fly By	TF
TUL	WP	N 36° 11' 46.54" W 95° 47' 17.11"	13000.0	VNAV	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -20.42 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1358 Ft.

Total Number of DMEs Used: 13

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, MQP, ADM, BYP, URH, OKM, ADH, IRW, IFI, TUL, MLC, RZC

DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	8.2 %	5.4 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	1.023	Enabled	15.9 %	12.9 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.310	Enabled	19.2 %	18.9 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	4.1 %	3.8 %
5	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H + ESV	User	NO	0.717	Enabled	12.3 %	11.5 %
6	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	10.2 %	11.1 %
7	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.911	Enabled	17.5 %	18.4 %
8	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.743	Enabled	5.8 %	5.6 %
9	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	1.433	Enabled	22.0 %	24.7 %
10	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.866	Enabled	34.2 %	38.5 %
11	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H + ESV	User	NO	1.043	Enabled	14.2 %	16.0 %
12	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L + ESV	User	NO	0.717	Enabled	7.6 %	8.6 %
13	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H + ESV	User	NO	1.012	Enabled	8.4 %	9.4 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2						
3.2	CVE	FUZ	TTT			
8.3	CVE	FUZ	TTT			
11.5	CVE	FUZ	TTT	UKW	MQP	
15.7	CVE	FUZ	TTT	UKW	MQP	
20.5	CVE	FUZ	TTT	UKW	MQP	
30.2	CVE	FUZ	TTT	UKW	MQP	
58.4	CVE	FUZ	TTT	UKW	ADM	
68.4	BYP	OKM	URH	UKW	ADM	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
114.2	BYP	OKM	IRW	ADH	ADM	
129.6	ADM	OKM	IRW	IFI		
158.6	TUL	OKM	IRW	MLC	RZC	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.88" W 97° 3' 2.65"	N 32° 50' 14.43" W 97° 3' 32.58"	4.8
	VOR: CVE	Available from N 32° 54' 56.88" W 97° 3' 2.65" to N 32° 50' 14.43" W 97° 3' 32.58"	
	VOR: FUZ	Available from N 32° 54' 56.88" W 97° 3' 2.65" to N 32° 50' 14.43" W 97° 3' 32.58"	
	VOR: TTT	Available from N 32° 54' 56.88" W 97° 3' 2.65" to N 32° 50' 14.43" W 97° 3' 32.58"	
2	N 32° 48' 57.16" W 97° 15' 44.84"	N 32° 50' 57.90" W 97° 16' 26.82"	2.1
	VOR: CVE	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
	VOR: FUZ	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
	VOR: MQP	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
	VOR: TTT	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
3	N 33° 28' 56.48" W 97° 6' 17.48"	N 33° 39' 47.42" W 97° 4' 55.55"	10.9
	VOR: CVE	Available from N 33° 28' 56.48" W 97° 6' 17.48" to N 33° 32' 15.75" W 97° 5' 52.48"	
	VOR: FUZ	Available from N 33° 28' 56.48" W 97° 6' 17.48" to N 33° 33' 12.21" W 97° 5' 45.38"	
	VOR: TTT	Available from N 33° 28' 56.48" W 97° 6' 17.48" to N 33° 32' 5.79" W 97° 5' 53.73"	
	VOR: UKW	Available from N 33° 28' 56.48" W 97° 6' 17.48" to N 33° 39' 47.42" W 97° 4' 55.55"	
	VOR: ADM	Available from N 33° 32' 48.97" W 97° 5' 48.30" to N 33° 39' 47.42" W 97° 4' 55.55"	
	VOR: URH	Available from N 33° 36' 58.05" W 97° 5' 16.93" to N 33° 39' 47.42" W 97° 4' 55.55"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

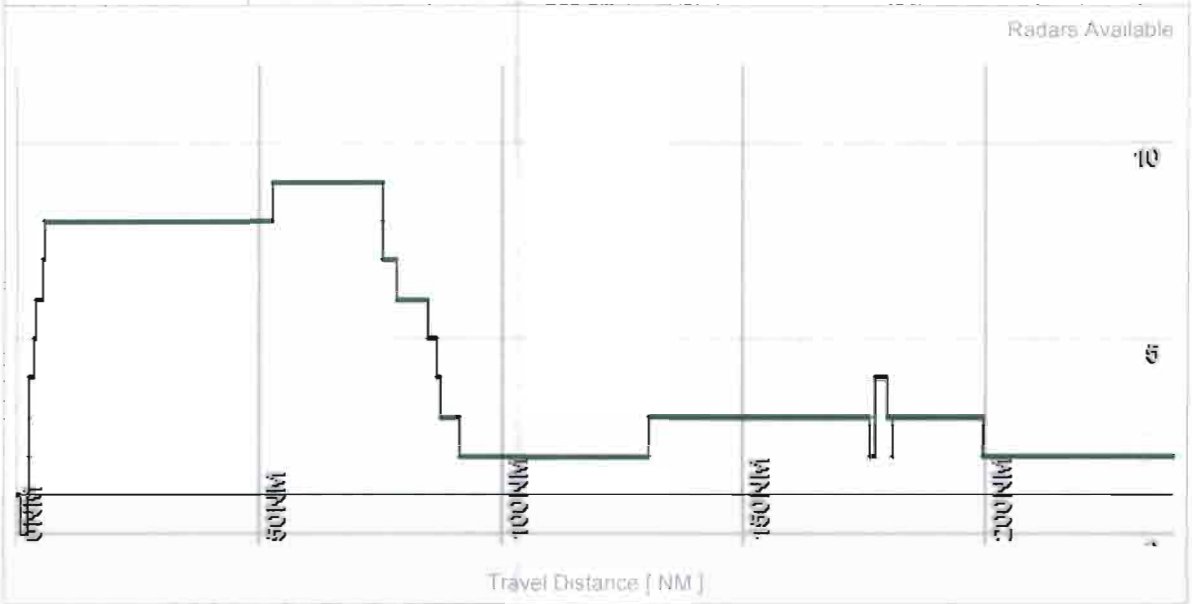
User DMEs (Continued.)

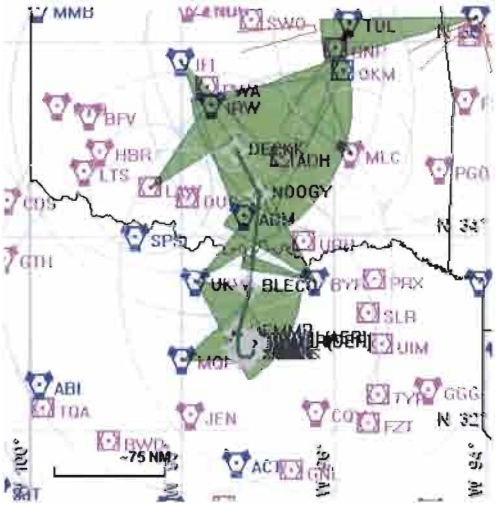
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.			

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Version:	2.35
Date/Time:	12/6/2011 9:22:17 AM
Input File:	BLECO RW18L DECKK 20..
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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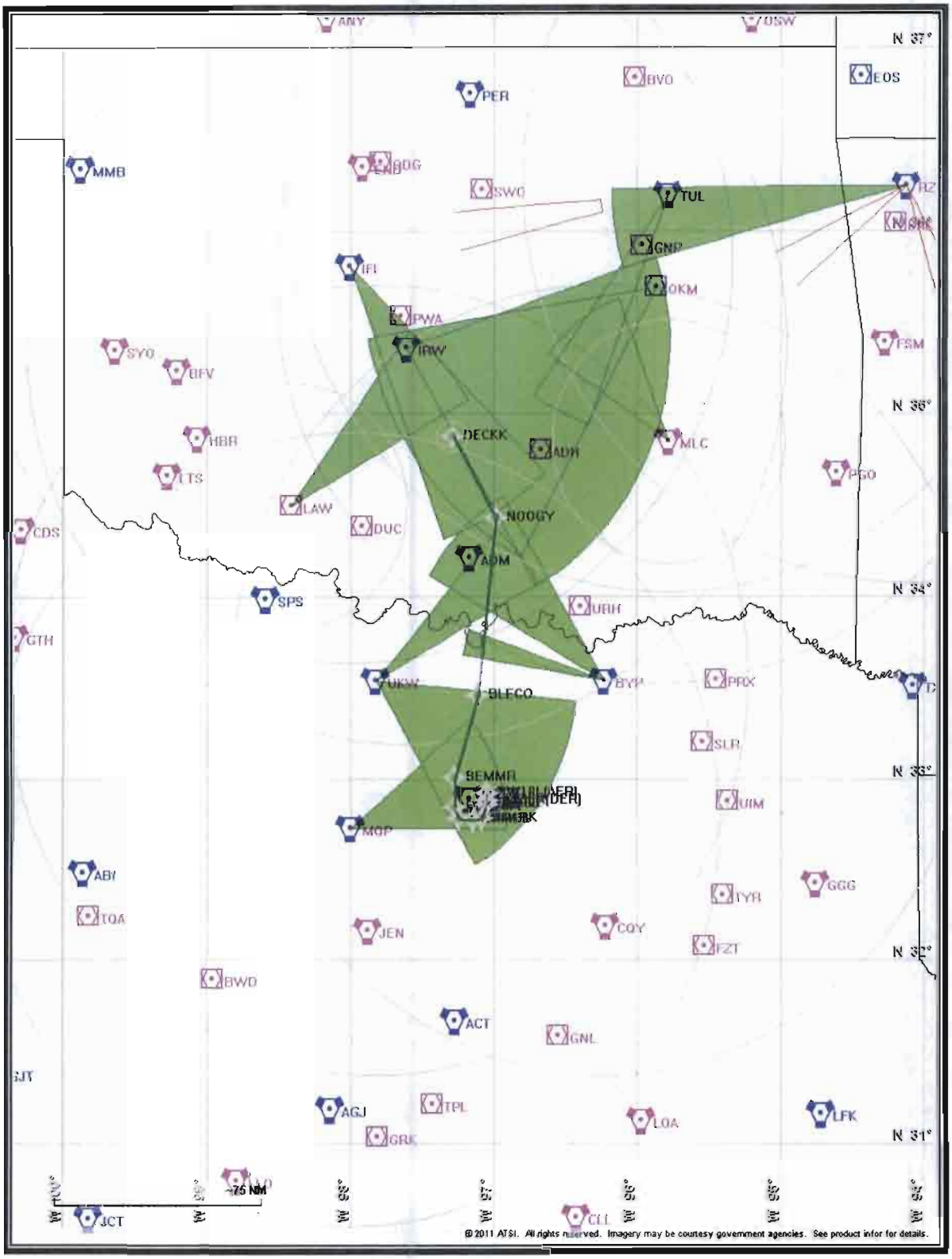
ANY
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW18L(...	WP	N 32° 54' 56.88" W 97° 3' 2.65"	601.7	VNAV	0.0	Fly By	TF
RW36R(...	WP	N 32° 52' 44.30" W 97° 3' 3.33"	610.3	VNAV	130.0	Fly Over	VI
GH18L	WP	N 32° 51' 39.18" W 97° 3' 3.67"	1107.0	VNAV	145.0	Fly By	CF - 194.5°
BPARK	WP	N 32° 46' 31.76" W 97° 4' 51.51"	2173.7	VNAV	180.0	Fly By	TF
YAMEL	WP	N 32° 45' 55.70" W 97° 8' 28.05"	5000.0	VNAV	240.0	Fly By	TF
FIRMN	WP	N 32° 46' 17.77" W 97° 14' 28.77"	6016.5	VNAV	180.0	Fly By	TF
BINGM	WP	N 32° 50' 27.25" W 97° 16' 27.44"	6910.9	VNAV	180.0	Fly By	TF
BEMMR	WP	N 33° 0' 6.19" W 97° 16' 13.39"	8837.4	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
NOOGY	WP	N 34° 25' 39.22" W 96° 59' 3.44"	18000.0	VNAV	240.0	Fly By	TF
DECKK	WP	N 34° 52' 22.12" W 97° 16' 51.92"	18000.0	VNAV	240.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -20.42 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

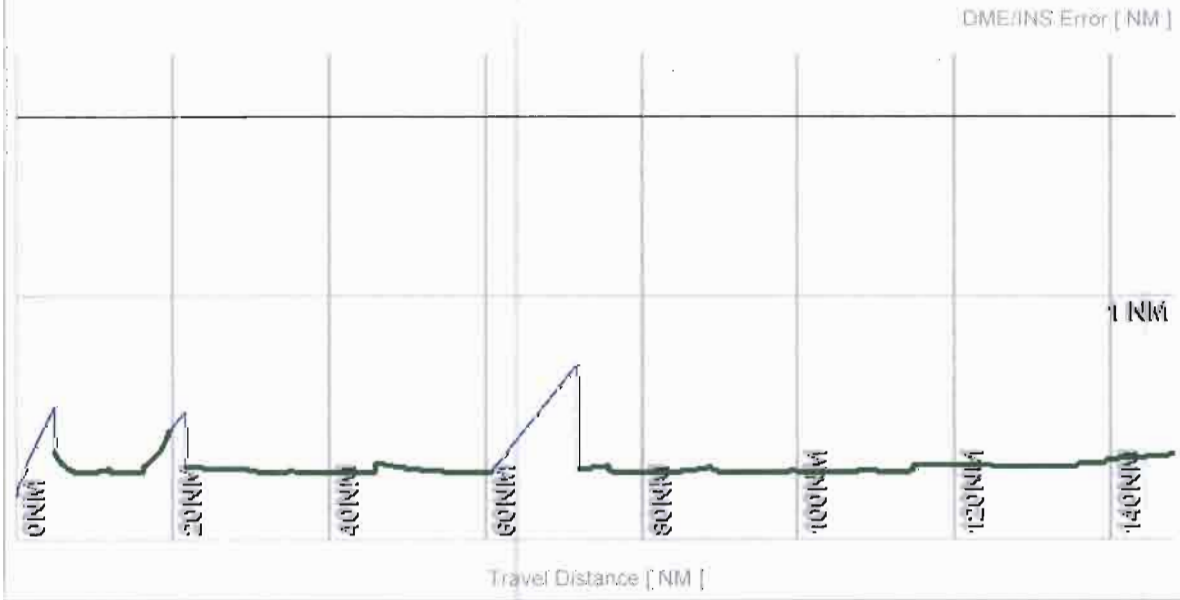
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1358 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, MQP, ADM, BYP, URH, SPS, IRW, OKM, IFI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	12.8 %	8.8 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	1.023	Enabled	24.7 %	20.8 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.310	Enabled	30.2 %	30.8 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	6.4 %	6.1 %
5	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H + ESV	User	NO	0.717	Enabled	19.1 %	18.6 %
6	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.859	Enabled	14.4 %	17.1 %
7	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.859	Enabled	20.5 %	23.8 %
8	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.717	Enabled	7.7 %	9.0 %
9	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	12.8 %	15.9 %
10	SPS	N 33° 59' 14.23" W 98° 35' 36.50"	H	Database	NO	0.717	Enabled	16.7 %	21.0 %
11	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	1.9 %	2.4 %
12	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.717	Enabled	1.2 %	1.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2						
3.2	CVE	FUZ	TTT			
8.3	CVE	FUZ	TTT			
11.5	CVE	FUZ	TTT	UKW	MQP	
15.7	CVE	FUZ	TTT	UKW	MQP	
20.5	CVE	FUZ	TTT	UKW	MQP	
30.2	CVE	FUZ	TTT	UKW	MQP	
58.4	CVE	FUZ	TTT	UKW	ADM	
68.4	CVE	BYP	URH	UKW	ADM	TTT
98.6	IRW	BYP	SPS	UKW	ADM	FUZ

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
116.7	IRW	IFI	SPS	UKW	ADM	BYP
137.8	BYP	IFI	SPS	UKW	OKM	IRW

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.88" W 97° 3' 2.65"	N 32° 50' 14.43" W 97° 3' 32.58"	4.8
	VOR: CVE	Available from N 32° 54' 56.88" W 97° 3' 2.65" to N 32° 50' 14.43" W 97° 3' 32.58"	
	VOR: FUZ	Available from N 32° 54' 56.88" W 97° 3' 2.65" to N 32° 50' 14.43" W 97° 3' 32.58"	
	VOR: TTT	Available from N 32° 54' 56.88" W 97° 3' 2.65" to N 32° 50' 14.43" W 97° 3' 32.58"	
2	N 32° 48' 57.16" W 97° 15' 44.84"	N 32° 50' 57.90" W 97° 16' 26.82"	2.1
	VOR: CVE	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
	VOR: FUZ	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
	VOR: MQP	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
	VOR: TTT	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
3	N 33° 28' 56.48" W 97° 6' 17.45"	N 33° 39' 47.42" W 97° 4' 55.49"	10.9
	VOR: CVE	Available from N 33° 28' 56.48" W 97° 6' 17.45" to N 33° 32' 15.75" W 97° 5' 52.44"	
	VOR: FUZ	Available from N 33° 28' 56.48" W 97° 6' 17.45" to N 33° 33' 12.21" W 97° 5' 45.34"	
	VOR: TTT	Available from N 33° 28' 56.48" W 97° 6' 17.45" to N 33° 32' 5.79" W 97° 5' 53.69"	
	VOR: UKW	Available from N 33° 28' 56.48" W 97° 6' 17.45" to N 33° 39' 47.42" W 97° 4' 55.49"	
	VOR: ADM	Available from N 33° 32' 48.96" W 97° 5' 48.26" to N 33° 39' 47.42" W 97° 4' 55.49"	
	VOR: URH	Available from N 33° 36' 58.05" W 97° 5' 16.88" to N 33° 39' 47.42" W 97° 4' 55.49"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

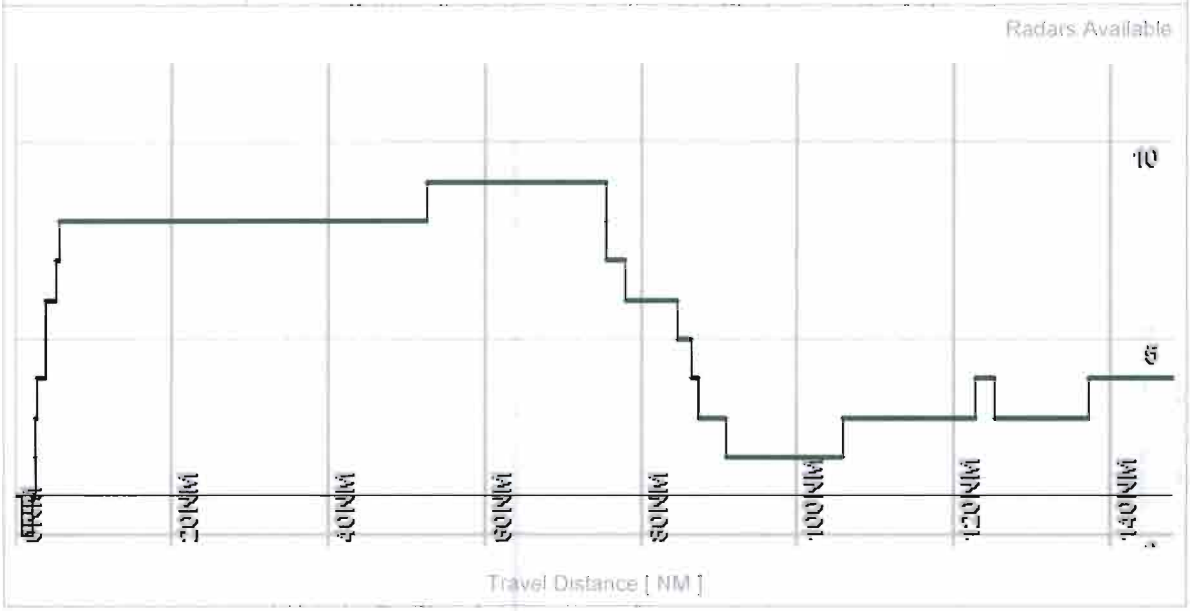
User DMEs (Continued.)

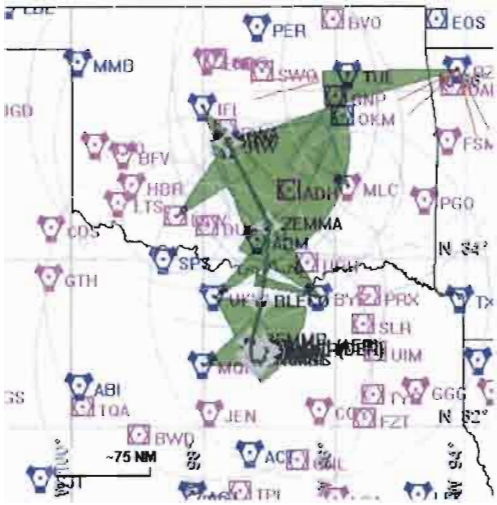
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.			

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
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Version:	2.35
Date/Time:	12/6/2011 9:37:49 AM
Input File:	BLECO RW18L IRW 2011...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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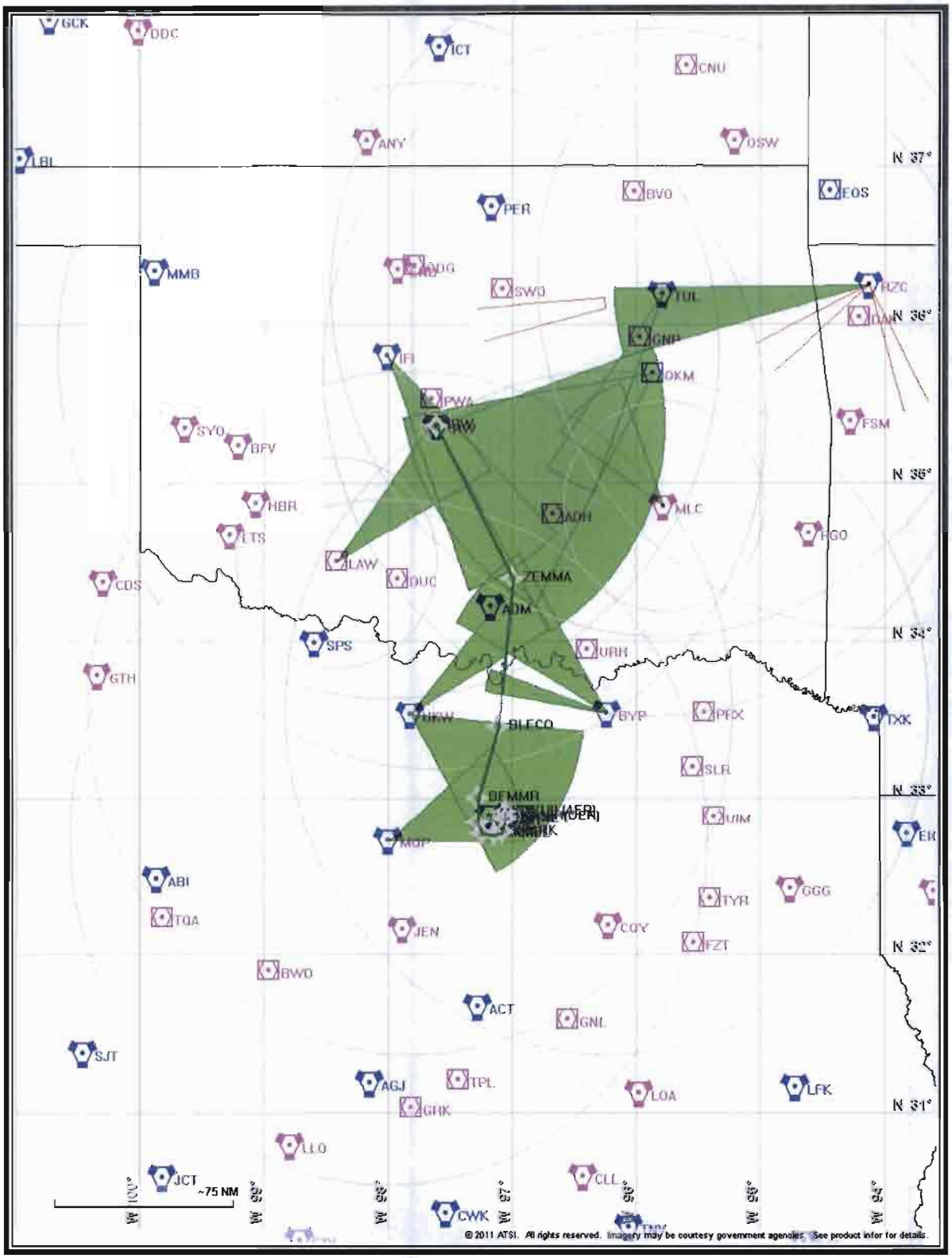
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW18L(...	WP	N 32° 54' 56.88" W 97° 3' 2.65"	601.7	VNAV	0.0	Fly By	TF
RW36R(...	WP	N 32° 52' 44.30" W 97° 3' 3.33"	610.3	VNAV	130.0	Fly Over	VI
GH18L	WP	N 32° 51' 39.18" W 97° 3' 3.67"	1107.0	VNAV	145.0	Fly By	CF - 194.5°
BPARK	WP	N 32° 46' 31.76" W 97° 4' 51.51"	2173.7	VNAV	180.0	Fly By	TF
YAMEL	WP	N 32° 45' 55.70" W 97° 8' 28.05"	5000.0	VNAV	240.0	Fly By	TF
FIRMN	WP	N 32° 46' 17.77" W 97° 14' 28.77"	6016.5	VNAV	180.0	Fly By	TF
BINGM	WP	N 32° 50' 27.25" W 97° 16' 27.44"	6910.9	VNAV	180.0	Fly By	TF
BEMMR	WP	N 33° 0' 6.19" W 97° 16' 13.39"	8837.4	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	11000.0	VNAV	210.0	Fly By	TF
IRW	WP	N 35° 21' 30.95" W 97° 36' 33.22"	11000.0	VNAV	210.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Departure **Selected Airport:** KDFW **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Departure: **120.0 Kts** out to **10.0 NM** Table: **200.0 Kts** up to **11000.0 Ft.** **240.0 Kts** up to **18000.0 Ft.** **260.0 Kts** up to **24000.0 Ft.** **340.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
Flight Track comes into contact with terrain. Minimum AGL along route was -20.42 Ft. Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.	

DME/DME

Return To Summary

Settings:

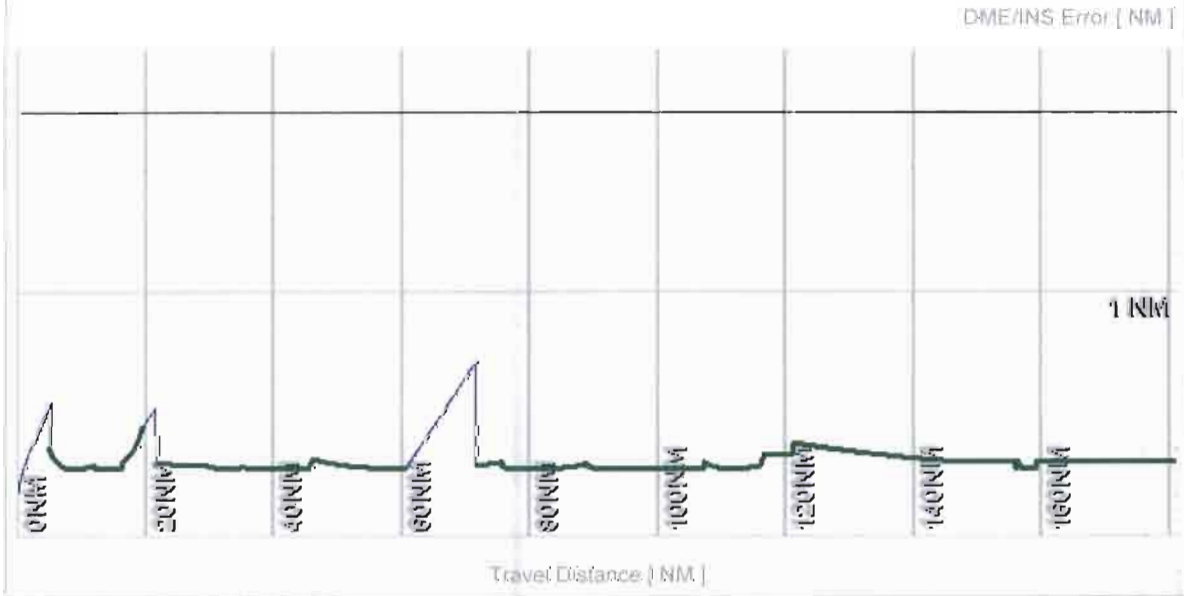
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1358 Ft.

Total Number of DMEs Used: 13

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: CVE, FUZ, TTT, UKW, MQP, ADM, BYP, URH, OKM, IFI, IRW, LAW, PWA



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	10.2 %	7.2 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	1.023	Enabled	19.7 %	17.0 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.310	Enabled	25.6 %	25.0 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	5.1 %	5.0 %
5	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H + ESV	User	NO	0.717	Enabled	15.2 %	15.2 %
6	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	14.3 %	14.8 %
7	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.922	Enabled	19.8 %	19.9 %
8	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	7.4 %	7.3 %
9	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	1.487	Enabled	28.5 %	34.1 %
10	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	17.2 %	20.5 %
11	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L + ESV	User	NO	0.717	Enabled	1.3 %	1.6 %
12	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	4.0 %	4.8 %
13	PWA	N 35° 31' 58.60" W 97° 38' 49.84"	T	Database	NO	0.717	Enabled	6.4 %	7.7 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2						
3.2	CVE	FUZ	TTT			
8.3	CVE	FUZ	TTT			
11.5	CVE	FUZ	TTT	UKW	MQP	
15.7	CVE	FUZ	TTT	UKW	MQP	
20.5	CVE	FUZ	TTT	UKW	MQP	
30.2	CVE	FUZ	TTT	UKW	MQP	
58.4	CVE	FUZ	TTT	UKW	ADM	
68.4	BYP	OKM	URH	UKW	ADM	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
114.1	BYP	OKM	IRW	IFI	ADM	
146.2	LAW	OKM	IRW	IFI	PWA	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.88" W 97° 3' 2.65"	N 32° 50' 14.43" W 97° 3' 32.58"	4.8
	VOR: CVE	Available from N 32° 54' 56.88" W 97° 3' 2.65" to N 32° 50' 14.43" W 97° 3' 32.58"	
	VOR: FUZ	Available from N 32° 54' 56.88" W 97° 3' 2.65" to N 32° 50' 14.43" W 97° 3' 32.58"	
	VOR: TTT	Available from N 32° 54' 56.88" W 97° 3' 2.65" to N 32° 50' 14.43" W 97° 3' 32.58"	
2	N 32° 48' 57.16" W 97° 15' 44.84"	N 32° 50' 57.90" W 97° 16' 26.82"	2.1
	VOR: CVE	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
	VOR: FUZ	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
	VOR: MQP	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
	VOR: TTT	Available from N 32° 48' 57.16" W 97° 15' 44.84" to N 32° 50' 57.90" W 97° 16' 26.82"	
3	N 33° 28' 56.48" W 97° 6' 17.48"	N 33° 39' 47.42" W 97° 4' 55.55"	10.9
	VOR: CVE	Available from N 33° 28' 56.48" W 97° 6' 17.48" to N 33° 32' 15.75" W 97° 5' 52.48"	
	VOR: FUZ	Available from N 33° 28' 56.48" W 97° 6' 17.48" to N 33° 33' 12.21" W 97° 5' 45.38"	
	VOR: TTT	Available from N 33° 28' 56.48" W 97° 6' 17.48" to N 33° 32' 5.79" W 97° 5' 53.73"	
	VOR: UKW	Available from N 33° 28' 56.48" W 97° 6' 17.48" to N 33° 39' 47.42" W 97° 4' 55.55"	
	VOR: ADM	Available from N 33° 32' 48.97" W 97° 5' 48.30" to N 33° 39' 47.42" W 97° 4' 55.55"	
	VOR: URH	Available from N 33° 36' 58.05" W 97° 5' 16.93" to N 33° 39' 47.42" W 97° 4' 55.55"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

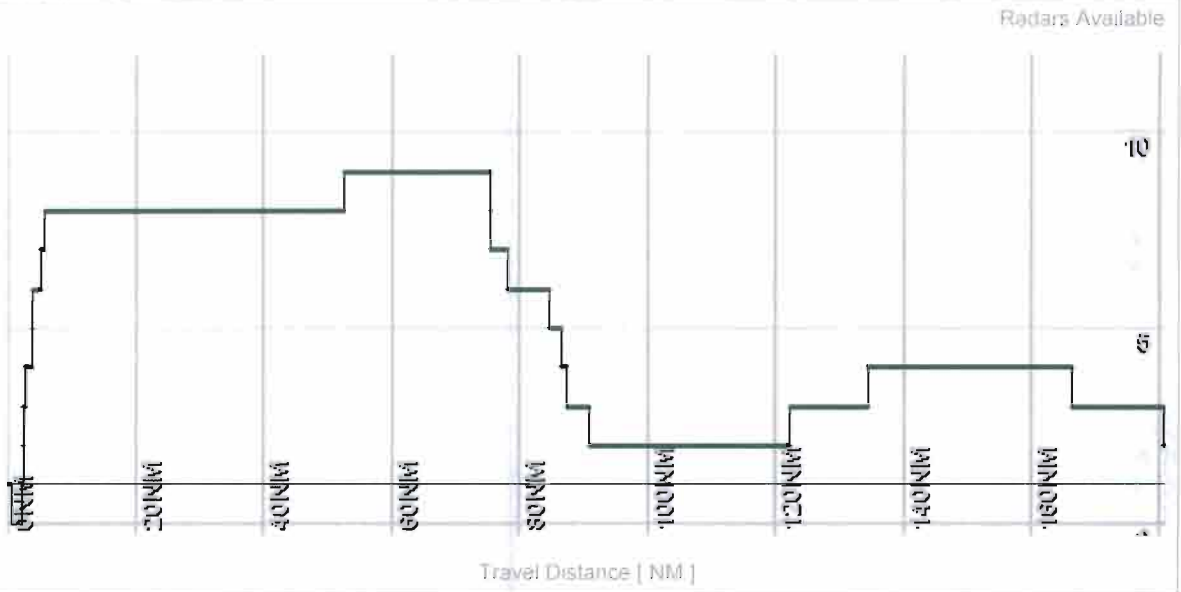
User DMEs (Continued.)

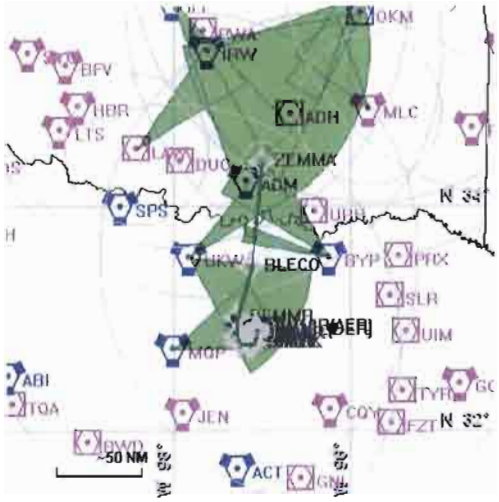
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.			

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Version:	2.35
Date/Time:	12/6/2011 11:51:16 AM
Input File:	BLECO RW18R ZEMMA 20...
Databases:	AVNIS Date: 08/26/2011 NFD Date: 07/02/2009 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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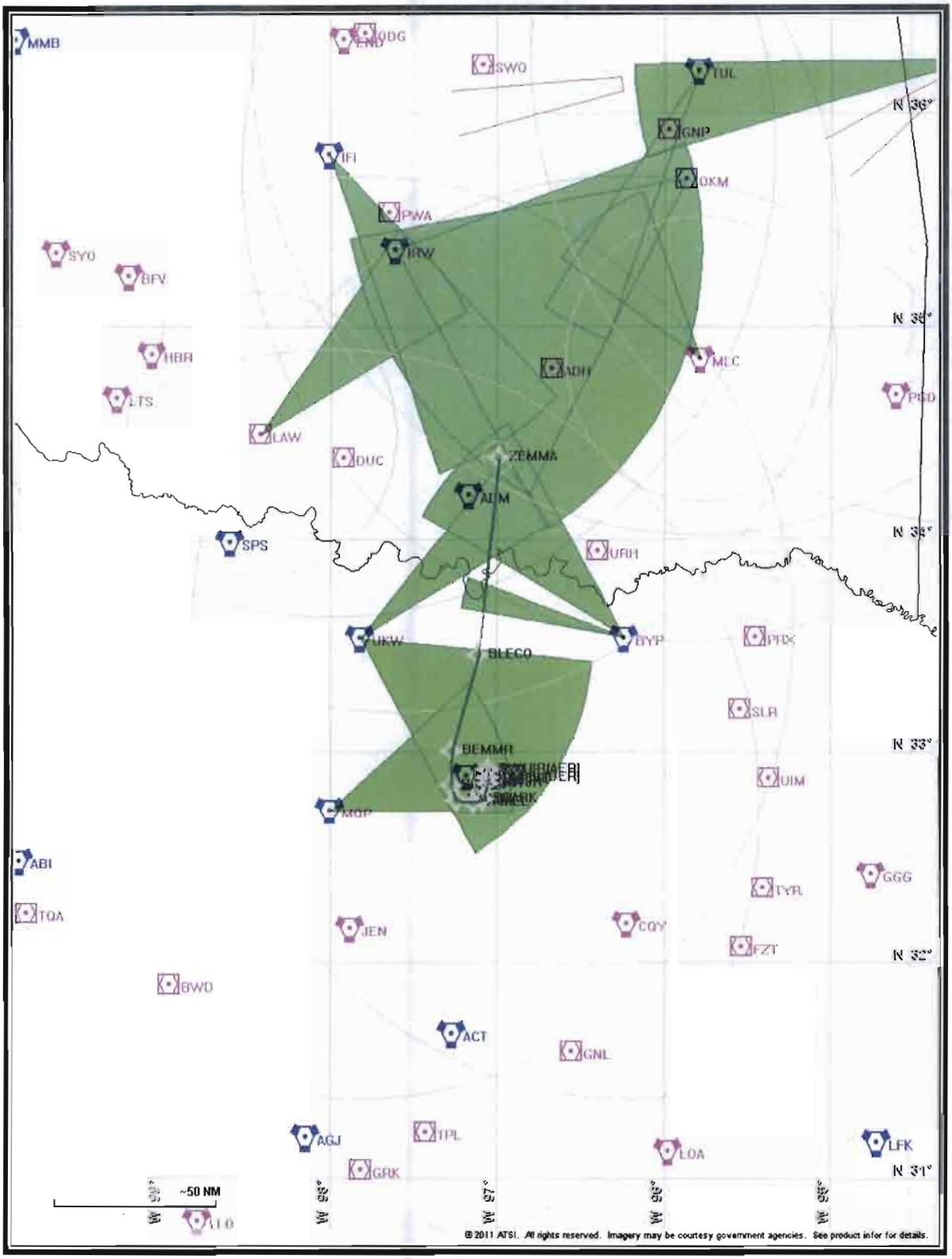
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SPS
UBH
UKW
BLECO
BYP
PRX
SLR
N 33°
BEMMR
UIM
MQP
ABI
TQA
JEN
CQY
TYR
GGG
FZT
N 32°
BWD
ACT
GNL
AGJ
TPL
LOA
LFK
GRK
N 31°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW18R(...	WP	N 32° 54' 56.93" W 97° 3' 16.71"	606.7	VNAV	0.0	Fly By	TF
RW36L(...	WP	N 32° 52' 44.35" W 97° 3' 17.40"	617.2	VNAV	130.0	Fly Over	VI
GH18R	WP	N 32° 51' 7.29" W 97° 3' 17.90"	1107.0	VNAV	145.0	Fly By	CF - 194.0°
BPARK	WP	N 32° 46' 31.76" W 97° 4' 51.51"	2060.7	VNAV	180.0	Fly By	TF
YAMEL	WP	N 32° 45' 55.70" W 97° 8' 28.05"	5000.0	VNAV	240.0	Fly By	TF
FIRMN	WP	N 32° 46' 17.77" W 97° 14' 28.77"	6016.5	VNAV	180.0	Fly By	TF
BINGM	WP	N 32° 50' 27.25" W 97° 16' 27.44"	6910.9	VNAV	180.0	Fly By	TF
BEMMR	WP	N 33° 0' 6.19" W 97° 16' 13.39"	8837.4	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	9000.0	VNAV	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -15.38 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

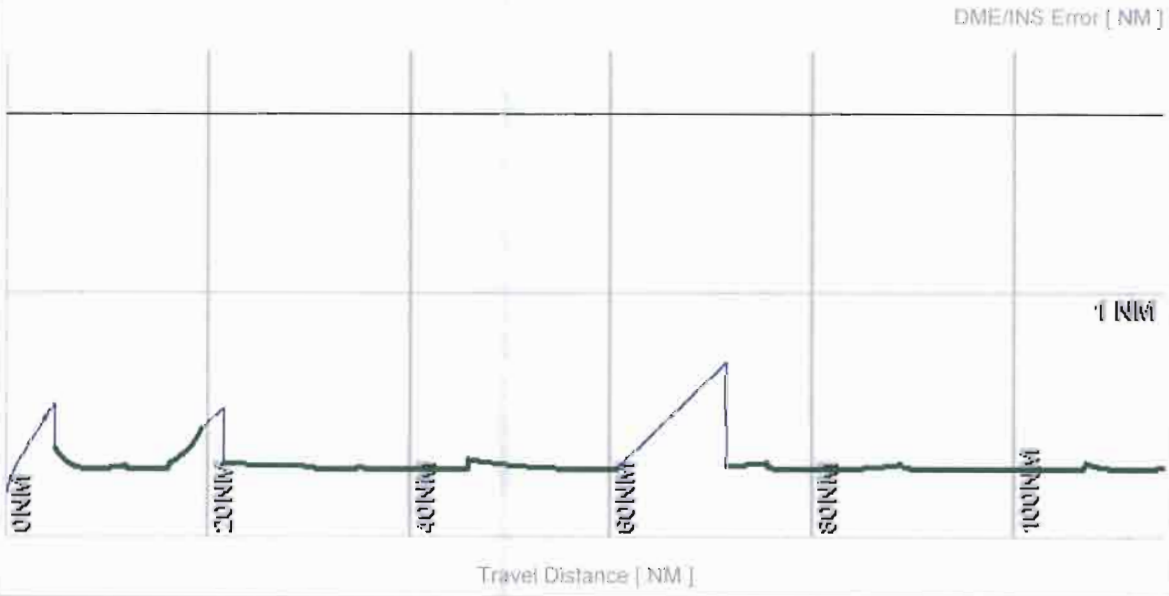
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1008 Ft.

Total Number of DMEs Used: 8

Maximum DME Error: 0.717 NM

No Critical DMEs were found.

Available DMEs: FUZ, CVE, TTT, UKW, MQP, ADM, BYP, URH, OKM



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	14.8 %	11.3 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	1.021	Enabled	28.5 %	26.9 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.310	Enabled	36.7 %	39.3 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	7.4 %	7.8 %
5	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H + ESV	User	NO	0.717	Enabled	21.8 %	23.8 %
6	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	16.4 %	17.9 %
7	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.920	Enabled	27.7 %	30.2 %
8	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	10.6 %	11.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	FUZ					
3.7	FUZ	CVE	TTT			
8.2	FUZ	CVE	TTT			
11.5	FUZ	CVE	TTT	UKW	MQP	
15.7	FUZ	CVE	TTT	UKW	MQP	
20.5	FUZ	CVE	TTT	UKW	MQP	
30.1	FUZ	CVE	TTT	UKW	MQP	
58.3	FUZ	CVE	TTT	UKW	ADM	
68.4	BYP	OKM	URH	UKW	ADM	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.93" W 97° 3' 16.71"	N 32° 51' 17.19" W 97° 3' 17.85"	3.7
	VOR: CVE	Available from N 32° 54' 56.93" W 97° 3' 16.71" to N 32° 51' 17.19" W 97° 3' 17.85"	
	VOR: FUZ	Available from N 32° 54' 56.93" W 97° 3' 16.71" to N 32° 51' 17.19" W 97° 3' 17.85"	
	VOR: TTT	Available from N 32° 54' 56.93" W 97° 3' 16.71" to N 32° 51' 17.19" W 97° 3' 17.85"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 32° 51' 9.18" W 97° 3' 18.10"	N 32° 50' 13.02" W 97° 3' 35.44"	1.0
	VOR: CVE	Available from N 32° 51' 9.18" W 97° 3' 18.10" to N 32° 50' 13.02" W 97° 3' 35.44"	
	VOR: FUZ	Available from N 32° 51' 9.18" W 97° 3' 18.10" to N 32° 50' 13.02" W 97° 3' 35.44"	
	VOR: TTT	Available from N 32° 51' 9.18" W 97° 3' 18.10" to N 32° 50' 13.02" W 97° 3' 35.44"	
3	N 32° 48' 56.00" W 97° 15' 44.32"	N 32° 51' 0.00" W 97° 16' 26.81"	2.2
	VOR: CVE	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
	VOR: FUZ	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
	VOR: MQP	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
	VOR: TTT	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
4	N 33° 28' 55.25" W 97° 6' 17.63"	N 33° 39' 46.19" W 97° 4' 55.71"	10.9
	VOR: CVE	Available from N 33° 28' 55.25" W 97° 6' 17.63" to N 33° 32' 14.52" W 97° 5' 52.63"	
	VOR: FUZ	Available from N 33° 28' 55.25" W 97° 6' 17.63" to N 33° 33' 10.98" W 97° 5' 45.53"	
	VOR: TTT	Available from N 33° 28' 55.25" W 97° 6' 17.63" to N 33° 32' 4.56" W 97° 5' 53.88"	
	VOR: UKW	Available from N 33° 28' 55.25" W 97° 6' 17.63" to N 33° 39' 46.19" W 97° 4' 55.71"	
	VOR: ADM	Available from N 33° 32' 47.73" W 97° 5' 48.46" to N 33° 39' 46.19" W 97° 4' 55.71"	
	VOR: URH	Available from N 33° 36' 56.82" W 97° 5' 17.09" to N 33° 39' 46.19" W 97° 4' 55.71"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
		ESV: Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Not Used
		ESV: Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
		ESV: Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
		ESV: Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
		ESV: Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
		ESV: Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Not Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

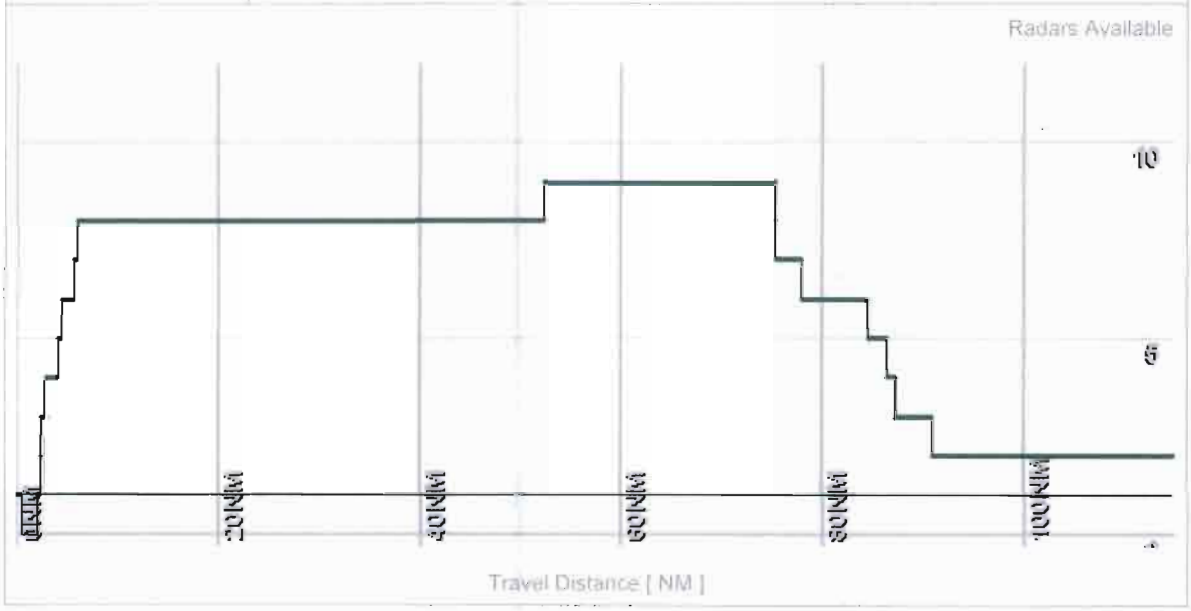
User DMEs (Continued.)

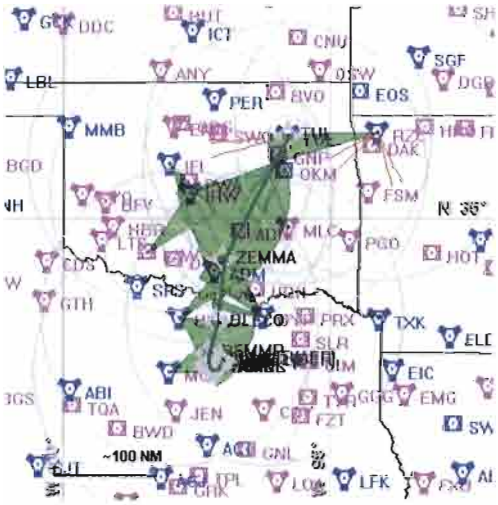
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°			Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/6/2011 11:40:13 AM
Input File:	BLECO RW18R TUL 2011...
Databases:	AVNIS Date: 08/26/2011 NFD Date: 07/02/2009 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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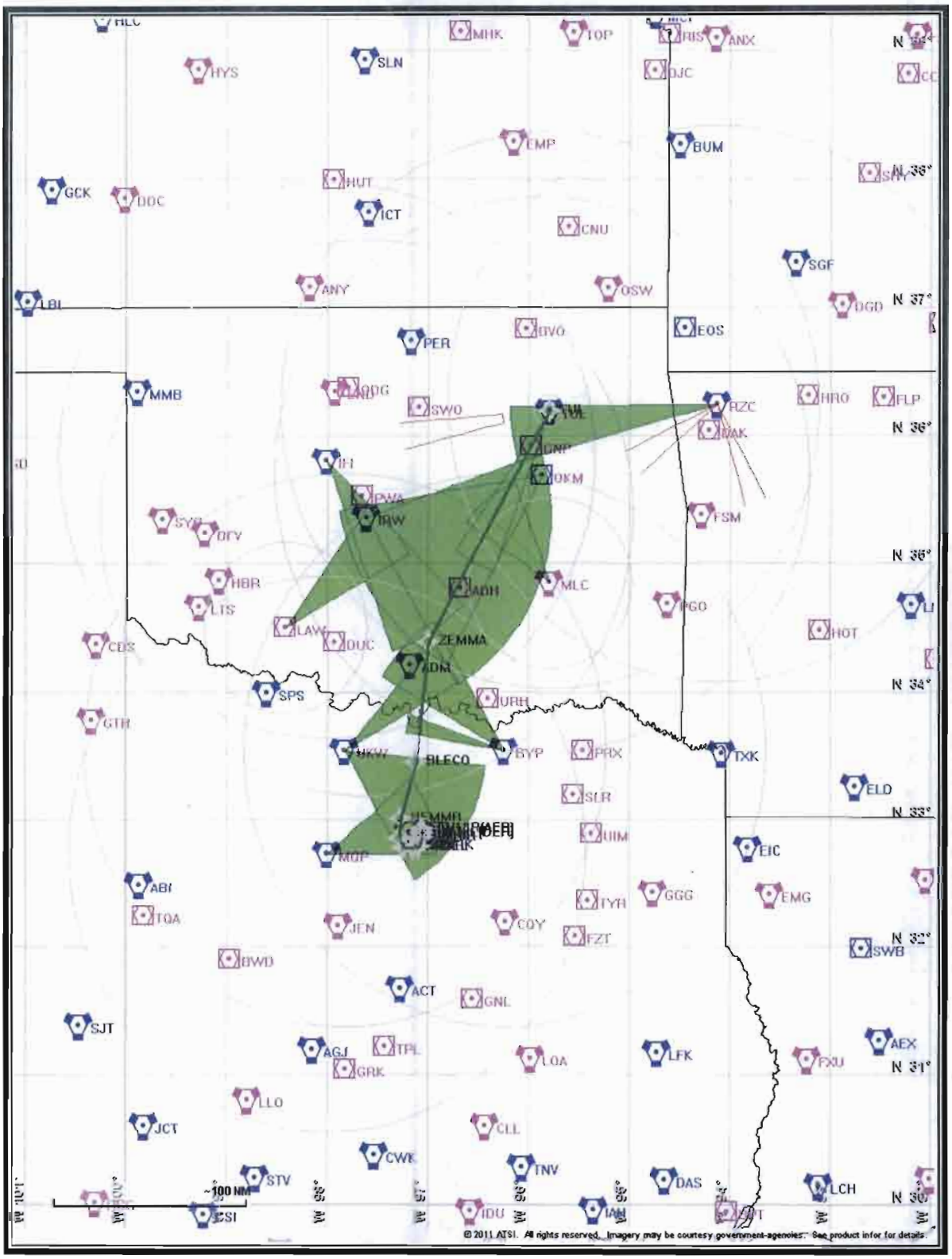
MHK
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DAS
LCH
~100 NM
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IAH
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW18R(...	WP	N 32° 54' 56.93" W 97° 3' 16.71"	606.7	VNAV	0.0	Fly By	TF
RW36L(...	WP	N 32° 52' 44.35" W 97° 3' 17.40"	617.2	VNAV	130.0	Fly Over	VI
GH18R	WP	N 32° 51' 7.29" W 97° 3' 17.90"	1107.0	VNAV	145.0	Fly By	CF - 194.0°
BPARK	WP	N 32° 46' 31.76" W 97° 4' 51.51"	2060.7	VNAV	180.0	Fly By	TF
YAMEL	WP	N 32° 45' 55.70" W 97° 8' 28.05"	5000.0	VNAV	240.0	Fly By	TF
FIRMN	WP	N 32° 46' 17.77" W 97° 14' 28.77"	6016.5	VNAV	180.0	Fly By	TF
BINGM	WP	N 32° 50' 27.25" W 97° 16' 27.44"	6910.9	VNAV	180.0	Fly By	TF
BEMMR	WP	N 33° 0' 6.19" W 97° 16' 13.39"	8837.4	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	13000.0	VNAV	210.0	Fly By	TF
TUL	WP	N 36° 11' 46.54" W 95° 47' 17.11"	13000.0	VNAV	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -15.38 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

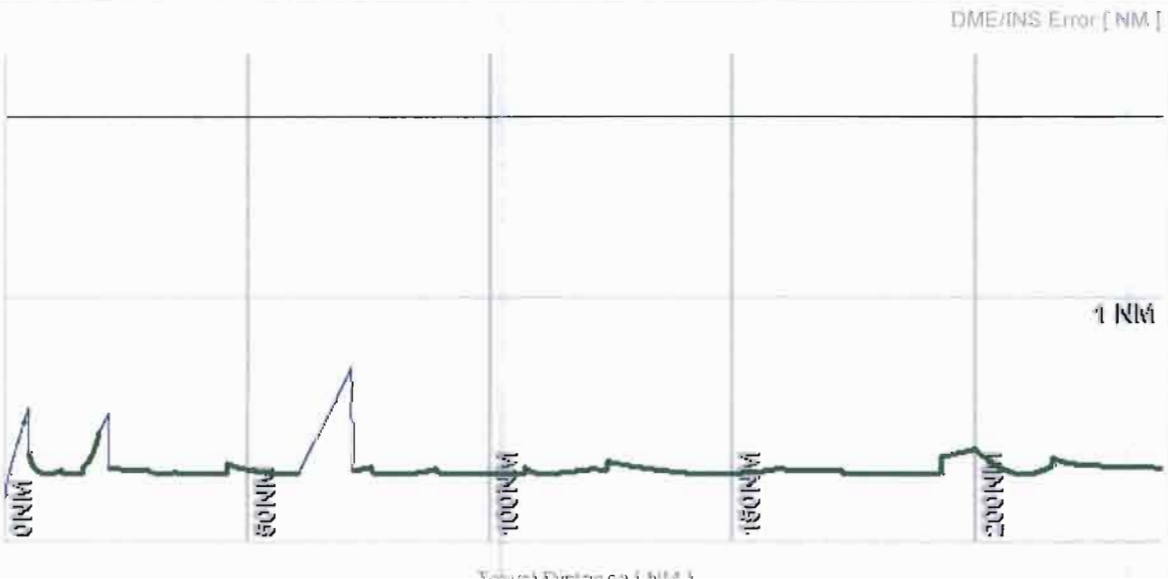
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1008 Ft.

Total Number of DMEs Used: 13

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: FUZ, CVE, TTT, UKW, MQP, ADM, BYP, URH, OKM, ADH, IRW, IFI, TUL, MLC, RZC



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	8.3 %	5.5 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	1.021	Enabled	16.0 %	13.0 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.310	Enabled	19.2 %	18.9 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	4.1 %	3.8 %
5	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H + ESV	User	NO	0.717	Enabled	12.2 %	11.5 %
6	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	10.1 %	11.1 %
7	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.909	Enabled	17.6 %	18.4 %
8	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.741	Enabled	5.8 %	5.6 %
9	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	1.436	Enabled	22.0 %	24.8 %
10	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.866	Enabled	34.2 %	38.5 %
11	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H + ESV	User	NO	1.046	Enabled	14.3 %	16.1 %
12	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L + ESV	User	NO	0.717	Enabled	7.6 %	8.6 %
13	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H + ESV	User	NO	1.012	Enabled	8.3 %	9.4 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	FUZ					
3.7	FUZ	CVE	TTT			
8.2	FUZ	CVE	TTT			
11.5	FUZ	CVE	TTT	UKW	MQP	
15.7	FUZ	CVE	TTT	UKW	MQP	
20.5	FUZ	CVE	TTT	UKW	MQP	
30.1	FUZ	CVE	TTT	UKW	MQP	
58.3	FUZ	CVE	TTT	UKW	ADM	
68.4	BYP	OKM	URH	UKW	ADM	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
114.2	BYP	OKM	IRW	ADH	ADM	
129.6	ADM	OKM	IRW	IFI		
158.5	TUL	OKM	IRW	MLC	RZC	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.93" W 97° 3' 16.71"	N 32° 51' 17.19" W 97° 3' 17.85"	3.7
	VOR: CVE	Available from N 32° 54' 56.93" W 97° 3' 16.71" to N 32° 51' 17.19" W 97° 3' 17.85"	
	VOR: FUZ	Available from N 32° 54' 56.93" W 97° 3' 16.71" to N 32° 51' 17.19" W 97° 3' 17.85"	
	VOR: TTT	Available from N 32° 54' 56.93" W 97° 3' 16.71" to N 32° 51' 17.19" W 97° 3' 17.85"	
2	N 32° 51' 9.18" W 97° 3' 18.10"	N 32° 50' 13.02" W 97° 3' 35.44"	1.0
	VOR: CVE	Available from N 32° 51' 9.18" W 97° 3' 18.10" to N 32° 50' 13.02" W 97° 3' 35.44"	
	VOR: FUZ	Available from N 32° 51' 9.18" W 97° 3' 18.10" to N 32° 50' 13.02" W 97° 3' 35.44"	
	VOR: TTT	Available from N 32° 51' 9.18" W 97° 3' 18.10" to N 32° 50' 13.02" W 97° 3' 35.44"	
3	N 32° 48' 56.00" W 97° 15' 44.32"	N 32° 51' 0.00" W 97° 16' 26.81"	2.2
	VOR: CVE	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
	VOR: FUZ	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
	VOR: MQP	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
	VOR: TTT	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
4	N 33° 28' 55.25" W 97° 6' 17.63"	N 33° 39' 46.19" W 97° 4' 55.71"	10.9
	VOR: CVE	Available from N 33° 28' 55.25" W 97° 6' 17.63" to N 33° 32' 14.52" W 97° 5' 52.63"	
	VOR: FUZ	Available from N 33° 28' 55.25" W 97° 6' 17.63" to N 33° 33' 10.98" W 97° 5' 45.53"	
	VOR: TTT	Available from N 33° 28' 55.25" W 97° 6' 17.63" to N 33° 32' 4.56" W 97° 5' 53.88"	
	VOR: UKW	Available from N 33° 28' 55.25" W 97° 6' 17.63" to N 33° 39' 46.19" W 97° 4' 55.71"	
	VOR: ADM	Available from N 33° 32' 47.73" W 97° 5' 48.46" to N 33° 39' 46.19" W 97° 4' 55.71"	
	VOR: URH	Available from N 33° 36' 56.82" W 97° 5' 17.09" to N 33° 39' 46.19" W 97° 4' 55.71"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Not Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

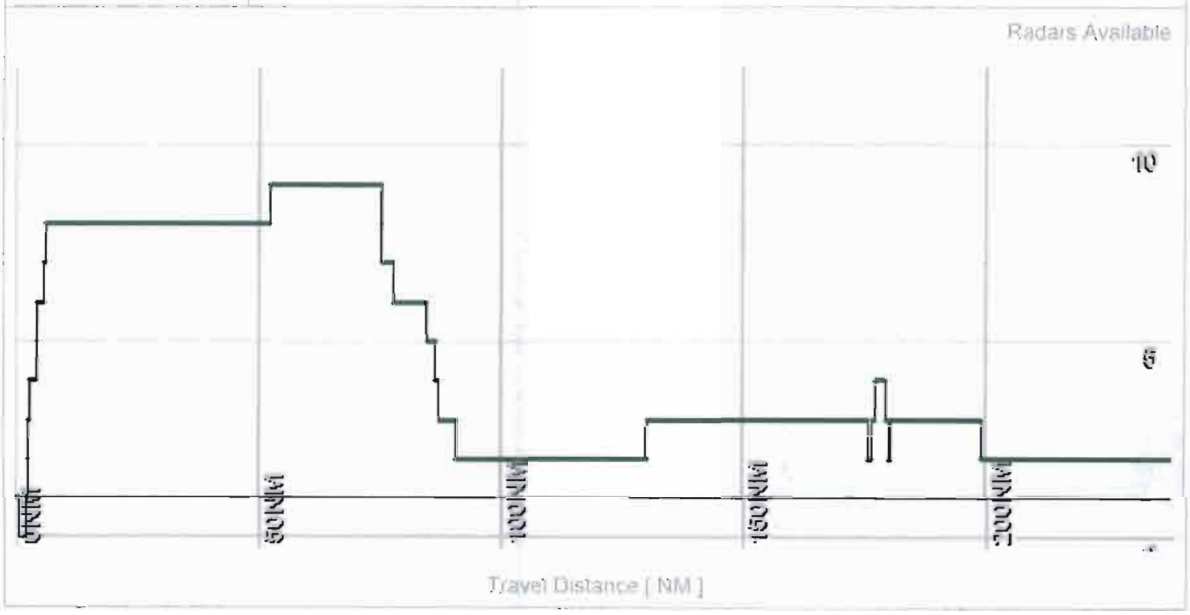
User DMEs (Continued.)

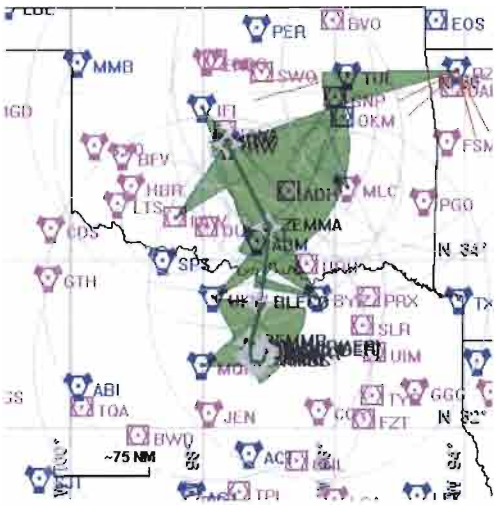
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Used
		Restriction: Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Used
		ESV: Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°			Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/6/2011 11:04:41 AM
Input File:	BLECO RW18R IRW 2011...
Databases:	AVNIS Date: 08/26/2011 NFD Date: 07/02/2009 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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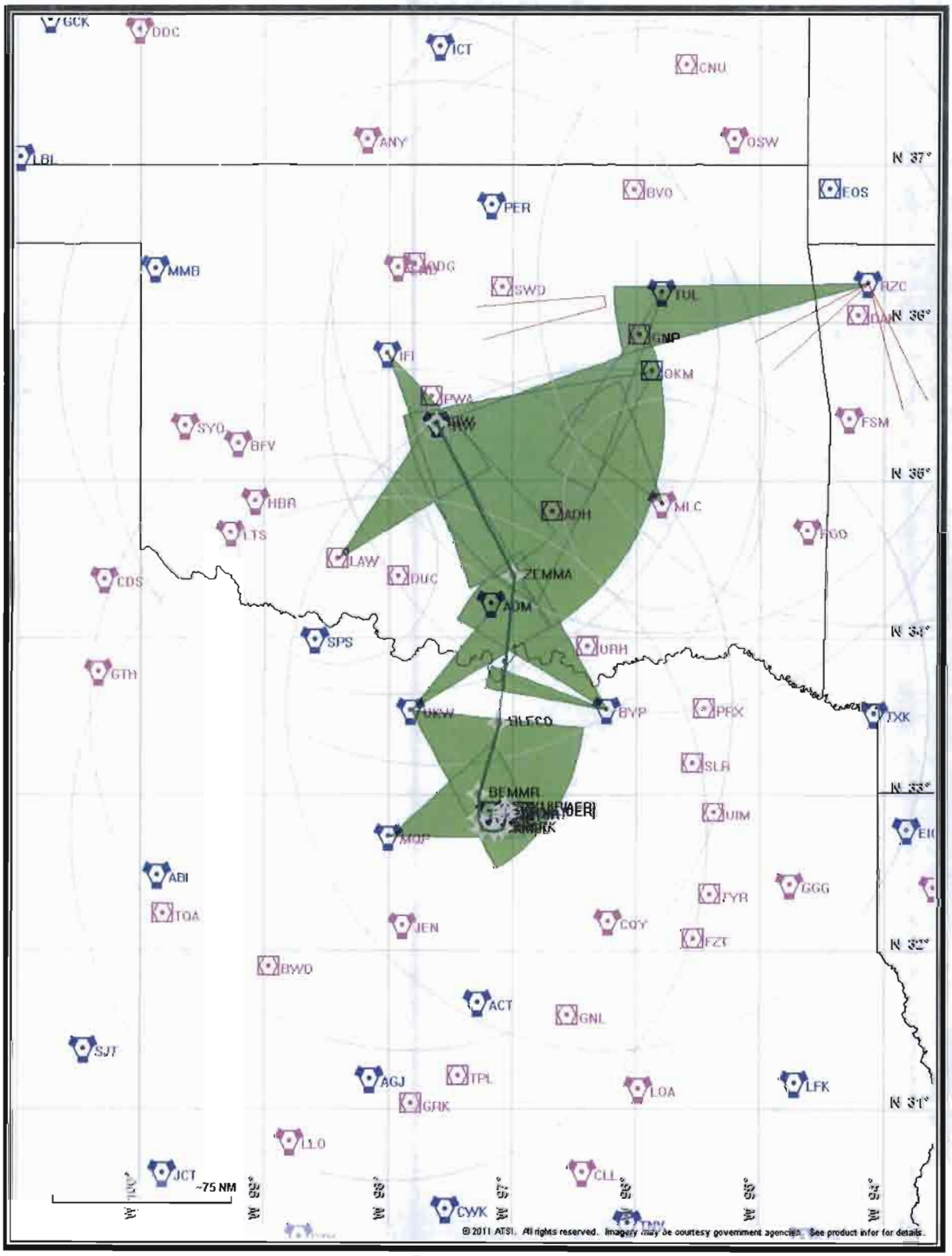
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GNL
SJT
AGJ
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GRK
N 31°
LLO
JCT
CLL
~75 NM
CWK
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW18R(...	WP	N 32° 54' 56.93" W 97° 3' 16.71"	606.7	VNAV	0.0	Fly By	TF
RW36L(...	WP	N 32° 52' 44.35" W 97° 3' 17.40"	617.2	VNAV	130.0	Fly Over	VI
GH18R	WP	N 32° 51' 7.29" W 97° 3' 17.90"	1107.0	VNAV	145.0	Fly By	CF - 194.0°
BPARK	WP	N 32° 46' 31.76" W 97° 4' 51.51"	2060.7	VNAV	180.0	Fly By	TF
YAMEL	WP	N 32° 45' 55.70" W 97° 8' 28.05"	5000.0	VNAV	240.0	Fly By	TF
FIRMN	WP	N 32° 46' 17.77" W 97° 14' 28.77"	6016.5	VNAV	180.0	Fly By	TF
BINGM	WP	N 32° 50' 27.25" W 97° 16' 27.44"	6910.9	VNAV	180.0	Fly By	TF
BEMMR	WP	N 33° 0' 6.19" W 97° 16' 13.39"	8837.4	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
ZEMMA	WP	N 34° 23' 1.81" W 96° 59' 24.01"	11000.0	VNAV	210.0	Fly By	TF
IRW	WP	N 35° 21' 30.95" W 97° 36' 33.22"	11000.0	VNAV	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -15.38 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

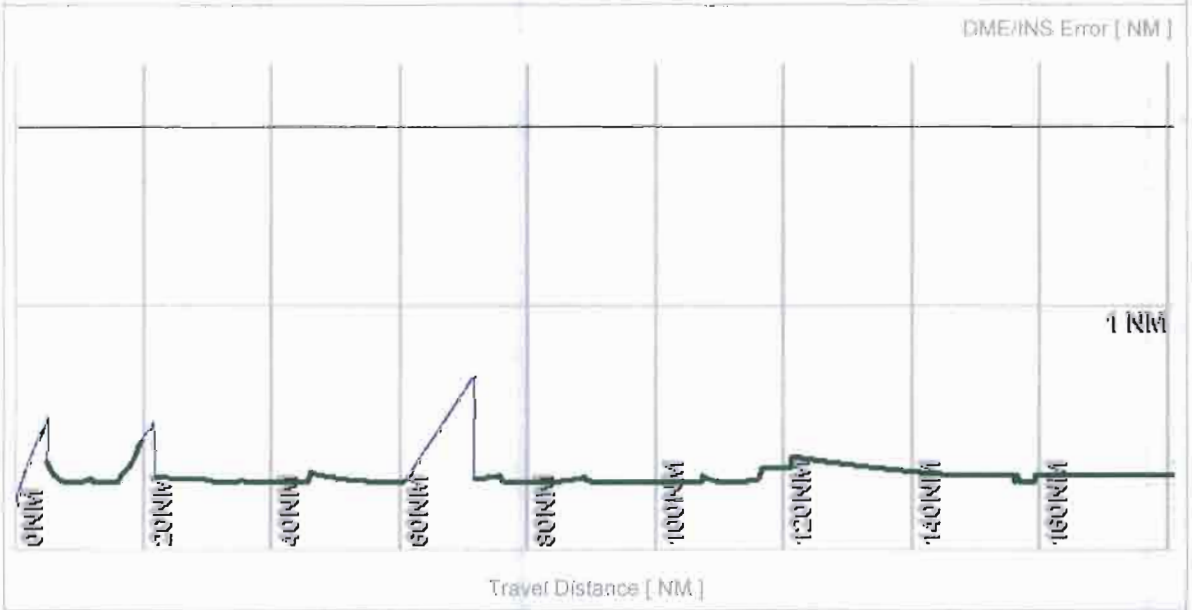
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1008 Ft.

Total Number of DMEs Used: 13

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: FUZ, CVE, TTT, UKW, MQP, ADM, BYP, URH, OKM, IFI, IRW, LAW, PWA



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	10.3 %	7.2 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	1.021	Enabled	19.8 %	17.1 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.310	Enabled	25.5 %	25.0 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	5.1 %	5.0 %
5	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H + ESV	User	NO	0.717	Enabled	15.2 %	15.2 %
6	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.879	Enabled	14.2 %	14.8 %
7	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.920	Enabled	19.9 %	19.9 %
8	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.752	Enabled	7.4 %	7.4 %
9	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	1.487	Enabled	28.5 %	34.1 %
10	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	17.2 %	20.6 %
11	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L + ESV	User	NO	0.717	Enabled	1.4 %	1.6 %
12	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	4.0 %	4.8 %
13	PWA	N 35° 31' 58.60" W 97° 38' 49.84"	T	Database	NO	0.717	Enabled	6.4 %	7.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	FUZ					
3.7	FUZ	CVE	TTT			
8.2	FUZ	CVE	TTT			
11.5	FUZ	CVE	TTT	UKW	MQP	
15.7	FUZ	CVE	TTT	UKW	MQP	
20.5	FUZ	CVE	TTT	UKW	MQP	
30.1	FUZ	CVE	TTT	UKW	MQP	
58.3	FUZ	CVE	TTT	UKW	ADM	
68.4	BYP	OKM	URH	UKW	ADM	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
114.1	BYP	OKM	IRW	IFI	ADM	
146.2	LAW	OKM	IRW	IFI	PWA	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.93" W 97° 3' 16.71"	N 32° 51' 17.19" W 97° 3' 17.85"	3.7
	VOR: CVE	Available from N 32° 54' 56.93" W 97° 3' 16.71" to N 32° 51' 17.19" W 97° 3' 17.85"	
	VOR: FUZ	Available from N 32° 54' 56.93" W 97° 3' 16.71" to N 32° 51' 17.19" W 97° 3' 17.85"	
	VOR: TTT	Available from N 32° 54' 56.93" W 97° 3' 16.71" to N 32° 51' 17.19" W 97° 3' 17.85"	
2	N 32° 51' 9.18" W 97° 3' 18.10"	N 32° 50' 13.02" W 97° 3' 35.44"	1.0
	VOR: CVE	Available from N 32° 51' 9.18" W 97° 3' 18.10" to N 32° 50' 13.02" W 97° 3' 35.44"	
	VOR: FUZ	Available from N 32° 51' 9.18" W 97° 3' 18.10" to N 32° 50' 13.02" W 97° 3' 35.44"	
	VOR: TTT	Available from N 32° 51' 9.18" W 97° 3' 18.10" to N 32° 50' 13.02" W 97° 3' 35.44"	
3	N 32° 48' 56.00" W 97° 15' 44.32"	N 32° 51' 0.00" W 97° 16' 26.81"	2.2
	VOR: CVE	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
	VOR: FUZ	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
	VOR: MQP	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
	VOR: TTT	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
4	N 33° 28' 55.25" W 97° 6' 17.63"	N 33° 39' 46.19" W 97° 4' 55.71"	10.9
	VOR: CVE	Available from N 33° 28' 55.25" W 97° 6' 17.63" to N 33° 32' 14.52" W 97° 5' 52.63"	
	VOR: FUZ	Available from N 33° 28' 55.25" W 97° 6' 17.63" to N 33° 33' 10.98" W 97° 5' 45.53"	
	VOR: TTT	Available from N 33° 28' 55.25" W 97° 6' 17.63" to N 33° 32' 4.56" W 97° 5' 53.88"	
	VOR: UKW	Available from N 33° 28' 55.25" W 97° 6' 17.63" to N 33° 39' 46.19" W 97° 4' 55.71"	
	VOR: ADM	Available from N 33° 32' 47.73" W 97° 5' 48.46" to N 33° 39' 46.19" W 97° 4' 55.71"	
	VOR: URH	Available from N 33° 36' 56.82" W 97° 5' 17.09" to N 33° 39' 46.19" W 97° 4' 55.71"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
	ESV:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
	ESV:	Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
	ESV:	Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
	ESV:	Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
	ESV:	Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			

DME/DME (Continued.)

Return To Summary

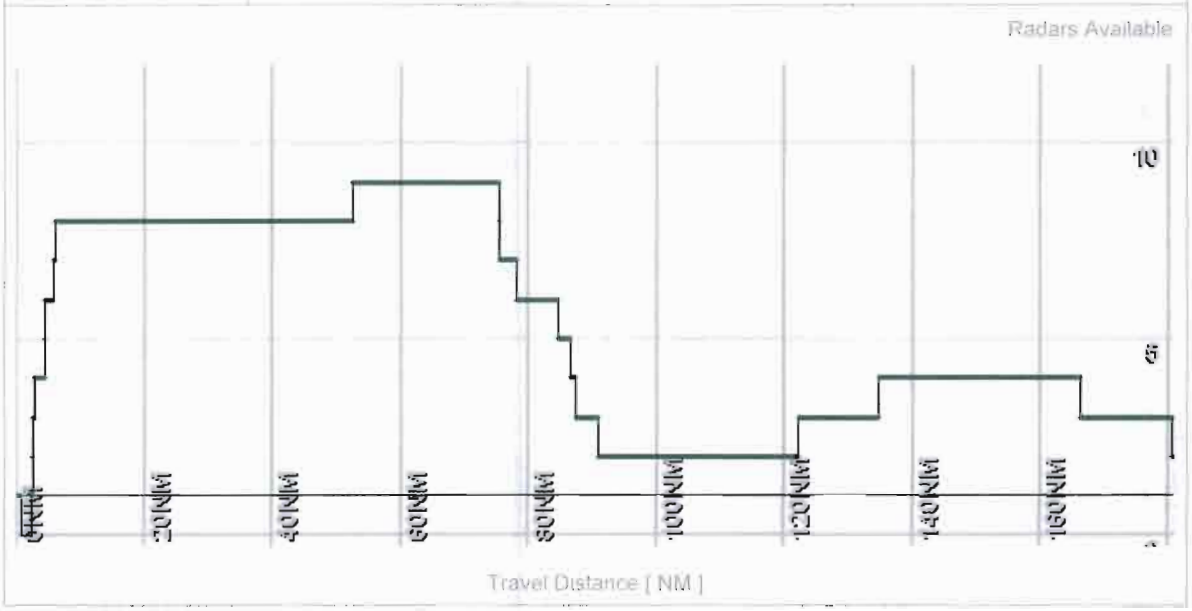
User DMEs (Continued.)

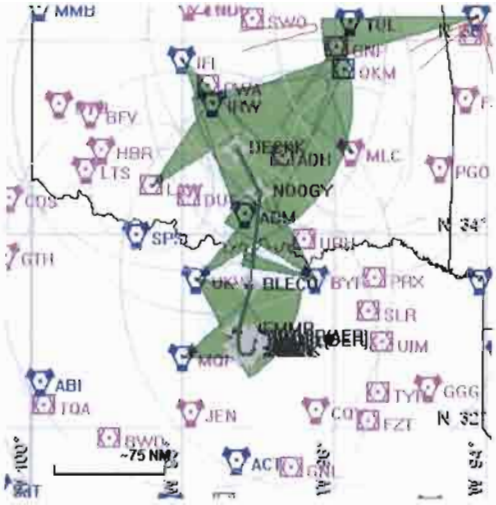
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Used
		ESV: Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.		
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
		ESV: Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.		
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.		
		Restriction: Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°			Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.		
		ESV: Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°			Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.		
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
		ESV: Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°			Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.		
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
		Restriction: Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		Restriction: Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.		
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Used
		ESV: Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°			Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	12/6/2011 10:28:06 AM
Input File:	BLECO RW18R DECKK 20...
Databases:	AVNIS Date: 08/26/2011 NFD Date: 07/02/2009 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	**Please Check Flyability Results**
DME/DME	✓	
Radars	✓	
Comms	?	
TERPS	?	

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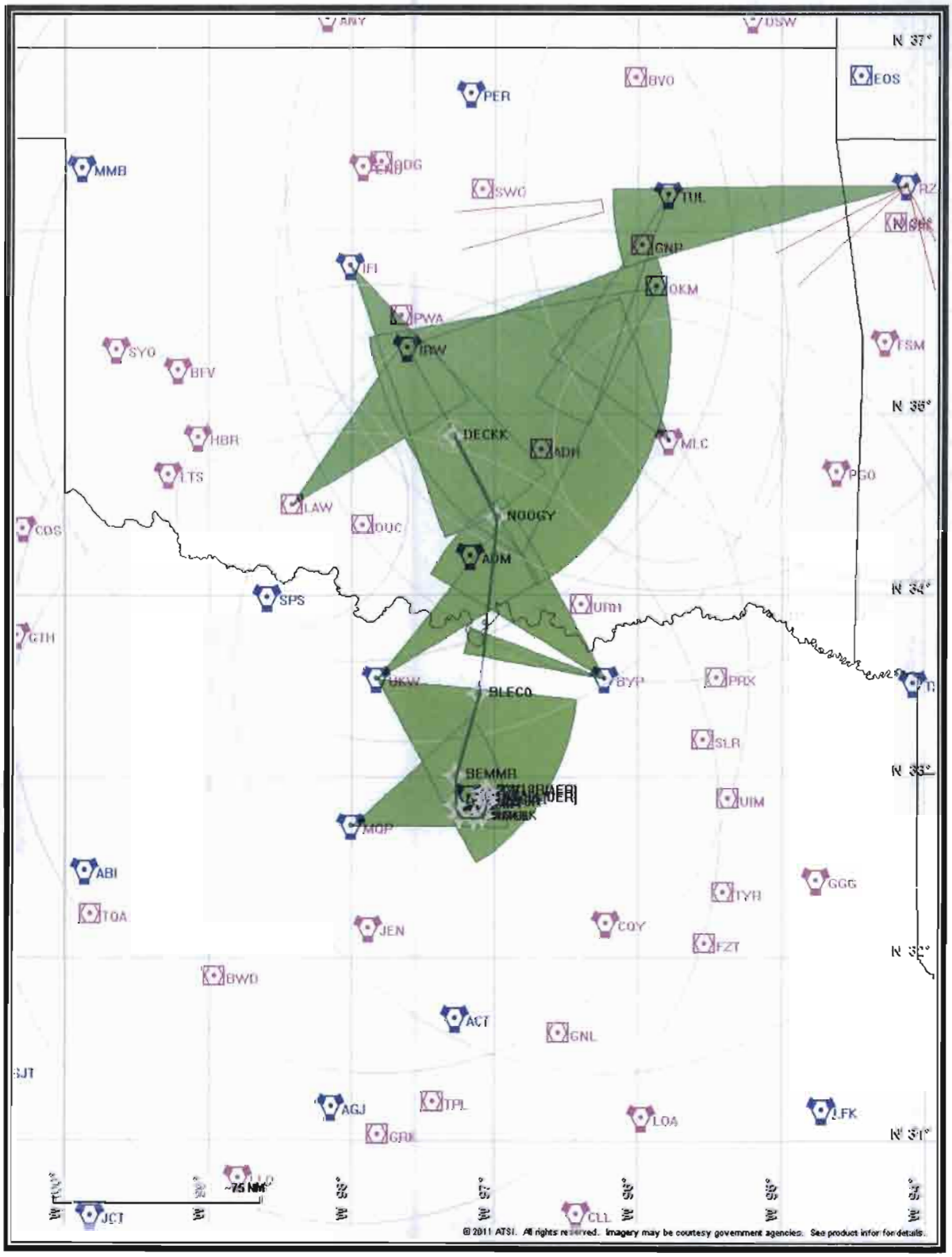
ANY
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ADH
MLC
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SPS
UIM
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JEN
COY
FZT
N 32°
BWD
ACT
GNL
SJT
AGJ
TPL
LOA
LFK
GDF
N 31°
~75 NM
JCT
CLL
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW18R(...	WP	N 32° 54' 56.93" W 97° 3' 16.71"	606.7	VNAV	0.0	Fly By	TF
RW36L(...	WP	N 32° 52' 44.35" W 97° 3' 17.40"	617.2	VNAV	130.0	Fly Over	VI
GH18R	WP	N 32° 51' 7.29" W 97° 3' 17.90"	1107.0	VNAV	145.0	Fly By	CF - 194.0°
BPARK	WP	N 32° 46' 31.76" W 97° 4' 51.51"	2060.7	VNAV	180.0	Fly By	TF
YAMEL	WP	N 32° 45' 55.70" W 97° 8' 28.05"	5000.0	VNAV	240.0	Fly By	TF
FIRMN	WP	N 32° 46' 17.77" W 97° 14' 28.77"	6016.5	VNAV	180.0	Fly By	TF
BINGM	WP	N 32° 50' 27.25" W 97° 16' 27.44"	6910.9	VNAV	180.0	Fly By	TF
BEMMR	WP	N 33° 0' 6.19" W 97° 16' 13.39"	8837.4	VNAV	180.0	Fly By	TF
BLECO	WP	N 33° 27' 2.70" W 97° 6' 32.59"	9000.0	VNAV	180.0	Fly By	TF
NOOGY	WP	N 34° 25' 39.22" W 96° 59' 3.44"	18000.0	VNAV	240.0	Fly By	TF
DECKK	WP	N 34° 52' 22.12" W 97° 16' 51.92"	18000.0	VNAV	240.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KDFW
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -15.38 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

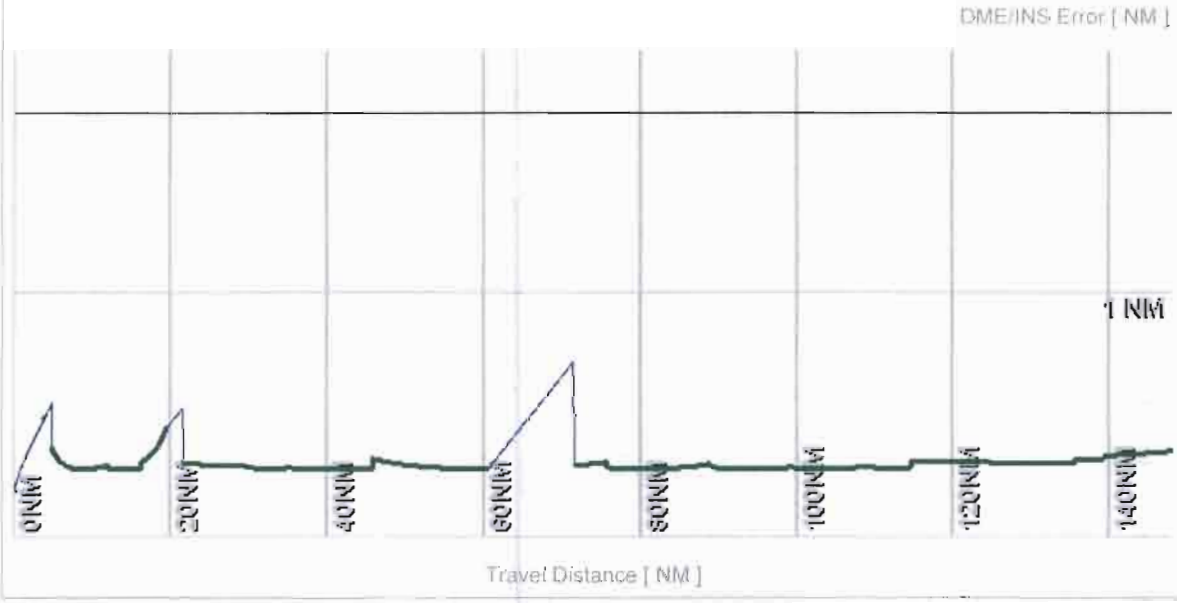
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1008 Ft.

Total Number of DMEs Used: 12

Maximum DME Error: 0.717 NM.

No Critical DMEs were found.

Available DMEs: FUZ, CVE, TTT, UKW, MQP, ADM, BYP, URH, SPS, IRW, OKM, IFI



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27"	H	Database	NO	0.717	Enabled	12.9 %	8.8 %
2	FUZ	N 32° 53' 22.02" W 97° 10' 45.93"	H	Database	NO	1.021	Enabled	24.8 %	20.9 %
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H + ESV	User	NO	1.310	Enabled	30.1 %	30.8 %
4	TTT	N 32° 52' 8.98" W 97° 2' 25.81"	H	Database	NO	0.717	Enabled	6.4 %	6.1 %
5	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H + ESV	User	NO	0.717	Enabled	19.0 %	18.5 %
6	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H + ESV	User	NO	0.859	Enabled	14.4 %	17.2 %
7	ADM	N 34° 12' 41.71" W 97° 10' 5.62"	H	Database	NO	0.859	Enabled	20.5 %	23.7 %
8	URH	N 33° 56' 39.07" W 96° 23' 30.61"	L	Database	NO	0.717	Enabled	7.7 %	9.0 %
9	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H + ESV	User	NO	0.717	Enabled	12.8 %	15.9 %
10	SPS	N 33° 59' 14.23" W 98° 35' 36.50"	H	Database	NO	0.717	Enabled	16.8 %	21.0 %
11	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H + ESV	User	NO	0.717	Enabled	1.9 %	2.4 %
12	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H + ESV	User	NO	0.717	Enabled	1.2 %	1.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.2	FUZ					
3.7	FUZ	CVE	TTT			
8.2	FUZ	CVE	TTT			
11.5	FUZ	CVE	TTT	UKW	MQP	
15.7	FUZ	CVE	TTT	UKW	MQP	
20.5	FUZ	CVE	TTT	UKW	MQP	
30.1	FUZ	CVE	TTT	UKW	MQP	
58.3	FUZ	CVE	TTT	UKW	ADM	
68.4	BYP	CVE	URH	UKW	ADM	TTT
98.6	BYP	SPS	IRW	UKW	ADM	FUZ

DME/DME (Continued.)

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Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
116.6	IFI	SPS	IRW	UKW	ADM	BYP
137.8	IFI	SPS	OKM	UKW	BYP	IRW

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 32° 54' 56.93" W 97° 3' 16.71"	N 32° 51' 17.19" W 97° 3' 17.85"	3.7
	VOR: CVE	Available from N 32° 54' 56.93" W 97° 3' 16.71" to N 32° 51' 17.19" W 97° 3' 17.85"	
	VOR: FUZ	Available from N 32° 54' 56.93" W 97° 3' 16.71" to N 32° 51' 17.19" W 97° 3' 17.85"	
	VOR: TTT	Available from N 32° 54' 56.93" W 97° 3' 16.71" to N 32° 51' 17.19" W 97° 3' 17.85"	
2	N 32° 51' 9.18" W 97° 3' 18.10"	N 32° 50' 13.02" W 97° 3' 35.44"	1.0
	VOR: CVE	Available from N 32° 51' 9.18" W 97° 3' 18.10" to N 32° 50' 13.02" W 97° 3' 35.44"	
	VOR: FUZ	Available from N 32° 51' 9.18" W 97° 3' 18.10" to N 32° 50' 13.02" W 97° 3' 35.44"	
	VOR: TTT	Available from N 32° 51' 9.18" W 97° 3' 18.10" to N 32° 50' 13.02" W 97° 3' 35.44"	
3	N 32° 48' 56.00" W 97° 15' 44.32"	N 32° 51' 0.00" W 97° 16' 26.81"	2.2
	VOR: CVE	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
	VOR: FUZ	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
	VOR: MQP	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	
	VOR: TTT	Available from N 32° 48' 56.00" W 97° 15' 44.32" to N 32° 51' 0.00" W 97° 16' 26.81"	

DME/DME (Continued.)

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Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
4	N 33° 28' 55.24" W 97° 6' 17.60"	N 33° 39' 46.19" W 97° 4' 55.64"	10.9
	VOR: CVE	Available from N 33° 28' 55.24" W 97° 6' 17.60" to N 33° 32' 14.52" W 97° 5' 52.59"	
	VOR: FUZ	Available from N 33° 28' 55.24" W 97° 6' 17.60" to N 33° 33' 10.98" W 97° 5' 45.49"	
	VOR: TTT	Available from N 33° 28' 55.24" W 97° 6' 17.60" to N 33° 32' 4.56" W 97° 5' 53.85"	
	VOR: UKW	Available from N 33° 28' 55.24" W 97° 6' 17.60" to N 33° 39' 46.19" W 97° 4' 55.64"	
	VOR: ADM	Available from N 33° 32' 47.73" W 97° 5' 48.42" to N 33° 39' 46.19" W 97° 4' 55.64"	
	VOR: URH	Available from N 33° 36' 56.81" W 97° 5' 17.04" to N 33° 39' 46.19" W 97° 4' 55.64"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IFI	N 35° 48' 18.96" W 98° 0' 14.10"	H	1112.0	114.70	IFI	Used
		ESV: Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 126.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 9000.0 to 14500.0 Ft.			
2	OKM	N 35° 41' 35.20" W 95° 51' 57.50"	H	766.0	114.90	OKM	Used
		ESV: Bearing [True]: 208.0° to 261.0° Bearing [Mag]: 200.0° to 253.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 14500.0 Ft.			
3	UKW	N 33° 32' 9.19" W 97° 49' 16.60"	H	1100.0	112.40	UKW	Used
		ESV: Bearing [True]: 95.0° to 150.0° Bearing [Mag]: 89.0° to 144.0°		Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 15000.0 Ft.			
		ESV: Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 34.0° to 54.0°		Arc Distance: Out to 65.0 NM Altitude: 9000.0 to 16000.0 Ft.			
4	BYP	N 33° 32' 14.95" W 96° 14' 2.74"	H	700.0	114.60	BYP	Used
		ESV: Bearing [True]: 300.0° to 330.0° Bearing [Mag]: 294.0° to 324.0°		Arc Distance: Out to 70.0 NM Altitude: 9000.0 to 15000.0 Ft.			
		ESV: Bearing [True]: 280.0° to 290.0° Bearing [Mag]: 274.0° to 284.0°		Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 15000.0 Ft.			

DME/DME (Continued.)

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User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	LAW	N 34° 29' 46.28" W 98° 24' 47.09"	L	1100.0	109.40	LAW	Not Used
	ESV:	Bearing [True]: 35.0° to 60.0° Bearing [Mag]: 26.0° to 51.0°		Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 16000.0 Ft.			
6	IRW	N 35° 21' 30.95" W 97° 36' 33.22"	H	1230.0	114.10	IRW	Used
	ESV:	Bearing [True]: 70.0° to 150.0° Bearing [Mag]: 63.0° to 143.0°		Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14500.0 Ft.			
7	TUL	N 36° 11' 46.54" W 95° 47' 17.19"	H	770.4	114.40	TUL	Not Used
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3100.0 Ft.			
	Restriction:	Bearing [True]: 256.0° to 266.0° Bearing [Mag]: 248.0° to 258.0°		Distance: Beyond 23.0 NM Altitude: Below 3500.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 215.0° Bearing [Mag]: 192.0° to 207.0°		Arc Distance: Out to 80.0 NM Altitude: 12000.0 to 14500.0 Ft.			
8	MLC	N 34° 50' 58.05" W 95° 46' 56.26"	L	820.0	112.00	MLC	Not Used
	ESV:	Bearing [True]: 305.0° to 340.0° Bearing [Mag]: 297.0° to 332.0°		Arc Distance: Out to 50.0 NM Altitude: 12000.0 to 15000.0 Ft.			
9	RZC	N 36° 14' 47.13" W 94° 7' 17.00"	H	1330.5	116.40	RZC	Not Used
	Restriction:	Bearing [True]: 152.0° to 164.0° Bearing [Mag]: 148.0° to 160.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	Restriction:	Bearing [True]: 229.0° to 244.0° Bearing [Mag]: 225.0° to 240.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 255.0° to 270.0° Bearing [Mag]: 251.0° to 266.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 16000.0 Ft.			
10	MQP	N 32° 43' 34.25" W 97° 59' 50.79"	H	900.0	117.70	MQP	Used
	ESV:	Bearing [True]: 49.0° to 90.0° Bearing [Mag]: 40.0° to 81.0°		Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 15000.0 Ft.			

Radar Analysis

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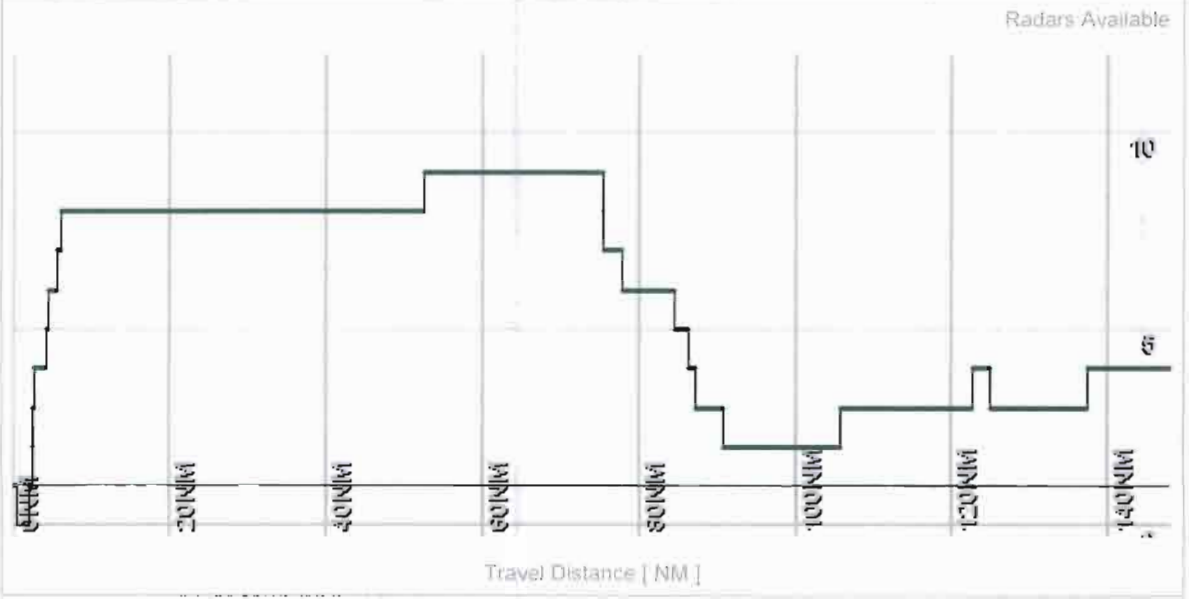
Settings: **Radar Types:** ARSR and ASR