Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: STAR	Date Open: 11/08/2010	Task #: 2010110825948101005	Request #: 20101108259481
Procedure: STAR SNDIA (RNAV) ONE ALBUQUERQUE NM KABQ		Airport ID: KABQ	Airport: ALBUQUERQUE INTL SUNPORT		Reimbursable #:
City: ALBUQUERQUE	ST: NM	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID:	Fac. Type: Proc D	Specialist: STEPHEN PETERSON			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	05/07/2012	09/13/2012	JILL OLSON	
QA:	09/13/2012	09/13/2012	SCOTT BEARD	
Liaison:	09/13/2012		Spurlin	REPLACEMENT 9/13/12 - DME/DME

DME / DME

ESV REQUEST INCLUDE

pg 5 of 5

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

ALBUQUERQUE, NM ALBUQUERQUE INTL SUNPORT (KABQ) SNDIA ONE (RNAV) (STAR) ENROUTE-YES FC: 11.13.12 PUB: 1.10.13

ATTACHED FORMS: ESV REPORTS; 7100-4; 7100-3; 8260-2(S): ASIDE, ORIG; CADAT, REV 2; CRSTN, REV 1; DATME, ORIG; DETEC, ORIG; EBIDE, ORIG; ESPAN-INT, REV 4; FITEE, ORIG; SNDIA, ORIG; TAMEY, ORIG; VLCNO, ORIG.

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

(SNDIA.SNDIA1) FIG

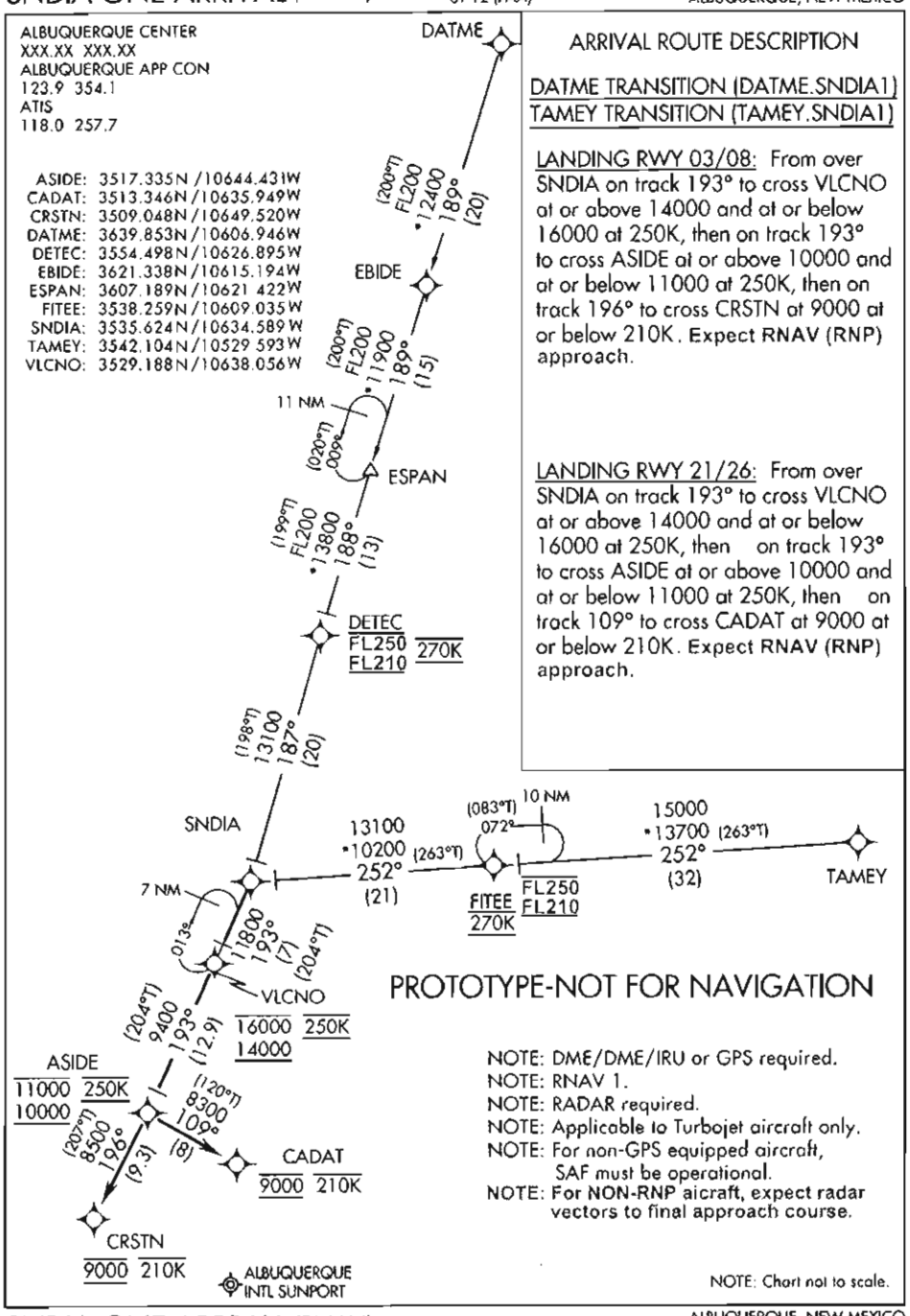
SNDIA ONE ARRIVAL (RNAV)

ALBUQUERQUE INTL SUNPORT (ABQ)
ALBUQUERQUE, NEW MEXICO

ST-12 (FAA)

ALBUQUERQUE CENTER
XXX.XX XXX.XX
ALBUQUERQUE APP CON
123.9 354.1
ATIS
118.0 257.7

ASIDE: 3517.335N/10644.431W
CADAT: 3513.346N/10635.949W
CRSTN: 3509.048N/10649.520W
DATME: 3639.853N/10606.946W
DETEC: 3554.498N/10626.895W
EBIDE: 3621.338N/10615.194W
ESPAN: 3607.189N/10621.422W
FITEE: 3538.259N/10609.035W
SNDIA: 3535.624N/10634.589W
TAMEY: 3542.104N/10529.593W
VLCNO: 3529.188N/10638.056W



ARRIVAL ROUTE DESCRIPTION

DATME TRANSITION (DATME.SNDIA1)
TAMEY TRANSITION (TAMEY.SNDIA1)

LANDING RWY 03/08: From over SNDIA on track 193° to cross VLCNO at or above 14000 and at or below 16000 at 250K, then on track 193° to cross ASIDE at or above 10000 and at or below 11000 at 250K, then on track 196° to cross CRSTN at 9000 at or below 210K. Expect RNAV (RNP) approach.

LANDING RWY 21/26: From over SNDIA on track 193° to cross VLCNO at or above 14000 and at or below 16000 at 250K, then on track 193° to cross ASIDE at or above 10000 and at or below 11000 at 250K, then on track 109° to cross CADAT at 9000 at or below 210K. Expect RNAV (RNP) approach.

PROTOTYPE-NOT FOR NAVIGATION

NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: RADAR required.
NOTE: Applicable to Turbojet aircraft only.
NOTE: For non-GPS equipped aircraft, SAF must be operational.
NOTE: For NON-RNP aicraft, expect radar vectors to final approach course.

NOTE: Chart not to scale.

SNDIA ONE ARRIVAL (RNAV)
(SNDIA.SNDIA1) FIG
ALBUQUERQUE, NEW MEXICO
ALBUQUERQUE INTL SUNPORT (ABQ)

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ANTON CHICO	City : ANTON CHICO	Ident : ACH	State : NM
Type/Class : TACR	Frequency : M1212	Reference No.: 11065650	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 870325-011	273	288	86	125	210

Requirement: ESTABLISH AN ESV FOR THE RNAV STAR SNDIA INTO ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/23/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-011	273	288	86	125	210	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV STAR SNDIA INTO ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 06/27/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-011	273	288	86	125	210	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV STAR SNDIA INTO ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/28/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-011	273	288				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ANTON CHICO	City : ANTON CHICO	Ident : ACH	State : NM
Type/Class : TACR	Frequency : M1212	Reference No.: 12042182	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 870325-034	279	320	74	131	200

Requirement: REQUIRED FOR NEW SNDIA1 STAR TO ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 04/27/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-034	279	320	74	131	200	APPROVE

Requirement/Remarks: REQUIRED FOR NEW SNDIA1 STAR TO ABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 05/02/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-034	279	320	74	131	200	APPROVE

Requirement/Remarks: REQUIRED FOR NEW SNDIA1 STAR TO ABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 05/02/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-034	279	320				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ALAMOSA	City : ALAMOSA	Ident : ALS	State : CO
Type/Class : TACR	Frequency : M1173	Reference No.: 12041963	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704153-007	180	193	79	199	240

Requirement: REQUIRED FOR NEW SNDIA1 STAR FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 04/20/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704153-007	180	193	79	199	240	APPROVE

Requirement/Remarks: REQUIRED FOR NEW SNDIA1 STAR FOR ABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: ORear Daniel	Routing Symbol:	Date: 04/20/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704153-007	180	193	79	199	240	APPROVE

Requirement/Remarks: REQUIRED FOR NEW SNDIA1 STAR FOR ABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 04/24/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704153-007	180	193				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : DURANGO	City : DURANGO	Ident : DRO	State : CO
Type/Class : DME	Frequency : M980	Reference No.: 12041964	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 831212-003	96	106	89	200	260

Requirement: REQUIRED FOR NEW SNDIA1 STAR FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 04/20/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 831212-003	96	106	89	200	260	APPROVE

Requirement/Remarks: REQUIRED FOR NEW SNDIA1 STAR FOR ABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: ORear Daniel	Routing Symbol:	Date: 04/23/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 831212-003	96	106	89	200	260	APPROVE

Requirement/Remarks: REQUIRED FOR NEW SNDIA1 STAR FOR ABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 04/24/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 831212-003	96	106				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ONM	City : SOCORRO	Ident : ONM	State : NM
Type/Class : TACR	Frequency : M1202	Reference No.: 11065649	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698219-031	350	5	86	120	210

Requirement: ESTABLISH AN ESV FOR THE RNAV STAR SNDIA INTO ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/23/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-031	350	5	86	120	210	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV STAR SNDIA INTO ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 06/24/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-031	350	5	86	120	210	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV STAR SNDIA INTO ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/27/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-031	350	5				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : RATTLESNAKE	City : FARMINGTON	Ident : RSK	State : NM
Type/Class : TACR	Frequency : M1187	Reference No.: 12041962	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704205-024	76	108	100	199	220

Requirement: REQUIRED FOR NEW SNDIA1 RNAV STAR FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 04/20/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704205-024	76	108	100	199	220	APPROVE

Requirement/Remarks: REQUIRED FOR NEW SNDIA1 RNAV STAR FOR ABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 04/20/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704205-024	76	108	100	199	220	APPROVE

Requirement/Remarks: REQUIRED FOR NEW SNDIA1 RNAV STAR FOR ABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 04/24/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704205-024	76	108				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : TAOS	City : TAOS	Ident : TAS	State : NM
Type/Class : TACR	Frequency : M1210	Reference No.: 12042183	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 694308-004	150	195	65	131	260

Requirement: REQUIRED FOR NEW SNDIA1 STAR TO ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 04/27/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694308-004	150	195	65	131	260	APPROVE

Requirement/Remarks: REQUIRED FOR NEW SNDIA1 STAR TO ABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 05/02/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694308-004	150	195	65	131	260	APPROVE

Requirement/Remarks: REQUIRED FOR NEW SNDIA1 STAR TO ABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 05/02/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694308-004	150	195				

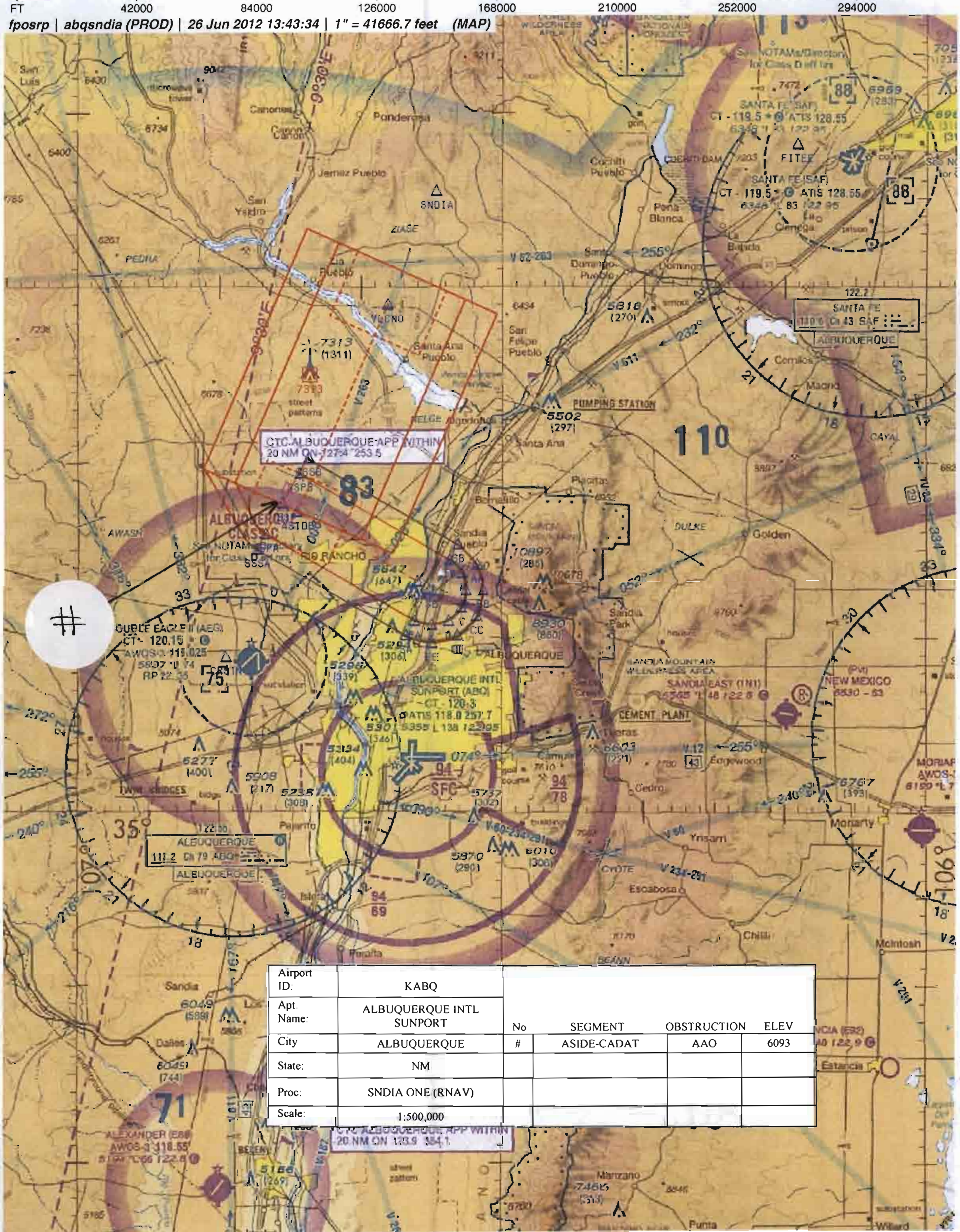
Requirement/Remarks:

Signature:	Routing Symbol:	Date:

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fposrp | abqsndia (PROD) | 26 Jun 2012 13:43:34 | 1" = 41666.7 feet (MAP)



Airport ID:	KABQ
Apt. Name:	ALBUQUERQUE INTL SUNPORT
City	ALBUQUERQUE
State:	NM
Proc:	SNDIA ONE (RNAV)
Scale:	1:500,000

No	SEGMENT	OBSTRUCTION	ELEV
#	ASIDE-CADAT	AAO	6093

US Department of Transportation
Federal Aviation Administration

STAR - Standard Terminal Arrival

1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

(1) Transition Routes

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP / FIX / NAVAID	(d) To RNAV WP / FIX / NAVAID	(e) Mag Course / Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
DATME	DATME.SNDIA1	DATME	EBIDE	188.82/19.65	FL200	12400		
			ESPAN	188.66/15.00	FL200	11900		
			DETEC	188.33/13.43	FL200	13800		+FL210/-FL250
			SNDIA	187.42/19.86	13100			
TAMEY	TAMEY.SNDIA1	TAMEY	FITEE	252.38/32.37	15000	13700		+FL210/-FL250
			SNDIA	251.93/21.00	13100	10200		

(2) Arrival Route Description: LANDING RWYS 3/8: FROM OVER SNDIA ON TRACK 192.78/07.02 TO CROSS VLCNO AT OR ABOVE 14000 AND AT OR BELOW 16000 AT 250 KTS (MEA 11800), THEN ON TRACK 192.80/12.93 TO CROSS ASIDE AT OR ABOVE 10000 AND AT OR BELOW 11000 AT 250 KTS (MEA 9400), THEN ON TRACK 195.77/09.27 TO CROSS CRSTN AT 9000 AT 210KTS (MEA 8500). EXPECT RNAV (RNP) APPROACH.
LANDING RWYS 21/26: FROM OVER SNDIA ON TRACK 192.78/07.02 TO CROSS VLCNO AT OR ABOVE 14000 AND AT OR BELOW 16000 AT 250 KTS (MEA 11800), THEN ON TRACK 192.80/12.93 TO CROSS ASIDE AT OR ABOVE 10000 AND AT OR BELOW 11000 AT 250 KTS (MEA 9400), THEN ON TRACK 108.79/08.01 TO CROSS CADAT AT 9000 AT OR BELOW 210 KTS (MEA 8300). EXPECT RNAV (RNP) APROACH.

(3) Procedural Data Notes: CROSS DETEC AT 270 KTS. CROSS FITEE AT 270 KTS.
NOTE: DME/DME/IRU OR GPS REQUIRED.
NOTE: RNAV 1.
NOTE: RADAR REQUIRED.
NOTE: CHART NOT TO SCALE.
NOTE: APPLICABLE FOR TURBOJET AIRCRAFT ONLY.
NOTE: FOR NON-GPS EQUIPPED AIRCRAFT, SAF MUST BE OPERATIONAL.
NOTE: NON-RNP AIRCRAFT, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

(4) Fixes and/or Holding Patterns: CHART HOLDING VLCNO: HOLD N, RT, 192.78 INBOUND, 7 NM LEGS.
CHART HOLDING ESPAN: HOLD N, RT, 188.66 INBOUND, 11 NM LEGS.
CHART HOLDING FITEE: HOLD E, RT, 252.38 INBOUND, 10 NM LEGS.

(5) Communications: ABQ ARTCC, ABQ APP CON, ABQ ATIS

QUALITY CHECKED 1

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
SNDIA RNAV	ONE	SNDIA.SNDIA1	NONE		

FAA Form 7100-4 (7/02)

(12) Airports Served

Airport Name ALBUQUERQUE INTL SUNPORT	**City/State** ALBUQUERQUE, NM
Airport Name	**City/State**
Airport Name	**City/State**
Airport Name	**City/State**
Airport Name	**City/State**
Airport Name	**City/State**

(13) Lost Communications Procedure: STANDARD.

(14) Remarks: REFERENCE MAG VAR = KABQ 11E/95

(15) Additional Flight Data: (DO NOT CHART) DME/DME ASSESSMENT: SAT (RNP 2.0)

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
SNDIA RNAV	ONE	SNDIA.SNDIA1	NONE		

(16) Continuation:

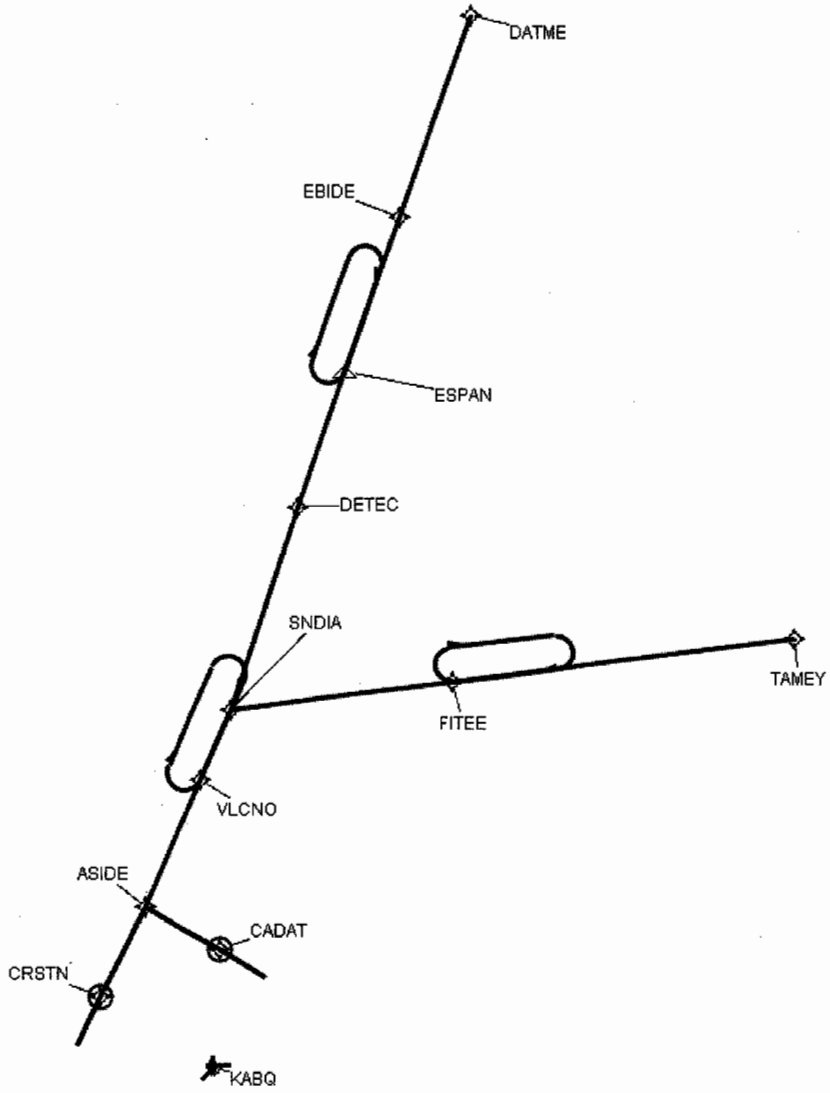
(17) Changes:

(18) Reasons for Changes:
8/29/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/5/2012.
1. CHANGED ALL RWY TRANSITIONS FROM EXPECTING RADAR VECTORS TO EXPECTING RNAV (RNP) APPROACH.
2. REMOVED "LANDING RWY" NOTES AND REPLACED WITH "NON-RNP AIRCRAFT" NOTE.

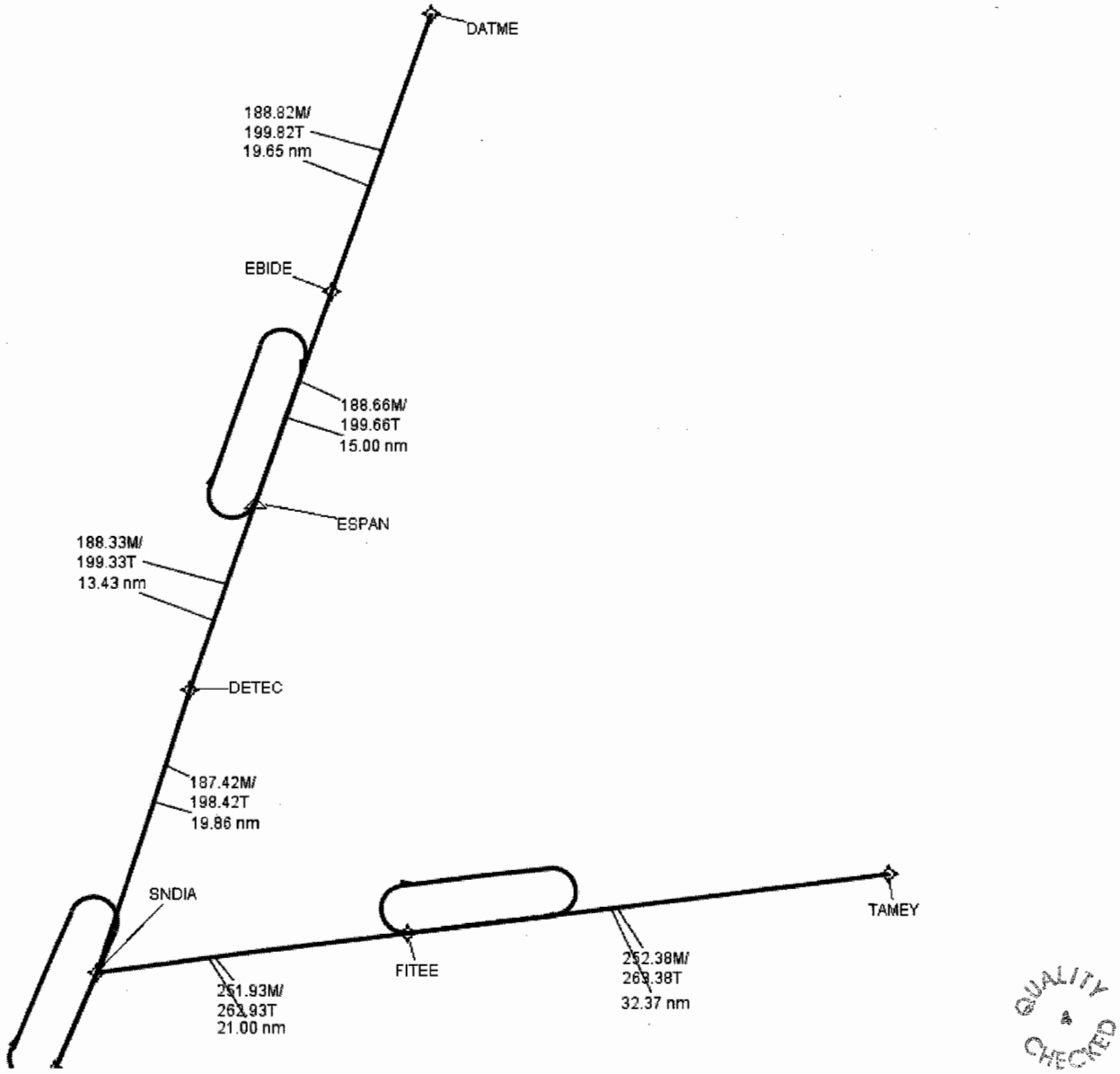
	Name (Typed and Signed), Title and Organization		DATE
Developed By	Leoni Sanmigual, Manager Airspace Procedures, Albuquerque ARTCC		
Approved	NFPG		
	Reg. ATD		

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
SNDIA RNAV	ONE	SNDIA.SNDIA1	NONE		

(19) Graphic Depiction (1 of 13)

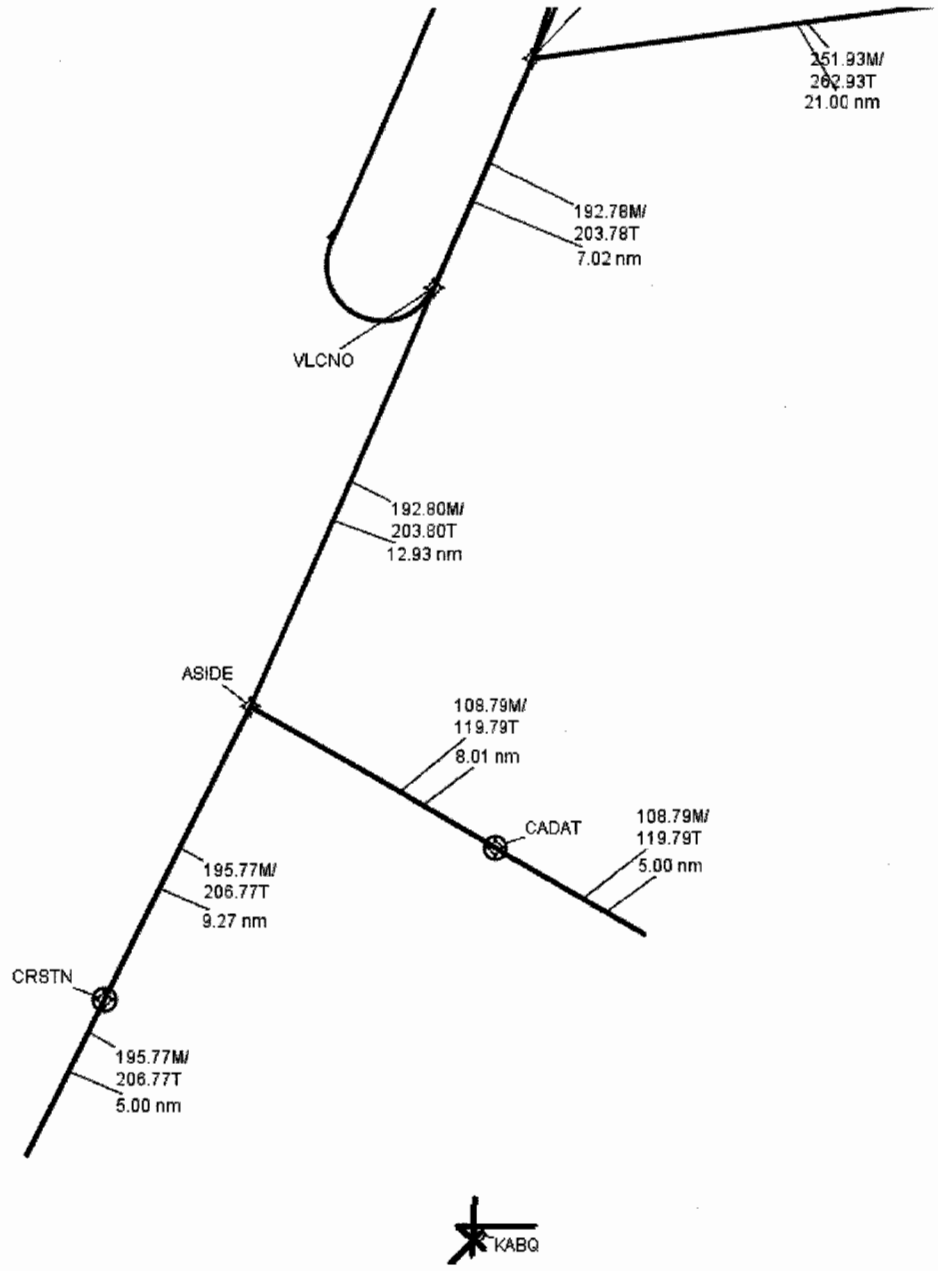


(19) Graphic Depiction (2 of 13)



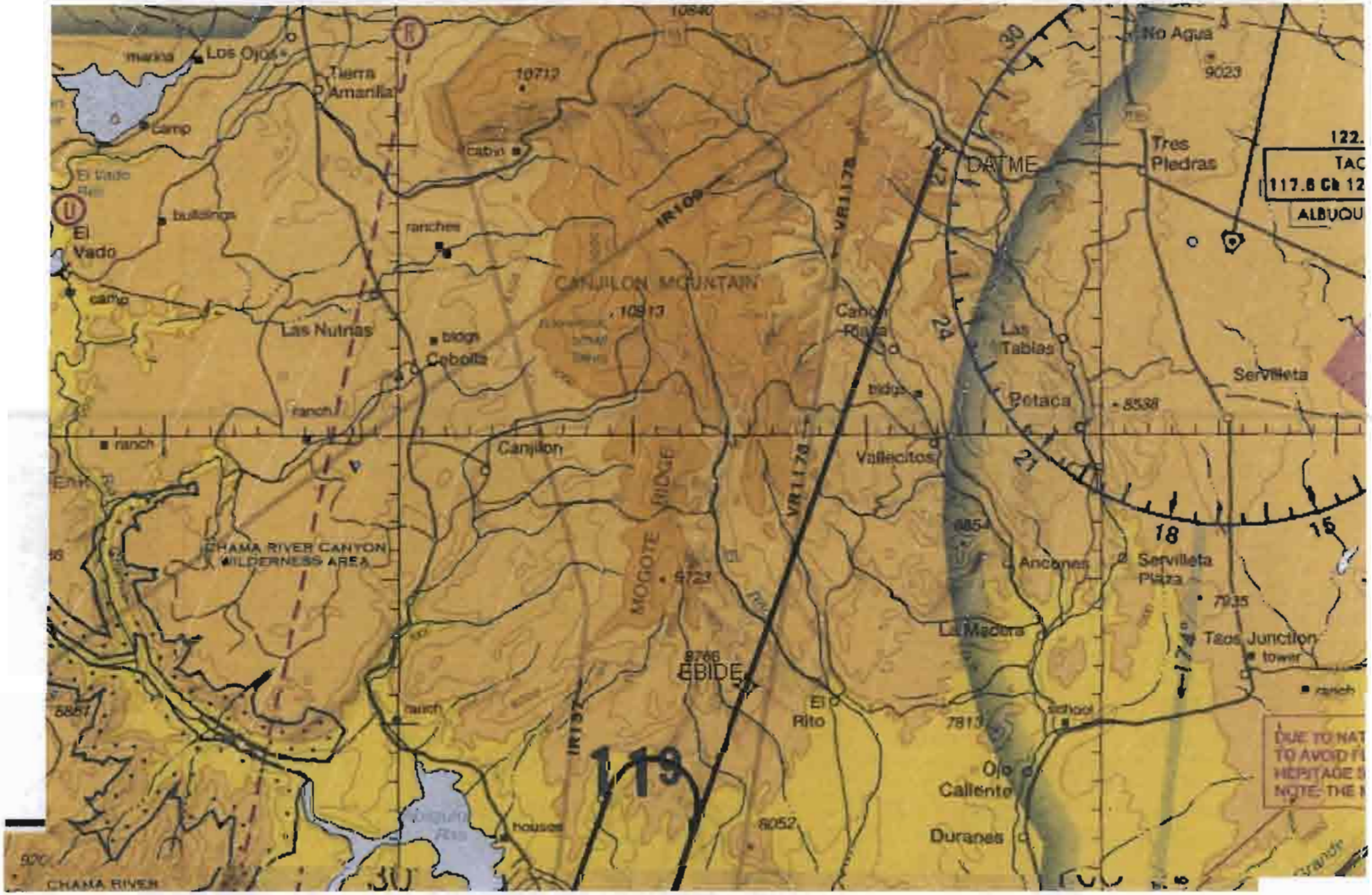
QUALITY CHECKED

(19) Graphic Depiction (3 of 13)



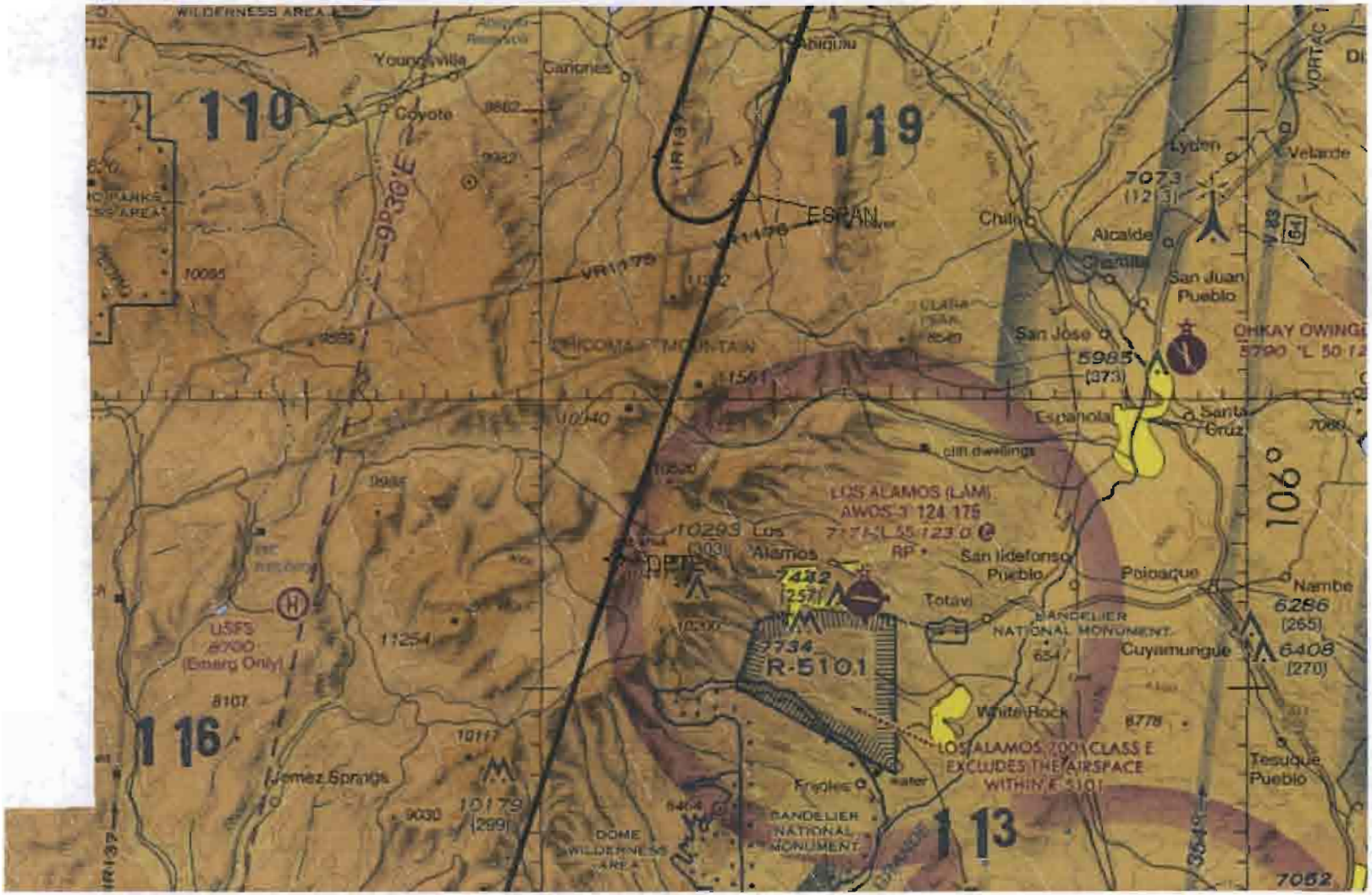
QUALITY & CHECKED

(19) Graphic Depiction (4 of 13)



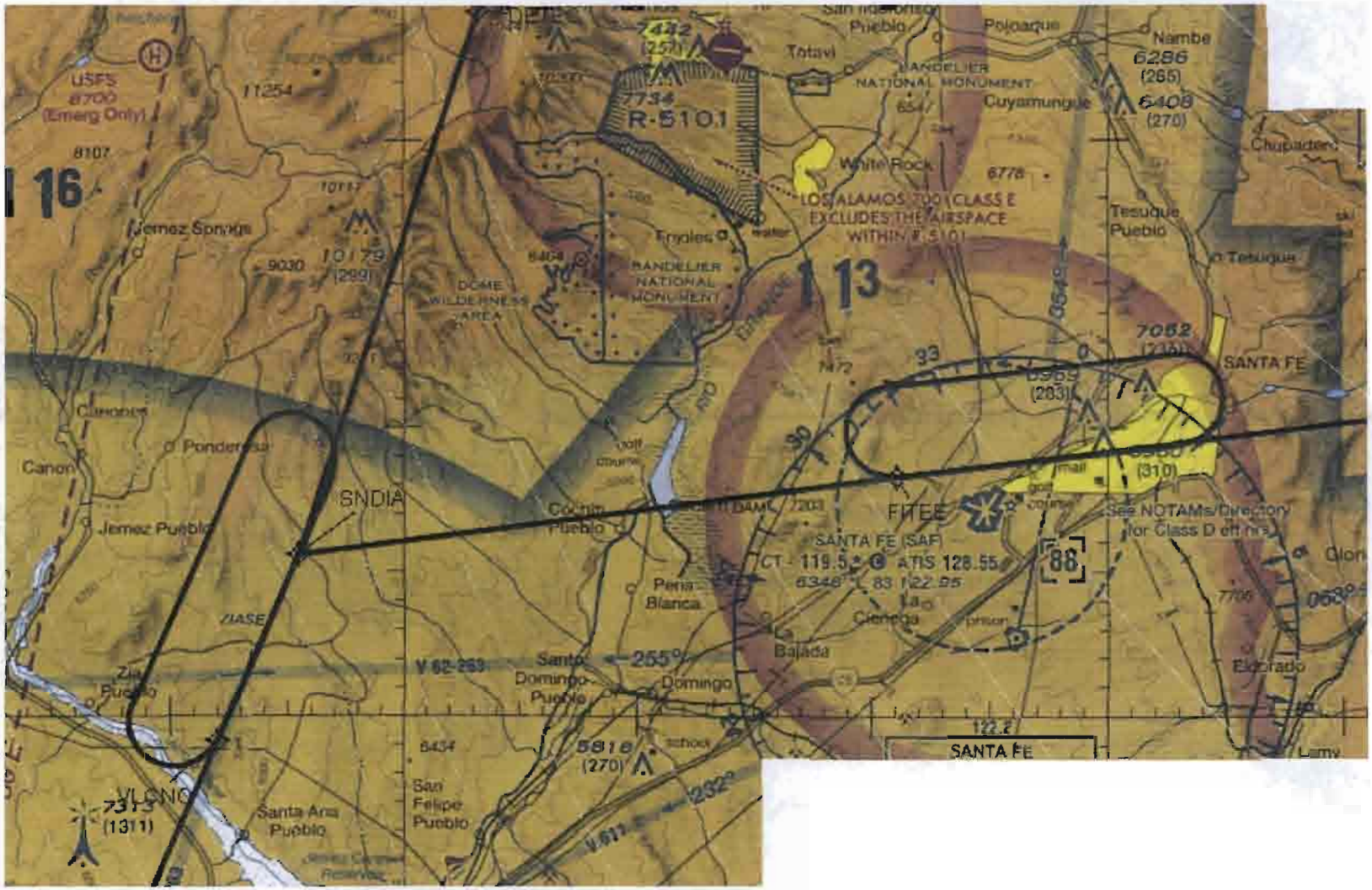
QUALITY CHECKED

(19) Graphic Depiction (5 of 13)



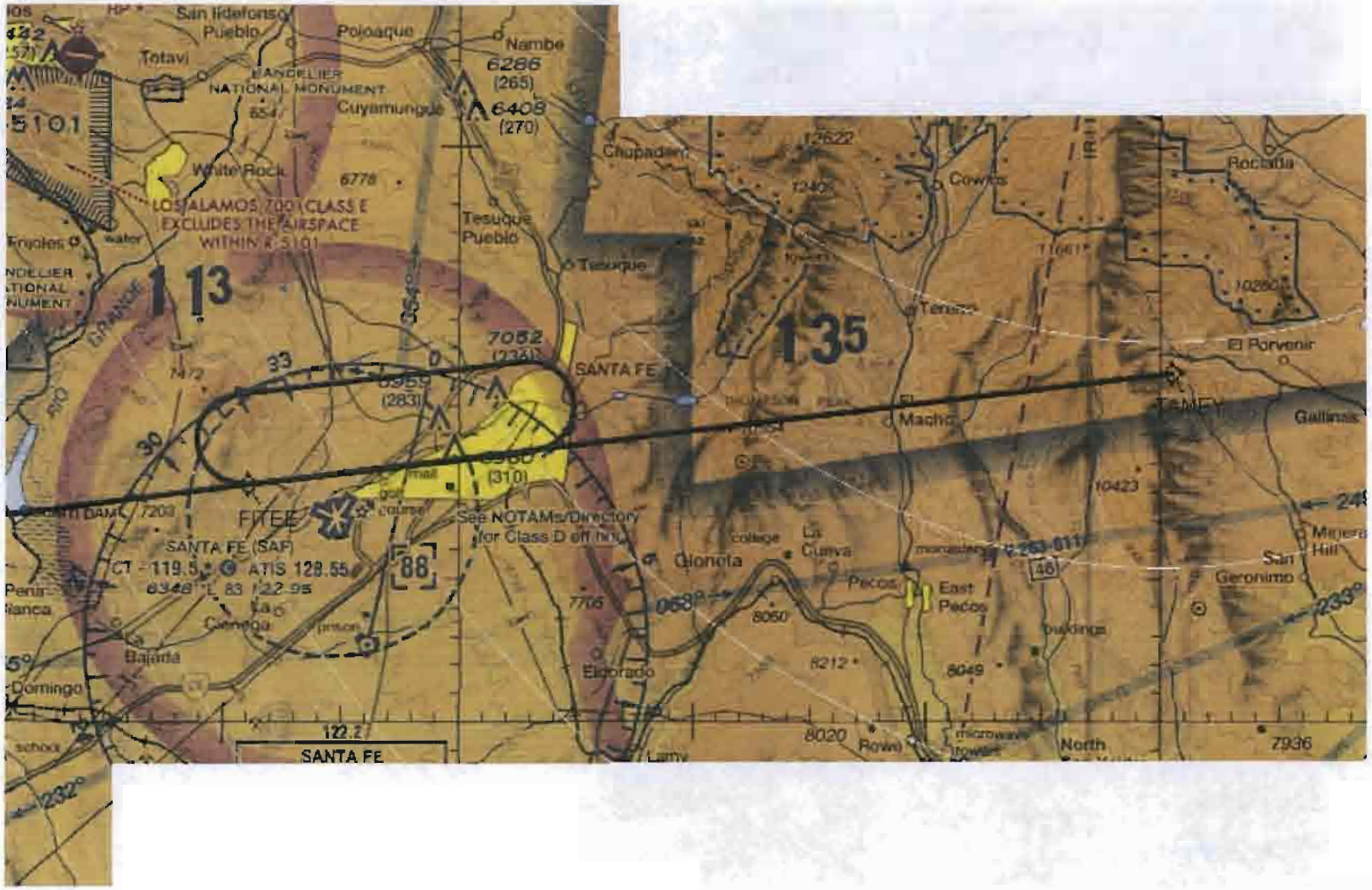
QUALITY CHECKED

(19) Graphic Depiction (6 of 13)



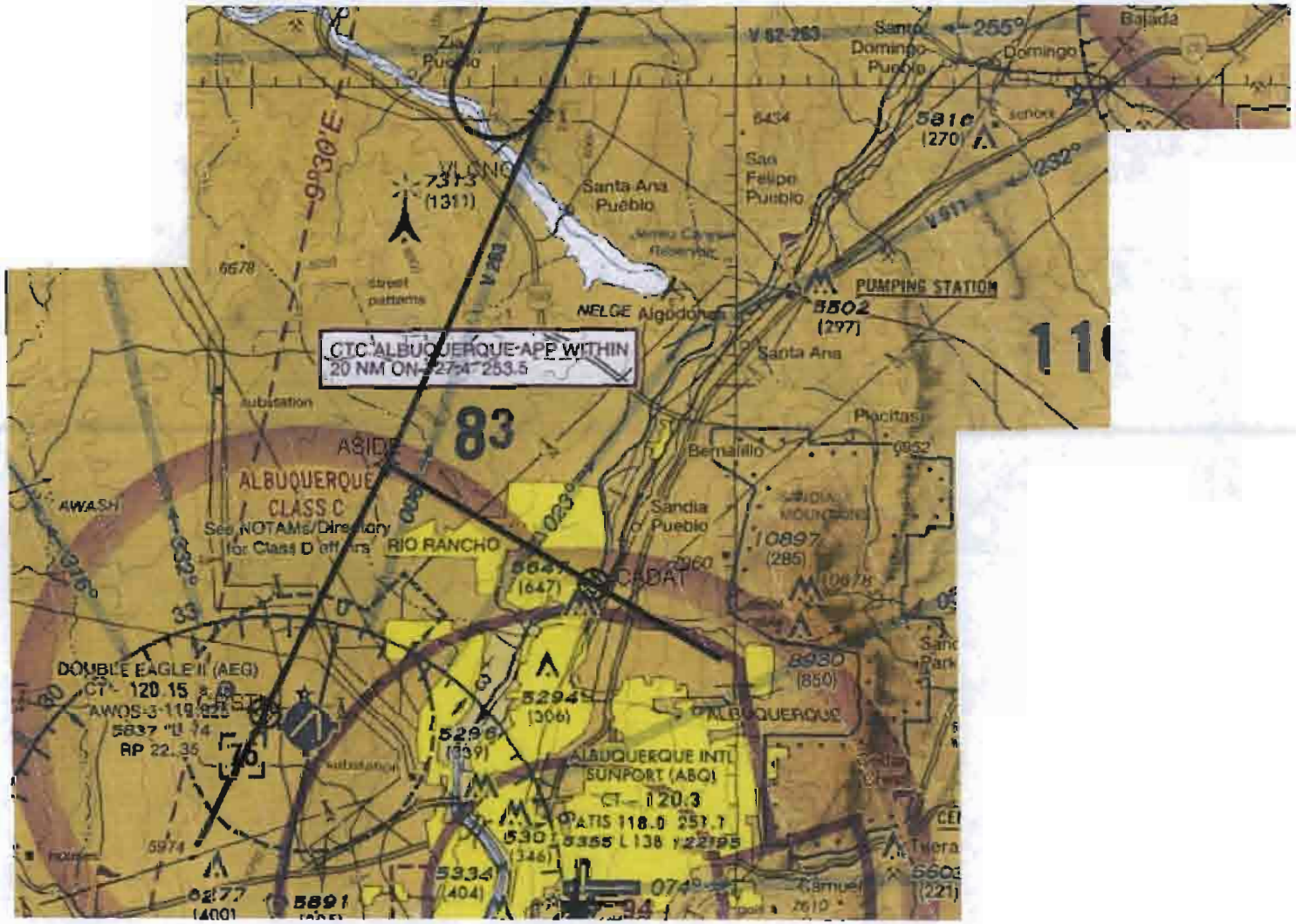
QUALITY CHECKED

(19) Graphic Depiction (7 of 13)



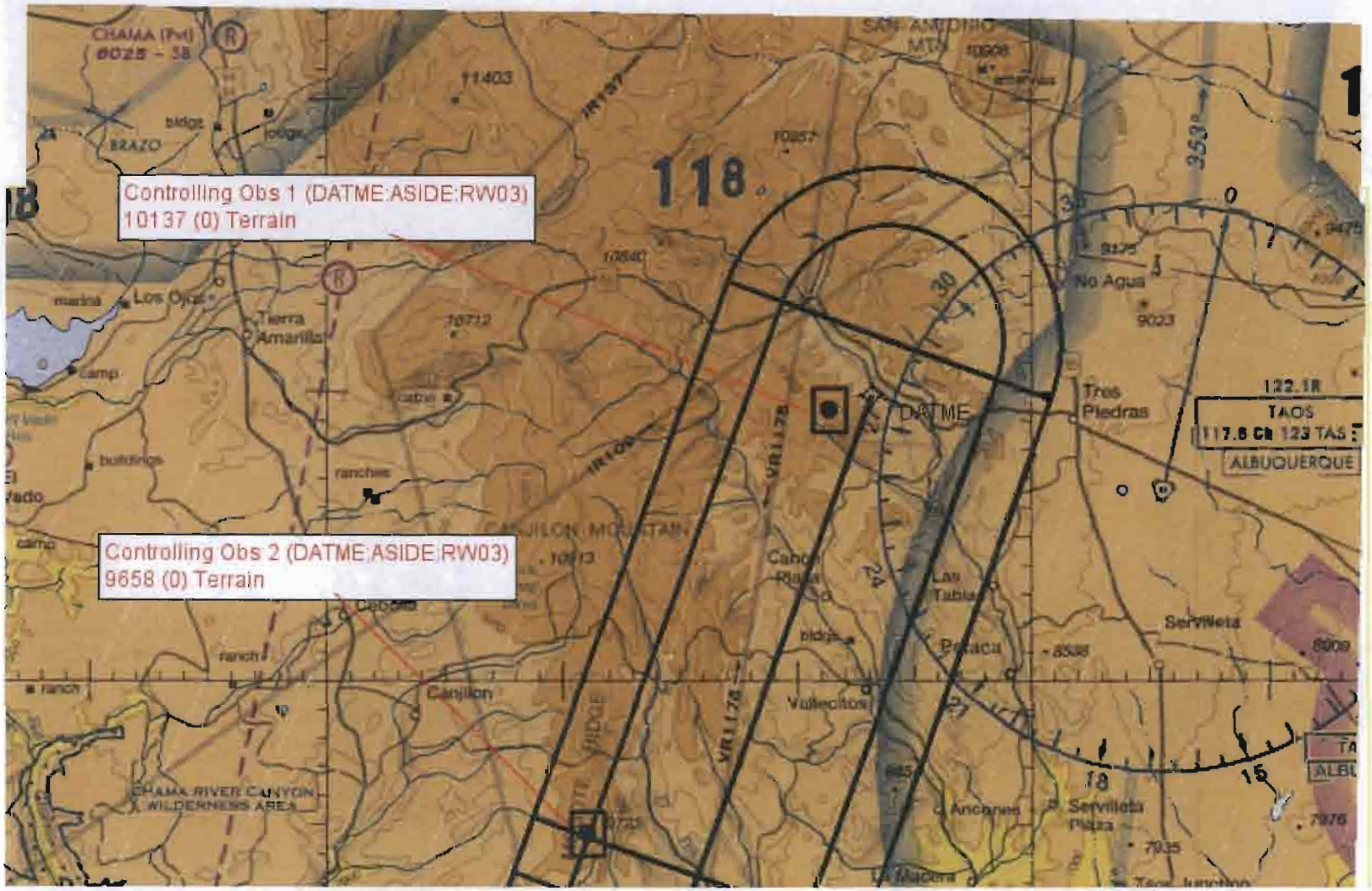
QUALITY CHECKED

(19) Graphic Depiction (8 of 13)



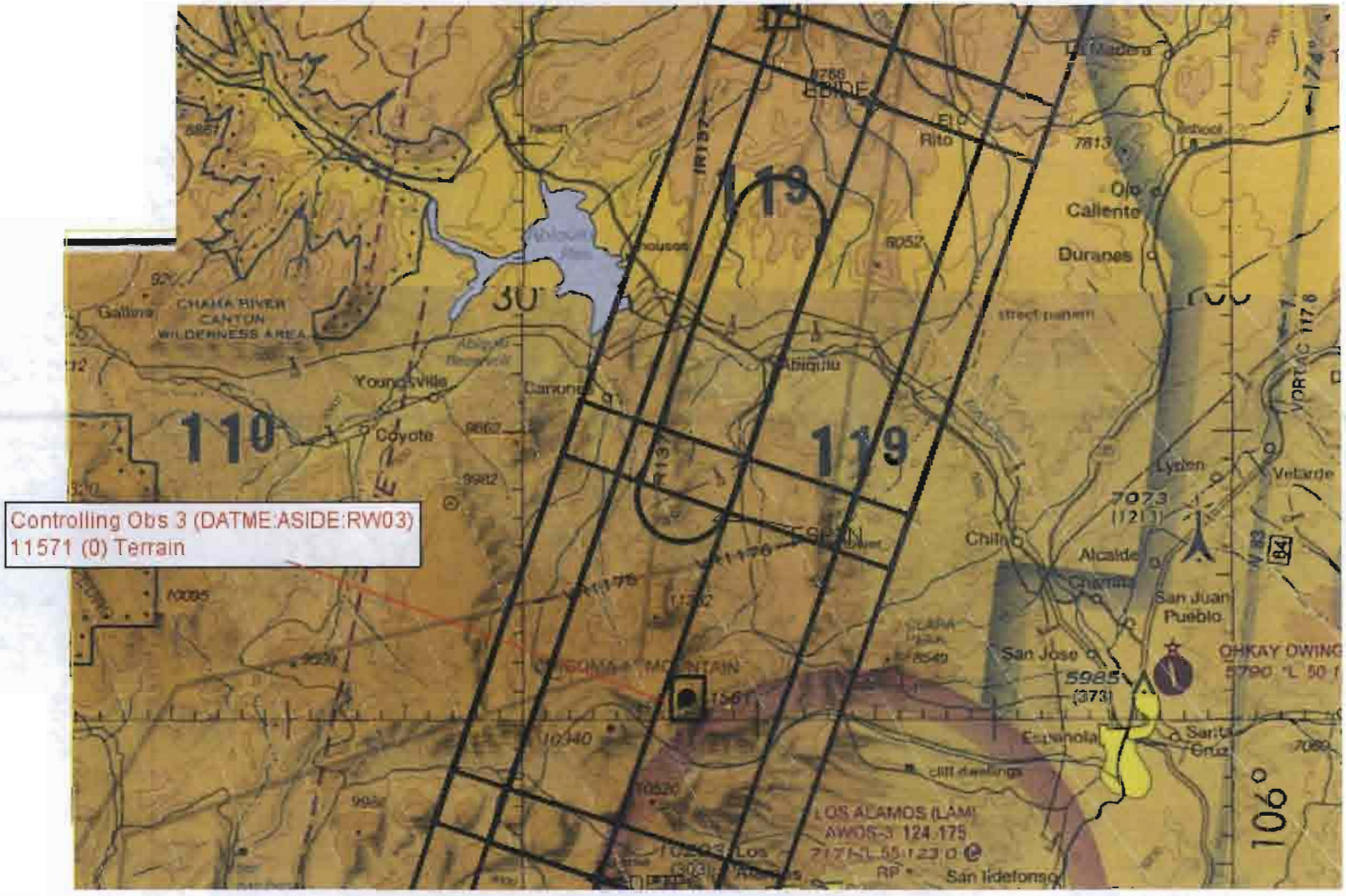
QUALITY CHECKED

(19) Graphic Depiction (9 of 13)



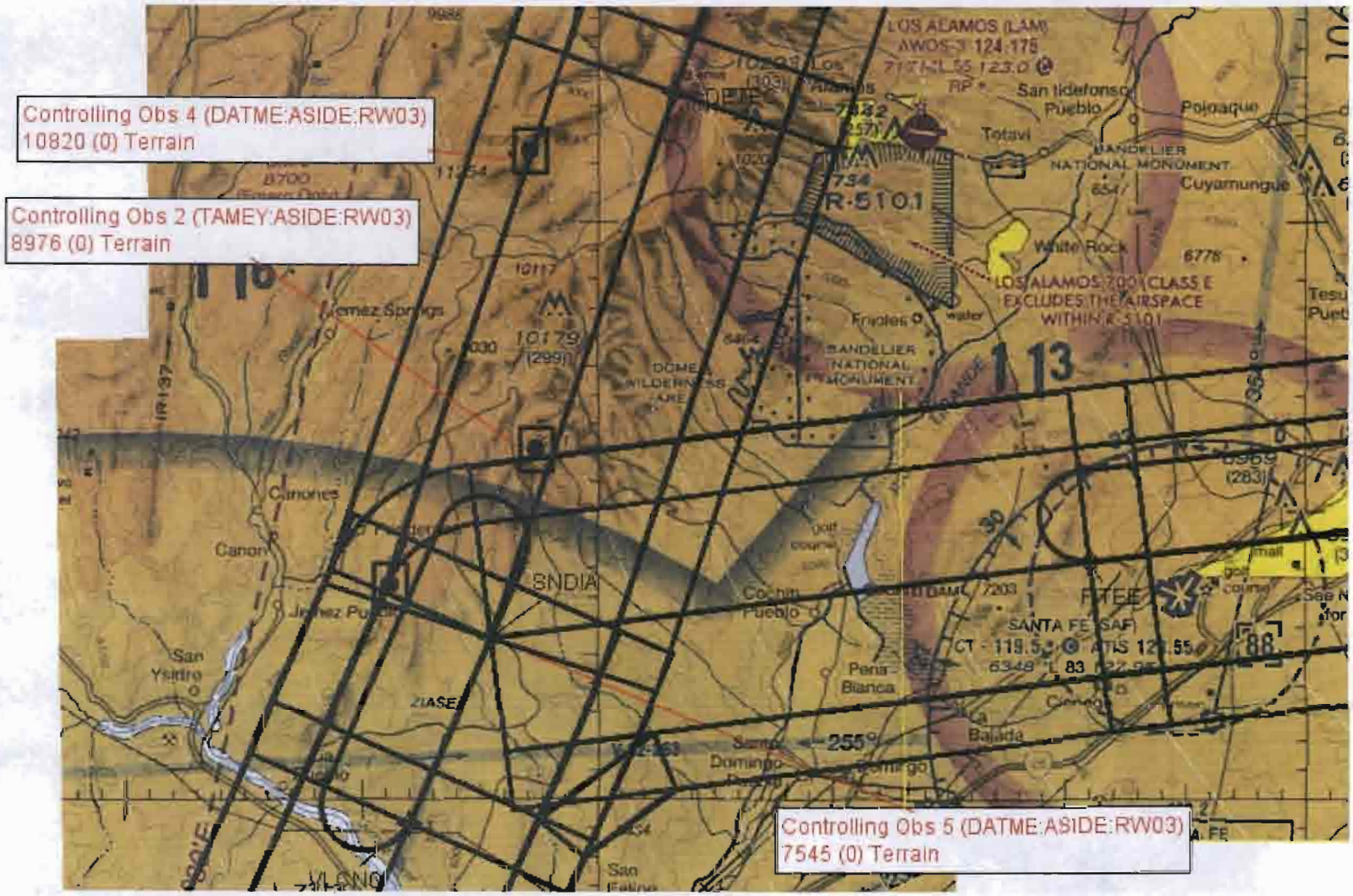
QUALITY CHECKED

(19) Graphic Depiction (10 of 13)

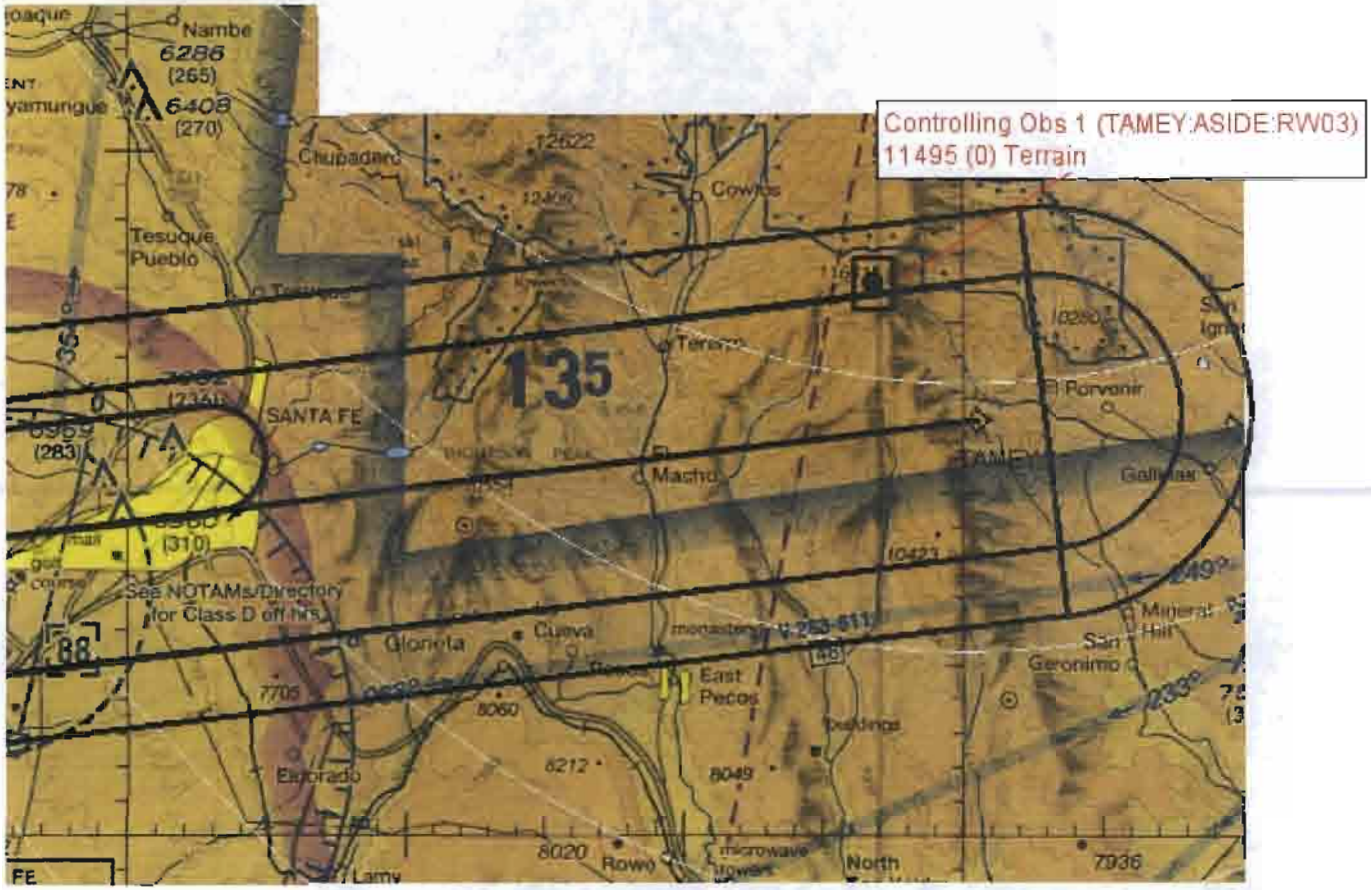


QUALITY CHECKED

(19) Graphic Depiction (11 of 13)

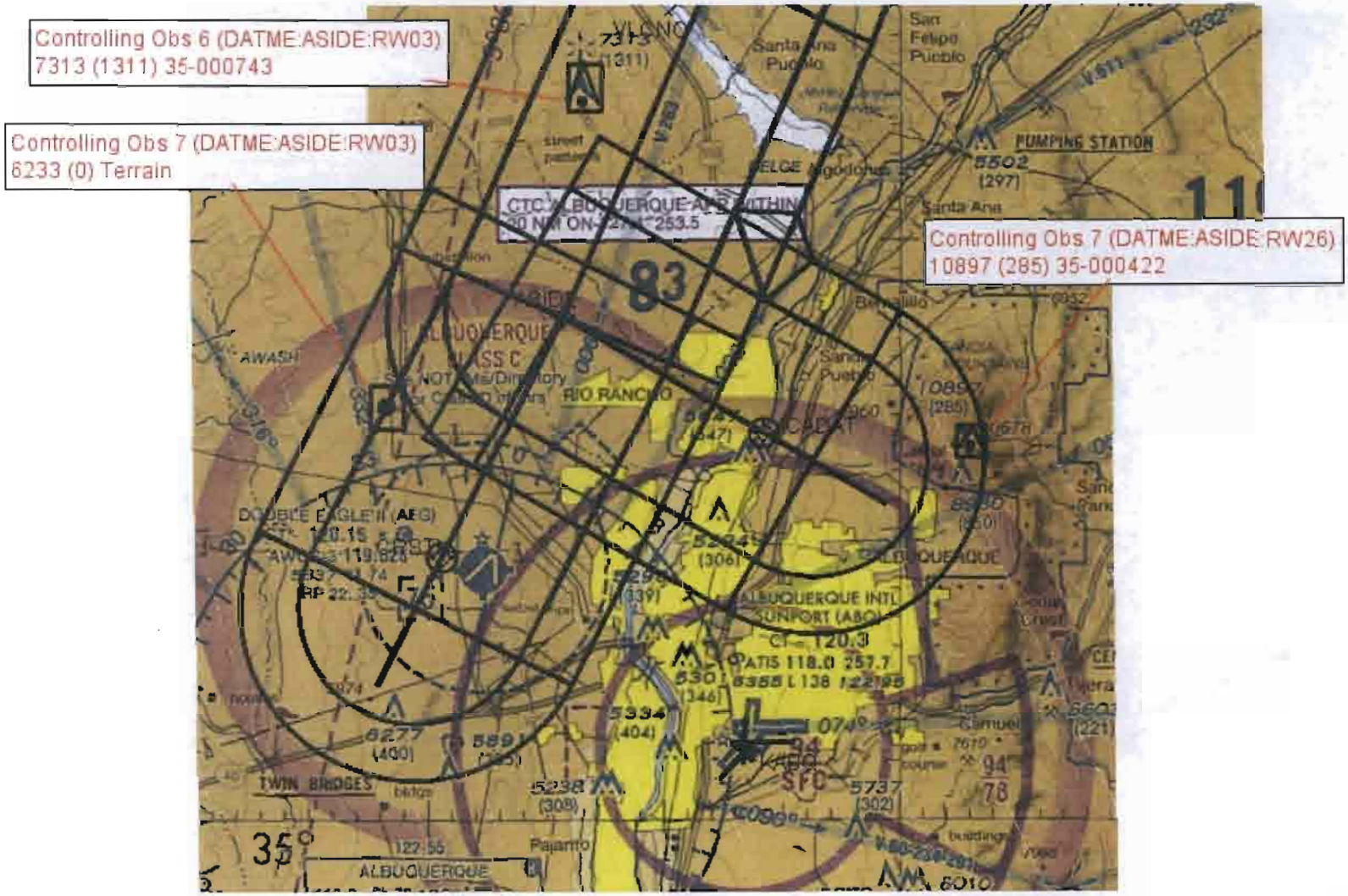


(19) Graphic Depiction (12 of 13)



QUALITY CHECKED

(19) Graphic Depiction (13 of 13)



QUALITY CHECKED

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
En Route Transition									
DATME	363951.15N / 1060656.76W	Y		IF					DATME.SNDIA1
EBIDE	362120.25N / 1061511.63W	Y	FB	TF	199.82	19.65			
ESPAN	360711.35N / 1062125.34W	Y	FB	TF	199.66	15.00			HOLD N, RT, 188.66 INBOUND
DETEC	355429.87N / 1062653.68W	Y	FB	TF	199.33	13.43	+FL210/-FL250	270	
SNDIA	353537.42N / 1063435.33W	Y	FB	TF	198.42	19.86			
En Route Transition									
TAMEY	354206.23N / 1052935.55W	Y		IF					TAMEY.SNDIA1
FITEE	353815.53N / 1060902.12W	Y	FB	TF	263.38	32.37	+FL210/-FL250	270	HOLD E, RT, 252.38 INBOUND
SNDIA	353537.42N / 1063435.33W	Y	FB	TF	262.93	21.00			
Common Route									
SNDIA	353537.42N / 1063435.33W	Y		IF					SNDIA.SNDIA1
VLCNO	352911.26N / 1063803.36W	Y	FB	TF	203.78	07.02	+14000/-16000	250	HOLD N, RT, 192.78 INBOUND.
ASIDE	351720.12N / 1064425.88W	Y	FB	TF	203.80	12.93	+10000/-11000	250	

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
SNDIA RNAV	ONE	SNDIA.SNDIA1	NONE		

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
Runway Transition									
ASIDE	351720.12N / 1064425.88W	Y		IF			+10000/-11000	250	RW03.SNDIA1
CRSTN	350902.90N / 1064931.21W	Y	FB	TF	206.77	09.27	9000	210	
RW03									
Runway Transition									
ASIDE	351720.12N / 1064425.88W	Y		IF			+10000/-11000	250	RW21.SNDIA1
CADAT	351320.76N / 1063556.92W	Y	FB	TF	119.79	08.01	9000	-210	
RW21									
Runway Transition									
ASIDE	351720.12N / 1064425.88W	Y		IF			+10000/-11000	250	RW26.SNDIA1
CADAT	351320.76N / 1063556.92W	Y	FB	TF	119.79	08.01	9000	-210	
RW26									

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
SNDIA RNAV	ONE	SNDIA.SNDIA1	NONE		

QUALITY CHECK

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
Runway Transition									
ASIDE	351720.12N / 1064425.88W	Y		IF			+10000/-11000	250	RWY 08.SNDIA1
CRSTN	350902.90N / 1064931.21W	Y	FB	TF	206.77	09.27	9000	210	
RWY 08									

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
SNDIA RNAV	ONE	SNDIA.SNDIA1	NONE		

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ASIDE K20    W   L N35172012W106442588                      E0091     NAR           ASIDE
        SUSAEAENRT   CADAT K20    W   L N35132076W106355692                      E0091     NAR           CADAT
        SUSAEAENRT   CRSTN K20    W   L N35090290W106493121                      E0092     NAR           CRSTN
        SUSAEAENRT   DATME K20    W   H N36395115W106065676                      E0090     NAR           DATME
        SUSAEAENRT   DETEC K20    W   L N35542987W106265368                      E0091     NAR           DETEC
        SUSAEAENRT   EBIDE K20    W   H N36212025W106151163                      E0090     NAR           EBIDE
        SUSAEAENRT   ESPAN K20    C   H N36071135W106212534                      E0091     NAR           ESPAN
        SUSAEAENRT   FITEE K20    W   B N35381553W106090212                      E0089     NAR           FITEE
        SUSAEAENRT   SNDIA K20    W   B N35353742W106343533                      E0091     NAR           SNDIA
        SUSAEAENRT   TAMEY K20    W   H N35420623W105293555                      E0086     NAR           TAMEY
        SUSAEAENRT   VLCNO K20    W   L N35291126W106380336                      E0091     NAR           VLCNO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABQK2AABQ     0     137YHN35022470W106363310E011005355         1800018000C    MNAR    ALBUQUERQUE INTL SUNPORT

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABQK2ESNDIA14DATME 010DATMEK2EA0E       IF                                                18000
        SUSAP KABQK2ESNDIA14DATME 020EBIDEK2EA0E    010TF                    18880197
        SUSAP KABQK2ESNDIA14DATME 030ESPANK2EA0E  H 010TF                    18870150
        SUSAP KABQK2ESNDIA14DATME 040DETECK2EA0E    010TF                    18830134    B FL250FL210     270
        SUSAP KABQK2ESNDIA14DATME 050SNDIAK2EA0EE   010TF                    18740199
        SUSAP KABQK2ESNDIA14TAMEY 010TAMEYK2EA0E       IF                                                18000
        SUSAP KABQK2ESNDIA14TAMEY 020FITEEK2EA0E  H 010TF                    25240324    B FL250FL210     270
        SUSAP KABQK2ESNDIA14TAMEY 030SNDIAK2EA0EE   010TF                    25190210
        SUSAP KABQK2ESNDIA15      010SNDIAK2EA0E       IF                                                18000
        SUSAP KABQK2ESNDIA15      020VLCNOK2EA0E  H 010TF                    19280070    B 1600014000     250
        SUSAP KABQK2ESNDIA15      030ASIDEK2EA0EE   010TF                    19280129    B 1100010000     250
        SUSAP KABQK2ESNDIA16RW03  010ASIDEK2EA0E       IF                                B 110001000018000250
        SUSAP KABQK2ESNDIA16RW03  020CRSTNK2EA0EE   010TF                    19580093      09000          210
        SUSAP KABQK2ESNDIA16RW08  010ASIDEK2EA0E       IF                                B 110001000018000250
        SUSAP KABQK2ESNDIA16RW08  020CRSTNK2EA0EE   010TF                    19580093      09000          210
        SUSAP KABQK2ESNDIA16RW21  010ASIDEK2EA0E       IF                                B 110001000018000250
        SUSAP KABQK2ESNDIA16RW21  020CADATK2EA0EE   010TF                    10880080      09000          210
```

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
SNDIA RNAV	ONE	SNDIA.SNDIA1	NONE		

```
        SUSAP KABQK2ESNDIA16RW26  010ASIDEK2EA0E       IF                                B 110001000018000250
        SUSAP KABQK2ESNDIA16RW26  020CADATK2EA0EE   010TF                    10880080      09000         210              -
                  1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        SUSAP KABQK2GRW03    0100000338 N35012009W106375017+0100    +1595705305000060150IIBZY1
        SUSAP KABQK2GRW08    0137930794 N35023960W106370569+0300    +1598705315100054150IISPT1
        SUSAP KABQK2GRW21    0100002138 N35023027W106362546-0100    +1599205316000055150R
        SUSAP KABQK2GRW26    0137932595 N35023863W106343189-0300    +1611205355000050150R
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
SNDIA RNAV	ONE	SNDIA.SNDIA1	NONE		

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DATME	DATME	010		IF		FB					
	DATME	EBIDE	020		TF		FB	1.0	188.8()	019.7		
	DATME	ESPAN	030		TF		FB	1.0	188.7()	015.0		
	DATME	DETEC	040		TF		FB	1.0	188.3()	013.4	BT FL250FL210	AT 270
	DATME	SNDIA	050		TF		FB	1.0	187.4()	019.9		
	TAMEY	TAMEY	010		IF		FB					
	TAMEY	FITEE	020		TF		FB	1.0	252.4()	032.4	BT FL250FL210	AT 270
	TAMEY	SNDIA	030		TF		FB	1.0	251.9()	021.0		
		SNDIA	010		IF		FB					
		VLCNO	020		TF		FB	1.0	192.8()	007.0	BT 1600014000	AT 250
		ASIDE	030		TF		FB	1.0	192.8()	012.9	BT 1100010000	AT 250
	RW03	ASIDE	010		IF		FB				BT 1100010000	AT 250
	RW03	CRSTN	020		TF		FB	1.0	195.8()	009.3	AT 09000	AT 210
	RW08	ASIDE	010		IF		FB				BT 1100010000	AT 250
	RW08	CRSTN	020		TF		FB	1.0	195.8()	009.3	AT 09000	AT 210
	RW21	ASIDE	010		IF		FB				BT 1100010000	AT 250
	RW21	CADAT	020		TF		FB	1.0	108.8()	008.0	AT 09000	AB 210
	RW26	ASIDE	010		IF		FB				BT 1100010000	AT 250
	RW26	CADAT	020		TF		FB	1.0	108.8()	008.0	AT 09000	AB 210

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
ASIDE	N351720.12	W1064425.88	N3517.335	W10644.431
CADAT	N351320.76	W1063556.92	N3513.346	W10635.949
CRSTN	N350902.90	W1064931.21	N3509.048	W10649.520
DATME	N363951.15	W1060656.76	N3639.853	W10606.946
DETEC	N355429.87	W1062653.68	N3554.498	W10626.895
EBIDE	N362120.25	W1061511.63	N3621.338	W10615.194
ESPAN	N360711.35	W1062125.34	N3607.189	W10621.422
FITEE	N353815.53	W1060902.12	N3538.259	W10609.035
SNDIA	N353537.42	W1063435.33	N3535.624	W10634.589
TAMEY	N354206.23	W1052935.55	N3542.104	W10529.593
VLCNO	N352911.26	W1063803.36	N3529.188	W10638.056
RW03	N350120.09	W1063750.17	N3501.335	W10637.836
RW08	N350239.60	W1063705.69	N3502.660	W10637.095
RW21	N350230.27	W1063625.46	N3502.505	W10636.424
RW26	N350238.63	W1063431.89	N3502.644	W10634.532

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
SNDIA RNAV	ONE	SNDIA.SNDIA1	NONE		

FAA Form 7100-3 (9/02)

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW03	05305	60
RW08	05315	54
RW21	05316	55
RW26	05355	50

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
SNDIA RNAV	ONE	SNDIA.SNDIA1	NONE		

RADIO FIX AND HOLDING DATA RECORD

NAME: ASIDE **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 351720.12N/1064425.88W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SNDIA (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 07/02/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CADAT **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 351320.76N/1063556.92W **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
IAP	RNAV (GPS) RWY 17			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Y RWY 21			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Y RWY 26			KABQ	ALBUQUERQUE	NM (US)
STAR	SNDIA (RNAV)			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
ADDED CONTROLLER AND EN ROUTE LOW TO REQUIRED CHARTING.

DEVELOPED BY: **DATE:** 07/20/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON/ABQ TOWER
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CRSTN **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350902.90N/1064931.21W **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	ATOMK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 3			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 8			KABQ	ALBUQUERQUE	NM (US)
STAR	SNDIA (RNAV)			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
ADDED STAR, CONTROLLER, AND EN ROUTE LOW TO REQUIRED CHARTING.

DEVELOPED BY: **DATE:** 07/20/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON/ABQ TOWER
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DATME **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 363951.15N/1060656.76W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	SNDIA (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/29/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DETEC **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 355429.87N/1062653.68W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SNDIA (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/29/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: EBIDE **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 362120.25N/1061511.63W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	SNDIA (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/29/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ESPAN **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 360711.35N/1062125.34W **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	ALBUQUERQUE	ABQ	VORTAC	H	006.09	019.09	68.27	68.27		16000	45000
2	FORT UNION	FTI	VORTAC	H	282.30	295.30		65.67		18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FTI	VORTAC	R-282	66	18000	22000
ABQ	VORTAC	R-006	69	15000	21000

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N		WP	008.66	188.66	R		11	20000	40000	18	28

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J13	1, 2				(US)
EN ROUTE	J58	1, 2				(US)
STAR	FRIHO	1, 2		KABQ	ALBUQUERQUE	NM (US)
STAR	SNDIA (RNAV)		1	KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
ADDED WP TO FIX TYPE.
UPDATED FAC 2 NAME AND INDENT IAW LVS FACILITY ID CHANGING TO FTI IN 2006.
ADDED DIST FROM FAC IN NM FOR FAC 1.
ADDED DIST FROM FAC IN NM FOR FAC 2.
ADDED ESV DATA FOR ABQ AND LVS.
ADDED PAT 1.
ADDED ESV DATA FOR FAC 2.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 06/29/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FITEE **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 353815.53N/1060902.12W **TYPE:** WP

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E		WP	072.38	252.38	R		10	15000	25000	16	21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	354801.10N/1054611.40W	10609	6C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 EVALUATED AS EN ROUTE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SNDIA (RNAV)		1	KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 07/02/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SNDIA **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 353537.42N/1063435.33W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SNDIA (RNAV)			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/29/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TAMEY **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 354206.23N/1052935.55W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SNDIA (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 07/02/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: VLCNO **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 352911.26N/1063803.36W **TYPE:** WP

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N		WP	012.78	192.78	R		7	11800	16000	10	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	354630.00N/1063242.00W	9777	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 EVALUATED AS EN ROUTE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SNDIA (RNAV)		1	KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

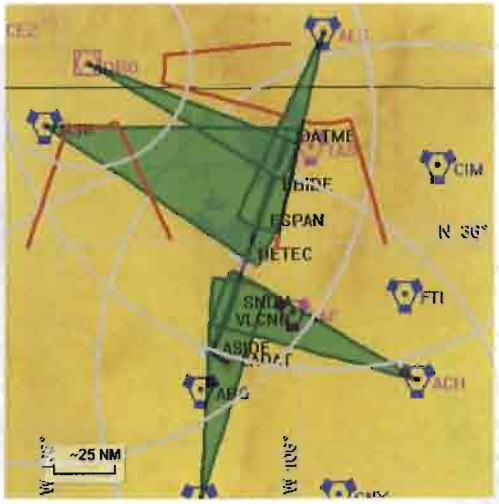
RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 07/02/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:



Name:	enanders
Project Name:	
Output File:	SNDIA STAR DATME CADAT 20120420_1039
Procedure Name:	SNDIA
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/20/2012 10:39:14 AM
Input File:	KAEG SNDIA STAR DATME CADAT 20120420_1025.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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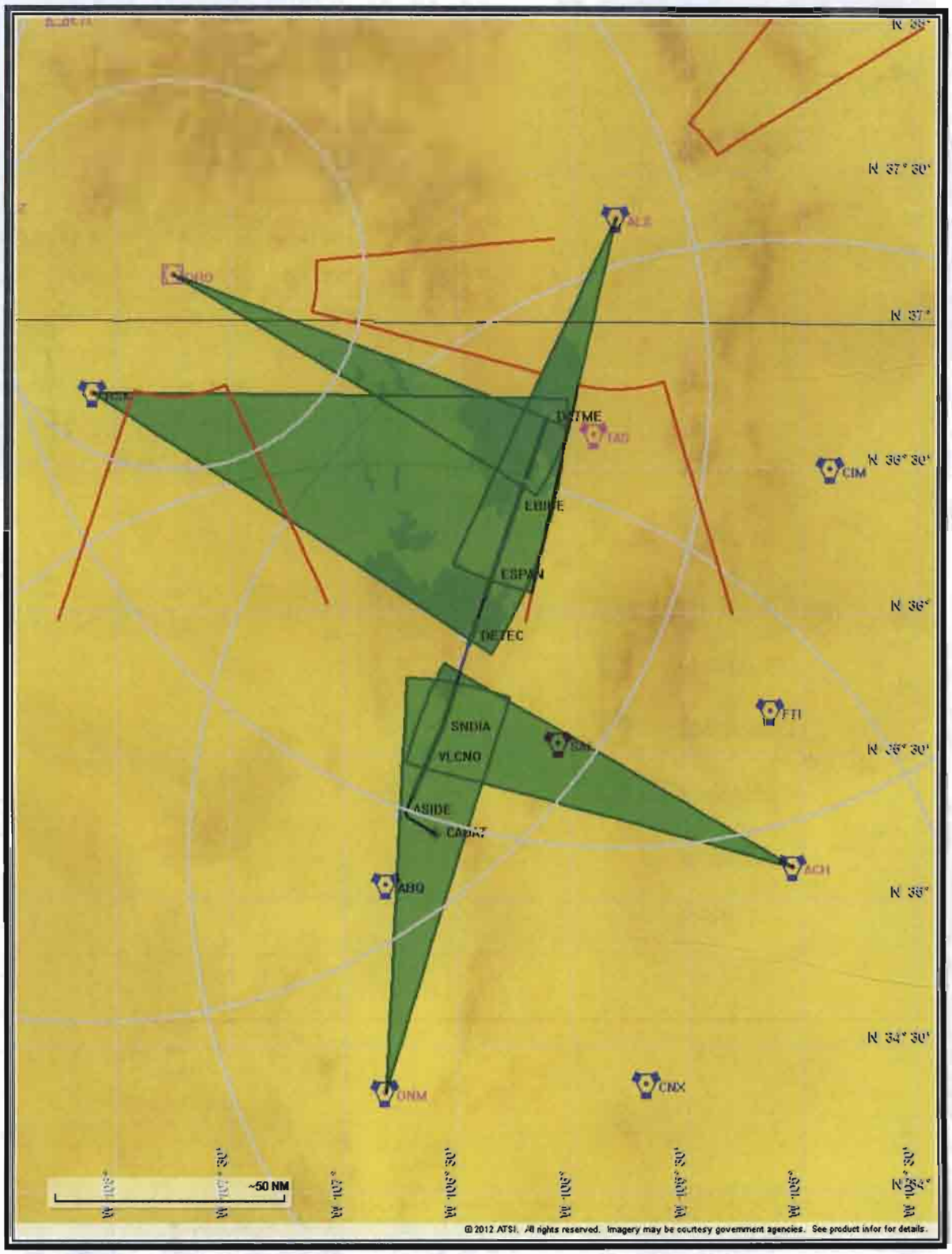
N 37° 30'
N 37°
N 36° 30'
N 36°
N 35° 30'
N 35°
N 34° 30'
N 34°
W 105°
W 106°
W 107°
W 108°
W 109°
W 110°
W 111°
W 112°
~50 NM
DATME
LBUTE
ESPAN
DETEC
SNDIA
VLCNO
ASIDE
CADAT
CIM
FTI
ABQ
ONM
CNX
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
DATME	WP	N 36° 39' 51.15" W 106° 6' 56.76"	20000.0	Step	280.0	Fly By	TF
EBIDE	WP	N 36° 21' 20.25" W 106° 15' 11.63"	20000.0	Step	240.0	Fly By	TF
ESPAN	WP	N 36° 7' 11.35" W 106° 21' 25.34"	20000.0	Step	240.0	Fly By	TF
DETEC	WP	N 35° 54' 29.87" W 106° 26' 53.68"	20000.0	Step	270.0	Fly By	TF
SNDIA	WP	N 35° 35' 37.42" W 106° 34' 35.33"	13100.0	Step	210.0	Fly By	TF
VLCNO	WP	N 35° 29' 11.26" W 106° 38' 3.36"	9800.0	Step	250.0	Fly By	TF
ASIDE	WP	N 35° 17' 20.12" W 106° 44' 25.88"	9400.0	Step	250.0	Fly By	TF
CADAT	WP	N 35° 13' 20.76" W 106° 35' 56.92"	8300.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:	**Flight Type:** Arrival **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** 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
Entire track is fly-able	

DME/DME

Return To Summary

Settings:

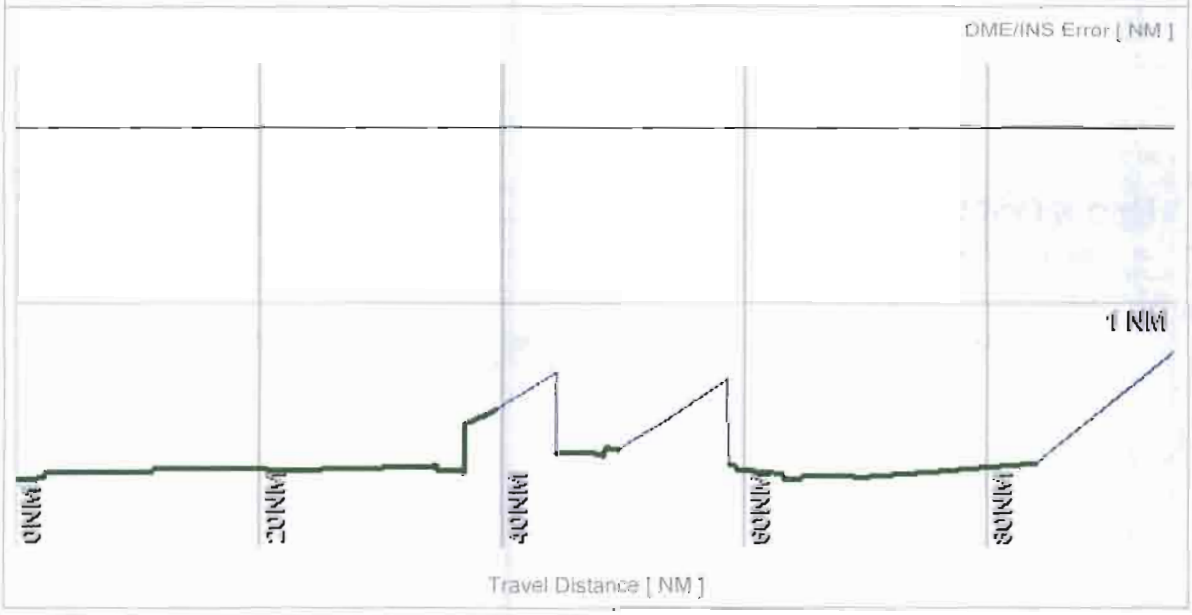
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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

Total Number of DMEs Used: 8

Maximum DME Error: 0.806 NM.

1 Critical DME was found.

Available DMEs: RSK, ALS, TAS, DRO, ACH, SAF, ONM, ABQ



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ALS	N 37° 20' 56.97" W 105° 48' 55.93" E 13	H + ESV	User	NO	0.806	Enabled	33.3 %	36.2 %
2	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L	Database	NO	0.806	Enabled	4.4 %	4.8 %
3	DRO	N 37° 9' 11.71" W 107° 44' 58.62" E 14	L + ESV	User	NO	0.806	Enabled	8.6 %	9.4 %
4	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H + ESV	User	NO	0.820	Enabled	28.0 %	30.5 %
5	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H + ESV	User	NO	0.806	Enabled	3.5 %	3.8 %
6	SAF	N 35° 32' 25.95" W 106° 3' 53.81" E 13	L	Database	YES	**Drift Time**	Enabled	31.8 %	29.9 %
7	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	NO	1.319	Enabled	15.5 %	16.0 %
8	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	Database	NO	1.281	Enabled	18.1 %	15.9 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ALS	RSK	TAS	DRO		
19.6	ALS	RSK	TAS	ACH		
34.6	SAF	RSK	TAS	ACH	ONM	ALS
48.0	SAF	ONM	ABQ	ACH		
67.6	SAF	ONM	ABQ			
75.0	SAF	ABQ				
86.5	ABQ					

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 36° 2' 35.75" W 106° 23' 24.51"	N 35° 57' 57.24" W 106° 25' 24.51"	4.9
	VOR: SAF	Available from N 36° 2' 35.75" W 106° 23' 24.51" to N 35° 57' 57.24" W 106° 25' 24.51"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 35° 53' 1.93" W 106° 27' 30.01"	N 35° 44' 29.21" W 106° 30' 59.17"	9.0
	VOR: SAF	Available from N 35° 53' 1.93" W 106° 27' 30.01" to N 35° 44' 29.21" W 106° 30' 59.17"	
3	N 35° 20' 55.95" W 106° 42' 30.05"	N 35° 13' 21.29" W 106° 35' 58.07"	11.4
	VOR: ABQ	Available from N 35° 20' 55.95" W 106° 42' 30.05" to N 35° 13' 21.29" W 106° 35' 58.07"	
	VOR: SAF	Available from N 35° 20' 55.95" W 106° 42' 30.05" to N 35° 13' 21.29" W 106° 35' 58.07"	
	VOR: OTO	Available from N 35° 16' 28.66" W 106° 42' 37.22" to N 35° 13' 21.29" W 106° 35' 58.07"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
	ESV:	Bearing [True]: 363.0° to 18.0° Bearing [Mag]: 350.0° to 5.0°		Arc Distance: Out to 86.0 NM Altitude: 12000.0 to 21000.0 Ft.			
2	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	5445.0	117.80	ACH	Used
	ESV:	Bearing [True]: 285.0° to 300.0° Bearing [Mag]: 273.0° to 288.0°		Arc Distance: Out to 86.0 NM Altitude: 12500.0 to 21000.0 Ft.			
3	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H	5823.1	115.30	RSK	Used
	ESV:	Bearing [True]: 90.0° to 122.0° Bearing [Mag]: 76.0° to 108.0°		Arc Distance: Out to 100.0 NM Altitude: 19900.0 to 22000.0 Ft.			
4	ALS	N 37° 20' 56.97" W 105° 48' 55.93" E 13	H	7535.0	113.90	ALS	Used
	Restriction:	Bearing [True]: 38.0° to 58.0° Bearing [Mag]: 25.0° to 45.0°		Distance: Beyond 25.0 NM Altitude: Below 15900.0 Ft.			
	Restriction:	Bearing [True]: 163.0° to 193.0° Bearing [Mag]: 150.0° to 180.0°		Distance: Beyond 35.0 NM Altitude: Below 11600.0 Ft.			
	ESV:	Bearing [True]: 193.0° to 206.0° Bearing [Mag]: 180.0° to 193.0°		Arc Distance: Out to 79.0 NM Altitude: 19900.0 to 24000.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

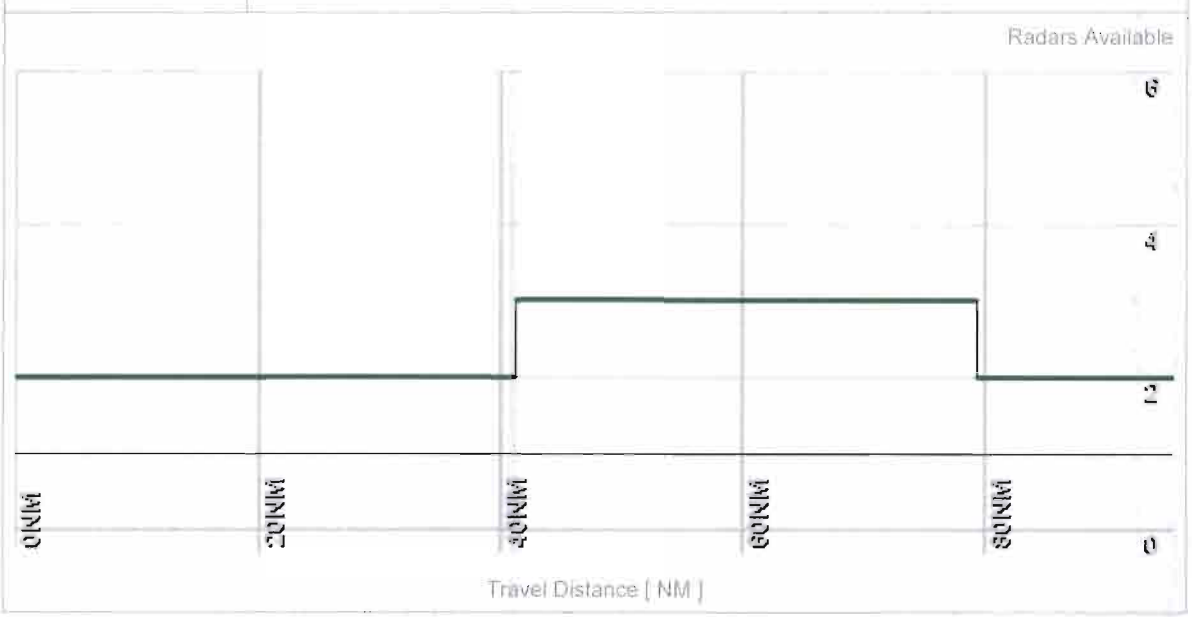
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	DRO	N 37° 9' 11.71" W 107° 44' 58.62" E 14	L	6660.0	108.20	DRO	Used

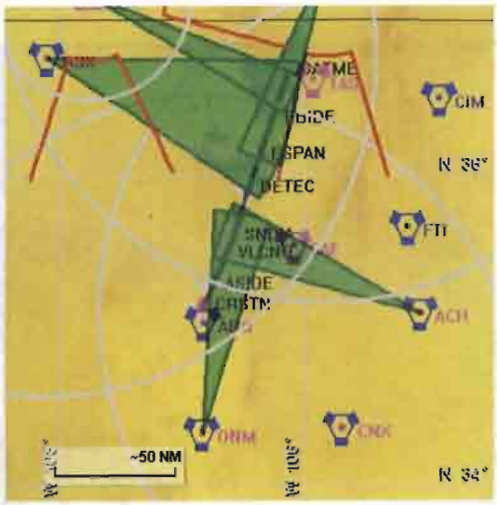
Restriction:	Bearing [True]: 84.0° to 104.0° Bearing [Mag]: 70.0° to 90.0°	Distance: Beyond 30.0 NM Altitude: Below 12500.0 Ft.
Restriction:	Bearing [True]: 154.0° to 199.0° Bearing [Mag]: 140.0° to 185.0°	Distance: Beyond 25.0 NM Altitude: Below 13000.0 Ft.
ESV:	Bearing [True]: 110.0° to 120.0° Bearing [Mag]: 96.0° to 106.0°	Arc Distance: Out to 89.0 NM Altitude: 20000.0 to 26000.0 Ft.

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Output File:	SNDIA STAR DATME CRSTN 20120420_0852
Procedure Name:	SNDIA
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/20/2012 8:52:56 AM
Input File:	KABQ SNDIA STAR DATME CRSTN 20120420_0810.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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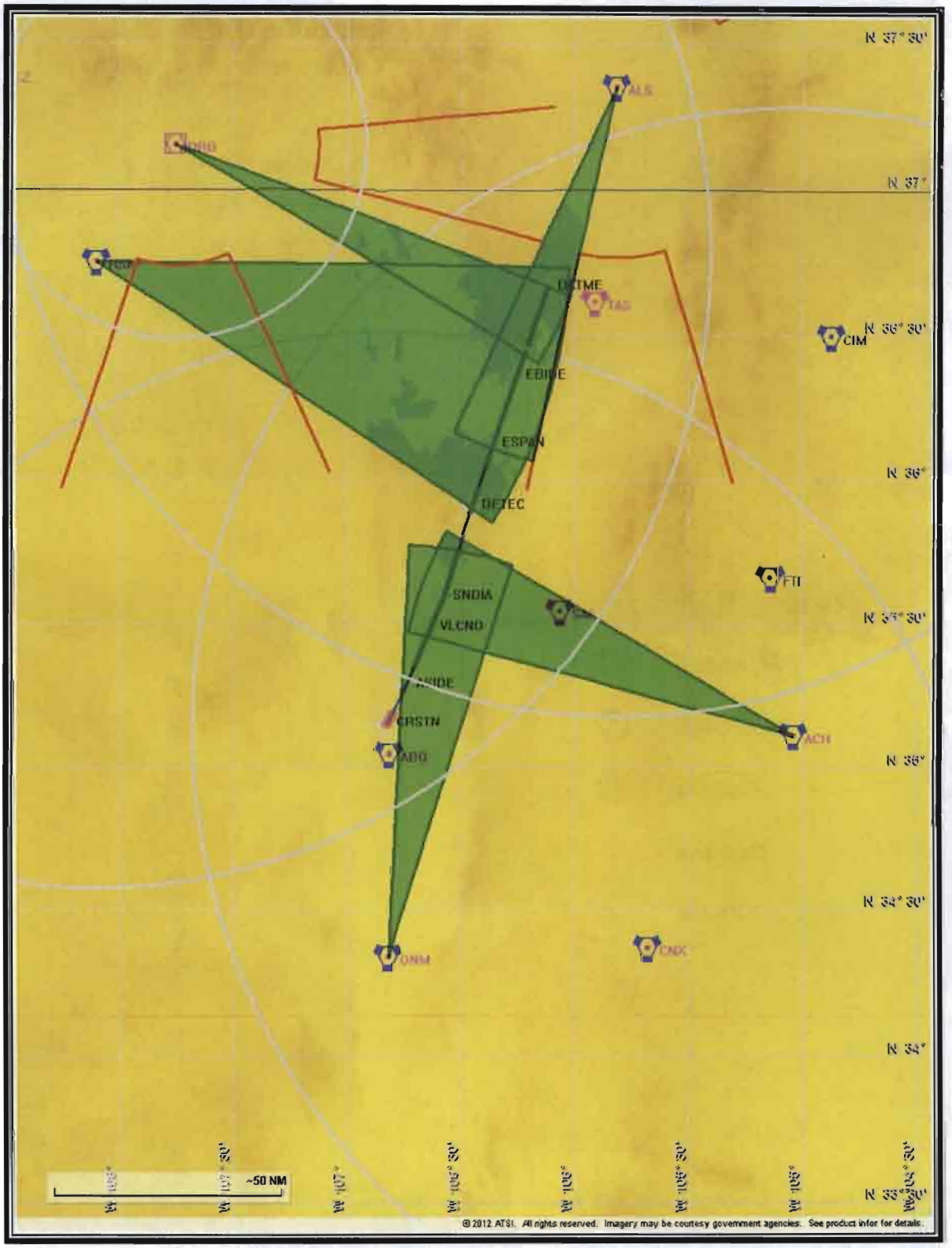
N 37° 30'
N 37°
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W 108°
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~50 NM
ALS
DTME
TAS
CIM
EBIDE
ESPAN
DETEC
FTI
SNDIA
VLCNO
ACH
CRSTN
ABQ
CNX
ORM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
DATME	WP	N 36° 39' 51.15" W 106° 6' 56.76"	20000.0	Step	280.0	Fly By	TF
EBIDE	WP	N 36° 21' 20.25" W 106° 15' 11.63"	20000.0	Step	240.0	Fly By	TF
ESPAN	WP	N 36° 7' 11.35" W 106° 21' 25.34"	20000.0	Step	240.0	Fly By	TF
DETEC	WP	N 35° 54' 29.87" W 106° 26' 53.68"	20000.0	Step	270.0	Fly By	TF
SNDIA	WP	N 35° 35' 37.42" W 106° 34' 35.33"	13100.0	Step	210.0	Fly By	TF
VLCNO	WP	N 35° 29' 11.26" W 106° 38' 3.36"	9800.0	Step	250.0	Fly By	TF
ASIDE	WP	N 35° 17' 20.12" W 106° 44' 25.88"	9400.0	Step	250.0	Fly By	TF
CRSTN	WP	N 35° 9' 2.90" W 106° 49' 31.21"	8500.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:

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

Entire track is fly-able

DME/DME

Return To Summary

Settings:

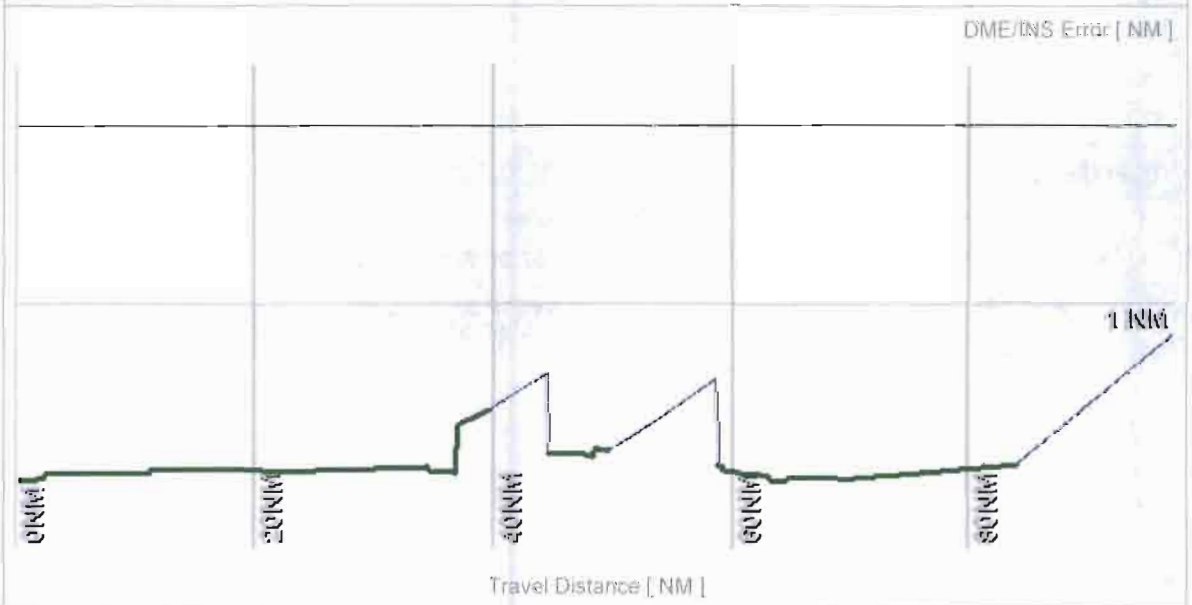
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
  Initial Drift: 0.558 NM
  INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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
Automatic ESVs: Enabled w/ limit Alt/Distance (Reduce Criticals)

Total Number of DMEs Used: 8

Maximum DME Error: 0.875 NM.

1 Critical DME was found.

Available DMEs: ALS, RSK, TAS, DRO, ACH, SAF, ONM, ABQ



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ALS	N 37° 20' 56.97" W 105° 48' 55.93" E 13	H + ESV	User	NO	0.875	Enabled	32.6 %	35.5 %
2	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L	Database	NO	0.875	Enabled	4.4 %	4.7 %
3	DRO	N 37° 9' 11.71" W 107° 44' 58.62" E 14	L + ESV	User	NO	0.875	Enabled	8.4 %	9.2 %
4	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H + ESV	User	NO	0.875	Enabled	27.4 %	30.0 %
5	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H + ESV	User	NO	0.875	Enabled	3.5 %	3.7 %
6	SAF	N 35° 32' 25.95" W 106° 3' 53.81" E 13	L	Database	YES	**1.769**	Enabled	31.1 %	29.4 %
7	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	NO	1.319	Enabled	15.2 %	15.7 %
8	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	Database	NO	1.350	Enabled	17.8 %	15.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ALS	RSK	TAS	DRO		
19.6	ALS	RSK	TAS	ACH		
34.6	SAF	RSK	TAS	ACH	ONM	ALS
48.0	SAF	ONM	ABQ	ACH		
67.6	SAF	ONM	ABQ			
75.0	SAF	ABQ				
87.7	ABQ					

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 36° 2' 35.75" W 106° 23' 24.51"	N 35° 57' 57.24" W 106° 25' 24.51"	4.9
	VOR: SAF	Available from N 36° 2' 35.75" W 106° 23' 24.51" to N 35° 57' 57.24" W 106° 25' 24.51"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 35° 53' 1.93" W 106° 27' 30.01"	N 35° 44' 29.21" W 106° 30' 59.17"	9.0
	VOR: SAF	Available from N 35° 53' 1.93" W 106° 27' 30.01" to N 35° 44' 29.21" W 106° 30' 59.17"	
3	N 35° 20' 55.95" W 106° 42' 30.05"	N 35° 9' 4.08" W 106° 49' 30.48"	13.2
	VOR: ABQ	Available from N 35° 20' 55.95" W 106° 42' 30.05" to N 35° 9' 4.08" W 106° 49' 30.48"	
	VOR: SAF	Available from N 35° 20' 55.95" W 106° 42' 30.05" to N 35° 13' 20.48" W 106° 46' 53.08"	

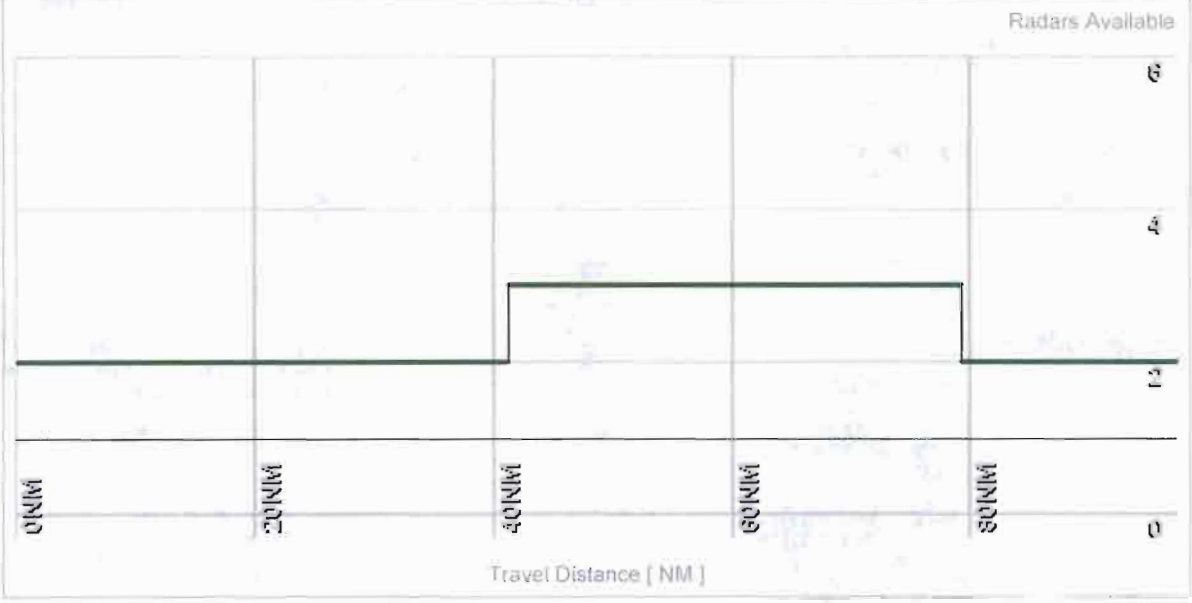
User DMEs

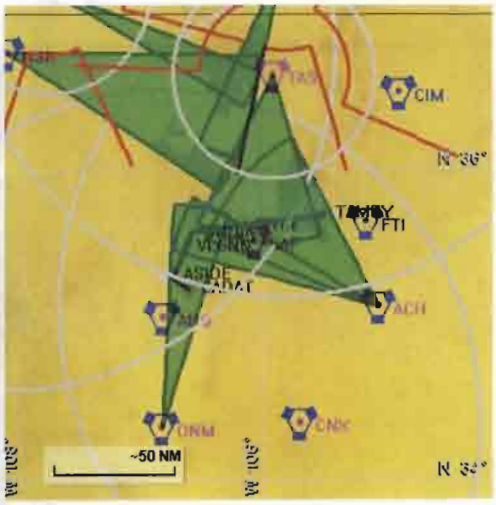
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV:	Bearing [True]: 363.0° to 18.0° Bearing [Mag]: 350.0° to 5.0°		Arc Distance: Out to 86.0 NM Altitude: 12000.0 to 21000.0 Ft.		
2	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	5445.0	117.80	ACH	Used
		ESV:	Bearing [True]: 285.0° to 300.0° Bearing [Mag]: 273.0° to 288.0°		Arc Distance: Out to 86.0 NM Altitude: 12500.0 to 21000.0 Ft.		
3	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H	5823.1	115.30	RSK	Used
		Auto ESV:	Bearing [True]: 90.0° to 122.0° Bearing [Mag]: 76.0° to 108.0°		Arc Distance: Out to 100.0 NM Altitude: 19900.0 to 22000.0 Ft.		
4	ALS	N 37° 20' 56.97" W 105° 48' 55.93" E 13	H	7535.0	113.90	ALS	Used
		Restriction:	Bearing [True]: 38.0° to 58.0° Bearing [Mag]: 25.0° to 45.0°		Distance: Beyond 25.0 NM Altitude: Below 15900.0 Ft.		
		Restriction:	Bearing [True]: 163.0° to 193.0° Bearing [Mag]: 150.0° to 180.0°		Distance: Beyond 35.0 NM Altitude: Below 11600.0 Ft.		
		Auto ESV:	Bearing [True]: 193.0° to 206.0° Bearing [Mag]: 180.0° to 193.0°		Arc Distance: Out to 79.0 NM Altitude: 19900.0 to 24000.0 Ft.		
5	DRO	N 37° 9' 11.71" W 107° 44' 58.62" E 14	L	6660.0	108.20	DRO	Used
		Restriction:	Bearing [True]: 84.0° to 104.0° Bearing [Mag]: 70.0° to 90.0°		Distance: Beyond 30.0 NM Altitude: Below 12500.0 Ft.		
		Restriction:	Bearing [True]: 154.0° to 199.0° Bearing [Mag]: 140.0° to 185.0°		Distance: Beyond 25.0 NM Altitude: Below 13000.0 Ft.		
		Auto ESV:	Bearing [True]: 110.0° to 120.0° Bearing [Mag]: 96.0° to 106.0°		Arc Distance: Out to 89.0 NM Altitude: 20000.0 to 26000.0 Ft.		

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Output File:	SNDIA STAR TAMEY CADAT 20120420_1115
Procedure Name:	SNDIA
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/20/2012 11:15:56 AM
Input File:	KABQ SNDIA STAR TAMEY CADAT 20120420_1107.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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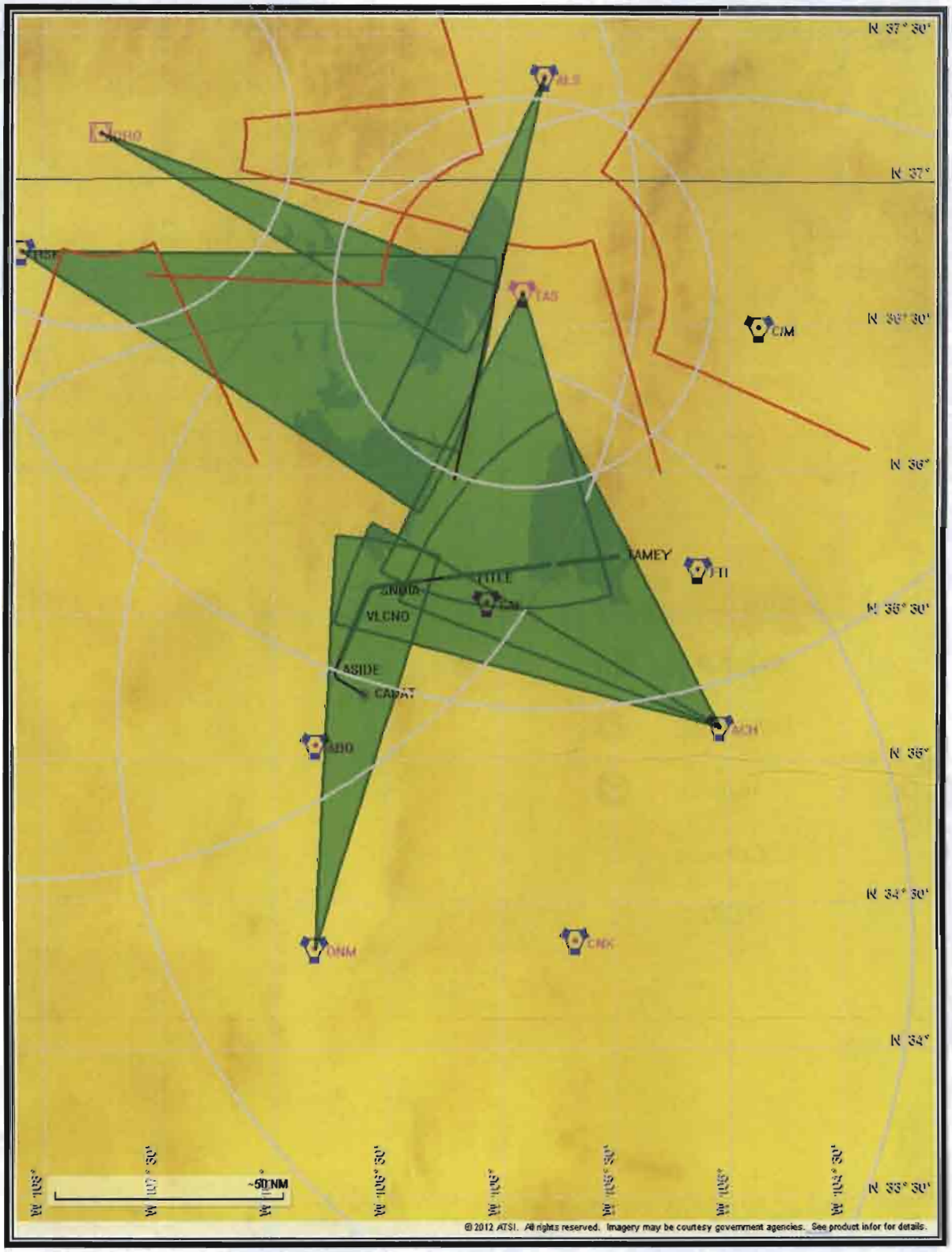
N 37° 30'
N 37°
N 36° 30'
N 36°
N 35° 30'
N 35°
N 34° 30'
N 34°
N 33° 30'
W 108°
W 107° 30'
W 107°
W 106° 30'
W 106°
W 105° 30'
W 105°
W 104° 30'
~50 NM
TAMEY
LITLE
SNDIA
VLCNO
ASIDE
CADAT
CIM
FTI
ABQ
ONM
CNK
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
TAMEY	WP	N 35° 42' 6.23" W 105° 29' 35.55"	15000.0	Step	280.0	Fly By	TF
FITEE	WP	N 35° 38' 15.53" W 106° 9' 2.12"	15000.0	Step	270.0	Fly By	TF
SNDIA	WP	N 35° 35' 37.42" W 106° 34' 35.33"	13100.0	Step	210.0	Fly By	TF
VLCNO	WP	N 35° 29' 11.26" W 106° 38' 3.36"	9800.0	Step	250.0	Fly By	TF
ASIDE	WP	N 35° 17' 20.12" W 106° 44' 25.88"	9400.0	Step	250.0	Fly By	TF
CADAT	WP	N 35° 13' 20.76" W 106° 35' 56.92"	8300.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:

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

Entire track is fly-able

DME/DME

Return To Summary

Settings:

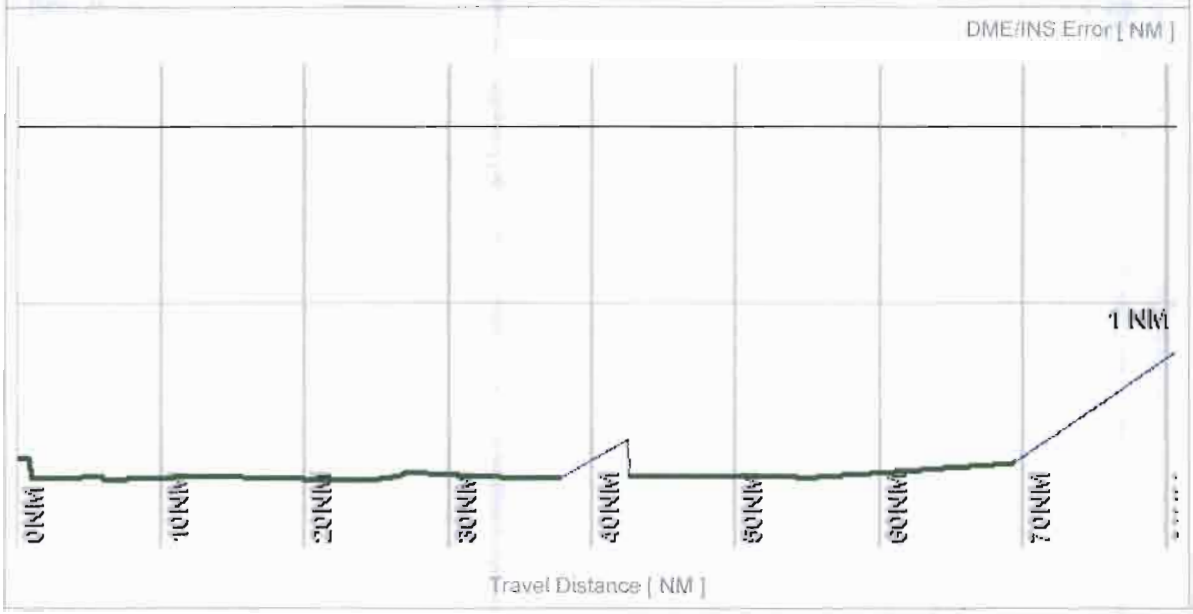
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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

Total Number of DMEs Used: 6

Maximum DME Error: 0.800 NM.

1 Critical DME was found.

Available DMEs: ACH, FTI, SAF, TAS, ONM, ABQ



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H + ESV	User	NO	0.800	Enabled	37.5 %	39.5 %
2	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H	Database	NO	0.800	Enabled	1.0 %	1.0 %
3	SAF	N 35° 32' 25.95" W 106° 3' 53.81" E 13	L	Database	YES	Drift Time	Enabled	64.8 %	65.7 %
4	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L + ESV	User	NO	0.820	Enabled	19.6 %	20.7 %
5	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	NO	0.800	Enabled	15.5 %	16.4 %
6	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	Database	NO	1.270	Enabled	18.6 %	16.9 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ACH	FTI	SAF	TAS		
32.3	ACH	ONM	SAF	TAS	ABQ	
52.1	ABQ	ONM	SAF			
60.2	ABQ	SAF				
71.7	ABQ					

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 35° 37' 35.17" W 106° 15' 39.34"	N 35° 37' 0.19" W 106° 21' 20.11"	4.7
	VOR: OTO	Available from N 35° 37' 35.17" W 106° 15' 39.34" to N 35° 37' 0.19" W 106° 21' 20.11"	
	VOR: SAF	Available from N 35° 37' 35.17" W 106° 15' 39.34" to N 35° 37' 0.19" W 106° 21' 20.11"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 35° 20' 48.56" W 106° 42' 33.93"	N 35° 13' 22.31" W 106° 36' 0.27"	11.3
	VOR: ABQ	Available from N 35° 20' 48.56" W 106° 42' 33.93" to N 35° 13' 22.31" W 106° 36' 0.27"	
	VOR: SAF	Available from N 35° 20' 48.56" W 106° 42' 33.93" to N 35° 13' 22.31" W 106° 36' 0.27"	
	VOR: OTO	Available from N 35° 16' 27.95" W 106° 42' 35.83" to N 35° 13' 22.31" W 106° 36' 0.27"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV: Bearing [True]: 363.0° to 18.0° Bearing [Mag]: 350.0° to 5.0°			Arc Distance: Out to 86.0 NM Altitude: 12000.0 to 21000.0 Ft.		
2	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	5445.0	117.80	ACH	Used
		ESV: Bearing [True]: 285.0° to 300.0° Bearing [Mag]: 273.0° to 288.0°			Arc Distance: Out to 86.0 NM Altitude: 12500.0 to 21000.0 Ft.		
		ESV: Bearing [True]: 291.0° to 332.0° Bearing [Mag]: 279.0° to 320.0°			Arc Distance: Out to 74.0 NM Altitude: 13100.0 to 20000.0 Ft.		
3	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H	5823.1	115.30	RSK	Not Used
		ESV: Bearing [True]: 90.0° to 122.0° Bearing [Mag]: 76.0° to 108.0°			Arc Distance: Out to 100.0 NM Altitude: 19900.0 to 22000.0 Ft.		
4	ALS	N 37° 20' 56.97" W 105° 48' 55.93" E 13	H	7535.0	113.90	ALS	Not Used
		Restriction: Bearing [True]: 38.0° to 58.0° Bearing [Mag]: 25.0° to 45.0°			Distance: Beyond 25.0 NM Altitude: Below 15900.0 Ft.		
		Restriction: Bearing [True]: 163.0° to 193.0° Bearing [Mag]: 150.0° to 180.0°			Distance: Beyond 35.0 NM Altitude: Below 11600.0 Ft.		
		ESV: Bearing [True]: 193.0° to 206.0° Bearing [Mag]: 180.0° to 193.0°			Arc Distance: Out to 79.0 NM Altitude: 19900.0 to 24000.0 Ft.		
5	DRO	N 37° 9' 11.71" W 107° 44' 58.62" E 14	L	6660.0	108.20	DRO	Not Used
		Restriction: Bearing [True]: 84.0° to 104.0° Bearing [Mag]: 70.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 12500.0 Ft.		
		Restriction: Bearing [True]: 154.0° to 199.0° Bearing [Mag]: 140.0° to 185.0°			Distance: Beyond 25.0 NM Altitude: Below 13000.0 Ft.		
		ESV: Bearing [True]: 110.0° to 120.0° Bearing [Mag]: 96.0° to 106.0°			Arc Distance: Out to 89.0 NM Altitude: 20000.0 to 26000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

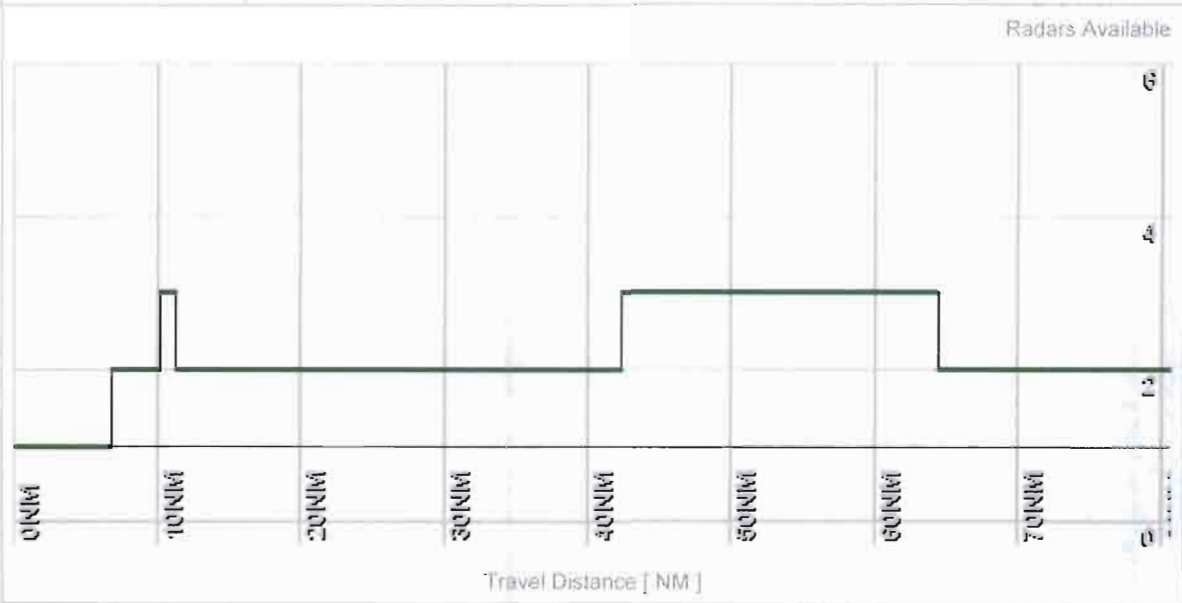
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
6	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L	7860.0	117.60	TAS	Used

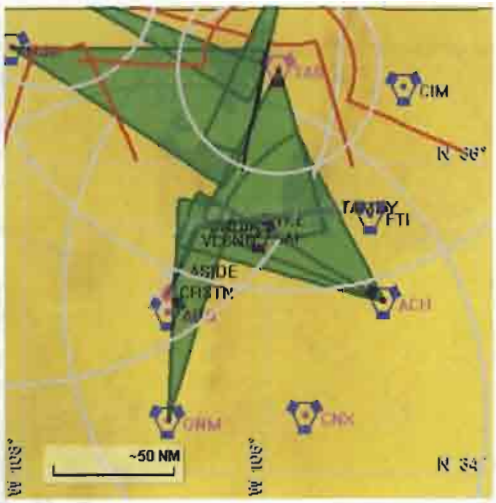
Restriction:	Bearing [True]: 33.0° to 113.0° Bearing [Mag]: 20.0° to 100.0°	Distance: Beyond 30.0 NM Altitude: Below 18000.0 Ft.
Restriction:	Bearing [True]: 273.0° to 343.0° Bearing [Mag]: 260.0° to 330.0°	Distance: Beyond 30.0 NM Altitude: Below 17000.0 Ft.
ESV:	Bearing [True]: 163.0° to 208.0° Bearing [Mag]: 150.0° to 195.0°	Arc Distance: Out to 65.0 NM Altitude: 13100.0 to 26000.0 Ft.

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Output File:	SNDIA STAR TAMEY CRSTN 20120420_1047
Procedure Name:	SNDIA
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/20/2012 10:47:53 AM
Input File:	KABQ SNDIA STAR TAMEY CRSTN 20120420_1040.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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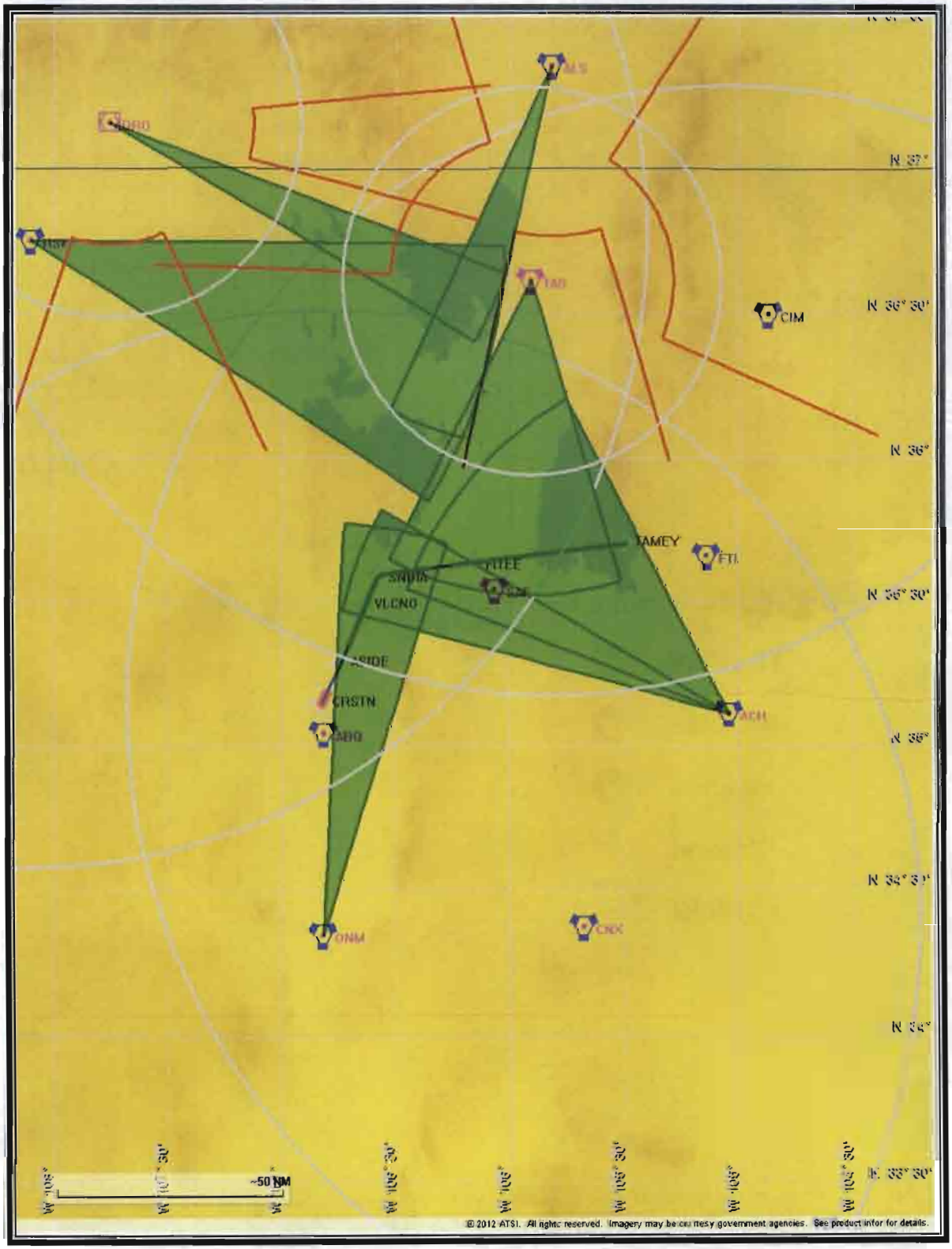

CIM
TAMEY
FTI
VLCNO
CRSTN
ACH
ONM
~50 NM

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
TAMEY	WP	N 35° 42' 6.23" W 105° 29' 35.55"	15000.0	Step	280.0	Fly By	TF
FITEE	WP	N 35° 38' 15.53" W 106° 9' 2.12"	15000.0	Step	270.0	Fly By	TF
SNDIA	WP	N 35° 35' 37.42" W 106° 34' 35.33"	13100.0	Step	210.0	Fly By	TF
VLCNO	WP	N 35° 29' 11.26" W 106° 38' 3.36"	9800.0	Step	250.0	Fly By	TF
ASIDE	WP	N 35° 17' 20.12" W 106° 44' 25.88"	9400.0	Step	250.0	Fly By	TF
CRSTN	WP	N 35° 9' 2.90" W 106° 49' 31.21"	8500.0	Step	210.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** 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
Entire track is fly-able	

DME/DME

Return To Summary

Settings:

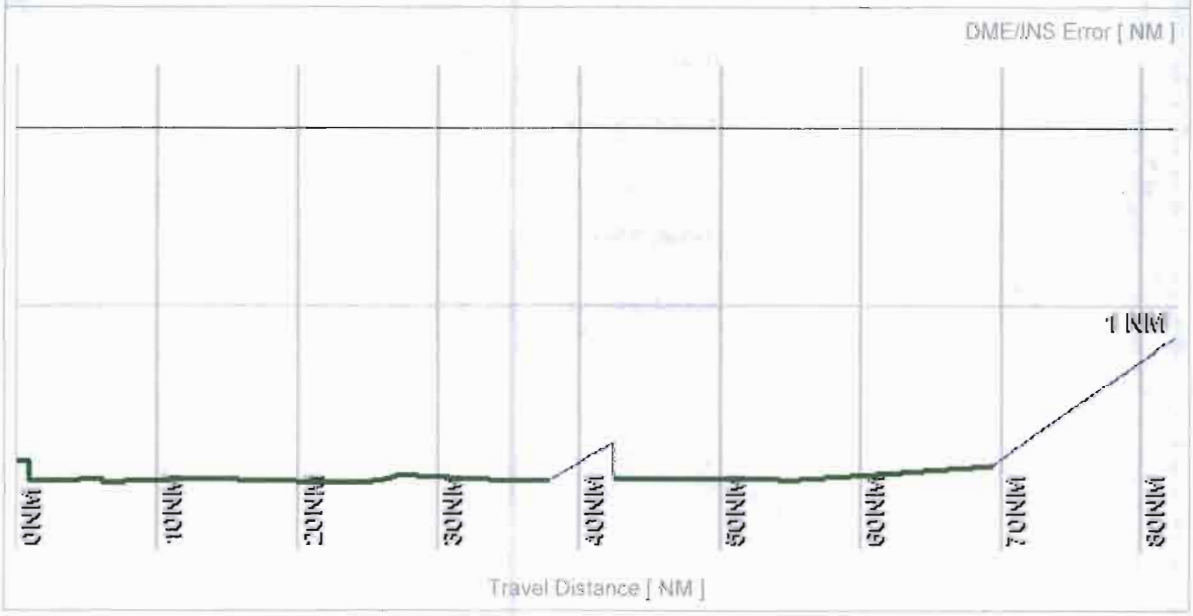
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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
Automatic ESVs: Enabled w/ limit Alt/Distance (Reduce Criticals)

Total Number of DMEs Used: 6

Maximum DME Error: 0.871 NM.

1 Critical DME was found.

Available DMEs: ACH, FTI, SAF, TAS, ONM, ABQ



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H + ESV	User	NO	0.871	Enabled	36.7 %	38.8 %
2	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H	Database	NO	0.871	Enabled	1.0 %	1.0 %
3	SAF	N 35° 32' 25.95" W 106° 3' 53.81" E 13	L	Database	YES	**Drift Time**	Enabled	63.2 %	64.3 %
4	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L + ESV	User	NO	0.871	Enabled	18.9 %	20.1 %
5	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	NO	0.871	Enabled	15.1 %	16.0 %
6	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	Database	NO	1.341	Enabled	18.1 %	16.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ACH	FTI	SAF	TAS		
32.3	ACH	ONM	SAF	TAS	ABQ	
52.1	ABQ	ONM	SAF			
60.2	ABQ	SAF				
72.9	ABQ					

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 35° 37' 35.17" W 106° 15' 39.34"	N 35° 37' 0.19" W 106° 21' 20.11"	4.7
	VOR: OTO	Available from N 35° 37' 35.17" W 106° 15' 39.34" to N 35° 37' 0.19" W 106° 21' 20.11"	
	VOR: SAF	Available from N 35° 37' 35.17" W 106° 15' 39.34" to N 35° 37' 0.19" W 106° 21' 20.11"	
2	N 35° 20' 48.56" W 106° 42' 33.93"	N 35° 9' 2.93" W 106° 49' 31.19"	13.1
	VOR: ABQ	Available from N 35° 20' 48.56" W 106° 42' 33.93" to N 35° 9' 2.93" W 106° 49' 31.19"	
	VOR: SAF	Available from N 35° 20' 48.56" W 106° 42' 33.93" to N 35° 13' 22.31" W 106° 46' 51.95"	

DME/DME (Continued.)

Return To Summary

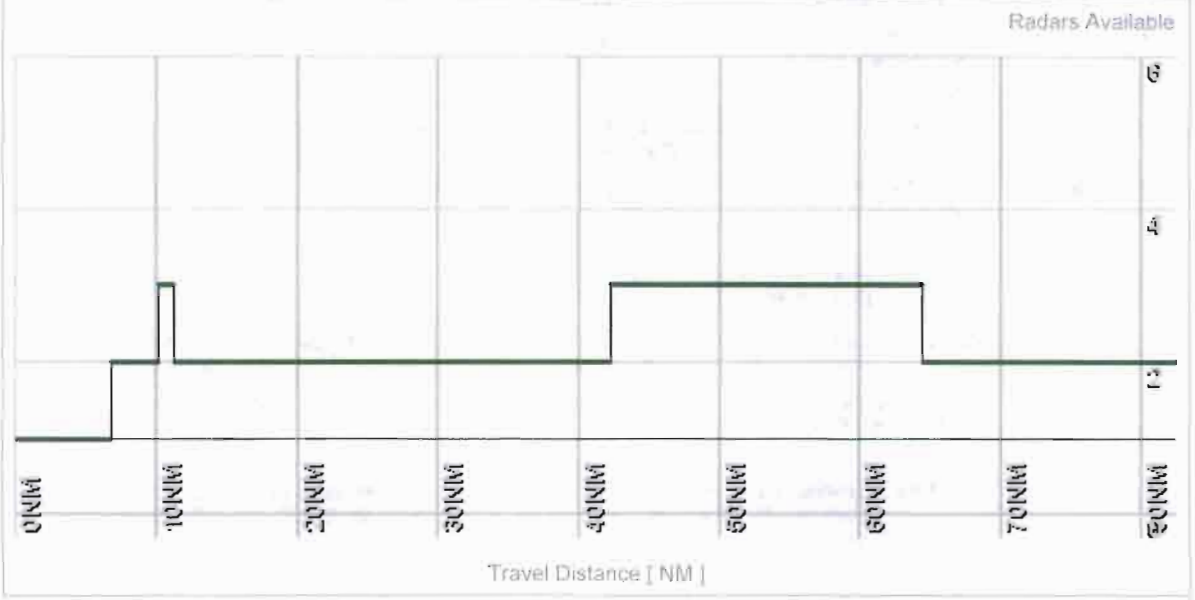
User DMEs

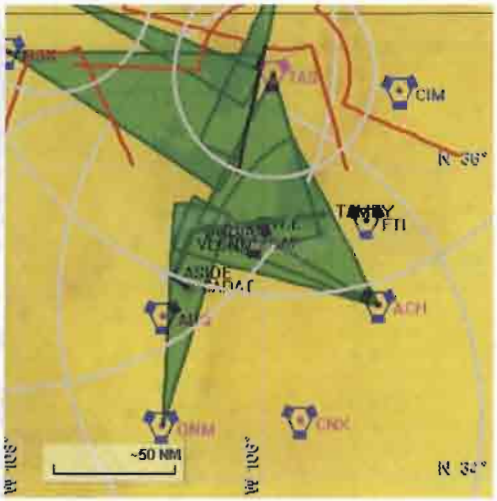
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV:	Bearing [True]: 363.0° to 18.0° Bearing [Mag]: 350.0° to 5.0°		Arc Distance: Out to 86.0 NM Altitude: 12000.0 to 21000.0 Ft.		
2	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	5445.0	117.80	ACH	Used
		ESV:	Bearing [True]: 285.0° to 300.0° Bearing [Mag]: 273.0° to 288.0°		Arc Distance: Out to 86.0 NM Altitude: 12500.0 to 21000.0 Ft.		
		Auto ESV:	Bearing [True]: 291.0° to 332.0° Bearing [Mag]: 279.0° to 320.0°		Arc Distance: Out to 74.0 NM Altitude: 13100.0 to 20000.0 Ft.		
3	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H	5823.1	115.30	RSK	Not Used
		ESV:	Bearing [True]: 90.0° to 122.0° Bearing [Mag]: 76.0° to 108.0°		Arc Distance: Out to 100.0 NM Altitude: 19900.0 to 22000.0 Ft.		
4	ALS	N 37° 20' 56.97" W 105° 48' 55.93" E 13	H	7535.0	113.90	ALS	Not Used
		Restriction:	Bearing [True]: 38.0° to 58.0° Bearing [Mag]: 25.0° to 45.0°		Distance: Beyond 25.0 NM Altitude: Below 15900.0 Ft.		
		Restriction:	Bearing [True]: 163.0° to 193.0° Bearing [Mag]: 150.0° to 180.0°		Distance: Beyond 35.0 NM Altitude: Below 11600.0 Ft.		
		ESV:	Bearing [True]: 193.0° to 206.0° Bearing [Mag]: 180.0° to 193.0°		Arc Distance: Out to 79.0 NM Altitude: 19900.0 to 24000.0 Ft.		
5	DRO	N 37° 9' 11.71" W 107° 44' 58.62" E 14	L	6660.0	108.20	DRO	Not Used
		Restriction:	Bearing [True]: 84.0° to 104.0° Bearing [Mag]: 70.0° to 90.0°		Distance: Beyond 30.0 NM Altitude: Below 12500.0 Ft.		
		Restriction:	Bearing [True]: 154.0° to 199.0° Bearing [Mag]: 140.0° to 185.0°		Distance: Beyond 25.0 NM Altitude: Below 13000.0 Ft.		
		ESV:	Bearing [True]: 110.0° to 120.0° Bearing [Mag]: 96.0° to 106.0°		Arc Distance: Out to 89.0 NM Altitude: 20000.0 to 26000.0 Ft.		
6	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L	7860.0	117.60	TAS	Used
		Restriction:	Bearing [True]: 33.0° to 113.0° Bearing [Mag]: 20.0° to 100.0°		Distance: Beyond 30.0 NM Altitude: Below 18000.0 Ft.		
		Restriction:	Bearing [True]: 273.0° to 343.0° Bearing [Mag]: 260.0° to 330.0°		Distance: Beyond 30.0 NM Altitude: Below 17000.0 Ft.		
		Auto ESV:	Bearing [True]: 163.0° to 208.0° Bearing [Mag]: 150.0° to 195.0°		Arc Distance: Out to 65.0 NM Altitude: 13100.0 to 26000.0 Ft.		

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Output File:	SNDIA STAR TAMEY CADAT 20120420_1106
Procedure Name:	SNDIA
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/20/2012 11:06:48 AM
Input File:	KAEG SNDIA STAR TAMEY CADAT 20120420_1101.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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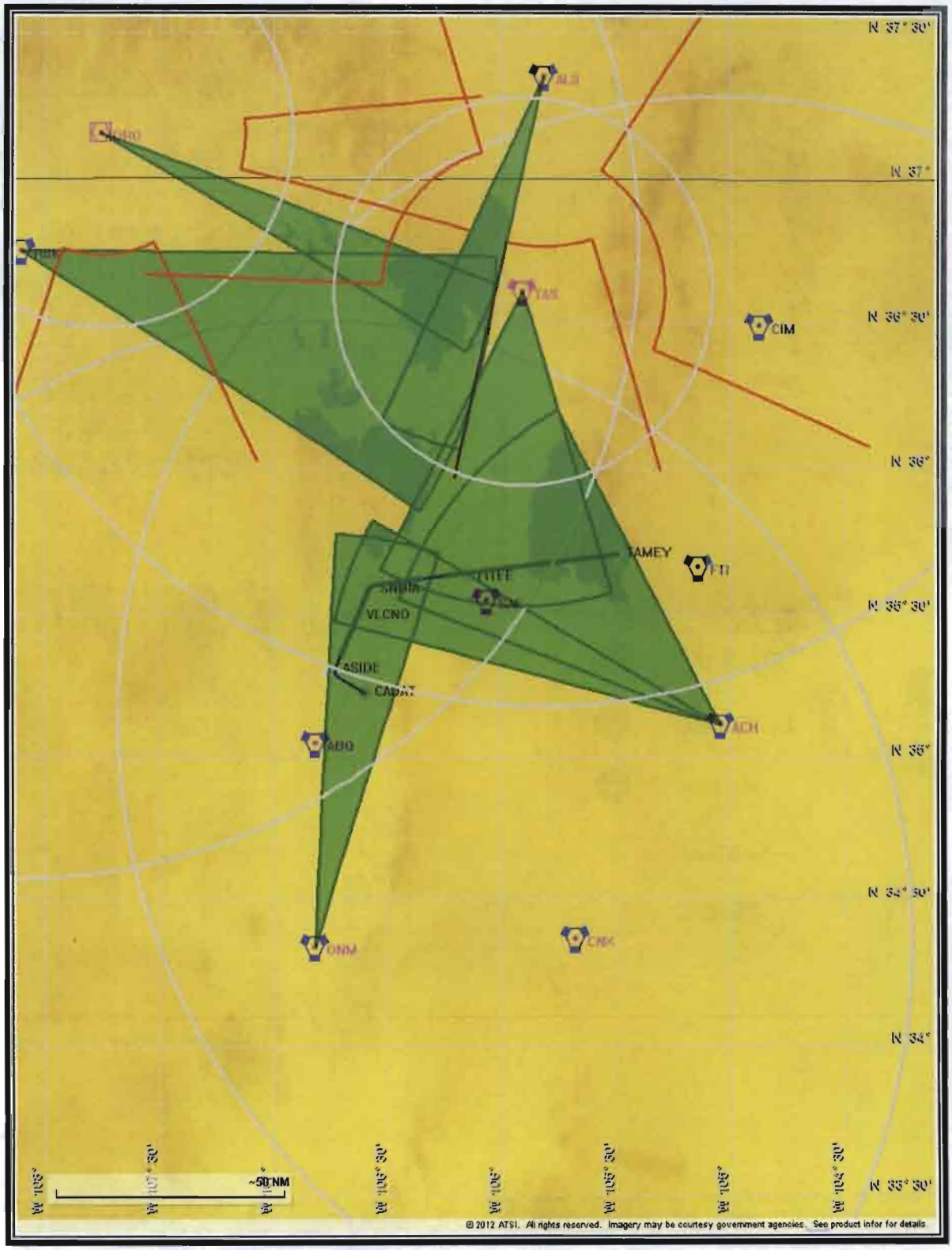
N 37° 30'
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W 105°
W 104° 30'
~50 NM
TAMEY
VLCND
ASIDE
CADAT
ABQ
ONM
CIM
ALB
TAS
ACH
CRK
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
TAMEY	WP	N 35° 42' 6.23" W 105° 29' 35.55"	15000.0	Step	280.0	Fly By	TF
FITEE	WP	N 35° 38' 15.53" W 106° 9' 2.12"	15000.0	Step	270.0	Fly By	TF
SNDIA	WP	N 35° 35' 37.42" W 106° 34' 35.33"	13100.0	Step	210.0	Fly By	TF
VLCNO	WP	N 35° 29' 11.26" W 106° 38' 3.36"	9800.0	Step	250.0	Fly By	TF
ASIDE	WP	N 35° 17' 20.12" W 106° 44' 25.88"	9400.0	Step	250.0	Fly By	TF
CADAT	WP	N 35° 13' 20.76" W 106° 35' 56.92"	8300.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:	**Flight Type:** Arrival **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** 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

Entire track is fly-able

DME/DME

Return To Summary

Settings:

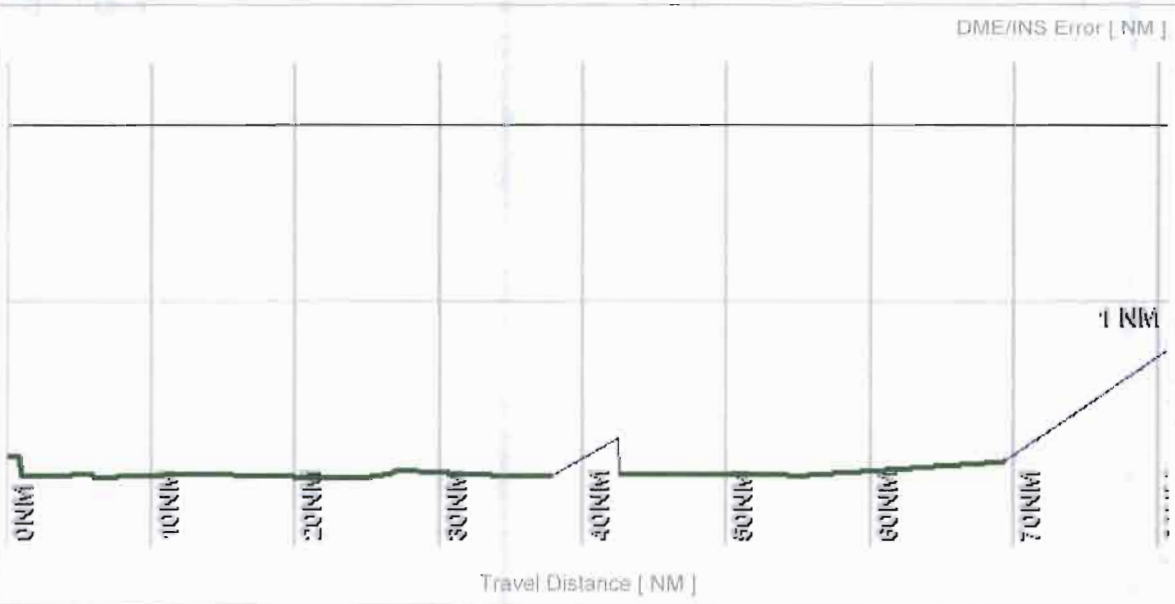
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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

Total Number of DMEs Used: 6

Maximum DME Error: 0.800 NM.

1 Critical DME was found.

Available DMEs: ACH, FTI, SAF, TAS, ONM, ABQ



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H + ESV	User	NO	0.800	Enabled	37.5 %	39.5 %
2	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H	Database	NO	0.800	Enabled	1.0 %	1.0 %
3	SAF	N 35° 32' 25.95" W 106° 3' 53.81" E 13	L	Database	YES	**Drift Time**	Enabled	64.8 %	65.7 %
4	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L + ESV	User	NO	0.820	Enabled	19.6 %	20.7 %
5	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	NO	0.800	Enabled	15.5 %	16.4 %
6	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	Database	NO	1.270	Enabled	18.6 %	16.9 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ACH	FTI	SAF	TAS		
32.3	ACH	ONM	SAF	TAS	ABQ	
52.1	ABQ	ONM	SAF			
60.2	ABQ	SAF				
71.7	ABQ					

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 35° 37' 35.17" W 106° 15' 39.34"	N 35° 37' 0.19" W 106° 21' 20.11"	4.7
	VOR: OTO	Available from N 35° 37' 35.17" W 106° 15' 39.34" to N 35° 37' 0.19" W 106° 21' 20.11"	
	VOR: SAF	Available from N 35° 37' 35.17" W 106° 15' 39.34" to N 35° 37' 0.19" W 106° 21' 20.11"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 35° 20' 48.56" W 106° 42' 33.93"	N 35° 13' 22.31" W 106° 36' 0.27"	11.3
	VOR: ABQ	Available from N 35° 20' 48.56" W 106° 42' 33.93" to N 35° 13' 22.31" W 106° 36' 0.27"	
	VOR: SAF	Available from N 35° 20' 48.56" W 106° 42' 33.93" to N 35° 13' 22.31" W 106° 36' 0.27"	
	VOR: OTO	Available from N 35° 16' 27.95" W 106° 42' 35.83" to N 35° 13' 22.31" W 106° 36' 0.27"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV:	Bearing [True]: 363.0° to 18.0° Bearing [Mag]: 350.0° to 5.0°		Arc Distance: Out to 86.0 NM Altitude: 12000.0 to 21000.0 Ft.		
2	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	5445.0	117.80	ACH	Used
		ESV:	Bearing [True]: 285.0° to 300.0° Bearing [Mag]: 273.0° to 288.0°		Arc Distance: Out to 86.0 NM Altitude: 12500.0 to 21000.0 Ft.		
		ESV:	Bearing [True]: 291.0° to 332.0° Bearing [Mag]: 279.0° to 320.0°		Arc Distance: Out to 74.0 NM Altitude: 13100.0 to 20000.0 Ft.		
3	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H	5823.1	115.30	RSK	Not Used
		ESV:	Bearing [True]: 90.0° to 122.0° Bearing [Mag]: 76.0° to 108.0°		Arc Distance: Out to 100.0 NM Altitude: 19900.0 to 22000.0 Ft.		
4	ALS	N 37° 20' 56.97" W 105° 48' 55.93" E 13	H	7535.0	113.90	ALS	Not Used
		Restriction:	Bearing [True]: 38.0° to 58.0° Bearing [Mag]: 25.0° to 45.0°		Distance: Beyond 25.0 NM Altitude: Below 15900.0 Ft.		
		Restriction:	Bearing [True]: 163.0° to 193.0° Bearing [Mag]: 150.0° to 180.0°		Distance: Beyond 35.0 NM Altitude: Below 11600.0 Ft.		
		ESV:	Bearing [True]: 193.0° to 206.0° Bearing [Mag]: 180.0° to 193.0°		Arc Distance: Out to 79.0 NM Altitude: 19900.0 to 24000.0 Ft.		
5	DRO	N 37° 9' 11.71" W 107° 44' 58.62" E 14	L	6660.0	108.20	DRO	Not Used
		Restriction:	Bearing [True]: 84.0° to 104.0° Bearing [Mag]: 70.0° to 90.0°		Distance: Beyond 30.0 NM Altitude: Below 12500.0 Ft.		
		Restriction:	Bearing [True]: 154.0° to 199.0° Bearing [Mag]: 140.0° to 185.0°		Distance: Beyond 25.0 NM Altitude: Below 13000.0 Ft.		
		ESV:	Bearing [True]: 110.0° to 120.0° Bearing [Mag]: 96.0° to 106.0°		Arc Distance: Out to 89.0 NM Altitude: 20000.0 to 26000.0 Ft.		

DME/DME (Continued.)

Return To Summary

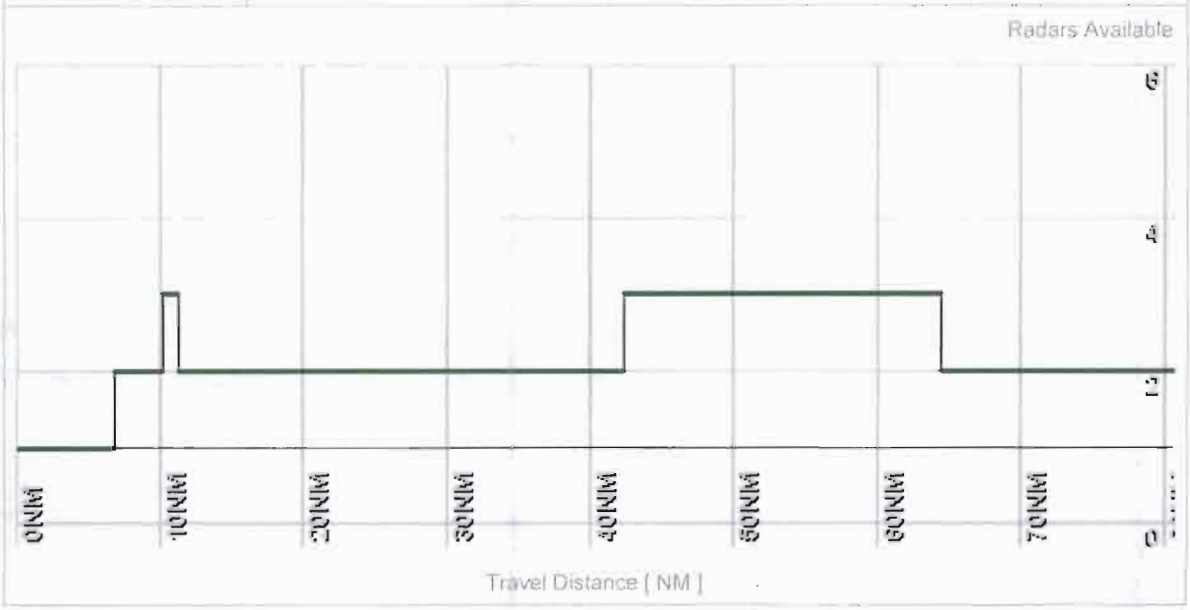
User DMEs (Continued.)

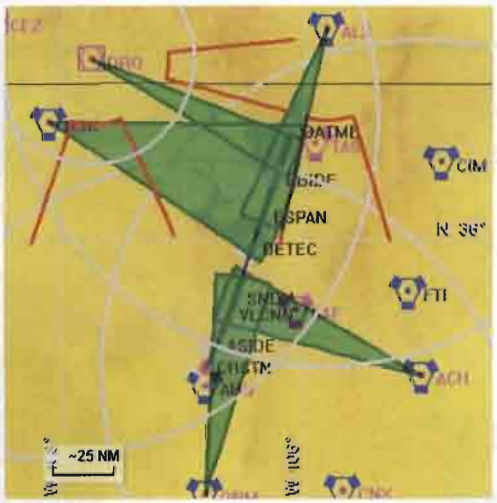
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
6	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L	7860.0	117.60	TAS	Used
	Restriction:	Bearing [True]: 33.0° to 113.0° Bearing [Mag]: 20.0° to 100.0°			Distance: Beyond 30.0 NM Altitude: Below 18000.0 Ft.		
	Restriction:	Bearing [True]: 273.0° to 343.0° Bearing [Mag]: 260.0° to 330.0°			Distance: Beyond 30.0 NM Altitude: Below 17000.0 Ft.		
	ESV:	Bearing [True]: 163.0° to 208.0° Bearing [Mag]: 150.0° to 195.0°			Arc Distance: Out to 65.0 NM Altitude: 13100.0 to 26000.0 Ft.		

Radar Analysis

Return To Summary

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





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Version:	2.36
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Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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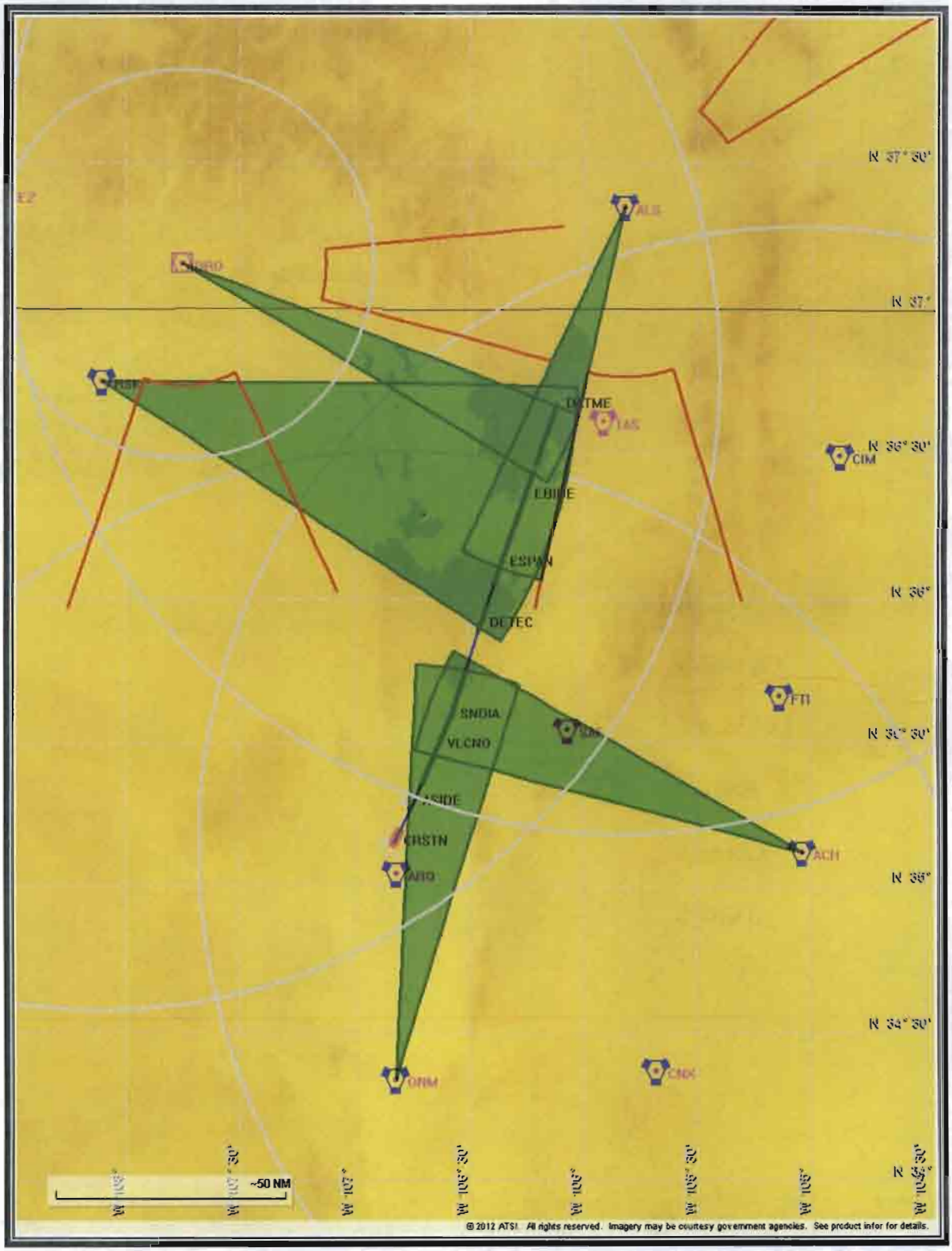
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ALS
LAS
CIM
FTI
ACH
ORM
CNX
DATME
LBIDE
ESPAN
DETEC
SNDIA
VLCNO
CRSTN
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
DATME	WP	N 36° 39' 51.15" W 106° 6' 56.76"	20000.0	Step	280.0	Fly By	TF
EBIDE	WP	N 36° 21' 20.25" W 106° 15' 11.63"	20000.0	Step	240.0	Fly By	TF
ESPAN	WP	N 36° 7' 11.35" W 106° 21' 25.34"	20000.0	Step	240.0	Fly By	TF
DETEC	WP	N 35° 54' 29.87" W 106° 26' 53.68"	20000.0	Step	270.0	Fly By	TF
SNDIA	WP	N 35° 35' 37.42" W 106° 34' 35.33"	13100.0	Step	210.0	Fly By	TF
VLCNO	WP	N 35° 29' 11.26" W 106° 38' 3.36"	9800.0	Step	250.0	Fly By	TF
ASIDE	WP	N 35° 17' 20.12" W 106° 44' 25.88"	9400.0	Step	250.0	Fly By	TF
CRSTN	WP	N 35° 9' 2.90" W 106° 49' 31.21"	8500.0	Step	210.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** 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
Entire track is fly-able	

DME/DME

Return To Summary

Settings:

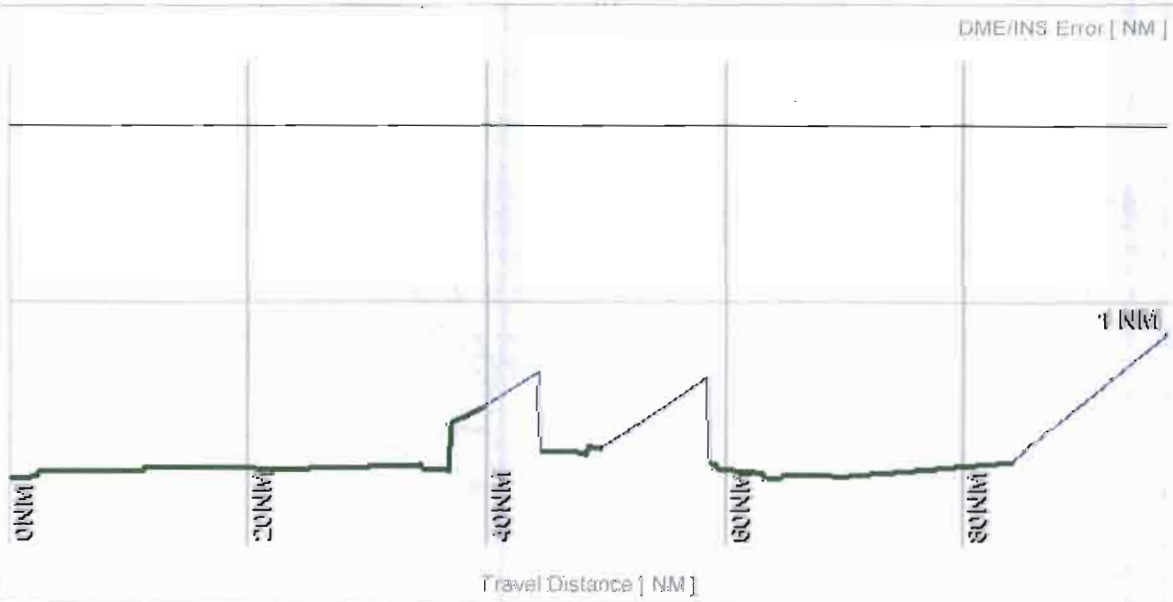
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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

Total Number of DMEs Used: 8

Maximum DME Error: 0.875 NM.

1 Critical DME was found.

Available DMEs: RSK, ALS, TAS, DRO, ACH, SAF, ONM, ABQ



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ALS	N 37° 20' 56.97" W 105° 48' 55.93" E 13	H + ESV	User	NO	0.875	Enabled	32.6 %	35.5 %
2	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L	Database	NO	0.875	Enabled	4.4 %	4.7 %
3	DRO	N 37° 9' 11.71" W 107° 44' 58.62" E 14	L + ESV	User	NO	0.875	Enabled	8.4 %	9.2 %
4	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H + ESV	User	NO	0.875	Enabled	27.4 %	30.0 %
5	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H + ESV	User	NO	0.875	Enabled	3.5 %	3.7 %
6	SAF	N 35° 32' 25.95" W 106° 3' 53.81" E 13	L	Database	YES	**1.769**	Enabled	31.1 %	29.4 %
7	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	NO	1.319	Enabled	15.2 %	15.7 %
8	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	Database	NO	1.350	Enabled	17.8 %	15.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ALS	RSK	TAS	DRO		
19.6	ALS	RSK	TAS	ACH		
34.6	SAF	RSK	TAS	ACH	ONM	ALS
48.0	SAF	ONM	ABQ	ACH		
67.6	SAF	ONM	ABQ			
75.0	SAF	ABQ				
87.7	ABQ					

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 36° 2' 35.75" W 106° 23' 24.51"	N 35° 57' 57.24" W 106° 25' 24.51"	4.9
	VOR: SAF	Available from N 36° 2' 35.75" W 106° 23' 24.51" to N 35° 57' 57.24" W 106° 25' 24.51"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 35° 53' 1.93" W 106° 27' 30.01"	N 35° 44' 29.21" W 106° 30' 59.17"	9.0
	VOR: SAF	Available from N 35° 53' 1.93" W 106° 27' 30.01" to N 35° 44' 29.21" W 106° 30' 59.17"	
3	N 35° 20' 55.95" W 106° 42' 30.05"	N 35° 9' 4.08" W 106° 49' 30.48"	13.2
	VOR: ABQ	Available from N 35° 20' 55.95" W 106° 42' 30.05" to N 35° 9' 4.08" W 106° 49' 30.48"	
	VOR: SAF	Available from N 35° 20' 55.95" W 106° 42' 30.05" to N 35° 13' 20.48" W 106° 46' 53.08"	

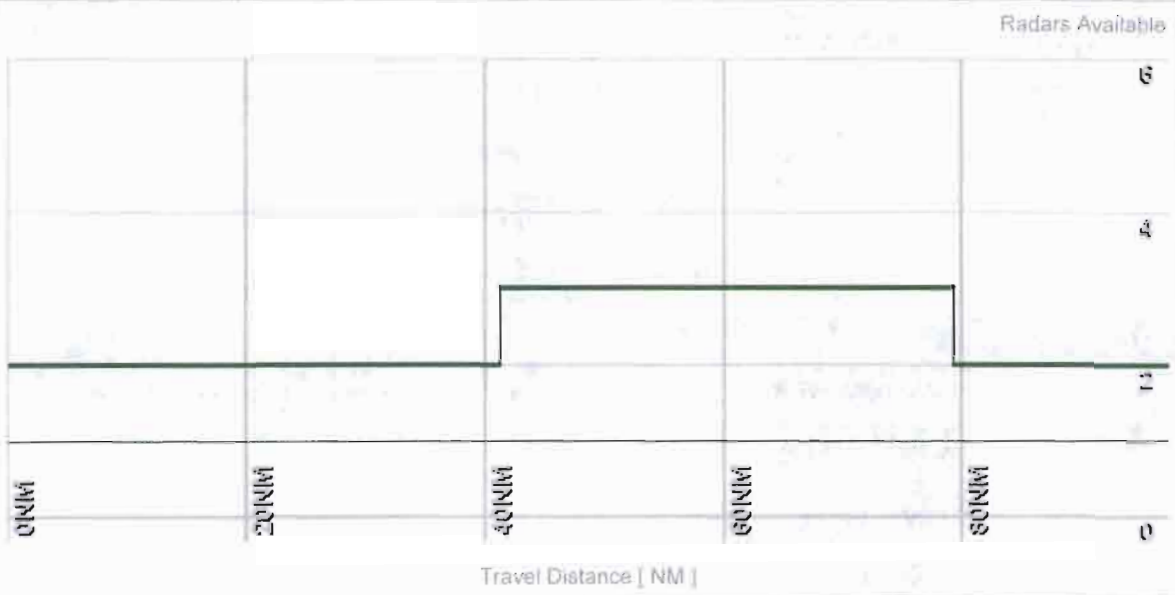
User DMEs

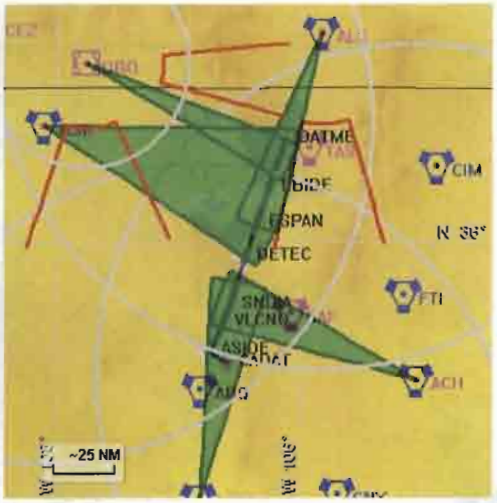
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV:	Bearing [True]: 363.0° to 18.0° Bearing [Mag]: 350.0° to 5.0°		Arc Distance: Out to 86.0 NM Altitude: 12000.0 to 21000.0 Ft.		
2	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	5445.0	117.80	ACH	Used
		ESV:	Bearing [True]: 285.0° to 300.0° Bearing [Mag]: 273.0° to 288.0°		Arc Distance: Out to 86.0 NM Altitude: 12500.0 to 21000.0 Ft.		
3	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H	5823.1	115.30	RSK	Used
		ESV:	Bearing [True]: 90.0° to 122.0° Bearing [Mag]: 76.0° to 108.0°		Arc Distance: Out to 100.0 NM Altitude: 19900.0 to 22000.0 Ft.		
4	ALS	N 37° 20' 56.97" W 105° 48' 55.93" E 13	H	7535.0	113.90	ALS	Used
		Restriction:	Bearing [True]: 38.0° to 58.0° Bearing [Mag]: 25.0° to 45.0°		Distance: Beyond 25.0 NM Altitude: Below 15900.0 Ft.		
		Restriction:	Bearing [True]: 163.0° to 193.0° Bearing [Mag]: 150.0° to 180.0°		Distance: Beyond 35.0 NM Altitude: Below 11600.0 Ft.		
		ESV:	Bearing [True]: 193.0° to 206.0° Bearing [Mag]: 180.0° to 193.0°		Arc Distance: Out to 79.0 NM Altitude: 19900.0 to 24000.0 Ft.		
5	DRO	N 37° 9' 11.71" W 107° 44' 58.62" E 14	L	6660.0	108.20	DRO	Used
		Restriction:	Bearing [True]: 84.0° to 104.0° Bearing [Mag]: 70.0° to 90.0°		Distance: Beyond 30.0 NM Altitude: Below 12500.0 Ft.		
		Restriction:	Bearing [True]: 154.0° to 199.0° Bearing [Mag]: 140.0° to 185.0°		Distance: Beyond 25.0 NM Altitude: Below 13000.0 Ft.		
		ESV:	Bearing [True]: 110.0° to 120.0° Bearing [Mag]: 96.0° to 106.0°		Arc Distance: Out to 89.0 NM Altitude: 20000.0 to 26000.0 Ft.		

Radar Analysis

Return To Summary

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





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Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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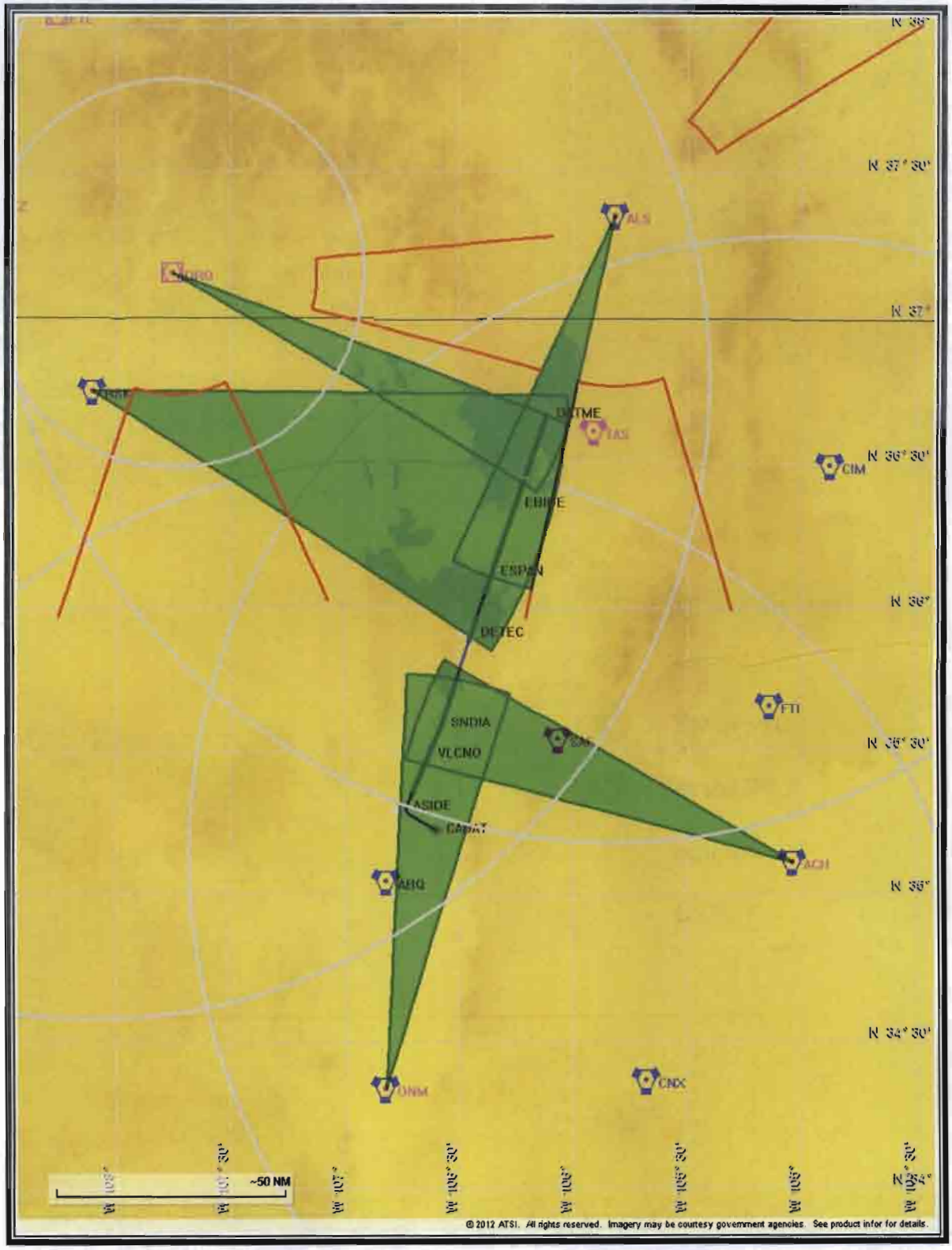
N 37° 30'
N 37°
N 36° 30'
N 36°
N 35° 30'
N 35°
N 34° 30'
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W 107° 30'
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W 104° 30'
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ALS
DATME
TAS
CIM
EHIDE
ESPAN
DETEC
FTI
SNDIA
VLCNO
ASIDE
CADAT
ACH
ABQ
ONM
CNX
~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
DATME	WP	N 36° 39' 51.15" W 106° 6' 56.76"	20000.0	Step	280.0	Fly By	TF
EBIDE	WP	N 36° 21' 20.25" W 106° 15' 11.63"	20000.0	Step	240.0	Fly By	TF
ESPAN	WP	N 36° 7' 11.35" W 106° 21' 25.34"	20000.0	Step	240.0	Fly By	TF
DETEC	WP	N 35° 54' 29.87" W 106° 26' 53.68"	20000.0	Step	270.0	Fly By	TF
SNDIA	WP	N 35° 35' 37.42" W 106° 34' 35.33"	13100.0	Step	210.0	Fly By	TF
VLCNO	WP	N 35° 29' 11.26" W 106° 38' 3.36"	9800.0	Step	250.0	Fly By	TF
ASIDE	WP	N 35° 17' 20.12" W 106° 44' 25.88"	9400.0	Step	250.0	Fly By	TF
CADAT	WP	N 35° 13' 20.76" W 106° 35' 56.92"	8300.0	Step	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	**Flight Type:** Arrival **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** 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	
Entire track is fly-able		

DME/DME

Return To Summary

Settings:

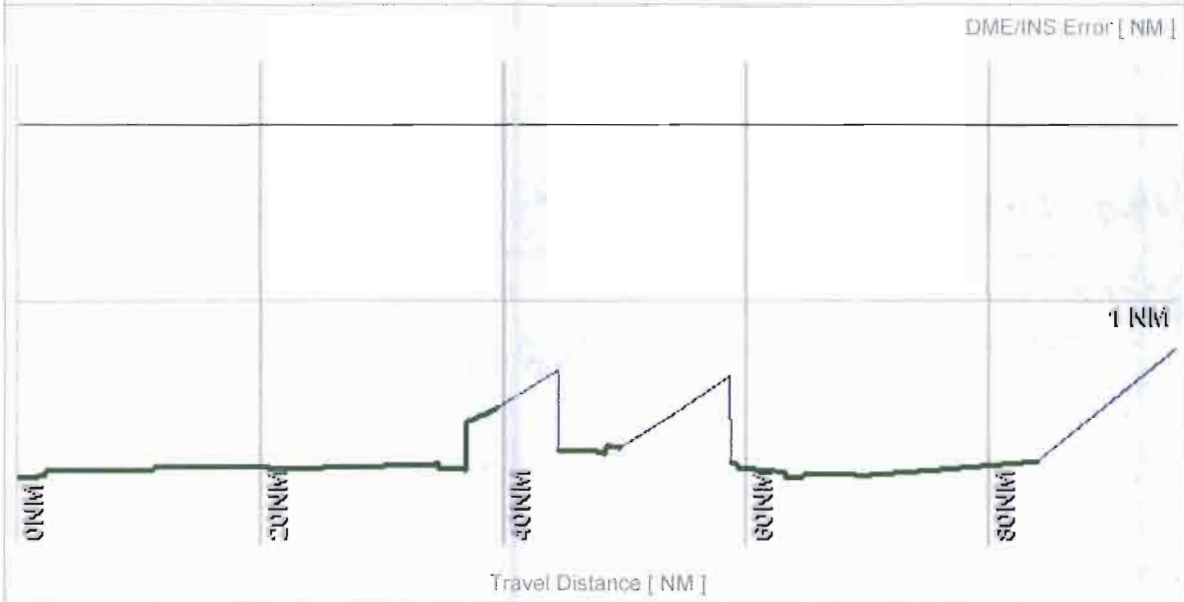
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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

Total Number of DMEs Used: 8

Maximum DME Error: 0.806 NM.

1 Critical DME was found.

Available DMEs: RSK, ALS, TAS, DRO, ACH, SAF, ONM, ABQ



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ALS	N 37° 20' 56.97" W 105° 48' 55.93" E 13	H + ESV	User	NO	0.806	Enabled	33.3 %	36.2 %
2	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L	Database	NO	0.806	Enabled	4.4 %	4.8 %
3	DRO	N 37° 9' 11.71" W 107° 44' 58.62" E 14	L + ESV	User	NO	0.806	Enabled	8.6 %	9.4 %
4	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H + ESV	User	NO	0.820	Enabled	28.0 %	30.5 %
5	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H + ESV	User	NO	0.806	Enabled	3.5 %	3.8 %
6	SAF	N 35° 32' 25.95" W 106° 3' 53.81" E 13	L	Database	YES	**Drift Time**	Enabled	31.8 %	29.9 %
7	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	NO	1.319	Enabled	15.5 %	16.0 %
8	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	Database	NO	1.281	Enabled	18.1 %	15.9 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ALS	RSK	TAS	DRO		
19.6	ALS	RSK	TAS	ACH		
34.6	SAF	RSK	TAS	ACH	ONM	ALS
48.0	SAF	ONM	ABQ	ACH		
67.6	SAF	ONM	ABQ			
75.0	SAF	ABQ				
86.5	ABQ					

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 36° 2' 35.75" W 106° 23' 24.51"	N 35° 57' 57.24" W 106° 25' 24.51"	4.9
	VOR: SAF	Available from N 36° 2' 35.75" W 106° 23' 24.51" to N 35° 57' 57.24" W 106° 25' 24.51"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 35° 53' 1.93" W 106° 27' 30.01"	N 35° 44' 29.21" W 106° 30' 59.17"	9.0
	VOR: SAF	Available from N 35° 53' 1.93" W 106° 27' 30.01" to N 35° 44' 29.21" W 106° 30' 59.17"	
3	N 35° 20' 55.95" W 106° 42' 30.05"	N 35° 13' 21.29" W 106° 35' 58.07"	11.4
	VOR: ABQ	Available from N 35° 20' 55.95" W 106° 42' 30.05" to N 35° 13' 21.29" W 106° 35' 58.07"	
	VOR: SAF	Available from N 35° 20' 55.95" W 106° 42' 30.05" to N 35° 13' 21.29" W 106° 35' 58.07"	
	VOR: OTO	Available from N 35° 16' 28.66" W 106° 42' 37.22" to N 35° 13' 21.29" W 106° 35' 58.07"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV: Bearing [True]: 363.0° to 18.0° Bearing [Mag]: 350.0° to 5.0°			Arc Distance: Out to 86.0 NM Altitude: 12000.0 to 21000.0 Ft.		
2	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	5445.0	117.80	ACH	Used
		ESV: Bearing [True]: 285.0° to 300.0° Bearing [Mag]: 273.0° to 288.0°			Arc Distance: Out to 86.0 NM Altitude: 12500.0 to 21000.0 Ft.		
3	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H	5823.1	115.30	RSK	Used
		ESV: Bearing [True]: 90.0° to 122.0° Bearing [Mag]: 76.0° to 108.0°			Arc Distance: Out to 100.0 NM Altitude: 19900.0 to 22000.0 Ft.		
4	ALS	N 37° 20' 56.97" W 105° 48' 55.93" E 13	H	7535.0	113.90	ALS	Used
		Restriction: Bearing [True]: 38.0° to 58.0° Bearing [Mag]: 25.0° to 45.0°			Distance: Beyond 25.0 NM Altitude: Below 15900.0 Ft.		
		Restriction: Bearing [True]: 163.0° to 193.0° Bearing [Mag]: 150.0° to 180.0°			Distance: Beyond 35.0 NM Altitude: Below 11600.0 Ft.		
		ESV: Bearing [True]: 193.0° to 206.0° Bearing [Mag]: 180.0° to 193.0°			Arc Distance: Out to 79.0 NM Altitude: 19900.0 to 24000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

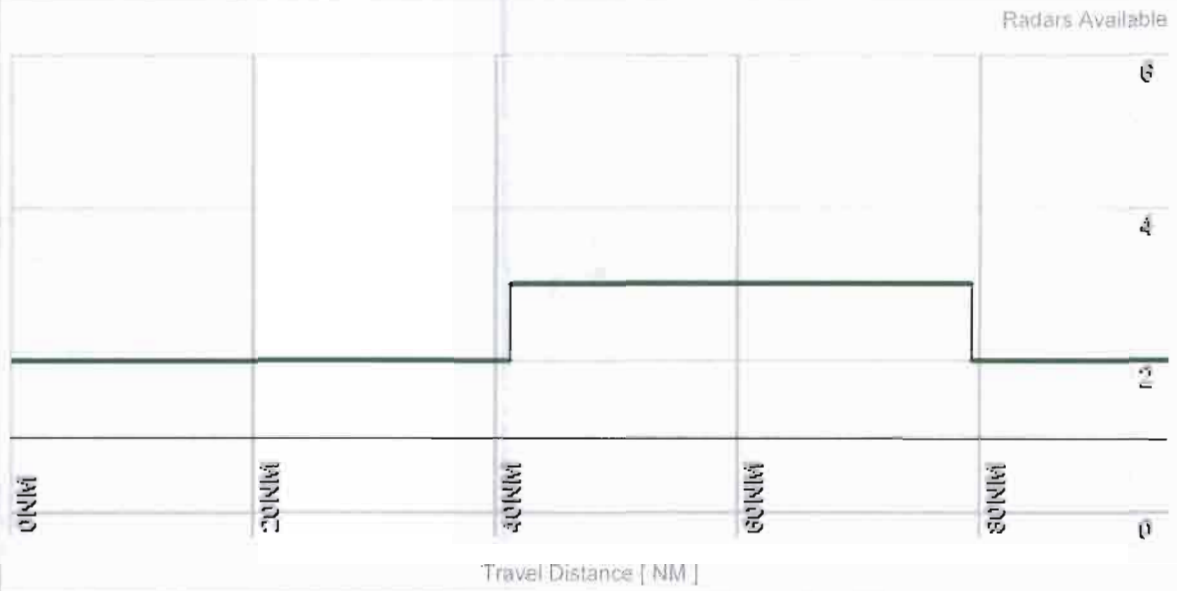
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	DRO	N 37° 9' 11.71" W 107° 44' 58.62" E 14	L	6660.0	108.20	DRO	Used

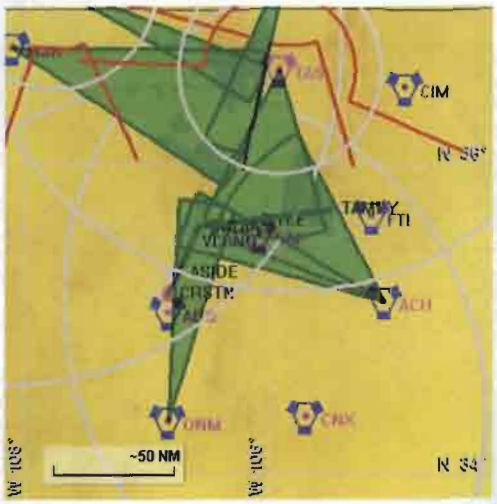
Restriction:	Bearing [True]: 84.0° to 104.0° Bearing [Mag]: 70.0° to 90.0°	Distance: Beyond 30.0 NM Altitude: Below 12500.0 Ft.
Restriction:	Bearing [True]: 154.0° to 199.0° Bearing [Mag]: 140.0° to 185.0°	Distance: Beyond 25.0 NM Altitude: Below 13000.0 Ft.
ESV:	Bearing [True]: 110.0° to 120.0° Bearing [Mag]: 96.0° to 106.0°	Arc Distance: Out to 89.0 NM Altitude: 20000.0 to 26000.0 Ft.

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Output File:	SNDIA STAR TAMEY CRSTN 20120420_1100
Procedure Name:	SNDIA
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/20/2012 11:00:50 AM
Input File:	KABQ SNDIA STAR TAMEY CRSTN 20120420_1049.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔
Radars	✔
Comms	?
TERPS	?

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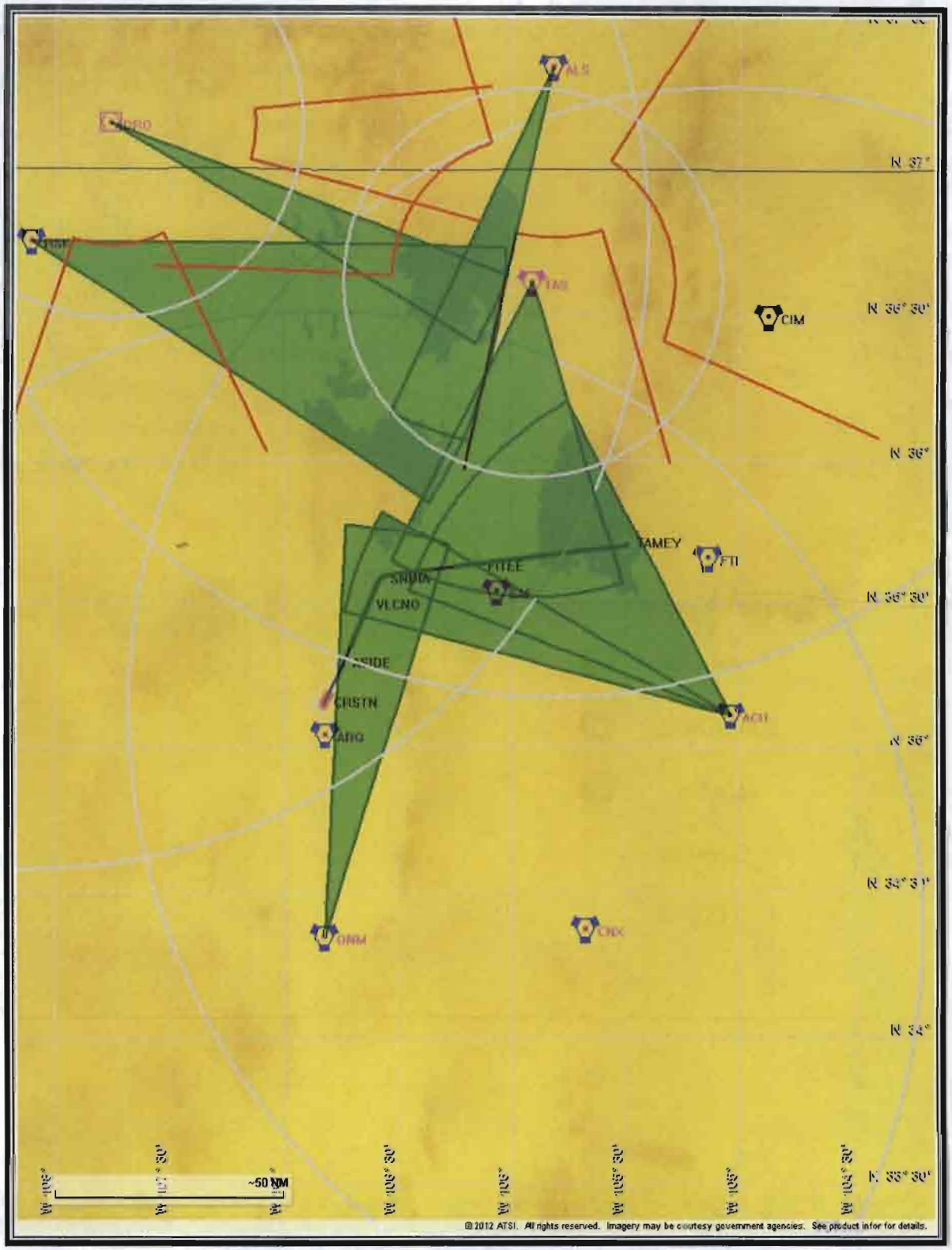
CIM
TAMEY
FTI
SNDIA
VLCNO
CRSTN
ARG
ACH
N 36° 30'
N 36°
N 35° 30'
N 34° 30'
N 34°
N 33° 30'
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
TAMEY	WP	N 35° 42' 6.23" W 105° 29' 35.55"	15000.0	Step	280.0	Fly By	TF
FITEE	WP	N 35° 38' 15.53" W 106° 9' 2.12"	15000.0	Step	270.0	Fly By	TF
SNDIA	WP	N 35° 35' 37.42" W 106° 34' 35.33"	13100.0	Step	210.0	Fly By	TF
VLCNO	WP	N 35° 29' 11.26" W 106° 38' 3.36"	9800.0	Step	250.0	Fly By	TF
ASIDE	WP	N 35° 17' 20.12" W 106° 44' 25.88"	9400.0	Step	250.0	Fly By	TF
CRSTN	WP	N 35° 9' 2.90" W 106° 49' 31.21"	8500.0	Step	210.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** 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
Entire track is fly-able	

DME/DME

Return To Summary

Settings:

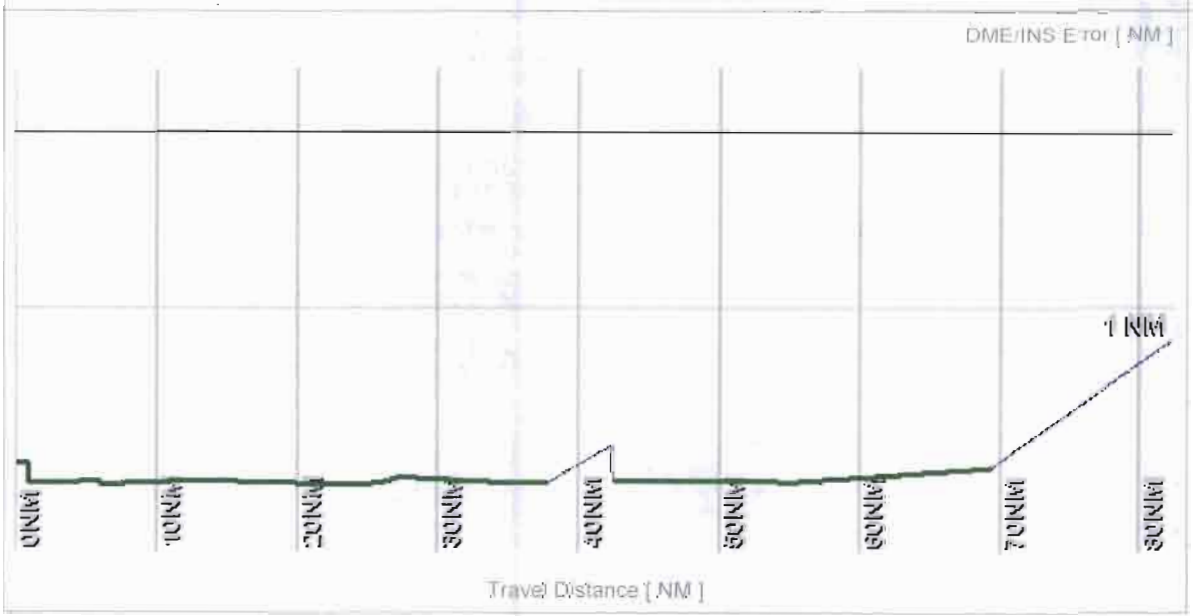
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: 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

Total Number of DMEs Used: 6

Maximum DME Error: 0.871 NM.

1 Critical DME was found.

Available DMEs: ACH, FTI, SAF, TAS, ONM, ABQ



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H + ESV	User	NO	0.871	Enabled	36.6 %	38.7 %
2	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H	Database	NO	0.871	Enabled	1.0 %	1.0 %
3	SAF	N 35° 32' 25.95" W 106° 3' 53.81" E 13	L	Database	YES	Drift Time	Enabled	63.2 %	64.3 %
4	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L + ESV	User	NO	0.871	Enabled	19.1 %	20.2 %
5	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	NO	0.871	Enabled	15.1 %	16.0 %
6	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	Database	NO	1.341	Enabled	18.1 %	16.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ACH	FTI	SAF	TAS		
32.3	ACH	ONM	SAF	TAS	ABQ	
52.1	ABQ	ONM	SAF			
60.2	ABQ	SAF				
72.9	ABQ					

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 35° 37' 35.17" W 106° 15' 39.34"	N 35° 37' 0.19" W 106° 21' 20.11"	4.7
	VOR: OTO	Available from N 35° 37' 35.17" W 106° 15' 39.34" to N 35° 37' 0.19" W 106° 21' 20.11"	
	VOR: SAF	Available from N 35° 37' 35.17" W 106° 15' 39.34" to N 35° 37' 0.19" W 106° 21' 20.11"	
2	N 35° 20' 48.56" W 106° 42' 33.93"	N 35° 9' 2.93" W 106° 49' 31.19"	13.1
	VOR: ABQ	Available from N 35° 20' 48.56" W 106° 42' 33.93" to N 35° 9' 2.93" W 106° 49' 31.19"	
	VOR: SAF	Available from N 35° 20' 48.56" W 106° 42' 33.93" to N 35° 13' 22.31" W 106° 46' 51.95"	

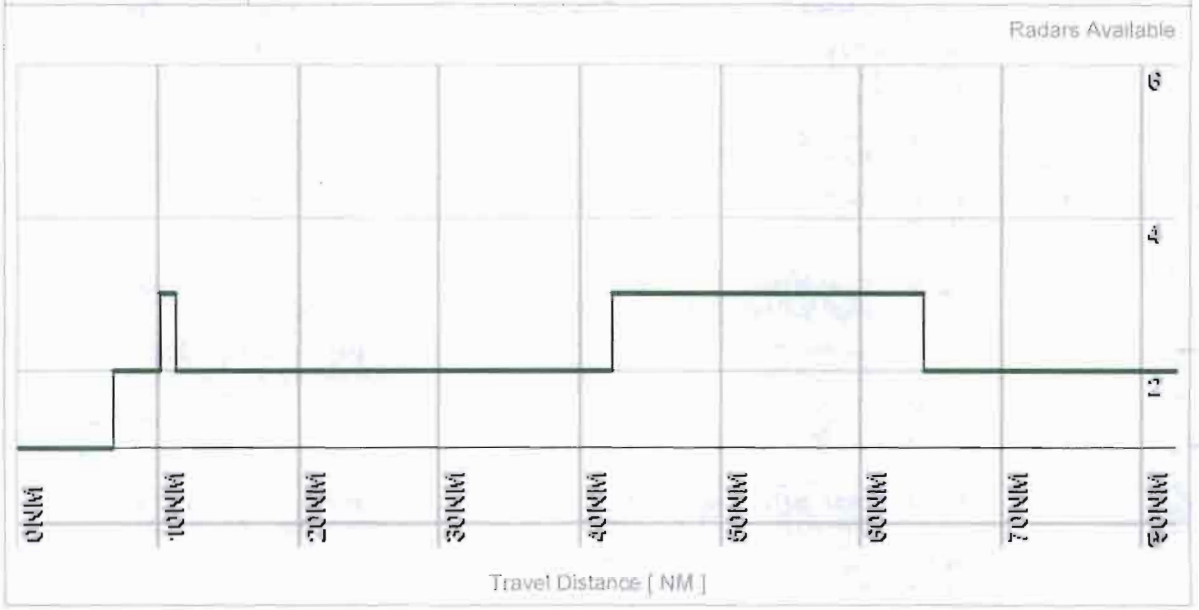
DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV:	Bearing [True]: 363.0° to 18.0° Bearing [Mag]: 350.0° to 5.0°		Arc Distance: Out to 86.0 NM Altitude: 12000.0 to 21000.0 Ft.		
2	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	5445.0	117.80	ACH	Used
		ESV:	Bearing [True]: 285.0° to 300.0° Bearing [Mag]: 273.0° to 288.0°		Arc Distance: Out to 86.0 NM Altitude: 12500.0 to 21000.0 Ft.		
		ESV:	Bearing [True]: 291.0° to 332.0° Bearing [Mag]: 279.0° to 320.0°		Arc Distance: Out to 74.0 NM Altitude: 13100.0 to 20000.0 Ft.		
3	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H	5823.1	115.30	RSK	Not Used
		ESV:	Bearing [True]: 90.0° to 122.0° Bearing [Mag]: 76.0° to 108.0°		Arc Distance: Out to 100.0 NM Altitude: 19900.0 to 22000.0 Ft.		
4	ALS	N 37° 20' 56.97" W 105° 48' 55.93" E 13	H	7535.0	113.90	ALS	Not Used
		Restriction:	Bearing [True]: 38.0° to 58.0° Bearing [Mag]: 25.0° to 45.0°		Distance: Beyond 25.0 NM Altitude: Below 15900.0 Ft.		
		Restriction:	Bearing [True]: 163.0° to 193.0° Bearing [Mag]: 150.0° to 180.0°		Distance: Beyond 35.0 NM Altitude: Below 11600.0 Ft.		
		ESV:	Bearing [True]: 193.0° to 206.0° Bearing [Mag]: 180.0° to 193.0°		Arc Distance: Out to 79.0 NM Altitude: 19900.0 to 24000.0 Ft.		
5	DRO	N 37° 9' 11.71" W 107° 44' 58.62" E 14	L	6660.0	108.20	DRO	Not Used
		Restriction:	Bearing [True]: 84.0° to 104.0° Bearing [Mag]: 70.0° to 90.0°		Distance: Beyond 30.0 NM Altitude: Below 12500.0 Ft.		
		Restriction:	Bearing [True]: 154.0° to 199.0° Bearing [Mag]: 140.0° to 185.0°		Distance: Beyond 25.0 NM Altitude: Below 13000.0 Ft.		
		ESV:	Bearing [True]: 110.0° to 120.0° Bearing [Mag]: 96.0° to 106.0°		Arc Distance: Out to 89.0 NM Altitude: 20000.0 to 26000.0 Ft.		
6	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L	7860.0	117.60	TAS	Used
		Restriction:	Bearing [True]: 33.0° to 113.0° Bearing [Mag]: 20.0° to 100.0°		Distance: Beyond 30.0 NM Altitude: Below 18000.0 Ft.		
		Restriction:	Bearing [True]: 273.0° to 343.0° Bearing [Mag]: 260.0° to 330.0°		Distance: Beyond 30.0 NM Altitude: Below 17000.0 Ft.		
		ESV:	Bearing [True]: 163.0° to 208.0° Bearing [Mag]: 150.0° to 195.0°		Arc Distance: Out to 65.0 NM Altitude: 13100.0 to 26000.0 Ft.		

Radar Analysis

Return To Summary

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