Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: SID	Date Open: 11/08/2010	Task #: 2010110825948116004	Request #: 20101108259481
Procedure: SID MNZNO (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 #: 1092552
Fac ID:	Fac. Type: Proc D	Specialist: BEV L BORDY			

Procedure Review

P1

DME / DME

ESV REQUEST INCLUDED

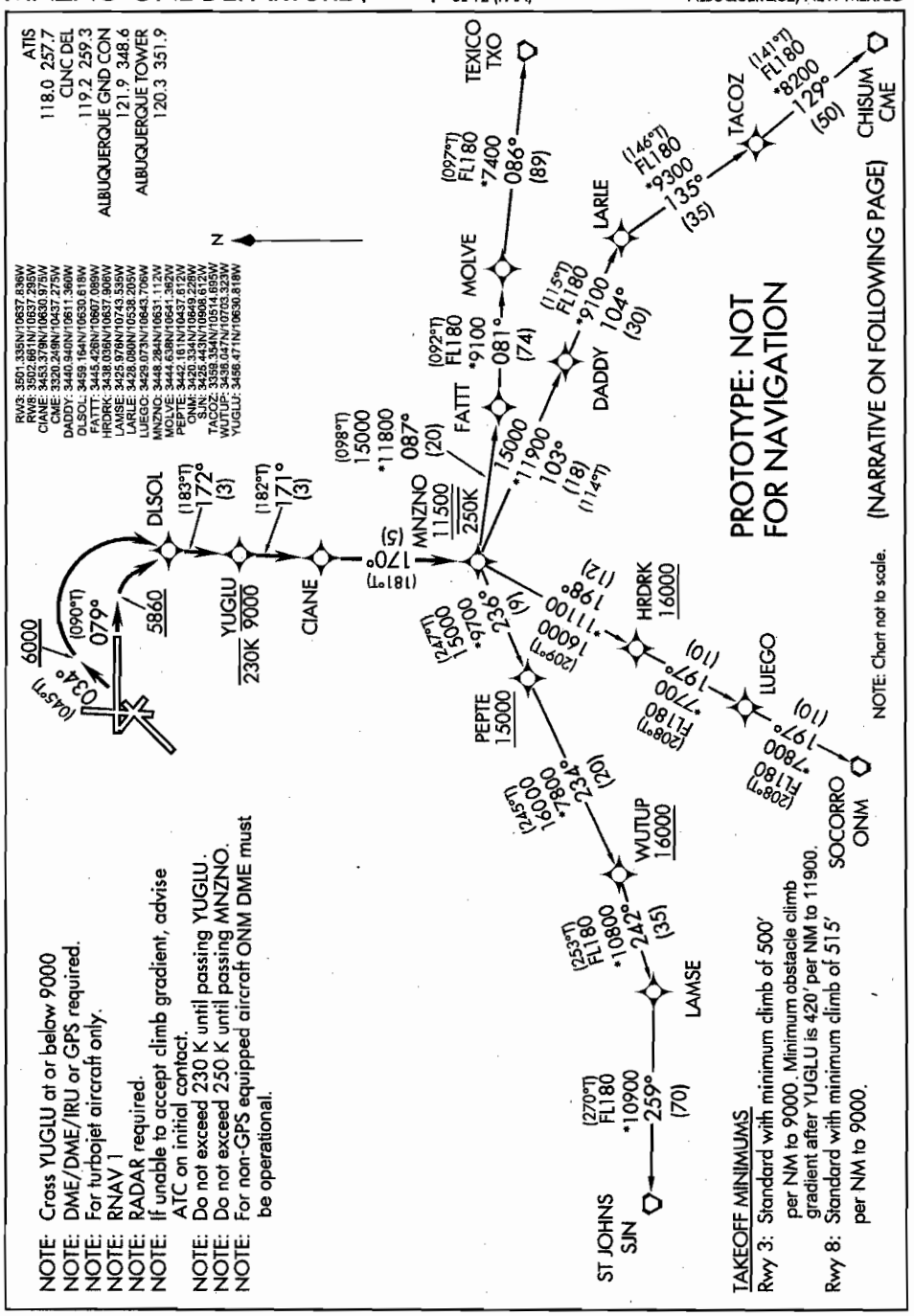
	Rec'd	Rel'd	Full Name	Comments
Lead:	05/07/2012	10/17/2012	DAVID DANNER	
QA:	08/15/2012	08/16/2012	STEVEN SZUKALA	
Liaison:	08/16/2012		Spurlin	RESUBMIT 10/17/12 - DME/DME - APPROVAL REQUEST - WAIVER

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

Pg 1 of 1

ALBUQUERQUE, NM ALBUQUERQUE INTL SUNPORT (KABQ) SID MNZNO (RNAV) ONE ENROUTE: YES FC: 11.13.12 PUB: 1.10.13

ATTACHED FORMS: ESV REPORTS; 8260-15B; 8260-15C; 8260-2(S): CHISUM (CME) VTAC, REV 17; CIANE, ORIG; DADDY, ORIG; DLSOL, ORIG; FATTT, ORIG; HRDRK, ORIG; LAMSE, ORIG; LARLE, ORIG; LUEGO, ORIG; MNZNO, ORIG; MOLVE, ORIG; PEPTE, ORIG; TACOZ, ORIG; TEXICO (TXO) VTAC, REV 9; WUTUP, ORIG; YUGLU, ORIG; (INFO ONLY) SAINT JOHNS (SJN) VTAC, REV 10; SOCORRO (ONM) VTAC, REV 2.
CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.


ATIS 118.0 257.7
CLNC DEL 119.2 259.3
ALBUQUERQUE GND CON 121.9 348.6
ALBUQUERQUE TOWER 120.3 351.9
RW3: 3501.335N/10637.836W
RW8: 3502.661N/10637.295W
CIANE: 3453.379N/10630.975W
CME: 3320.249N/10437.275W
DADDY: 3440.940N/10611.360W
DLSOL: 3459.164N/10630.618W
FATTT: 3445.428N/10607.089W
HRDRK: 3438.036N/10637.906W
LAMSE: 3425.978N/10743.535W
LARLE: 3428.080N/10538.205W
LUEGO: 3429.073N/10643.706W
MNZNO: 3448.284N/10631.112W
MOLVE: 3444.638N/10641.392W
PEPTE: 3427.131N/10647.870W
ONM: 3420.334N/10649.228W
SJN: 3425.443N/10908.612W
TACOZ: 3359.354N/10514.695W
WUTUP: 3436.047N/10703.323W
YUGLU: 3456.471N/10630.818W
N
6000
(045°T) 034°
(060°T) 079°
5860
DLSOL
(183°T) 172° (3)
YUGLU 230K 9000
(182°T) 171° (3)
CIANE
(181°T) 170° (5)
(098°T) 15000 *11800 087° (20)
MNZNO 11500 250K
(092°T) FL180 *9100 081° (74)
FATTT
MOLVE
(097°T) FL180 *7400 086° (89)
TEXICO TXO
15000 *11900 103° (18) (114°T)
DADDY
(115°T) FL180 *9100 104° (30)
LARLE
(146°T) FL180 *9300 135° (35)
TACOZ
(141°T) FL180 *8200 129° (50)
CHISUM CME
(247°T) 15000 *9700 239° (9)
PEPTE 15000
(209°T) 16000 *11100 198° (12)
HRDRK 16000
(208°T) FL180 *7700 197° (10)
LUEGO
(208°T) FL180 *7800 197° (10)
SOCORRO ONM
(247°T) 16000 *8800 234° (20)
WUTUP 16000
(253°T) FL180 *10800 242° (35)
LAMSE
(270°T) FL180 *10900 259° (70)
ST JOHNS SJN
PROTOTYPE: NOT FOR NAVIGATION
(NARRATIVE ON FOLLOWING PAGE)
NOTE: Chart not to scale.
NOTE: Cross YUGLU at or below 9000
NOTE: DME/DME/IRU or GPS required.
NOTE: For turbojet aircraft only.
NOTE: RNAV 1
NOTE: RADAR required.
NOTE: If unable to accept climb gradient, advise ATC on initial contact.
NOTE: Do not exceed 230 K until passing YUGLU.
NOTE: Do not exceed 250 K until passing MNZNO.
NOTE: For non-GPS equipped aircraft ONM DME must be operational.
TAKEOFF MINIMUMS
Rwy 3: Standard with minimum climb of 500' per NM to 9000. Minimum obstacle climb gradient after YUGLU is 420' per NM to 11900.
Rwy 8: Standard with minimum climb of 515' per NM to 9000.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb on heading 034° to 6000, then climbing right turn direct DLSOL, then on depicted route to cross MNZNO at or above 11500. Thence . . . .

TAKEOFF RUNWAY 8: Climb on heading 079° to 5860, then climbing right turn direct DLSOL, then on depicted route to cross MNZNO at or above 11500. Thence . . . .

. . . . on assigned transition. Expect further clearance to filed altitude within five minutes after departure.

CHISUM TRANSITION (MNZNO1.CME)
SOCORRO TRANSITION (MNZONO1.ONM)
ST JOHNS TRANSITION (MNZNO1.SJN)
TEXICO TRANSITION (MNZNO1.TXO)

TAKEOFF OBSTACLE NOTES

RWY 3: Tank 4961′ from DER, 1708′ left of centerline, 150′ AGL/5466′ MSL.
Water tower 4984′ from DER, 1713′ left of centerline, 156′ AGL/5468′ MSL.

PROTOTYPE-NOT FOR NAVIGATION

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ALBUQUERQUE	City : ALBUQUERQUE	Ident : ABQ	State : NM
Type/Class : TACR	Frequency : M1166	Reference No.: 12039771	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704131-033	303	15	82	99	220

Requirement: REQUIRED FOR NEW ATOMK RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-033	303	15	82	99	220	APPROVE

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

Signature: mai kimberly	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-033	303	15	82	99	220	APPROVE

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

Signature: Hughes Dennis	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-033	303	15				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ABQ	City : ALBUQUERQUE	Ident : ABQ	State : NM
Type/Class : TACR	Frequency : M1166	Reference No.: 12039784	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704131-034	55	241	117	57	240

Requirement: REQUIRED FOR NEW BOSQE RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-034	55	241	117	57	240	APPROVE

Requirement/Remarks: REQUIRED FOR NEW BOSQE RNAV SID FOR ABQRESTRICTED. INADEQUATE COVERAGE AT ALT (MIN)/(MAX)=

Signature: mai kimberly	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-034	55	241	117	160	240	RESTRICT

Requirement/Remarks: REQUIRED FOR NEW BOSQE RNAV SID FOR ABQRESTRICTED. INADEQUATE COVERAGE. MIN ALT FL=160

Signature: Hughes Dennis	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-034	55	241	117	160	240	RESTRICT

Requirement/Remarks: REQUIRED FOR NEW BOSQE RNAV SID FOR ABQRESTRICTED. INADEQUATE COVERAGE. MIN ALT FL=160

Signature: Hughes Dennis	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-034	55	241				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ALBUQUERQUE	City : ALBUQUERQUE	Ident : ABQ	State : NM
Type/Class : TACR	Frequency : M1166	Reference No.: 11086145	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704131-024	98	164	35	130	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/16/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-024	98	164	35	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-024	98	164	35	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-024	98	164				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ALBUQUERQUE	City : ALBUQUERQUE	Ident : ABQ	State : NM
Type/Class : TACR	Frequency : M1166	Reference No.: 11086167	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704131-025	27	67	29	100	290

Requirement: ESTABLISH AN ESV FOR THE RNAV SID FYSTA OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/17/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-025	27	67	29	100	290	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID FYSTA OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-025	27	67	29	100	290	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID FYSTA OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-025	27	67				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ALBUQUERQUE	City : ALBUQUERQUE	Ident : ABQ	State : NM
Type/Class : TACR	Frequency : M1166	Reference No.: 11086292	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704131-027	332	32	65	100	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID JEMEZ OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/25/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-027	332	32	65	100	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JEMEZ OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 08/26/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-027	332	32	65	100	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JEMEZ OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/29/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-027	332	32				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ALBUQUERQUE	City : ALBUQUERQUE	Ident : ABQ	State : NM
Type/Class : TACR	Frequency : M1166	Reference No.: 11086338	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704131-030	98	172	35	70	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/31/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-030	98	172	35	70	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/09/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-030	98	172	35	70	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/12/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-030	98	172				

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.: 12039773	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 870325-028	269	276	98	151	200

Requirement: REQUIRED FOR NEW ATOMK RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-028	269	276	98	151	200	APPROVE

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

Signature: mai kimberly	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-028	269	276	98	151	200	APPROVE

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

Signature: Hughes Dennis	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-028	269	276				

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.: 11086156	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 870325-017	98	223	115	130	300

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/17/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-017	98	223	115	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-017	98	223	115	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-017	98	223				

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.: 11086155	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 870325-016	227	258	100	130	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/17/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-016	227	258	100	131	250	RESTRICT

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-016	227	258	100	131	250	RESTRICT

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-016	227	258	100	131	250	RESTRICT

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Restricted. Inadequate Coverage at MIN ALT = FL 131

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-016	227	258	100	131	250	RESTRICT

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Restricted. Inadequate Coverage at MIN ALT = FL 131

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (FIFO)						
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-016	227	258				
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.: 11086331	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 870325-021	148	230	130	160	220

Requirement: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/31/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-021	148	230	130	160	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-021	148	230	130	160	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 870325-021	148	230				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : BOLES	City : ALAMOGORDO	Ident : BWS	State : NM
Type/Class : DME	Frequency : M994	Reference No.: 12039781	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 840279-011	323	330	108	170	240

Requirement: REQUIRED FOR NEW BOSQE RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 840279-011	323	330	108	170	240	APPROVE

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

Signature: Meza Michael	Routing Symbol:	Date: 03/15/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 840279-011	323	330	108	170	240	APPROVE

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

Signature: Hughes Dennis	Routing Symbol:	Date: 03/15/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 840279-011	323	330				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CHISUM	City : ROSWELL	Ident : CME	State : NM
Type/Class : TACR	Frequency : M1195	Reference No.: 11086164	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704229-018	360	43	130	160	220

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/17/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704229-018	360	43	130	160	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704229-018	360	43	130	160	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704229-018	360	43				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CHISUM	City : ROSWELL	Ident : CME	State : NM
Type/Class : TACR	Frequency : M1195	Reference No.: 11086153	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704229-015	298	320	110	130	300

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/16/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704229-015	298	320	110	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704229-015	298	320	110	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704229-015	298	320				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CHISUM	City : ROSWELL	Ident : CME	State : NM
Type/Class : TACR	Frequency : M1195	Reference No.: 11086159	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704229-016	321	42	115	130	300

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/17/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704229-016	321	42	115	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704229-016	321	42	115	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704229-016	321	42				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CHISUM	City : ROSWELL	Ident : CME	State : NM
Type/Class : TACR	Frequency : M1195	Reference No.: 11086161	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704229-017	290	42	115	130	300

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/17/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704229-017	290	42	115	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704229-017	290	42	115	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704229-017	290	42				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CORONA	City : CORONA	Ident : CNX	State : NM
Type/Class : TACR	Frequency : M1189	Reference No.: 12039772	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 850151-034	298	310	96	123	220

Requirement: REQUIRED FOR NEW ATOMK RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-034	298	310	96	123	220	APPROVE

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

Signature: Meza Michael	Routing Symbol:	Date: 03/13/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-034	298	310	96	123	220	APPROVE

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

Signature: Hughes Dennis	Routing Symbol:	Date: 03/13/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-034	298	310				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CORONA	City : CORONA	Ident : CNX	State : NM
Type/Class : TACR	Frequency : M1189	Reference No.: 12039779	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 850151-035	255	278	72	133	220

Requirement: REQUIRED FOR NEW BOSQE RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-035	255	278	72	133	220	APPROVE

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

Signature: Meza Michael	Routing Symbol:	Date: 03/13/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-035	255	278	72	133	220	APPROVE

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

Signature: Hughes Dennis	Routing Symbol:	Date: 03/13/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-035	255	278				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CORONA	City : CORONA	Ident : CNX	State : NM
Type/Class : TACR	Frequency : M1189	Reference No.: 11096361	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 850151-030	277	307	65	80	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 09/01/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-030	277	307	65	80	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-030	277	307	65	80	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-030	277	307				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CORONA	City : CORONA	Ident : CNX	State : NM
Type/Class : TACR	Frequency : M1189	Reference No.: 11086143	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 850151-023	77	133	65	130	300

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/16/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-023	77	133	65	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-023	77	133	65	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-023	77	133				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CORONA	City : CORONA	Ident : CNX	State : NM
Type/Class : TACR	Frequency : M1189	Reference No.: 11086160	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 850151-024	16	74	115	130	300

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/17/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-024	16	74	115	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-024	16	74	115	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-024	16	74				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CORONA	City : CORONA	Ident : CNX	State : NM
Type/Class : TACR	Frequency : M1189	Reference No.: 11096360	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 850151-029	109	238	75	140	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 09/01/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-029	109	238	75	140	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-029	109	238	75	140	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-029	109	238				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CORONA	City : CORONA	Ident : CNX	State : NM
Type/Class : TACR	Frequency : M1189	Reference No.: 11096361	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 850151-030	277	307	65	80	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 09/01/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-030	277	307	65	80	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-030	277	307	65	80	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-030	277	307				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CORONA	City : CORONA	Ident : CNX	State : NM
Type/Class : TACR	Frequency : M1189	Reference No.: 11096363	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 850151-031	262	296	70	115	230

Requirement: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 09/01/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-031	262	296	70	115	230	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-031	262	296	70	115	230	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-031	262	296				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : CORONA	City : CORONA	Ident : CNX	State : NM
Type/Class : TACR	Frequency : M1189	Reference No.: 11086333	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 850151-026	114	136	91	160	220

Requirement: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/31/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-026	114	136	91	160	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-026	114	136	91	160	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 850151-026	114	136				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : FORT UNION	City : FORT UNION	Ident : FTI	State : NM
Type/Class : TACR	Frequency : M1207	Reference No.: 11086141	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698227-014	203	231	105	130	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/16/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698227-014	203	231	105	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698227-014	203	231	105	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698227-014	203	231				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : FORT UNION	City : FORT UNION	Ident : FTI	State : NM
Type/Class : TACR	Frequency : M1207	Reference No.: 11086184	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698227-016	68	223	45	100	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID FYSTA OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/17/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698227-016	68	223	45	100	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID FYSTA OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698227-016	68	223	45	100	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID FYSTA OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698227-016	68	223				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : FORT UNION	City : FORT UNION	Ident : FTI	State : NM
Type/Class : TACR	Frequency : M1207	Reference No.: 11096370	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698227-023	128	194	85	160	220

Requirement: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 09/01/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698227-023	128	194	85	160	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/05/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698227-023	128	194	85	160	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/06/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698227-023	128	194				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : GALLUP	City : GALLUP	Ident : GUP	State : NM
Type/Class : TACR	Frequency : M1185	Reference No.: 11055244	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701369-010	4	53	97	100	300

Requirement: ESTABLISH AN ESV FOR THE RNAV SID ATOMC OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 05/09/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-010	4	53	97	150	300	RESTRICT

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID ATOMC OUT OF ABQRestricted. Inadequate Coverage at MIN ALT= FL 150

Signature: Meza Michael	Routing Symbol:	Date: 05/10/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-010	4	53	97	150	300	RESTRICT

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID ATOMC OUT OF ABQRestricted. Inadequate Coverage at MIN ALT= FL 150

Signature: Meza Michael	Routing Symbol:	Date: 05/10/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-010	4	53	97	120	300	RESTRICT

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID ATOMC OUT OF ABQRestricted. Inadequate Coverage at MIN ALT= FL 120

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 05/10/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-010	4	53	97	120	300	RESTRICT

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID ATOMC OUT OF ABQRestricted. Inadequate Coverage at MIN ALT= FL 120

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 05/10/2011

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : GALLUP	City : GALLUP	Ident : GUP	State : NM
Type/Class : TACR	Frequency : M1185	Reference No.: 12039769	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701369-017	92	100	75	170	220

Requirement: REQUIRED FOR NEW ADYOS RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-017	92	100	75	170	220	APPROVE

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

Signature: mai kimberly	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-017	92	100	75	170	220	APPROVE

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

Signature: Hughes Dennis	Routing Symbol:	Date: 03/12/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-017	92	100				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : GALLUP	City : GALLUP	Ident : GUP	State : NM
Type/Class : TACR	Frequency : M1185	Reference No.: 12039821	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701369-021	109	179	100	170	220

Requirement: REQUIRED FOR NEW JETOK RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-021	109	179	100	170	220	APPROVE

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

Signature: mai kimberly	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-021	109	179	100	170	220	APPROVE

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

Signature: Hughes Dennis	Routing Symbol:	Date: 03/12/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-021	109	179				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : GALLUP	City : GALLUP	Ident : GUP	State : NM
Type/Class : TACR	Frequency : M1185	Reference No.: 11086300	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701369-014	8	55	100	120	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID JEMEZ OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/25/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-014	8	55	100	120	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JEMEZ OUT OF ABQRestricted. Inadequate Coverage at ALT (min)=FLT145

Signature: mai kimberly	Routing Symbol:	Date: 08/26/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-014	8	55	100	120	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JEMEZ OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/29/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-014	8	55				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : GALLUP	City : GALLUP	Ident : GUP	State : NM
Type/Class : TACR	Frequency : M1185	Reference No.: 11086343	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701369-015	111	181	102	140	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/31/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-015	111	181	102	140	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-015	111	181	102	140	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-015	111	181				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : GALLUP	City : GALLUP	Ident : GUP	State : NM
Type/Class : TACR	Frequency : M1185	Reference No.: 11096408	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701369-016	105	197	58	130	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID RDRNR OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 09/08/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-016	105	197	58	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID RDRNR OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-016	105	197	58	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID RDRNR OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-016	105	197				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : HOBBS	City : HOBBS	Ident : HOB	State : NM
Type/Class : TACR	Frequency : M1008	Reference No.: 11086151	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 694305-019	281	305	125	130	300

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/16/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694305-019	281	305	125	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694305-019	281	305	125	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694305-019	281	305				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : HOBBS	City : HOBBS	Ident : HOB	State : NM
Type/Class : TACR	Frequency : M1008	Reference No.: 11096358	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 694305-020	283	302	105	100	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQ

Signature: Mallett Gary	Routing Symbol:	Date: 09/01/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694305-020	283	302	105	100	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/05/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694305-020	283	302	105	100	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/06/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694305-020	283	302				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : WINSLOW	City : WINSLOW	Ident : INW	State : AZ
Type/Class : TACR	Frequency : M1160	Reference No.: 11086345	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 694105-015	90	108	125	140	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/31/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694105-015	90	108	125	140	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: HEPSEN JOHN	Routing Symbol:	Date: 09/01/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694105-015	90	108	125	140	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/06/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694105-015	90	108				

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.: 12039809	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698219-051	330	11	127	67	240

Requirement: REQUIRED FOR NEW JEMEZ RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-051	330	11	127	144	240	APPROVE

Requirement/Remarks: REQUIRED FOR NEW JEMEZ RNAV SID FOR ABQRESTRICTED. INADEQUATE COVERAGE AT MIN ALT = 144

Signature: Meza Michael	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-051	330	11	127	139	240	RESTRICT

Requirement/Remarks: REQUIRED FOR NEW JEMEZ RNAV SID FOR ABQRESTRICTED. INADEQUATE COVERAGE. MIN ALT = 139

Signature: Hughes Dennis	Routing Symbol:	Date: 03/12/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-051	330	11	127	139	240	RESTRICT

Requirement/Remarks: REQUIRED FOR NEW JEMEZ RNAV SID FOR ABQRESTRICTED. INADEQUATE COVERAGE. MIN ALT = 139

Signature: Hughes Dennis	Routing Symbol:	Date: 03/12/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-051	330	11				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : SOCORRO	City : SOCORRO	Ident : ONM	State : NM
Type/Class : TACR	Frequency : M1202	Reference No.: 12039817	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698219-052	342	24	67	70	200

Requirement: REQUIRED FOR NEW JETOK RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-052	342	24	67	70	200	APPROVE

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

Signature: Meza Michael	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-052	342	24	67	70	200	APPROVE

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

Signature: Hughes Dennis	Routing Symbol:	Date: 03/12/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-052	342	24				

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.: 12039767	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698219-047	289	358	76	66	200

Requirement: REQUIRED FOR NEW ADYOS RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-047	289	358	76	74	200	APPROVE

Requirement/Remarks: REQUIRED FOR NEW ADYOS RNAV SID FOR ABQRESTRICTED. INADEQUATE COVERAGE AT MIN ALT = FL074

Signature: Meza Michael	Routing Symbol:	Date: 03/08/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-047	289	358	76	74	200	RESTRICT

Requirement/Remarks: REQUIRED FOR NEW ADYOS RNAV SID FOR ABQRESTRICTED. INADEQUATE COVERAGE. MIN ALT = FL074

Signature: Hughes Dennis	Routing Symbol:	Date: 03/12/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-047	289	358	76	74	200	RESTRICT

Requirement/Remarks: REQUIRED FOR NEW ADYOS RNAV SID FOR ABQRESTRICTED. INADEQUATE COVERAGE. MIN ALT = FL074

Signature: Hughes Dennis	Routing Symbol:	Date: 03/12/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-047	289	358				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : SOCORRO	City : SOCORRO	Ident : ONM	State : NM
Type/Class : TACR	Frequency : M1202	Reference No.: 11086136	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698219-034	256	349	83	130	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID BOSQE OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/16/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-034	256	349	83	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID BOSQE OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-034	256	349	83	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID BOSQE OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-034	256	349				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : SOCORRO	City : SOCORRO	Ident : ONM	State : NM
Type/Class : TACR	Frequency : M1202	Reference No.: 11086336	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698219-039	351	39	45	65	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/31/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-039	351	39	45	65	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/05/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-039	351	39	45	65	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/06/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-039	351	39				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : SOCORRO	City : SOCORRO	Ident : ONM	State : NM
Type/Class : TACR	Frequency : M1202	Reference No.: 11086298	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698219-037	339	1	105	100	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID JEMEZ OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/25/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-037	339	1	105	100	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JEMEZ OUT OF ABQRestricted. Inadequate Coverage at ALT (min)=FLT150

Signature: mai kimberly	Routing Symbol:	Date: 08/26/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-037	339	1	105	100	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JEMEZ OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/29/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-037	339	1				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : SOCORRO	City : SOCORRO	Ident : ONM	State : NM
Type/Class : TACR	Frequency : M1202	Reference No.: 11096364	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698219-044	340	7	50	75	220

Requirement: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 09/01/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-044	340	7	50	75	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/07/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-044	340	7	50	75	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/07/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-044	340	7				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : SOCORRO	City : SOCORRO	Ident : ONM	State : NM
Type/Class : TACR	Frequency : M1202	Reference No.: 11096405	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698219-045	320	12	65	120	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID RDRNR OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 09/08/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-045	320	12	65	120	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID RDRNR OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-045	320	12	65	120	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID RDRNR OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-045	320	12				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ST JOHNS	City : ST JOHNS	Ident : SJN	State : AZ
Type/Class : TACR	Frequency : M1157	Reference No.: 12052841	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704093-025	346	57	103	151	260

Requirement: REQUIRED FOR NEW ABQ RNAV SIDS

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 05/21/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-025	346	57	103	151	260	APPROVE

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

Signature: HEPSEN JOHN	Routing Symbol:	Date: 05/21/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-025	346	57	103	151	260	APPROVE

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

Signature: Hughes Dennis	Routing Symbol:	Date: 05/22/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-025	346	57				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ST JOHNS	City : ST JOHNS	Ident : SJN	State : AZ
Type/Class : TACR	Frequency : M1157	Reference No.: 12039783	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704093-023	24	130	110	156	260

Requirement: REQUIRED FOR NEW BOSQE RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-023	24	130	110	156	260	APPROVE

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

Signature: HEPSEN JOHN	Routing Symbol:	Date: 03/15/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-023	24	130	110	156	260	APPROVE

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

Signature: Hughes Dennis	Routing Symbol:	Date: 03/15/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-023	24	130				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ST JOHNS	City : ST JOHNS	Ident : SJN	State : AZ
Type/Class : TACR	Frequency : M1157	Reference No.: 11086135	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704093-015	62	94	58	130	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID BOSQE OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/16/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-015	62	94	58	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID BOSQE OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: HEPSEN JOHN	Routing Symbol:	Date: 08/16/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-015	62	94	58	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID BOSQE OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-015	62	94				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ST JOHNS	City : ST JOHNS	Ident : SJN	State : AZ
Type/Class : TACR	Frequency : M1157	Reference No.: 11086341	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704093-016	45	93	95	150	220

Requirement: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/31/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-016	45	93	95	150	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: HEPSEN JOHN	Routing Symbol:	Date: 09/01/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-016	45	93	95	150	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/06/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-016	45	93				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ST JOHNS	City : ST JOHNS	Ident : SJN	State : AZ
Type/Class : TACR	Frequency : M1157	Reference No.: 11096409	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704093-018	335	46	71	130	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID RDRNR OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 09/08/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-018	335	46	71	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID RDRNR OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: HEPSEN JOHN	Routing Symbol:	Date: 09/09/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-018	335	46	71	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID RDRNR OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/12/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-018	335	46				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : TUCUMCARI	City : TUCUMCARI	Ident : TCC	State : NM
Type/Class : TACR	Frequency : M1170	Reference No.: 11086158	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698148-018	117	242	115	130	300

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/17/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698148-018	117	242	115	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698148-018	117	242	115	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698148-018	117	242				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : TUCUMCARI	City : TUCUMCARI	Ident : TCC	State : NM
Type/Class : TACR	Frequency : M1170	Reference No.: 11086349	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698148-021	120	221	70	160	220

Requirement: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/31/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698148-021	120	221	70	160	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: mai kimberly	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698148-021	120	221	70	160	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/14/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698148-021	120	221				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : TUCUMCARI	City : TUCUMCARI	Ident : TCC	State : NM
Type/Class : TACR	Frequency : M1170	Reference No.: 11086186	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698148-020	245	292	45	100	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID FYSTA OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/17/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698148-020	245	292	45	100	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID FYSTA OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698148-020	245	292	45	100	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID FYSTA OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/18/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698148-020	245	292				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : TRUTH OR CONSEQUENCES	City : TRUTH OR CONSEQUENCES	Ident : TCS	State : NM
Type/Class : TACR	Frequency : M1161	Reference No.: 12039798	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698133-028	359	11	87	138	200

Requirement: REQUIRED FOR NEW BOSQE RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698133-028	359	11	87	138	200	APPROVE

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

Signature: Meza Michael	Routing Symbol:	Date: 03/12/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698133-028	359	11	87	138	200	APPROVE

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

Signature: Hughes Dennis	Routing Symbol:	Date: 03/13/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698133-028	359	11				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : TRUTH OR CONSEQUENCES	City : TRUTH OR CONSEQUENCES	Ident : TCS	State : NM
Type/Class : TACR	Frequency : M1161	Reference No.: 11086132	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698133-024	302	321	100	130	250

Requirement: ESTABLISH AN ESV FOR THE RNAV SID BOSQE OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/16/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698133-024	302	321	100	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID BOSQE OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698133-024	302	321	100	130	250	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID BOSQE OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698133-024	302	321				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : TRUTH OR CONSEQUENCES	City : TRUTH OR CONSEQUENCES	Ident : TCS	State : NM
Type/Class : TACR	Frequency : M1161	Reference No.: 11086147	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698133-025	6	81	115	130	300

Requirement: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/16/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698133-025	6	81	115	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: Meza Michael	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698133-025	6	81	115	130	300	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID DOOKK OUT OF ABQ.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/17/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698133-025	6	81				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : TEXICO	City : TEXICO	Ident : TXO	State : TX
Type/Class : TACR	Frequency : M1020	Reference No.: 11096367	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 892248-032	254	279	90	160	220

Requirement: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 09/01/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 892248-032	254	279	90	160	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: gazi abdullahil	Routing Symbol:	Date: 09/01/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 892248-032	254	279	90	160	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID JETOK OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/06/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 892248-032	254	279				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ZUNI	City : ZUNI	Ident : ZUN	State : AZ
Type/Class : TACR	Frequency : M1168	Reference No.: 12039786	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 020160-019	98	133	76	179	220

Requirement: REQUIRED FOR NEW BOSQE RNAV SID FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 03/08/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 020160-019	98	133	76	179	220	APPROVE

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

Signature: HEPSEN JOHN	Routing Symbol:	Date: 03/15/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 020160-019	98	133	76	179	220	APPROVE

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

Signature: Hughes Dennis	Routing Symbol:	Date: 03/16/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 020160-019	98	133				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ZUNI	City : ZUNI	Ident : ZUN	State : AZ
Type/Class : TACR	Frequency : M1168	Reference No.: 11086342	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 020160-015	99	149	85	150	220

Requirement: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQ

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 08/31/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 020160-015	99	149	85	150	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: HEPSEN JOHN	Routing Symbol:	Date: 09/01/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 020160-015	99	149	85	150	220	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE RNAV SID MNZNO OUT OF ABQApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

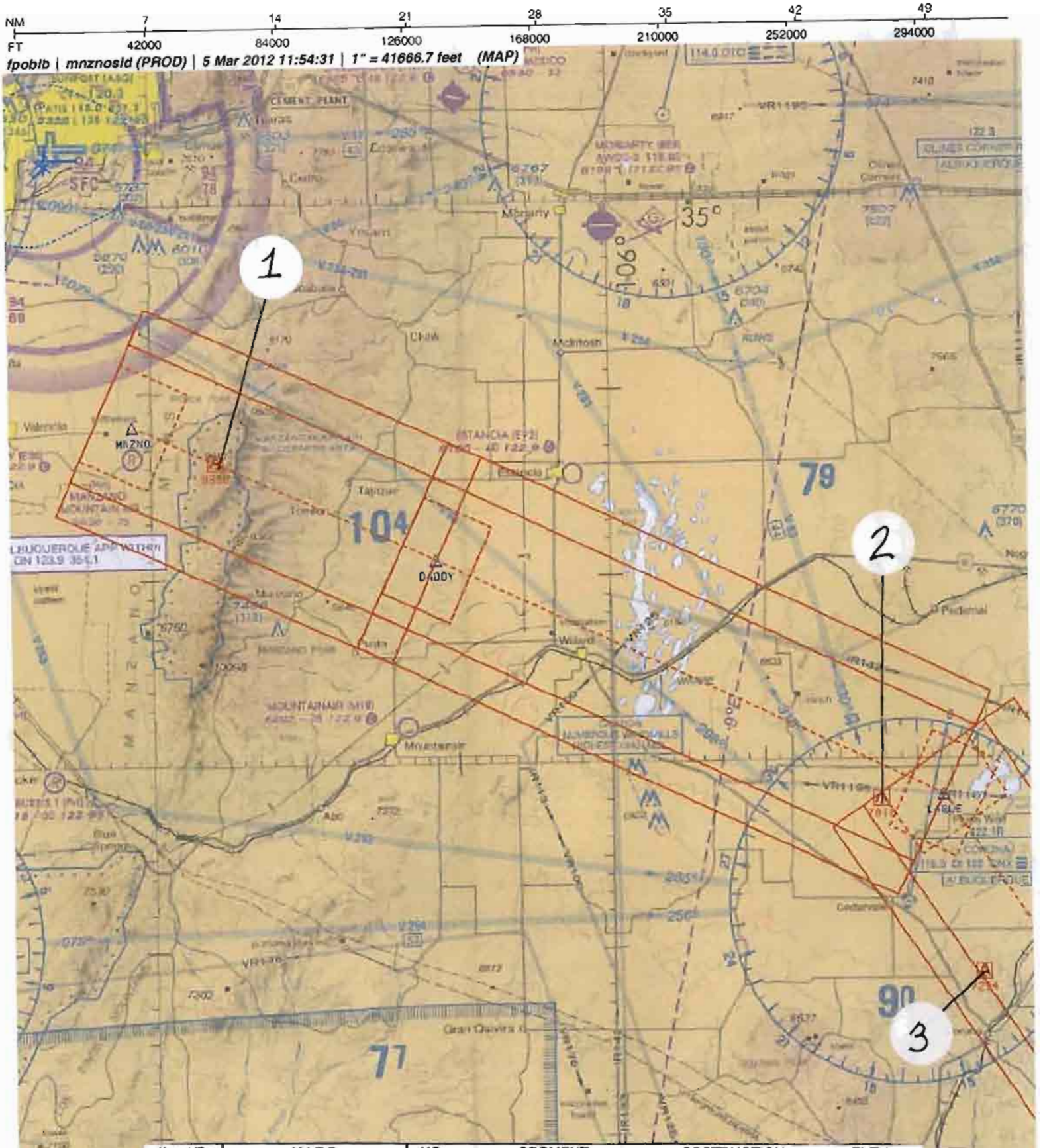
Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 09/06/2011

Expanded Service Volume Data: (FIFO)

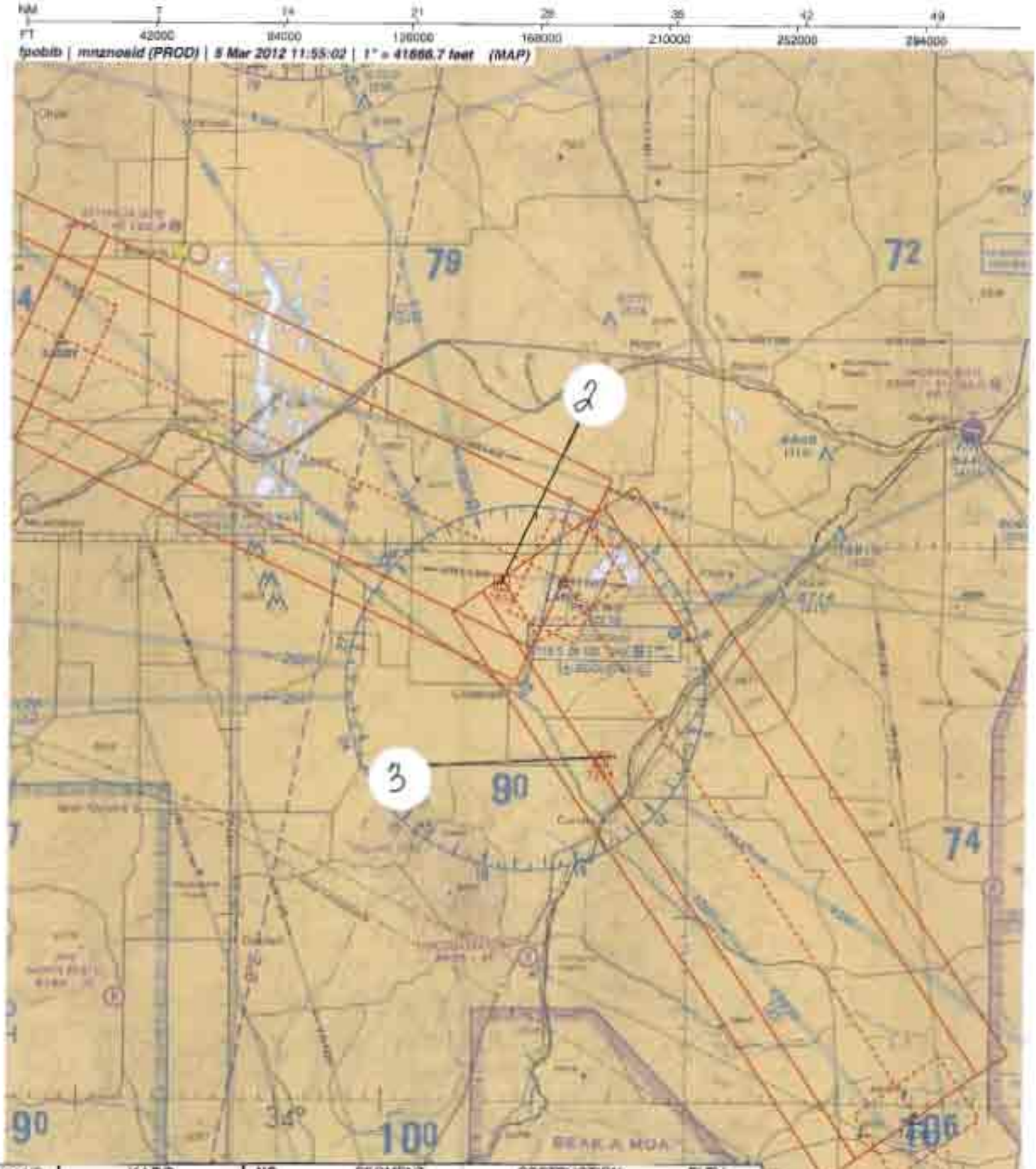
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 020160-015	99	149				

Requirement/Remarks:

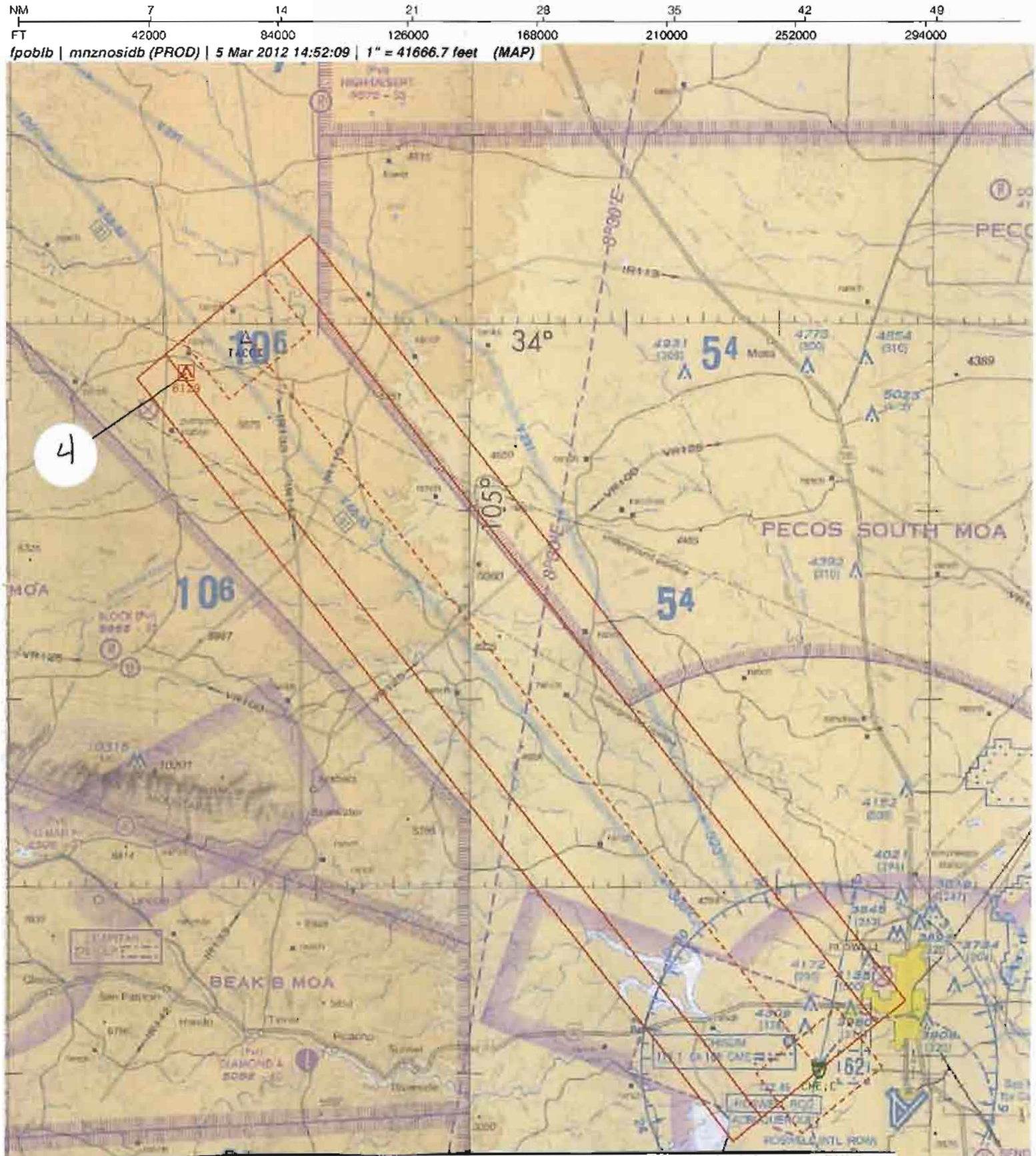
Signature:	Routing Symbol:	Date:



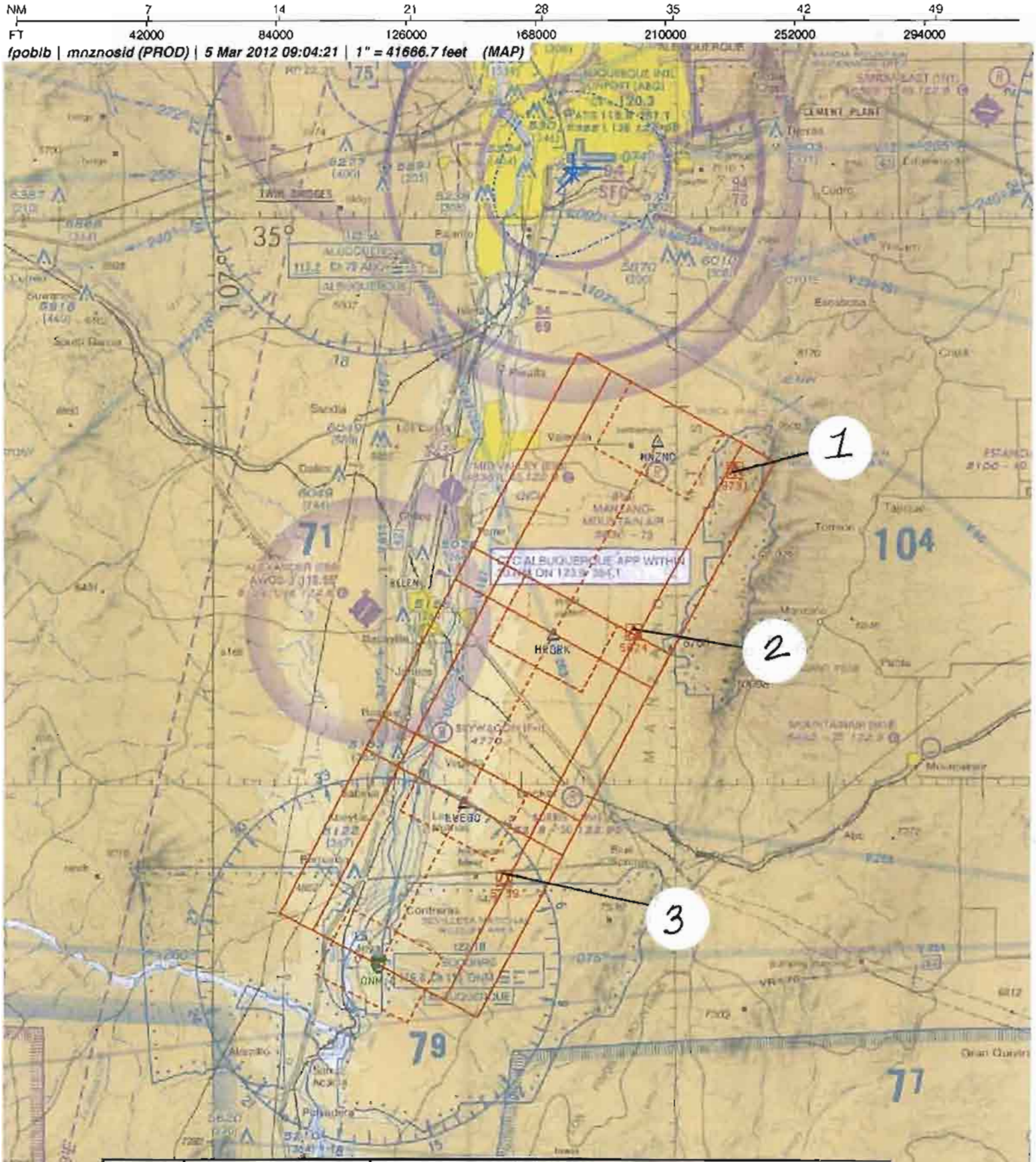
Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT	1	MNZNO-DADDY	AAO	9836
City:	ALBUQUERQUE	2	DADDY-LARLE	AAO	7018
State:	NEW MEXICO	3	LARLE-TACOZ	AAO	7294
Scale:	1: 500,000				
Proc ID	MNZNO RNAV (CHISUM TRANSITION)				
Amdt.	ORIG (pg. 1 of 3)				



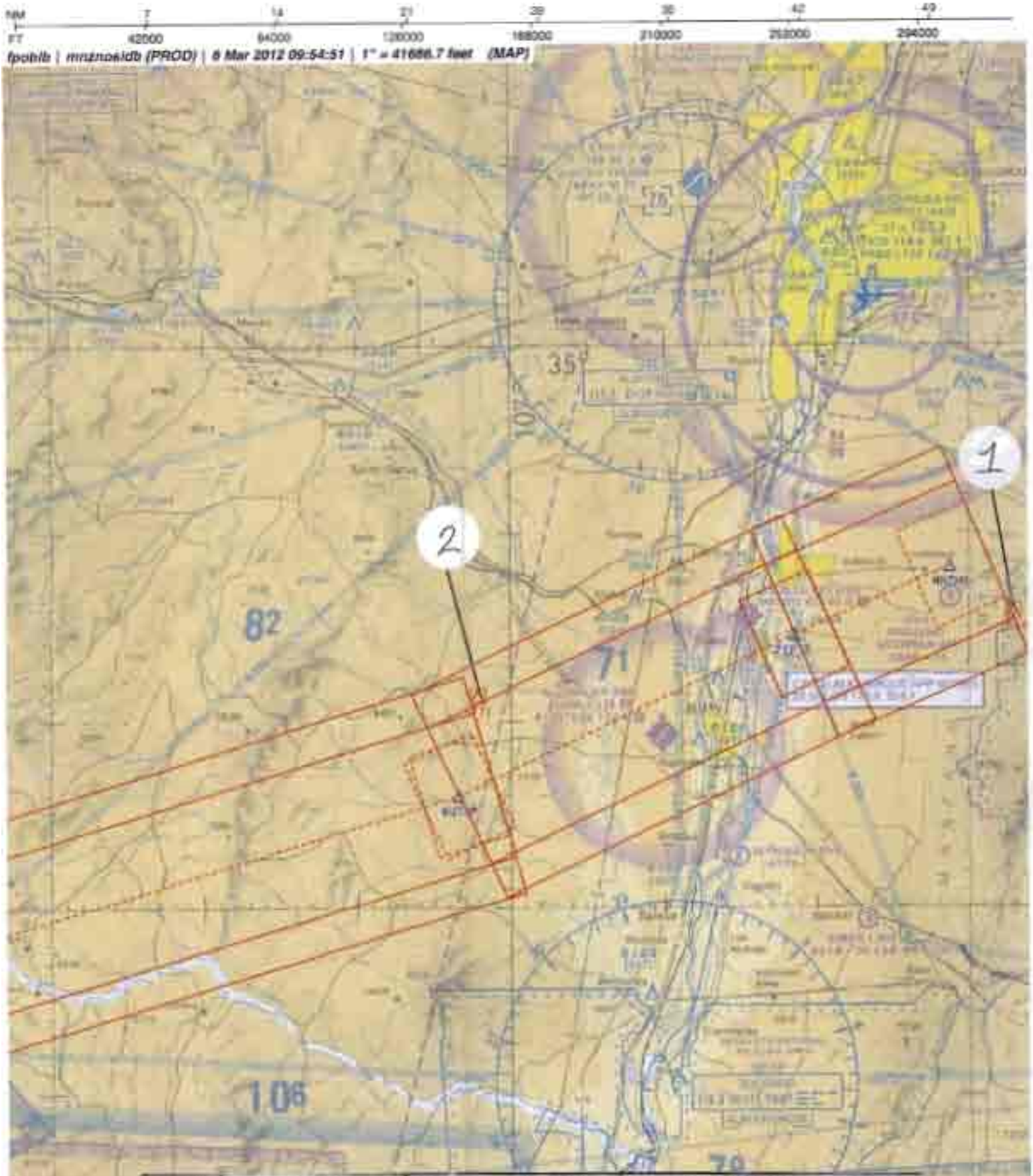
Airport ID	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name	ALBUQUERQUE INTL SUNPORT	2	DADDY – LARLE	AAO	7018
City	ALBUQUERQUE	3	LARLE – TACOZ	AAO	7294
State	NEW MEXICO				
Scale	1: 500,000				
Proc ID	MNZNO RNAV (CHISUM TRANSITION)				



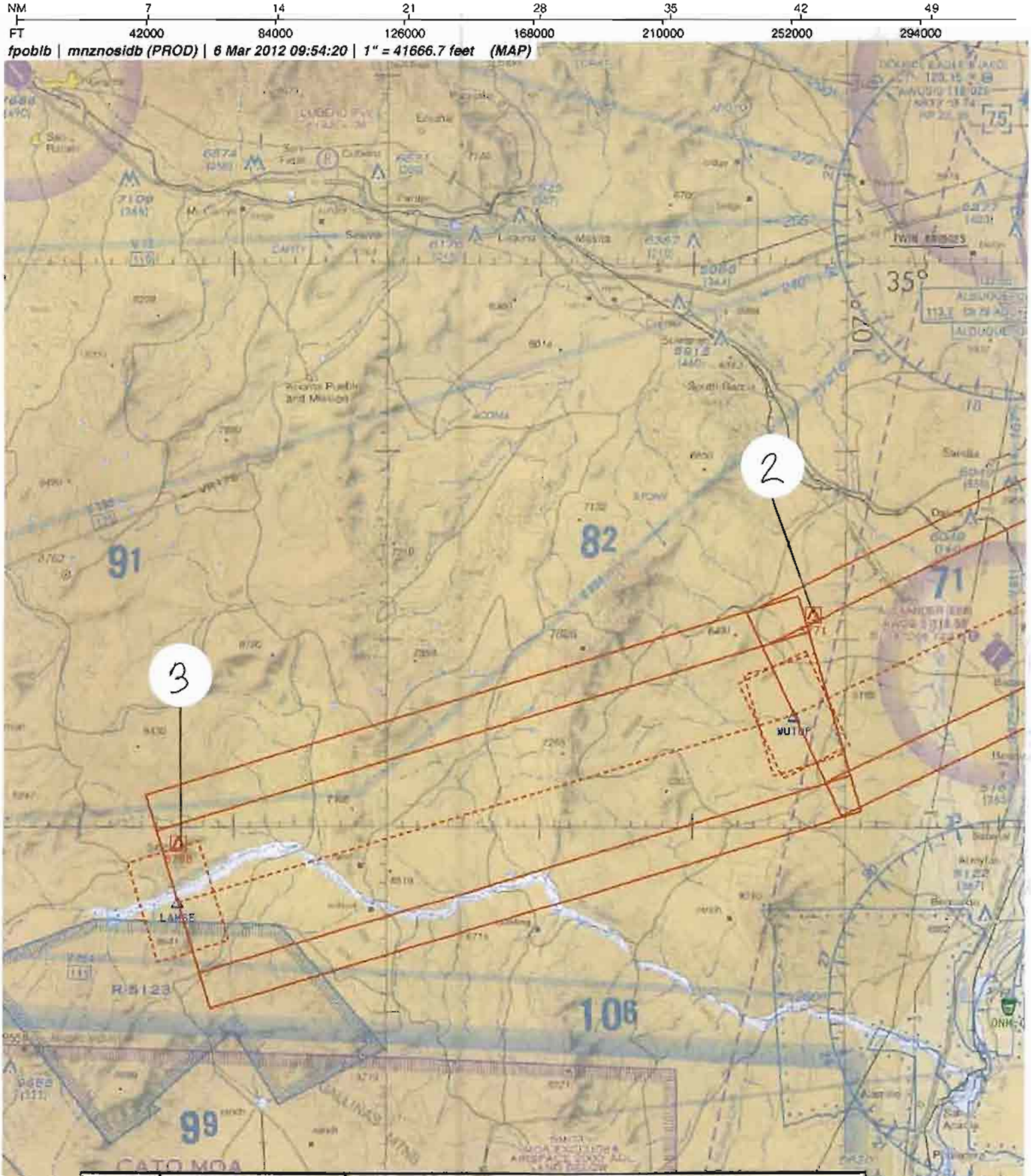
Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT	4	TACOZ-CME VORTAC	AAO	6129
City:	ALBUQUERQUE				
State:	NEW MEXICO				
Scale:	1: 500,000				
Proc ID:	MNZNO RNAV (CHISUM TRANSITION)				
Amdt:	ORIG (pg. 3 of 3)				



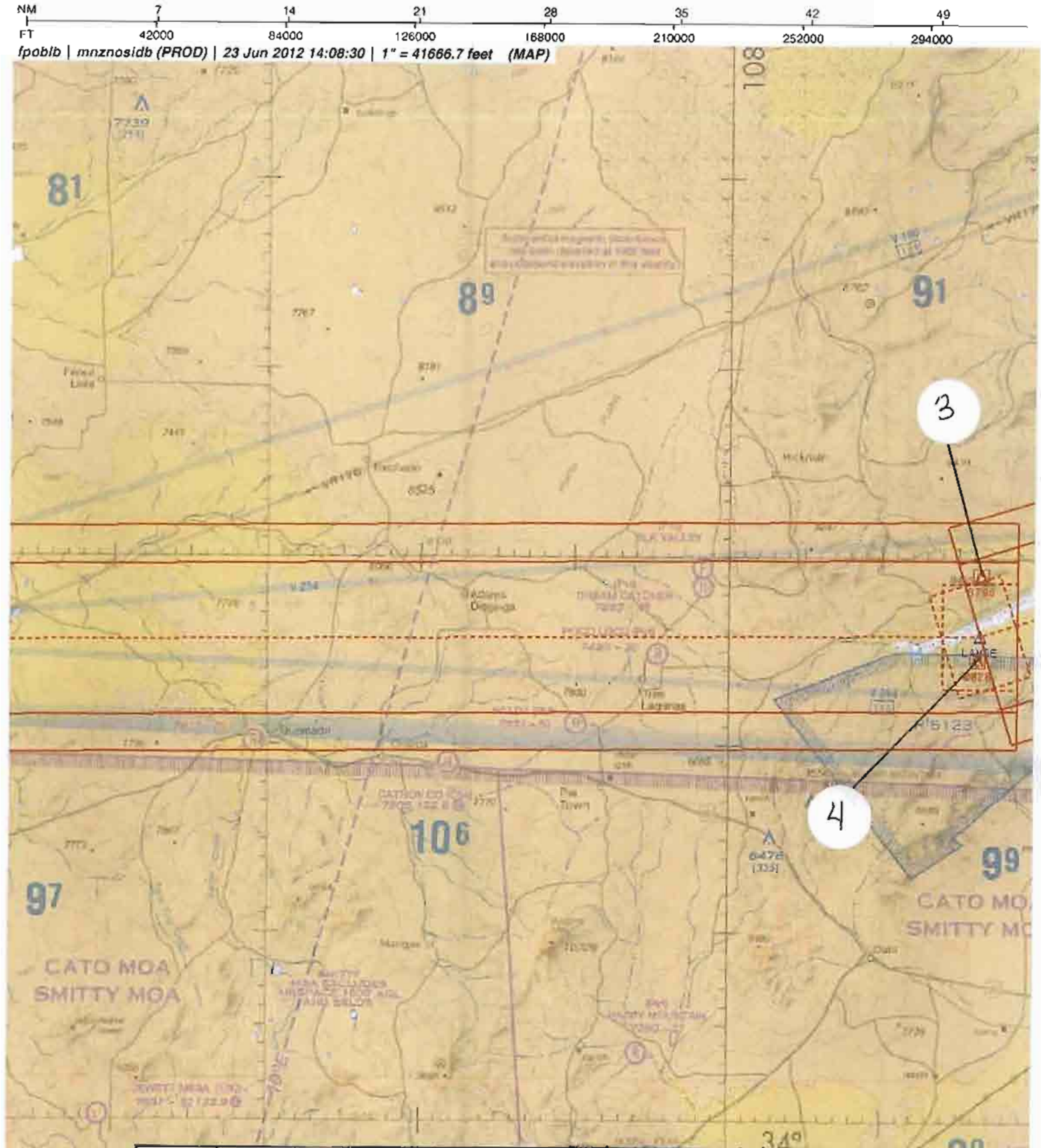
Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT	1	MNZNO – HRDRK	AAO	9731
City:	ALBUQUERQUE	2	HRDRK – LUEGO	AAO	5624
State:	NEW MEXICO	3	LUEGO – ONM VORTAC	AAO	5738
Scale	1: 500,000				
Proc ID:	MNZNO RNAV (SOCORRO TRANSITION)				



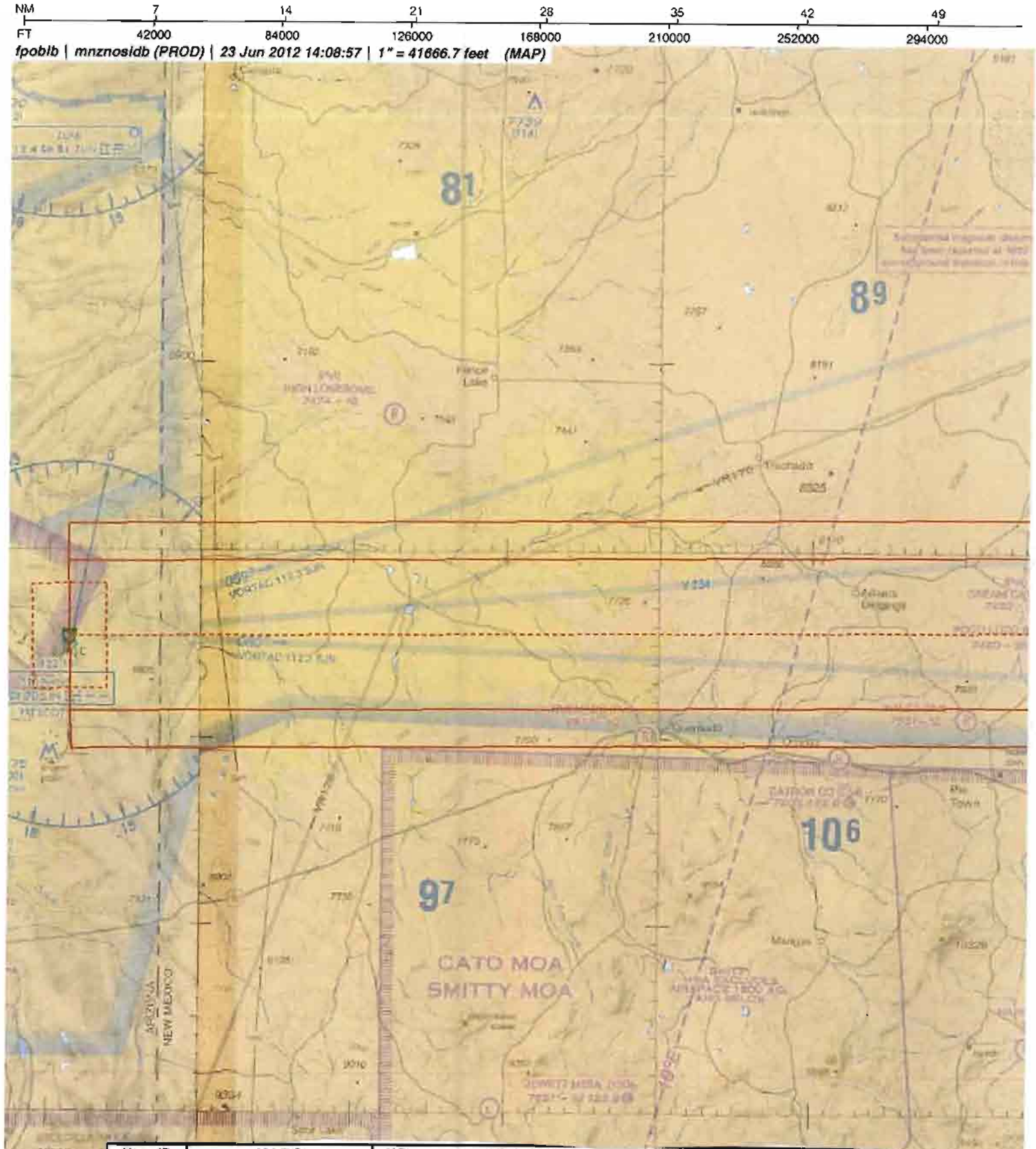
Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT	1	MNZNO – PEPTE	AAO	7694
City:	ALBUQUERQUE	2	PEPTE – WUTUP	AAO	5771
State:	NEW MEXICO				
Scale:	1: 500,000				
Proc ID:	MNZNO RNAV (ST JOHNS TRANSITION)				



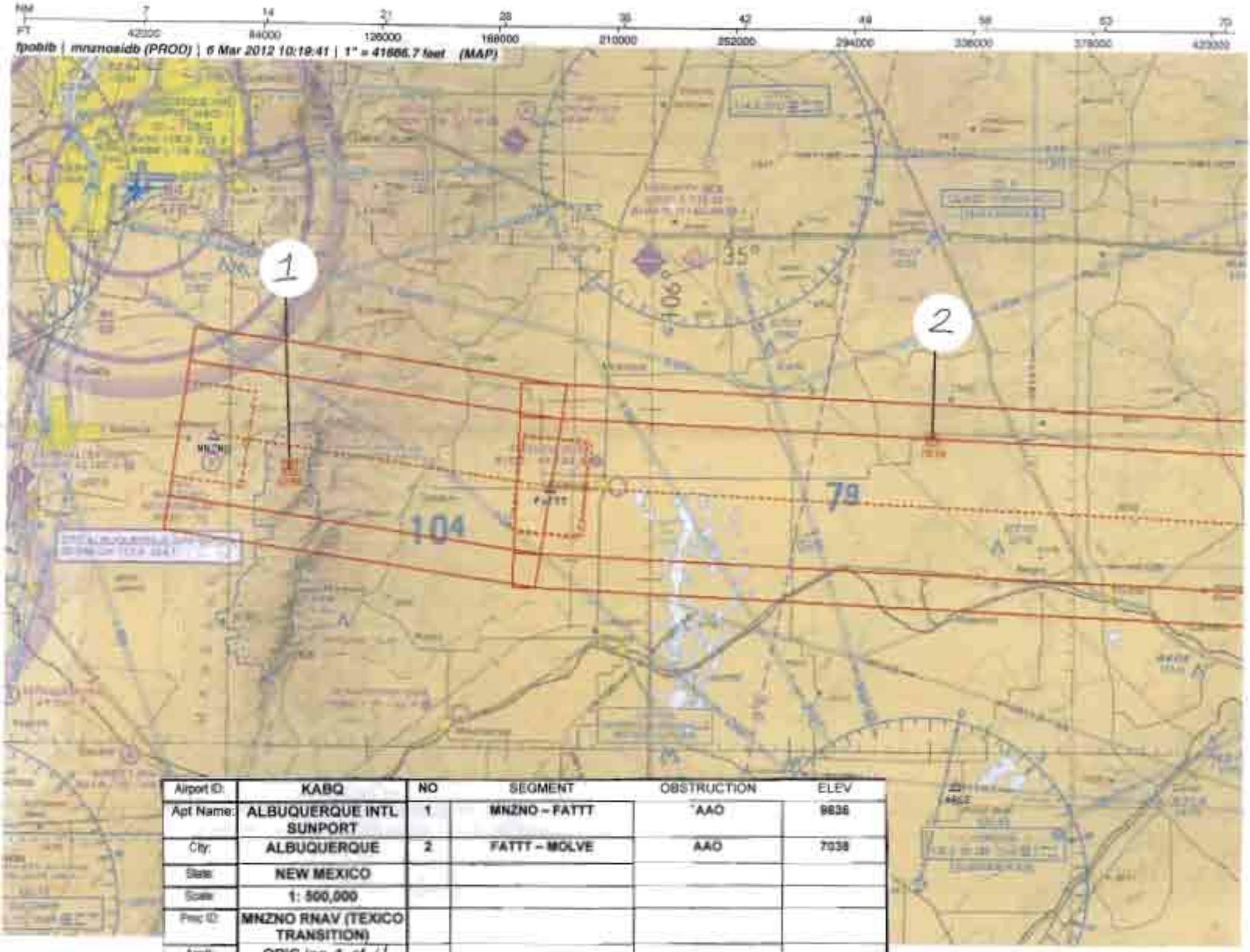
Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT	2	PEPTE – WUTUP	AAO	5771
City:	ALBUQUERQUE	3	WUTUP – LAMSE	AAO	8796
State:	NEW MEXICO				
Scale:	1: 500,000				
Proc ID:	MNZNO RNAV (ST JOHNS TRANSITION)				



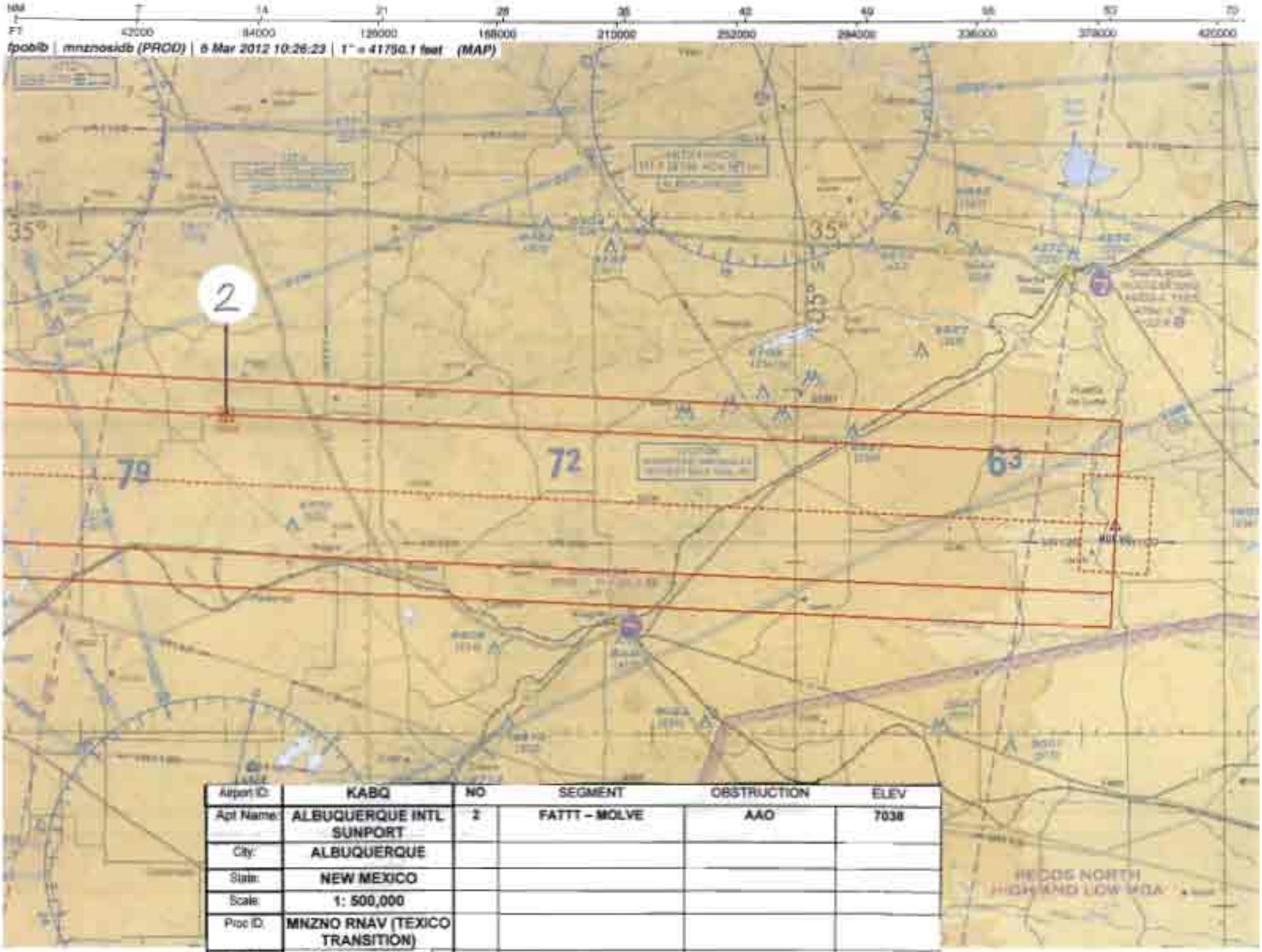
Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT	3	WUTUP-LAMSE	AAO	8796
City:	ALBUQUERQUE	4	LAMSE-SJN	AAO	8826
State:	NEW MEXICO				
Scale:	1: 500,000				
Proc ID:	MNZNO RNAV (ST JOHNS TRANSITION)				
Amdt:	ORIG (pg. 3 of 4)				



Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT				
City:	ALBUQUERQUE				
State:	NEW MEXICO				
Scale:	1: 500,000				
Proc ID:	MNZNO RNAV (ST JOHNS TRANSITION)				
Amdt.	ORIG (pg. 4 of 4)				

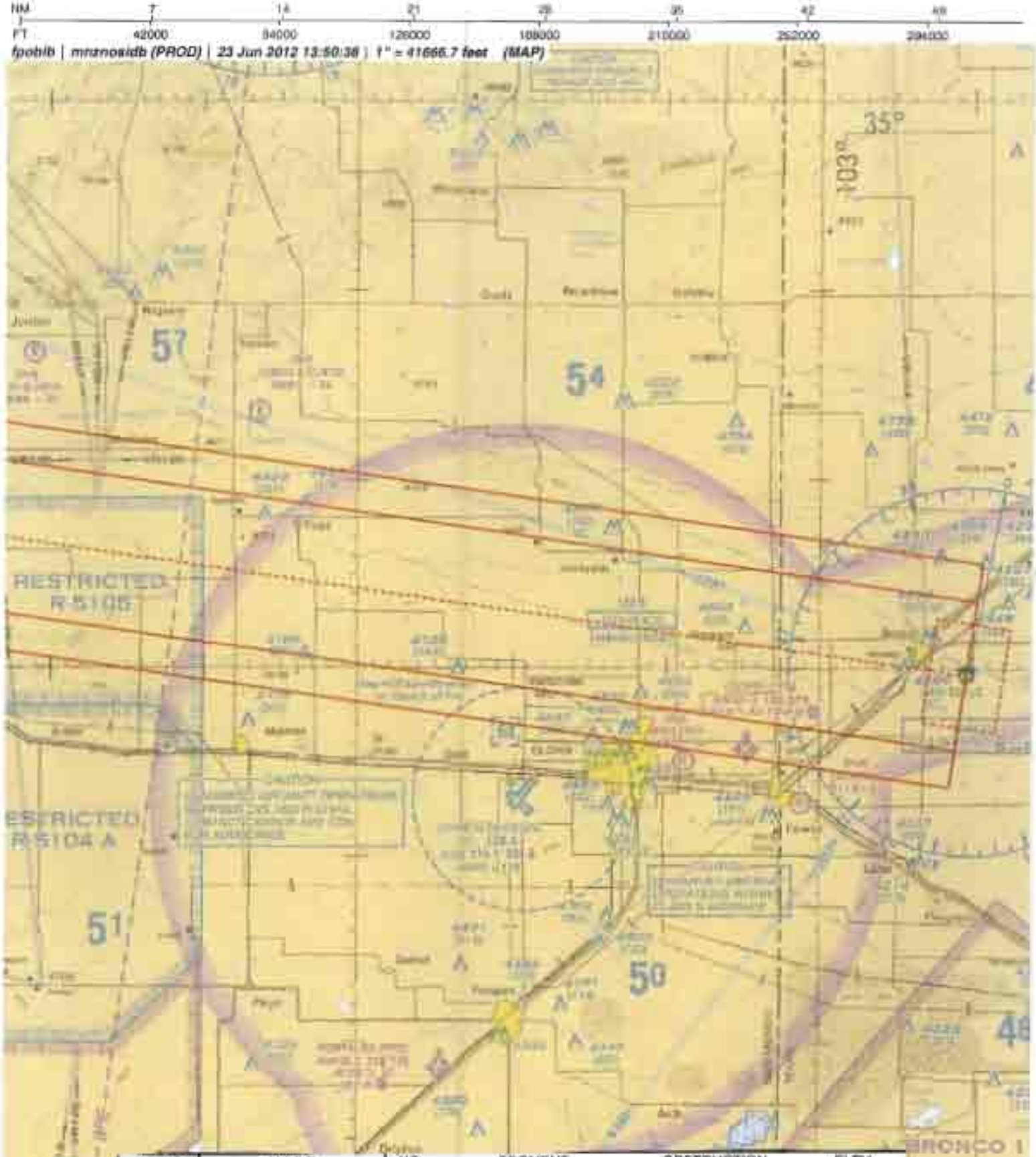


Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT	1	MNZNO – FATTT	AAO	9836
City:	ALBUQUERQUE	2	FATTT – MOLVE	AAO	7038
State:	NEW MEXICO				
Scale:	1: 500,000				
Proc ID:	MNZNO RNAV (TEXICO TRANSITION)				
Amdt:	ORIG (pg. 1 of 4				



Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT	2	FATTT – MOLVE	AAO	7038
City:	ALBUQUERQUE				
State:	NEW MEXICO				
Scale:	1: 500,000				
Proc ID:	MNZNO RNAV (TEXICO TRANSITION)				
Amdt:	ORIG (pg. 2 of 4				

Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT	3	MOLVE – TXO VORTAC	AAO	5240
City:	ALBUQUERQUE				
State:	NEW MEXICO				
Scale:	1: 500,000				
Proc ID:	MNZNO RNAV (TEXICO TRANSITION)				

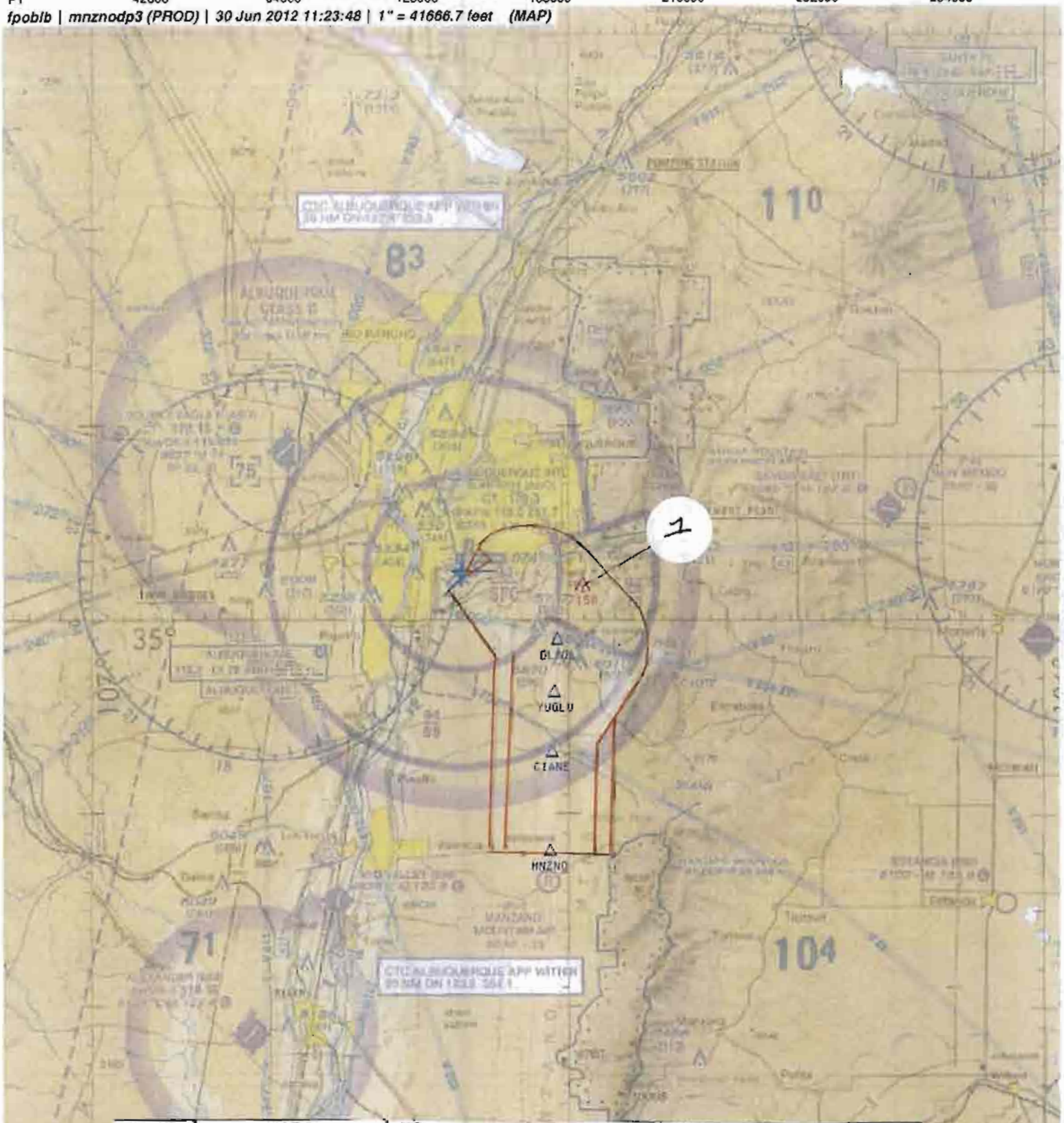


Airport ID	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name	ALBUQUERQUE INTL SUNPORT				
City	ALBUQUERQUE				
State	NEW MEXICO				
Scale	1: 500,000				
Proc ID	MNZNO RNAV (TEXICO TRANSITION)				
Amdt	ORIG (pg. 4 of 4)				

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

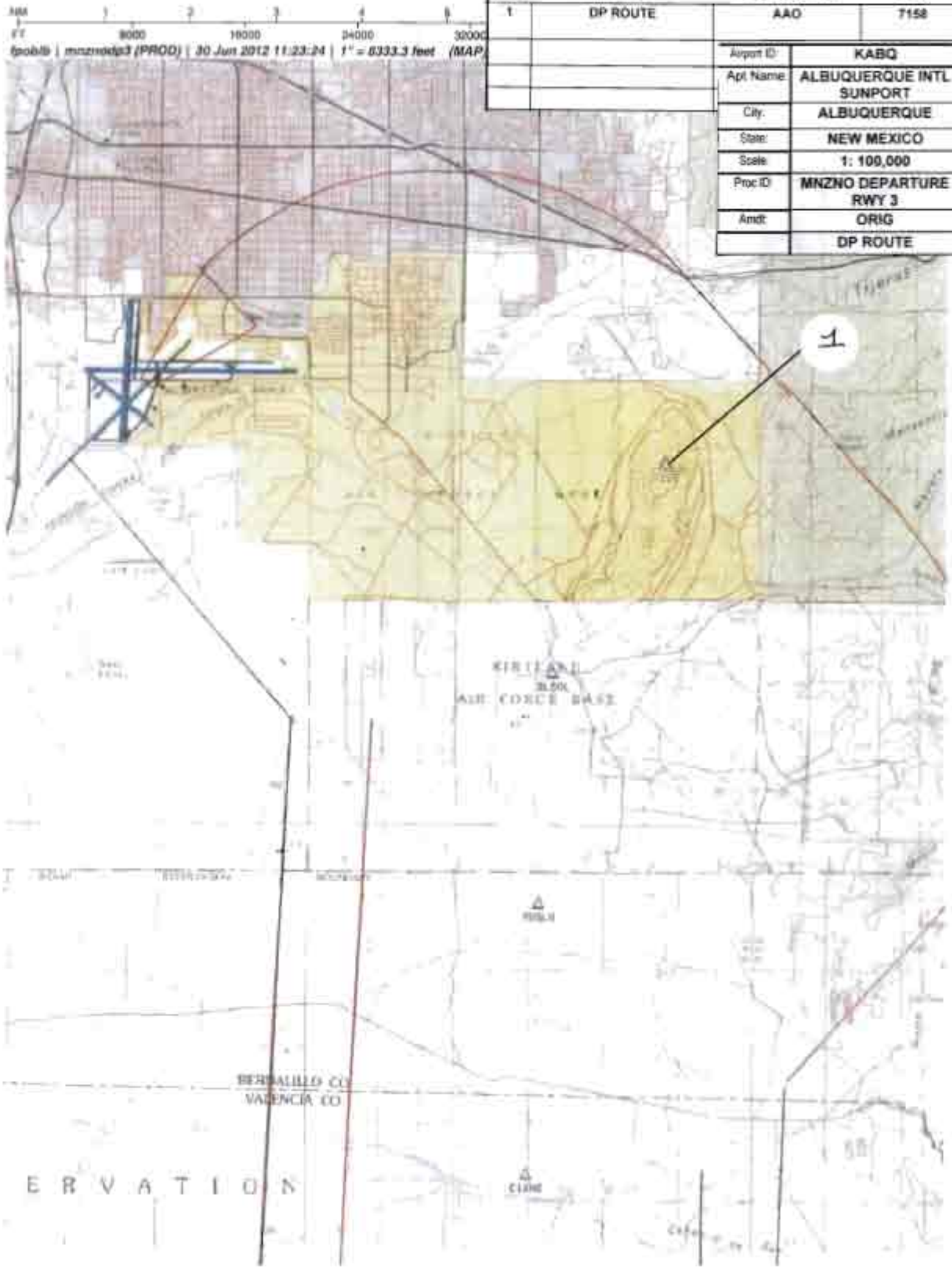
fpoblb | mnznodp3 (PROD) | 30 Jun 2012 11:23:48 | 1" = 41666.7 feet (MAP)



Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT	1	DP ROUTE	AAO	7168
City:	ALBUQUERQUE				
State:	NEW MEXICO				
Scale:	1: 500,000				
Proc ID:	MNZNO DEPARTURE RWY 3				
Amdt:	ORIG				
	DP ROUTE				

NO	SEGMENT	OBSTRUCTION	ELEV
1	DP ROUTE	AAO	7158

Airport ID:	KABQ
Apt. Name:	ALBUQUERQUE INTL SUNPORT
City:	ALBUQUERQUE
State:	NEW MEXICO
Scale:	1: 100,000
Proc ID:	MNZNO DEPARTURE RWY 3
Amdt:	ORIG
	DP ROUTE

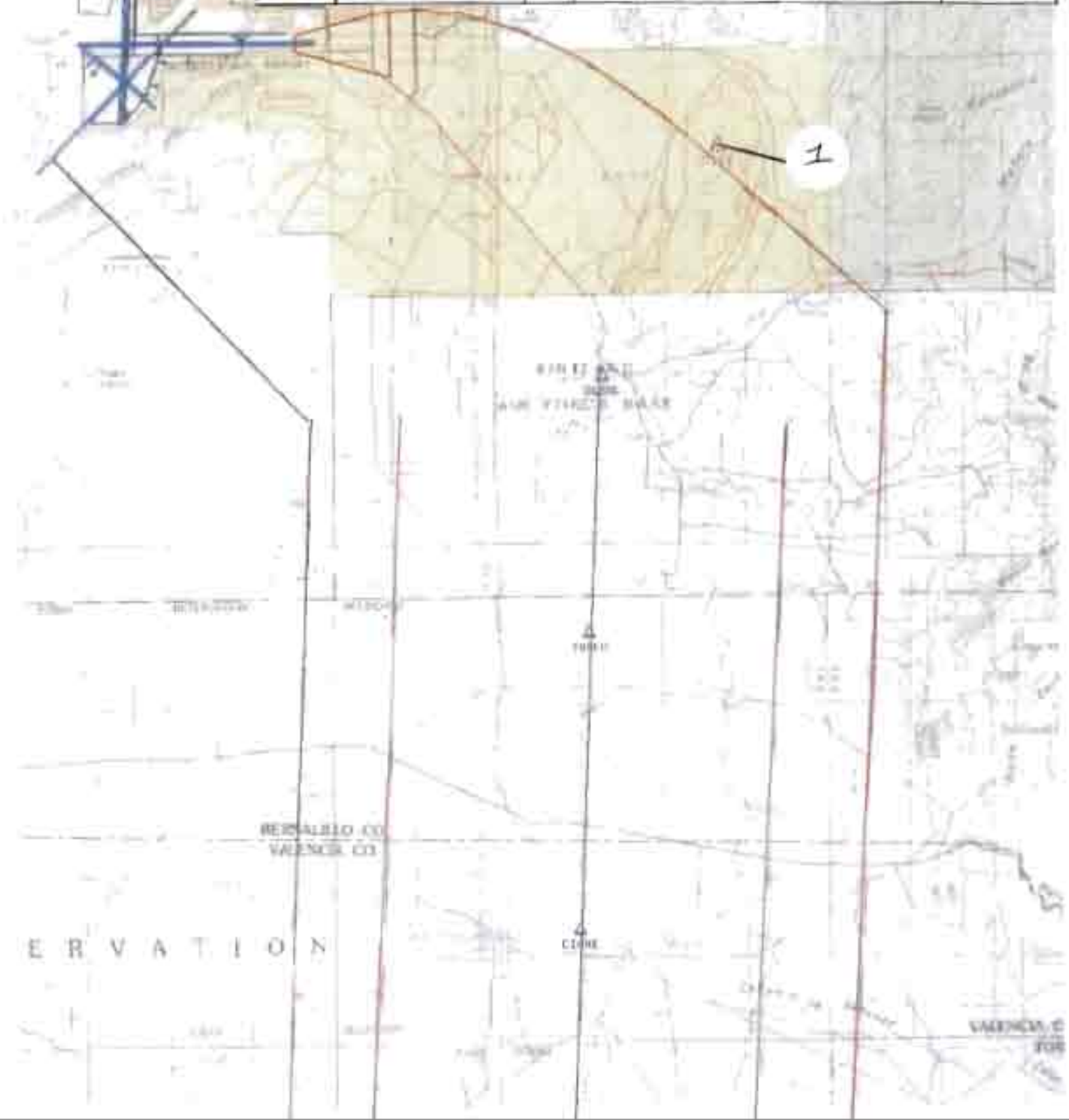


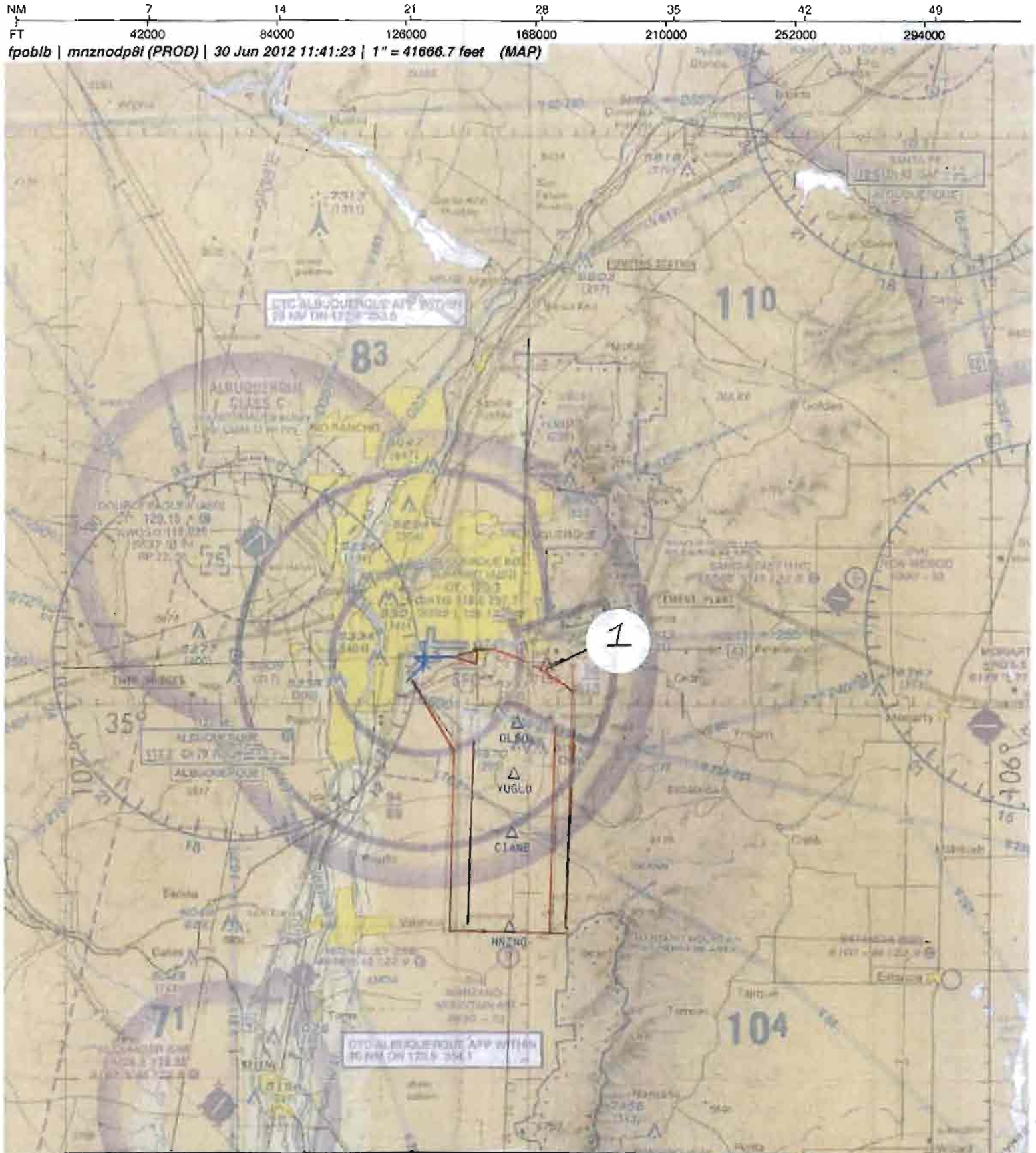
NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpoblb | mnznodu8l (PROD) | 30 Jun 2012 11:41:47 | 1" = 6333.3 feet (MAP)

Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT	1	DP ROUTE	AAO	7158
City:	ALBUQUERQUE				
State:	NEW MEXICO				
Scale:	1: 100,000				
Proc ID:	MNZNO DEPARTURE RWY 8				
Amdt:	ORIG				





Airport ID:	KABQ	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ALBUQUERQUE INTL SUNPORT	1	DP ROUTE	AAO	7158
City:	ALBUQUERQUE				
State:	NEW MEXICO				
Scale:	1: 500,000				
Proc ID:	MNZNO DEPARTURE RWY 8				
Amdt:	ORIG				

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MNZNO	ONE	MNZNO1.MNZNO	NONE		

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 3: CLIMB HEADING 033.79 TO 6000 AT OR BELOW 220 KIAS, THEN CLIMBING RIGHT TURN DIRECT DLSOL, THEN ON DEPICTED ROUTE TO CROSS MNZNO AT OR ABOVE 11500. THENCE...
TAKEOFF RWY 8: CLIMB HEADING 079.43 TO 5860 AT OR BELOW 220 KIAS, THEN CLIMBING RIGHT TURN DIRECT DLSOL, THEN ON DEPICTED ROUTE TO CROSS MNZNO AT OR ABOVE 11500. THENCE...

...ON ASSIGNED TRANSITION. MAINTAIN FL200, EXPECT FILED ALTITUDE TEN MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
CHISUM	MNZNO1.CME	MNZNO	DADDY	TRACK 103.15	17.85	15000	11900	
		DADDY	LARLE	TRACK 103.97	30.24	FL180	9100	
		LARLE	TACOZ	TRACK 134.68	34.67	FL 180	9300	
		TACOZ	CME VORTAC	TRACK 130.16	49.99	FL 180	8200	
SOCORRO	MNZNO1.ONM	MNZNO	HRDRK	TRACK 197.73	11.66	16000	11100	AT/ABOVE 16000
		HRDRK	LUEGO	TRACK 197.19	10.15	FL 180	7700	
		LUEGO	ONM VORTAC	TRACK 196.67	9.85	FL 180	7800	
ST JOHNS	MNZNO1.SJN	MNZNO	PEPTE	TRACK 235.73	9.19	15000	9700	AT/ABOVE 15000
		PEPTE	WUTUP	TRACK 233.77	20.04	16000	7800	AT/ABOVE 16000
		WUTUP	LAMSE	TRACK 242.36	34.72	FL 180	10800	
		LAMSE	SJN VORTAC	TRACK 258.97	70.38	FL 180	10900	
TEXICO	MNZNO1.TXO	MNZNO	FATTT	TRACK 87.09	19.99	15000	11800	
		FATTT	MOLVE	TRACK 81.11	73.82	FL 180	9100	
		MOLVE	TXO VORTAC	TRACK 86.49	89.39	FL 180	7400	

QUALITY CHECKED

GRAPHIC DEPARTURE PROCEDURE (DP)

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

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MNZNO	ONE	MNZNO1.MNZNO	NONE		

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: CROSS YUGLU AT OR BELOW 9000
NOTE: DME/DME/IRU OR GPS REQUIRED.
NOTE: FOR TURBOJET AIRCRAFT ONLY.
NOTE: RNAV 1.
NOTE: RADAR REQUIRED.
NOTE: IF UNABLE TO ACCEPT CLIMB GRADIENT, ADVISE ATC ON INITIAL CONTACT.
NOTE: DO NOT EXCEED 230 KIAS UNTIL PASSING YUGLU.
NOTE: DO NOT EXCEED 250 KIAS UNTIL PASSING MNZNO.

NOTE: FOR NON-GPS EQUIPPED AIRCRAFT ONM DME MUST BE OPERATIONAL.

TAKEOFF MINIMUMS:
RWY 3: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 9000. MINIMUM OBSTACLE CLIMB GRADIENT AFTER YUGLU IS 420 FT PER NM TO 11900.
RWY 8: STANDARD WITH MINIMUM CLIMB OF 515 FT PER NM TO 9000. MINIMUM OBSTACLE CLIMB GRADIENT AFTER YUGLU IS 420 FT PER NM TO 11900.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 3: TANK 4961 FT FROM DER, 1708 FT LEFT OF CENTERLINE, 150 FT AGL/5466 FT MSL. WATER TOWER 4984 FT FROM DER, 1713 FT LEFT OF CENTERLINE, 156 FT AGL/5468 FT MSL.

CONTROLLING OBSTACLES:

RWY 3: 7158 FT MSL AAO 350130.00N-1062903.00W.
RWY 8: 7158 FT MSL AAO 350130.00N-1062903.00W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KABQ 11E EPOCH YR:1995
DME/DME ASSESSMENT: SAT (RNP 1.0)

AIRPORTS SERVED:

ALBUQUERQUE INTL SUNPORT, NM.

COMMUNICATIONS:

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

QUALITY CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MNZNO	ONE	MNZNO1.MNZNO	NONE		

FIXES AND/OR NAVAIDS:

REMARKS:

WAIVERS: AT OR BELOW 9000 AT YUGLU; CONSECUTIVE MANDATORY CLIMB GRADIENTS.

QUALITY CHECKED 4

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MNZNO	ONE	MNZNO1.MNZNO	NONE		

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:
ROUTINE

DEVELOPED BY:
BEVERLY BORDY AJV-353 01/23/2012

APPROVED BY:
LARRY STROUT AJV-353

COORDINATED WITH:
ATA, ALPA, APA, AOPA, NBAA, ZAB, ABQ APP CON, ABQ ATCT, AMGR.

CHANGES:

ORIGINAL

REASONS:

08/31/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 01/23/2012.
1. CHANGED DP ROUTE DESCRIPTION FROM "ON ASSIGNED TRANSITION. EXPECT FURTHER CLEARANCE TO FILED ALTITUDE WITHIN FIVE MINUTES AFTER DEPARTURE." TO "ON ASSIGNED TRANSITION. MAINTAIN FL200, EXPECT FILED ALTITUDE TEN MINUTES AFTER DEPARTURE."

FPT REQUESTED.

09/18/2012. THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 01/23/2012.
1. MOVED NOTE "MINIMUM OBSTACLE CLIMB GRADIENT AFTER YUGLU IS 420 FT PER NM TO 11900" FROM PROCEDURAL DATA NOTES TO TAKEOFF MINIMUMS.

11/05/2012. THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 09/19/2012.
1. DELETED CRITICAL DME NOTES AND ADDED ONE CRITICAL DME NOTE FOR ENTIRE PROCEDURE TO READ " NOTE: FOR NON-GPS EQUIPPED AIRCRAFT ONM DME MUST BE OPERATIONAL" PER FLIGHT CHECK AND NEW PRO RUN.

11/28/2012. THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/9/2012.
1. ADDED SPEED RESTRICTION TO DEPARTURE ROUTE DESCRIPTION FOR VA LEGS PER ATC REQUEST.
2. YUGLU FIX COORDINATES CORRECTED ON -15C TO MATCH 8260-2; COURSES NOT AFFECTED.

12/03/2012. THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/9/2012.
1. ADDED ABQ DEP CON TO COMMUNICATIONS.

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MNZNO	ONE	MNZNO1.MNZNO	NONE		

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW03 (AER)	350120.09N/1063750.17W	N	-	-	-	-			
6000 MSL		-	-	VA	044.79	-		AT/BELOW 220	CG 500 FT/NM TO 9000
DLSOL	345909.86N/1063037.08W	Y	FB	DF	-	-			RIGHT TURN
YUGLU	345628.23N/1063049.07W	Y	FB	TF	183.50	2.69	AT/ BELOW 9000	AT/ BELOW 230	
CIANE	345322.71N/1063058.50W	Y	FB	TF	182.40	3.09			CG 420 FT/NM TO 11900 AFTER YUGLU
MNZNO	344817.01N/1063106.74W	Y	FB	TF	181.27	5.09	AT/ABOVE 11500	AT/BELOW 250	
RW08 (AER)*	350239.60N/1063705.69W*	N	-	-	-	-			*DISPL THLD (1000')
5860 MSL		-	-	VA	090.43	-		AT/ BELOW 220	CG 515 FT/NM TO 9000
DLSOL	345909.86N/1063037.08W	Y	FB	DF	-	-			RIGHT TURN
YUGLU	345628.23N/1063049.07W	Y	FB	TF	183.50	2.69	AT/BELOW 9000	AT/ BELOW 230	
CIANE	345322.71N/1063058.50W	Y	FB	TF	182.40	3.09			CG 420 FT/NM TO 11900 AFTER YUGLU
MNZNO	344817.01N/1063106.74W	Y	FB	TF	181.27	5.09	AT/ABOVE 11500	AT/BELOW 250	
MNZNO	344817.01N/1063106.74W	Y	-	IF	-	-			MNZNO1.CME
DADDY	344056.40N/1061121.62W	Y	FB	TF	114.15	17.85			
LARLE	342804.77N/1053812.27W	Y	FB	TF	114.97	30.24			
TACOZ	335921.25N/1051441.68W	Y	FB	TF	145.68	34.67			
CME	332014.92N/1043716.48W	Y	FB	TF	141.16	49.99			
MNZNO	344817.01N/1063106.74W	Y	-	IF	-	-			MNZNO1.ONM
HRDRK	343802.14N/1063754.34W	Y	FB	TF	208.73	11.66	AT/ABOVE 16000		
LUEGO	342904.40N/1064342.34W	Y	FB	TF	208.19	10.15			
ONM	342020.04N/1064913.69W	Y	FB	TF	207.67	9.85			
MNZNO	344817.01N/1063106.74W	Y	-	IF	-	-			MNZNO1.SJN
PEPTE	344438.26N/1064121.70W	Y	FB	TF	246.73	9.19	AT/ABOVE 15000		
WUTUP	343602.80N/1070319.35W	Y	FB	TF	244.77	20.04	AT/ABOVE 16000		
LAMSE	342558.53N/1074332.11W	Y	FB	TF	253.36	34.72			
SJN	342526.55N/1090836.71W	Y	FB	TF	269.97	70.38			
MNZNO	344817.01N/1063106.74W	Y	-	IF	-	-			MNZNO1.TXO

CHECKED
QUALITY

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MNZNO	ONE	MNZNO1.MNZNO	NONE		

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
FATTT	344525.58N/1060705.31W	Y	FB	TF	098.09	19.99			
MOLVE	344209.66N/1043736.74W	Y	FB	TF	092.11	73.82			
TXO	342942.46N/1025022.79W	Y	FB	TF	097.49	89.39			

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MNZNO RNAV	ONE	MNZNO1.MNZNO	NONE		

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CME   K2011610VTHA N33201492W104371648    N33201492W104371648E0120037722     NARCHISUM
        SUSAD        ONM   K2011680VTH  N34202004W106491369    N34202004W106491369E0130049102     NARSOCORRO
        SUSAD        SJN   K2011230VTH  N34252655W109083671    N34252655W109083671E0120068402     NARST JOHNS
        SUSAD        TXO   K4011220VTHW N34294246W102502279    N34294246W102502279E0110040602     NARTEXICO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CIANE K20    W     N34532271W106305850                    E0090     NAR           CIANE
        SUSAEAENRT   DADDY K20    W     N34405640W106112162                    E0089     NAR           DADDY
        SUSAEAENRT   DLSOL K20    W     N34590986W106303708                    E0090     NAR           DLSOL
        SUSAEAENRT   FATTT K20    W     N34452558W106070531                    E0088     NAR           FATTT
        SUSAEAENRT   HRDRK K20    W     N34380214W106375434                    E0090     NAR           HRDRK
        SUSAEAENRT   LAMSE K20    W     N34255853W107433211                    E0095     NAR           LAMSE
        SUSAEAENRT   LARLE K20    W     N34280477W105381227                    E0086     NAR           LARLE
        SUSAEAENRT   LUEGO K20    W     N34290440W106434234                    E0091     NAR           LUEGO
        SUSAEAENRT   MNZNO K20    W     N34481701W106310674                    E0090     NAR           MNZNO
        SUSAEAENRT   MOLVE K20    W     N34420966W104373674                    E0081     NAR           MOLVE
        SUSAEAENRT   PEPTE K20    W     N34443826W106412170                    E0091     NAR           PEPTE
        SUSAEAENRT   TACOZ K20    W     N33592125W105144168                    E0084     NAR           TACOZ
        SUSAEAENRT   WUTUP K20    W     N34360280W107031935                    E0092     NAR           WUTUP
        SUSAEAENRT   YUGLU K20    W     N34562823W106304907                    E0090     NAR           YUGLU

                 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 KABQK2DMNZNO14RW03  010         0        VA                    0338        + 06000     18000220              -
        SUSAP KABQK2DMNZNO14RW03  020DLSOLK2EA0E   R010DF
        SUSAP KABQK2DMNZNO14RW03  030YUGLUK2EA0E    010TF                    17250027    - 09000          230              -
        SUSAP KABQK2DMNZNO14RW03  040CIANEK2EA0E    010TF                    17140031
        SUSAP KABQK2DMNZNO14RW03  050MNZNOK2EA0EE   010TF                    17030051    + 11500          250              -
        SUSAP KABQK2DMNZNO14RW08  010         0        VA                    0794        + 05860     18000220              -
        SUSAP KABQK2DMNZNO14RW08  020DLSOLK2EA0E    010DF
        SUSAP KABQK2DMNZNO14RW08  030YUGLUK2EA0E    010TF                    17250027    - 09000          230              -
        SUSAP KABQK2DMNZNO14RW08  040CIANEK2EA0E    010TF                    17140031
        SUSAP KABQK2DMNZNO14RW08  050MNZNOK2EA0EE   010TF                    17030051    + 11500          250              -
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MNZNO RNAV	ONE	MNZNO1.MNZNO	NONE		

```
SUSAP KABQK2DMNZNO16CME   010MNZNOK2EA0E      IF                                    18000
SUSAP KABQK2DMNZNO16CME   020DADDYK2EA0E    010TF                  10320179
SUSAP KABQK2DMNZNO16CME   030LARLEK2EA0E    010TF                  10400302
SUSAP KABQK2DMNZNO16CME   040TACOZK2EA0E    010TF                  13470347
SUSAP KABQK2DMNZNO16CME   050CME  K2D 0VE   010TF                  13020500
SUSAP KABQK2DMNZNO16ONM   010MNZNOK2EA0E      IF                                    18000
SUSAP KABQK2DMNZNO16ONM   020HRDRKK2EA0E    010TF                  19770117   + 16000
SUSAP KABQK2DMNZNO16ONM   030LUEGOK2EA0E    010TF                  19720102
SUSAP KABQK2DMNZNO16ONM   040ONM  K2D 0VE   010TF                  19670099
SUSAP KABQK2DMNZNO16SJN   010MNZNOK2EA0E      IF                                    18000
SUSAP KABQK2DMNZNO16SJN   020PEPTEK2EA0E    010TF                  23570092   + 15000
SUSAP KABQK2DMNZNO16SJN   030WUTUPK2EA0E    010TF                  23380200   + 16000
SUSAP KABQK2DMNZNO16SJN   040LAMSEK2EA0E    010TF                  24240347
SUSAP KABQK2DMNZNO16SJN   050SJN  K2D 0VE   010TF                  25900704
SUSAP KABQK2DMNZNO16TXO   010MNZNOK2EA0E      IF                                    18000
SUSAP KABQK2DMNZNO16TXO   020FATTTK2EA0E    010TF                  08710200
SUSAP KABQK2DMNZNO16TXO   030MOLVEK2EA0E    010TF                  08110738
SUSAP KABQK2DMNZNO16TXO   040TXO  K4D 0VE   010TF                  08650894
```

```
                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
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MNZNO RNAV	ONE	MNZNO1.MNZNO	NONE		

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW03		010		VA		FB		033.8()		AA 06000	AB 220
	RW03	DLSOL	020		DF	R	FB	1.0				
	RW03	YUGLU	030		TF		FB	1.0	172.5()	002.7	AB 09000	AB 230
	RW03	CIANE	040		TF		FB	1.0	171.4()	003.1		
	RW03	MNZNO	050		TF		FB	1.0	170.3()	005.1	AA 11500	AB 250
	RW08		010		VA		FB		079.4()		AA 05860	AB 220
	RW08	DLSOL	020		DF		FB	1.0				
	RW08	YUGLU	030		TF		FB	1.0	172.5()	002.7	AB 09000	AB 230
	RW08	CIANE	040		TF		FB	1.0	171.4()	003.1		
	RW08	MNZNO	050		TF		FB	1.0	170.3()	005.1	AA 11500	AB 250
	CME	MNZNO	010		IF		FB					
	CME	DADDY	020		TF		FB	1.0	103.2()	017.9		
	CME	LARLE	030		TF		FB	1.0	104.0()	030.2		
	CME	TACOZ	040		TF		FB	1.0	134.7()	034.7		
	CME	CME	050		TF		FB	1.0	130.2()	050.0		
	ONM	MNZNO	010		IF		FB					
	ONM	HRDRK	020		TF		FB	1.0	197.7()	011.7	AA 16000	
	ONM	LUEGO	030		TF		FB	1.0	197.2()	010.2		
	ONM	ONM	040		TF		FB	1.0	196.7()	009.9		
	SJN	MNZNO	010		IF		FB					
	SJN	PEPTE	020		TF		FB	1.0	235.7()	009.2	AA 15000	
	SJN	WUTUP	030		TF		FB	1.0	233.8()	020.0	AA 16000	
	SJN	LAMSE	040		TF		FB	1.0	242.4()	034.7		
	SJN	SJN	050		TF		FB	1.0	259.0()	070.4		
	TXO	MNZNO	010		IF		FB					
	TXO	FATTT	020		TF		FB	1.0	087.1()	020.0		
	TXO	MOLVE	030		TF		FB	1.0	081.1()	073.8		
	TXO	TXO	040		TF		FB	1.0	086.5()	089.4		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CME	N332014.92	W1043716.48	N3320.249	W10437.275
	ONM	N342020.04	W1064913.69	N3420.334	W10649.228
	SJN	N342526.55	W1090836.71	N3425.443	W10908.612
	TXO	N342942.46	W1025022.79	N3429.708	W10250.380
	CIANE	N345322.71	W1063058.50	N3453.379	W10630.975
	DADDY	N344056.40	W1061121.62	N3440.940	W10611.360
	DLSOL	N345909.86	W1063037.08	N3459.164	W10630.618
	FATTT	N344525.58	W1060705.31	N3445.426	W10607.089
	HRDRK	N343802.14	W1063754.34	N3438.036	W10637.906
	LAMSE	N342558.53	W1074332.11	N3425.976	W10743.535
	LARLE	N342804.77	W1053812.27	N3428.080	W10538.205

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MNZNO RNAV	ONE	MNZNO1.MNZNO	NONE		

LUEGO	N342904.40	W1064342.34	N3429.073	W10643.706
MNZNO	N344817.01	W1063106.74	N3448.284	W10631.112
MOLVE	N344209.66	W1043736.74	N3442.161	W10437.612
PEPTE	N344438.26	W1064121.70	N3444.638	W10641.362
TACOZ	N335921.25	W1051441.68	N3359.354	W10514.695
WUTUP	N343602.80	W1070319.35	N3436.047	W10703.323
YUGLU	N345628.23	W1063049.07	N3456.471	W10630.818
RW03	N350120.09	W1063750.17	N3501.335	W10637.836
RW08	N350239.60	W1063705.69	N3502.660	W10637.095

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW03	05305	60
RW08	05315	54

RADIO FIX AND HOLDING DATA RECORD

NAME: CHISUM VORTAC **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 332014.92N/1043716.48W **TYPE:**

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

FIX MAKE-UP FACILITIES:

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	CME	VORTAC	278.00	098.00	R	1-1 1/2		6000	17500	5	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	331721.00N/1045612.00W	5050	4E
1	200	AAO	332136.00N/1044915.00W	4551	4E
1	265	AAO	332154.00N/1045657.00W	5082	4E
1	310	AAO	332012.00N/1045818.00W	5319	4E

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 8000.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LOC BC RWY 3	KROW	ROSWELL	NM (US)
1	VOR-B	KROW	ROSWELL	NM (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DOOKK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	JETOK			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	T/O MINS AND ODP			KROW	ROSWELL	NM (US)
DP	LATVE (RNAV)			KELP	EL PASO	TX (US)
DP	MIDLAND			KMAF	MIDLAND	TX (US)
EN ROUTE	J15					(US)
EN ROUTE	J166					(US)
EN ROUTE	J26					(US)
EN ROUTE	J65					(US)
EN ROUTE	V280					(US)
EN ROUTE	V291					(US)
EN ROUTE	V68					(US)
EN ROUTE	V83					(US)
EN ROUTE	V14					NM (US)
IAP	VOR/DME RWY 3			KALM	ALAMOGORDO	NM (US)
IAP	NDB RWY 12			KATS	ARTESIA	NM (US)
IAP	NDB RWY 30			KATS	ARTESIA	NM (US)
IAP	RNAV (GPS) RWY 12			KATS	ARTESIA	NM (US)
IAP	RNAV (GPS) RWY 21			KATS	ARTESIA	NM (US)
IAP	HI ILS OR LOC RWY 21		1	KROW	ROSWELL	NM (US)
IAP	ILS OR LOC RWY 21		1	KROW	ROSWELL	NM (US)
IAP	LOC BC RWY 3		1	KROW	ROSWELL	NM (US)
IAP	RNAV (GPS) RWY 17			KROW	ROSWELL	NM (US)
IAP	RNAV (GPS) RWY 21			KROW	ROSWELL	NM (US)
IAP	RNAV (GPS) RWY 3			KROW	ROSWELL	NM (US)
IAP	RNAV (GPS) RWY 35			KROW	ROSWELL	NM (US)
IAP	VOR-B		1	KROW	ROSWELL	NM (US)
IAP	ILS OR LOC/DME RWY 24			KSRR	RUIDOSO	NM (US)
STAR	LZZRD (RNAV)			KABQ	ALBUQUERQUE	NM (US)
STAR	MIERA			KABQ	ALBUQUERQUE	NM (US)
STAR	MIERA			KAEG	ALBUQUERQUE	NM (US)
STAR	SAMMR (RNAV)			KELP	EL PASO	TX (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 17 **DATE OF REVISION:** 11/15/2012

QUALITY CHECKED

REASON FOR REVISION:
ADDED DP TO REQUIRED CHARTING.
UPDATED FIX USE; ADDED MNZNO (RNAV) SID.

DEVELOPED BY:	**DATE:** 06/22/2012	**OFFICE:** AJV-353	**NAME:** BEV L BORDY
APPROVED BY:	**DATE:**	**OFFICE:** AJV-353	**NAME:** LARRY STROUT
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ROW APP CON, ELP APP CON, ABQ AP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CIANE **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345322.71N/1063058.50W **TYPE:** WP

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

FIX USE:

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

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/23/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DADDY **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 344056.40N/1061121.62W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DOOKK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	JETOK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 01/28/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DLSOL **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345909.86N/1063037.08W **TYPE:** WP

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

FIX USE:

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

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/23/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FATTT **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 344525.58N/1060705.31W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DOOKK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	JETOK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 01/25/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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: HRDRK **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 343802.14N/1063754.34W **TYPE:** WP

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

FIX USE:

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

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/23/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LAMSE **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 342558.53N/1074332.11W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BOSQE (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	JETOK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 01/25/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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

SIGNATURE:

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

QUALITY CHECKED 3

RADIO FIX AND HOLDING DATA RECORD

NAME: LARLE **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 342804.77N/1053812.27W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DOOKK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	JETOK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 01/25/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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: LUEGO **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 342904.40N/1064342.34W **TYPE:** WP

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

FIX USE:

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

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/03/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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: MNZNO **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 344817.01N/1063106.74W **TYPE:** WP

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

FIX USE:

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

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/03/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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

SIGNATURE:

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

QUALITY CHECKED 3

RADIO FIX AND HOLDING DATA RECORD

NAME: MOLVE **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 344209.66N/1043736.74W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DOOKK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	JETOK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 01/25/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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

SIGNATURE:

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

QUALITY CHECKED 3

RADIO FIX AND HOLDING DATA RECORD

NAME: PEPTE **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 344438.26N/1064121.70W **TYPE:** WP

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

FIX USE:

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

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/03/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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: TACOZ **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 335921.25N/1051441.68W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DOOKK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	JETOK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 01/25/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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: TEXICO VORTAC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 342942.46N/1025022.79W **TYPE:**

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

FIX MAKE-UP FACILITIES:

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	TXO	VORTAC	320.96	140.96	R	1		5800	14000	5	10
2	NE	TXO	VORTAC	061.00	241.00	R	1		5600	14000	5	10
3	NE		WP	061.00	241.00	R		5	5600	14000	6	11
4	NW		WP	322.96	142.96	R		5	5800	14000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-001675)	343109.00N/1025244.00W	4553	3C
2	200	TOWER (48-001675)	343109.00N/1025244.00W	4553	3C
3	200	TOWER (48-001675)	343109.00N/1025244.00W	4553	3C
4	200	TOWER (48-001675)	343109.00N/1025244.00W	4553	3C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALBUQUERQUE DEPARTURE			KABQ	ALBUQUERQUE	NM (US)
DP	DOOKK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	JETOK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	TEXICO DEPARTURE			KCVS	CLOVIS	NM (US)
DP	WORTH DEPARTURE			KGKY	ARLINGTON	TX (US)
DP	WORTH DEPARTURE			KADS	DALLAS	TX (US)
DP	COYOTE DEPARTURE			KDAL	DALLAS	TX (US)
DP	LOVE DEPARTURE			KDAL	DALLAS	TX (US)
DP	WORTH DEPARTURE			KDAL	DALLAS	TX (US)
DP	WORTH DEPARTURE			KRBD	DALLAS	TX (US)
DP	CEOLA DEPARTURE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	COYOTE DEPARTURE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH DEPARTURE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH DEPARTURE			KDTO	DENTON	TX (US)
DP	WORTH DEPARTURE			KAFW	FORT WORTH	TX (US)
DP	WORTH DEPARTURE			KFTW	FORT WORTH	TX (US)
DP	WORTH DEPARTURE			KFWS	FORT WORTH	TX (US)
DP	WORTH DEPARTURE			KNFW	FORT WORTH	TX (US)
DP	WORTH DEPARTURE			KGPM	GRAND PRAIRIE	TX (US)
DP	WORTH DEPARTURE			KLNC	LANCASTER	TX (US)
DP	WORTH DEPARTURE			KTKI	MC KINNEY	TX (US)
DP	WORTH DEPARTURE			KHQZ	MESQUITE	TX (US)
EN ROUTE	J26					(US)
EN ROUTE	J72					(US)
EN ROUTE	J74					(US)
EN ROUTE	V278					(US)
EN ROUTE	V280					(US)
EN ROUTE	V530					(US)
EN ROUTE	V62					TX (US)
IAP	ILS RWY 4		2	KCVN	CLOVIS	NM (US)
IAP	RNAV (GPS) RWY 22		3	KCVN	CLOVIS	NM (US)
IAP	RNAV (GPS) RWY 30		3	KCVN	CLOVIS	NM (US)
IAP	VOR RWY 22		2	KCVN	CLOVIS	NM (US)
IAP	HI-ILS OR LOC RWY 21			KROW	ROSWELL	NM (US)
IAP	NDB OR GPS RWY 1			KLIU	LITTLEFIELD	TX (US)
IAP	RNAV (GPS)-B		4	K2T1	MULESHOE	TX (US)
IAP	VOR/DME-A		1	K2T1	MULESHOE	TX (US)
STAR	MIERA ARRIVAL			KABQ	ALBUQUERQUE	NM (US)
STAR	GREGS ARRIVAL			KDAL	DALLAS	TX (US)
STAR	BOWIE ARRIVAL			KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MOTZA ARRIVAL			KAFW	FORT WORTH	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 03/10/2011

REASON FOR REVISION:
1. UPDATED PAT 3 DME LEG LENGTH FROM 4 TO 5.
2. UPDATED PAT 4 DME LEG LENGTH FROM 4 TO 5.
3. UPDATED PAT 1 CONTROLLING OBSTACLE.
4. UPDATED PAT 2 CONTROLLING OBSTACLE.
5. UPDATED PAT 3 CONTROLLING OBSTACLE CODE.
6. UPDATED PAT 4 CONTROLLING OBSTACLE.
7. ADDED PRECIPITOUS TERRAIN EVALUATION NOTE.
8. ADDED REMARK FOR LIMITED HOLDING.
9. UPDATED FIX USE.

DEVELOPED BY:	**DATE:** 08/12/2010	**OFFICE:** AVN-120	**NAME:** JOSE ALFONSO (STEPHEN PETERSON)
APPROVED BY:	**DATE:** 11/30/2010	**OFFICE:** AVN-120	**NAME:** GREGORY YAMAMOTO
	SIGNATURE:		

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

RADIO FIX AND HOLDING DATA RECORD

NAME: WUTUP **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 343602.80N/1070319.35W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BOSQE (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	JETOK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 01/25/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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: YUGLU **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345628.23N/1063049.07W **TYPE:** WP

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

FIX USE:

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

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/29/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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: SAINT JOHNS VORTAC **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 342526.55N/1090836.71W **TYPE:**

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SAINT JOHNS	SJN	VORTAC	H							45000

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	SJN	VORTAC	059.00	239.00	R	1-1 1/2		9000	17500	9	16
2	NE		WP	059.00	239.00	R		7	9000	17500	10	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	342106.00N/1090418.00W	7294	4E
1	310	AAO	343700.00N/1084548.00W	7750	4E
2	230	AAO	342043.00N/1090418.00W	7304	4E
2	310	AAO	343702.00N/1084548.00W	7750	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR/DME-A	KSJN	ST JOHNS	AZ (US)
1	TEXTUAL DEPARTURE	KSJN	ST JOHNS	AZ (US)

REMARKS:
ADDITIONAL CONTROLLED AIRSPACE REQUIRED TO ENCOMPASS HOLDING (P-16).
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAXXO			KPHX	PHOENIX	AZ (US)
DP	ST JOHNS			KPHX	PHOENIX	AZ (US)
DP	SCOTTSDALE			KSDL	SCOTTSDALE	AZ (US)
DP	TEXTUAL DEPARTURE		1	KSJN	ST JOHNS	AZ (US)
DP	CAMBA			KTYL	TAYLOR	AZ (US)
DP	ALBUQUERQUE			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)
EN ROUTE	J108					(US)
EN ROUTE	J18					(US)
EN ROUTE	J231					(US)
EN ROUTE	J74					(US)
EN ROUTE	V190					(US)
EN ROUTE	V234					(US)
EN ROUTE	V264					(US)
EN ROUTE	V528					(US)
IAP	RNAV (GPS) RWY 24			KSOW	SHOW LOW	AZ (US)
IAP	RNAV (GPS) RWY 21			KD68	SPRINGERVILLE	AZ (US)
IAP	RNAV (GPS) RWY 14		2	KSJN	ST JOHNS	AZ (US)
IAP	RNAV (GPS) RWY 32		2	KSJN	ST JOHNS	AZ (US)
IAP	VOR/DME-A		1	KSJN	ST JOHNS	AZ (US)
IAP	GPS RWY 21			KTYL	TAYLOR	AZ (US)
IAP	HI-ILS OR LOC RWY 8			KABQ	ALBUQUERQUE	NM (US)
IAP	HI-TACAN RWY 8			KABQ	ALBUQUERQUE	NM (US)
STAR	BUNTR			KPHX	PHOENIX	AZ (US)
STAR	LAVAN			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 05/05/2011

REASON FOR REVISION:
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/19/2010 **OFFICE:** AVN-130 **NAME:** TOBY HUFF (VINNY WILLIS)

QUALITY CHECKED 3

APPROVED BY: **DATE:** 02/24/2011 **OFFICE:** AVN-130 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SOCORRO VORTAC **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 342020.04N/1064913.69W **TYPE:**

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

FIX MAKE-UP FACILITIES:

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

FIX RESTRICTIONS:
MCA V264 10000 WESTBOUND

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N	ONM	VORTAC	002.00	182.00	R	1-1 1/2		8000	17500	8	16
2	S	ONM	VORTAC	165.00	345.00	L	1-1 1/2		8000	17500	8	16
3	N		WP	006.00	186.00	R		7	8000	14000	9	11
4	N	ONM	VORTAC	002.00	182.00	R	1		10000	14000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	341903.00N/1064333.00W	5676	4E
2	230	AAO	341100.00N/1065945.00W	7641	4E
3	230	AAO	341903.00N/1064330.00W	5719	2C
4	230	AAO	341903.00N/1064333.00W	5676	4E
4	310	AAO	342552.00N/1070514.40W	9410	6A

REASON FOR NONSTANDARD HOLDING:
PAT 2 AVOID R-5107C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	T/O MINS AND DP	KONM	SOCORRO	NM (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PATTERN 2 CONTROLLING OBSTRUCTION LOCATED 4260' INTO SECONDARY.
PATTERN 4 CLIMB IN HOLD OBSTACLE LOCATED 4032' INTO SECONDARY.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAXXO			KPHX	PHOENIX	AZ (US)
DP	SCOTTSDALE			KSDL	SCOTTSDALE	AZ (US)
DP	ALBUQUERQUE			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	T/O MINS AND DP		4	KONM	SOCORRO	NM (US)
EN ROUTE	J104					(US)
EN ROUTE	J142					(US)
EN ROUTE	J57					(US)
EN ROUTE	V187					(US)
EN ROUTE	V264					(US)
EN ROUTE	V611					(US)
IAP	HI-ILS OR LOC RWY 8			KABQ	ALBUQUERQUE	NM (US)
IAP	HI-TACAN RWY 8			KABQ	ALBUQUERQUE	NM (US)
IAP	VOR OR TACAN RWY 8			KABQ	ALBUQUERQUE	NM (US)
IAP	VOR/DME-A		2	KE80	BELEN	NM (US)
IAP	RNAV (GPS) RWY 33		3	KONM	SOCORRO	NM (US)
IAP	VOR/DME-A		1	KONM	SOCORRO	NM (US)
STAR	LAVAN			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
CHANGED NAVAID FROM HISTORY TO ACTIVE STATUS.

DEVELOPED BY:	**DATE:** 09/21/2011	**OFFICE:** AJV-353	**NAME:** JOSE ALFONSO (DAVID JENNER)
APPROVED BY:	**DATE:** 03/08/2012	**OFFICE:** AJV-353	**NAME:** GREGORY YAMAMOTO
	SIGNATURE:		

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

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:

ALBUQUERQUE, NM
ALBUQUERQUE INTL SUNPORT (KABQ)
MNZNO (RNAV) DEPARTURE PROCEDURE

2. Waiver Required and Applicable Standard:

FAAO 8260.46D, PARA 2-1 e. (2). MULTIPLE CLIMB GRADIENTS ARE REQUIRED ON THE MNZNO (RNAV) DEPARTURE PROCEDURE TO COMPLY WITH NECESSARY ALTITUDE RESTRICTIONS AND OBSTACLE CLEARANCE.

3. Reason for Waiver *(Justification for nonstandard treatment)*:

A 7158 FT AAO LOCATED AT N350130.00 W1062903.00 REQUIRES A MINIMUM CLIMB GRADIENT OF 515 FT PER NM FOR OBSTRUCTION CLEARANCE AS CALCULATED FROM THE DER FOR RWY 8, AND A MINIMUM CLIMB GRADIENT OF 397 FT PER NM FOR OBSTRUCTION CLEARANCE AS CALCULATED FROM THE DER FOR RWY 3. ATC REQUIRES AN INITIAL CLIMB OF 500 FT PER NM TO 500 FT AGL, AND THEY HAVE ALSO REQUESTED AN AT OR BELOW ALTITUDE TO BE ESTABLISHED AT YUGLU. FOR THE INITIAL SEGMENT LEADING TO YUGLU, A MINIMUM CLIMB GRADIENT OF 515 FT FOR RWY 8 AND 500 FT FOR RWY 3 FOR HAS BEEN SPECIFIED TO 9000 FT MSL. THIS CLIMB SATISFIES BOTH OBSTACLE CLEARANCE REQUIREMENTS FOR THE SEGMENT LEADING TO YUGLU, AS WELL AS THE ATC REQUEST FOR AIRCRAFT TO CLIMB AT 500 FT PER NM TO 500 FT AGL. DUE TO THE INCREASED CLIMB GRADIENT LEADING TO YUGLU, A CLIMB GRADIENT OF ONLY 420 FT PER NM FOLLOWING YUGLU IS REQUIRED TO CLEAR A 9836 FT AAO LOCATED AT N344554.00 W1062545.00.

4. Equivalent Level of Safety Provided:

CLIMB GRADIENT CALCULATIONS ARE BASED ON BEGINNING THE LEVEL SURFACE EVALUATION AT 7200 AT THE FIX YUGLU (AIRCRAFT CROSS FIX AT OR BELOW 9000) AND DELAYING THE SURFACE RISE UNTIL THE END OF APPLICABLE FIX DISPLACMENT TOLERANCE (FDT) AT YUGLU UNTIL THE BEGINNING OF THE FDT AT THE FIX MNZNO, WHERE THE MOCA IS 11900 FOR THE HIGHEST TRANSITION SEGMENT THAT FOLLOWS.THE CONTROLLING OBSTACLE FOR THESE SEGMENTS IS A 9836 FOOT MSL AAO LOCATED 5.02 NM AFTER PASSING MNZNO.

RADAR IS REQUIRED FOR ALL AIRCRAFT USING THIS PROCEDURE.
THE CLIMB GRADIENT FOR THE SEGMENT FOLLOWING YUGLU IS BASED ON THE OCS BEGINNING AT 7200 FT MSL. AIRCRAFT WILL BE AT 9000 FT AT YUGLU BASED ON THE CLIMB GRADIENTS LEADING TO YUGLU, THEREFORE THE DIFFERENCE BETWEEN THE AIRCRAFT AND THE ORIGIN OF THE SECOND SEGMENT'S OCS IS 1800 FT. THE CHARTED 420 FT PER NM CLIMB GRADIENT PROVIDES AN ADDITIONAL 100.8 FT OF ROC PER MILE (420 * .24). WHEN THE AIRCRAFT PASSES THE 9836 FT AAO, IT WILL BE 3821 FT ABOVE IT. IN THE EVENT THE AIRCREW NEGLECTS THE SECOND CLIMB RATE AND INSTEAD ONLY CLIMBS AT 200 FT PER NM, THEY WOULD STILL CROSS THE AAO 1382 FT ABOVE IT.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:

N/A

6. Coordination With User Organizations *(Specify)*:

AJV-353_____
AJV-351_____

7. SUBMITTED BY

DATE:	Office Identification:	Title:	Signature:
	AJV-35	MANAGER, TERMINAL PRODUCTS GROUP	GREGORY YAMAMOTO

8. CONTINUATION
Comments:

9. AFS ACTION		
	☐	Approved
	☐	Disapproved
	☐	Not Required

Comments:		
Date:	Routing Symbol:	Signature:

Name:	enanders
Project Name:	
Output File:	KABQ SID RW08 SJN 20120802_0904
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	8/2/2012 9:04:13 AM
Input File:	KABQ MNZNO SID RW08 SJN 20120629_0944.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	Please Check Flyability Results
DME/DME	
Radars	
Comms	
TERPS	

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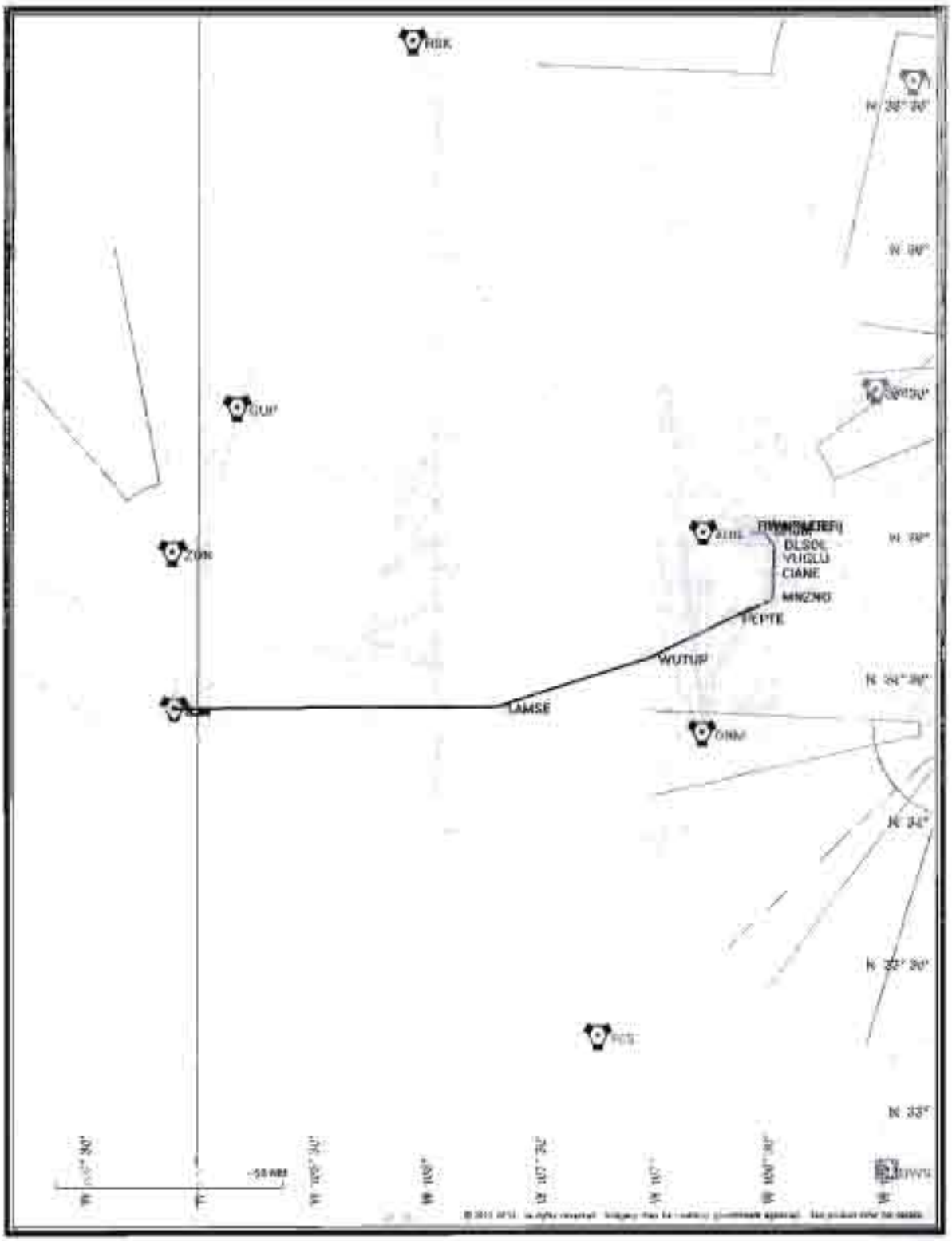

DLSOL
VUGLU
CIANE
MNZNO
TEPTE
WUTUP
LAMSE
N 33°

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW08(A...	WP	N 35° 2' 39.67" W 106° 37' 17.72"	5311.9	VNAV	0.0	Fly Over	TF
RW26(D...	WP	N 35° 2' 38.63" W 106° 34' 31.89"	5389.9	VNAV	130.0	Fly Over	VA
GH08:	WP	N 35° 2' 38.14" W 106° 33' 18.07"	5860.0	VNAV	220.0	Fly Over	DF
DLSOL	WP	N 34° 59' 9.86" W 106° 30' 37.08"	6681.4	VNAV	230.0	Fly By	TF
YUGLU	WP	N 34° 56' 28.23" W 106° 30' 49.07"	7220.3	VNAV	180.0	Fly By	TF
CIANE	WP	N 34° 53' 22.71" W 106° 30' 58.50"	7838.3	VNAV	230.0	Fly By	TF
MNZNO	WP	N 34° 48' 17.01" W 106° 31' 6.74"	11500.0	VNAV	250.0	Fly By	TF
PEPTE	WP	N 34° 44' 38.26" W 106° 41' 21.70"	15000.0	VNAV	210.0	Fly By	TF
WUTUP	WP	N 34° 36' 2.80" W 107° 3' 19.35"	16000.0	VNAV	240.0	Fly By	TF
LAMSE	WP	N 34° 25' 58.53" W 107° 43' 32.11"	18000.0	VNAV	240.0	Fly By	TF
SJN	WP	N 34° 25' 26.55" W 109° 8' 36.71"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient:

Table:

500.0 Ft/NM up to **9000.0 Ft MSL**

360.0 Ft/NM up to **16000.0 Ft MSL**

Flyability

Return To Summary

Settings:

Flight Type: Runway Departure
Selected Airport: KABQ
Aircraft Category: Cat D
Climb Gradient:

Table
500.0 Ft/NM up to **9000.0 Ft MSL**
360.0 Ft/NM up to **16000.0 Ft MSL**

Ground Speeds:

Departure: **120.0 Kts** out to **10.0 NM**
Table
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Aircraft ALTITUDE at Fly-By WP DLSOL too high

Aircraft ALTITUDE at Fly-By WP YUGLU too high

Aircraft ALTITUDE at Fly-By WP CIANE too high

Aircraft ALTITUDE at Fly-By WP MNZNO too low

Aircraft ALTITUDE at Fly-By WP PEPTE too low

Flight Track comes into contact with terrain. Minimum AGL along route was -16.19 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2.0 NM of DER

DME/DME

Return To Summary

Settings:

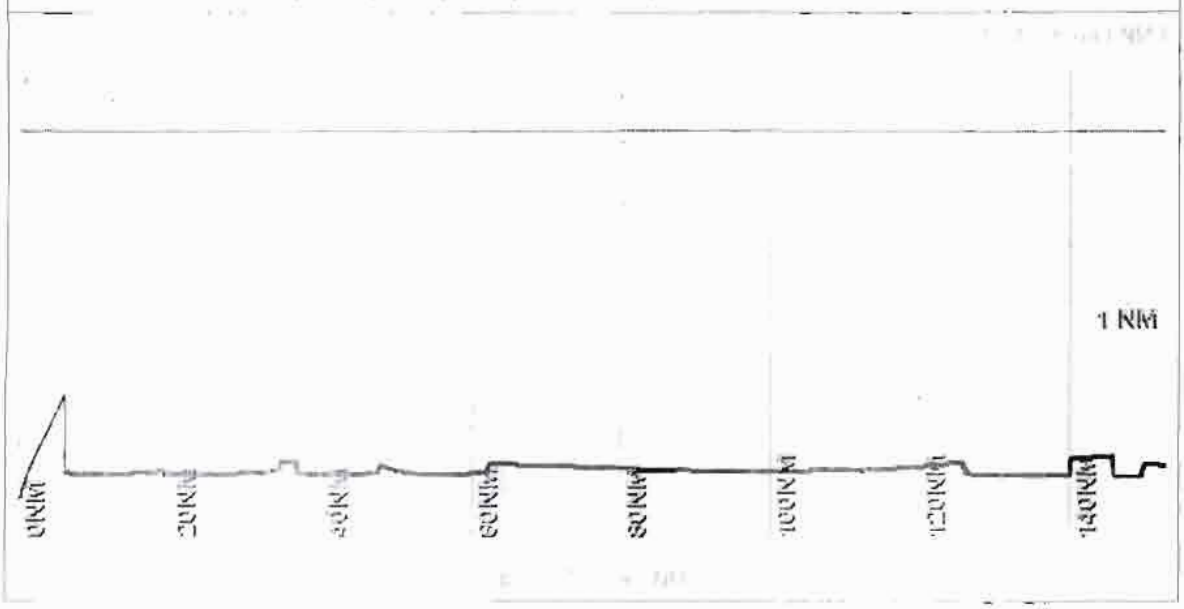
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Initial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 7184 Ft.

Total Number of DMEs Used: 8

Maximum [illegible] Error [illegible] NM.

1 Critical DME was found

Available DMEs: ABQ, ONM, CNX, ACH, SJN, GUP, ZUN, INW



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	YES	Drift Time	Enabled	33.0 %	29.6 %
2	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H + ESV	User	NO	1.338	Enabled	68.6 %	70.7 %
3	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H + ESV	User	NO	0.724	Enabled	16.3 %	17.3 %
4	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H + ESV	User	NO	0.614	Enabled	1.3 %	1.4 %
5	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H + ESV	User	NO	0.614	Enabled	47.6 %	54.3 %
6	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H + ESV	User	NO	0.614	Enabled	10.2 %	11.8 %
7	ZUN	N 34° 57' 56.71" W 109° 9' 16.24" E 14	H + ESV	User	NO	0.614	Enabled	4.2 %	4.9 %
8	INW	N 35° 3' 41.77" W 110° 47' 42.09" E 14	H + ESV	User	NO	0.614	Enabled	1.7 %	2.0 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.3	ABQ					
3.3	ABQ	ONM				
7.3	ABQ	ONM				
10.2	ABQ	ONM				
13.2	ABQ	ONM				
17.3	ABQ	ONM	CNX			
27.2	ABQ	ONM	CNX	ACH	SJN	
46.9	ABQ	ONM	CNX	GUP	SJN	
81.5	ABQ	ONM	ZUN	GUP	SJN	
112.5	ABQ	INW	ZUN	GUP	SJN	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 35° 2' 39.67" W 106° 37' 17.72"	N 35° 0' 37.19" W 106° 31' 33.44"	5.9
	VOR: ABQ	Available from N 35° 2' 39.67" W 106° 37' 17.72" to N 35° 0' 37.19" W 106° 31' 33.44"	
	VOR: OTO	Available from N 35° 2' 39.67" W 106° 37' 17.72" to N 35° 0' 37.19" W 106° 31' 33.44"	
	VOR: SAF	Available from N 35° 2' 39.41" W 106° 36' 34.82" to N 35° 0' 37.19" W 106° 31' 33.44"	
2	N 35° 0' 14.19" W 106° 31' 18.59"	N 35° 0' 5.35" W 106° 31' 12.88"	0.2
	VOR: ABQ	Available from N 35° 0' 14.19" W 106° 31' 18.59" to N 35° 0' 5.35" W 106° 31' 12.88"	
	VOR: OTO	Available from N 35° 0' 14.19" W 106° 31' 18.59" to N 35° 0' 5.35" W 106° 31' 12.88"	
	VOR: SAF	Available from N 35° 0' 14.19" W 106° 31' 18.59" to N 35° 0' 5.35" W 106° 31' 12.88"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H	5823.1	115.30	RSK	Not Used
		ESV: Bearing [True]: 76.0° to 144.0° Bearing [Mag]: 62.0° to 130.0°			Arc Distance: Out to 105.0 NM Altitude: 16800.0 to 24000.0 Ft.		
		ESV: Bearing [True]: 118.0° to 143.0° Bearing [Mag]: 104.0° to 129.0°			Arc Distance: Out to 97.0 NM Altitude: 16600.0 to 22000.0 Ft.		
		ESV: Bearing [True]: 158.0° to 207.0° Bearing [Mag]: 144.0° to 193.0°			Arc Distance: Out to 110.0 NM Altitude: 16000.0 to 24000.0 Ft.		
		ESV: Bearing [True]: 115.0° to 165.0° Bearing [Mag]: 101.0° to 151.0°			Arc Distance: Out to 95.0 NM Altitude: 12000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
2	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV:	Bearing [True]: 354.0° to 14.0° Bearing [Mag]: 341.0° to 1.0°		Arc Distance: Out to 126.0 NM Altitude: 13900.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 355.0° to 37.0° Bearing [Mag]: 342.0° to 24.0°		Arc Distance: Out to 67.0 NM Altitude: 7000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 302.0° to 371.0° Bearing [Mag]: 289.0° to 358.0°		Arc Distance: Out to 76.0 NM Altitude: 7400.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 269.0° to 362.0° Bearing [Mag]: 256.0° to 349.0°		Arc Distance: Out to 83.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 364.0° to 52.0° Bearing [Mag]: 351.0° to 39.0°		Arc Distance: Out to 45.0 NM Altitude: 6500.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 352.0° to 14.0° Bearing [Mag]: 339.0° to 1.0°		Arc Distance: Out to 105.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 353.0° to 20.0° Bearing [Mag]: 340.0° to 7.0°		Arc Distance: Out to 50.0 NM Altitude: 7500.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 333.0° to 25.0° Bearing [Mag]: 320.0° to 12.0°		Arc Distance: Out to 65.0 NM Altitude: 12000.0 to 25000.0 Ft.		
3	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
		Restriction:	Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°		Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
		ESV:	Bearing [True]: 316.0° to 28.0° Bearing [Mag]: 303.0° to 15.0°		Arc Distance: Out to 82.0 NM Altitude: 9900.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 68.0° to 254.0° Bearing [Mag]: 55.0° to 241.0°		Arc Distance: Out to 117.0 NM Altitude: 16000.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 111.0° to 177.0° Bearing [Mag]: 98.0° to 164.0°		Arc Distance: Out to 35.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 40.0° to 80.0° Bearing [Mag]: 27.0° to 67.0°		Arc Distance: Out to 29.0 NM Altitude: 10000.0 to 29000.0 Ft.		
		ESV:	Bearing [True]: 345.0° to 45.0° Bearing [Mag]: 332.0° to 32.0°		Arc Distance: Out to 65.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 111.0° to 185.0° Bearing [Mag]: 98.0° to 172.0°		Arc Distance: Out to 35.0 NM Altitude: 7000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Latitude/Longitude/GVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
4	GUP	N 35° 25' 12.6" W 106° 5' 1"	H	7053.1	115.10	GUP	Used
		Bearing [True]: 18.0° to 67.0° Bearing [Mag]: 4.0° to 53.0°			Arc Distance: Out to 87.0 NM Altitude: 16000.0 to 30000.0 Ft.		
	ESV	Bearing [True]: 106.0° to 114.0° Bearing [Mag]: 92.0° to 100.0°			Arc Distance: Out to 75.0 NM Altitude: 17000.0 to 22000.0 Ft.		
	ESV	Bearing [True]: 123.0° to 193.0° Bearing [Mag]: 109.0° to 179.0°			Arc Distance: Out to 100.0 NM Altitude: 17000.0 to 22000.0 Ft.		
	ESV	Bearing [True]: 22.0° to 69.0° Bearing [Mag]: 8.0° to 55.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 25000.0 Ft.		
	ESV	Bearing [True]: 126.0° to 195.0° Bearing [Mag]: 111.0° to 181.0°			Arc Distance: Out to 102.0 NM Altitude: 14000.0 to 25000.0 Ft.		
	ESV	Bearing [True]: 119.0° to 211.0° Bearing [Mag]: 105.0° to 197.0°			Arc Distance: Out to 58.0 NM Altitude: 13000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H	6412.0	115.50	CNX	Used

Restriction:	Bearing [True]: 128.0° to 132.0° Bearing [Mag]: 115.0° to 119.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 128.0° to 148.0° Bearing [Mag]: 115.0° to 135.0°	Distance: Beyond 35.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 132.0° to 134.0° Bearing [Mag]: 119.0° to 121.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
Restriction:	Bearing [True]: 134.0° to 148.0° Bearing [Mag]: 121.0° to 135.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 148.0° to 198.0° Bearing [Mag]: 135.0° to 185.0°	Distance: Beyond 20.0 NM Altitude: Below 12000.0 Ft.
Restriction:	Bearing [True]: 198.0° to 218.0° Bearing [Mag]: 185.0° to 205.0°	Distance: Beyond 20.0 NM Altitude: Below 13000.0 Ft.
Restriction:	Bearing [True]: 218.0° to 228.0° Bearing [Mag]: 205.0° to 215.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
Restriction:	Bearing [True]: 218.0° to 273.0° Bearing [Mag]: 205.0° to 260.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft.
Restriction:	Bearing [True]: 228.0° to 258.0° Bearing [Mag]: 215.0° to 245.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft.
Restriction:	Bearing [True]: 258.0° to 273.0° Bearing [Mag]: 245.0° to 260.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
ESV:	Bearing [True]: 311.0° to 323.0° Bearing [Mag]: 298.0° to 310.0°	Arc Distance: Out to 96.0 NM Altitude: 12300.0 to 22000.0 Ft.
ESV:	Bearing [True]: 268.0° to 291.0° Bearing [Mag]: 255.0° to 278.0°	Arc Distance: Out to 72.0 NM Altitude: 13300.0 to 22000.0 Ft.
ESV:	Bearing [True]: 290.0° to 320.0° Bearing [Mag]: 277.0° to 307.0°	Arc Distance: Out to 65.0 NM Altitude: 13000.0 to 25000.0 Ft.
ESV:	Bearing [True]: 90.0° to 146.0° Bearing [Mag]: 77.0° to 133.0°	Arc Distance: Out to 65.0 NM Altitude: 13000.0 to 30000.0 Ft.
ESV:	Bearing [True]: 29.0° to 87.0° Bearing [Mag]: 16.0° to 74.0°	Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.
ESV:	Bearing [True]: 122.0° to 251.0° Bearing [Mag]: 109.0° to 238.0°	Arc Distance: Out to 75.0 NM Altitude: 14000.0 to 25000.0 Ft.
ESV:	Bearing [True]: 290.0° to 320.0° Bearing [Mag]: 277.0° to 307.0°	Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 25000.0 Ft.
ESV:	Bearing [True]: 275.0° to 309.0° Bearing [Mag]: 262.0° to 296.0°	Arc Distance: Out to 70.0 NM Altitude: 11500.0 to 23000.0 Ft.
ESV:	Bearing [True]: 127.0° to 149.0° Bearing [Mag]: 114.0° to 136.0°	Arc Distance: Out to 91.0 NM Altitude: 16000.0 to 22000.0 Ft.

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

			Range	Elevation [Ft]			Status
6	ACH		H	5145.0	117.55	ACH	Used
			281.0° to 288.0° 269.0° to 276.0°				
	ESV		Bearing [True]: 110.0° to 235.0° Bearing [Mag]: 98.0° to 223.0°		Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
	ESV		Bearing [True]: 239.0° to 270.0° Bearing [Mag]: 227.0° to 258.0°		Arc Distance: Out to 100.0 NM Altitude: 13000.0 to 25000.0 Ft.		
	ESV		Bearing [True]: 160.0° to 242.0° Bearing [Mag]: 148.0° to 230.0°		Arc Distance: Out to 133.0 NM Altitude: 10000.0 to 22000.0 Ft.		
7	[illegible]	N [illegible] 11' W [illegible] 11' E	L	6253.2	[illegible]	[illegible]	Not Used
	Restrictions		Bearing [True]: 28.0° to 43.0° Bearing [Mag]: 15.0° to 30.0°		Distance: Beyond 30.0 NM Altitude: [illegible] Ft.		
	ESV		Bearing [True]: 246.0° to 256.0° Bearing [Mag]: 233.0° to 243.0°		Arc Distance: Out to 45.0 NM Altitude: 12500.0 to 26000.0 Ft.		
	ESV		Bearing [True]: 238.0° to 305.0° Bearing [Mag]: 225.0° to 292.0°		Arc Distance: Out to 45.0 NM Altitude: 9000.0 to 25000.0 Ft.		
	ESV		Bearing [True]: 245.0° to 255.0° Bearing [Mag]: 232.0° to 242.0°		Arc Distance: Out to 68.0 NM Altitude: 14000.0 to 26000.0 Ft.		
	ESV		Bearing [True]: 210.0° to 233.0° Bearing [Mag]: 197.0° to 220.0°		Arc Distance: Out to 102.0 NM Altitude: [illegible] to 25000.0 Ft.		
	[illegible]		Bearing [True]: 203.0° to 220.0° Bearing [Mag]: 190.0° to 207.0°		Arc Distance: Out to 74.0 NM Altitude: 10000.0 to 25000.0 Ft.		
	[illegible]		Bearing [True]: 183.0° to 230.0° Bearing [Mag]: 170.0° to 217.0°		Arc Distance: Out to 65.0 NM Altitude: [illegible] to 25000.0 Ft.		
	ESV		Bearing [True]: 81.0° to 236.0° Bearing [Mag]: 68.0° to 223.0°		Arc Distance: Out to 45.0 NM Altitude: 10000.0 to 25000.0 Ft.		
	ESV		Bearing [True]: 275.0° to 310.0° Bearing [Mag]: 262.0° to 297.0°		Arc Distance: Out to 55.0 NM Altitude: 12500.0 to 25000.0 Ft.		
	ESV		Bearing [True]: 191.0° to 232.0° Bearing [Mag]: 178.0° to 219.0°		Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 25000.0 Ft.		
	ESV		Bearing [True]: 183.0° to 230.0° Bearing [Mag]: 170.0° to 217.0°		Arc Distance: Out to 66.0 NM Altitude: 7500.0 to 25000.0 Ft.		
	[illegible]		Bearing [True]: 206.0° to 221.0° Bearing [Mag]: 192.0° to 208.0°		Arc Distance: Out to 68.0 NM Altitude: 12000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
8	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	6840.0	112.30	SJN	Used
		ESV:	Bearing [True]: 358.0° to 69.0° Bearing [Mag]: 346.0° to 57.0°		Arc Distance: Out to 103.0 NM Altitude: 15100.0 to 26000.0 Ft.		
		ESV:	Bearing [True]: 36.0° to 142.0° Bearing [Mag]: 24.0° to 130.0°		Arc Distance: Out to 110.0 NM Altitude: 15600.0 to 26000.0 Ft.		
		ESV:	Bearing [True]: 74.0° to 106.0° Bearing [Mag]: 62.0° to 94.0°		Arc Distance: Out to 58.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 57.0° to 105.0° Bearing [Mag]: 45.0° to 93.0°		Arc Distance: Out to 95.0 NM Altitude: 15000.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 347.0° to 58.0° Bearing [Mag]: 335.0° to 46.0°		Arc Distance: Out to 71.0 NM Altitude: 13000.0 to 25000.0 Ft.		
9	TCS	N 33° 16' 57.01" W 107° 16' 49.95" E 13	H	4905.0	112.70	TCS	Not Used
		ESV:	Bearing [True]: 13.0° to 24.0° Bearing [Mag]: 0.0° to 11.0°		Arc Distance: Out to 87.0 NM Altitude: 13800.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 315.0° to 334.0° Bearing [Mag]: 302.0° to 321.0°		Arc Distance: Out to 100.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 19.0° to 94.0° Bearing [Mag]: 6.0° to 81.0°		Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
10	BWS	N 32° 49' 16.52" W 106° 0' 47.35" E 11	L	4100.0	109.60	BWS	Not Used
		Restriction:	Bearing [True]: 76.0° to 111.0° Bearing [Mag]: 65.0° to 100.0°		Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV:	Bearing [True]: 334.0° to 341.0° Bearing [Mag]: 323.0° to 330.0°		Arc Distance: Out to 108.0 NM Altitude: 17000.0 to 24000.0 Ft.		
11	ZUN	N 34° 57' 56.71" W 109° 9' 16.24" E 14	H	6550.0	113.40	ZUN	Used
		Restriction:	Bearing [True]: 319.0° to 349.0° Bearing [Mag]: 305.0° to 335.0°		Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV:	Bearing [True]: 112.0° to 147.0° Bearing [Mag]: 98.0° to 133.0°		Arc Distance: Out to 76.0 NM Altitude: 17900.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 113.0° to 163.0° Bearing [Mag]: 99.0° to 149.0°		Arc Distance: Out to 85.0 NM Altitude: 15000.0 to 22000.0 Ft.		
12	HOB	N 32° 38' 17.64" W 103° 16' 9.53" E 11	L	3660.0	111.00	HOB	Not Used
		ESV:	Bearing [True]: 292.0° to 316.0° Bearing [Mag]: 281.0° to 305.0°		Arc Distance: Out to 125.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV:	Bearing [True]: 294.0° to 313.0° Bearing [Mag]: 283.0° to 302.0°		Arc Distance: Out to 105.0 NM Altitude: 10000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Latitude/Longitude/VAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
13	CNM	N 32° 19' 23.60" W 104° [illegible] 3.80" E 12	L	3250.0	116.30	CNM	Not Used
		ESV: Bearing [True]: 328.0° to 355.0° Bearing [Mag]: 316.0° to 343.0°			Arc Distance: Out to 126.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV: Bearing [True]: 326.0° to 358.0° Bearing [Mag]: 314.0° to 346.0°			Arc Distance: Out to 105.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV: Bearing [True]: 335.0° to 53.0° Bearing [Mag]: 323.0° to 41.0°			Arc Distance: Out to 35.0 NM Altitude: 7500.0 to 22000.0 Ft.		
14	TXO	N 34° 29' 42.46" W 102° 50' 22.79" E [illegible]	H	4060.0	112.20	TXO	Not Used
		ESV: Bearing [True]: 265.0° to 290.0° Bearing [Mag]: 254.0° to 279.0°			Arc Distance: Out to 90.0 NM Altitude: 16000.0 to 22000.0 Ft.		
15	TCC	N 35° [illegible] 55.70" W 10[illegible] 54.67" E 12	H	4070.0	113.60	TCC	Not Used
		ESV: Bearing [True]: 129.0° to 254.0° Bearing [Mag]: 117.0° to 242.0°			Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV: Bearing [True]: 132.0° to 233.0° Bearing [Mag]: 120.0° to 221.0°			Arc Distance: Out to 70.0 NM Altitude: 16000.0 to 22000.0 Ft.		
		ESV: Bearing [True]: 257.0° to 304.0° Bearing [Mag]: 245.0° to 292.0°			Arc Distance: Out to 45.0 NM Altitude: 10000.0 to 25000.0 Ft.		
16	FTI	N 35° [illegible] 26" W 105° [illegible] 12" E 13	H	6870.0	117.30	FTI	Not Used
		Restriction: Bearing [True]: 266.0° to 278.0° Bearing [Mag]: 253.0° to 265.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 216.0° to 244.0° Bearing [Mag]: 203.0° to 231.0°			Arc Distance: Out to 105.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV: Bearing [True]: 81.0° to 236.0° Bearing [Mag]: 68.0° to 223.0°			Arc Distance: Out to 45.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV: Bearing [True]: 141.0° to 207.0° Bearing [Mag]: 128.0° to 194.0°			Arc Distance: Out to 85.0 NM Altitude: 16000.0 to 22000.0 Ft.		

DME/DME (Continued.)

Return To Summary

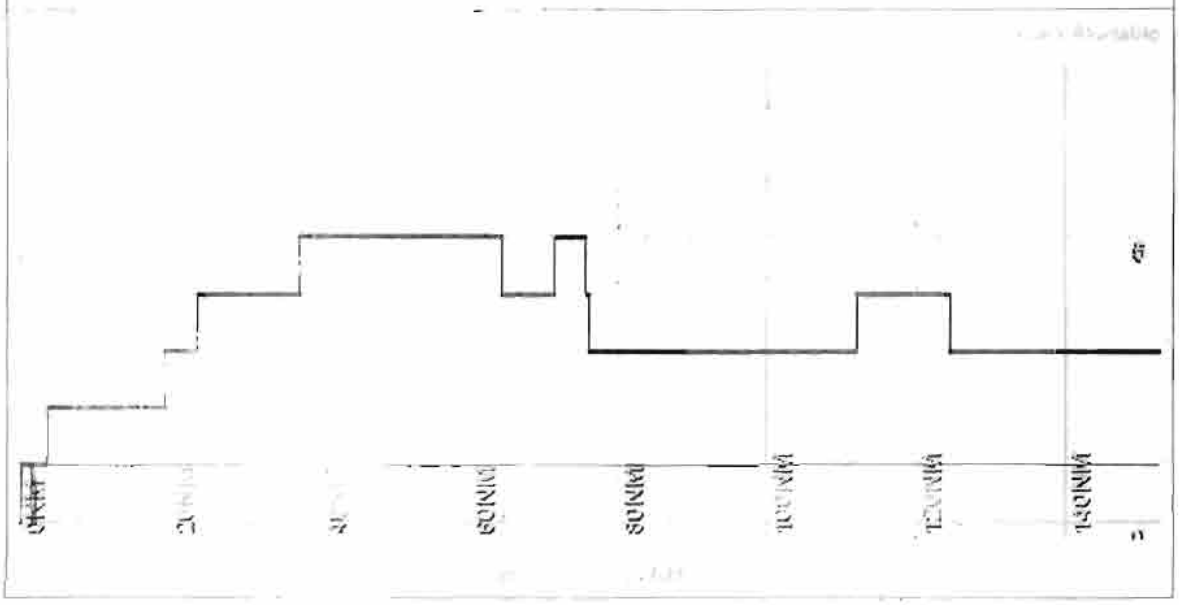
User DMEs (Continued.)

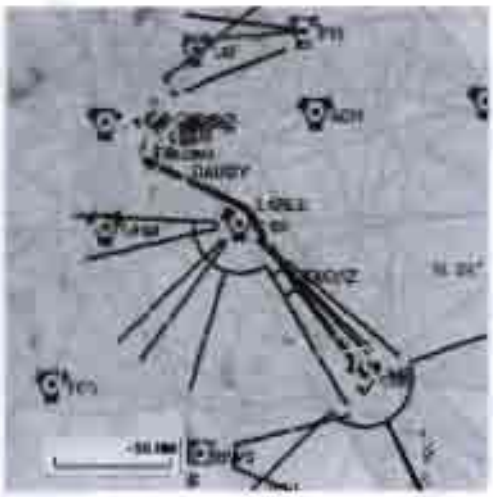
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces	Status
17	CME	N 33° 20' 14.92" W 104° 37' 16.48" E 12	H	3771.8	116.10	CME	Not Used
	Restriction:	Bearing [True]: 72.0° to 152.0° Bearing [Mag]: 60.0° to 140.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
	Restriction:	Bearing [True]: 153.0° to 227.0° Bearing [Mag]: 141.0° to 215.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 Ft.		
	ESV:	Bearing [True]: 372.0° to 55.0° Bearing [Mag]: 0.0° to 43.0°			Arc Distance: Out to 130.0 NM Altitude: 16000.0 to 22000.0 Ft.		
	ESV:	Bearing [True]: 310.0° to 332.0° Bearing [Mag]: 298.0° to 320.0°			Arc Distance: Out to 110.0 NM Altitude: 13000.0 to 30000.0 Ft.		
	ESV:	Bearing [True]: 333.0° to 54.0° Bearing [Mag]: 321.0° to 42.0°			Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
	ESV:	Bearing [True]: 302.0° to 54.0° Bearing [Mag]: 290.0° to 42.0°			Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
18	DHT	N 36° 5' 29.25" W 102° 32' 40.70" E 12	L	4020.0	112.00	DHT	Not Used
	ESV:	Bearing [True]: 206.0° to 232.0° Bearing [Mag]: 194.0° to 220.0°			Arc Distance: Out to 104.0 NM Altitude: 10000.0 to 25000.0 Ft.		
19	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]: 200.0° to 222.0° Bearing [Mag]: 187.0° to 209.0°			Arc Distance: Out to 60.0 NM Altitude: 10000.0 to 25000.0 Ft.		
20	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L	7860.0	117.60	TAS	Not 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]: 223.0° to 323.0° Bearing [Mag]: 210.0° to 310.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 25000.0 Ft.		
21	INW	N 35° 3' 41.77" W 110° 47' 42.09" E 14	H	4910.0	112.60	INW	Used
	ESV:	Bearing [True]: 104.0° to 122.0° Bearing [Mag]: 90.0° to 108.0°			Arc Distance: Out to 125.0 NM Altitude: 14000.0 to 25000.0 Ft.		

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Output File:	KABQ MNZNO SID RW03 CME 20120629_0936
Procedure Name:	MNZNO
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	6/29/2012 9:36:38 AM
Input File:	KABQ MNZNO SID RW03 CME 20120629_0905.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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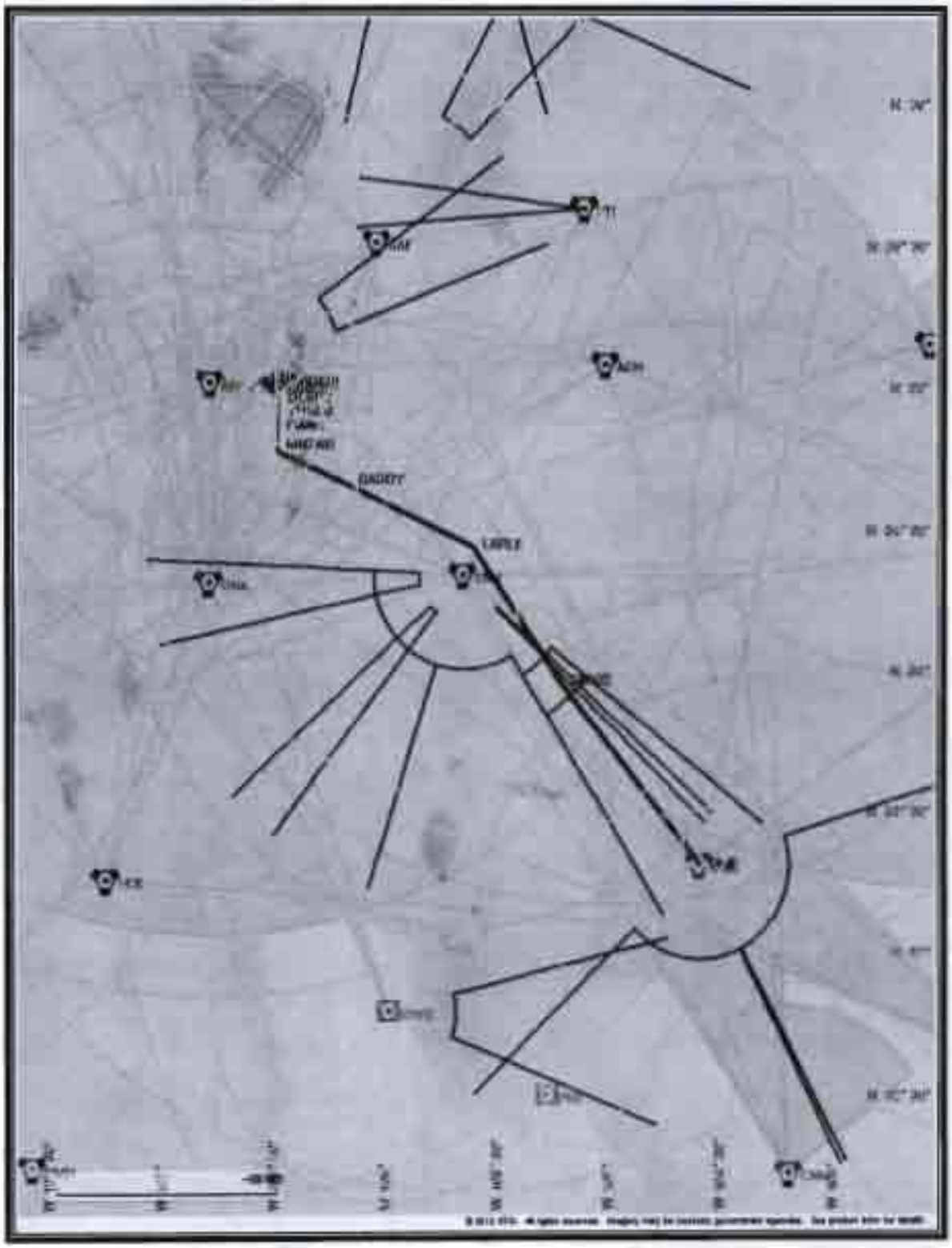

DADEY
LAPLY

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW03(A...	WP	N 35° 1' 20.09" W 106° 37' 50.17"	5305.1	VNAV	0.0	Fly Over	TF
RW21(D...	WP	N 35° 2' 30.27" W 106° 36' 25.46"	5351.1	VNAV	130.0	Fly Over	VA
GH03	WP	N 35° 3' 28.59" W 106° 35' 15.02"	6000.0	VNAV	220.0	Fly Over	DF
DLSOL	WP	N 34° 59' 9.86" W 106° 30' 37.08"	7149.1	VNAV	180.0	Fly By	TF
YUGLU	WP	N 34° 56' 28.23" W 106° 30' 49.07"	7688.0	VNAV	180.0	Fly By	TF
CIANE	WP	N 34° 53' 22.71" W 106° 30' 58.50"	8305.9	VNAV	230.0	Fly By	TF
MNZNO	WP	N 34° 48' 17.01" W 106° 31' 6.74"	11500.0	VNAV	250.0	Fly By	TF
DADDY	WP	N 34° 40' 56.40" W 106° 11' 21.82"	15070.4	VNAV	210.0	Fly By	TF
LARLE	WP	N 34° 28' 4.77" W 105° 38' 12.27"	18000.0	VNAV	240.0	Fly By	TF
TACOZ	WP	N 33° 59' 21.25" W 105° 14' 41.68"	18000.0	VNAV	240.0	Fly By	TF
CME	WP	N 33° 20' 14.92" W 104° 37' 16.48"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 6000.0 Ft MSL

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

Flyability	Return To Summary
Settings:	**Flight Type:** Runway Departure **Selected Airport:** KABQ **Aircraft Category:** Cat D **Climb Gradient:** 500.0 Ft/NM up to 6000.0 Ft MSL **Ground Speeds:** Departure: **120.0 Kts** out to **10.0 NM** Table: **200.0 Kts** up to **11000.0 Ft.** **240.0 Kts** up to **18000.0 Ft.** **260.0 Kts** up to **24000.0 Ft.** **340.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan

Required IAS at Fly-By WP YUGLU could not be reached with given A/C acceleration performance.

Required bank angle AFTER WP MNZNO exceeds maximum allowed bank angle.

Flight Track comes into contact with terrain. Minimum AGL along route was -13.14 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

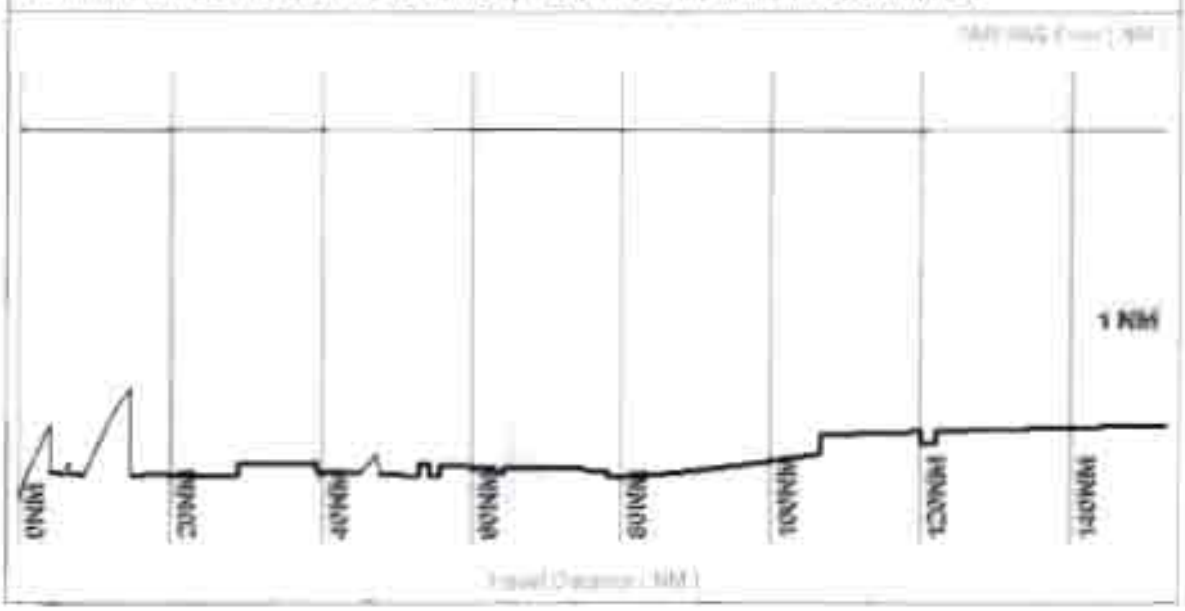
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 7149 Ft.

Total Number of DMEs Used: 9

Maximum DME Error: 0.643 NM.

1 Critical DME was found.

Available DMEs: ABQ, ONM, CNX, ACH, TCS, FTI, SAF, CME, TCC, CNM, HOB



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	YES	Drift Time	Enabled	13.9 %	11.6 %
2	ABQ	N 35° 2' 37.66" W 106° 46' 58.72" E 13	H + ESV	User	NO	1.368	Enabled	13.8 %	11.6 %
3	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H + ESV	User	NO	0.643	Enabled	33.3 %	36.9 %
4	TCS	N 33° 16' 57.01" W 107° 16' 49.95" E 13	H + ESV	User	NO	0.643	Enabled	6.5 %	6.9 %
5	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H + ESV	User	NO	0.643	Enabled	6.4 %	7.0 %
6	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H + ESV	User	NO	1.589	Enabled	56.9 %	64.4 %
7	CME	N 33° 20' 14.92" W 104° 37' 16.48" E 12	H + ESV	User	NO	0.730	Enabled	11.5 %	12.5 %
8	HOB	N 32° 38' 17.64" W 103° 16' 9.53" E 11	L + ESV	User	NO	0.996	Enabled	26.1 %	30.0 %
9	TCC	N 35° 10' 55.70" W 103° 35' 54.67" E 12	H + ESV	User	NO	0.643	Enabled	1.1 %	1.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
1.7	ABQ					
3.0	ABQ	ONM				
6.9						
11.8	ABQ	ONM				
14.9	ABQ	ONM				
19.0	ABQ	ONM	CNX	TCS	ACH	SAF
37.6	ABQ	FTI	CNX	TCS	ACH	SAF
47.7	ABQ	FTI	CNX	CME	ACH	TCC
67.1	CNM	FTI	CNX	CME	ACH	
102.2	CNM	HOB	CNX	CME	ACH	
112.3	TCC	HOB	CNX	CME	ACH	CNM
132.2	CNM	HOB	CNX	CME	ACH	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 35° 1' 20.09" W 106° 37' 50.17"	N 35° 3' 22.03" W 106° 34' 10.97"	4.1
	VOR: ABQ	Available from N 35° 1' 20.09" W 106° 37' 50.17" to N 35° 3' 22.03" W 106° 34' 10.97"	
	VOR: OTO	Available from N 35° 1' 20.09" W 106° 37' 50.17" to N 35° 3' 22.03" W 106° 34' 10.97"	
	VOR: SAF	Available from N 35° 2' 32.12" W 106° 36' 23.22" to N 35° 3' 22.03" W 106° 34' 10.97"	
2	N 35° 1' 51.71" W 106° 32' 54.25"	N 35° 1' 13.92" W 106° 32' 22.20"	0.8
	VOR: ABQ	Available from N 35° 1' 51.71" W 106° 32' 54.25" to N 35° 1' 13.92" W 106° 32' 22.20"	
	VOR: OTO	Available from N 35° 1' 51.71" W 106° 32' 54.25" to N 35° 1' 13.92" W 106° 32' 22.20"	
	VOR: SAF	Available from N 35° 1' 51.71" W 106° 32' 54.25" to N 35° 1' 13.92" W 106° 32' 22.20"	
3	N 34° 59' 43.55" W 106° 31' 5.61"	N 34° 53' 40.27" W 106° 30' 57.62"	6.2
	VOR: ABQ	Available from N 34° 59' 43.55" W 106° 31' 5.61" to N 34° 53' 40.27" W 106° 30' 57.62"	
	VOR: OTO	Available from N 34° 59' 43.55" W 106° 31' 5.61" to N 34° 53' 40.27" W 106° 30' 57.62"	
	VOR: SAF	Available from N 34° 59' 43.55" W 106° 31' 5.61" to N 34° 58' 55.80" W 106° 30' 38.04"	
	VOR: ONM	Available from N 34° 57' 21.82" W 106° 30' 45.03" to N 34° 53' 40.27" W 106° 30' 57.62"	
4	N 34° 37' 46.77" W 106° 3' 9.11"	N 34° 36' 45.66" W 106° 0' 31.06"	2.4
	VOR: CNX	Available from N 34° 37' 46.77" W 106° 3' 9.11" to N 34° 36' 45.66" W 106° 0' 31.06"	
	VOR: OTO	Available from N 34° 37' 46.77" W 106° 3' 9.11" to N 34° 36' 45.66" W 106° 0' 31.06"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H	5823.1	115.30	RSK	Not Used
		ESV:	Bearing [True]: 76.0° to 144.0° Bearing [Mag]: 62.0° to 130.0°		Arc Distance: Out to 105.0 NM Altitude: 16800.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 118.0° to 143.0° Bearing [Mag]: 104.0° to 129.0°		Arc Distance: Out to 97.0 NM Altitude: 16600.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 158.0° to 207.0° Bearing [Mag]: 144.0° to 193.0°		Arc Distance: Out to 110.0 NM Altitude: 16000.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 115.0° to 165.0° Bearing [Mag]: 101.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 12000.0 to 25000.0 Ft.		
2	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV:	Bearing [True]: 354.0° to 14.0° Bearing [Mag]: 341.0° to 1.0°		Arc Distance: Out to 126.0 NM Altitude: 13900.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 355.0° to 37.0° Bearing [Mag]: 342.0° to 24.0°		Arc Distance: Out to 67.0 NM Altitude: 7000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 302.0° to 371.0° Bearing [Mag]: 289.0° to 358.0°		Arc Distance: Out to 76.0 NM Altitude: 7400.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 269.0° to 362.0° Bearing [Mag]: 256.0° to 349.0°		Arc Distance: Out to 83.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 364.0° to 52.0° Bearing [Mag]: 351.0° to 39.0°		Arc Distance: Out to 45.0 NM Altitude: 6500.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 352.0° to 14.0° Bearing [Mag]: 339.0° to 1.0°		Arc Distance: Out to 105.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 353.0° to 20.0° Bearing [Mag]: 340.0° to 7.0°		Arc Distance: Out to 50.0 NM Altitude: 7500.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 333.0° to 25.0° Bearing [Mag]: 320.0° to 12.0°		Arc Distance: Out to 65.0 NM Altitude: 12000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
	Restriction:	Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°			Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
	✓ ESV:	Bearing [True]: 316.0° to 28.0° Bearing [Mag]: 303.0° to 15.0°			Arc Distance: Out to 82.0 NM Altitude: 9900.0 to 22000.0 Ft.		
	✓ ESV:	Bearing [True]: 68.0° to 254.0° Bearing [Mag]: 55.0° to 241.0°			Arc Distance: Out to 117.0 NM Altitude: 16000.0 to 24000.0 Ft.		
	✓ ESV:	Bearing [True]: 111.0° to 177.0° Bearing [Mag]: 98.0° to 164.0°			Arc Distance: Out to 35.0 NM Altitude: 13000.0 to 25000.0 Ft.		
	✓ ESV:	Bearing [True]: 40.0° to 80.0° Bearing [Mag]: 27.0° to 67.0°			Arc Distance: Out to 29.0 NM Altitude: 10000.0 to 29000.0 Ft.		
	✓ ESV:	Bearing [True]: 345.0° to 45.0° Bearing [Mag]: 332.0° to 32.0°			Arc Distance: Out to 65.0 NM Altitude: 10000.0 to 25000.0 Ft.		
	✓ ESV:	Bearing [True]: 111.0° to 185.0° Bearing [Mag]: 98.0° to 172.0°			Arc Distance: Out to 35.0 NM Altitude: 7000.0 to 25000.0 Ft.		
4	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H	7053.1	115.10	GUP	Not Used
	ESV:	Bearing [True]: 18.0° to 67.0° Bearing [Mag]: 4.0° to 53.0°			Arc Distance: Out to 97.0 NM Altitude: 15000.0 to 30000.0 Ft.		
	ESV:	Bearing [True]: 106.0° to 114.0° Bearing [Mag]: 92.0° to 100.0°			Arc Distance: Out to 75.0 NM Altitude: 17000.0 to 22000.0 Ft.		
	ESV:	Bearing [True]: 123.0° to 193.0° Bearing [Mag]: 109.0° to 179.0°			Arc Distance: Out to 100.0 NM Altitude: 17000.0 to 22000.0 Ft.		
	ESV:	Bearing [True]: 22.0° to 69.0° Bearing [Mag]: 8.0° to 55.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 25000.0 Ft.		
	ESV:	Bearing [True]: 125.0° to 195.0° Bearing [Mag]: 111.0° to 181.0°			Arc Distance: Out to 102.0 NM Altitude: 14000.0 to 25000.0 Ft.		
	ESV:	Bearing [True]: 119.0° to 211.0° Bearing [Mag]: 105.0° to 197.0°			Arc Distance: Out to 58.0 NM Altitude: 13000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	CNX	N 34° 22' 1.26" W 106° 40' 40.82" E 13	H	6412.0	115.50	CNX	Used

Restriction:	Bearing [True]: 128.0° to 132.0° Bearing [Mag]: 115.0° to 119.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 128.0° to 148.0° Bearing [Mag]: 115.0° to 135.0°	Distance: Beyond 35.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 132.0° to 134.0° Bearing [Mag]: 119.0° to 121.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
Restriction:	Bearing [True]: 134.0° to 148.0° Bearing [Mag]: 121.0° to 135.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 148.0° to 198.0° Bearing [Mag]: 135.0° to 185.0°	Distance: Beyond 20.0 NM Altitude: Below 12000.0 Ft.
Restriction:	Bearing [True]: 198.0° to 218.0° Bearing [Mag]: 185.0° to 205.0°	Distance: Beyond 20.0 NM Altitude: Below 13000.0 Ft.
Restriction:	Bearing [True]: 218.0° to 228.0° Bearing [Mag]: 205.0° to 215.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
Restriction:	Bearing [True]: 218.0° to 273.0° Bearing [Mag]: 205.0° to 260.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft.
Restriction:	Bearing [True]: 228.0° to 258.0° Bearing [Mag]: 215.0° to 245.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft.
Restriction:	Bearing [True]: 258.0° to 273.0° Bearing [Mag]: 245.0° to 260.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
ESV:	Bearing [True]: 311.0° to 323.0° Bearing [Mag]: 298.0° to 310.0°	Arc Distance: Out to 96.0 NM Altitude: 12300.0 to 22000.0 Ft.
ESV:	Bearing [True]: 268.0° to 291.0° Bearing [Mag]: 255.0° to 278.0°	Arc Distance: Out to 72.0 NM Altitude: 13300.0 to 22000.0 Ft.
ESV:	Bearing [True]: 290.0° to 320.0° Bearing [Mag]: 277.0° to 307.0°	Arc Distance: Out to 65.0 NM Altitude: 13000.0 to 25000.0 Ft.
ESV:	Bearing [True]: 90.0° to 146.0° Bearing [Mag]: 77.0° to 133.0°	Arc Distance: Out to 65.0 NM Altitude: 13000.0 to 30000.0 Ft.
ESV:	Bearing [True]: 29.0° to 87.0° Bearing [Mag]: 16.0° to 74.0°	Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.
ESV:	Bearing [True]: 122.0° to 251.0° Bearing [Mag]: 109.0° to 238.0°	Arc Distance: Out to 75.0 NM Altitude: 14000.0 to 25000.0 Ft.
ESV:	Bearing [True]: 290.0° to 320.0° Bearing [Mag]: 277.0° to 307.0°	Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 25000.0 Ft.
ESV:	Bearing [True]: 276.0° to 309.0° Bearing [Mag]: 262.0° to 296.0°	Arc Distance: Out to 70.0 NM Altitude: 11500.0 to 23000.0 Ft.
ESV:	Bearing [True]: 127.0° to 149.0° Bearing [Mag]: 114.0° to 136.0°	Arc Distance: Out to 91.0 NM Altitude: 16000.0 to 22000.0 Ft.

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
6	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	5445.0	117.80	ACH	Used
		ESV	Bearing [True]: 281.0° to 288.0° Bearing [Mag]: 269.0° to 276.0°		Arc Distance: Out to 95.0 NM Altitude: 15100.0 to 20000.0 Ft.		
		ESV	Bearing [True]: 110.0° to 235.0° Bearing [Mag]: 98.0° to 223.0°		Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV	Bearing [True]: 239.0° to 270.0° Bearing [Mag]: 227.0° to 258.0°		Arc Distance: Out to 100.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV	Bearing [True]: 160.0° to 242.0° Bearing [Mag]: 148.0° to 230.0°		Arc Distance: Out to 130.0 NM Altitude: 16000.0 to 22000.0 Ft.		
7	SAF	N 35° 32' 25.94" W 106° 3' 53.81" E 13	L	6263.2	110.60	SAF	Not Used
		Restriction	Bearing [True]: 28.0° to 43.0° Bearing [Mag]: 15.0° to 30.0°		Distance: Beyond 30.0 NM Altitude: Below 14600.0 Ft.		
		ESV	Bearing [True]: 246.0° to 256.0° Bearing [Mag]: 233.0° to 243.0°		Arc Distance: Out to 45.0 NM Altitude: 12800.0 to 25000.0 Ft.		
		ESV	Bearing [True]: 238.0° to 305.0° Bearing [Mag]: 225.0° to 292.0°		Arc Distance: Out to 45.0 NM Altitude: 9000.0 to 25000.0 Ft.		
		ESV	Bearing [True]: 245.0° to 255.0° Bearing [Mag]: 232.0° to 242.0°		Arc Distance: Out to 68.0 NM Altitude: 14000.0 to 25000.0 Ft.		
		ESV	Bearing [True]: 210.0° to 233.0° Bearing [Mag]: 197.0° to 220.0°		Arc Distance: Out to 102.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV	Bearing [True]: 203.0° to 220.0° Bearing [Mag]: 190.0° to 207.0°		Arc Distance: Out to 74.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV	Bearing [True]: 183.0° to 230.0° Bearing [Mag]: 170.0° to 217.0°		Arc Distance: Out to 65.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV	Bearing [True]: 81.0° to 236.0° Bearing [Mag]: 68.0° to 223.0°		Arc Distance: Out to 45.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV	Bearing [True]: 275.0° to 310.0° Bearing [Mag]: 262.0° to 297.0°		Arc Distance: Out to 55.0 NM Altitude: 12000.0 to 25000.0 Ft.		
		ESV	Bearing [True]: 191.0° to 232.0° Bearing [Mag]: 178.0° to 219.0°		Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 25000.0 Ft.		
		ESV	Bearing [True]: 183.0° to 230.0° Bearing [Mag]: 170.0° to 217.0°		Arc Distance: Out to 65.0 NM Altitude: 7500.0 to 25000.0 Ft.		
		ESV	Bearing [True]: 205.0° to 221.0° Bearing [Mag]: 192.0° to 208.0°		Arc Distance: Out to 68.0 NM Altitude: 12000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
8	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	6840.0	112.30	SJN	Not Used
	ESV:	Bearing [True]: 358.0° to 69.0° Bearing [Mag]: 346.0° to 57.0°			Arc Distance: Out to 103.0 NM Altitude: 15100.0 to 26000.0 Ft.		
	ESV:	Bearing [True]: 36.0° to 142.0° Bearing [Mag]: 24.0° to 130.0°			Arc Distance: Out to 110.0 NM Altitude: 15600.0 to 26000.0 Ft.		
	ESV:	Bearing [True]: 74.0° to 106.0° Bearing [Mag]: 62.0° to 94.0°			Arc Distance: Out to 58.0 NM Altitude: 13000.0 to 25000.0 Ft.		
	ESV:	Bearing [True]: 57.0° to 105.0° Bearing [Mag]: 45.0° to 93.0°			Arc Distance: Out to 95.0 NM Altitude: 15000.0 to 22000.0 Ft.		
	ESV:	Bearing [True]: 347.0° to 58.0° Bearing [Mag]: 335.0° to 46.0°			Arc Distance: Out to 71.0 NM Altitude: 13000.0 to 25000.0 Ft.		
9	TCS	N 33° 16' 57.01" W 107° 16' 49.95" E 13	H	4905.0	112.70	TCS	Used
	ESV:	Bearing [True]: 13.0° to 24.0° Bearing [Mag]: 0.0° to 11.0°			Arc Distance: Out to 87.0 NM Altitude: 13600.0 to 20000.0 Ft.		
	ESV:	Bearing [True]: 315.0° to 334.0° Bearing [Mag]: 302.0° to 321.0°			Arc Distance: Out to 100.0 NM Altitude: 13000.0 to 25000.0 Ft.		
	ESV:	Bearing [True]: 19.0° to 94.0° Bearing [Mag]: 6.0° to 81.0°			Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
10	BWS	N 32° 49' 16.52" W 106° 0' 47.35" E 11	L	4100.0	109.60	BWS	Not Used
	Restriction:	Bearing [True]: 76.0° to 111.0° Bearing [Mag]: 65.0° to 100.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
	ESV:	Bearing [True]: 334.0° to 341.0° Bearing [Mag]: 323.0° to 330.0°			Arc Distance: Out to 108.0 NM Altitude: 17000.0 to 24000.0 Ft.		
11	ZUN	N 34° 57' 56.71" W 109° 9' 16.24" E 14	H	6550.0	113.40	ZUN	Not Used
	Restriction:	Bearing [True]: 319.0° to 349.0° Bearing [Mag]: 305.0° to 335.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
	ESV:	Bearing [True]: 112.0° to 147.0° Bearing [Mag]: 98.0° to 133.0°			Arc Distance: Out to 76.0 NM Altitude: 17900.0 to 22000.0 Ft.		
	ESV:	Bearing [True]: 113.0° to 163.0° Bearing [Mag]: 99.0° to 149.0°			Arc Distance: Out to 85.0 NM Altitude: 15000.0 to 22000.0 Ft.		
12	HOB	N 32° 38' 17.64" W 103° 16' 9.53" E 11	L	3660.0	111.00	HOB	Used
	ESV:	Bearing [True]: 292.0° to 316.0° Bearing [Mag]: 281.0° to 305.0°			Arc Distance: Out to 125.0 NM Altitude: 13000.0 to 30000.0 Ft.		
	ESV:	Bearing [True]: 294.0° to 313.0° Bearing [Mag]: 283.0° to 302.0°			Arc Distance: Out to 105.0 NM Altitude: 10000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
13	CNM	N 32° 15' 23.80" W 104° 13' 33.80" E 12	L	3250.0	116.30	CNM	Not Used
		ESV:	Bearing [True]: 328.0° to 355.0° Bearing [Mag]: 316.0° to 343.0°		Arc Distance: Out to 125.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV:	Bearing [True]: 326.0° to 358.0° Bearing [Mag]: 314.0° to 346.0°		Arc Distance: Out to 105.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 335.0° to 53.0° Bearing [Mag]: 323.0° to 41.0°		Arc Distance: Out to 35.0 NM Altitude: 7500.0 to 22000.0 Ft.		
14	TXO	N 34° 29' 42.46" W 102° 50' 22.79" E 11	H	4060.0	112.20	TXO	Not Used
		ESV:	Bearing [True]: 265.0° to 290.0° Bearing [Mag]: 254.0° to 279.0°		Arc Distance: Out to 90.0 NM Altitude: 16000.0 to 22000.0 Ft.		
15	TCC	N 35° 10' 55.70" W 103° 35' 54.67" E 12	H	4070.0	113.60	TCC	Used
		ESV:	Bearing [True]: 129.0° to 254.0° Bearing [Mag]: 117.0° to 242.0°		Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV:	Bearing [True]: 132.0° to 233.0° Bearing [Mag]: 120.0° to 221.0°		Arc Distance: Out to 70.0 NM Altitude: 16000.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 257.0° to 304.0° Bearing [Mag]: 245.0° to 292.0°		Arc Distance: Out to 45.0 NM Altitude: 10000.0 to 25000.0 Ft.		
16	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H	6870.0	117.30	FTI	Used
		Restriction:	Bearing [True]: 266.0° to 278.0° Bearing [Mag]: 253.0° to 265.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV:	Bearing [True]: 216.0° to 244.0° Bearing [Mag]: 203.0° to 231.0°		Arc Distance: Out to 105.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 81.0° to 236.0° Bearing [Mag]: 68.0° to 223.0°		Arc Distance: Out to 45.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 141.0° to 207.0° Bearing [Mag]: 128.0° to 194.0°		Arc Distance: Out to 85.0 NM Altitude: 16000.0 to 22000.0 Ft.		

DME/DME (Continued.)

Return To Summary

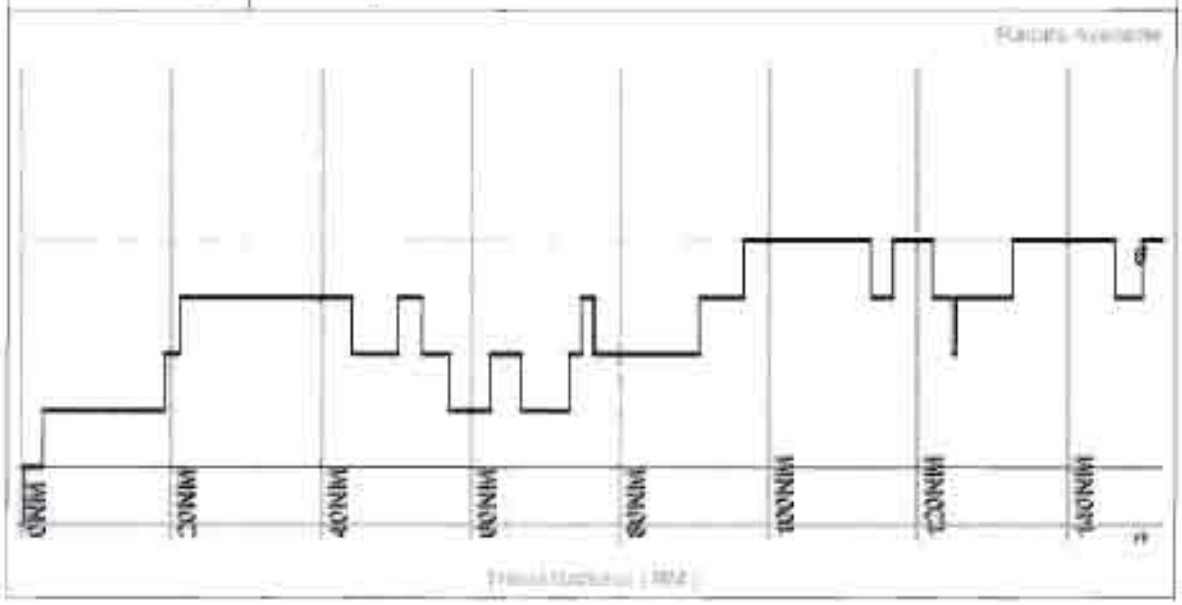
User DMEs (Continued.)

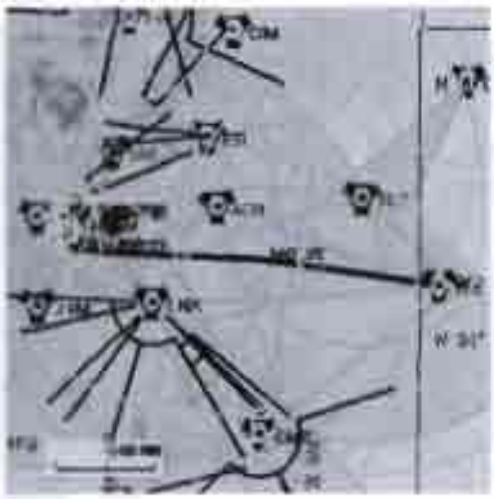
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
17	CME	N 33° 20' 14.92" W 104° 37' 16.48" E 12	H	3771.8	116.10	CME	Used
	Restriction:	Bearing [True]: 72.0° to 152.0° Bearing [Mag]: 60.0° to 140.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
	Restriction:	Bearing [True]: 153.0° to 227.0° Bearing [Mag]: 141.0° to 215.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 Ft.		
	ESV:	Bearing [True]: 372.0° to 55.0° Bearing [Mag]: 0.0° to 43.0°			Arc Distance: Out to 130.0 NM Altitude: 16000.0 to 22000.0 Ft.		
	ESV:	Bearing [True]: 310.0° to 332.0° Bearing [Mag]: 298.0° to 320.0°			Arc Distance: Out to 110.0 NM Altitude: 13000.0 to 30000.0 Ft.		
	ESV:	Bearing [True]: 333.0° to 54.0° Bearing [Mag]: 321.0° to 42.0°			Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
	ESV:	Bearing [True]: 302.0° to 54.0° Bearing [Mag]: 290.0° to 42.0°			Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
18	DHT	N 36° 6' 29.25" W 102° 32' 40.70" E 12	L	4020.0	112.00	DHT	Not Used
	ESV:	Bearing [True]: 206.0° to 232.0° Bearing [Mag]: 194.0° to 220.0°			Arc Distance: Out to 104.0 NM Altitude: 10000.0 to 25000.0 Ft.		
19	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]: 200.0° to 222.0° Bearing [Mag]: 187.0° to 209.0°			Arc Distance: Out to 60.0 NM Altitude: 10000.0 to 25000.0 Ft.		
20	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L	7660.0	117.60	TAS	Not 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]: 223.0° to 323.0° Bearing [Mag]: 210.0° to 310.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 25000.0 Ft.		
21	INW	N 35° 3' 41.77" W 110° 47' 42.09" E 14	H	4910.0	112.60	INW	Not Used
	ESV:	Bearing [True]: 104.0° to 122.0° Bearing [Mag]: 90.0° to 108.0°			Arc Distance: Out to 125.0 NM Altitude: 14000.0 to 25000.0 Ft.		

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Output File:	KABQ MNZNO SID RW08 TXO 20120629_1006
Procedure Name:	MNZNO
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	6/29/2012 10:06:26 AM
Input File:	KABQ MNZNO SID RW08 TXO 20120629_0954.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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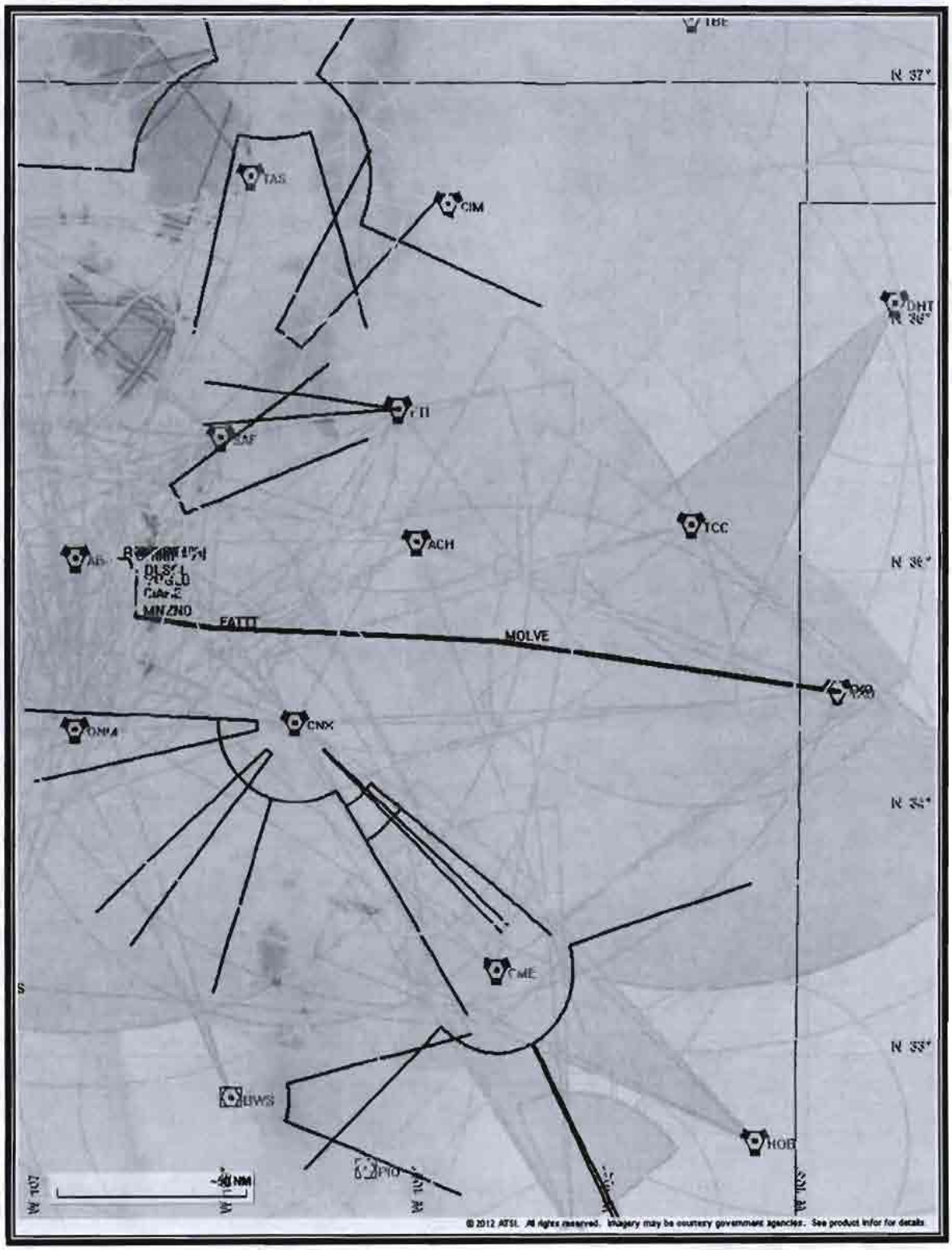
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TAS
CIM
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CTI
SAF
TCC
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N 36°
MNZNO
FATIT
MOLVE
CNX
N 34°
CME
N 33°
HOB
40 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW08(A...	WP	N 35° 2' 39.67" W 106° 37' 17.72"	5311.9	VNAV	0.0	Fly Over	TF
RW26(D...	WP	N 35° 2' 38.63" W 106° 34' 31.89"	5389.9	VNAV	130.0	Fly Over	VA
GH08:	WP	N 35° 2' 38.14" W 106° 33' 18.07"	5860.0	VNAV	220.0	Fly Over	DF
DLSOL	WP	N 34° 59' 9.86" W 106° 30' 37.08"	6681.4	VNAV	230.0	Fly By	TF
YUGLU	WP	N 34° 56' 28.23" W 106° 30' 49.07"	7220.3	VNAV	180.0	Fly By	TF
CIANE	WP	N 34° 53' 22.71" W 106° 30' 58.50"	7838.3	VNAV	230.0	Fly By	TF
MNZNO	WP	N 34° 48' 17.01" W 106° 31' 6.74"	11500.0	VNAV	250.0	Fly By	TF
FATTT	WP	N 34° 45' 25.58" W 106° 7' 5.31"	15498.6	VNAV	210.0	Fly By	TF
MOLVE	WP	N 34° 42' 9.66" W 104° 37' 36.74"	18000.0	VNAV	240.0	Fly By	TF
TXO	WP	N 34° 29' 42.46" W 102° 50' 22.79"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient:

Table:

515.0 Ft/NM up to **9000.0 Ft MSL**

420.0 Ft/NM up to **16000.0 Ft MSL**

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

Flyability	Return To Summary
Settings:	**Flight Type:** Runway Departure **Selected Airport:** KABQ **Aircraft Category:** Cat D **Climb Gradient:** Table: **515.0 Ft/NM** up to **9000.0 Ft MSL** **420.0 Ft/NM** up to **16000.0 Ft MSL** **Ground Speeds:** Departure: **120.0 Kts** out to **10.0 NM** Table: **200.0 Kts** up to **11000.0 Ft.** **240.0 Kts** up to **18000.0 Ft.** **260.0 Kts** up to **24000.0 Ft.** **340.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan

Aircraft ALTITUDE at Fly-By WP DLSOL too high

Aircraft ALTITUDE at Fly-By WP YUGLU too high

Aircraft ALTITUDE at Fly-By WP CIANE too high

Aircraft ALTITUDE at Fly-By WP MNZNO too low

Aircraft ALTITUDE at Fly-By WP FATTT too high

Required IAS at Fly-By WP MOLVE could not be reached with given A/C acceleration performance.

Flight Track comes into contact with terrain. Minimum AGL along route was -16.18 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

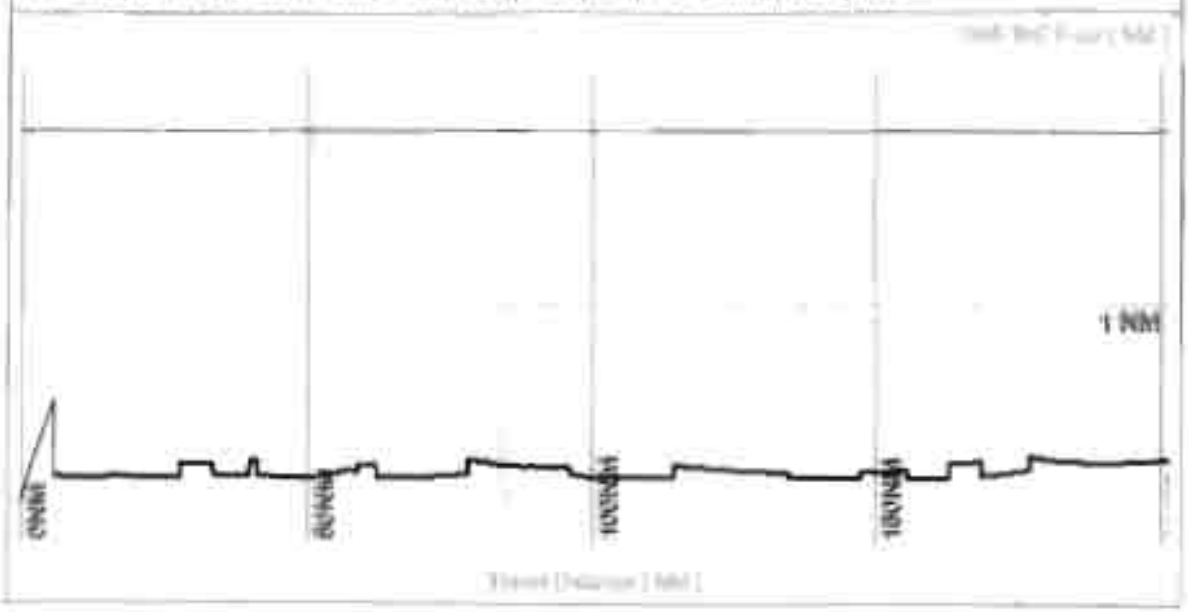
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 7135 Ft.

Total Number of DMEs Used: 9

Maximum DME Error: 0.601 NM

1 Critical DME was found.

Available DMEs: ABQ, ONM, CNX, ACH, TCS, FTI, SAF, CME, TCC, TXO



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	YES	Drift Time	Enabled	14.6 %	10.8 %
2	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H + ESV	User	NO	1.307	Enabled	22.8 %	19.7 %
3	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H + ESV	User	NO	0.601	Enabled	30.0 %	31.6 %
4	TCS	N 33° 16' 57.01" W 107° 16' 49.95" E 13	H + ESV	User	NO	0.601	Enabled	3.5 %	3.6 %
5	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H + ESV	User	NO	0.601	Enabled	13.5 %	14.2 %
6	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H + ESV	User	NO	0.601	Enabled	22.7 %	24.6 %
7	CME	N 33° 20' 14.92" W 104° 37' 16.48" E 12	H + ESV	User	NO	0.777	Enabled	33.3 %	36.9 %
8	TCC	N 35° 10' 55.70" W 103° 35' 54.67" E 12	H + ESV	User	NO	0.801	Enabled	31.4 %	35.2 %
9	TXO	N 34° 29' 42.46" W 102° 50' 22.79" E 11	H + ESV	User	NO	0.601	Enabled	15.8 %	17.9 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.5	ABQ					
3.2	ABQ	ONM				
7.2	ABQ	ONM				
10.2	ABQ	ONM				
13.2	ABQ	ONM				
17.0	ABQ	ONM	CNX	ACH	TCS	
27.4	ABQ	ONM	CNX	FTI	TCS	SAF
37.6	ABQ	ACH	CNX	FTI	TCS	SAF
47.7	ABQ	ACH	CNX	FTI	CME	
78.0	TCC	ACH	CNX	FTI	CME	
111.4	TXO	ACH	CNX	FTI	CME	TCC
125.7	TXO	ACH	CNX	TCC	CME	FTI

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 35° 2' 39.67" W 106° 37' 17.72"	N 35° 0' 46.67" W 106° 31' 40.60"	5.7
	VOR: ABQ	Available from N 35° 2' 39.67" W 106° 37' 17.72" to N 35° 0' 46.67" W 106° 31' 40.60"	
	VOR: OTO	Available from N 35° 2' 39.67" W 106° 37' 17.72" to N 35° 0' 46.67" W 106° 31' 40.60"	
	VOR: SAF	Available from N 35° 2' 39.41" W 106° 36' 34.82" to N 35° 0' 46.67" W 106° 31' 40.60"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H	5823.1	115.30	RSK	Not Used
		ESV:	Bearing [True]: 76.0° to 144.0° Bearing [Mag]: 62.0° to 130.0°		Arc Distance: Out to 105.0 NM Altitude: 16800.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 118.0° to 143.0° Bearing [Mag]: 104.0° to 129.0°		Arc Distance: Out to 97.0 NM Altitude: 16600.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 158.0° to 207.0° Bearing [Mag]: 144.0° to 193.0°		Arc Distance: Out to 110.0 NM Altitude: 16000.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 115.0° to 165.0° Bearing [Mag]: 101.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 12000.0 to 25000.0 Ft.		
2	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV:	Bearing [True]: 354.0° to 14.0° Bearing [Mag]: 341.0° to 1.0°		Arc Distance: Out to 126.0 NM Altitude: 13900.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 355.0° to 37.0° Bearing [Mag]: 342.0° to 24.0°		Arc Distance: Out to 67.0 NM Altitude: 7000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 302.0° to 371.0° Bearing [Mag]: 289.0° to 358.0°		Arc Distance: Out to 76.0 NM Altitude: 7400.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 269.0° to 362.0° Bearing [Mag]: 256.0° to 349.0°		Arc Distance: Out to 83.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 364.0° to 52.0° Bearing [Mag]: 351.0° to 39.0°		Arc Distance: Out to 45.0 NM Altitude: 6500.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 352.0° to 14.0° Bearing [Mag]: 339.0° to 1.0°		Arc Distance: Out to 105.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 353.0° to 20.0° Bearing [Mag]: 340.0° to 7.0°		Arc Distance: Out to 50.0 NM Altitude: 7500.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 333.0° to 25.0° Bearing [Mag]: 320.0° to 12.0°		Arc Distance: Out to 65.0 NM Altitude: 12000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
	Restriction:	Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°			Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
	ESV:	Bearing [True]: 316.0° to 28.0° Bearing [Mag]: 303.0° to 15.0°			Arc Distance: Out to 82.0 NM Altitude: 9900.0 to 22000.0 Ft.		
	ESV:	Bearing [True]: 68.0° to 254.0° Bearing [Mag]: 55.0° to 241.0°			Arc Distance: Out to 117.0 NM Altitude: 16000.0 to 24000.0 Ft.		
	ESV:	Bearing [True]: 111.0° to 177.0° Bearing [Mag]: 98.0° to 164.0°			Arc Distance: Out to 35.0 NM Altitude: 13000.0 to 25000.0 Ft.		
	ESV:	Bearing [True]: 40.0° to 80.0° Bearing [Mag]: 27.0° to 67.0°			Arc Distance: Out to 29.0 NM Altitude: 10000.0 to 29000.0 Ft.		
	ESV:	Bearing [True]: 345.0° to 45.0° Bearing [Mag]: 332.0° to 32.0°			Arc Distance: Out to 65.0 NM Altitude: 10000.0 to 25000.0 Ft.		
	ESV:	Bearing [True]: 111.0° to 185.0° Bearing [Mag]: 98.0° to 172.0°			Arc Distance: Out to 35.0 NM Altitude: 7000.0 to 25000.0 Ft.		
4	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H	7053.1	115.10	GUP	Not Used
	ESV:	Bearing [True]: 18.0° to 67.0° Bearing [Mag]: 4.0° to 53.0°			Arc Distance: Out to 97.0 NM Altitude: 15000.0 to 30000.0 Ft.		
	ESV:	Bearing [True]: 106.0° to 114.0° Bearing [Mag]: 92.0° to 100.0°			Arc Distance: Out to 75.0 NM Altitude: 17000.0 to 22000.0 Ft.		
	ESV:	Bearing [True]: 123.0° to 193.0° Bearing [Mag]: 109.0° to 179.0°			Arc Distance: Out to 100.0 NM Altitude: 17000.0 to 22000.0 Ft.		
	ESV:	Bearing [True]: 22.0° to 69.0° Bearing [Mag]: 8.0° to 55.0°			Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 25000.0 Ft.		
	ESV:	Bearing [True]: 125.0° to 195.0° Bearing [Mag]: 111.0° to 181.0°			Arc Distance: Out to 102.0 NM Altitude: 14000.0 to 25000.0 Ft.		
	ESV:	Bearing [True]: 119.0° to 211.0° Bearing [Mag]: 105.0° to 197.0°			Arc Distance: Out to 58.0 NM Altitude: 13000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H	6412.0	115.50	CNX	Used

Restriction:	Bearing [True]: 128.0° to 132.0° Bearing [Mag]: 115.0° to 119.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft
Restriction:	Bearing [True]: 128.0° to 148.0° Bearing [Mag]: 115.0° to 135.0°	Distance: Beyond 35.0 NM Altitude: Below 10000.0 Ft
Restriction:	Bearing [True]: 132.0° to 134.0° Bearing [Mag]: 119.0° to 121.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft
Restriction:	Bearing [True]: 134.0° to 148.0° Bearing [Mag]: 121.0° to 135.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft
Restriction:	Bearing [True]: 148.0° to 196.0° Bearing [Mag]: 135.0° to 185.0°	Distance: Beyond 20.0 NM Altitude: Below 12000.0 Ft
Restriction:	Bearing [True]: 196.0° to 218.0° Bearing [Mag]: 185.0° to 205.0°	Distance: Beyond 20.0 NM Altitude: Below 13000.0 Ft
Restriction:	Bearing [True]: 218.0° to 228.0° Bearing [Mag]: 205.0° to 215.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft
Restriction:	Bearing [True]: 218.0° to 273.0° Bearing [Mag]: 205.0° to 260.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft
Restriction:	Bearing [True]: 228.0° to 258.0° Bearing [Mag]: 215.0° to 245.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft
Restriction:	Bearing [True]: 258.0° to 273.0° Bearing [Mag]: 245.0° to 260.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft
✓ ESV:	Bearing [True]: 311.0° to 323.0° Bearing [Mag]: 298.0° to 310.0°	Arc Distance: Out to 95.0 NM Altitude: 12300.0 to 22000.0 Ft
✓ ESV:	Bearing [True]: 268.0° to 291.0° Bearing [Mag]: 255.0° to 278.0°	Arc Distance: Out to 72.0 NM Altitude: 13300.0 to 22000.0 Ft
✓ ESV:	Bearing [True]: 290.0° to 320.0° Bearing [Mag]: 277.0° to 307.0°	Arc Distance: Out to 65.0 NM Altitude: 13000.0 to 25000.0 Ft
✓ ESV:	Bearing [True]: 90.0° to 146.0° Bearing [Mag]: 77.0° to 133.0°	Arc Distance: Out to 65.0 NM Altitude: 13000.0 to 30000.0 Ft
✓ ESV:	Bearing [True]: 29.0° to 87.0° Bearing [Mag]: 16.0° to 74.0°	Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft
✓ ESV:	Bearing [True]: 122.0° to 251.0° Bearing [Mag]: 109.0° to 238.0°	Arc Distance: Out to 75.0 NM Altitude: 14000.0 to 25000.0 Ft
✓ ESV:	Bearing [True]: 290.0° to 320.0° Bearing [Mag]: 277.0° to 307.0°	Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 25000.0 Ft
✓ ESV:	Bearing [True]: 275.0° to 309.0° Bearing [Mag]: 262.0° to 296.0°	Arc Distance: Out to 70.0 NM Altitude: 11500.0 to 23000.0 Ft
✓ ESV:	Bearing [True]: 127.0° to 149.0° Bearing [Mag]: 114.0° to 136.0°	Arc Distance: Out to 91.0 NM Altitude: 16000.0 to 22000.0 Ft

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
6	ACH	N 35° 6' 42.19" W 105° 2' 23.79" E 12	H	5445.0	117.80	ACH	Used
		ESV:	Bearing [True]: 281.0° to 288.0° Bearing [Mag]: 269.0° to 276.0°		Arc Distance: Out to 98.0 NM Altitude: 15100.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 110.0° to 235.0° Bearing [Mag]: 98.0° to 223.0°		Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV:	Bearing [True]: 239.0° to 270.0° Bearing [Mag]: 227.0° to 258.0°		Arc Distance: Out to 100.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 160.0° to 242.0° Bearing [Mag]: 148.0° to 230.0°		Arc Distance: Out to 130.0 NM Altitude: 16000.0 to 22000.0 Ft.		
7	SAF	N 35° 32' 25.94" W 106° 3' 53.81" E 13	L	6263.2	110.60	SAF	Not Used
		Restriction:	Bearing [True]: 28.0° to 43.0° Bearing [Mag]: 15.0° to 30.0°		Distance: Beyond 30.0 NM Altitude: Below 14600.0 Ft.		
		ESV:	Bearing [True]: 246.0° to 256.0° Bearing [Mag]: 233.0° to 243.0°		Arc Distance: Out to 45.0 NM Altitude: 12800.0 to 26000.0 Ft.		
		ESV:	Bearing [True]: 238.0° to 305.0° Bearing [Mag]: 225.0° to 292.0°		Arc Distance: Out to 45.0 NM Altitude: 9000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 245.0° to 255.0° Bearing [Mag]: 232.0° to 242.0°		Arc Distance: Out to 68.0 NM Altitude: 14000.0 to 26000.0 Ft.		
		ESV:	Bearing [True]: 210.0° to 233.0° Bearing [Mag]: 197.0° to 220.0°		Arc Distance: Out to 102.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 203.0° to 220.0° Bearing [Mag]: 190.0° to 207.0°		Arc Distance: Out to 74.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 183.0° to 230.0° Bearing [Mag]: 170.0° to 217.0°		Arc Distance: Out to 65.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 81.0° to 236.0° Bearing [Mag]: 68.0° to 223.0°		Arc Distance: Out to 45.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 275.0° to 310.0° Bearing [Mag]: 262.0° to 297.0°		Arc Distance: Out to 55.0 NM Altitude: 12000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 191.0° to 232.0° Bearing [Mag]: 178.0° to 219.0°		Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 183.0° to 230.0° Bearing [Mag]: 170.0° to 217.0°		Arc Distance: Out to 65.0 NM Altitude: 7500.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 205.0° to 221.0° Bearing [Mag]: 192.0° to 208.0°		Arc Distance: Out to 68.0 NM Altitude: 12000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
8	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	6840.0	112.30	SJN	Not Used
		ESV:	Bearing [True]: 358.0° to 69.0° Bearing [Mag]: 346.0° to 57.0°		Arc Distance: Out to 103.0 NM Altitude: 15100.0 to 26000.0 Ft.		
		ESV:	Bearing [True]: 36.0° to 142.0° Bearing [Mag]: 24.0° to 130.0°		Arc Distance: Out to 110.0 NM Altitude: 15600.0 to 26000.0 Ft.		
		ESV:	Bearing [True]: 74.0° to 106.0° Bearing [Mag]: 62.0° to 94.0°		Arc Distance: Out to 68.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 57.0° to 105.0° Bearing [Mag]: 45.0° to 93.0°		Arc Distance: Out to 95.0 NM Altitude: 15000.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 347.0° to 58.0° Bearing [Mag]: 335.0° to 46.0°		Arc Distance: Out to 71.0 NM Altitude: 13000.0 to 25000.0 Ft.		
9	TCS	N 33° 16' 57.01" W 107° 16' 49.96" E 13	H	4905.0	112.70	TCS	Used
		ESV:	Bearing [True]: 13.0° to 24.0° Bearing [Mag]: 0.0° to 11.0°		Arc Distance: Out to 67.0 NM Altitude: 13800.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 315.0° to 334.0° Bearing [Mag]: 302.0° to 321.0°		Arc Distance: Out to 100.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 19.0° to 94.0° Bearing [Mag]: 6.0° to 81.0°		Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
10	BWS	N 32° 49' 16.52" W 106° 0' 47.35" E 11	L	4100.0	109.60	BWS	Not Used
		Restriction:	Bearing [True]: 76.0° to 111.0° Bearing [Mag]: 65.0° to 100.0°		Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV:	Bearing [True]: 334.0° to 341.0° Bearing [Mag]: 323.0° to 330.0°		Arc Distance: Out to 108.0 NM Altitude: 17000.0 to 24000.0 Ft.		
11	ZUN	N 34° 57' 56.71" W 109° 9' 16.24" E 14	H	6550.0	113.40	ZUN	Not Used
		Restriction:	Bearing [True]: 319.0° to 349.0° Bearing [Mag]: 305.0° to 335.0°		Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV:	Bearing [True]: 112.0° to 147.0° Bearing [Mag]: 98.0° to 133.0°		Arc Distance: Out to 76.0 NM Altitude: 17900.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 113.0° to 163.0° Bearing [Mag]: 99.0° to 149.0°		Arc Distance: Out to 85.0 NM Altitude: 15000.0 to 22000.0 Ft.		
12	HOB	N 32° 38' 17.64" W 103° 18' 9.53" E 11	L	3660.0	111.00	HOB	Not Used
		ESV:	Bearing [True]: 292.0° to 316.0° Bearing [Mag]: 281.0° to 305.0°		Arc Distance: Out to 125.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV:	Bearing [True]: 294.0° to 313.0° Bearing [Mag]: 283.0° to 302.0°		Arc Distance: Out to 105.0 NM Altitude: 10000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
13	CNM	N 32° 15' 23.80" W 104° 13' 33.80" E 12	L	3250.0	116.30	CNM	Not Used
		ESV:	Bearing [True]: 328.0° to 355.0° Bearing [Mag]: 316.0° to 343.0°		Arc Distance: Out to 125.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV:	Bearing [True]: 326.0° to 358.0° Bearing [Mag]: 314.0° to 346.0°		Arc Distance: Out to 105.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 335.0° to 53.0° Bearing [Mag]: 323.0° to 41.0°		Arc Distance: Out to 35.0 NM Altitude: 7500.0 to 22000.0 Ft.		
14	TXO	N 34° 29' 42.46" W 102° 50' 22.79" E 11	H	4060.0	112.20	TXO	Used
		ESV:	Bearing [True]: 265.0° to 290.0° Bearing [Mag]: 254.0° to 279.0°		Arc Distance: Out to 90.0 NM Altitude: 16000.0 to 22000.0 Ft.		
15	TCC	N 35° 10' 55.70" W 103° 35' 54.67" E 12	H	4070.0	113.60	TCC	Used
		ESV:	Bearing [True]: 129.0° to 254.0° Bearing [Mag]: 117.0° to 242.0°		Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV:	Bearing [True]: 132.0° to 233.0° Bearing [Mag]: 120.0° to 221.0°		Arc Distance: Out to 70.0 NM Altitude: 16000.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 257.0° to 304.0° Bearing [Mag]: 245.0° to 292.0°		Arc Distance: Out to 45.0 NM Altitude: 10000.0 to 25000.0 Ft.		
16	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H	6670.0	117.30	FTI	Used
		Restriction:	Bearing [True]: 266.0° to 276.0° Bearing [Mag]: 253.0° to 265.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV:	Bearing [True]: 216.0° to 244.0° Bearing [Mag]: 203.0° to 231.0°		Arc Distance: Out to 105.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 81.0° to 236.0° Bearing [Mag]: 68.0° to 223.0°		Arc Distance: Out to 45.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 141.0° to 207.0° Bearing [Mag]: 128.0° to 194.0°		Arc Distance: Out to 85.0 NM Altitude: 16000.0 to 22000.0 Ft.		

DME/DME (Continued.)

Return To Summary

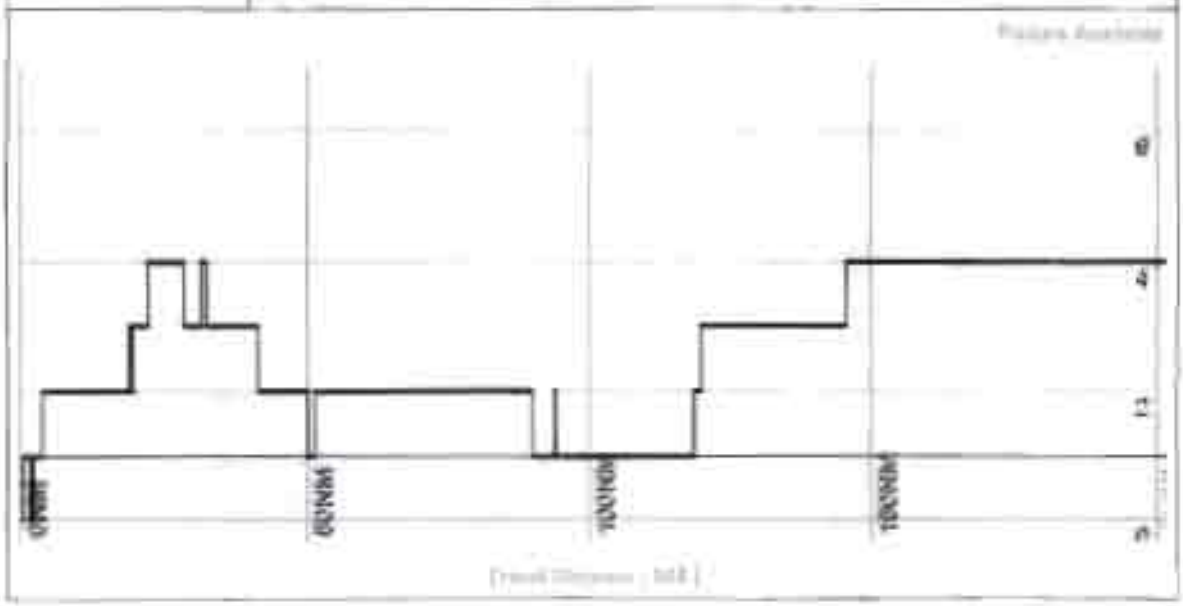
User DMEs (Continued.)

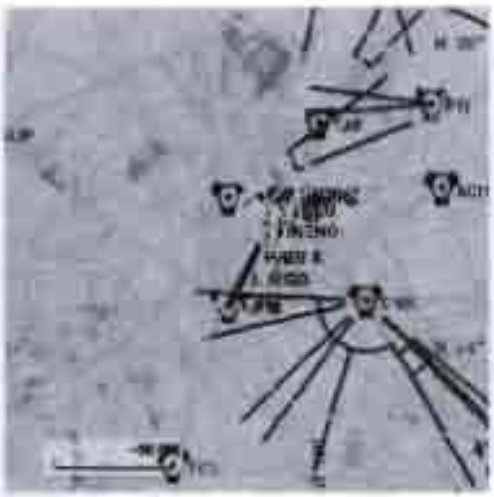
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
17	CME	N 33° 20' 14.92" W 104° 37' 16.48" E 12	H	3771.8	116.10	CME	Used
	Restriction:	Bearing [True]: 72.0° to 152.0° Bearing [Mag]: 60.0° to 140.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
	Restriction:	Bearing [True]: 153.0° to 227.0° Bearing [Mag]: 141.0° to 215.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 Ft.		
	ESV:	Bearing [True]: 372.0° to 55.0° Bearing [Mag]: 0.0° to 43.0°			Arc Distance: Out to 130.0 NM Altitude: 16000.0 to 22000.0 Ft.		
	ESV:	Bearing [True]: 310.0° to 332.0° Bearing [Mag]: 298.0° to 320.0°			Arc Distance: Out to 110.0 NM Altitude: 13000.0 to 30000.0 Ft.		
	ESV:	Bearing [True]: 333.0° to 54.0° Bearing [Mag]: 321.0° to 42.0°			Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
	ESV:	Bearing [True]: 302.0° to 54.0° Bearing [Mag]: 290.0° to 42.0°			Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
18	DHT	N 36° 5' 29.25" W 102° 32' 40.70" E 12	L	4020.0	112.00	DHT	Not Used
	ESV:	Bearing [True]: 206.0° to 232.0° Bearing [Mag]: 194.0° to 220.0°			Arc Distance: Out to 104.0 NM Altitude: 10000.0 to 25000.0 Ft.		
19	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]: 200.0° to 222.0° Bearing [Mag]: 187.0° to 209.0°			Arc Distance: Out to 60.0 NM Altitude: 10000.0 to 25000.0 Ft.		
20	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L	7860.0	117.60	TAS	Not 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]: 223.0° to 323.0° Bearing [Mag]: 210.0° to 310.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 25000.0 Ft.		
21	INW	N 35° 3' 41.77" W 110° 47' 42.09" E 14	H	4910.0	112.60	INW	Not Used
	ESV:	Bearing [True]: 104.0° to 122.0° Bearing [Mag]: 90.0° to 108.0°			Arc Distance: Out to 125.0 NM Altitude: 14000.0 to 25000.0 Ft.		

Radar Analysis

Return To Summary

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





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Project Name:	
Output File:	KABQ MNZNO SID RW03 ONM 20120629_0943
Procedure Name:	MNZNO
Software:	RNAV-Pro™
Version:	2.38
Date/Time:	6/29/2012 9:43:10 AM
Input File:	KABQ MNZNO SID RW03 ONM 20120629_0938.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	Please Check Flyability Results
DME/DME	✔	
Radars	✔	
Comms	?	
TERPS	?	

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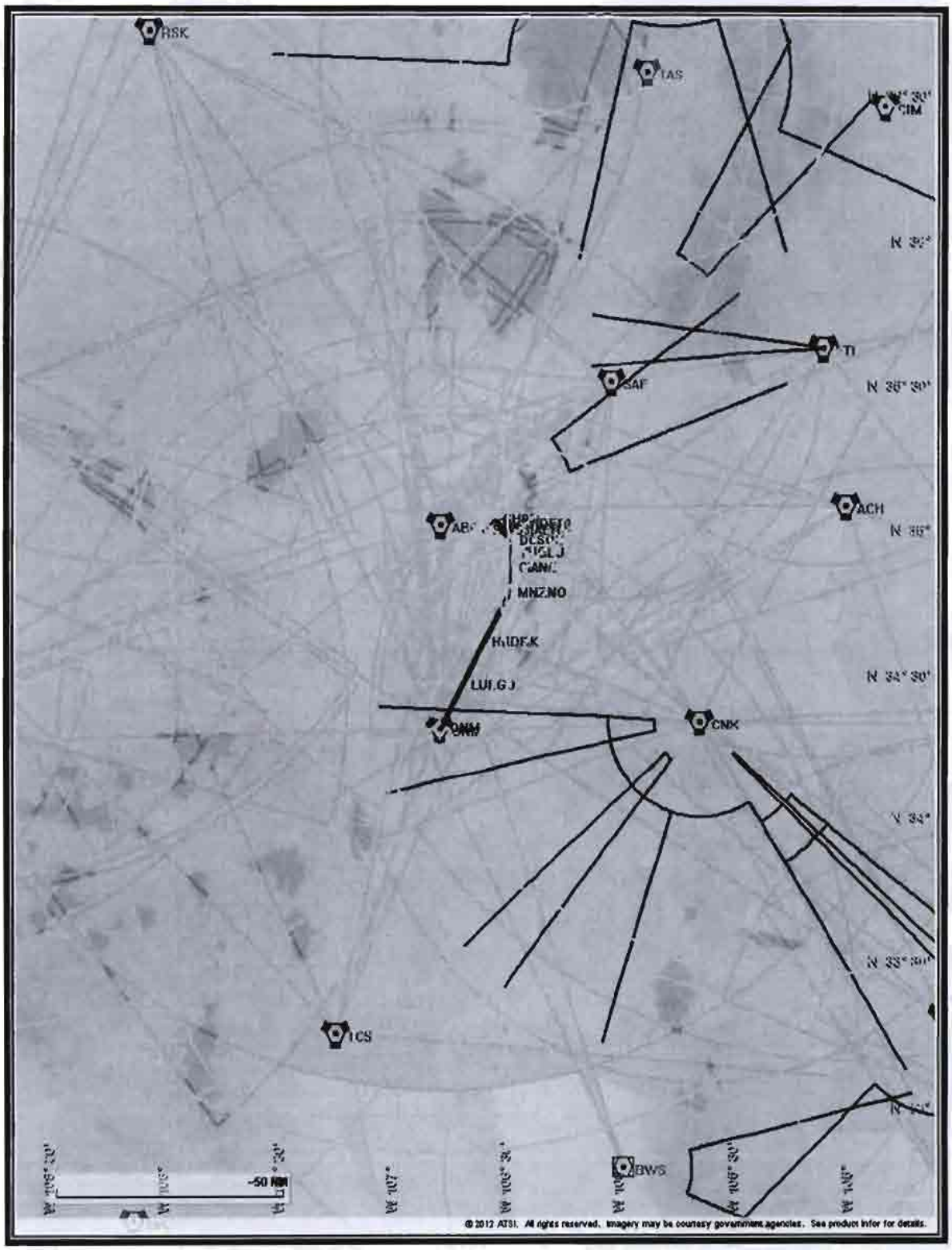
RSK
TAS
CIM
TI
SAF
ACH
MNZNO
HADEK
LUIGJ
ONM
CNK
ICS
BWS
50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW03(A...	WP	N 35° 1' 20.09" W 106° 37' 50.17"	5305.1	VNAV	0.0	Fly Over	TF
RW21(D...	WP	N 35° 2' 30.27" W 106° 36' 25.46"	5351.1	VNAV	130.0	Fly Over	VA
GH03:	WP	N 35° 3' 28.59" W 106° 35' 15.02"	6000.0	VNAV	220.0	Fly Over	DF
DLSOL	WP	N 34° 59' 9.86" W 106° 30' 37.08"	7149.1	VNAV	180.0	Fly By	TF
YUGLU	WP	N 34° 56' 28.23" W 106° 30' 49.07"	7688.0	VNAV	180.0	Fly By	TF
CIANE	WP	N 34° 53' 22.71" W 106° 30' 58.50"	8305.9	VNAV	230.0	Fly By	TF
MNZNO	WP	N 34° 48' 17.01" W 106° 31' 6.74"	11500.0	VNAV	250.0	Fly By	TF
HRDRK	WP	N 34° 38' 2.14" W 106° 37' 54.34"	16000.0	VNAV	210.0	Fly By	TF
LUEGO	WP	N 34° 29' 4.40" W 106° 43' 42.34"	18000.0	VNAV	240.0	Fly By	TF
ONM	WP	N 34° 20' 20.04" W 106° 49' 13.69"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 6000.0 Ft MSL

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

Flyability	Return To Summary
Settings:	**Flight Type:** Runway Departure **Selected Airport:** KABQ **Aircraft Category:** Cat D **Climb Gradient:** 500.0 Ft/NM up to 6000.0 Ft MSL **Ground Speeds:** Departure: **120.0 Kts** out to **10.0 NM** Table: **200.0 Kts** up to **11000.0 Ft.** **240.0 Kts** up to **18000.0 Ft.** **260.0 Kts** up to **24000.0 Ft.** **340.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan

Required IAS at Fly-By WP YUGLU could not be reached with given A/C acceleration performance.

Flight Track comes into contact with terrain. Minimum AGL along route was -13.14 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER

DME/DME

Return To Summary

Settings:

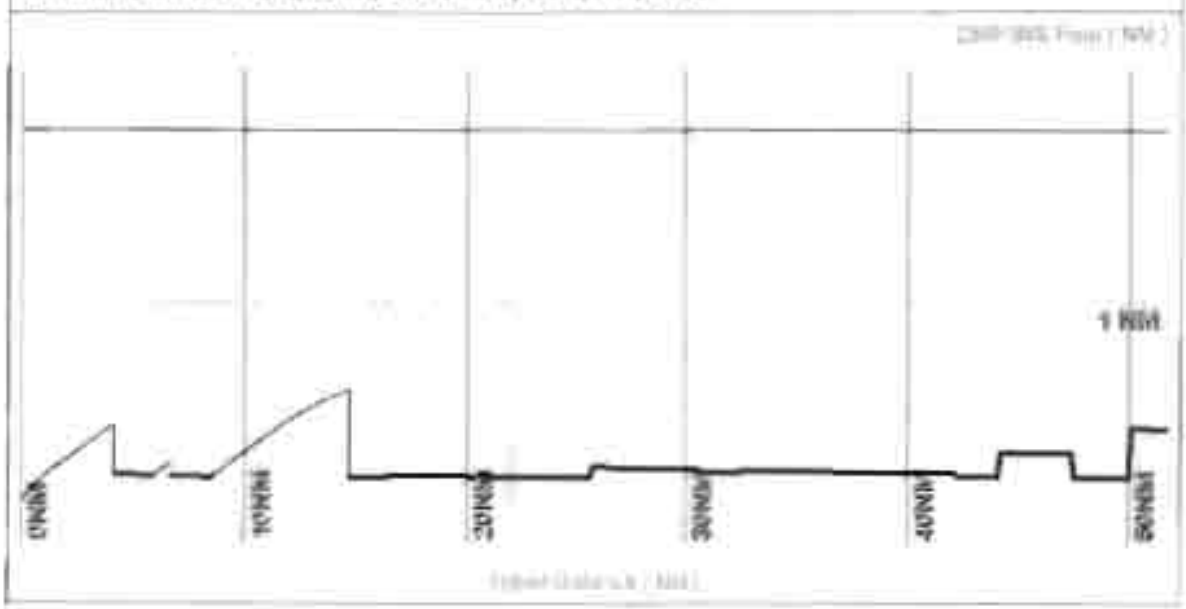
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 7149 FL

Total Number of DMEs Used: 6

Maximum DME Error: 0.643 NM

1 Critical DME was found:

Available DMEs: ABQ, ONM, CNX, TCS, ACH, FTI, BWS



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	YES	Drift Time	Enabled	28.9 %	28.3 %
2	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H + ESV	User	NO	1.358	Enabled	34.1 %	35.8 %
3	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H + ESV	User	NO	0.643	Enabled	32.0 %	41.9 %
4	TCS	N 33° 16' 57.01" W 107° 16' 49.95" E 13	H + ESV	User	NO	0.643	Enabled	19.3 %	25.3 %
5	ACH	N 35° 6' 42.18" W 105° 2' 23.79" E 12	H + ESV	User	NO	0.643	Enabled	12.2 %	16.2 %
6	BWS	N 32° 49' 16.52" W 106° 0' 47.35" E 11	L + ESV	User	NO	0.643	Enabled	6.9 %	9.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
1.7	ABQ					
3.0	ABQ	ONM				
5.9						
11.8	ABQ	ONM				
14.9	ABQ	ONM				
19.4	ABQ	ONM	CNX	TCS	ACH	
31.6	ABQ	ONM	CNX	TCS	ACH	FTI
41.8	ABQ	BWS	CNX	TCS	ACH	ONM

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 35° 1' 20.09" W 106° 37' 50.17"	N 35° 3' 22.03" W 106° 34' 10.97"	4.1
	VOR: ABQ	Available from N 35° 1' 20.09" W 106° 37' 50.17" to N 35° 3' 22.03" W 106° 34' 10.97"	
	VOR: OTO	Available from N 35° 1' 20.09" W 106° 37' 50.17" to N 35° 3' 22.03" W 106° 34' 10.97"	
	VOR: SAF	Available from N 35° 2' 32.12" W 106° 36' 23.22" to N 35° 3' 22.03" W 106° 34' 10.97"	
2	N 35° 1' 51.71" W 106° 32' 54.25"	N 35° 1' 13.92" W 106° 32' 22.20"	0.8
	VOR: ABQ	Available from N 35° 1' 51.71" W 106° 32' 54.25" to N 35° 1' 13.92" W 106° 32' 22.20"	
	VOR: OTO	Available from N 35° 1' 51.71" W 106° 32' 54.25" to N 35° 1' 13.92" W 106° 32' 22.20"	
	VOR: SAF	Available from N 35° 1' 51.71" W 106° 32' 54.25" to N 35° 1' 13.92" W 106° 32' 22.20"	
3	N 34° 59' 43.55" W 106° 31' 5.61"	N 34° 53' 40.27" W 106° 30' 57.62"	6.2
	VOR: ABQ	Available from N 34° 59' 43.55" W 106° 31' 5.61" to N 34° 53' 40.27" W 106° 30' 57.62"	
	VOR: OTO	Available from N 34° 59' 43.55" W 106° 31' 5.61" to N 34° 53' 40.27" W 106° 30' 57.62"	
	VOR: SAF	Available from N 34° 59' 43.55" W 106° 31' 5.61" to N 34° 58' 55.80" W 106° 30' 38.04"	
	VOR: ONM	Available from N 34° 57' 21.82" W 106° 30' 45.03" to N 34° 53' 40.27" W 106° 30' 57.62"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	RSK	N 36° 44' 54.21" W 108° 5' 56.04" E 14	H	5823.1	115.30	RSK	Not Used
		ESV:	Bearing [True]: 76.0° to 144.0° Bearing [Mag]: 62.0° to 130.0°		Arc Distance: Out to 105.0 NM Altitude: 16800.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 118.0° to 143.0° Bearing [Mag]: 104.0° to 129.0°		Arc Distance: Out to 97.0 NM Altitude: 16600.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 158.0° to 207.0° Bearing [Mag]: 144.0° to 193.0°		Arc Distance: Out to 110.0 NM Altitude: 16000.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 115.0° to 165.0° Bearing [Mag]: 101.0° to 151.0°		Arc Distance: Out to 95.0 NM Altitude: 12000.0 to 25000.0 Ft.		
2	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV:	Bearing [True]: 354.0° to 14.0° Bearing [Mag]: 341.0° to 1.0°		Arc Distance: Out to 126.0 NM Altitude: 13900.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 355.0° to 37.0° Bearing [Mag]: 342.0° to 24.0°		Arc Distance: Out to 67.0 NM Altitude: 7000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 302.0° to 371.0° Bearing [Mag]: 289.0° to 358.0°		Arc Distance: Out to 76.0 NM Altitude: 7400.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 269.0° to 362.0° Bearing [Mag]: 256.0° to 349.0°		Arc Distance: Out to 83.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 364.0° to 52.0° Bearing [Mag]: 351.0° to 39.0°		Arc Distance: Out to 45.0 NM Altitude: 6500.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 352.0° to 14.0° Bearing [Mag]: 339.0° to 1.0°		Arc Distance: Out to 105.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 353.0° to 20.0° Bearing [Mag]: 340.0° to 7.0°		Arc Distance: Out to 50.0 NM Altitude: 7500.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 333.0° to 25.0° Bearing [Mag]: 320.0° to 12.0°		Arc Distance: Out to 65.0 NM Altitude: 12000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
3	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
		Restriction:	Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°		Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
		ESV:	Bearing [True]: 316.0° to 28.0° Bearing [Mag]: 303.0° to 15.0°		Arc Distance: Out to 82.0 NM Altitude: 9900.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 68.0° to 254.0° Bearing [Mag]: 55.0° to 241.0°		Arc Distance: Out to 117.0 NM Altitude: 16000.0 to 24000.0 Ft.		
		ESV:	Bearing [True]: 111.0° to 177.0° Bearing [Mag]: 98.0° to 164.0°		Arc Distance: Out to 35.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 40.0° to 80.0° Bearing [Mag]: 27.0° to 67.0°		Arc Distance: Out to 29.0 NM Altitude: 10000.0 to 29000.0 Ft.		
		ESV:	Bearing [True]: 345.0° to 45.0° Bearing [Mag]: 332.0° to 32.0°		Arc Distance: Out to 65.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 111.0° to 185.0° Bearing [Mag]: 98.0° to 172.0°		Arc Distance: Out to 35.0 NM Altitude: 7000.0 to 25000.0 Ft.		
4	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H	7053.1	115.10	GUP	Not Used
		ESV:	Bearing [True]: 18.0° to 67.0° Bearing [Mag]: 4.0° to 53.0°		Arc Distance: Out to 97.0 NM Altitude: 15000.0 to 30000.0 Ft.		
		ESV:	Bearing [True]: 106.0° to 114.0° Bearing [Mag]: 92.0° to 100.0°		Arc Distance: Out to 75.0 NM Altitude: 17000.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 123.0° to 193.0° Bearing [Mag]: 109.0° to 179.0°		Arc Distance: Out to 100.0 NM Altitude: 17000.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 22.0° to 69.0° Bearing [Mag]: 8.0° to 55.0°		Arc Distance: Out to 100.0 NM Altitude: 12000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 125.0° to 195.0° Bearing [Mag]: 111.0° to 181.0°		Arc Distance: Out to 102.0 NM Altitude: 14000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 119.0° to 211.0° Bearing [Mag]: 105.0° to 197.0°		Arc Distance: Out to 58.0 NM Altitude: 13000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation (Ft)	Frequency	Replaces:	Status
5	CNX	N 34° 22' 1.26" W 105° 40' 40.82" E 13	H	6412.0	115.50	CNX	Used

Restriction:	Bearing [True]: 128.0° to 132.0° Bearing [Mag]: 115.0° to 119.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 128.0° to 148.0° Bearing [Mag]: 115.0° to 135.0°	Distance: Beyond 35.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 132.0° to 134.0° Bearing [Mag]: 119.0° to 121.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
Restriction:	Bearing [True]: 134.0° to 148.0° Bearing [Mag]: 121.0° to 135.0°	Distance: Beyond 25.0 NM Altitude: Below 10000.0 Ft.
Restriction:	Bearing [True]: 148.0° to 198.0° Bearing [Mag]: 135.0° to 185.0°	Distance: Beyond 20.0 NM Altitude: Below 12000.0 Ft.
Restriction:	Bearing [True]: 198.0° to 218.0° Bearing [Mag]: 185.0° to 205.0°	Distance: Beyond 20.0 NM Altitude: Below 13000.0 Ft.
Restriction:	Bearing [True]: 218.0° to 228.0° Bearing [Mag]: 205.0° to 215.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
Restriction:	Bearing [True]: 218.0° to 273.0° Bearing [Mag]: 205.0° to 260.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft.
Restriction:	Bearing [True]: 228.0° to 258.0° Bearing [Mag]: 215.0° to 245.0°	Distance: Beyond 20.0 NM Altitude: Below 14000.0 Ft.
Restriction:	Bearing [True]: 258.0° to 273.0° Bearing [Mag]: 245.0° to 260.0°	Distance: Beyond 10.0 NM Altitude: Below 11800.0 Ft.
ESV:	Bearing [True]: 311.0° to 323.0° Bearing [Mag]: 298.0° to 310.0°	Arc Distance: Out to 96.0 NM Altitude: 12300.0 to 22000.0 Ft.
ESV:	Bearing [True]: 268.0° to 291.0° Bearing [Mag]: 255.0° to 278.0°	Arc Distance: Out to 72.0 NM Altitude: 13300.0 to 22000.0 Ft.
ESV:	Bearing [True]: 290.0° to 320.0° Bearing [Mag]: 277.0° to 307.0°	Arc Distance: Out to 65.0 NM Altitude: 13000.0 to 25000.0 Ft.
ESV:	Bearing [True]: 90.0° to 146.0° Bearing [Mag]: 77.0° to 133.0°	Arc Distance: Out to 65.0 NM Altitude: 13000.0 to 30000.0 Ft.
ESV:	Bearing [True]: 29.0° to 87.0° Bearing [Mag]: 16.0° to 74.0°	Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.
ESV:	Bearing [True]: 122.0° to 251.0° Bearing [Mag]: 109.0° to 238.0°	Arc Distance: Out to 75.0 NM Altitude: 14000.0 to 25000.0 Ft.
ESV:	Bearing [True]: 290.0° to 320.0° Bearing [Mag]: 277.0° to 307.0°	Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 25000.0 Ft.
ESV:	Bearing [True]: 275.0° to 309.0° Bearing [Mag]: 262.0° to 296.0°	Arc Distance: Out to 70.0 NM Altitude: 11500.0 to 23000.0 Ft.
ESV:	Bearing [True]: 127.0° to 149.0° Bearing [Mag]: 114.0° to 136.0°	Arc Distance: Out to 91.0 NM Altitude: 16000.0 to 22000.0 Ft.

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
6	ACH	N 35° 6' 42.19" W 106° 2' 23.79" E 12	H	5445.0	117.80	ACH	Used
		ESV:	Bearing [True]: 281.0° to 288.0° Bearing [Mag]: 269.0° to 276.0°		Arc Distance: Out to 98.0 NM Altitude: 15100.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 110.0° to 235.0° Bearing [Mag]: 98.0° to 223.0°		Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV:	Bearing [True]: 239.0° to 270.0° Bearing [Mag]: 227.0° to 258.0°		Arc Distance: Out to 100.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 160.0° to 242.0° Bearing [Mag]: 148.0° to 230.0°		Arc Distance: Out to 130.0 NM Altitude: 16000.0 to 22000.0 Ft.		
7	SAF	N 35° 32' 25.94" W 106° 3' 53.81" E 13	L	6263.2	110.60	SAF	Not Used
		Restriction:	Bearing [True]: 28.0° to 43.0° Bearing [Mag]: 15.0° to 30.0°		Distance: Beyond 30.0 NM Altitude: Below 14600.0 Ft.		
		ESV:	Bearing [True]: 246.0° to 256.0° Bearing [Mag]: 233.0° to 243.0°		Arc Distance: Out to 45.0 NM Altitude: 12800.0 to 26000.0 Ft.		
		ESV:	Bearing [True]: 238.0° to 305.0° Bearing [Mag]: 225.0° to 292.0°		Arc Distance: Out to 45.0 NM Altitude: 9000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 245.0° to 255.0° Bearing [Mag]: 232.0° to 242.0°		Arc Distance: Out to 68.0 NM Altitude: 14000.0 to 26000.0 Ft.		
		ESV:	Bearing [True]: 210.0° to 233.0° Bearing [Mag]: 197.0° to 220.0°		Arc Distance: Out to 102.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 203.0° to 220.0° Bearing [Mag]: 190.0° to 207.0°		Arc Distance: Out to 74.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 183.0° to 230.0° Bearing [Mag]: 170.0° to 217.0°		Arc Distance: Out to 65.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 81.0° to 236.0° Bearing [Mag]: 68.0° to 223.0°		Arc Distance: Out to 45.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 275.0° to 310.0° Bearing [Mag]: 262.0° to 297.0°		Arc Distance: Out to 55.0 NM Altitude: 12000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 191.0° to 232.0° Bearing [Mag]: 178.0° to 219.0°		Arc Distance: Out to 65.0 NM Altitude: 8000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 183.0° to 230.0° Bearing [Mag]: 170.0° to 217.0°		Arc Distance: Out to 65.0 NM Altitude: 7500.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 205.0° to 221.0° Bearing [Mag]: 192.0° to 208.0°		Arc Distance: Out to 68.0 NM Altitude: 12000.0 to 25000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
8	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	6840.0	112.30	SJN	Not Used
		ESV:	Bearing [True]: 358.0° to 69.0° Bearing [Mag]: 346.0° to 57.0°		Arc Distance: Out to 103.0 NM Altitude: 15100.0 to 26000.0 Ft.		
		ESV:	Bearing [True]: 36.0° to 142.0° Bearing [Mag]: 24.0° to 130.0°		Arc Distance: Out to 110.0 NM Altitude: 15600.0 to 26000.0 Ft.		
		ESV:	Bearing [True]: 74.0° to 106.0° Bearing [Mag]: 62.0° to 94.0°		Arc Distance: Out to 58.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 57.0° to 106.0° Bearing [Mag]: 45.0° to 93.0°		Arc Distance: Out to 95.0 NM Altitude: 15000.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 347.0° to 56.0° Bearing [Mag]: 335.0° to 46.0°		Arc Distance: Out to 71.0 NM Altitude: 13000.0 to 25000.0 Ft.		
9	TCS	N 33° 16' 57.01" W 107° 16' 49.95" E 13	H	4905.0	112.70	TCS	Used
		ESV:	Bearing [True]: 13.0° to 24.0° Bearing [Mag]: 0.0° to 11.0°		Arc Distance: Out to 87.0 NM Altitude: 13800.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 315.0° to 334.0° Bearing [Mag]: 302.0° to 321.0°		Arc Distance: Out to 100.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 19.0° to 94.0° Bearing [Mag]: 6.0° to 81.0°		Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
10	BWS	N 32° 49' 16.52" W 106° 0' 47.35" E 11	L	4100.0	109.60	BWS	Used
		Restriction:	Bearing [True]: 78.0° to 111.0° Bearing [Mag]: 66.0° to 100.0°		Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV:	Bearing [True]: 334.0° to 341.0° Bearing [Mag]: 323.0° to 330.0°		Arc Distance: Out to 108.0 NM Altitude: 17000.0 to 24000.0 Ft.		
11	ZUN	N 34° 57' 56.71" W 109° 9' 16.24" E 14	H	6550.0	113.40	ZUN	Not Used
		Restriction:	Bearing [True]: 319.0° to 349.0° Bearing [Mag]: 305.0° to 335.0°		Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV:	Bearing [True]: 112.0° to 147.0° Bearing [Mag]: 98.0° to 133.0°		Arc Distance: Out to 76.0 NM Altitude: 17900.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 113.0° to 163.0° Bearing [Mag]: 99.0° to 149.0°		Arc Distance: Out to 85.0 NM Altitude: 15000.0 to 22000.0 Ft.		
12	HOB	N 32° 38' 17.64" W 103° 18' 9.53" E 11	L	3660.0	111.00	HOB	Not Used
		ESV:	Bearing [True]: 292.0° to 316.0° Bearing [Mag]: 281.0° to 305.0°		Arc Distance: Out to 125.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV:	Bearing [True]: 294.0° to 313.0° Bearing [Mag]: 283.0° to 302.0°		Arc Distance: Out to 105.0 NM Altitude: 10000.0 to 25000.0 Ft.		

DME/DME (Continued.)

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User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
13	CNM	N 32° 15' 23.80" W 104° 13' 33.80" E 12	L	3250.0	116.30	CNM	Not Used
		ESV:	Bearing [True]: 328.0° to 355.0° Bearing [Mag]: 316.0° to 343.0°		Arc Distance: Out to 125.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV:	Bearing [True]: 326.0° to 358.0° Bearing [Mag]: 314.0° to 346.0°		Arc Distance: Out to 105.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 335.0° to 53.0° Bearing [Mag]: 323.0° to 41.0°		Arc Distance: Out to 35.0 NM Altitude: 7500.0 to 22000.0 Ft.		
14	TXO	N 34° 29' 42.46" W 102° 50' 22.79" E 11	H	4060.0	112.20	TXO	Not Used
		ESV:	Bearing [True]: 265.0° to 290.0° Bearing [Mag]: 254.0° to 279.0°		Arc Distance: Out to 90.0 NM Altitude: 16000.0 to 22000.0 Ft.		
15	TCC	N 35° 10' 55.70" W 103° 35' 54.67" E 12	H	4070.0	113.60	TCC	Not Used
		ESV:	Bearing [True]: 129.0° to 254.0° Bearing [Mag]: 117.0° to 242.0°		Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
		ESV:	Bearing [True]: 132.0° to 233.0° Bearing [Mag]: 120.0° to 221.0°		Arc Distance: Out to 70.0 NM Altitude: 16000.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 257.0° to 304.0° Bearing [Mag]: 245.0° to 292.0°		Arc Distance: Out to 45.0 NM Altitude: 10000.0 to 25000.0 Ft.		
16	FTI	N 35° 39' 27.26" W 105° 8' 8.12" E 13	H	6870.0	117.30	FTI	Not Used
		Restriction:	Bearing [True]: 266.0° to 278.0° Bearing [Mag]: 253.0° to 265.0°		Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
		ESV:	Bearing [True]: 216.0° to 244.0° Bearing [Mag]: 203.0° to 231.0°		Arc Distance: Out to 105.0 NM Altitude: 13000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 81.0° to 236.0° Bearing [Mag]: 68.0° to 223.0°		Arc Distance: Out to 45.0 NM Altitude: 10000.0 to 25000.0 Ft.		
		ESV:	Bearing [True]: 141.0° to 207.0° Bearing [Mag]: 128.0° to 194.0°		Arc Distance: Out to 85.0 NM Altitude: 16000.0 to 22000.0 Ft.		

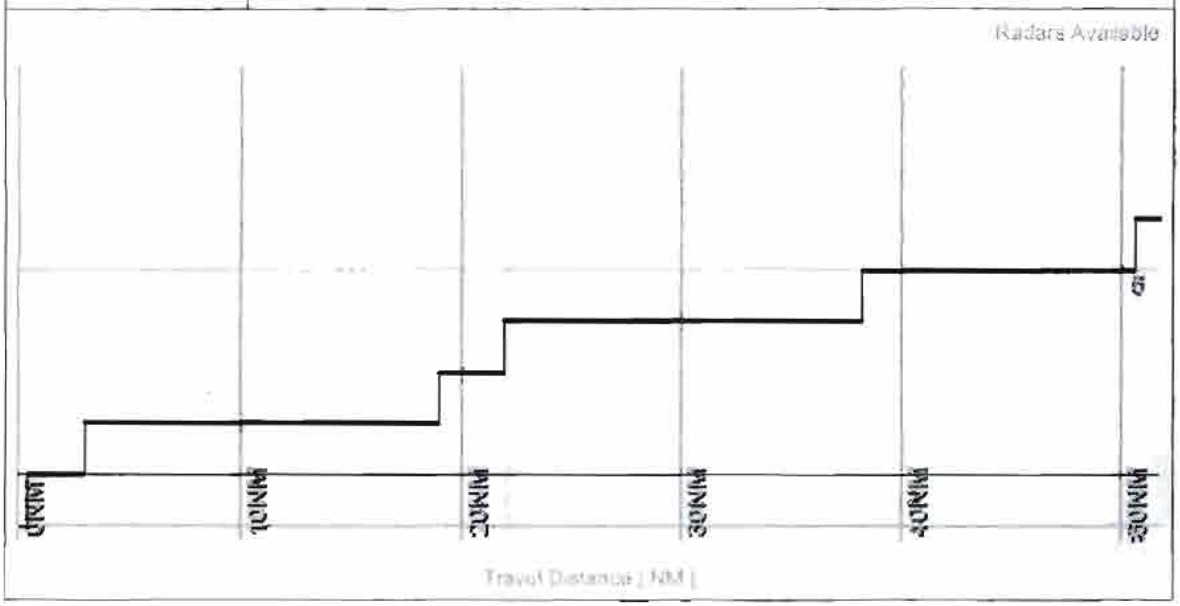
DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
17	CME	N 33° 20' 14.92" W 104° 37' 16.48" E 12	H	3771.8	116.10	CME	Not Used
	Restriction:	Bearing [True]: 72.0° to 152.0° Bearing [Mag]: 60.0° to 140.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
	Restriction:	Bearing [True]: 153.0° to 227.0° Bearing [Mag]: 141.0° to 215.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 Ft.		
	ESV:	Bearing [True]: 372.0° to 55.0° Bearing [Mag]: 0.0° to 43.0°			Arc Distance: Out to 130.0 NM Altitude: 16000.0 to 22000.0 Ft.		
	ESV:	Bearing [True]: 310.0° to 332.0° Bearing [Mag]: 298.0° to 320.0°			Arc Distance: Out to 110.0 NM Altitude: 13000.0 to 30000.0 Ft.		
	ESV:	Bearing [True]: 333.0° to 54.0° Bearing [Mag]: 321.0° to 42.0°			Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
	ESV:	Bearing [True]: 302.0° to 54.0° Bearing [Mag]: 290.0° to 42.0°			Arc Distance: Out to 115.0 NM Altitude: 13000.0 to 30000.0 Ft.		
18	DHT	N 36° 5' 29.25" W 102° 32' 40.70" E 12	L	4020.0	112.00	DHT	Not Used
	ESV:	Bearing [True]: 206.0° to 232.0° Bearing [Mag]: 194.0° to 220.0°			Arc Distance: Out to 104.0 NM Altitude: 10000.0 to 25000.0 Ft.		
19	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 15000.0 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]: 200.0° to 222.0° Bearing [Mag]: 187.0° to 209.0°			Arc Distance: Out to 60.0 NM Altitude: 10000.0 to 25000.0 Ft.		
20	TAS	N 36° 36' 31.57" W 105° 54' 22.75" E 13	L	7860.0	117.60	TAS	Not 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]: 223.0° to 323.0° Bearing [Mag]: 210.0° to 310.0°			Arc Distance: Out to 70.0 NM Altitude: 10000.0 to 25000.0 Ft.		
21	INW	N 35° 3' 41.77" W 110° 47' 42.09" E 14	H	4910.0	112.60	INW	Not Used
	ESV:	Bearing [True]: 104.0° to 122.0° Bearing [Mag]: 90.0° to 108.0°			Arc Distance: Out to 125.0 NM Altitude: 14000.0 to 25000.0 Ft.		

Radar Analysis

Return To Summary

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