Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: SID	Date Open: 02/22/2008	Task #: 2007010517118702001	Request #: 20070105171187
Procedure: SID EEONS (RNAV) ONE DENVER CO KDEN		Airport ID: KDEN	Airport: DENVER INTERNATIONAL		Reimbursable #:
City: DENVER	ST: CO	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID:	Fac. Type: Proc D	Specialist: CHARLES ERICKSON			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	02/29/2012	09/14/2012	DEZ SILAGYI	
QA:	09/14/2012	09/17/2012	SCOTT BEARD	
Liaison:	09/17/2012		Sparlin	DME/DME - MAGVAR - WAIVER

MAG VAR DME / DME P1

ESV REQUEST INCLUDED

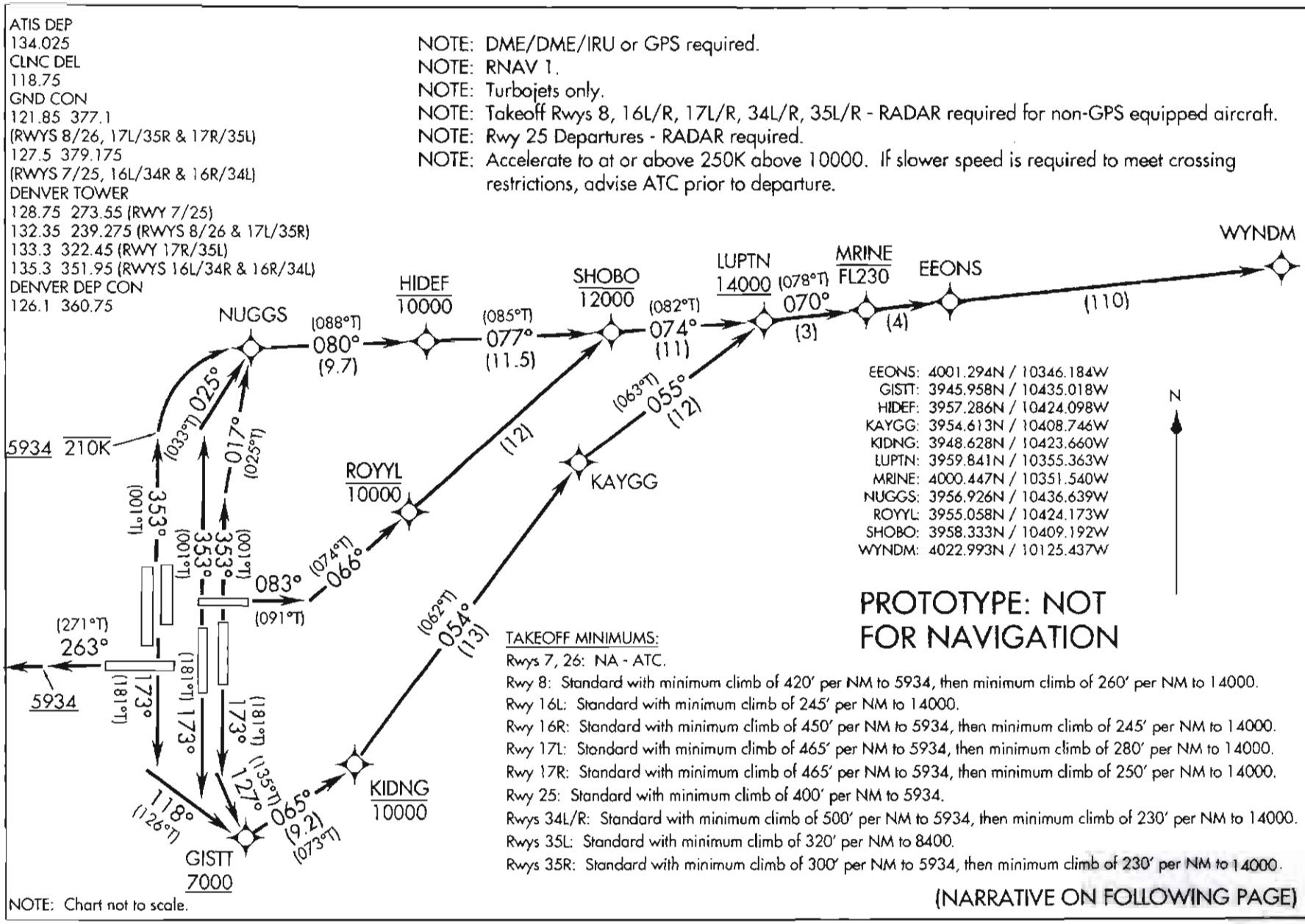
Procedure Comments: ENROUTE **Remark Type:** INFORMATION

pg 3 of 4

DENVER, CO DENVER INTL (KDEN) EEONS ONE (RNAV) (SID) ENROUTE-YES FC: 10.1.12 PUB: 1.10.13

ATTACHED FORMS: ESV REPORTS; 8260-15B; 8260-15C; 8260-2(S): GISTT, ORIG; HIDEF, ORIG; KAYGG, ORIG; KIDNG, ORIG; LUPTN, ORIG; MRINE, ORIG; NUGGS, ORIG; ROYYL, ORIG; SHOBO, ORIG; WYNDM, ORIG; (INFO ONLY) EEONS-INT, REV 1.

CONTACT: ADOLFO URRUTIA/LONNIE EVERHART-AVN-130 LEADS, 405.954.2079/ 405.954.4576.



(NARRATIVE ON FOLLOWING PAGE)

EEONS ONE DEPARTURE (RNAV)
(EEONS1.WYNDM) FIG
DENVER INTL (DEN)
DENVER, COLORADO

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 8: Climb heading 083° to intercept course 066° to cross ROYYL at or below 10000, then on track 066° to cross SHOBO at or below 12000, then on track 074° to cross LUPTN at or above 14000, thence . . . .

TAKEOFF RUNWAYS 16L/R, 17R: Climb heading 173° to intercept course 118° to cross GISTT at or above 7000, then on track 065° to cross KIDNG at or below 10000, then on track 054° to KAYGG, then on track 055° to cross LUPTN at or above 14000, thence . . . .

TAKEOFF RUNWAY 17L: Climb heading 173° to intercept course 127° to cross GISTT at or above 7000, then on track 065° to cross KIDNG at or below 10000, then on track 054° to KAYGG, then on track 055° to cross LUPTN at or above 14000, thence . . . .

TAKEOFF RUNWAY 25: Climb heading 263° to 5934, then continue climb heading 263° or as assigned by ATC for RADAR vectors to EEONS, thence . . . .

TAKEOFF RUNWAYS 34L/R: Climb heading 353° at or below 210K to 5934, then climbing right turn direct NUGGS, then on track 080° to cross HIDEF at or below 10000, then on track 077° to cross SHOBO at or below 12000, then on track 074° to cross LUPTN at or above 14000, thence . . . .

TAKEOFF RUNWAY 35L: Climb heading 353° to intercept course 025° to NUGGS, then on track 080° to cross HIDEF at or below 10000, then on track 077° to cross SHOBO at or below 12000, then on track 074° to cross LUPTN at or above 14000, thence . . . .

TAKEOFF RUNWAY 35R: Climb heading 353° to intercept course 017° to NUGGS, then on track 080° to cross HIDEF at or below 10000, then on track 077° to cross SHOBO at or below 12000, then on track 074° to cross LUPTN at or above 14000, thence . . . .

. . . . on depicted route to WYNDM. Maintain FL230 or filed lower altitude, expect higher filed altitude 10 minutes after departure.

TAKEOFF OBSTACLE NOTES

Rwy 16L: Multiple signs beginning 126' from DER, 490' left of centerline, up to 7' AGL/5359' MSL. Communication tower 4749' from DER, 1358' left of centerline, 107' AGL/5478' MSL.
Rwy 25: Sign 48' from DER, 450' right of centerline, 6' AGL/5354' MSL.

PROTOTYPE: NOT FOR NAVIGATION

ESV Details

Originating Office :	Airspace Docket Number	Request Type Establish

Facility Data

Chart Name AKRON	City AKRON	Ident AKO	State CO
Type/Class DME	Frequency M1178	Reference No. 12039891	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704171-012	60	75	66	140	192

Requirement: KDEN: EMMYS1 AND EEONS1 RNAV SIDS: MITIGATE CRITICAL DME'S

Signature: Dunn Martha	Routing Symbol: AJR-BAL	Date: 03/09/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704171-012	60	75	66	140	192	APPROVE

Requirement/Remarks: KDEN: EMMYS1 AND EEONS1 RNAV SIDS: MITIGATE CRITICAL DME'SAPPROVED PEND FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: pham Vu	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 704171-012	60	75	66	140	192	APPROVE

Requirement/Remarks: KDEN: EMMYS1 AND EEONS1 RNAV SIDS: MITIGATE CRITICAL DME'SAPPROVED. 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 704171-012	60	75				

Requirement/Remarks:

Signature	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : AKRON	City : AKRON	Ident : AKO	State : CO
Type/Class : DME	Frequency : M1178	Reference No.: 12039948	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704171-013	142	242	65	140	300

Requirement: KDEN: EMMYS1 AND EEONS1 RNAV SIDS: MITIGATE CRITICAL DME		
Signature: Dunn Martha	Routing Symbol: AJR-BAL	Date: 03/12/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704171-013	142	242	65	140	300	APPROVE

Requirement/Remarks: KDEN: EMMYS1 AND EEONS1 RNAV SIDS: MITIGATE CRITICAL DMEAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: pham Vu	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 704171-013	142	242	65	140	300	APPROVE

Requirement/Remarks: KDEN: EMMYS1 AND EEONS1 RNAV SIDS: MITIGATE CRITICAL DMEAPPROVED. 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 704171-013	142	242				

Requirement/Remarks:		
Signature:	Routing Symbol:	Date:

ESV Details

Originating Office	Airspace Docket Number	Request Type : Establish	
Facility Data			
Chart Name : AKRON	City : AKRON	Ident : AKO	State : CO
Type/Class : DME	Frequency : M1178	Reference No. : 12039849	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704171-011	142	217	65	140	300

Requirement: KDEN: EXTAN1 & EPKEE1 RNAV SID: MITIGATE CRITICAL DME

Signature: Dunn Martha	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 704171-011	142	217	65	140	300	APPROVE

Requirement/Remarks: KDEN: EXTAN1 & EPKEE1 RNAV SID: MITIGATE CRITICAL DMEAPPROVED: PEND: FLIGHT CHK/INSPECT @ THE REQ: DIST: AND MIN ALT:

Signature: pham Vu	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 704171-011	142	217	65	140	300	APPROVE

Requirement/Remarks: KDEN: EXTAN1 & EPKEE1 RNAV SID: MITIGATE CRITICAL DMEAPPROVED: 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 704171-011	142	217				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : JEFFCO	City : BROOMFIELD	Ident : BJC	State : CO
Type/Class : DME	Frequency : M1188	Reference No.: 12039946	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 910541-002	69	97	63	140	310

Requirement: KDEN: EEONS1 RNAV SID: MITIGATE CRITICAL DME

Signature: Dunn Martha	Routing Symbol: AJR-BAL	Date: 03/12/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910541-002	69	97	63	140	310	APPROVE

Requirement/Remarks: KDEN: EEONS1 RNAV SID: MITIGATE CRITICAL DMEAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: pham Vu	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 910541-002	69	97	63	140	310	APPROVE

Requirement/Remarks: KDEN: EEONS1 RNAV SID: MITIGATE CRITICAL DMEAPPROVED. 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 910541-002	69	97				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office	Airspace Docket Number	Request Type: Establish

Facility Data

Chart Name: FALCON VORTAC	City: DENVER	Ident: FQF	State: CO
Type/Class: TACR	Frequency: M1197	Reference No: 12086321	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 910284-022	53	63	74	140	300

Requirement: KDEN: EEONS1 RNAV SID

Signature: Dunn Martha	Routing Symbol: AJR-BAL	Date: 08/20/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910284-022	53	63	74	140	300	APPROVE

Requirement/Remarks: KDEN: EEONS1 RNAV SIDAPPROVED PEND FLIGHT CHK/INSPECT @ THE REQ DIST AND MIN ALT

Signature: Nguyen Khoat	Routing Symbol:	Date: 08/20/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910284-022	53	63	74	140	300	APPROVE

Requirement/Remarks: KDEN: EEONS1 RNAV SIDAPPROVED PEND FLIGHT CHK/INSPECT @ THE REQ. DIST AND MIN ALT

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/21/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910284-022	53	63				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : GOODLAND	City : GOODLAND	Ident : GLD	State : KS
Type/Class : TACR	Frequency : M1185	Reference No.: 12029246	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704196-009	290	4	80	140	182

Requirement: KDEN EEONS SID MITIGATE CRITICAL DME		
Signature: Amengual John	Routing Symbol:	Date: 02/16/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704196-009	290	4	80	140	182	APPROVE

Requirement/Remarks: KDEN EEONS SID MITIGATE CRITICAL DMEAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: BOWERS MIKE	Routing Symbol:	Date: 02/17/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704196-009	290	4	80	140	182	APPROVE

Requirement/Remarks: KDEN EEONS SID MITIGATE CRITICAL DMEAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: Hughes Dennis	Routing Symbol:	Date: 02/17/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704196-009	290	4				

Requirement/Remarks:		
Signature:	Routing Symbol:	Date:

ESV Details

Originating Office	Airspace Docket Number :	Request Type : Establish

Facility Data

Chart Name: GOODLAND	City: GOODLAND	Ident: GLD	State : KS
Type/Class: TACR	Frequency: M1185	Reference No.: 12039977	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704196-011	290	4	80	140	182

Requirement: KDEN: EEONS1 AND EMMYS1 RNAV SIDS: MITIGATE CRITICAL DME

Signature: Dunn Martha	Routing Symbol: AJR-BAL	Date: 03/13/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704196-011	290	4	80	140	182	APPROVE

Requirement/Remarks: KDEN: EEONS1 AND EMMYS1 RNAV SIDS: MITIGATE CRITICAL DMEAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: BOWERS MIKE	Routing Symbol:	Date: 03/14/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704196-011	290	4	80	140	182	APPROVE

Requirement/Remarks: KDEN: EEONS1 AND EMMYS1 RNAV SIDS: MITIGATE CRITICAL DMEAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 03/14/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704196-011	290	4				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office	Airspace Docket Number	Request Type: Establish	
Facility Data			
Chart Name: HAYES CENTER	City: HAYES CENTER	Ident: HCT	State: NE
Type/Class: TACR	Frequency: M1211	Reference No: 12029269	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698236-005	229	256	73	140	176

Requirement: KDEN: EEONS1 & EMMYS 1 RNAV SIDS. MITIGATE CRITICAL DME'S

Signature: Dunn Martha	Routing Symbol: ARJ-BAL	Date: 02/17/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698236-005	229	256	73	140	176	APPROVE

Requirement/Remarks: KDEN: EEONS1 & EMMYS 1 RNAV SIDS. MITIGATE CRITICAL DME'S.APPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: BOWERS MIKE	Routing Symbol:	Date: 02/27/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698236-005	229	256	73	140	176	APPROVE

Requirement/Remarks: KDEN: EEONS1 & EMMYS 1 RNAV SIDS. MITIGATE CRITICAL DME'S.APPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 02/27/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698236-005	229	256				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : HUGO	City : HUGO	Ident : HGO	State : CO
Type/Class : TACR	Frequency : M1019	Reference No : 12086320	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 860203-021	358	210	92	140	310

Requirement: KDEN EEONS1 RNAV SID

Signature: Dunn Martha	Routing Symbol: AJR-BAL	Date: 08/20/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 860203-021	358	210	92	140	310	APPROVE

Requirement/Remarks: KDEN EEONS1 RNAV SIDAPPROVED PEND FLIGHT CHK/INSPECT @ THE REQ DIST AND MIN ALT.

Signature: Nguyen Khoal	Routing Symbol:	Date: 08/20/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 860203-021	358	210	92	140	310	APPROVE

Requirement/Remarks: KDEN EEONS1 RNAV SIDAPPROVED PEND FLIGHT CHK/INSPECT @ THE REQ DIST AND MIN ALT

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/21/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 860203-021	358	210				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : HUGO VORTAC	City : HUGO	Ident : HGO	State : CO
Type/Class : TACR	Frequency : M1019	Reference No.: 12086280	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 860203-020	330	1	84	139	200

Requirement: KDEN: EEONS1 RNAV SID		
Signature: Dunn Martha	Routing Symbol: AJR-BAL	Date: 08/17/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 860203-020	330	1	84	139	200	APPROVE

Requirement/Remarks: KDEN: EEONS1 RNAV SIDAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: Nguyen Khoat	Routing Symbol:	Date: 08/20/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 860203-020	330	1	84	139	200	APPROVE

Requirement/Remarks: KDEN: EEONS1 RNAV SIDAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/21/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 860203-020	330	1				

Requirement/Remarks:		
Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : HUGO	City : HUGO	Ident : HGO	State : CO
Type/Class : TACR	Frequency : M1019	Reference No.: 12039888	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 860203-009	326	346	64	140	310

Requirement: KDEN: EXTAN1 AND EPKEE1 RNAV SIDS: MITIGATE CRITICAL DME

Signature: Dunn Martha	Routing Symbol:	Date: 03/09/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 860203-009	326	346	64	140	310	APPROVE

Requirement/Remarks: KDEN: EXTAN1 AND EPKEE1 RNAV SIDS: MITIGATE CRITICAL DMEAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: pham Vu	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 860203-009	326	346	64	140	310	APPROVE

Requirement/Remarks: KDEN: EXTAN1 AND EPKEE1 RNAV SIDS: MITIGATE CRITICAL DMEAPPROVED 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 860203-009	326	346				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : SEARLE	City : OGALLALA	Ident : SAE	State : NE
Type/Class : DME	Frequency : M1000	Reference No.: 12029252	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
NG 008880-001	142	169	75	100	230

Requirement: KDEN: EEONS1 & EMMYS1 RNAV SIDS: MITIGATE CRITICAL DME'S

Signature: Dunn Martha	Routing Symbol:	Date: 02/16/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
NG 008880-001	142	169	75	100	230	APPROVE

Requirement/Remarks: KDEN: EEONS1 & EMMYS1 RNAV SIDS: MITIGATE CRITICAL DME'SAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: BOWERS MIKE	Routing Symbol:	Date: 02/17/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
NG 008880-001	142	169	75	100	230	APPROVE

Requirement/Remarks: KDEN: EEONS1 & EMMYS1 RNAV SIDS: MITIGATE CRITICAL DME'SAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 02/17/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
NG 008880-001	142	169				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name . SIDNEY	City : SIDNEY	Ident : SNY	State : NE
Type/Class : TACR	Frequency : M1193	Reference No : 12029268	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 670800-015	126	172	80	140	188

Requirement. KDEN. EMMYS1 & EEONS1 RNAV SIDS: MITIGATE CRITICAL DME'S		
Signature. Dunn Martha	Routing Symbol. AJR-BAL	Date: 02/17/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 670800-015	126	172	80	140	188	APPROVE

Requirement/Remarks: KDEN: EMMYS1 & EEONS1 RNAV SIDS: MITIGATE CRITICAL DME'SAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: BOWERS MIKE	Routing Symbol:	Date: 02/27/2012

Expanded Service Volume Data: (Super FMO)

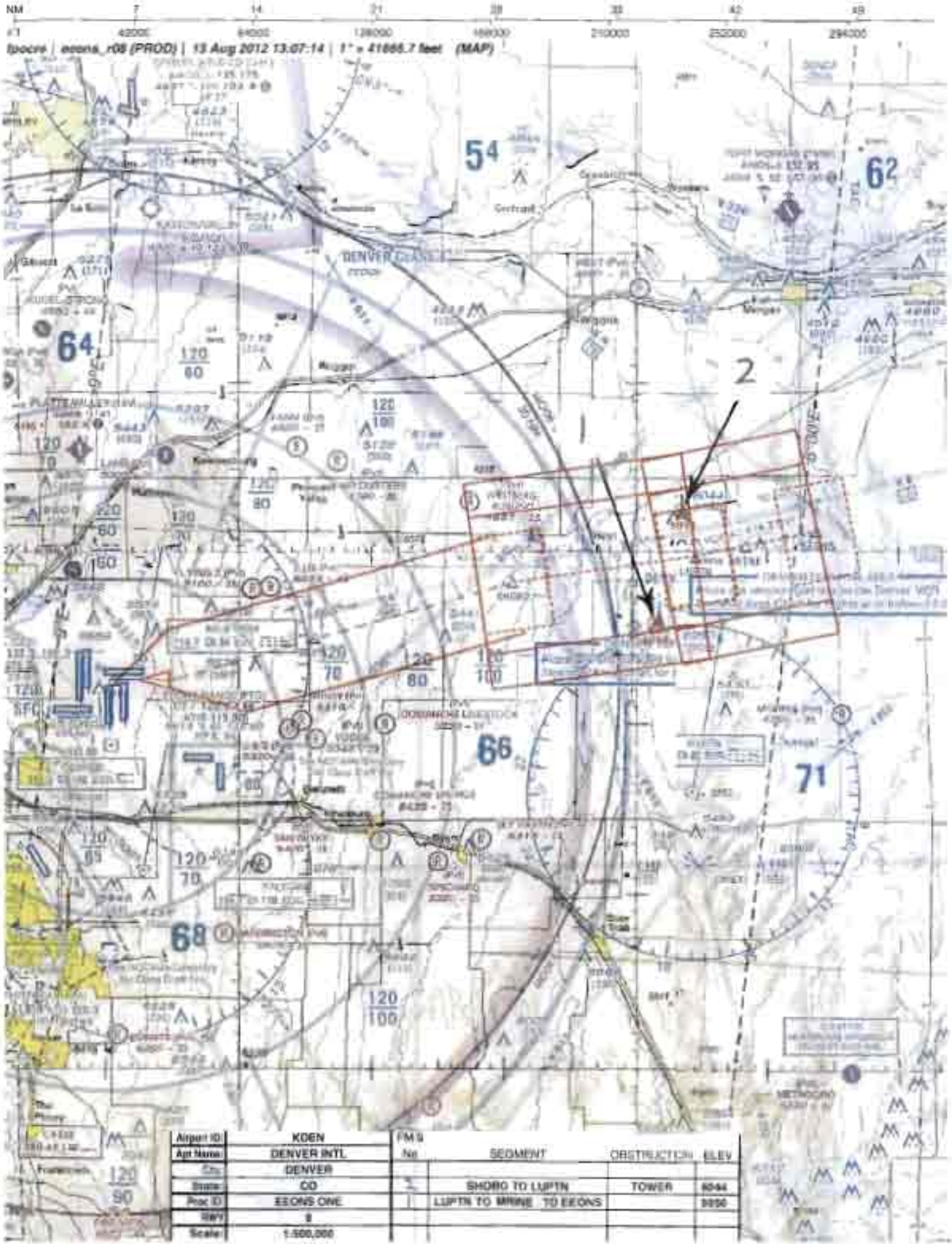
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 670800-015	126	172	80	140	188	APPROVE

Requirement/Remarks: KDEN: EMMYS1 & EEONS1 RNAV SIDS: MITIGATE CRITICAL DME'SAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature. CHRISTEIN THOMAS	Routing Symbol:	Date: 02/27/2012

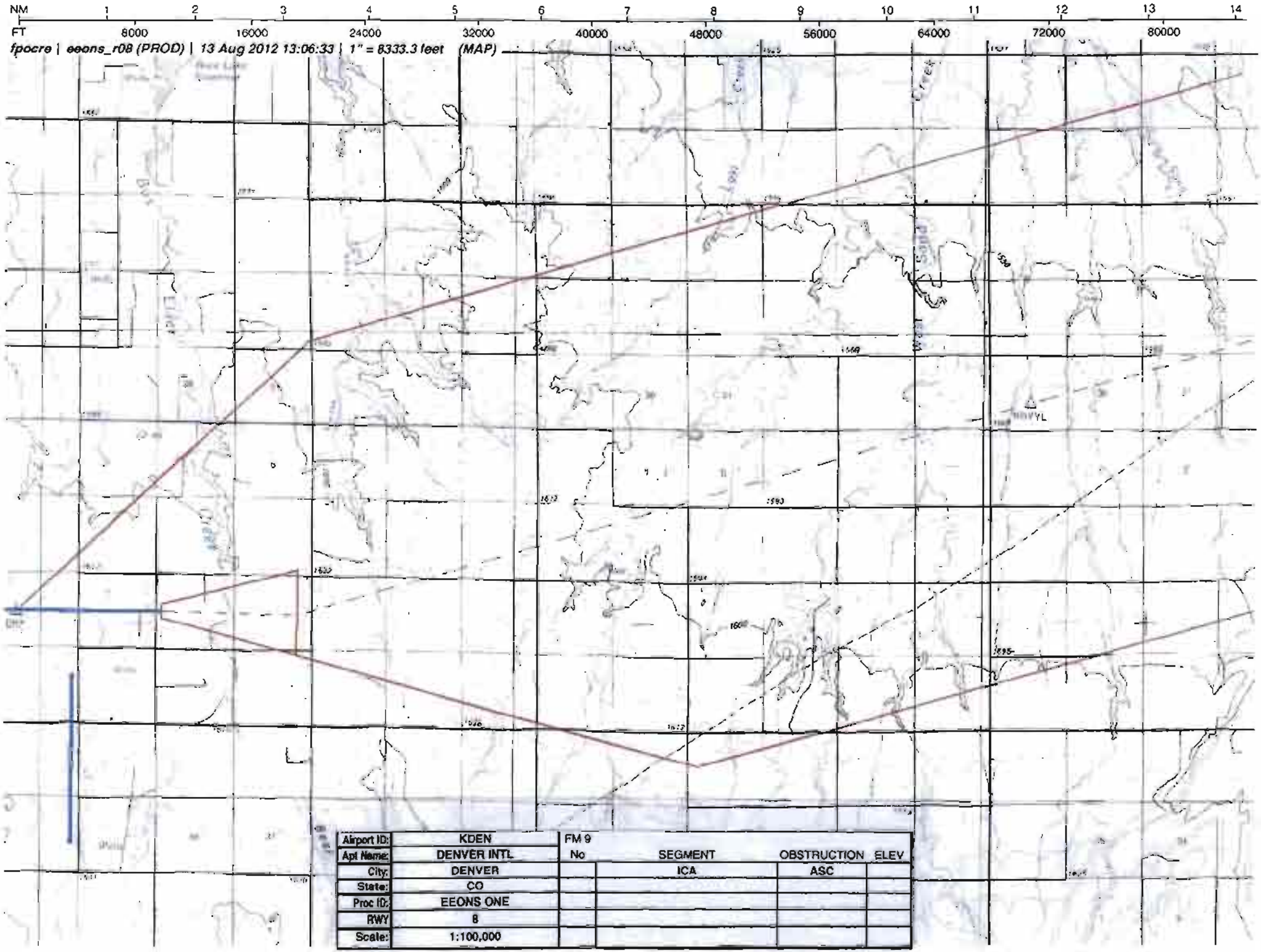
Expanded Service Volume Data: (FIFO)

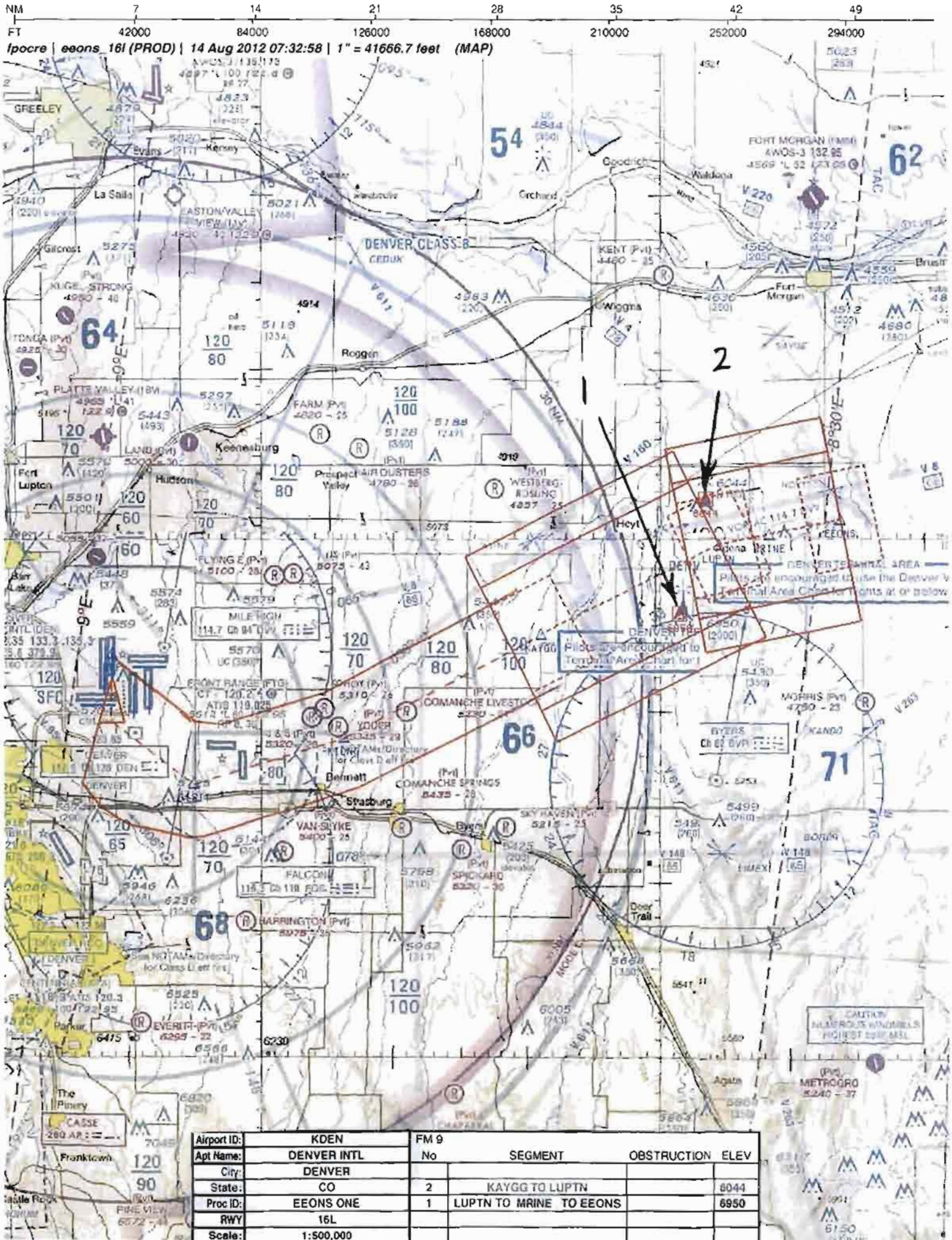
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 670800-015	126	172				

Requirement/Remarks:		
Signature:	Routing Symbol:	Date:

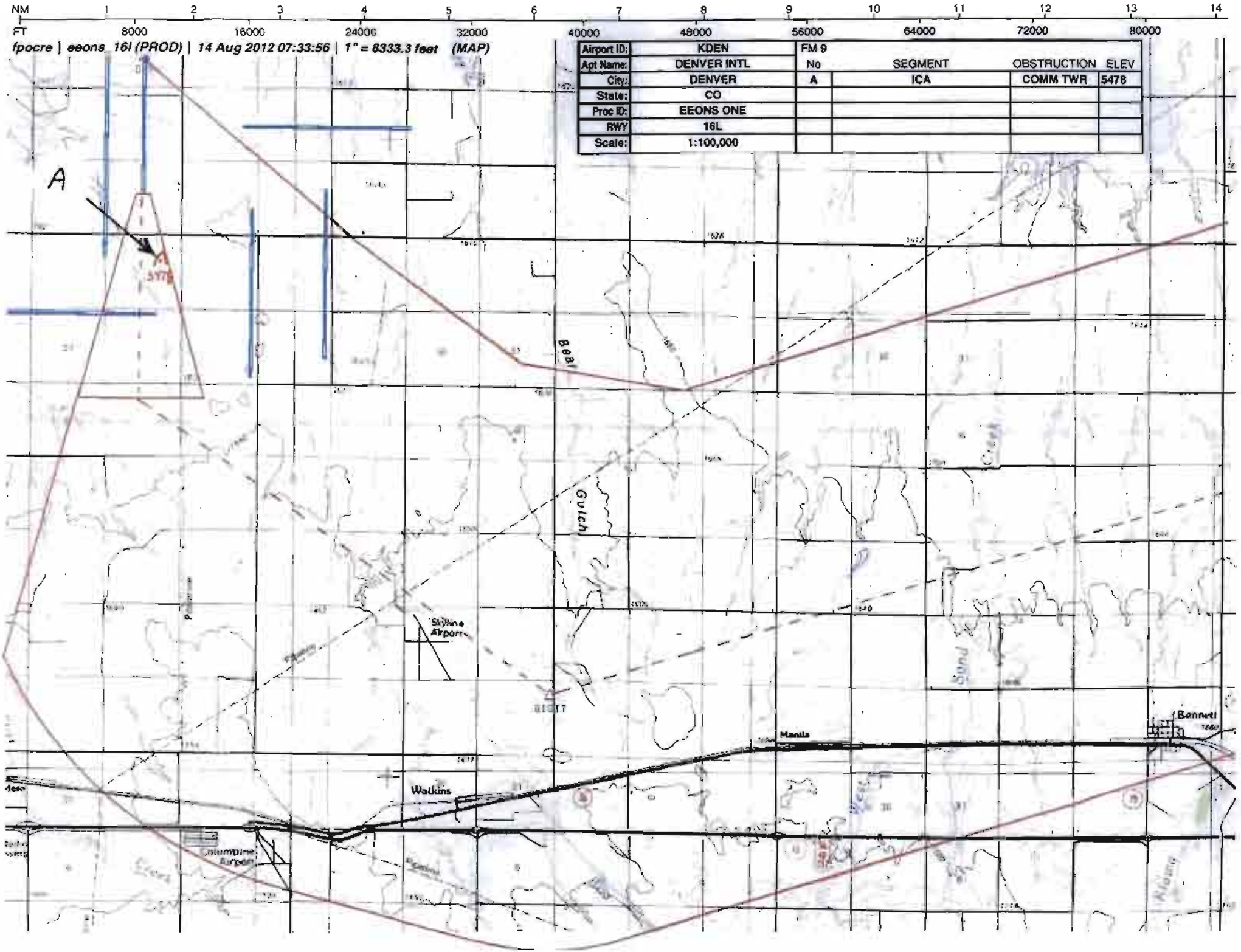


NM
7
14
21
28
35
42
49
42000
84000
126000
168000
210000
252000
294000
fpocre | eeons_r08 (PROD) | 13 Aug 2012 13:07:14 | 1" = 41666.7 feet (MAP)
54
62
64
66
71
68
DENVER CLASS B
2
1
120
60
120
100
120
80
120
70
120
90
Airport ID: KDEN
Apt Name: DENVER INTL
City: DENVER
State: CO
Proc ID: EEONS ONE
Rev: 0
Scale: 1:500,000
FMS No
SEGMENT
OBSTRUCTION
ELEV
SHOBO TO LUPTN
TOWER
LUPTN TO MRINE TO EEONS

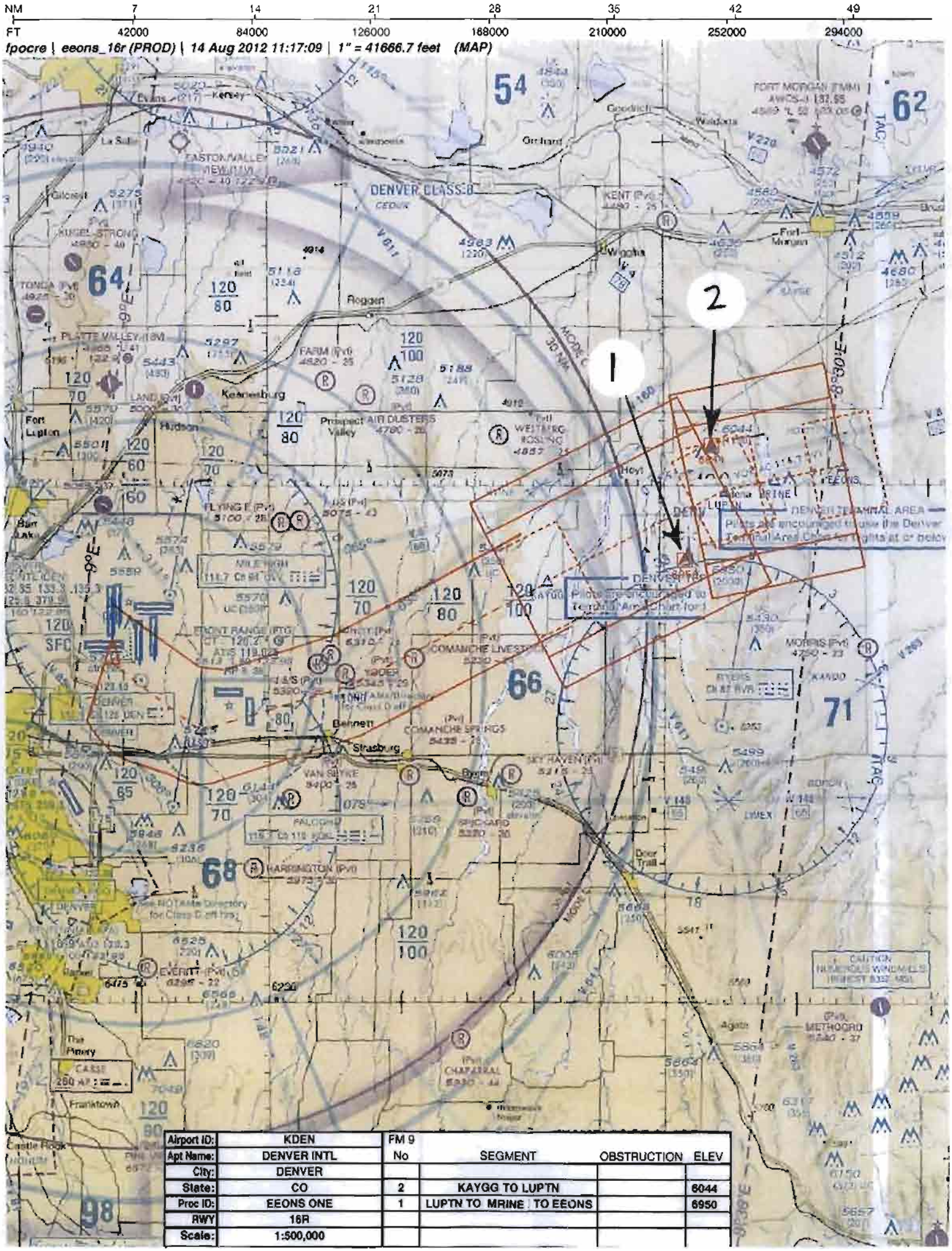

NM 1 2 3 4 5 6 7 8 9 10 11 12 13 14
FT 8000 16000 24000 32000 40000 48000 56000 64000 72000 80000
fpocre | eeons_r08 (PROD) | 13 Aug 2012 13:06:33 | 1" = 8333.3 feet (MAP)
Airport ID: KDEN
Apt Name: DENVER INTL
City: DENVER
State: CO
Proc ID: EEONS ONE
RWY 8
Scale: 1:100,000
FM 9
No
SEGMENT
ICA
OBSTRUCTION
ASC
ELEV



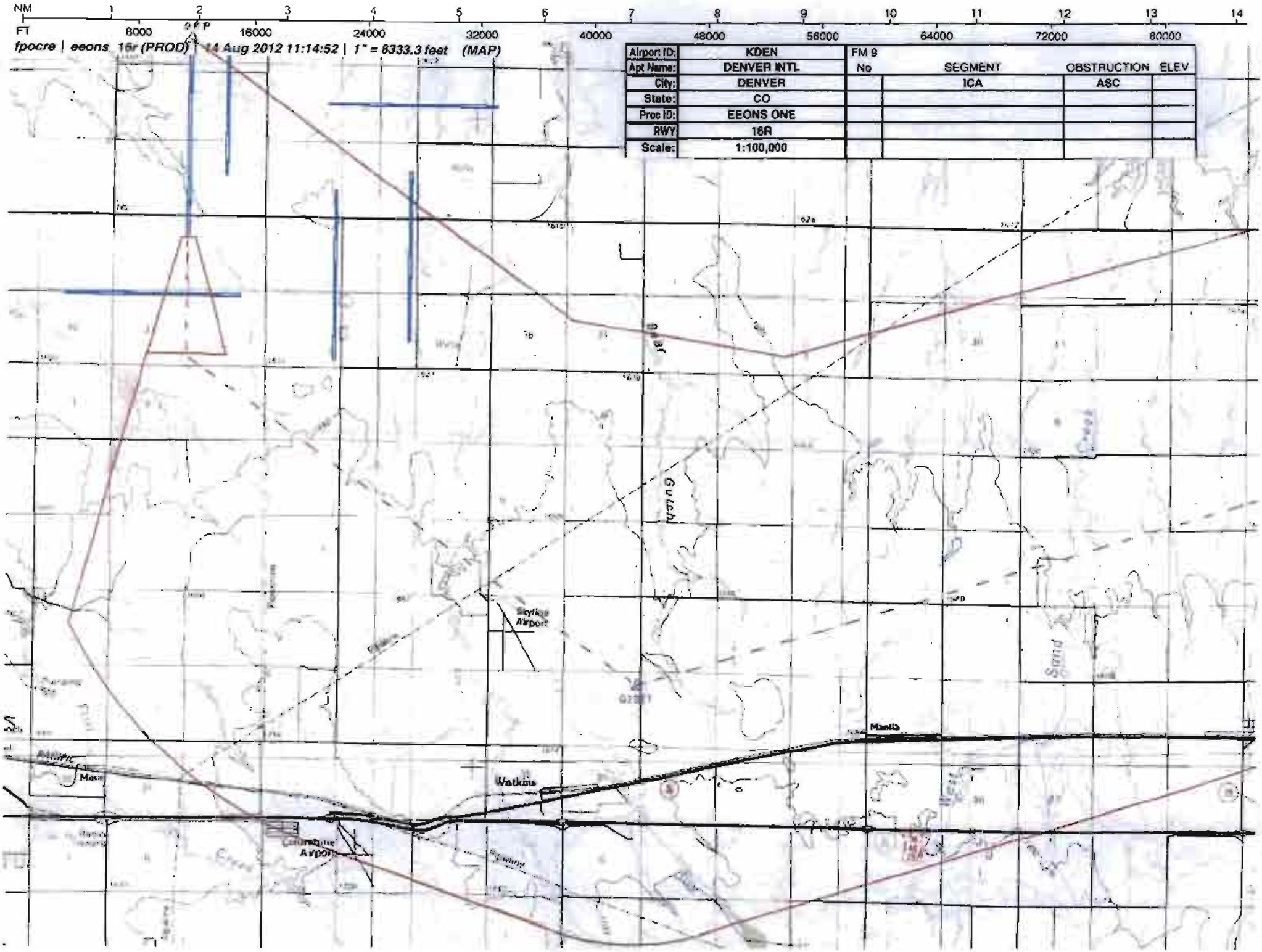
Airport ID:	KDEN	FM 9			
Apt Name:	DENVER INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	DENVER				
State:	CO	2	KAYGG TO LUPTN		6044
Proc ID:	EEONS ONE	1	LUPTN TO MRINE TO EEONS		6950
RWY	16L				
Scale:	1:500,000				

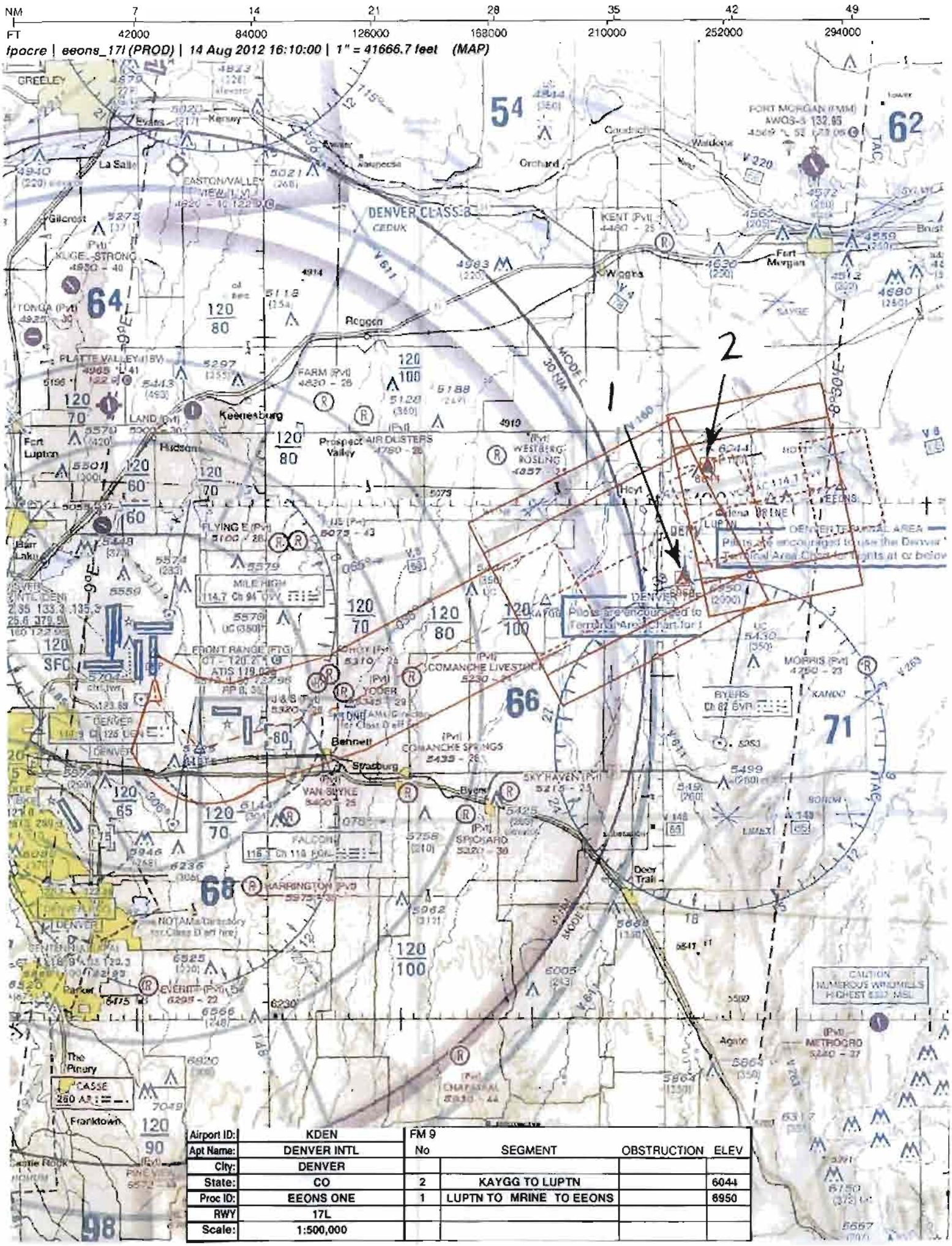


Airport ID:	KDEN	FM 9			
Apt Name:	DENVER INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	DENVER	A	ICA	COMM TWR	5478
State:	CO				
Proc ID:	EEONS ONE				
RWY	16L				
Scale:	1:100,000				



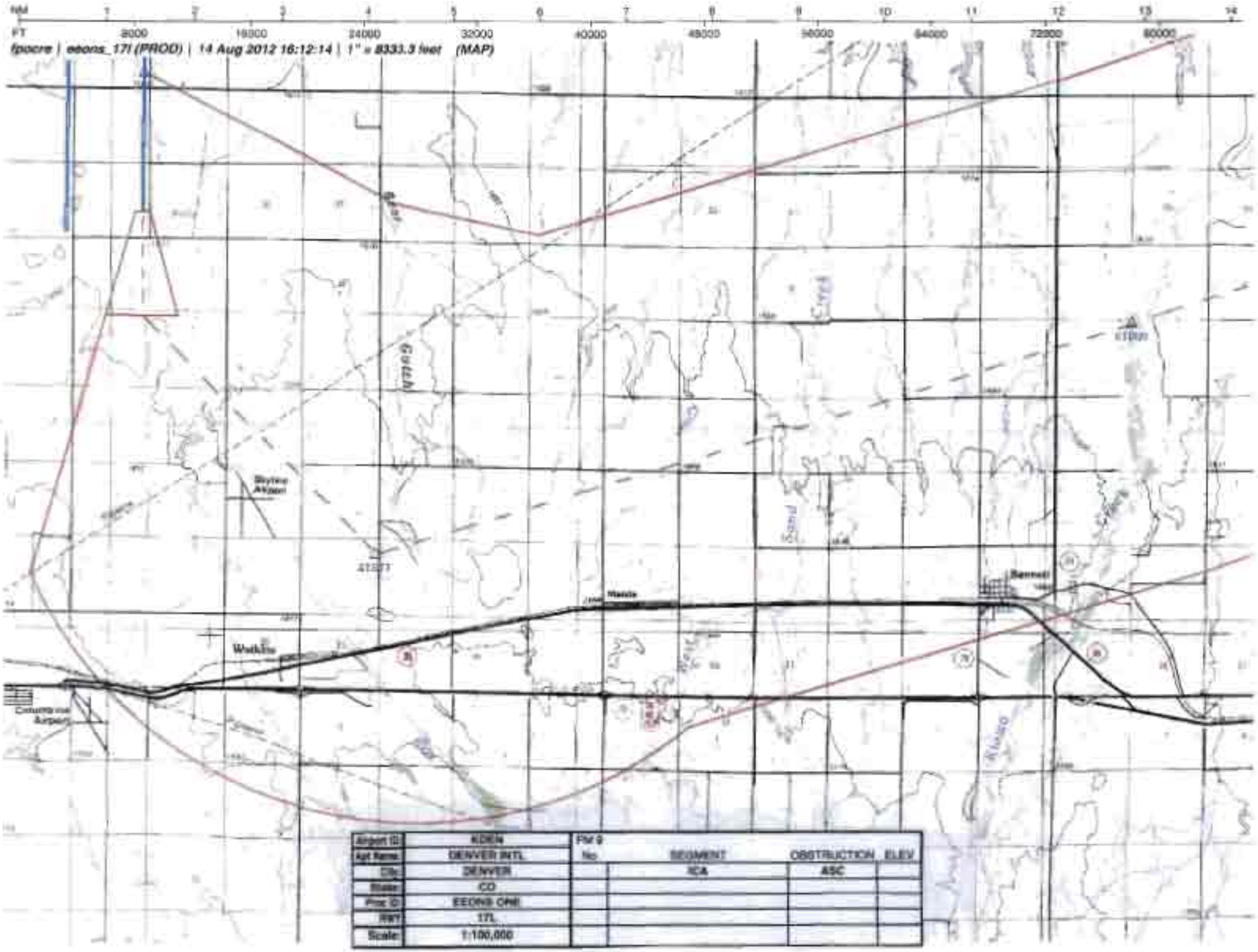
Airport ID:	KDEN	FM 9			
Apt Name:	DENVER INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	DENVER				
State:	CO	2	KAYGG TO LUPTN		6044
Proc ID:	EEONS ONE	1	LUPTN TO MRINE TO EEONS		6950
RWY	16R				
Scale:	1:500,000				


NM 1 2 3 4 5 6 7 8 9 10 11 12 13 14
FT 8000 16000 24000 32000 40000 48000 56000 64000 72000 80000
fpocre | eeons 16r (PROD) | 14 Aug 2012 11:14:52 | 1" = 8333.3 feet (MAP)
Airport ID: KDEN
Apt Name: DENVER INTL
City: DENVER
State: CO
Proc ID: EEONS ONE
RWY: 16R
Scale: 1:100,000
FM 9
No SEGMENT OBSTRUCTION ELEV
ICA ASC
Gulch
Skyline Airport
Watkins
Manila
Columbine Airport
Sand

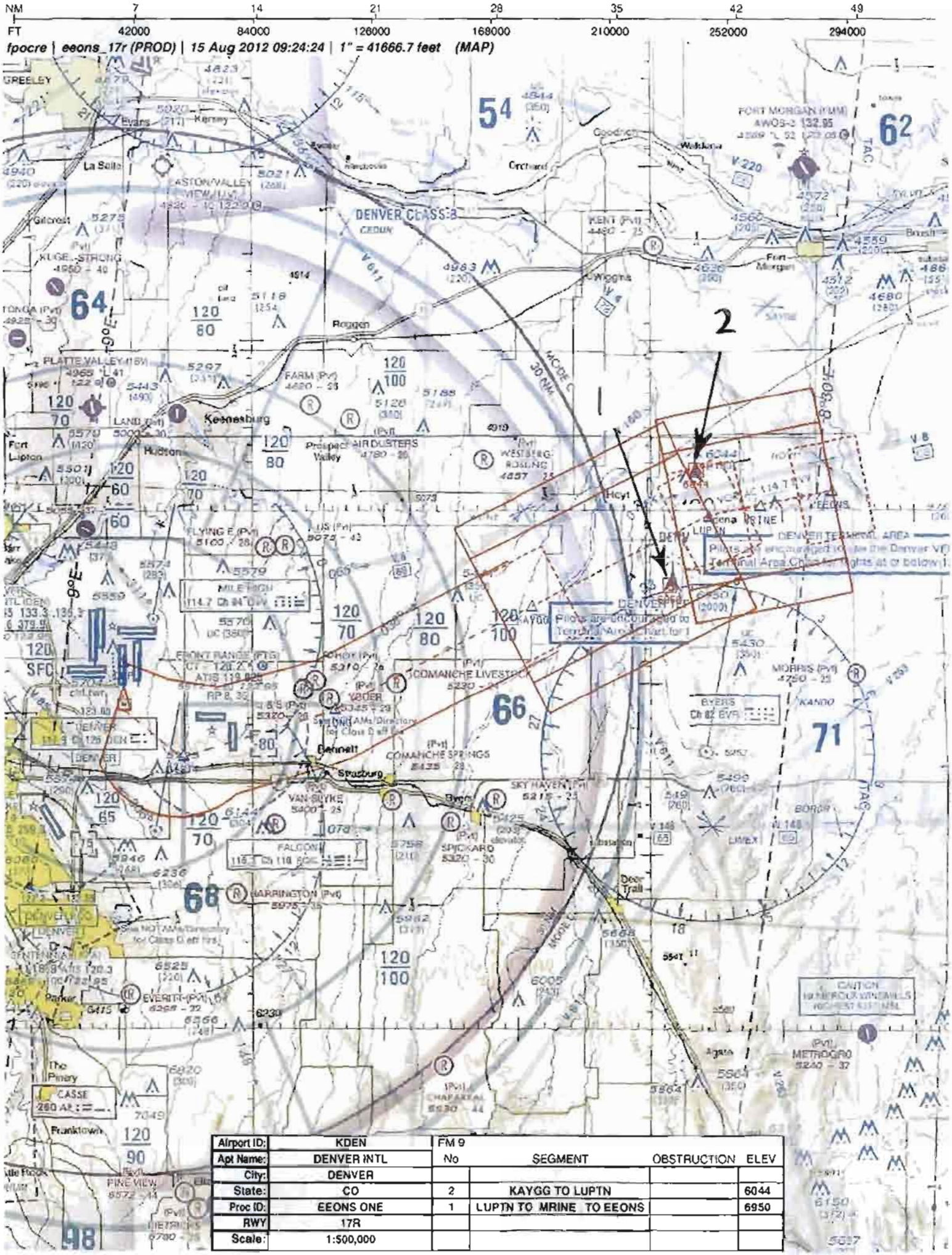


Airport ID:	KDEN
Apt Name:	DENVER INTL
City:	DENVER
State:	CO
Proc ID:	EEONS ONE
RWY	17L
Scale:	1:500,000

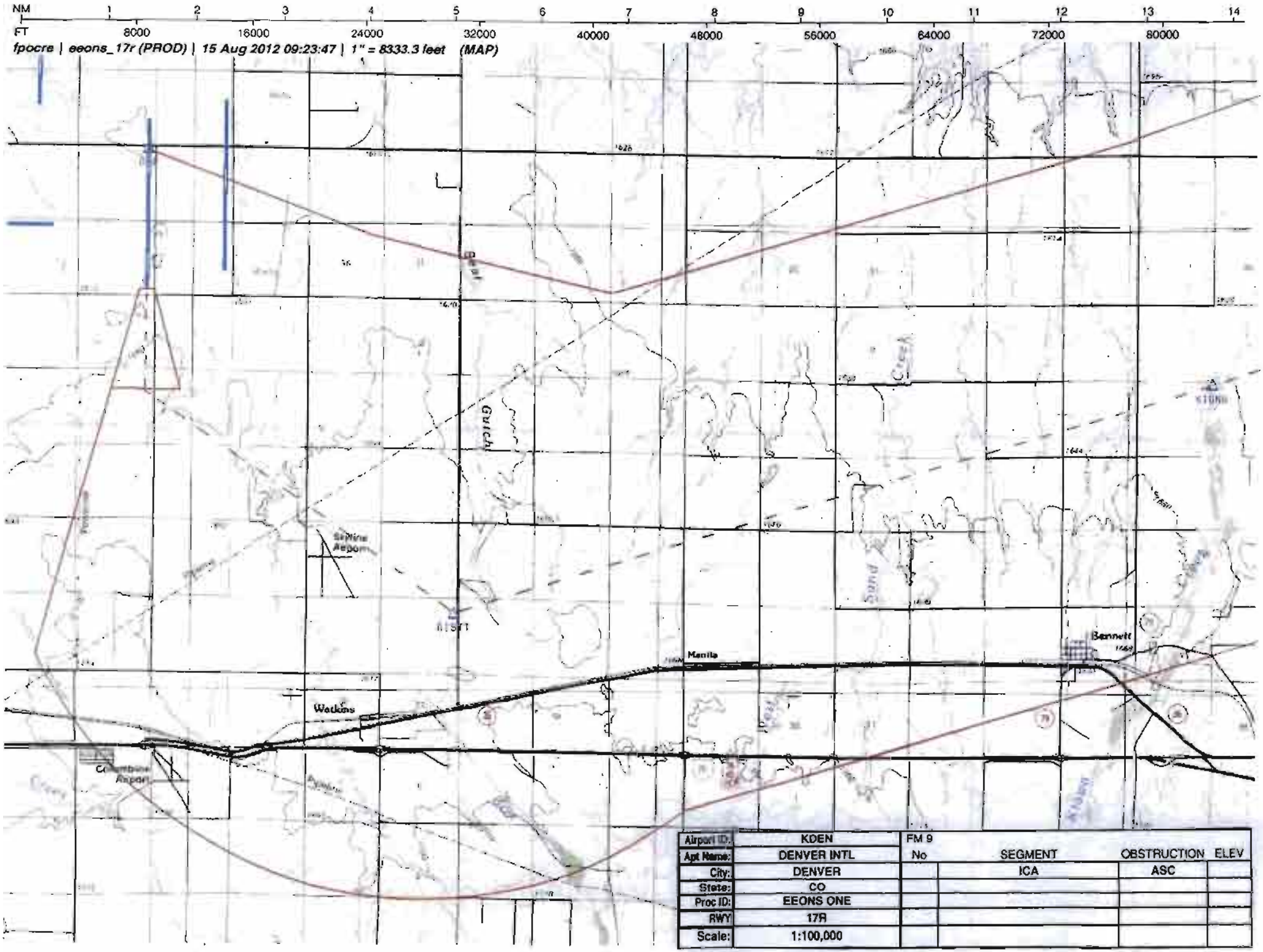
FM 9 No	SEGMENT	OBSTRUCTION	ELEV
2	KAYGG TO LUPTN		6044
1	LUPTN TO MRINE TO EEONS		6950



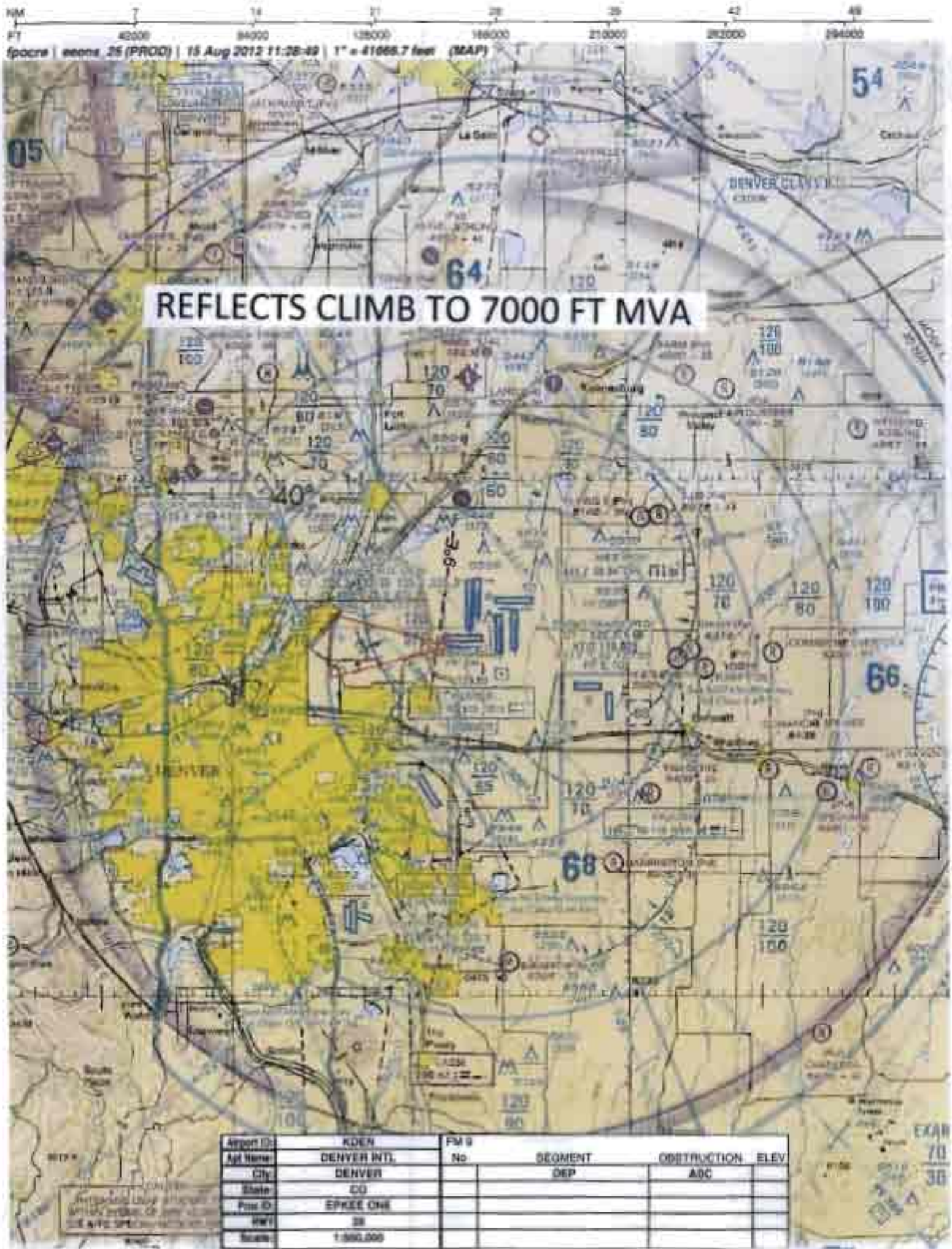
Airport ID:	KDEN	FM 9			
Apt Name:	DENVER INTL	No.	SEGMENT	OBSTRUCTION	ELEV
City:	DENVER		ICA	ASC	
State:	CO				
Proc ID:	EEONS ONE				
RWY:	17L				
Scale:	1:100,000				

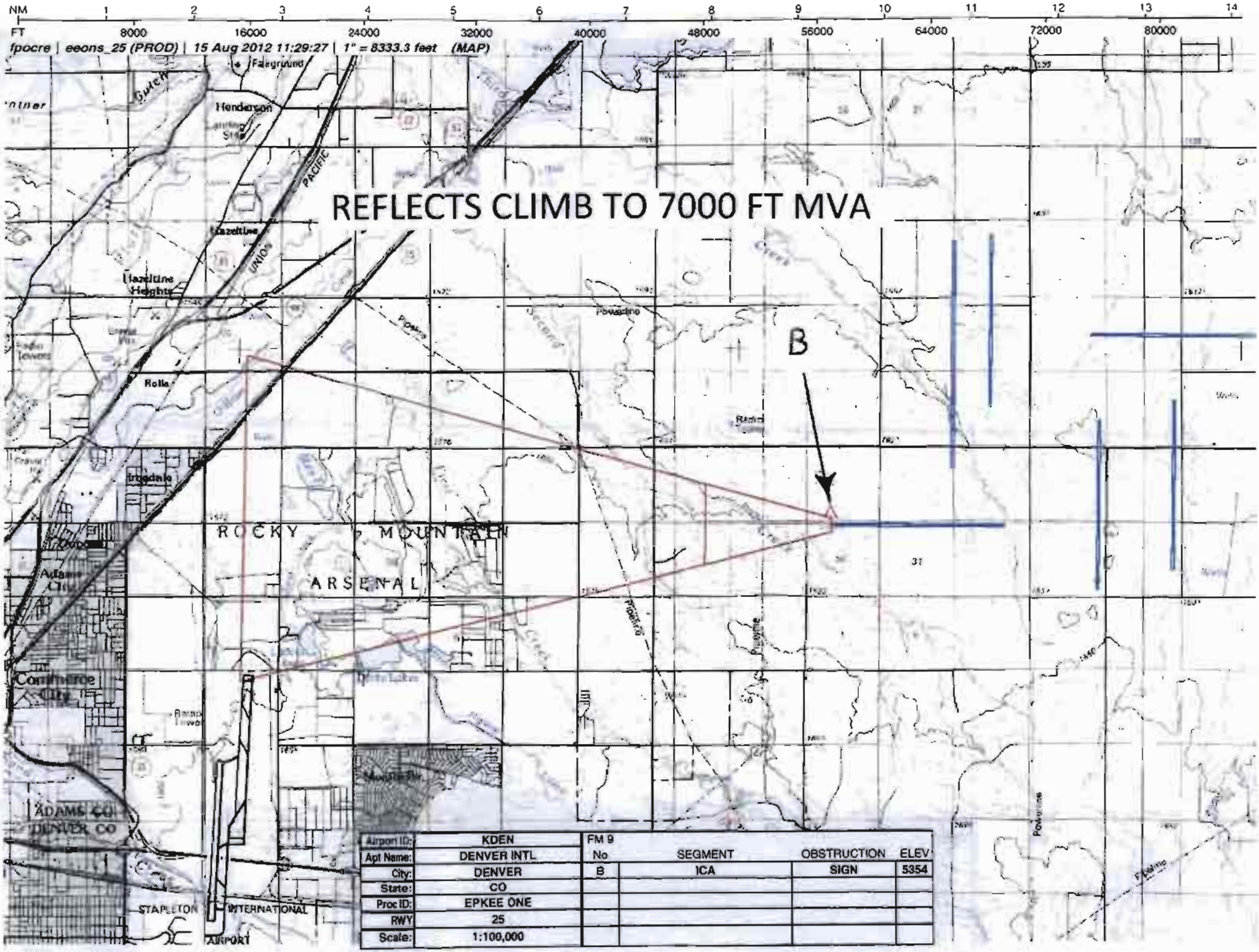


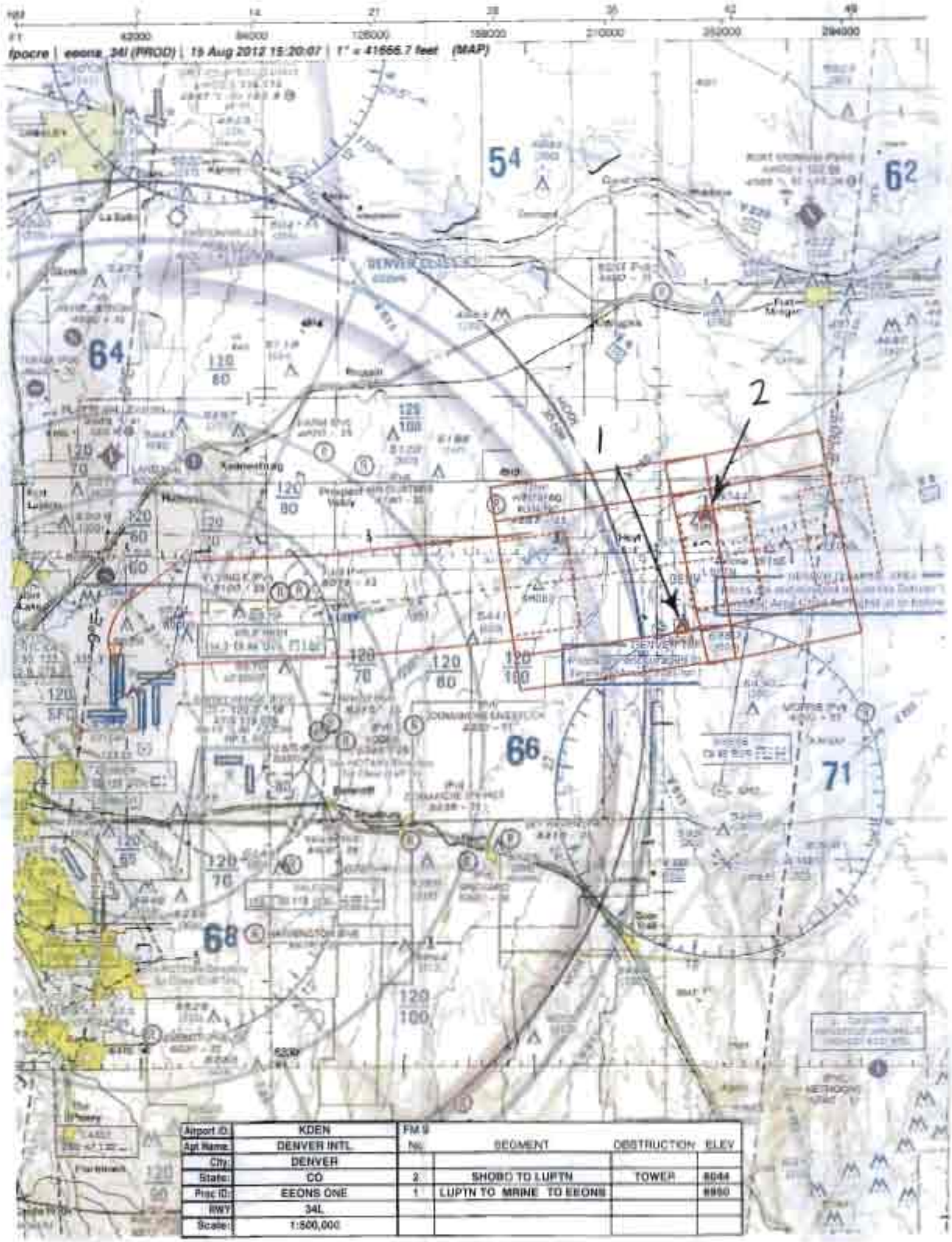
Airport ID:	KDEN	FM 9			
Apt Name:	DENVER INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	DENVER				
State:	CO	2	KAYGG TO LUPTN		6044
Proc ID:	EEONS ONE	1	LUPTN TO MRINE TO EEONS		6950
RWY	17R				
Scale:	1:500,000				



		FM 9			
Airport ID:	KDEN	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	DENVER INTL		ICA	ASC	
City:	DENVER				
State:	CO				
Proc ID:	EEONS ONE				
RWY	17R				
Scale:	1:100,000				

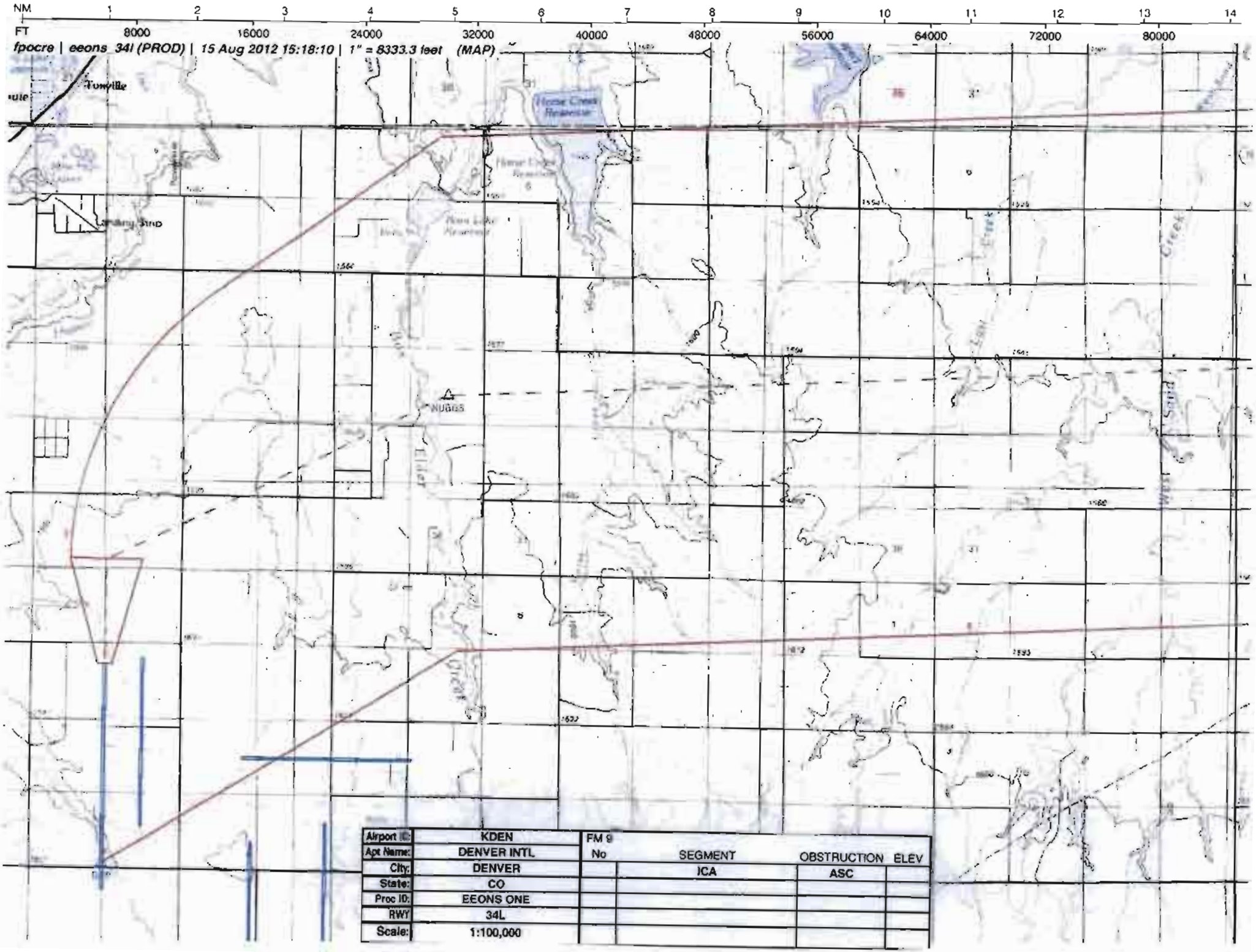

fpocrs | eeons_26 (PROD) | 15 Aug 2012 11:28:49 | 1" = 41666.7 feet (MAP)
REFLECTS CLIMB TO 7000 FT MVA
DENVER
Airport ID: KDEN
Apt Name: DENVER INTL
City: DENVER
State: CO
Proc ID: EPKEE ONE
RWY: 35
Scale: 1:500,000
FM 9
No
SEGMENT
DEP
OBSTRUCTION
ADC
ELEV

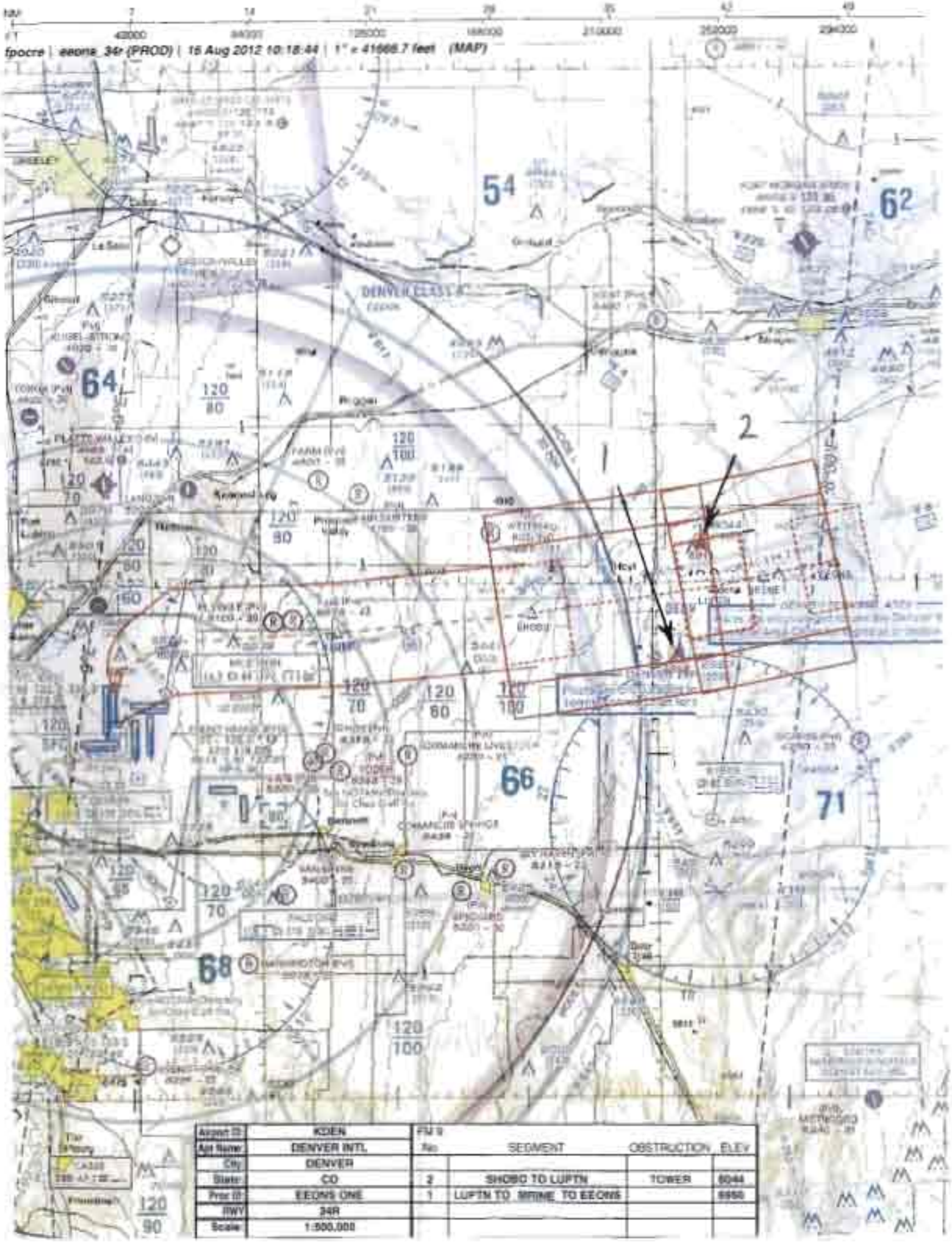

NM 1 2 3 4 5 6 7 8 9 10 11 12 13 14
FT 8000 16000 24000 32000 40000 48000 56000 64000 72000 80000
fpocre | eeons_25 (PROD) | 15 Aug 2012 11:29:27 | 1" = 8333.3 feet (MAP)
REFLECTS CLIMB TO 7000 FT MVA
B
Henderson
Hazeltine
Hazeltine Heights
Rolla
Irondale
ROCKY MOUNTAIN ARSENAL
Commerce City
ADAMS CO
DENVER CO
STAPLETON INTERNATIONAL AIRPORT
Airport ID: KDEN
Apt Name: DENVER INTL
City: DENVER
State: CO
Proc ID: EPKEE ONE
RWY 25
Scale: 1:100,000
FM 9
No SEGMENT OBSTRUCTION ELEV
B ICA SIGN 5354



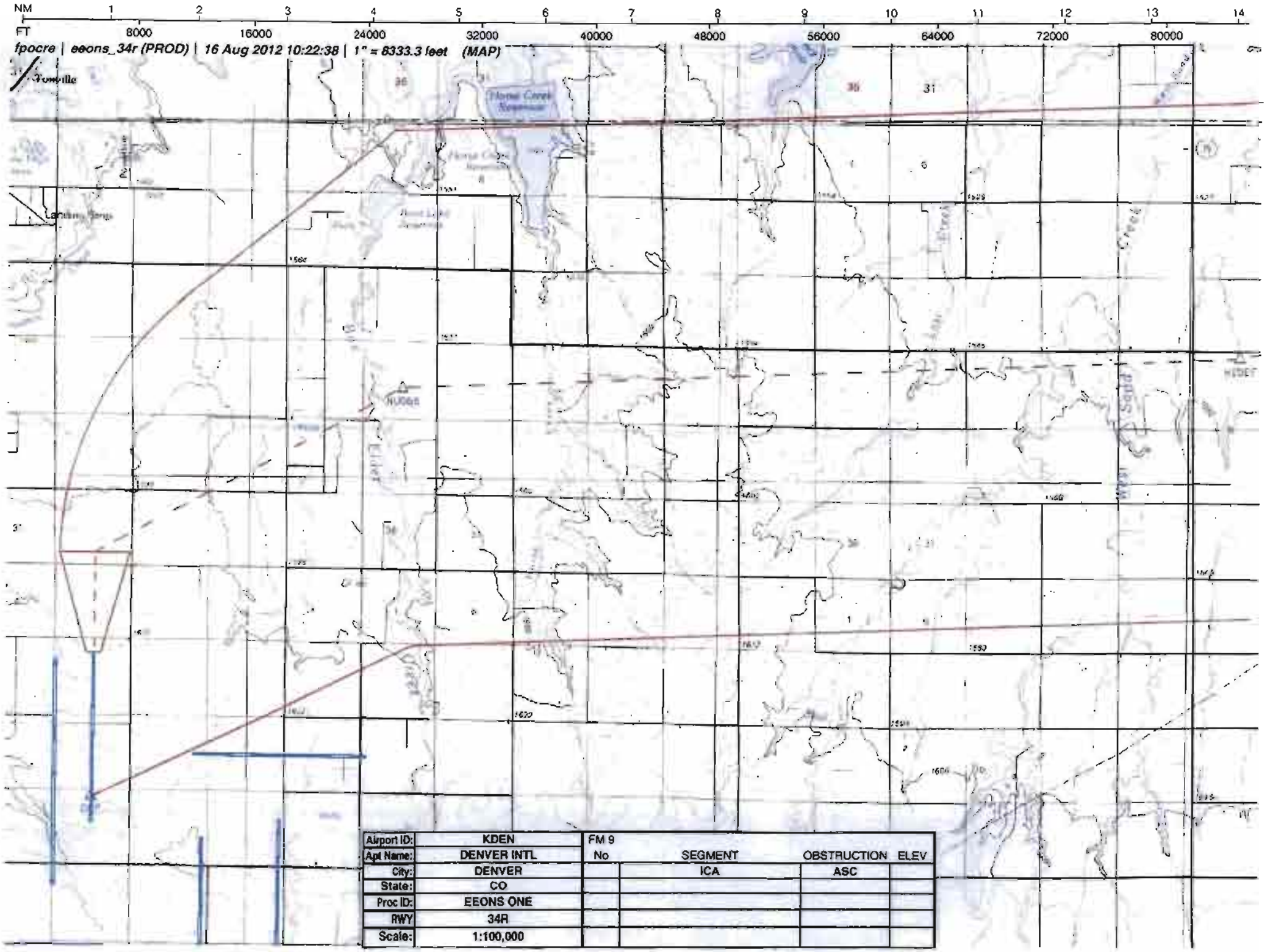
Airport ID:	KDEN
Apt Name:	DENVER INTL
City:	DENVER
State:	CO
Proc ID:	EEONS ONE
RWY	34L
Scale:	1:500,000

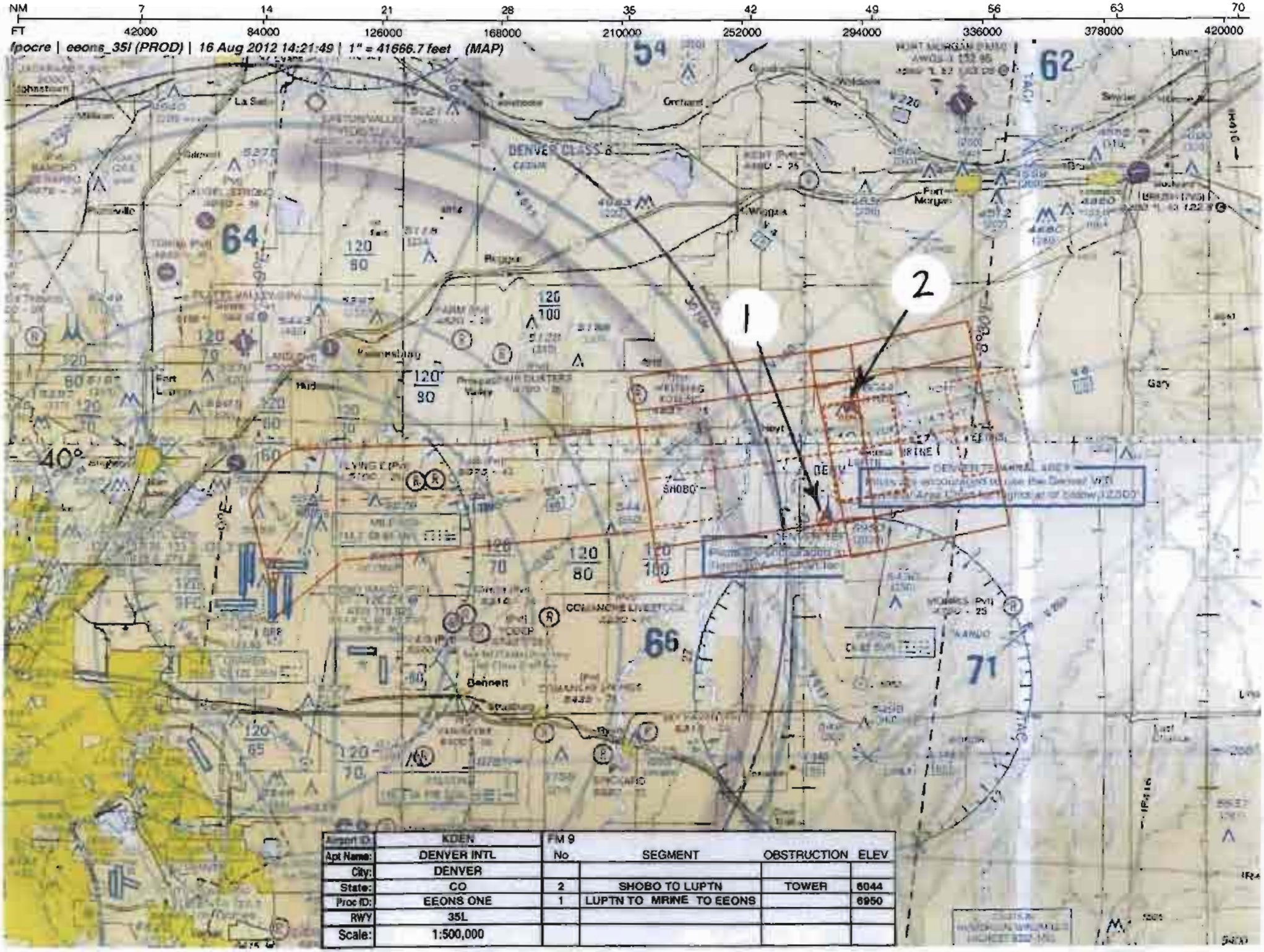
FIX #				
No.	SEGMENT		OBSTRUCTION	ELEV
2	SHOBO TO LUPTN		TOWER	6044
1	LUPTN TO MRINE TO EEONS			6950


NM 1 2 3 4 5 6 7 8 9 10 11 12 13 14
FT 8000 16000 24000 32000 40000 48000 56000 64000 72000 80000
fpocre | eeons 34l (PROD) | 15 Aug 2012 15:18:10 | 1" = 8333.3 feet (MAP)
Airport ID: KDEN
Apt Name: DENVER INTL
City: DENVER
State: CO
Proc ID: EEONS ONE
RWY 34L
Scale: 1:100,000
FM @
No
SEGMENT
ICA
OBSTRUCTION
ASC
ELEV

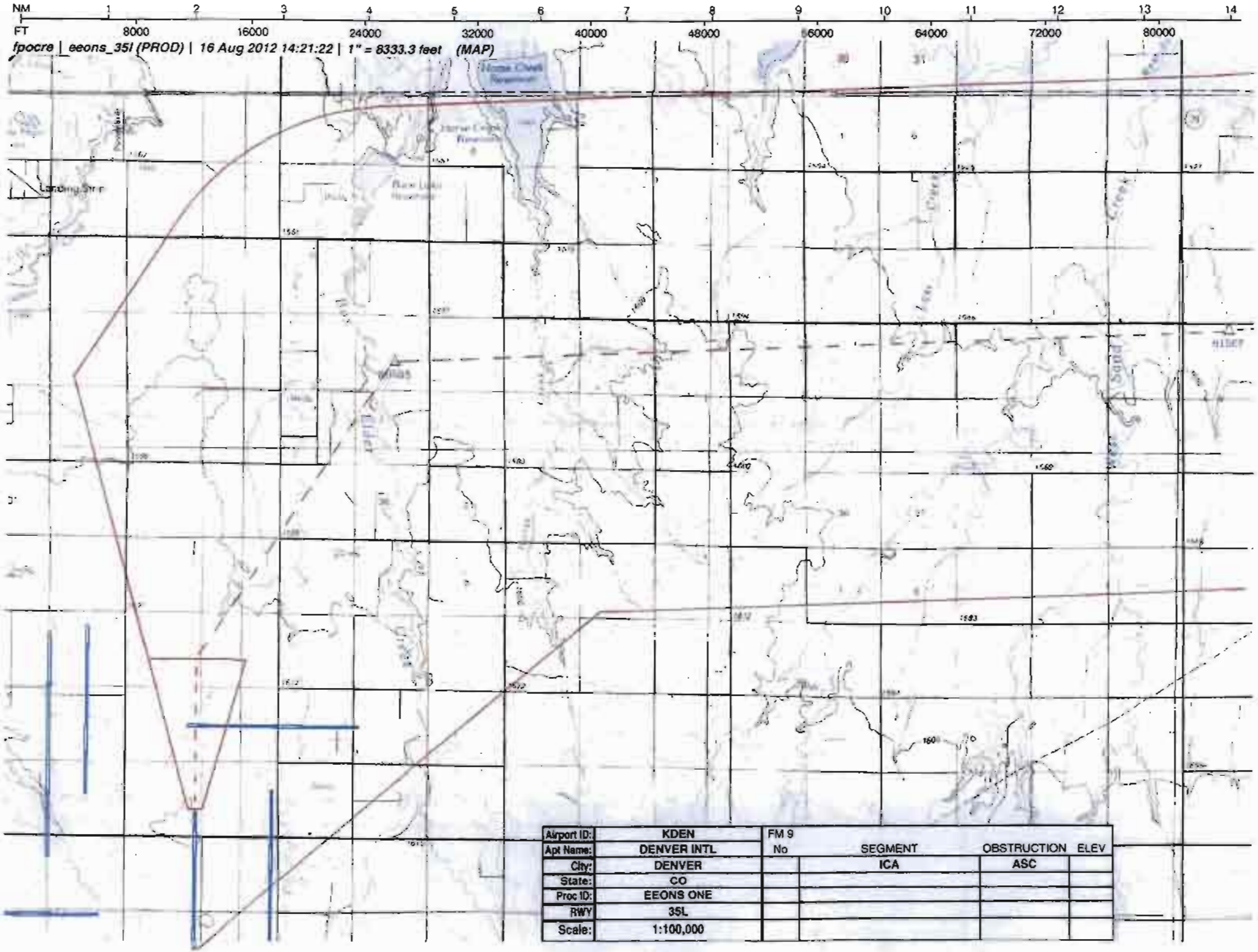


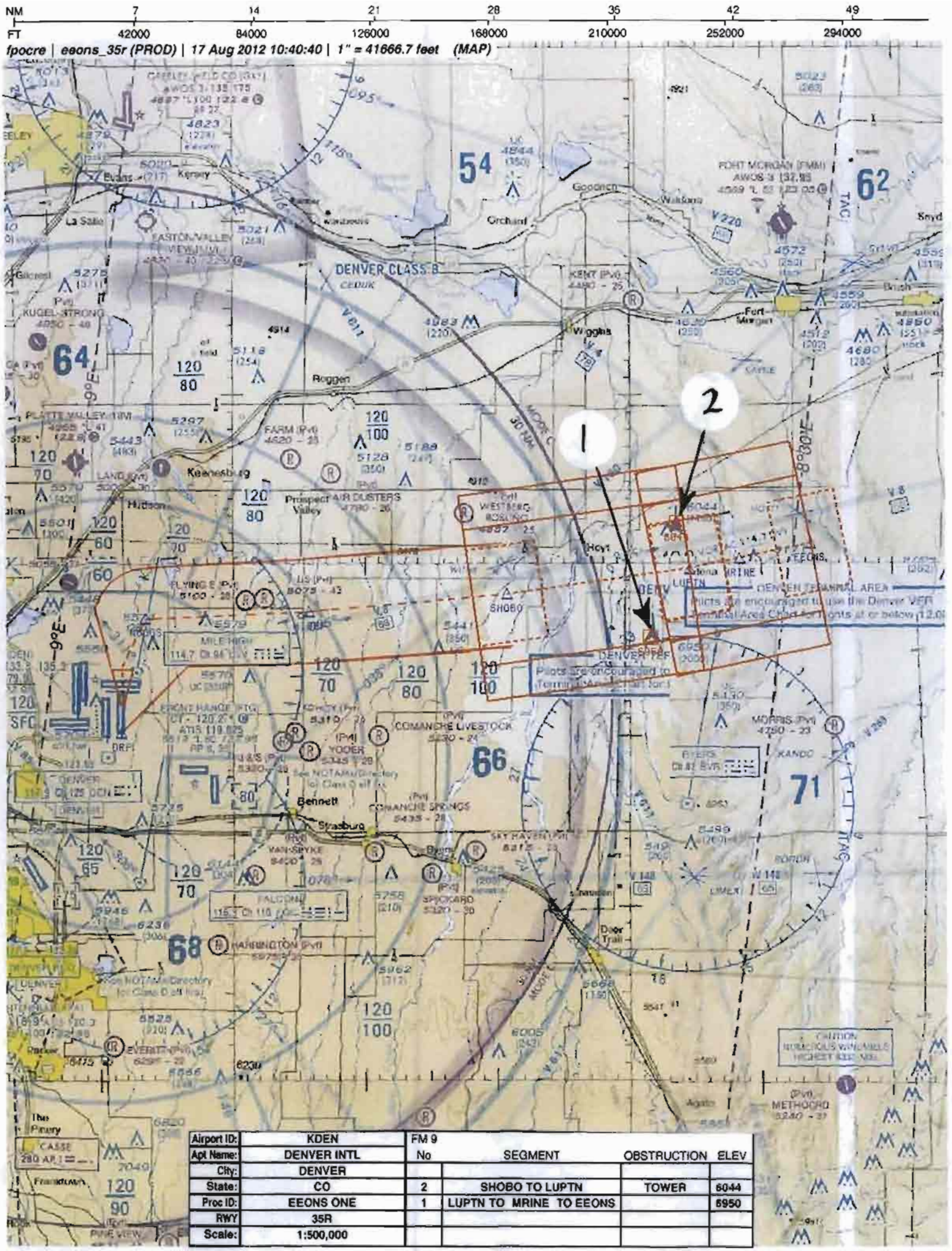
Airport ID:	KDEN	FM 9			
Apt Name:	DENVER INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	DENVER				
State:	CO	2	SHOBO TO LUPTN	TOWER	6044
Proc ID:	EEONS ONE	1	LUPTN TO MRINE TO EEONS		6950
RWY	34R				
Scale:	1:500,000				

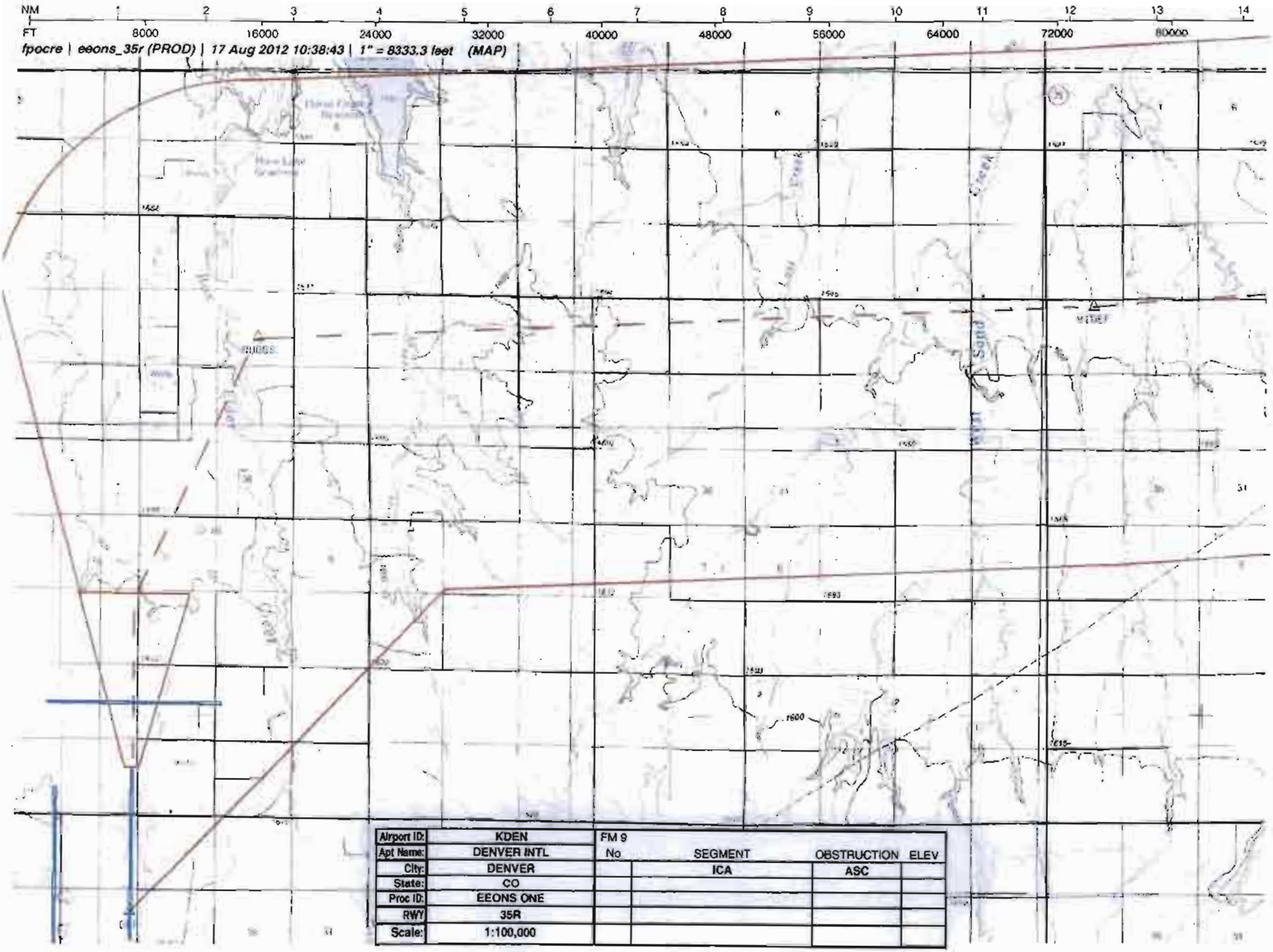

NM 1 2 3 4 5 6 7 8 9 10 11 12 13 14
FT 8000 16000 24000 32000 40000 48000 56000 64000 72000 80000
fpocre | eeons_34r (PROD) | 16 Aug 2012 10:22:38 | 1" = 8333.3 feet (MAP)
Airport ID: KDEN
Apt Name: DENVER INTL
City: DENVER
State: CO
Proc ID: EEONS ONE
RWY 34R
Scale: 1:100,000
FM 9
No
SEGMENT
ICA
OBSTRUCTION
ASC
ELEV



Airport ID:	KDEN	FM 9			
Apt Name:	DENVER INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	DENVER				
State:	CO	2	SHOBO TO LUPTN	TOWER	6044
Proc ID:	EEONS ONE	1	LUPTN TO MRINE TO EEONS		6950
RWY	35L				
Scale:	1:500,000				


NM 1 2 3 4 5 6 7 8 9 10 11 12 13 14
FT 8000 16000 24000 32000 40000 48000 56000 64000 72000 80000
fpocre | eeons_35l (PROD) | 16 Aug 2012 14:21:22 | 1" = 8333.3 feet (MAP)
Airport ID: KDEN
Apt Name: DENVER INTL
City: DENVER
State: CO
Proc ID: EEONS ONE
RWY 35L
Scale: 1:100,000
FM 9
No SEGMENT OBSTRUCTION ELEV
ICA ASC


NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpocre | eeons_35r (PROD) | 17 Aug 2012 10:40:40 | 1" = 41666.7 feet (MAP)
DENVER CLASS B
1
2
Airport ID: KDEN
Apt Name: DENVER INTL
City: DENVER
State: CO
Proc ID: EEONS ONE
RWY 35R
Scale: 1:500,000
FM 9
No SEGMENT OBSTRUCTION ELEV
2 SHOBO TO LUPTN TOWER 6044
1 LUPTN TO MRINE TO EEONS 6950



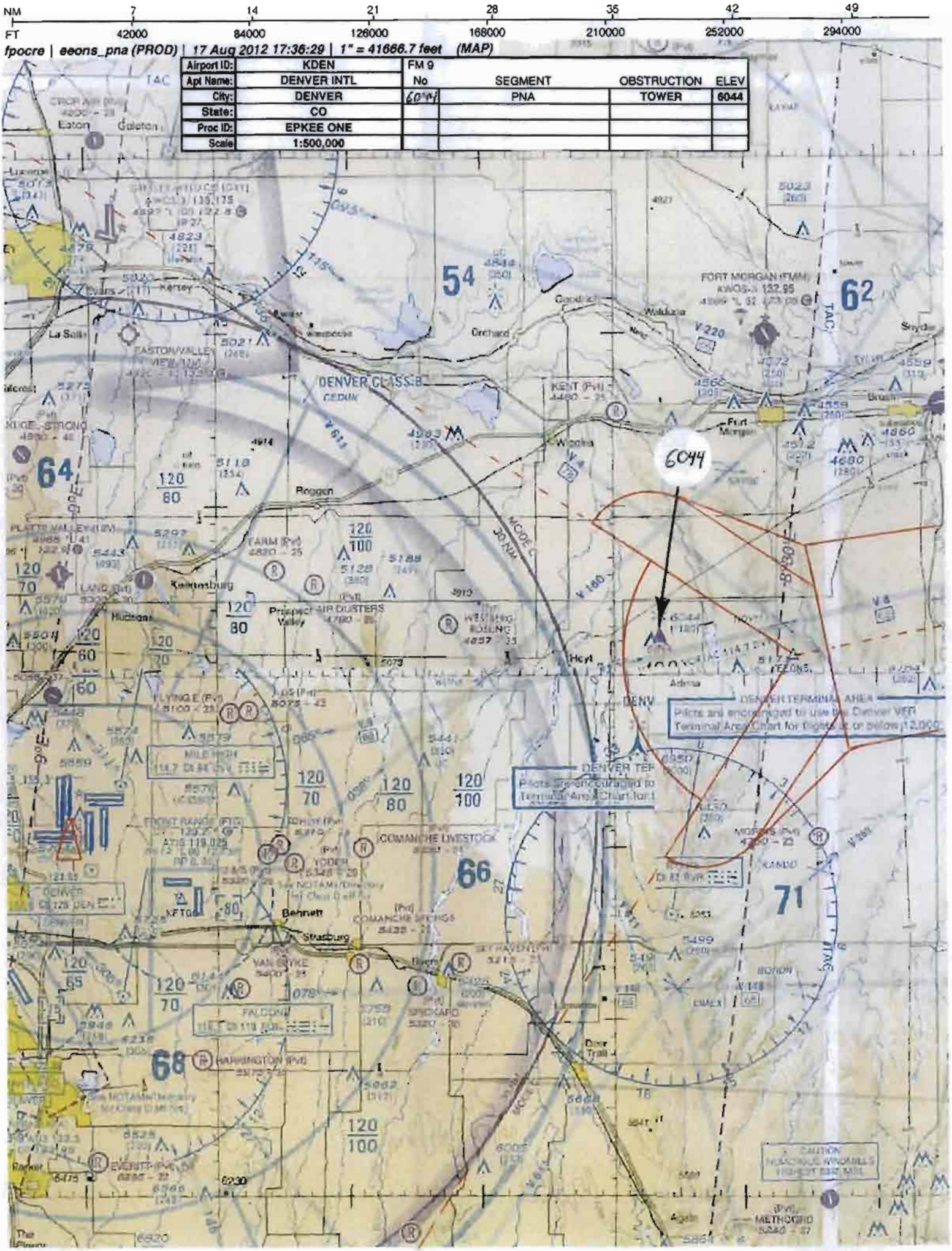
		FM 9			
Airport ID:	KDEN	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	DENVER INTL		ICA	ASC	
City:	DENVER				
State:	CO				
Proc ID:	EEONS ONE				
RWY	35R				
Scale:	1:100,000				

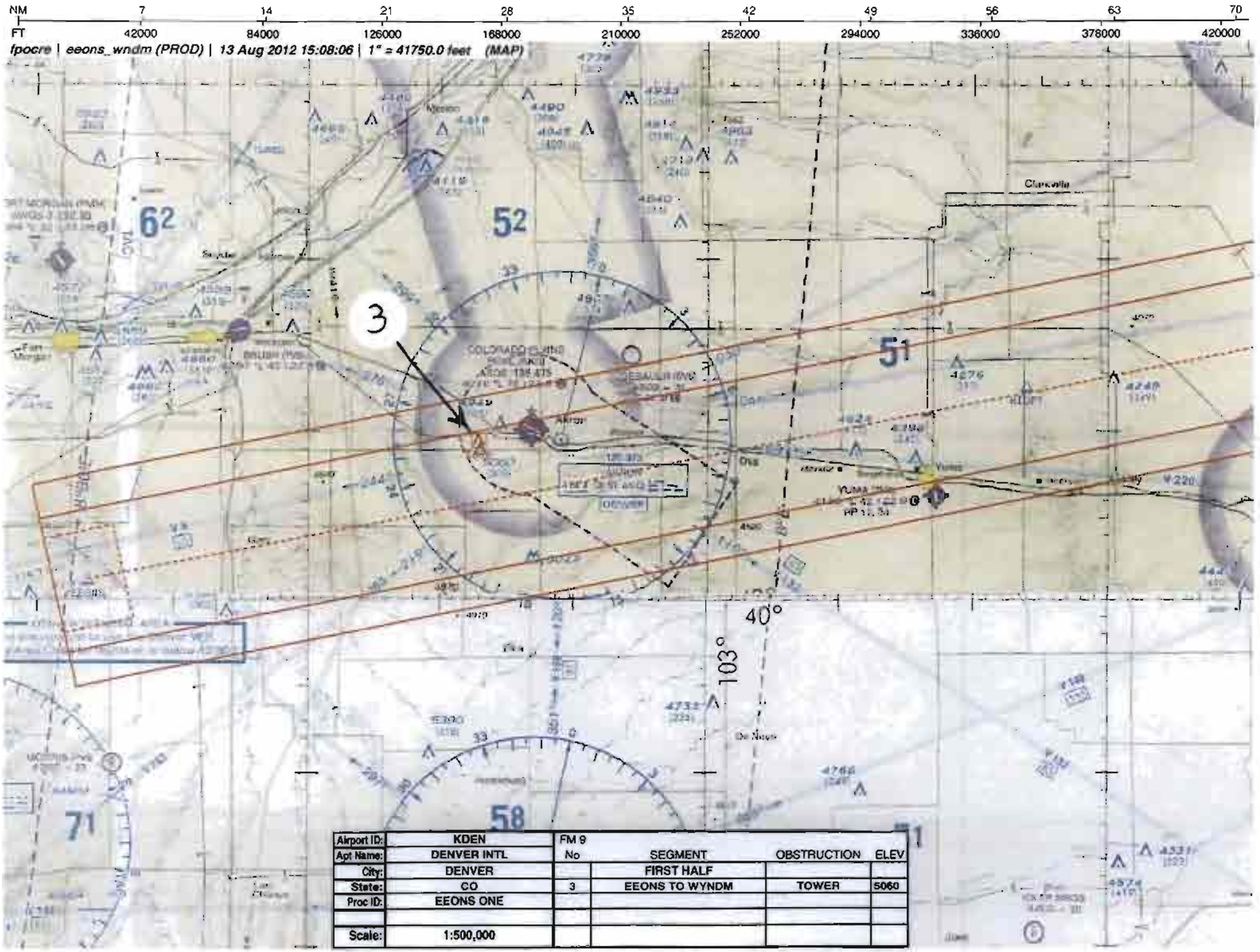
NM 7 14 21 28 35 42 49

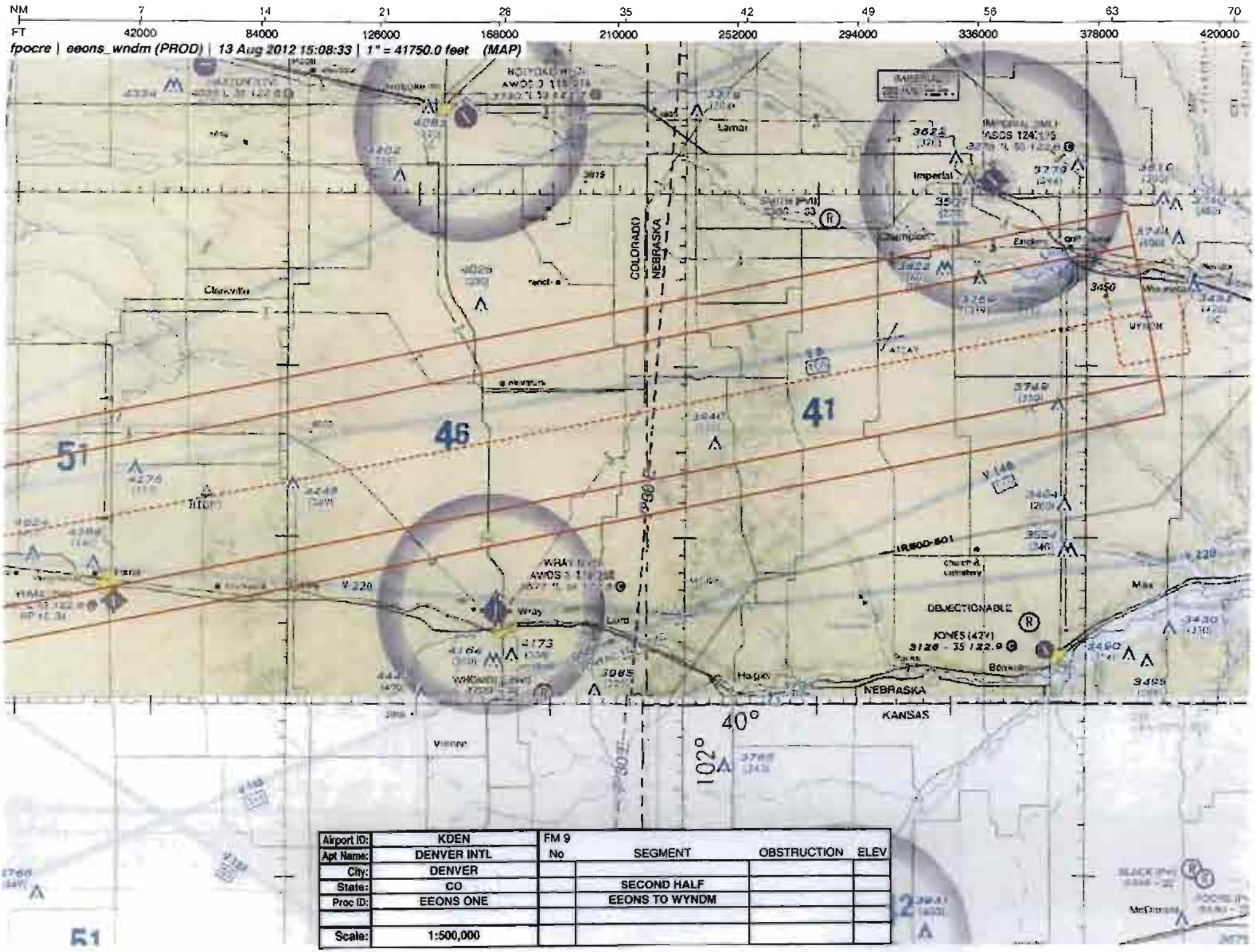
FT 42000 84000 126000 168000 210000 252000 294000

fpocre | eeons_pna (PROD) | 17 Aug 2012 17:36:29 | 1" = 41666.7 feet (MAP)

Airport ID:	KDEN	FM 9			
Apt Name:	DENVER INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	DENVER	6044	PNA	TOWER	6044
State:	CO				
Proc ID:	EPKEE ONE				
Scale	1:500,000				




NM 7 14 21 28 35 42 49 56 63 70
FT 42000 84000 126000 168000 210000 252000 294000 336000 378000 420000
fpocre | eeons_wndm (PROD) | 13 Aug 2012 15:08:06 | 1" = 41750.0 feet (MAP)
3
62
52
51
58
71
40°
103°
Clarkville
Akron
Yuma
Fort Morgan
Sedgwick
Merino
Ovid
Dewey
Airport ID: KDEN
Apt Name: DENVER INTL
City: DENVER
State: CO
Proc ID: EEONS ONE
Scale: 1:500,000
FM 9
No SEGMENT OBSTRUCTION ELEV
FIRST HALF
3 EEONS TO WYNDM TOWER 5060



Airport ID:	KDEN	FM 9 No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	DENVER INTL				
City:	DENVER				
State:	CO		SECOND HALF		
Proc ID:	EEONS ONE		EEONS TO WYNDM		
Scale:	1:500,000				

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
EEONS	ONE	EEONS1.WYNDM	NONE		

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

DENVER INTL:

TAKEOFF RWY 8, CLIMB HEADING 082.53 TO INTERCEPT COURSE 065.89 TO CROSS ROYYL AT OR BELOW 10000, THEN ON TRACK 066.06 TO CROSS SHOBO AT OR BELOW 12000, THEN ON TRACK 073.86 TO CROSS LUPTN AT OR ABOVE 14000, THENCE...

TAKEOFF RWY16L, CLIMB HEADING 172.51 TO INTERCEPT COURSE 117.93 TO CROSS GISTT AT OR ABOVE 7000, THEN ON TRACK 065.00 TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 054.41 TO KAYGG, THEN ON TRACK 055.02 TO CROSS LUPTN AT OR ABOVE 14000, THENCE...

TAKEOFF RWY 16R, CLIMB HEADING 172.51 TO INTERCEPT COURSE 117.93 TO CROSS GISTT AT OR ABOVE 7000, THEN ON TRACK 065.00 TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 054.41 TO KAYGG, THEN ON TRACK 055.02 TO CROSS LUPTN AT OR ABOVE 14000, THENCE...

TAKEOFF RWY 17L, CLIMB HEADING 172.54 TO INTERCEPT COURSE 127.46 TO CROSS GISTT AT OR ABOVE 7000, THEN ON TRACK 065.00 TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 054.41 TO KAYGG, THEN ON TRACK 055.02 TO CROSS LUPTN AT OR ABOVE 14000, THENCE...

TAKEOFF RWY 17R, CLIMB HEADING 172.53 TO INTERCEPT COURSE 117.95 TO CROSS GISTT AT OR ABOVE 7000, THEN ON TRACK 065.00 TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 054.41 TO KAYGG, THEN ON TRACK 055.02 TO CROSS LUPTN AT OR ABOVE 14000, THENCE...

TAKEOFF RWY 25, CLIMB HEADING 262.51 TO 5934, THEN CONTINUE CLIMB HEADING 262.51 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO EEONS, THENCE...

TAKEOFF RWY 34L, CLIMB HEADING 352.51 AT OR BELOW 210 KIAS TO 5934, THEN CLIMBING RIGHT TURN DIRECT NUGGS, THEN ON TRACK 079.80 TO CROSS HIDEF AT OR BELOW 10000, THEN ON TRACK 076.71 TO CROSS SHOBO AT OR BELOW 12000, THEN ON TRACK 073.86 TO CROSS LUPTN AT OR ABOVE 14000, THENCE...

TAKEOFF RWY 34R, CLIMB HEADING 352.51 AT OR BELOW 210 KIAS TO 5934, THEN CLIMBING RIGHT TURN DIRECT NUGGS, THEN ON TRACK 079.80 TO CROSS HIDEF AT OR BELOW 10000, THEN ON TRACK 076.71 TO CROSS SHOBO AT OR BELOW 12000, THEN ON TRACK 073.86 TO CROSS LUPTN AT OR ABOVE 14000, THENCE...

TAKEOFF RWY 35L, CLIMB HEADING 352.53 TO INTERCEPT COURSE 024.97 TO NUGGS, THEN ON TRACK 079.80 TO CROSS HIDEF AT OR BELOW 10000, THEN ON TRACK 076.71 TO CROSS SHOBO AT OR BELOW 12000, THEN ON TRACK 073.86 TO CROSS LUPTN AT OR ABOVE 14000, THENCE...

TAKEOFF RWY 35R, CLIMB HEADING 352.54 TO INTERCEPT COURSE 16.98 TO NUGGS, THEN ON TRACK 079.80 TO CROSS HIDEF AT OR BELOW 10000, THEN ON TRACK 076.71 TO CROSS SHOBO AT OR BELOW 12000, THEN ON TRACK 073.86 TO CROSS LUPTN AT OR ABOVE 14000, THENCE...

...ON DEPICTED ROUTE TO WYNDM. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

CENTENNIAL:

TAKEOFF RWY 17L /17R, CLIMB HEADING 169.95 TO 6400, THEN CONTINUE CLIMB HEADING 169.95 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 35L /35R, CLIMB HEADING 349.95, TO 6400 THEN CONTINUE CLIMB HEADING 349.95 OR AS ASSIGNED BY ATC, THENCE...

...EXPECT RADAR VECTORS TO EEONS, THEN ON DEPICTED ROUTE TO WYNDM. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

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
EEONS	ONE	EEONS1.WYNDM	NONE		

ROCKY MOUNTAIN METROPOLITAN:
TAKEOFF RWY 11L, 11R: CLIMB HEADING BETWEEN 150 CCW 350 AS ASSIGNED BY ATC. THENCE...
TAKEOFF RWY 29L, 29R, CLIMBING RIGHT TURN HEADING BETWEEN 350 CW 113 AS ASSIGNED BY ATC. THENCE...

...EXPECT RADAR VECTORS TO EEONS, THEN ON DEPICTED ROUTE TO WYNDM. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

FORT COLLINS-LOVELAND MUNI:
TAKEOFF RWY 15, CLIMB HEADING BETWEEN 180 CCW 350 AS ASSIGNED BY ATC. THENCE...
TAKEOFF RWY 33, CLIMBING RIGHT TURN HEADING BETWEEN 350 CW 150 AS ASSIGNED BY ATC. THENCE...

...EXPECT RADAR VECTORS TO EEONS, THEN ON DEPICTED ROUTE TO WYNDM. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

FRONT RANGE:
TAKEOFF RWY 8, CLIMB HEADING 083.15 TO 6020, THEN CONTINUE CLIMB HEADING 083.15 OR AS ASSIGNED BY ATC, THENCE...
TAKEOFF RWY 17, CLIMB HEADING 171.99 TO 6020, THEN CONTINUE CLIMB HEADING 171.99 OR AS ASSIGNED BY ATC, THENCE...
TAKEOFF RWY 26, CLIMB HEADING 263.17 TO 6020, THEN CONTINUE CLIMB HEADING 263.17 OR AS ASSIGNED BY ATC, THENCE...
TAKEOFF RWY 35, CLIMB HEADING 351.99 TO 6020, THEN CONTINUE CLIMB HEADING 351.99 OR AS ASSIGNED BY ATC, THENCE...

...EXPECT RADAR VECTORS TO EEONS, THEN ON DEPICTED ROUTE TO WYNDM. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 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

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: DME/DME/IRU OR GPS REQUIRED.
NOTE: RNAV 1.
NOTE: TURBOJETS ONLY.
NOTE: DENVER INTL AIRPORT – TAKEOFF RWY 8, 16L, 16R, 17L, 17R, 34L, 34R, 35L, 35R – RADAR REQUIRED FOR NON GPS EQUIPPED AIRCRAFT.
NOTE: DENVER INTL AIRPORT - RWY 25 DEPARTURES – RADAR REQUIRED.
NOTE: ROCKY MOUNTAIN METROPOLITAN AIRPORT, FORT COLLINS-LOVELAND MUNICIPAL AIRPORT, FRONT RANGE AIRPORT AND CENTENNIAL AIRPORT - RADAR REQUIRED.
NOTE: ACCELERATE TO AT OR ABOVE 250 KNOTS ABOVE 10000. IF SLOWER SPEED IS REQUIRED TO MEET CROSSING RESTRICTIONS, ADVISE ATC PRIOR TO DEPARTURE.

TAKEOFF MINIMUMS:
DENVER INTL:
RWY 7, 26: NA - ATC
RWY 8: STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 260 FT PER NM TO 14000.

QUALITY CHECKED

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
EEONS	ONE	EEONS1.WYNDM	NONE		

RWY 16L: STANDARD WITH MINIMUM CLIMB OF 245 FT PER NM TO 14000.
RWY16R: STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 245 FT PER NM TO 14000.
RWY 17L: STANDARD WITH MINIMUM CLIMB OF 465 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 280 FT PER NM TO 14000.
RWY17R: STANDARD WITH MINIMUM CLIMB OF 465 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 250 FT PER NM TO 14000.
RWY 25: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934.
RWY 34L: 34R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 230 FT PER NM TO 14000.
RWY35L: STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 8400.
RWY35R: STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 230 FT PER NM TO 14000.
CENTENNIAL:
RWY 10, 28: NA – ATC
RWY 35L,35R: STANDARD
RWY 17L: STANDARD WITH MINIMUM CLIMB OF 255 FT PER NM TO 8000.
RWY 17R: STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 8000.
ROCKY MOUNTAIN METROPOLITAN:
RWY 2, 20: NA – ATC
RWY 11R, 11L, 29R, STANDARD.
RWY 29L, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 405 FT PER NM TO 5900.
FORT COLLINS-LOVELAND MUNI:
RWY 6, 24, NA – VFR RUNWAY.
RWY 15, 33, STANDARD.
FRONT RANGE:
RWY 8, 17, 26, 35, STANDARD.

TAKEOFF OBSTACLES NOTES:

DENVER INTL:
NOTE: RWY 16L, MULTIPLE SIGNS BEGINNING 126 FT FROM DER, 490 FT LEFT OF CENTERLINE, UP TO 7 FT AGL/5359 FT MSL. COMMUNICATION TWR 4749 FT FROM DER, 1358 FT LEFT OF CENTERLINE, 107 FT AGL/5478 FT MSL.
NOTE: RWY 25, SIGN 48 FT FROM DER, 450 FT RIGHT OF CENTERLINE, 6 FT AGL/5354 FT MSL.
ROCKY MOUNTAIN METROPOLITAN:
NOTE: RWY 29L: TERRAIN BEGINNING 23 FT FROM DER, 28 FT LEFT OF CENTERLINE, UP TO 5708 FT MSL. FENCE 982 FT FROM DER, 303 FT LEFT OF CENTERLINE, 14 FT AGL/5714 FT MSL. FENCE 1015 FT FROM DER, 392 FT LEFT OF CENTERLINE, 15 FT AGL/5725 FT MSL. MULTIPLE TREES BEGINNING 687 FT FROM DER, 615 FT RIGHT OF CENTERLINE UP TO 70 FT AGL/5839 FT MSL. TREE 3196 FT FROM DER, 1337 FT LEFT OF CENTERLINE, 70 FT AGL/5839 FT MSL.
CENTENNIAL:
NOTE: RWY 17L, TREES BEGINNING 2968 FT FROM DER, 761 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/5976 FT MSL.
NOTE: RWY 17R, TERRAIN 181 FT FROM DER, 496 FT RIGHT OF CENTERLINE, 5887 FT MSL. FENCE 538 FT FROM DER, 196 FT RIGHT OF CENTERLINE, 8 FT AGL/5886 FT MSL. TREES BEGINNING 562 FT FROM DER, 61 FT RIGHT OF CENTERLINE, UP TO 16 FT AGL/5976 FT MSL. MULTIPLE LIGHT POLES BEGINNING 2362 FT FROM DER, 256 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/5942 FT MSL. OBSTRUCTION LIGHT ON BUILDING 3282 FT FROM DER, 842 FT RIGHT OF CENTERLINE, 90 FT AGL/6021 FT MSL.
FORT COLLINS-LOVELAND MUNI:
NOTE: RWY 33, TREES BEGINNING 833 FT FROM DER, 516 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/5025 FT MSL. MULTIPLE POLES BEGINNING 567 FT FROM DER, 540 FT LEFT OF CENTERLINE, UP TO 26 FT AGL/4995 FT MSL.
FRONT RANGE:
NOTE: RWY 17, POLE 3618 FT FROM DER, 516 FT LEFT OF CENTERLINE, 43 FT AGL/5603 FT MSL.
NOTE: RWY 26, TREES BEGINNING 98 FT FROM DER, 456 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/5489 FT MSL.

CONTROLLING OBSTACLES:

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS	ONE	EEONS1.WYNDM	NONE		

CENTENNIAL:
RWY 17L: 6559 FT MSL AAO 392953.93N/1045044.26.
RWY 17R: 6021 FT MSL OBS LT ON BLDG 393302.52N/1045119.43W, 6559 FT MSL AAO 392953.93N/1045044.26W.
ROCKY MOUNTAIN METROPOLITAN:
RWY 29L: 5839 FT MSL TREE 395457.98N/1050837.12W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KDEN 8E EPOCH YR: 2015
DME/DME ASSESSMENT:SAT (RNP 2.0)
PILOT NAVIGATION AREA:
10 NM ARC CENTERED ON EEONS (IF), CW FROM: POINT A (BEARING 024.88 DEGREES TO EEONS): TO: POINT B (BEARING 114.88 DEGREES TO EEONS) :
MINIMUM ALTITUDE - 14000

AIRPORTS SERVED:

DENVER INTL	DENVER , CO
ROCKY MOUNTAIN METROPOLITAN	DENVER, CO
CENTENNIAL	DENVER, CO
FRONT RANGE	DENVER, CO
FORT COLLINS-LOVELAND MUNI	FORT COLLINS/LOVELAND, CO

COMMUNICATIONS:

DENVER INTL:
ATIS, CLEARANCE DELIVERY, DEP CON
CENTENNIAL AIRPORT:
ATIS, CLEARANCE DELIVERY, DEP CON
ROCKY MOUNTAIN METROPOLITAN:
ATIS, CLEARANCE DELIVERY, DEP CON
FORT COLLINS-LOVELAND MUNICIPAL:
DEP CON
FRONT RANGE :
ATIS, CLEARANCE DELIVERY, DEP CON

FIXES AND/OR NAVAIDS:

QUALITY CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS	ONE	EEONS1.WYNDM	NONE		

REMARKS:

CLIMB GRADIENTS AT CENTENNIAL OFF RWY 17L/R ARE OBSTACLE DRIVEN WITH THE CLIMB TO ALTITUDE DETERMINED BY LOCATION OF 8000 MVA AND PROXIMITY TO HIGHER MVA'S.

DENVER INTL CLIMB GRADIENTS ARE FOR FMS ENGAGEMENT AT SPECIFIC LOCATIONS AND FOR WP CROSSING RESTRICTIONS.

THE AIRLINE INDUSTRY HAS REQUESTED THAT BLOCK ALTITUDES NOT BE PUBLISHED ON THE PROCEDURE, WAIVER SUBMITTED TO REMOVE AT/ABOVE ALTITUDES ASSOCIATED WITH CROSS AT OR BELOW ALTITUDES.

FLIGHT INSPECTED BY:

JAMES M. MEEK	FIFO	10/26/12

REQUIRED EFFECTIVE DATE:

DEVELOPED BY:

CHARLES ERICKSON	AJV-354	07/09/12

APPROVED BY:

DEZ SILAGYI	AJV-354

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZDV, DEN ATCT, DEN APP CON, CO AERO MGR, APT MGR'S

CHANGES:

REASONS:

10/31/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/09/12.
1. ON THE 8260-15C, REMOVED WYNDM FROM ALL RWY TRANSITIONS AND ADDED A COMMON ROUTE EEONS TO WYNDM TO SUPPORT AIRLINE INDUSTRY REQUEST.
THERE IS NO CHANGE TO THE ROUTE - THIS IS INTENDED TO BE A CODING CHANGE ONLY.
2. REMOVED GND CON AND TWR FROM COMMUNICATIONS ON EACH AIRPORT PER ATC REQUEST.
3. CORRECTED SPELLING IN COMMUNICATIONS FROM: MINICIPAL TO: MUNICIPAL.

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS	ONE	EEONS1.WYNDM	NONE		

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
DENVER INTL (KDEN)									
RW08 (AER)	395239.20N/1043944.03W	N	-	-	-	-			CG 420 FT PER NM TO 5934 THEN CG 260 FT PER NM TO 14000 RECOMMENDED NAVAID: DENVER VOR/DME. VI/CF PERMITTED
	395237.21N/1043510.27W	-	-	VI	090.53	3.51			
ROYYL	395503.47N/1042410.37W	Y	FB	CF	073.89	8.81	AT/BELOW 10000		
SHOBO	395819.97N/1040911.53W	Y	FB	TF	074.06	11.98	AT/BELOW 12000		
LUPTN	395950.43N/1035521.77W	Y	FB	TF	081.86	10.74	AT/ABOVE 14000		
MRINE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00	AT/BELOW FL230		
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
RW16L (AER)	395349.33N/1044112.50W	N	-	-	-	-			CG 245 FT PER NM TO 14000 RECOMMENDED NAVAID: DENVER VOR/DME. VI/CF PERMITTED
	395011.86N/1044115.02W	-	-	VI	180.51	3.62			
GISTT	394557.50N/1043501.10W	Y	FB	CF	125.93	5.94	AT/ABOVE 7000		
KIDNG	394837.67N/1042339.58W	Y	FB	TF	073.00	9.15	AT/BELOW 10000		
KAYGG	395436.80N/1040844.77W	Y	FB	TF	062.41	12.95			
LUPTN	395950.43N/1035521.77W	Y	FB	TF	063.02	11.54	AT/ABOVE 14000		
MRINE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00	AT/BELOW FL230		
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
RW16R (AER)	395344.87N/1044145.90W	N	-	-	-	-			CG 450 FT PER NM TO 5934 THEN CG 245 FT PER NM TO 14000 RECOMMENDED NAVAID: DENVER VOR/DME. VI/CF PERMITTED
	394945.61N/1044148.66W	-	-	VI	180.51	3.98			
GISTT	394557.50N/1043501.10W	Y	FB	CF	125.93	6.47	AT/ABOVE 7000		
KIDNG	394837.67N/1042339.58W	Y	FB	TF	073.00	9.15	AT/BELOW 10000		
KAYGG	395436.80N/1040844.77W	Y	FB	TF	062.41	12.95			
LUPTN	395950.43N/1035521.77W	Y	FB	TF	063.02	11.54	AT/ABOVE 14000		
MRINE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00	AT/BELOW FL230		
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS	ONE	EEONS1.WYNDM	NONE		

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW17L (AER)	395153.83N/1043828.70W	N	-	-	-	-			CG 465 FT PER NM TO 5934 THEN CG 280 FT PER NM TO 14000
	394842.21N/1043831.05W	-	-	VI	180.54	3.19			RECOMMENDED NAVAID: DENVER VOR/DME. VI/CF PERMITTED
GISTT	394557.50N/1043501.10W	Y	FB	CF	135.46	3.85	AT/ABOVE 7000		
KIDNG	394837.67N/1042339.58W	Y	FB	TF	073.00	9.15	AT/BELOW 10000		
KAYGG	395436.80N/1040844.77W	Y	FB	TF	062.41	12.95			
LUPTN	395950.43N/1035521.77W	Y	FB	TF	063.02	11.54	AT/ABOVE 14000		
MRINE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00	AT/BELOW FL230		
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
RW17R (AER)	395140.48N/1043936.56W	N	-	-	-	-			CG 465 FT PER NM TO 5934 THEN CG 250 FT PER NM TO 14000
	394833.02N/1043938.81W	-	-	VI	180.53	3.12			RECOMMENDED NAVAID: DENVER VOR/DME. VI/CF PERMITTED
GISTT	394557.50N/1043501.10W	Y	FB	CF	125.95	4.41	AT/ABOVE 7000		
KIDNG	394837.67N/1042339.58W	Y	FB	TF	073.00	9.15	AT/BELOW 10000		
KAYGG	395436.80N/1040844.77W	Y	FB	TF	062.41	12.95			
LUPTN	395950.43N/1035521.77	Y	FB	TF	063.02	11.54	AT/ABOVE 14000		
MRINE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00	AT/BELOW FL230		
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
RW25 (AER)	395026.37N/1044102.17W	N	-	-	-	-			CG 400 FT PER NM TO 5934
5934 MSL		-	-	VA	270.51	-			
		-	-	VM	270.51	-			
EEONS	400117.62N/1034611.04W	Y	FB	DF	-	-			
RW34L (AER)	395106.79N/1044147.72W	N	-	-	-	-			CG 500 FT PER NM TO 5934 THEN 230 FT PER NM TO 14000
5934 MSL		-	-	VA	000.51	-		AT/BELOW 210	
NUGGS	395655.57N-1043638.33W	Y	FB	DF	-	-			
HIDEF	395717.16N/1042405.90W	Y	FB	TF	087.80	9.65	AT/BELOW 10000		
SHOBO	395819.97N/1040911.53W	Y	FB	TF	084.71	11.51	AT/BELOW 12000		
LUPTN	395950.43N/1035521.77W	Y	FB	TF	081.86	10.74	AT/ABOVE 14000		
MRINE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00	AT/BELOW FL230		
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS	ONE	EEONS1.WYNDM	NONE		

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW34R (AER)	395150.77N/1044113.88W	N	-	-	-	-			CG 500 FT PER NM TO 5934 THEN 230 FT PER NM TO 14000
5934 MSL		-	-	VA	000.51	-		AT/BELOW 210	
NUGGS	395655.57N-1043638.33W	Y	FB	DF	-	-			
HIDEF	395717.16N/1042405.90W	Y	FB	TF	087.80	9.65	AT/BELOW 10000		
SHOBO	395819.97N/1040911.53W	Y	FB	TF	084.71	11.51	AT/BELOW 12000		
LUPTN	395950.43N/1035521.77W	Y	FB	TF	081.86	10.74	AT/ABOVE 14000		
MRINE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00	AT/BELOW FL230		
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
RW35L (AER)	394941.93N/1043937.98W	N	-	-	-	-			CG 320 FT PER NM TO 8400
	395325.62N/1043935.30W	-	-	VI	000.53	3.73			
NUGGS	395655.57N-1043638.33W	Y	FB	CF	032.97	4.17			
HIDEF	395717.16N/1042405.90W	Y	FB	TF	087.80	9.65	AT/BELOW 10000		
SHOBO	395819.97N/1040911.53W	Y	FB	TF	084.71	11.51	AT/BELOW 12000		
LUPTN	395950.43N/1035521.77W	Y	FB	TF	081.86	10.74	AT/ABOVE 14000		
MRINE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00	AT/BELOW FL230		
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
RW35R (AER)	394955.27N/1043830.16W	N	-	-	-	-			CG 300 FT PER NM TO 5934 THEN 230 FT PER NM TO 14000
	395355.72N/1043827.21W	-	-	VI	000.54	4.00			
NUGGS	395655.57N/1043638.33W	Y	FB	CF	024.98	3.30			
HIDEF	395717.16N/1042405.90W	Y	FB	TF	087.80	9.65	AT/BELOW 10000		
SHOBO	395819.97N/1040911.53W	Y	FB	TF	084.71	11.51	AT/BELOW 12000		
LUPTN	395950.43N/1035521.77W	Y	FB	TF	081.86	10.74	AT/ABOVE 14000		
MRINE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00	AT/BELOW FL230		
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
EEONS	400117.62N/1034611.04W	Y	-	IF	-	-			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS	ONE	EEONS1.WYNDM	NONE		

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
CENTENNIAL (KAPA)									
RW17L (AER)	393502.92N/1045105.30W	N	-	-	-	-			CG 255 FT PER NM TO 8000
6400 MSL		-	-	VA	177.95	-			
		-	-	VM	177.95	-			
EEONS	400117.62N/1034611.04W	Y	FB	DF	-	-			
RW17R (AER)	393444.34N/1045113.38W	N	-	-	-	-			CG 370 FT PER NM TO 8000
6400 MSL		-	-	VA	177.95	-			
		-	-	VM	177.95	-			
EEONS	400117.62N/1034611.04W	Y	FB	DF	-	-			
RW35L (AER)	393335.23N/1045110.19W	N	-	-	-	-			
6400 MSL		-	-	VA	357.95	-			
		-	-	VM	357.95	-			
EEONS	400117.62N/1034611.04W	Y	FB	DF	-	-			
RW35R (AER)	393324.18N/1045100.74W	N	-	-	-	-			
6400 MSL		-	-	VA	357.95	-			
		-	-	VM	357.95	-			
EEONS	400117.62N/1034611.04W	Y	FB	DF	-	-			
EEONS	400117.62N/1034611.04W	Y	-	IF	-	-			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			
ROCKY MOUNTAIN METROPOLITAN (KBJC)									
EEONS	400117.62N/1034611.04W	Y	-	IF	-	-			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS	ONE	EEONS1.WYNDM	NONE		

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
FORT COLLINS-LOVLAND MUNI (KFNL)									
EEONS	400117.62N/1034611.04W	Y	-	IF	-	-			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			
FRONT RANGE (KFTG)									
RW08 (AER)	394738.42N/1043354.87	N	-	-	-	-			
6020 MSL		-	-	VA	091.15	-			
		-	-	VM	091.15	-			
EEONS	400117.62N/1034611.04W	Y	FB	DF	-	-			
RW17 (AER)	394708.15N/1043127.24W	N	-	-	-	-			
6020 MSL		-	-	VA	179.99	-			
		-	-	VM	179.99	-			
EEONS	400117.62N/1034611.04W	Y	FB	DF	-	-			
RW26 (AER)	394736.82N/1043212.43W	N	-	-	-	-			
6020 MSL		-	-	VA	271.17	-			
		-	-	VM	271.17	-			
EEONS	400117.62N/1034611.04W	Y	FB	DF	-	-			
RW35 (AER)	394549.10N/1043127.22	N	-	-	-	-			
6020 MSL		-	-	VA	359.99	-			
		-	-	VM	359.99	-			
EEONS	400117.62N/1034611.04W	Y	FB	DF	-	-			
EEONS	400117.62N/1034611.04W	Y	-	IF	-	-			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

ARINC PACKET - 424-18 - SID

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   EEONS K20    R     N40011762W103461104                    E0081     NAR           EEONS
         SUSAEAENRT   WYNDM K20    W     N40225960W101252620                    E0068     NAR           WYNDM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KFNLK2AFNL     0     085YHN40270658W105004081E009005016         1800018000C    MNAR    FORT COLLINS-LOVELAND MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KFNLK2DEEONS14RW15  010EEONSK2EA0E       IF                                          18000
         SUSAP KFNLK2DEEONS14RW15  020WYNDMK2EA0EE   010TF                    06991100
         SUSAP KFNLK2DEEONS14RW33  010EEONSK2EA0E       IF                                          18000
         SUSAP KFNLK2DEEONS14RW33  020WYNDMK2EA0EE   010TF                    06991100

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KFNLK2GRW15    0085001514 N40274421W105010270+0500    +1500004973000050100R
         SUSAP KFNLK2GRW33    0085003314 N40262508W105002589-0500    +1512905016000051100IIFNL1
```

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW15	EEONS	010		IF		FB					
	RW15	WYNDM	020		TF		FB	1.0	069.9()	110.0		
	RW33	EEONS	010		IF		FB					
	RW33	WYNDM	020		TF		FB	1.0	069.9()	110.0		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EEONS	N400117.62	W1034611.04	N4001.294	W10346.184
	WYNDM	N402259.60	W1012526.20	N4022.993	W10125.437
	RW15	N402744.21	W1050102.70	N4027.737	W10501.045
	RW33	N402625.08	W1050025.89	N4026.418	W10500.432

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	04973	50
	RW33	05016	51

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DEN    K2011790VDHW N39484505W104393866    N39484505W104393866E0080054522     NARDENVER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EEONS K20    R     N40011762W103461104                    E0081     NAR          EEONS
        SUSAEAENRT   GISTT K20    W     N39455750W104350110                    E0085     NAR          GISTT
        SUSAEAENRT   HIDEF K20    W     N39571716W104240590                    E0084     NAR          HIDEF
        SUSAEAENRT   KAYGG K20    W     N39543680W104084477                    E0083     NAR          KAYGG
        SUSAEAENRT   KIDNG K20    W     N39483767W104233958                    E0084     NAR          KIDNG
        SUSAEAENRT   LUPTN K20    W     N39595043W103552177                    E0082     NAR          LUPTN
        SUSAEAENRT   MRINE K20    W     N40002683W103513237                    E0082     NAR          MRINE
        SUSAEAENRT   NUGGS K20    W     N39565557W104363833                    E0086     NAR          NUGGS
        SUSAEAENRT   ROYYL K20    W     N39550347W104241037                    E0084     NAR          ROYYL
        SUSAEAENRT   SHOBO K20    W     N39581997W104091153                    E0083     NAR          SHOBO
        SUSAEAENRT   WYNDM K20    W     N40225960W101252620                    E0068     NAR          WYNDM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDENK2ADEN     0     160YHN39514200W104402340E008005434         1800018000C    MNAR    DENVER INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDENK2DEEONS14RW08  010         0        VI                    0825                              18000
        SUSAP KDENK2DEEONS14RW08  020ROYYLK2EA0E    010CF DEN K2      0540013506590088D   - 10000
        SUSAP KDENK2DEEONS14RW08  030SHOBOK2EA0E    010TF                   06610120    - 12000
        SUSAP KDENK2DEEONS14RW08  040LUPTNK2EA0E    010TF                   07390107    + 14000
        SUSAP KDENK2DEEONS14RW08  050MRINEK2EA0E    010TF                   07030030    - FL230
        SUSAP KDENK2DEEONS14RW08  060EEONSK2EA0EE   010TF                   07040042
        SUSAP KDENK2DEEONS14RW16L 010         0        VI                    1725                              18000
        SUSAP KDENK2DEEONS14RW16L 020GISTTK2EA0E    010CF DEN K2      1200004511790059D   + 07000
        SUSAP KDENK2DEEONS14RW16L 030KIDNGK2EA0E    010TF                   06500092    - 10000
        SUSAP KDENK2DEEONS14RW16L 040KAYGGK2EA0E    010TF                   05440130
        SUSAP KDENK2DEEONS14RW16L 050LUPTNK2EA0E    010TF                   05500115    + 14000
        SUSAP KDENK2DEEONS14RW16L 060MRINEK2EA0E    010TF                   07030030    - FL230
        SUSAP KDENK2DEEONS14RW16L 070EEONSK2EA0EE   010TF                   07040042
        SUSAP KDENK2DEEONS14RW16R 010         0        VI                    1725                              18000
        SUSAP KDENK2DEEONS14RW16R 020GISTTK2EA0E    010CF DEN K2      1200004511790065D   + 07000
        SUSAP KDENK2DEEONS14RW16R 030KIDNGK2EA0E    010TF                   06500092    - 10000
```

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

```
SUSAP KDENK2DEEONS14RW16R 040KAYGGK2EA0E    010TF                    05440130
SUSAP KDENK2DEEONS14RW16R 050LUPTNK2EA0E    010TF                    05500115    + 14000
SUSAP KDENK2DEEONS14RW16R 060MRINEK2EA0E    010TF                    07030030    - FL230
SUSAP KDENK2DEEONS14RW16R 070EEONSK2EA0EE   010TF                    07040042
SUSAP KDENK2DEEONS14RW17L 010         0       VI                     1725                    18000
SUSAP KDENK2DEEONS14RW17L 020GISTTK2EA0E    010CF DEN K2      1200004512750039D    + 07000
SUSAP KDENK2DEEONS14RW17L 030KIDNGK2EA0E    010TF                    06500092    - 10000
SUSAP KDENK2DEEONS14RW17L 040KAYGGK2EA0E    010TF                    05440130
SUSAP KDENK2DEEONS14RW17L 050LUPTNK2EA0E    010TF                    05500115    + 14000
SUSAP KDENK2DEEONS14RW17L 060MRINEK2EA0E    010TF                    07030030    - FL230
SUSAP KDENK2DEEONS14RW17L 070EEONSK2EA0EE   010TF                    07040042
SUSAP KDENK2DEEONS14RW17R 010         0       VI                     1725                    18000
SUSAP KDENK2DEEONS14RW17R 020GISTTK2EA0E    010CF DEN K2      1200004511800044D    + 07000
SUSAP KDENK2DEEONS14RW17R 030KIDNGK2EA0E    010TF                    06500092    - 10000
SUSAP KDENK2DEEONS14RW17R 040KAYGGK2EA0E    010TF                    05440130
SUSAP KDENK2DEEONS14RW17R 050LUPTNK2EA0E    010TF                    05500115    + 14000
SUSAP KDENK2DEEONS14RW17R 060MRINEK2EA0E    010TF                    07030030    - FL230
SUSAP KDENK2DEEONS14RW17R 070EEONSK2EA0EE   010TF                    07040042
SUSAP KDENK2DEEONS14RW25  010         0       VA                     2625        + 05934     18000
SUSAP KDENK2DEEONS14RW25  020         0       VM                     2625
SUSAP KDENK2DEEONS14RW25  030EEONSK2EA0EE   010DF
SUSAP KDENK2DEEONS14RW34B 010         0       VA                     3525        + 05934     18000210                -
SUSAP KDENK2DEEONS14RW34B 020NUGGSK2EA0E    010DF
SUSAP KDENK2DEEONS14RW34B 030HIDEFK2EA0E    010TF                    07980097    - 10000
SUSAP KDENK2DEEONS14RW34B 040SHOBOK2EA0E    010TF                    07670115    - 12000
SUSAP KDENK2DEEONS14RW34B 050LUPTNK2EA0E    010TF                    07390107    + 14000
SUSAP KDENK2DEEONS14RW34B 060MRINEK2EA0E    010TF                    07030030    - FL230
SUSAP KDENK2DEEONS14RW34B 070EEONSK2EA0EE   010TF                    07040042
SUSAP KDENK2DEEONS14RW35L 010         0       VI                     3525                    18000
SUSAP KDENK2DEEONS14RW35L 020NUGGSK2EA0E    010CF DEN K2      0078008502500042D
SUSAP KDENK2DEEONS14RW35L 030HIDEFK2EA0E    010TF                    07980097    - 10000
SUSAP KDENK2DEEONS14RW35L 040SHOBOK2EA0E    010TF                    07670115    - 12000
SUSAP KDENK2DEEONS14RW35L 050LUPTNK2EA0E    010TF                    07390107    + 14000
SUSAP KDENK2DEEONS14RW35L 060MRINEK2EA0E    010TF                    07030030    - FL230
SUSAP KDENK2DEEONS14RW35L 070EEONSK2EA0EE   010TF                    07040042
SUSAP KDENK2DEEONS14RW35R 010         0       VI                     3525                    18000
SUSAP KDENK2DEEONS14RW35R 020NUGGSK2EA0E    010CF DEN K2      0078008501700033D
SUSAP KDENK2DEEONS14RW35R 030HIDEFK2EA0E    010TF                    07980097    - 10000
SUSAP KDENK2DEEONS14RW35R 040SHOBOK2EA0E    010TF                    07670115    - 12000
SUSAP KDENK2DEEONS14RW35R 050LUPTNK2EA0E    010TF                    07390107    + 14000
SUSAP KDENK2DEEONS14RW35R 060MRINEK2EA0E    010TF                    07030030    - FL230
SUSAP KDENK2DEEONS14RW35R 070EEONSK2EA0EE   010TF                    07040042
SUSAP KDENK2DEEONS15      010EEONSK2EA0E      IF                                            18000
SUSAP KDENK2DEEONS15      020WYNDMK2EA0EE   010TF                    06991100

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

```
SUSAP KDENK2GRW08    0120000825 N39523920W104394403-0500    +16139053540000052150IIFUI1
SUSAP KDENK2GRW16L   0120001725 N39534933W104411250+0000    +16125053500000060150IILTT1
SUSAP KDENK2GRW16R   0160001725 N39534487W104414590+0000    +16040053220000055200IIDQQ1
SUSAP KDENK2GRW17L   0120001725 N39515383W104382870+0300    +16059053280000048150IIBXP1
SUSAP KDENK2GRW17R   0120001725 N39514048W104393656+0500    +16210053780000060150IIACX1
SUSAP KDENK2GRW25    0120002625 N39502637W104410217+0000    +16142053550000055150IIERP1
SUSAP KDENK2GRW34L   0160003525 N39510679W104414772+0000    +16056053270000050200IIDXU3
SUSAP KDENK2GRW34R   0120003525 N39515077W104411388+0000    +16137053540000059150IIOUF3
SUSAP KDENK2GRW35L   0120003525 N39494193W104393798-0500    +16381054340000057150IIAQD3
SUSAP KDENK2GRW35R   0120003525 N39495527W104383016-0300    +16187053700000059150IIDPP3
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW08		010		VI		FB		082.5()			
	RW08	ROYYL	020		CF		FB	1.0	065.9()	008.8	AB 10000	
	RW08	SHOBO	030		TF		FB	1.0	066.1()	012.0	AB 12000	
	RW08	LUPTN	040		TF		FB	1.0	073.9()	010.7	AA 14000	
	RW08	MRINE	050		TF		FB	1.0	070.3()	003.0	AB FL230	
	RW08	EEONS	060		TF		FB	1.0	070.4()	004.2		
	RW16L		010		VI		FB		172.5()			
	RW16L	GISTT	020		CF		FB	1.0	117.9()	005.9	AA 07000	
	RW16L	KIDNG	030		TF		FB	1.0	065.0()	009.2	AB 10000	
	RW16L	KAYGG	040		TF		FB	1.0	054.4()	013.0		
	RW16L	LUPTN	050		TF		FB	1.0	055.0()	011.5	AA 14000	
	RW16L	MRINE	060		TF		FB	1.0	070.3()	003.0	AB FL230	
	RW16L	EEONS	070		TF		FB	1.0	070.4()	004.2		
	RW16R		010		VI		FB		172.5()			
	RW16R	GISTT	020		CF		FB	1.0	117.9()	006.5	AA 07000	
	RW16R	KIDNG	030		TF		FB	1.0	065.0()	009.2	AB 10000	
	RW16R	KAYGG	040		TF		FB	1.0	054.4()	013.0		
	RW16R	LUPTN	050		TF		FB	1.0	055.0()	011.5	AA 14000	
	RW16R	MRINE	060		TF		FB	1.0	070.3()	003.0	AB FL230	
	RW16R	EEONS	070		TF		FB	1.0	070.4()	004.2		
	RW17L		010		VI		FB		172.5()			
	RW17L	GISTT	020		CF		FB	1.0	127.5()	003.9	AA 07000	
	RW17L	KIDNG	030		TF		FB	1.0	065.0()	009.2	AB 10000	
	RW17L	KAYGG	040		TF		FB	1.0	054.4()	013.0		
	RW17L	LUPTN	050		TF		FB	1.0	055.0()	011.5	AA 14000	
	RW17L	MRINE	060		TF		FB	1.0	070.3()	003.0	AB FL230	
	RW17L	EEONS	070		TF		FB	1.0	070.4()	004.2		
	RW17R		010		VI		FB		172.5()			
	RW17R	GISTT	020		CF		FB	1.0	118.0()	004.4	AA 07000	
	RW17R	KIDNG	030		TF		FB	1.0	065.0()	009.2	AB 10000	
	RW17R	KAYGG	040		TF		FB	1.0	054.4()	013.0		
	RW17R	LUPTN	050		TF		FB	1.0	055.0()	011.5	AA 14000	
	RW17R	MRINE	060		TF		FB	1.0	070.3()	003.0	AB FL230	
	RW17R	EEONS	070		TF		FB	1.0	070.4()	004.2		
	RW25		010		VA		FB		262.5()		AA 05934	
	RW25		020		VM		FB		262.5()			
	RW25	EEONS	030		DF		FB	1.0				
	RW34B		010		VA		FB		352.5()		AA 05934	AB 210
	RW34B	NUGGS	020		DF		FB	1.0				
	RW34B	HIDEF	030		TF		FB	1.0	079.8()	009.7	AB 10000	
	RW34B	SHOBO	040		TF		FB	1.0	076.7()	011.5	AB 12000	
	RW34B	LUPTN	050		TF		FB	1.0	073.9()	010.7	AA 14000	

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

	RW34B	MRINE	060	TF	FB	1.0	070.3()	003.0	AB FL230
	RW34B	EEONS	070	TF	FB	1.0	070.4()	004.2	
	RW35L		010	VI	FB		352.5()		
	RW35L	NUGGS	020	CF	FB	1.0	025.0()	004.2	
	RW35L	HIDEF	030	TF	FB	1.0	079.8()	009.7	AB 10000
	RW35L	SHOBO	040	TF	FB	1.0	076.7()	011.5	AB 12000
	RW35L	LUPTN	050	TF	FB	1.0	073.9()	010.7	AA 14000
	RW35L	MRINE	060	TF	FB	1.0	070.3()	003.0	AB FL230
	RW35L	EEONS	070	TF	FB	1.0	070.4()	004.2	
	RW35R		010	VI	FB		352.5()		
	RW35R	NUGGS	020	CF	FB	1.0	017.0()	003.3	
	RW35R	HIDEF	030	TF	FB	1.0	079.8()	009.7	AB 10000
	RW35R	SHOBO	040	TF	FB	1.0	076.7()	011.5	AB 12000
	RW35R	LUPTN	050	TF	FB	1.0	073.9()	010.7	AA 14000
	RW35R	MRINE	060	TF	FB	1.0	070.3()	003.0	AB FL230
	RW35R	EEONS	070	TF	FB	1.0	070.4()	004.2	
		EEONS	010	IF	FB				
		WYNDM	020	TF	FB	1.0	069.9()	110.0	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DEN	N394845.05	W1043938.66	N3948.751	W10439.644
	EEONS	N400117.62	W1034611.04	N4001.294	W10346.184
	GISTT	N394557.50	W1043501.10	N3945.958	W10435.018
	HIDEF	N395717.16	W1042405.90	N3957.286	W10424.098
	KAYGG	N395436.80	W1040844.77	N3954.613	W10408.746
	KIDNG	N394837.67	W1042339.58	N3948.628	W10423.660
	LUPTN	N395950.43	W1035521.77	N3959.841	W10355.363
	MRINE	N400026.83	W1035132.37	N4000.447	W10351.540
	NUGGS	N395655.57	W1043638.33	N3956.926	W10436.639
	ROYYL	N395503.47	W1042410.37	N3955.058	W10424.173
	SHOBO	N395819.97	W1040911.53	N3958.333	W10409.192
	WYNDM	N402259.60	W1012526.20	N4022.993	W10125.437
	RW08	N395239.20	W1043944.03	N3952.653	W10439.734
	RW16L	N395349.33	W1044112.50	N3953.822	W10441.208
	RW16R	N395344.87	W1044145.90	N3953.748	W10441.765
	RW17L	N395153.83	W1043828.70	N3951.897	W10438.478
	RW17R	N395140.48	W1043936.56	N3951.675	W10439.609
	RW25	N395026.37	W1044102.17	N3950.440	W10441.036
	RW34L	N395106.79	W1044147.72	N3951.113	W10441.795
	RW34R	N395150.77	W1044113.88	N3951.846	W10441.231
	RW35L	N394941.93	W1043937.98	N3949.699	W10439.633
	RW35R	N394955.27	W1043830.16	N3949.921	W10438.503

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

RW08	05354	52
RW16L	05350	60
RW16R	05322	55
RW17L	05328	48
RW17R	05378	60
RW25	05355	55
RW34L	05327	50
RW34R	05354	59
RW35L	05434	57
RW35R	05370	59

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   EEONS K20    R     N40011762W103461104                    E0081     NAR           EEONS
         SUSAEAENRT   WYNDM K20    W     N40225960W101252620                    E0068     NAR           WYNDM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KBJCK2ABJC     0     090YHN39543170W105070190E011005673         1800018000C    MNAR    ROCKY MOUNTAIN METROPOLITAN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KBJCK2DEEONS14RW11B 010EEONSK2EA0E       IF                                          18000
         SUSAP KBJCK2DEEONS14RW11B 020WYNDMK2EA0EE   010TF                    06991100
         SUSAP KBJCK2DEEONS14RW29B 010EEONSK2EA0E       IF                                          18000
         SUSAP KBJCK2DEEONS14RW29B 020WYNDMK2EA0EE   010TF                    06991100

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KBJCK2GRW11L   0090001133 N39545505W105074228-1000    +17087056600000041100V
         SUSAP KBJCK2GRW11R   0070021133 N39545110W105075355-1100    +17126056730000040075V
         SUSAP KBJCK2GRW29L   0070022933 N39541212W105063933+1100    +16888055950000041075R
         SUSAP KBJCK2GRW29R   0090002933 N39540495W105060691+1000    +16798055660000052100IIBJC1
```

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW11B	EEONS	010		IF		FB					
	RW11B	WYNDM	020		TF		FB	1.0	069.9()	110.0		
	RW29B	EEONS	010		IF		FB					
	RW29B	WYNDM	020		TF		FB	1.0	069.9()	110.0		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EEONS	N400117.62	W1034611.04	N4001.294	W10346.184
	WYNDM	N402259.60	W1012526.20	N4022.993	W10125.437
	RW11L	N395455.05	W1050742.28	N3954.918	W10507.705
	RW11R	N395451.10	W1050753.55	N3954.852	W10507.893
	RW29L	N395412.12	W1050639.33	N3954.202	W10506.656
	RW29R	N395404.95	W1050606.91	N3954.083	W10506.115

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11L	05660	41
	RW11R	05673	40
	RW29L	05595	41
	RW29R	05566	52

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   EEONS K20    R     N40011762W103461104                    E0081     NAR           EEONS
         SUSAEAENRT   WYNDM K20    W     N40225960W101252620                    E0068     NAR           WYNDM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KAPAK2AAPA     0     100YHN39341240W104505750E008005885         18000018000C    MNAR    CENTENNIAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KAPAK2DEEONS14RW17B 010         0        VA                    1700        + 06400     18000
         SUSAP KAPAK2DEEONS14RW17B 020         0        VM                    1700
         SUSAP KAPAK2DEEONS14RW17B 030EEONSK2EA0EE   010DF
         SUSAP KAPAK2DEEONS14RW35B 010         0        VA                    3500        + 06400     18000
         SUSAP KAPAK2DEEONS14RW35B 020         0        VM                    3500
         SUSAP KAPAK2DEEONS14RW35B 030EEONSK2EA0EE   010DF
         SUSAP KAPAK2DEEONS15      010EEONSK2EA0E      IF                                          18000
         SUSAP KAPAK2DEEONS15      020WYNDMK2EA0EE   010TF                    06991100

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KAPAK2GRW17L   0100011700 N39350292W104510530+0900    +17485057930000047100V
         SUSAP KAPAK2GRW17R   0070001700 N39344434W104511338+0900    +17517058040000041077V
         SUSAP KAPAK2GRW35L   0070003500 N39333523W104511019-0900    +17716058690000037077V
         SUSAP KAPAK2GRW35R   0100013500 N39332418W104510074-0900    +17766058850000053100IIAPA1
```

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW17B		010		VA		FB		170.0()		AA 06400	
	RW17B		020		VM		FB		170.0()			
	RW17B	EEONS	030		DF		FB	1.0				
	RW35B		010		VA		FB		350.0()		AA 06400	
	RW35B		020		VM		FB		350.0()			
	RW35B	EEONS	030		DF		FB	1.0				
		EEONS	010		IF		FB					
		WYNDM	020		TF		FB	1.0	069.9()	110.0		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EEONS	N400117.62	W1034611.04	N4001.294	W10346.184
	WYNDM	N402259.60	W1012526.20	N4022.993	W10125.437
	RW17L	N393502.92	W1045105.30	N3935.049	W10451.088
	RW17R	N393444.34	W1045113.38	N3934.739	W10451.223
	RW35L	N393335.23	W1045110.19	N3933.587	W10451.170
	RW35R	N393324.18	W1045100.74	N3933.403	W10451.012

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17L	05793	47
	RW17R	05804	41
	RW35L	05869	37
	RW35R	05885	53

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EEONS K20    R     N40011762W103461104                    E0081     NAR          EEONS
        SUSAEAENRT   WYNDM K20    W     N40225960W101252620                    E0068     NAR          WYNDM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFTGK2AFTG     0     080YHN39470312W104321544E008005512         1800018000C    MNAR    FRONT RANGE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFTGK2DEEONS14RW08  010         0        VA                    0832        + 06020     18000
        SUSAP KFTGK2DEEONS14RW08  020         0        VM                    0832
        SUSAP KFTGK2DEEONS14RW08  030EEONSK2EA0EE   010DF
        SUSAP KFTGK2DEEONS14RW17  010         0        VA                    1720        + 06020     18000
        SUSAP KFTGK2DEEONS14RW17  020         0        VM                    1720
        SUSAP KFTGK2DEEONS14RW17  030EEONSK2EA0EE   010DF
        SUSAP KFTGK2DEEONS14RW26  010         0        VA                    2632        + 06020     18000
        SUSAP KFTGK2DEEONS14RW26  020         0        VM                    2632
        SUSAP KFTGK2DEEONS14RW26  030EEONSK2EA0EE   010DF
        SUSAP KFTGK2DEEONS14RW35  010         0        VA                    3520        + 06020     18000
        SUSAP KFTGK2DEEONS14RW35  020         0        VM                    3520
        SUSAP KFTGK2DEEONS14RW35  030EEONSK2EA0EE   010DF
        SUSAP KFTGK2DEEONS15      010EEONSK2EA0E    IF                                                18000
        SUSAP KFTGK2DEEONS15      020WYNDMK2EA0EE   010TF                   06991100

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFTGK2GRW08    0080000832 N39473842W104335487+0400    +164390545000005010OD
        SUSAP KFTGK2GRW17    0080001720 N39470815W104312724+0500    +165080547300005510OIIFZR1
        SUSAP KFTGK2GRW26    0080002632 N39473682W104321243-0400    +165470548500004510OIIFTG1
        SUSAP KFTGK2GRW35    0080003520 N39454910W104312722-0500    +166270551200005410OIIVWT1
```

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EEONS RNAV	ONE	EEONS1.WYNDM	NONE		

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW08		010		VA		FB		083.2()		AA 06020	
	RW08		020		VM		FB		083.2()			
	RW08	EEONS	030		DF		FB	1.0				
	RW17		010		VA		FB		172.0()		AA 06020	
	RW17		020		VM		FB		172.0()			
	RW17	EEONS	030		DF		FB	1.0				
	RW26		010		VA		FB		263.2()		AA 06020	
	RW26		020		VM		FB		263.2()			
	RW26	EEONS	030		DF		FB	1.0				
	RW35		010		VA		FB		352.0()		AA 06020	
	RW35		020		VM		FB		352.0()			
	RW35	EEONS	030		DF		FB	1.0				
		EEONS	010		IF		FB					
		WYNDM	020		TF		FB	1.0	069.9()	110.0		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EEONS	N400117.62	W1034611.04	N4001.294	W10346.184
	WYNDM	N402259.60	W1012526.20	N4022.993	W10125.437
	RW08	N394738.42	W1043354.87	N3947.640	W10433.915
	RW17	N394708.15	W1043127.24	N3947.136	W10431.454
	RW26	N394736.82	W1043212.43	N3947.614	W10432.207
	RW35	N394549.10	W1043127.22	N3945.818	W10431.454

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	05450	50
	RW17	05473	55
	RW26	05485	45
	RW35	05512	54

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GISTT **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 394557.50N/1043501.10W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRYCC			KAPA	DENVER	CO (US)
DP	EEONS			KAPA	DENVER	CO (US)
DP	EMMYS			KAPA	DENVER	CO (US)
DP	EPKEE			KAPA	DENVER	CO (US)
DP	EXTAN			KAPA	DENVER	CO (US)
DP	RIKKK			KAPA	DENVER	CO (US)
DP	YAMMI			KAPA	DENVER	CO (US)
DP	YOKES			KAPA	DENVER	CO (US)
DP	BRYCC			KBJC	DENVER	CO (US)
DP	EEONS			KBJC	DENVER	CO (US)
DP	EMMYS			KBJC	DENVER	CO (US)
DP	EPKEE			KBJC	DENVER	CO (US)
DP	EXTAN			KBJC	DENVER	CO (US)
DP	RIKKK			KBJC	DENVER	CO (US)
DP	YAMMI			KBJC	DENVER	CO (US)
DP	YOKES			KBJC	DENVER	CO (US)
DP	BRYCC			KDEN	DENVER	CO (US)
DP	EEONS			KDEN	DENVER	CO (US)
DP	EMMYS			KDEN	DENVER	CO (US)
DP	EPKEE			KDEN	DENVER	CO (US)
DP	EXTAN			KDEN	DENVER	CO (US)
DP	RIKKK			KDEN	DENVER	CO (US)
DP	YAMMI			KDEN	DENVER	CO (US)
DP	YOKES			KDEN	DENVER	CO (US)
DP	BRYCC			KFTG	DENVER	CO (US)
DP	EEONS			KFTG	DENVER	CO (US)
DP	EMMYS			KFTG	DENVER	CO (US)
DP	EPKEE			KFTG	DENVER	CO (US)
DP	EXTAN			KFTG	DENVER	CO (US)
DP	RIKKK			KFTG	DENVER	CO (US)
DP	YAMMI			KFTG	DENVER	CO (US)
DP	YOKES			KFTG	DENVER	CO (US)
DP	BRYCC			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	EEONS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	EMMYS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	EPKEE			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	EXTAN			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	RIKKK			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	YAMMI			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	YOKES			KFNL	FORT COLLINS/LOVELAND	CO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 08/11/2012 **OFFICE:** AJV-354 **NAME:** CHARLES ERICKSON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HIDEF **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 395717.16N/1042405.90W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EEONS			KAPA	DENVER	CO (US)
DP	EMMYS			KAPA	DENVER	CO (US)
DP	EEONS			KBJC	DENVER	CO (US)
DP	EMMYS			KBJC	DENVER	CO (US)
DP	EEONS			KDEN	DENVER	CO (US)
DP	EMMYS			KDEN	DENVER	CO (US)
DP	EEONS			KFTG	DENVER	CO (US)
DP	EMMYS			KFTG	DENVER	CO (US)
DP	EEONS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	EMMYS			KFNL	FORT COLLINS/LOVELAND	CO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/06/2012 **OFFICE:** AJV-354 **NAME:** VICTOR BOONE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: KAYGG **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 395436.80N/1040844.77W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EEONS			KAPA	DENVER	CO (US)
DP	EEONS			KBJC	DENVER	CO (US)
DP	EEONS			KDEN	DENVER	CO (US)
DP	EEONS			KFTG	DENVER	CO (US)
DP	EEONS			KFNL	FORT COLLINS/LOVELAND	CO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/06/2012 **OFFICE:** AJV-354 **NAME:** VICTOR BOONE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: KIDNG **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 394837.67N/1042339.58W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRYCC			KAPA	DENVER	CO (US)
DP	EEONS			KAPA	DENVER	CO (US)
DP	EMMYS			KAPA	DENVER	CO (US)
DP	EPKEE			KAPA	DENVER	CO (US)
DP	EXTAN			KAPA	DENVER	CO (US)
DP	RIKKK			KAPA	DENVER	CO (US)
DP	YAMMI			KAPA	DENVER	CO (US)
DP	YOKES			KAPA	DENVER	CO (US)
DP	BRYCC			KBJC	DENVER	CO (US)
DP	EEONS			KBJC	DENVER	CO (US)
DP	EMMYS			KBJC	DENVER	CO (US)
DP	EPKEE			KBJC	DENVER	CO (US)
DP	EXTAN			KBJC	DENVER	CO (US)
DP	RIKKK			KBJC	DENVER	CO (US)
DP	YAMMI			KBJC	DENVER	CO (US)
DP	YOKES			KBJC	DENVER	CO (US)
DP	BRYCC			KDEN	DENVER	CO (US)
DP	EEONS			KDEN	DENVER	CO (US)
DP	EMMYS			KDEN	DENVER	CO (US)
DP	EPKEE			KDEN	DENVER	CO (US)
DP	EXTAN			KDEN	DENVER	CO (US)
DP	RIKKK			KDEN	DENVER	CO (US)
DP	YAMMI			KDEN	DENVER	CO (US)
DP	YOKES			KDEN	DENVER	CO (US)
DP	BRYCC			KFTG	DENVER	CO (US)
DP	EEONS			KFTG	DENVER	CO (US)
DP	EMMYS			KFTG	DENVER	CO (US)
DP	EPKEE			KFTG	DENVER	CO (US)
DP	EXTAN			KFTG	DENVER	CO (US)
DP	RIKKK			KFTG	DENVER	CO (US)
DP	YAMMI			KFTG	DENVER	CO (US)
DP	YOKES			KFTG	DENVER	CO (US)
DP	BRYCC			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	EEONS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	EMMYS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	EPKEE			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	EXTAN			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	RIKKK			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	YAMMI			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	YOKES			KFNL	FORT COLLINS/LOVELAND	CO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 08/11/2012 **OFFICE:** AJV-354 **NAME:** CHARLES ERICKSON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: LUPTN **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 395950.43N/1035521.77W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EEONS			KAPA	DENVER	CO (US)
DP	EEONS			KBJC	DENVER	CO (US)
DP	EEONS			KDEN	DENVER	CO (US)
DP	EEONS			KFTG	DENVER	CO (US)
DP	EEONS			KFNL	FORT COLLINS/LOVELAND	CO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/06/2012 **OFFICE:** AJV-354 **NAME:** VICTOR BOONE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: MRINE **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 400026.83N/1035132.37W **TYPE:**

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EEONS			KAPA	DENVER	CO (US)
DP	EEONS			KBJC	DENVER	CO (US)
DP	EEONS			KDEN	DENVER	CO (US)
DP	EEONS			KFTG	DENVER	CO (US)
DP	EEONS			KFNL	FORT COLLINS/LOVELAND	CO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 08/11/2012 **OFFICE:** AJV-354 **NAME:** CHARLES ERICKSON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: NUGGS **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 395655.57N/1043638.33W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EEONS			KAPA	DENVER	CO (US)
DP	EMMYS			KAPA	DENVER	CO (US)
DP	EEONS			KBJC	DENVER	CO (US)
DP	EMMYS			KBJC	DENVER	CO (US)
DP	EEONS			KDEN	DENVER	CO (US)
DP	EMMYS			KDEN	DENVER	CO (US)
DP	EEONS			KFTG	DENVER	CO (US)
DP	EMMYS			KFTG	DENVER	CO (US)
DP	EEONS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	EMMYS			KFNL	FORT COLLINS/LOVELAND	CO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/06/2012 **OFFICE:** AJV-354 **NAME:** VICTOR BOONE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ROYYL **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 395503.47N/1042410.37W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EEONS			KAPA	DENVER	CO (US)
DP	EEONS			KBJC	DENVER	CO (US)
DP	EEONS			KDEN	DENVER	CO (US)
DP	EEONS			KFTG	DENVER	CO (US)
DP	EEONS			KFNL	FORT COLLINS/LOVELAND	CO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/06/2012 **OFFICE:** AJV-354 **NAME:** VICTOR BOONE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SHOBO **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 395819.97N/1040911.53W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EEONS			KAPA	DENVER	CO (US)
DP	EEONS			KBJC	DENVER	CO (US)
DP	EEONS			KDEN	DENVER	CO (US)
DP	EEONS			KFTG	DENVER	CO (US)
DP	EEONS			KFNL	FORT COLLINS/LOVELAND	CO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/06/2012 **OFFICE:** AJV-354 **NAME:** VICTOR BOONE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WYNDM **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 402259.60N/1012526.20W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EEONS			KAPA	DENVER	CO (US)
DP	EEONS			KBJC	DENVER	CO (US)
DP	EEONS			KDEN	DENVER	CO (US)
DP	EEONS			KFTG	DENVER	CO (US)
DP	EEONS			KFNL	FORT COLLINS/LOVELAND	CO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/06/2012 **OFFICE:** AJV-354 **NAME:** VICTOR BOONE

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY: DEN
OTHER:

QUALITY CHECKED

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: EEONS **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 400117.62N/1034611.04W **TYPE:** DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	DENVER	DEN	VOR/DME	H	064.77	072.77	43.00	43.00		8000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DEN	VOR/DME	R-065	43	8000	20000

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PLAINS	1		KBKF	AURORA	CO (US)
DP	EEONS			KAPA	DENVER	CO (US)
DP	PLAINS	1		KAPA	DENVER	CO (US)
DP	EEONS			KBJC	DENVER	CO (US)
DP	PLAINS	1		KBJC	DENVER	CO (US)
DP	EEONS			KDEN	DENVER	CO (US)
DP	PLAINS	1		KDEN	DENVER	CO (US)
DP	EEONS			KFTG	DENVER	CO (US)
DP	PLAINS	1		KFTG	DENVER	CO (US)
DP	EEONS			KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PLAINS	1		KFNL	FORT COLLINS/LOVELAND	CO (US)
DP	PLAINS	1		KGXY	GREELEY	CO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
UPDATED FIX USE
FAC 1 MAG BRG CHANGED FROM 061.77 TO 064.77, FAC 1 MAGVAR CHANGE FROM 11E TO 8E
FAC 1 ADDED DIST FROM FAC
ADDED ESV DATA

DEVELOPED BY: **DATE:** 02/27/2012 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:
DENVER, CO (KDEN)
DENVER INTL;

EEONS (RNAV) STANDARD INSTRUMENT DEPARTURE (SID)

2. Waiver Required and Applicable Standard:
8260.46, CHAPTER 2, PARA 2-1e(1)(b)
WHEN ATC REQUIRES PUBLICATION OF A MAXIMUM "AT OR BELOW" ALTITUDE TO SUPPORT AN OPERATIONAL REQUIREMENT, A MINIMUM "AT OR ABOVE" ALTITUDE MUST ALSO BE SPECIFIED.

3. Reason for Waiver *(Justification for nonstandard treatment)*:
ATC HAS REQUESTED NUMEROUS CROSS AT OR BELOW ALTITUDES AT VARIOUS WAY-POINTS ON THIS PROCEDURE. SOUTHWEST AND UNITED AIRLINES HAVE REQUESTED THAT THE ASSOCIATED MINIMUM "AT OR ABOVE" ALTITUDE THAT WOULD NORMALLY BE PUBLISHED AT THESE FIXES NOT BE INCLUDED ON THE PROCEDURE.

4. Equivalent Level of Safety Provided:
1. NON-STANDARD MANDATORY CLIMB GRADIENTS HAVE BEEN APPLIED THAT ALLOW FOR A CONTINUOUS CLIMB THAT MEET BOTH CROSS AT OR ABOVE ALTITUDES AND CROSS AT OR BELOW ALTITUDES WHILE ENSURING OBSTACLE CLEARANCE.

2. FOR AIRCRAFT THAT CLIMB RAPIDLY AND MUST LEVEL OFF TEMPORARILY TO MEET THE CROSS AT/BELOW RESTRICTIONS (LOWEST OF WHICH IS 10000), THE CROSS AT/BELOW ALTITUDES ARE A MINIMUM OF 4000 FT ABOVE ALL OBSTACLES OVER ALL FIXES WITH AT/BELOW RESTRICTIONS.

3. THE HIGHEST MINIMUM VECTORING ALTITUDE IN THE TERPS EVALUATED DEPARTURE ROUTE WHERE THE AT OR BELOW CROSSING RESTRICTIONS ARE LOCATED IS 7000 FEET.

4. ENROUTE ROC FOR LEVEL-OFF ALTITUDE IS ASSURED FOR FAST CLIMBING AIRCRAFT FROM DER TO THE AT OR BELOW FIX.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:

N/A

6. Coordination With User Organizations *(Specify)*:

AJV-354

7. SUBMITTED BY

DATE:	Office Identification:	Title:	Signature:
	AJV-35	MANAGER, TERMINAL PRODUCTS GROUP	GREG YAMAMOTO

FAA FORM 8260 - 1 / July 2003 (computer generated)

8. CONTINUATION
Comments:

9. AFS ACTION		
		Approved
		Disapproved
		Not Required

Comments:

Date:	Routing Symbol:	Signature:

Federal Aviation Administration

CONCURRENCES
ROUTING SYMBOL AJV-34 SBaker
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-354 Lead
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-354 DSilagyi
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-34 WTerrell
INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE

Memorandum

Date:

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: Dez Silagyi, Manager, Terminal Procedures & Charting Services, Western Team, AJV-354

Subject: **ACTION:** Magnetic Variation Change

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

5/31/2012

DENVER, CO (KFTG)
ILS OR LOC RWY 17 AMDT 1
ILS OR LOC RWY 35 AMDT 1
TAKE-OFF MINIMUMS AMDT 3

DENVER, CO (KAPA)
TAKE-OFF MINIMUMS AMDT 5

DENVER, CO (KBJC)
TAKE-OFF MINIMUMS AMDT 5

DENVER, CO (KDEN)
ILS OR LOC RWY 35L AMDT 5
ILS OR LOC RWY 35R AMDT 3
RNAV (GPS) Y RWY 35L AMDT 2
RNAV (GPS) Y RWY 35R AMDT 2
RNAV (RNP) Z RWY 35L ORIG
RNAV (RNP) Z RWY 35R ORIG
ILS OR LOC RWY 25 AMDT 3
ILS OR LOC RWY 7 AMDT 3
ILS OR LOC RWY 8 AMDT 5
ILS RWY 26 AMDT 3
RNAV (GPS) Y RWY 25 AMDT 1
RNAV (GPS) Y RWY 26 AMDT 1
RNAV (GPS) Y RWY 7 AMDT 1
RNAV (GPS) Y RWY 8 AMDT 1
RNAV (RNP) Z RWY 25 ORIG
RNAV (RNP) Z RWY 26 ORIG
RNAV (RNP) Z RWY 7 ORIG
RNAV (RNP) Z RWY 8 ORIG
ILS OR LOC RWY 16R AMDT 1
ILS RWY 16L AMDT 3
RNAV (GPS) Y RWY 16L AMDT 1

RNAV (GPS) Y RWY 16R AMDT 1
RNAV (RNP) Z RWY 16L ORIG
RNAV (RNP) Z RWY 16R ORIG
ILS OR LOC RWY 17L AMDT 4
ILS RWY 17R AMDT 3
RNAV (GPS) Y RWY 17L AMDT 1
RNAV (GPS) Y RWY 17R AMDT 1
RNAV (RNP) Z RWY 17L ORIG
RNAV (RNP) Z RWY 17R ORIG
ILS OR LOC RWY 34L AMDT 2
ILS OR LOC RWY 34R AMDT 3
RNAV (GPS) Y RWY 34L AMDT 2
RNAV (GPS) Y RWY 34R AMDT 2
RNAV (RNP) Z RWY 34L ORIG
RNAV (RNP) Z RWY 34R ORIG

7/26/2012 and Beyond

STAR ANCHR (RNAV) ONE
STAR BOSSS (RNAV) ONE
STAR JAGGR (RNAV) ONE
STAR KIPPR (RNAV) ONE
STAR KOHOE (RNAV) ONE
STAR PURRL (RNAV) ONE
STAR WAHUU (RNAV) ONE
STAR ZPLYN (RNAV) ONE
SID EEONS (RNAV) ONE
SID EMMYS (RNAV) ONE
SID EPKEE (RNAV) ONE
SID EXTAN (RNAV) ONE
SID HOLTT (RNAV) ONE
SID WHEAT (RNAV) ONE

STAR CREDE (RNAV) ONE
STAR PITKN (RNAV) ONE
STAR GYPSM (RNAV) ONE
STAR CORTZ (RNAV) ONE
STAR RICCO (RNAV) ONE
STAR FRNCH (RNAV) ONE
STAR KAILE (RNAV) ONE
STAR LDORA (RNAV) ONE
STAR MOLTN (RNAV) ONE
STAR OURAY (RNAV) ONE
STAR PEEKK (RNAV) ONE
STAR TELLR (RNAV) ONE
STAR TSHRN (RNAV) ONE
STAR YAMPA (RNAV) ONE
SID YALES (RNAV) ONE
SID YAMMI (RNAV) ONE
SID YOBUB (RNAV) ONE
SID YOKES (RNAV) ONE
SID BAYLR (RNAV) ONE
SID BRYCC (RNAV) ONE
SID CONNR (RNAV) ONE
SID COORZ (RNAV) ONE
SID HURDL (RNAV) ONE
SID JUMPR (RNAV) ONE
SID RIKKK (RNAV) ONE
SID SOLAR (RNAV) ONE

SID SPAZZ (RNAV) ONE
SID STAKR (RNAV) ONE
SID ZIMMR (RNAV) ONE
SID VRONI (RNAV) ONE

Estimated Chart Date: **5/31/2011, 7/26/2011, 9/20/2011, 11/15/2012, 1/10/2013**

Please publish these changes in the National Flight Data Digest.

COLORADO

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
Denver	Denver Intl	Airport	KDEN / DEN	Old 11° East / New 08° East	2015
Denver		ILS	ACX	Old 11° East / New 08° East	2015
Denver		ILS	LTT	Old 11° East / New 08° East	2015
Denver		ILS	DPP	Old 09° East / New 08° East	2015
Denver		ILS	AQD	Old 09° East / New 08° East	2015
Denver		ILS	OUF	Old 09° East / New 08° East	2015
Denver		ILS	JOY	Old 11° East / New 08° East	2015
Denver		ILS	ERP	Old 11° East / New 08° East	2015
Denver		ILS	DZG	Old 11° East / New 08° East	2015
Denver		ILS	DXU	Old 09° East / New 08° East	2015
Denver		ILS	BXP	Old 11° East / New 08° East	2015
Denver		ILS	DQQ	Old 11° East / New 08° East	2015
Denver		ILS	FUI	Old 11° East / New 08° East	2015
Denver	DENVER	VOR/ DME	DEN	Old 11° East / New 08° East	2015
Denver	MILE HIGH	VORTAC	DVV	Old 11° East / New 08° East	2015
Irondale.Denver		ASR	DEN	Old 11° East / New 08° East	2015
Platteville.Denver		ASR	GXY	Old 11° East / New 08° East	2015

If you have any questions please notify Dez Silagyi (405-954-9977).

Name:	Martha Dunn
Project Name:	KDEN
Output File:	KDEN EEONS1 SID RW08 WYNDM 20120817_0954
Procedure Name:	EEONS1
Software:	RNAV-Pro™
Version:	2.36v
Date/Time:	8/17/2012 9:54:17 AM
Input File:	EEONS RW08 WYNDM 20120214.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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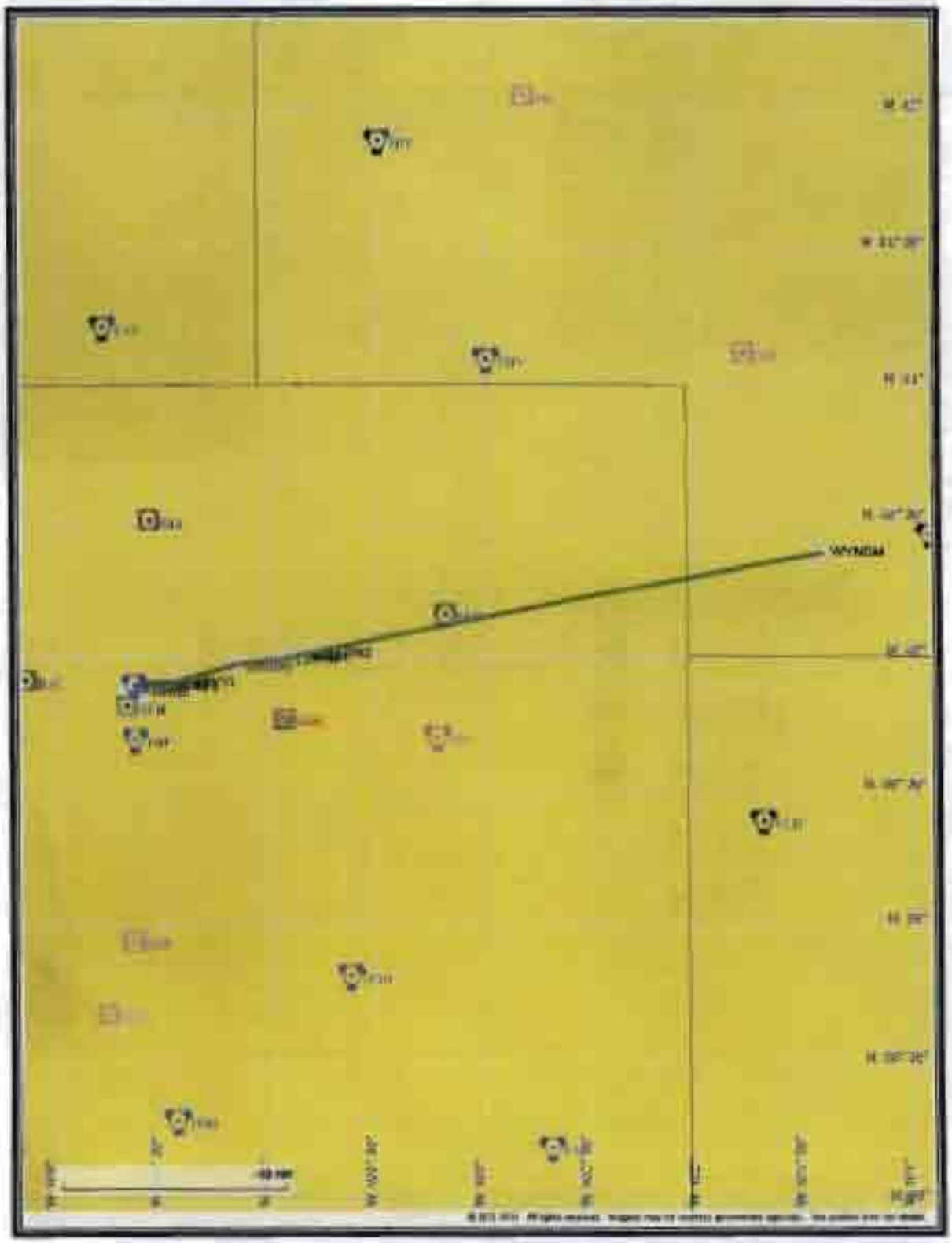

WYNDM

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW08(A...	WP	N 39° 52' 39.20" W 104° 39' 44.03"	5351.2	VNAV	0.0	Fly By	TF
RW26(D...	WP	N 39° 52' 38.08" W 104° 37' 10.15"	5326.1	VNAV	130.0	Fly Over	VI
GH08	WP	N 39° 52' 37.16" W 104° 35' 10.21"	5934.0	VNAV	145.0	Fly By	CF - 74.0°
ROYYL	WP	N 39° 55' 3.47" W 104° 24' 10.37"	8225.0	VNAV	180.0	Fly By	TF
SHOBO	WP	N 39° 58' 19.97" W 104° 9' 11.53"	11339.0	VNAV	210.0	Fly By	TF
LUPTN	WP	N 39° 59' 50.43" W 103° 55' 21.77"	14000.0	VNAV	210.0	Fly By	TF
MRINE	WP	N 40° 0' 26.83" W 103° 51' 32.37"	14000.0	VNAV	210.0	Fly By	TF
EEONS	WP	N 40° 1' 17.62" W 103° 46' 11.04"	14000.0	VNAV	210.0	Fly By	TF
WYNDM	WP	N 40° 22' 59.60" W 101° 25' 26.20"	14000.0	VNAV	210.0	Fly Over	TF

Climb Gradient:

Table:

420.0 Ft/NM up to **5934.0 Ft MSL**
260.0 Ft/NM up to **14000.0 Ft MSL**

Flyability

Return To Summary

Settings:

Flight Type: Runway Departure
Selected Airport: KDEN
Aircraft Category: Cat D
Climb Gradient:

Table:
420.0 Ft/NM up to **5934.0 Ft MSL**
260.0 Ft/NM up to **14000.0 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 ROYYL could not be reached with given A/C acceleration performance.

Required IAS at Fly-By WP SHOBO could not be reached with given A/C acceleration performance.

Flight Track comes into contact with terrain. Minimum AGL along route was -10.90 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AEP 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: 6162 Ft

Total Number of DMEs Used: 12

Maximum DME Error: 0.514 NM

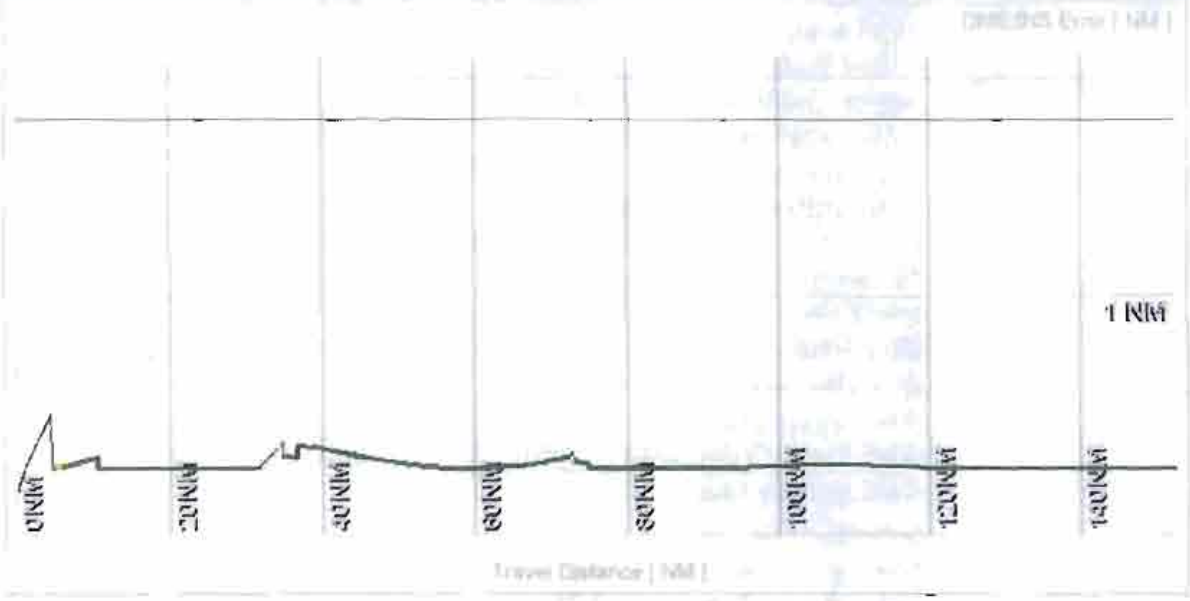
No Critical DMEs were found.

Available DMEs: DEN, FQF, BJC, DVV, GLL, AKO, TXC, HGO, SNY, GLD, HCT, SAE

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H + ESV	User	NO	0.607	Enabled	6.2 %	3.4 %
2	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H + ESV	User	NO	0.603	Enabled	18.0 %	16.0 %
3	DVV	N 39° 53' 40.90" W 104° 37' 27.60" E 8	H	User	NO	0.514	Enabled	6.4 %	4.4 %
4	DEN	N 39° 48' 45.00" W 104° 39' 38.70" E 8	H	User	NO	0.514	Enabled	6.8 %	6.6 %
5	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H + ESV	User	NO	1.032	Enabled	15.2 %	13.8 %
6	TXC	N 39° 41' 53.94" W 103° 12' 53.78" E 12	L	Database	NO	1.386	Enabled	22.7 %	25.2 %
7	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H + ESV	User	NO	1.077	Enabled	35.4 %	39.4 %
8	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H + ESV	User	NO	0.514	Enabled	20.0 %	22.3 %
9	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H + ESV	User	NO	0.514	Enabled	1.1 %	1.2 %
10	HCT	N 40° 27' 14.62" W 100° 55' 24.86" E 11	H + ESV	User	NO	0.796	Enabled	25.7 %	28.6 %
11	GLD	N 39° 23' 16.30" W 101° 41' 32.30" E 12	H + ESV	User	NO	0.874	Enabled	16.5 %	18.3 %
12	SAE	N 41° 7' 8.77" W 101° 46' 33.80" E 11	T + ESV	User	NO	0.514	Enabled	8.7 %	9.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.0	DEN					
3.4	DEN	FQF	BJC	DVV	GLL	
12.3	DEN	FQF	BJC	DVV	GLL	
23.9	DEN	FQF	AKO	DVV	GLL	BJC
34.8	DEN	FQF	TXC	DVV	BJC	AKO
38.0	DEN	AKO	TXC	DVV	BJC	
42.2	FQF	AKO	TXC	HGO	SNY	
76.4	GLD	AKO	TXC	HGO	SNY	
102.6	GLD	AKO	SAE	HCT	SNY	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 39° 52' 39.20" W 104° 39' 44.03"	N 39° 52' 50.36" W 104° 34' 6.74"	4.4
	VOR: BJC	Available from N 39° 52' 39.20" W 104° 39' 44.03" to N 39° 52' 50.36" W 104° 34' 6.74"	
	VOR: BVR	Available from N 39° 52' 39.20" W 104° 39' 44.03" to N 39° 52' 50.36" W 104° 34' 6.74"	
	VOR: DEN	Available from N 39° 52' 39.20" W 104° 39' 44.03" to N 39° 52' 50.36" W 104° 34' 6.74"	
	VOR: DVV	Available from N 39° 52' 39.20" W 104° 39' 44.03" to N 39° 52' 50.36" W 104° 34' 6.74"	
	VOR: FQF	Available from N 39° 52' 39.20" W 104° 39' 44.03" to N 39° 52' 50.36" W 104° 34' 6.74"	
	VOR: GLL	Available from N 39° 52' 39.20" W 104° 39' 44.03" to N 39° 52' 50.36" W 104° 34' 6.74"	
2	N 39° 59' 21.30" W 103° 59' 52.00"	N 39° 59' 48.00" W 103° 55' 44.61"	3.2
	VOR: AKO	Available from N 39° 59' 21.30" W 103° 59' 52.00" to N 39° 59' 48.00" W 103° 55' 44.61"	
	VOR: BVR	Available from N 39° 59' 21.30" W 103° 59' 52.00" to N 39° 59' 48.00" W 103° 55' 44.61"	
	VOR: DEN	Available from N 39° 59' 21.30" W 103° 59' 52.00" to N 39° 59' 48.00" W 103° 55' 44.61"	
	VOR: DVV	Available from N 39° 59' 21.30" W 103° 59' 52.00" to N 39° 59' 48.00" W 103° 55' 44.61"	
	VOR: FQF	Available from N 39° 59' 21.30" W 103° 59' 52.00" to N 39° 59' 48.00" W 103° 55' 44.61"	
	VOR: TXC	Available from N 39° 59' 22.98" W 103° 59' 36.54" to N 39° 59' 48.00" W 103° 55' 44.61"	
3	N 40° 7' 27.87" W 103° 8' 9.44"	N 40° 7' 37.62" W 103° 7' 8.17"	0.8
	VOR: AKO	Available from N 40° 7' 27.87" W 103° 8' 9.44" to N 40° 7' 37.62" W 103° 7' 8.17"	
	VOR: TXC	Available from N 40° 7' 27.87" W 103° 8' 9.44" to N 40° 7' 37.62" W 103° 7' 8.17"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation (Ft)	Frequency	Replaces	Status
1	GLD	N 39° 23' 16.30" W 101° 41' 32.30" E 12	H	3650.0	115.10	GLD	Used
	ESV:	Bearing [True]: 302.0° to 16.0° Bearing [Mag]: 290.0° to 4.0°			Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18200.0 Ft.		
2	HCT	N 40° 27' 14.62" W 100° 55' 24.66" E 11	H	3010.0	117.70	HCT	Used
	ESV:	Bearing [True]: 240.0° to 267.0° Bearing [Mag]: 229.0° to 256.0°			Arc Distance: Out to 73.0 NM Altitude: 14000.0 to 17600.0 Ft.		
3	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H	4300.0	115.90	SNY	Used
	ESV:	Bearing [True]: 139.0° to 194.0° Bearing [Mag]: 126.0° to 181.0°			Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18800.0 Ft.		
4	AKO	N 40° 9' 19.99" W 103° 10' 46.98" E 13	H	4622.8	114.40	AKO	Used
	ESV:	Bearing [True]: 73.0° to 88.0° Bearing [Mag]: 60.0° to 75.0°			Arc Distance: Out to 66.0 NM Altitude: 14000.0 to 19200.0 Ft.		
	ESV:	Bearing [True]: 155.0° to 255.0° Bearing [Mag]: 142.0° to 242.0°			Arc Distance: Out to 65.0 NM Altitude: 14000.0 to 30000.0 Ft.		
5	SAE	N 41° 7' 8.77" W 101° 46' 33.80" E 11	T	3279.7	110.20	SAE	Used
	Restriction:	Bearing [True]: 261.0° to 41.0° Bearing [Mag]: 270.0° to 30.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
	ESV:	Bearing [True]: 153.0° to 180.0° Bearing [Mag]: 142.0° to 169.0°			Arc Distance: Out to 75.0 NM Altitude: 10000.0 to 23000.0 Ft.		
6	HLC	N 39° 15' 31.49" W 100° 13' 33.06" E 8	H	2690.0	113.70	HLC	Not Used
	ESV:	Bearing [True]: 305.0° to 325.0° Bearing [Mag]: 297.0° to 317.0°			Arc Distance: Out to 100.0 NM Altitude: 15000.0 to 28000.0 Ft.		
7	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H	5233.0	112.10	HGO	Used
	ESV:	Bearing [True]: 338.0° to 356.0° Bearing [Mag]: 326.0° to 346.0°			Arc Distance: Out to 64.0 NM Altitude: 14000.0 to 31000.0 Ft.		
	ESV:	Bearing [True]: 10.0° to 22.0° Bearing [Mag]: 356.0° to 10.0°			Arc Distance: Out to 92.0 NM Altitude: 14000.0 to 30000.0 Ft.		
8	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	4900.0	114.20	GLL	Used
	ESV:	Bearing [True]: 142.0° to 167.0° Bearing [Mag]: 129.0° to 154.0°			Arc Distance: Out to 60.0 NM Altitude: 8000.0 to 23000.0 Ft.		

DME/DME (Continued.)

Return To Summary

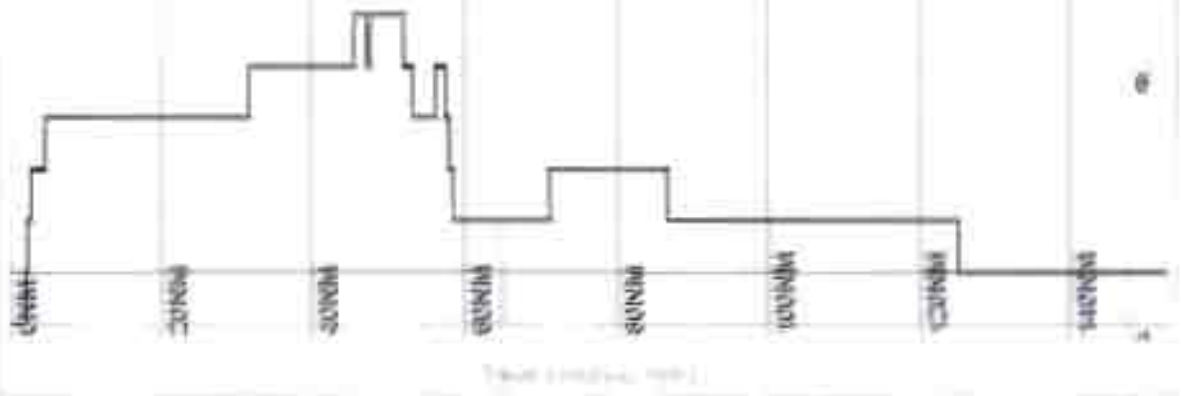
User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces	Status
9	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
	Restriction	Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°		Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft			
	ESV	Bearing [True]: 80.0° to 106.0° Bearing [Mag]: 69.0° to 97.0°		Arc Distance: Out to 63.0 NM Altitude: 14000.0 to 31000.0 Ft			
10	DEN	N 39° 48' 45.00" W 104° 39' 38.70" E 8	H	5440.0	117.90	DEN	Used
11	DVV	N 39° 53' 40.90" W 104° 37' 27.60" E 8	H	5270.0	114.70	DVV	Used
12	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H	5780.0	116.30	FQF	Used
	Restriction	Bearing [True]: 79.0° to 99.0° Bearing [Mag]: 68.0° to 88.0°		Distance: Beyond 10.0 NM Altitude: Below 11500.0 Ft			
	ESV	Bearing [True]: 64.0° to 74.0° Bearing [Mag]: 53.0° to 63.0°		Arc Distance: Out to 74.0 NM Altitude: 14000.0 to 30000.0 Ft			

Radar Analysis

Return To Summary

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



Name:	Martha DUnn
Project Name:	KDEN
Output File:	KDEN EEONS1 SID RW16L LUPTN 20120827_0901
Procedure Name:	EEONS1
Software:	RNAV-Pro™
Version:	2.36v
Date/Time:	8/27/2012 9:01:53 AM
Input File:	KDEN EEONS1 16L LUPTN GISTT7000.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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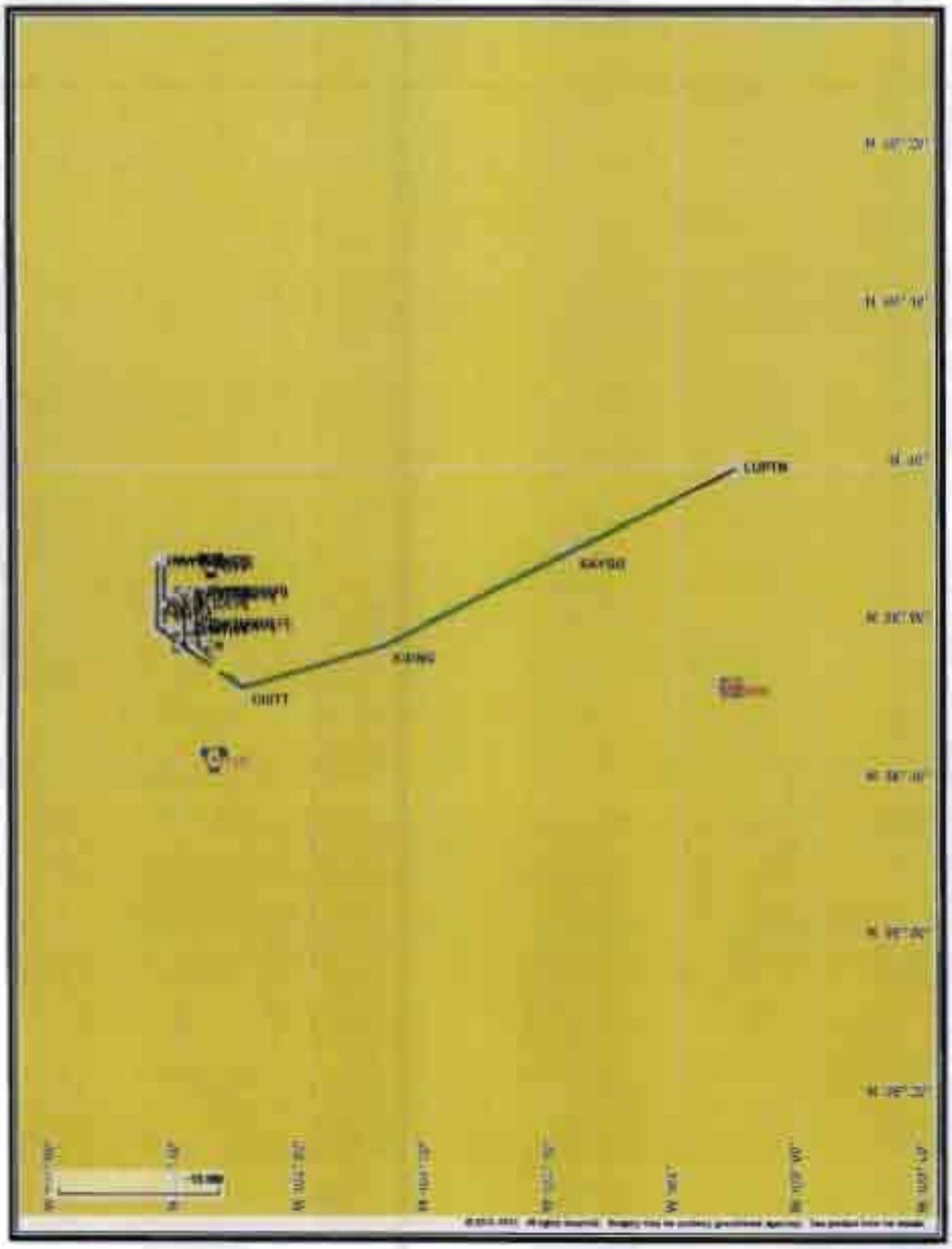

LUPTN
KAYGO
KIDNG
OIITT

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW16L(	WP	N 39° 53' 49.33" W 104° 41' 12.50"	5347.0	VNAV	0.0	Fly By	TF
RW34R(	WP	N 39° 51' 50.78" W 104° 41' 13.88"	5385.6	VNAV	130.0	Fly Over	VI
GH16L	WP	N 39° 49' 27.03" W 104° 41' 15.53"	5934.0	VNAV	145.0	Fly By	CF - 126.0°
GISTT	WP	N 39° 45' 57.50" W 104° 35' 1.10"	7000.0	VNAV	180.0	Fly By	TF
KIDNG	WP	N 39° 48' 37.67" W 104° 23' 39.58"	9717.0	VNAV	180.0	Fly By	TF
KAYGG	WP	N 39° 54' 36.80" W 104° 8' 44.77"	12889.0	VNAV	210.0	Fly By	TF
LUPTN	WP	N 39° 59' 50.43" W 103° 55' 21.77"	14000.0	VNAV	210.0	Fly Over	TF

Climb Gradient: 245.0 Ft/NM up to 14000.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Runway Departure
Selected Airport: KDEN
Aircraft Category: Cat D
Climb Gradient: 245.0 Ft/NM up to 14000.0 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 GISTT too high

Flight Track comes into contact with terrain. Minimum AGL along route was -43.00 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: 6617 Ft.

Total Number of DMEs Used: 5

Maximum DME Error: 0.693 NM

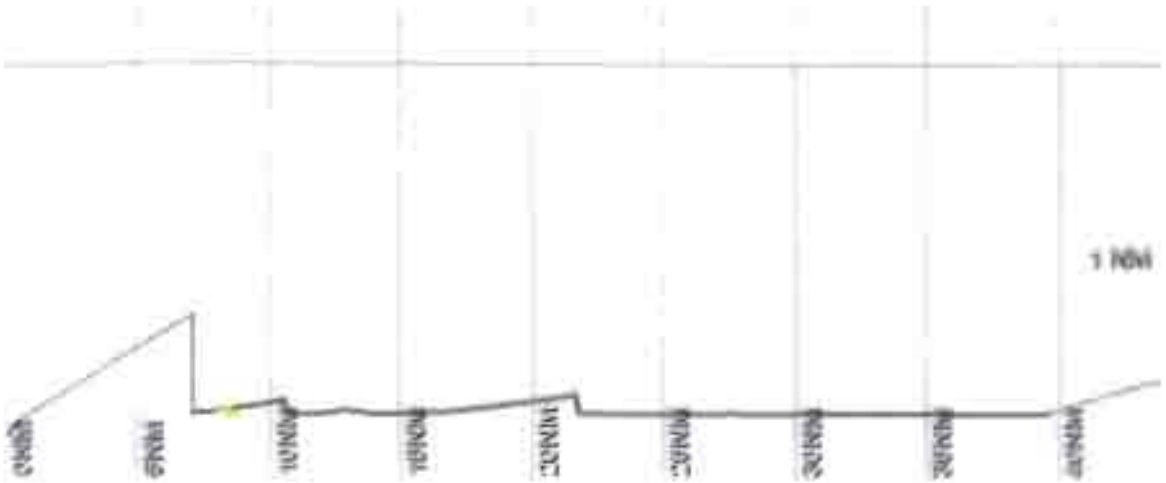
No Critical DMEs were found

Available DMEs: DVV, FQF, BJC, DEN, GLL, AKO

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H + ESV	User	NO	0.923	Enabled	12.3 %	8.6 %
2	DVV	N 39° 53' 40.88" W 104° 37' 27.61" E 11	H	Database	NO	0.923	Enabled	27.5 %	26.8 %
3	FQF	N 39° 41' 24.52" W 104° 37' 15.50" E 11	H + ESV	User	NO	0.781	Enabled	46.3 %	53.7 %
4	DEN	N 39° 48' 45.05" W 104° 39' 38.66" E 11	H	Database	NO	0.692	Enabled	17.4 %	18.3 %
5	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H + ESV	User	NO	0.990	Enabled	36.5 %	40.8 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.0	FQF	DVV				
4.1	FQF	DVV	BJC	DEN		
10.0	FQF	DVV	BJC	DEN		
19.0	FQF	DVV	BJC	DEN	GLL	
32.3	FQF	DVV	BJC	DEN	GLL	AKO

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 39° 53' 49.33" W 104° 41' 12.50"	N 39° 47' 51.52" W 104° 38' 27.98"	7.6

VOR: BJC	Available from N 39° 53' 49.33" W 104° 41' 12.50" to N 39° 47' 51.52" W 104° 38' 27.98"
VOR: BVR	Available from N 39° 53' 49.33" W 104° 41' 12.50" to N 39° 47' 51.52" W 104° 38' 27.98"
VOR: DEN	Available from N 39° 53' 49.33" W 104° 41' 12.50" to N 39° 47' 51.52" W 104° 38' 27.98"
VOR: DVV	Available from N 39° 53' 49.33" W 104° 41' 12.50" to N 39° 47' 51.52" W 104° 38' 27.98"
VOR: FQF	Available from N 39° 53' 49.33" W 104° 41' 12.50" to N 39° 47' 51.52" W 104° 38' 27.98"
VOR: GLL	Available from N 39° 53' 49.33" W 104° 41' 12.50" to N 39° 50' 41.60" W 104° 41' 14.67"

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length (NM)
2	N 39° 57' 54.33" W 104° 0' 19.95"	N 39° 59' 50.03" W 103° 55' 22.81"	4.3
	VOR: AKO	Available from N 39° 57' 54.33" W 104° 0' 19.95" to N 39° 59' 50.03" W 103° 55' 22.81"	
	VOR: BVR	Available from N 39° 57' 54.33" W 104° 0' 19.95" to N 39° 59' 50.03" W 103° 55' 22.81"	
	VOR: DEN	Available from N 39° 57' 54.33" W 104° 0' 19.95" to N 39° 59' 50.03" W 103° 55' 22.81"	
	VOR: DVV	Available from N 39° 57' 54.33" W 104° 0' 19.95" to N 39° 59' 50.03" W 103° 55' 22.81"	
	VOR: FQF	Available from N 39° 57' 54.33" W 104° 0' 19.95" to N 39° 59' 50.03" W 103° 55' 22.81"	
	VOR: TXC	Available from N 39° 57' 54.33" W 104° 0' 19.95" to N 39° 59' 50.03" W 103° 55' 22.81"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	GLD	N 39° 23' 16.30" W 101° 41' 32.30" E 12	H	3650.0	115.10	GLD	Not Used
		ESV Bearing [True]: 302.0° to 15.0° Bearing [Mag]: 290.0° to 4.0°		Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18200.0 Ft.			
2	HCT	N 40° 27' 14.62" W 100° 55' 24.56" E 11	H	3010.0	117.70	HCT	Not Used
		ESV Bearing [True]: 240.0° to 287.0° Bearing [Mag]: 229.0° to 256.0°		Arc Distance: Out to 73.0 NM Altitude: 14000.0 to 17600.0 Ft.			
3	SNY	N 41° 5' 48.00" W 102° 58' 56.80" E 13	H	4300.0	115.90	SNY	Not Used
		ESV Bearing [True]: 139.0° to 194.0° Bearing [Mag]: 126.0° to 181.0°		Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18800.0 Ft.			
4	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	4622.8	114.40	AKO	Not Used
		ESV Bearing [True]: 73.0° to 88.0° Bearing [Mag]: 60.0° to 75.0°		Arc Distance: Out to 66.0 NM Altitude: 14000.0 to 19200.0 Ft.			
		ESV Bearing [True]: 155.0° to 255.0° Bearing [Mag]: 142.0° to 242.0°		Arc Distance: Out to 85.0 NM Altitude: 14000.0 to 30000.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	SAE	N 41° 7' 8.77" W 101° 46' 33.80" E 11	T	3279.7	110.20	SAE	Not Used
	Restriction	Bearing [True]: 281.0° to 41.0° Bearing [Mag]: 270.0° to 30.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
	ESV	Bearing [True]: 153.0° to 180.0° Bearing [Mag]: 142.0° to 169.0°			Arc Distance: Out to 75.0 NM Altitude: 10000.0 to 23000.0 Ft.		
6	HLC	N 39° 15' 31.48" W 100° 13' 33.08" E 8	H	2690.0	113.70	HLC	Not Used
	ESV	Bearing [True]: 305.0° to 325.0° Bearing [Mag]: 297.0° to 317.0°			Arc Distance: Out to 100.0 NM Altitude: 15000.0 to 28000.0 Ft.		
7	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H	5233.0	112.12	HGO	Not Used
	ESV	Bearing [True]: 338.0° to 358.0° Bearing [Mag]: 326.0° to 346.0°			Arc Distance: Out to 64.0 NM Altitude: 14000.0 to 31000.0 Ft.		
	ESV	Bearing [True]: 10.0° to 22.0° Bearing [Mag]: 358.0° to 10.0°			Arc Distance: Out to 92.0 NM Altitude: 14000.0 to 30000.0 Ft.		
8	GLL	N 40° 30' 13.93" W 104° 33' 10.66" E 13	H	4900.0	114.20	GLL	Used
	ESV	Bearing [True]: 142.0° to 167.0° Bearing [Mag]: 129.0° to 154.0°			Arc Distance: Out to 60.0 NM Altitude: 8000.0 to 23000.0 Ft.		
9	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
	Restriction	Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
	ESV	Bearing [True]: 80.0° to 108.0° Bearing [Mag]: 69.0° to 97.0°			Arc Distance: Out to 63.0 NM Altitude: 14000.0 to 31000.0 Ft.		
10	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H	5780.0	116.30	FQF	Used
	Restriction	Bearing [True]: 79.0° to 99.0° Bearing [Mag]: 68.0° to 88.0°			Distance: Beyond 10.0 NM Altitude: Below 11500.0 Ft.		
	ESV	Bearing [True]: 64.0° to 74.0° Bearing [Mag]: 53.0° to 63.0°			Arc Distance: Out to 74.0 NM Altitude: 14000.0 to 30000.0 Ft.		

Radar Analysis

Return To Summary

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

Name:	Martha DUnn
Project Name:	KDEN
Output File:	KDEN EEONS1 SID RW16R LUPTN 20120827_0902
Procedure Name:	EEONS1
Software:	RNAV-Pro™
Version:	2.36v
Date/Time:	8/27/2012 9:02:58 AM
Input File:	KDEN EEONS1 16R LUPTN GISTT7000.txt
Databases:	AVNIS Date: 02/07/2012 Obstacle Date: 08/25/2011 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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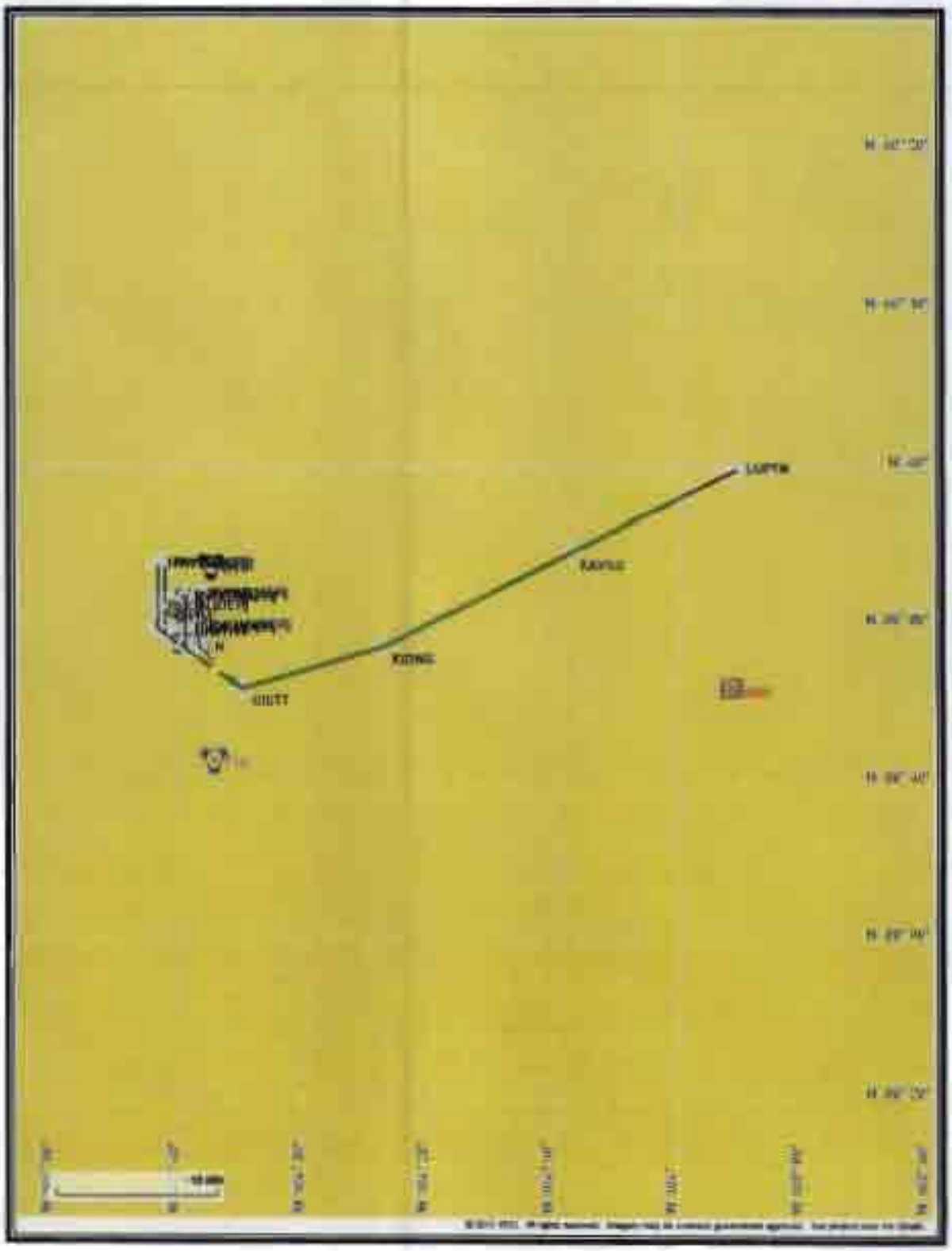

LUPTN
KAYLO
KIDNG
GIUTT

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW16R(...	WP	N 39° 53' 44.67" W 104° 41' 45.90"	5321.7	VNAV	0.0	Fly By	TF
RW34L(...	WP	N 39° 51' 6.79" W 104° 41' 47.72"	5361.8	VNAV	130.0	Fly Over	VI
GH16R	WP	N 39° 49' 45.55" W 104° 41' 48.66"	5934.0	VNAV	145.0	Fly By	CF - 126.0°
GISTT	WP	N 39° 45' 57.50" W 104° 35' 1.10"	7000.0	VNAV	180.0	Fly By	TF
KIDNG	WP	N 39° 48' 37.67" W 104° 23' 39.58"	9761.0	VNAV	180.0	Fly By	TF
KAYGG	WP	N 39° 54' 36.80" W 104° 8' 44.77"	12934.0	VNAV	210.0	Fly By	TF
LUPTN	WP	N 39° 59' 50.43" W 103° 55' 21.77"	14000.0	VNAV	210.0	Fly Over	TF

Climb Gradient:

Table

450.0 Ft/NM up to **4934.0 Ft MSL**
245.0 Ft/NM up to **14000.0 Ft MSL**

Flyability

Return To Summary

Settings:

Flight Type: Runway Departure
Selected Airport: KDEN
Aircraft Category: Cat D
Climb Gradient:

Table:
450.0 Ft/NM up to **4934.0 Ft MSL**
245.0 Ft/NM up to **14000.0 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 GISTT too high

Aircraft ALTITUDE at Fly-By WP KIDNG too low

Aircraft ALTITUDE at Fly-By WP KAYGG too low

Flight Track comes into contact with terrain. Minimum AGL along route was -65.19 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: 6465 Ft

Total Number of DMEs Used: 5

Maximum DME Error: 0.701 NM

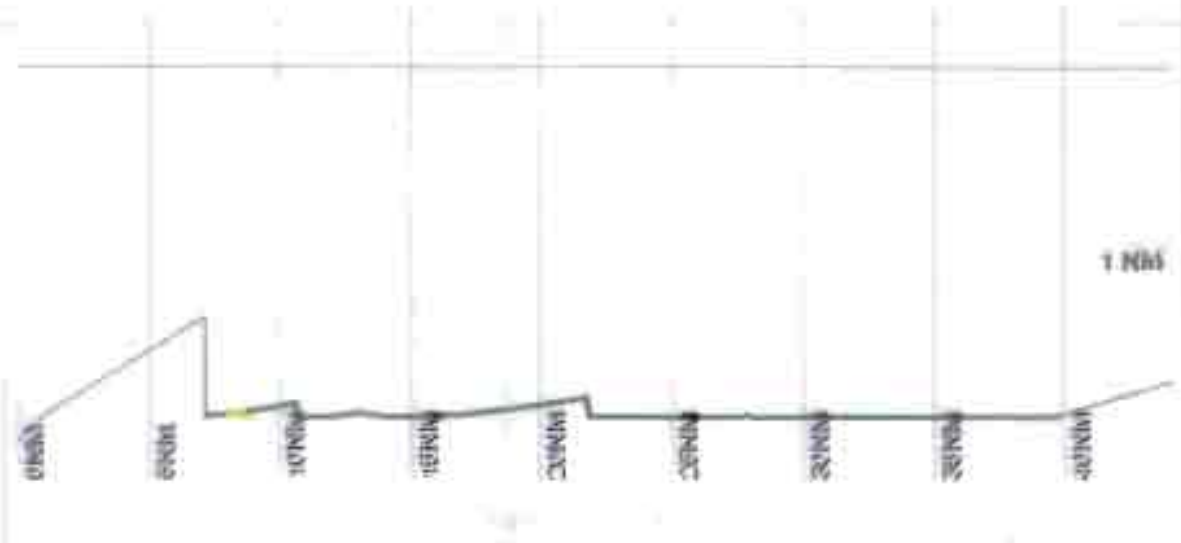
No Critical DMEs were found

Available DMEs: FQF, BJC, DVV, DEN, GLL, AKO

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BJC	N 39° 54' 46.87" W 105° 6' 20.47" E 11	H + ESV	User	NO	0.932	Enabled	12.2 %	6.6 %
2	DVV	N 39° 53' 40.88" W 104° 37' 27.61" E 11	H	Database	NO	0.932	Enabled	27.4 %	26.7 %
3	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H + ESV	User	NO	0.785	Enabled	46.5 %	53.6 %
4	DEN	N 39° 48' 45.05" W 104° 39' 38.66" E 11	H	Database	NO	0.701	Enabled	17.6 %	18.3 %
5	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H + ESV	User	NO	0.989	Enabled	30.3 %	40.7 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.7						
3.7	FQF	BJC	DVV	DEN		
10.1	FQF	BJC	DVV	DEN		
19.2	FQF	BJC	DVV	DEN	GLL	
32.5	FQF	BJC	DVV	DEN	GLL	AKO

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 39° 53' 44.87" W 104° 41' 45.90"	N 39° 47' 51.98" W 104° 38' 28.45"	7.2

VOR: BJC	Available from N 39° 53' 44.87" W 104° 41' 45.90" to N 39° 47' 51.98" W 104° 38' 28.45"
VOR: BVR	Available from N 39° 53' 44.87" W 104° 41' 45.90" to N 39° 47' 51.98" W 104° 38' 28.45"
VOR: DEN	Available from N 39° 53' 44.87" W 104° 41' 45.90" to N 39° 47' 51.98" W 104° 38' 28.45"
VOR: DVV	Available from N 39° 53' 44.87" W 104° 41' 45.90" to N 39° 47' 51.98" W 104° 38' 28.45"
VOR: FQF	Available from N 39° 53' 44.87" W 104° 41' 45.90" to N 39° 47' 51.98" W 104° 38' 28.45"
VOR: GLL	Available from N 39° 53' 44.87" W 104° 41' 45.90" to N 39° 50' 45.38" W 104° 41' 47.96"

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 39° 57' 53.78" W 104° 0' 21.36"	N 39° 59' 49.48" W 103° 55' 24.23"	4.3

VOR: AKO	Available from N 39° 57' 53.78" W 104° 0' 21.36" to N 39° 59' 49.48" W 103° 55' 24.23"
VOR: BVR	Available from N 39° 57' 53.78" W 104° 0' 21.36" to N 39° 59' 49.48" W 103° 55' 24.23"
VOR: DEN	Available from N 39° 57' 53.78" W 104° 0' 21.36" to N 39° 59' 49.48" W 103° 55' 24.23"
VOR: DVV	Available from N 39° 57' 53.78" W 104° 0' 21.36" to N 39° 59' 49.48" W 103° 55' 24.23"
VOR: FQF	Available from N 39° 57' 53.78" W 104° 0' 21.36" to N 39° 59' 49.48" W 103° 55' 24.23"
VOR: TXC	Available from N 39° 57' 53.78" W 104° 0' 21.36" to N 39° 59' 49.48" W 103° 55' 24.23"

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces	Status
1	GLD	N 39° 23' 18.30" W 101° 41' 32.30" E 12	H	3650.0	115.10	GLD	Not Used
		ESV Bearing [True]: 302.0° to 16.0° Bearing [Mag]: 290.0° to 4.0°			Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18200.0 Ft		
2	HCT	N 40° 27' 14.62" W 100° 55' 24.86" E 11	H	3010.0	117.70	HCT	Not Used
		ESV Bearing [True]: 240.0° to 267.0° Bearing [Mag]: 229.0° to 256.0°			Arc Distance: Out to 73.0 NM Altitude: 14000.0 to 17600.0 Ft		
3	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H	4300.0	115.90	SNY	Not Used
		ESV Bearing [True]: 139.0° to 194.0° Bearing [Mag]: 126.0° to 181.0°			Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18800.0 Ft		
4	AKO	N 40° 9' 19.09" W 103° 10' 46.98" E 13	H	4622.8	114.40	AKO	Not Used
		ESV Bearing [True]: 73.0° to 86.0° Bearing [Mag]: 60.0° to 75.0°			Arc Distance: Out to 66.0 NM Altitude: 14000.0 to 19200.0 Ft		
		ESV Bearing [True]: 155.0° to 255.0° Bearing [Mag]: 142.0° to 242.0°			Arc Distance: Out to 65.0 NM Altitude: 14000.0 to 30000.0 Ft		

DME/DME (Continued.)

Return To Summary

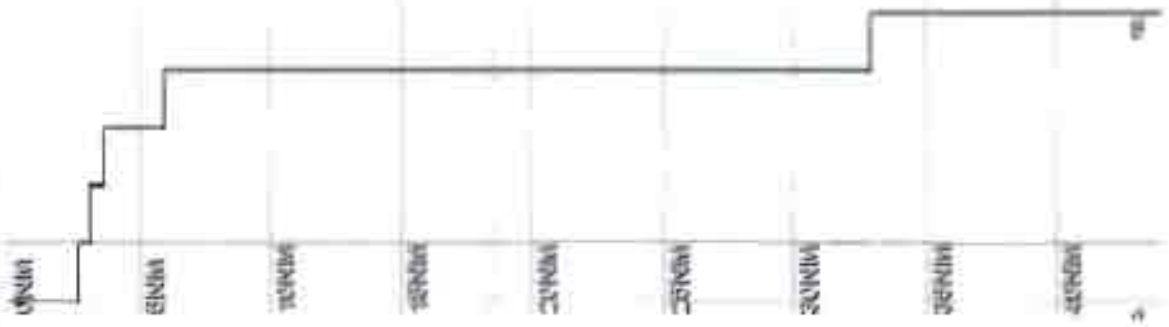
User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	SAE	N 41° 7' 8.77" W 101° 46' 33.80" E 11	T	3279.7	110.20	SAE	Not Used
	Restriction:	Bearing [True]: 281.0° to 41.0° Bearing [Mag]: 270.0° to 30.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft		
	ESV:	Bearing [True]: 153.0° to 180.0° Bearing [Mag]: 142.0° to 169.0°			Arc Distance: Out to 75.0 NM Altitude: 10000.0 to 23000.0 Ft		
6	HLC	N 39° 15' 31.49" W 100° 13' 33.06" E 8	H	2690.0	113.70	HLC	Not Used
	ESV:	Bearing [True]: 305.0° to 325.0° Bearing [Mag]: 297.0° to 317.0°			Arc Distance: Out to 100.0 NM Altitude: 15000.0 to 28000.0 Ft		
7	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H	5233.0	112.10	HGO	Not Used
	ESV	Bearing [True]: 338.0° to 358.0° Bearing [Mag]: 326.0° to 346.0°			Arc Distance: Out to 64.0 NM Altitude: 14000.0 to 31000.0 Ft		
	ESV	Bearing [True]: 10.0° to 22.0° Bearing [Mag]: 358.0° to 10.0°			Arc Distance: Out to 92.0 NM Altitude: 14000.0 to 30000.0 Ft		
8	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	4900.0	114.20	GLL	Used
	ESV	Bearing [True]: 142.0° to 167.0° Bearing [Mag]: 129.0° to 154.0°			Arc Distance: Out to 60.0 NM Altitude: 8000.0 to 23000.0 Ft		
9	BJC	N 39° 54' 46.87" W 105° 8' 20.41" E 11	H	5727.8	115.40	BJC	Used
	Restriction:	Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft		
	ESV:	Bearing [True]: 80.0° to 106.0° Bearing [Mag]: 69.0° to 97.0°			Arc Distance: Out to 63.0 NM Altitude: 14000.0 to 31000.0 Ft		
10	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H	5760.0	116.30	FQF	Used
	Restriction:	Bearing [True]: 79.0° to 99.0° Bearing [Mag]: 68.0° to 88.0°			Distance: Beyond 10.0 NM Altitude: Below 11500.0 Ft		
	ESV	Bearing [True]: 64.0° to 74.0° Bearing [Mag]: 53.0° to 63.0°			Arc Distance: Out to 74.0 NM Altitude: 14000.0 to 30000.0 Ft		

Radar Analysis

Return To Summary

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



Name:	Martha DUnn
Project Name:	KDEN
Output File:	KDEN EEONS1 SID RW17L LUPTN 20120827_0903
Procedure Name:	EEONS1
Software:	RNAV-Pro™
Version:	2.36v
Date/Time:	8/27/2012 9:03:56 AM
Input File:	KDEN EONNS1 17L LUPTN GIST7002.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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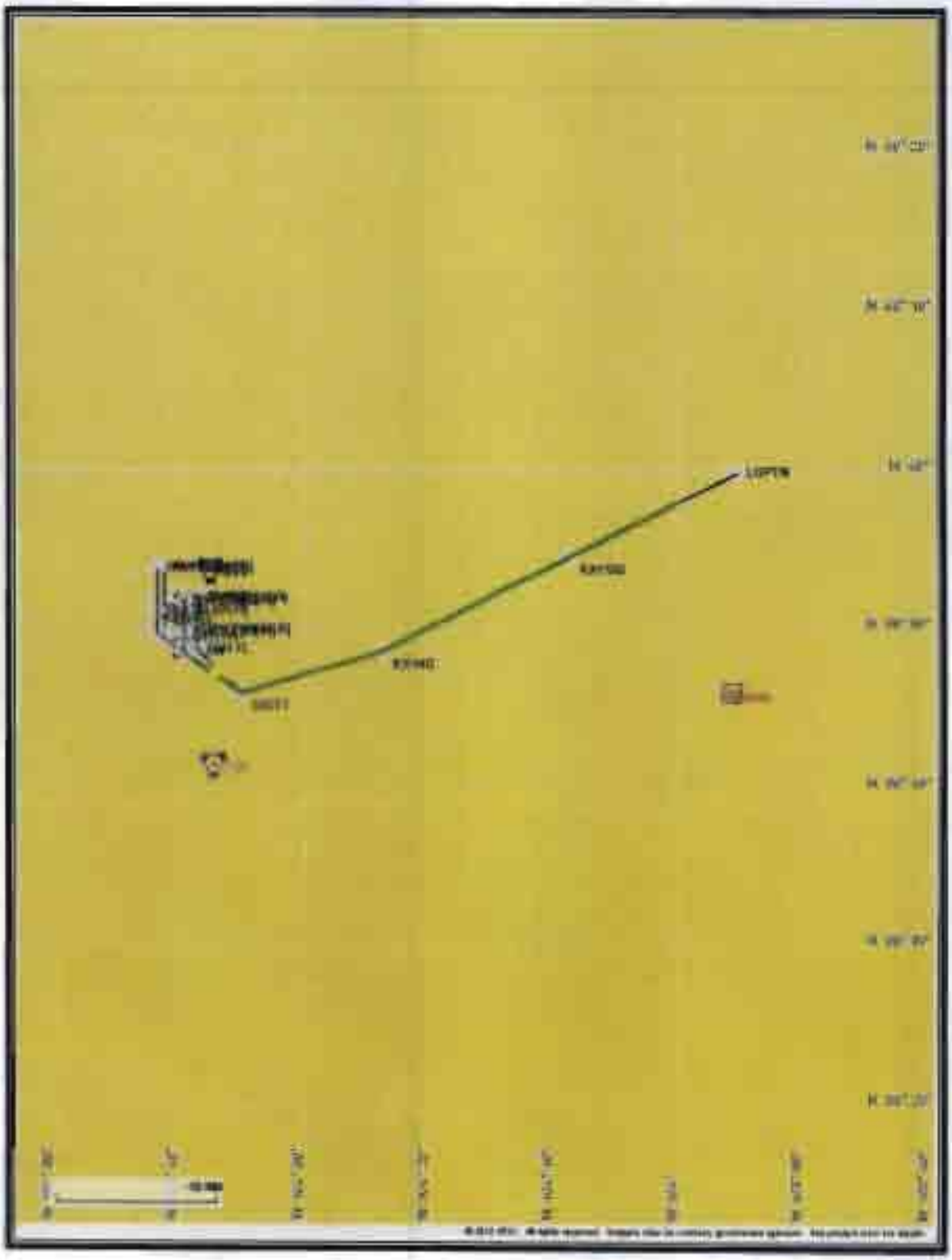

LUPTN

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW17L(	WP	N 39° 51' 53.83" W 104° 38' 28.70"	5324.8	VNAV	0.0	Fly By	TF
RW35R(	WP	N 39° 49' 55.27" W 104° 38' 30.16"	5401.7	VNAV	130.0	Fly Over	VI
GH17L	WP	N 39° 48' 42.15" W 104° 38' 31.04"	5934.0	VNAV	145.0	Fly By	CF - 135.5°
GISTT	WP	N 39° 45' 57.50" W 104° 35' 1.10"	7000.0	VNAV	180.0	Fly By	TF
KIDNG	WP	N 39° 48' 37.67" W 104° 23' 39.58"	9558.0	VNAV	180.0	Fly By	TF
KAYGG	WP	N 39° 54' 36.80" W 104° 8' 44.77"	12148.0	VNAV	210.0	Fly By	TF
LUPTN	WP	N 39° 59' 50.43" W 103° 55' 21.77"	14000.0	VNAV	210.0	Fly Over	TF

Climb Gradient:

Table

265.0 Ft/NM up to **5934.0 Ft MSL**

280.0 Ft/NM up to **14000.0 Ft MSL**

Flyability

Return To Summary

Settings:

Flight Type: Runway Departure
Selected Airport: KDEN
Aircraft Category: Cat D
Climb Gradient:
Table:
265.0 Ft/NM up to **5934.0 Ft MSL**
280.0 Ft/NM up to **14000.0 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 GISTT too low.

Aircraft ALTITUDE at Fly-By WP KIDNG too low.

Aircraft ALTITUDE at Fly-By WP KAYGG too high.

Flight Track comes into contact with terrain. Minimum AGL along route was -22.97 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: 6144 Ft.

Total Number of DMEs Used: 5

Maximum DME Error: 0.541 NM

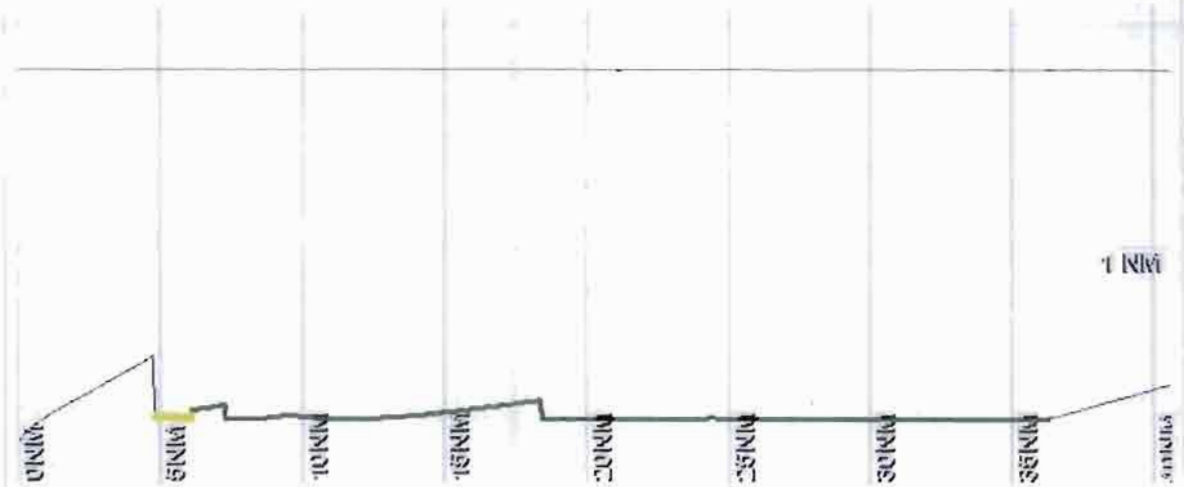
No Critical DMEs were found

Available DMEs: DVV, FQF, BJC, DEN, GLL, AKO

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H + ESV	User	NO	0.705	Enabled	9.5 %	6.7 %
2	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H + ESV	User	NO	0.854	Enabled	56.5 %	59.9 %
3	DVV	N 39° 53' 40.88" W 104° 37' 27.61" E 11	H	Database	NO	0.705	Enabled	27.8 %	24.8 %
4	DEN	N 39° 48' 45.05" W 104° 39' 38.66" E 11	H	Database	NO	0.541	Enabled	19.1 %	19.8 %
5	GLL	N 40° 30' 13.93" W 104° 33' 10.66" E 13	H + ESV	User	NO	0.989	Enabled	32.7 %	44.0 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.0	DVV					
3.0	DVV	BJC	FQF	DEN		
6.7	DVV	BJC	FQF	DEN		
15.8	DVV	BJC	FQF	DEN	GLL	
29.0	DVV	BJC	FQF	DEN	GLL	AKO

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 39° 51' 53.83" W 104° 38' 28.70"	N 39° 47' 33.82" W 104° 37' 6.25"	4.8

VOR: BJC	Available from N 39° 51' 53.83" W 104° 38' 28.70" to N 39° 47' 33.82" W 104° 37' 6.25"
VOR: BVR	Available from N 39° 51' 53.83" W 104° 38' 28.70" to N 39° 47' 33.82" W 104° 37' 6.25"
VOR: DEN	Available from N 39° 51' 53.83" W 104° 38' 28.70" to N 39° 47' 33.82" W 104° 37' 6.25"
VOR: DVV	Available from N 39° 51' 53.83" W 104° 38' 28.70" to N 39° 47' 33.82" W 104° 37' 6.25"
VOR: FQF	Available from N 39° 51' 53.83" W 104° 38' 28.70" to N 39° 47' 33.82" W 104° 37' 6.25"
VOR: GLL	Available from N 39° 51' 53.83" W 104° 38' 28.70" to N 39° 50' 26.34" W 104° 38' 29.78"

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 39° 57' 53.91" W 104° 0' 21.04"	N 39° 59' 49.61" W 103° 55' 23.90"	4.3
	VOR: AKO	Available from N 39° 57' 53.91" W 104° 0' 21.04" to N 39° 59' 49.61" W 103° 55' 23.90"	
	VOR: BVR	Available from N 39° 57' 53.91" W 104° 0' 21.04" to N 39° 59' 49.61" W 103° 55' 23.90"	
	VOR: DEN	Available from N 39° 57' 53.91" W 104° 0' 21.04" to N 39° 59' 49.61" W 103° 55' 23.90"	
	VOR: DVV	Available from N 39° 57' 53.91" W 104° 0' 21.04" to N 39° 59' 49.61" W 103° 55' 23.90"	
	VOR: FQF	Available from N 39° 57' 53.91" W 104° 0' 21.04" to N 39° 59' 49.61" W 103° 55' 23.90"	
	VOR: TXC	Available from N 39° 57' 53.91" W 104° 0' 21.04" to N 39° 59' 49.61" W 103° 55' 23.90"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces	Status
1	GLD	N 39° 23' 16.30" W 101° 41' 32.30" E 12	H	3650.0	115.10	GLD	Not Used
		ESV Bearing [True]: 302.0° to 16.0° Bearing [Mag]: 290.0° to 4.0°		Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18200.0 Ft.			
2	HCT	N 40° 27' 14.62" W 100° 55' 24.86" E 11	H	3010.0	117.70	HCT	Not Used
		ESV Bearing [True]: 240.0° to 267.0° Bearing [Mag]: 229.0° to 256.0°		Arc Distance: Out to 73.0 NM Altitude: 14000.0 to 17600.0 Ft.			
3	SNY	N 41° 5' 48.00" W 102° 56' 58.80" E 13	H	4300.0	115.90	SNY	Not Used
		ESV Bearing [True]: 139.0° to 194.0° Bearing [Mag]: 126.0° to 181.0°		Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18600.0 Ft.			
4	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	4522.8	114.40	AKO	Not Used
		ESV Bearing [True]: 73.0° to 88.0° Bearing [Mag]: 60.0° to 76.0°		Arc Distance: Out to 66.0 NM Altitude: 14000.0 to 19200.0 Ft.			
		ESV Bearing [True]: 155.0° to 255.0° Bearing [Mag]: 142.0° to 242.0°		Arc Distance: Out to 65.0 NM Altitude: 14000.0 to 30000.0 Ft.			

DME/DME (Continued.)

Return To Summary

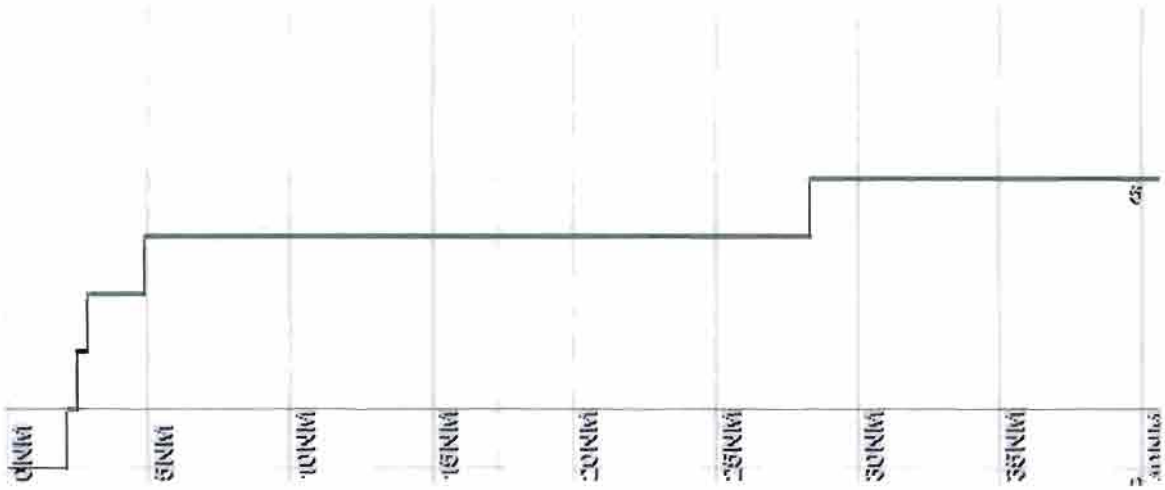
User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	SAE	N 41° 7' 8.77" W 101° 46' 33.80" E 11	T	3279.7	110.20	SAE	Not Used
	Restriction	Bearing [True]: 281.0° to 41.0° Bearing [Mag]: 270.0° to 30.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft		
	ESV	Bearing [True]: 153.0° to 180.0° Bearing [Mag]: 142.0° to 169.0°			Arc Distance: Out to 75.0 NM Altitude: 10000.0 to 23000.0 Ft		
6	HLC	N 39° 15' 31.49" W 100° 13' 33.06" E 8	H	2690.0	113.70	HLC	Not Used
	ESV	Bearing [True]: 305.0° to 325.0° Bearing [Mag]: 297.0° to 317.0°			Arc Distance: Out to 100.0 NM Altitude: 15000.0 to 28000.0 Ft		
7	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H	5233.0	112.10	HGO	Not Used
	ESV	Bearing [True]: 338.0° to 358.0° Bearing [Mag]: 326.0° to 346.0°			Arc Distance: Out to 64.0 NM Altitude: 14000.0 to 31000.0 Ft		
	ESV	Bearing [True]: 10.0° to 22.0° Bearing [Mag]: 358.0° to 10.0°			Arc Distance: Out to 92.0 NM Altitude: 14000.0 to 30000.0 Ft		
8	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	4600.0	114.20	GLL	Used
	ESV	Bearing [True]: 142.0° to 167.0° Bearing [Mag]: 129.0° to 154.0°			Arc Distance: Out to 60.0 NM Altitude: 8000.0 to 23000.0 Ft		
9	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
	Restriction	Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft		
	ESV	Bearing [True]: 80.0° to 108.0° Bearing [Mag]: 69.0° to 97.0°			Arc Distance: Out to 83.0 NM Altitude: 14000.0 to 31000.0 Ft		
10	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H	5780.0	116.30	FQF	Used
	Restriction	Bearing [True]: 79.0° to 99.0° Bearing [Mag]: 68.0° to 88.0°			Distance: Beyond 10.0 NM Altitude: Below 11500.0 Ft		
	ESV	Bearing [True]: 64.0° to 74.0° Bearing [Mag]: 53.0° to 63.0°			Arc Distance: Out to 74.0 NM Altitude: 14000.0 to 30000.0 Ft		

Radar Analysis

Return To Summary

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



Name:	Martha DUnn
Project Name:	KDEN
Output File:	KDEN EEONS1 SID RW17R LUPTN 20120827_0905
Procedure Name:	EEONS1
Software:	RNAV-Pro™
Version:	2.36v
Date/Time:	8/27/2012 9:05:00 AM
Input File:	KDEN EEONS1 17R LUPTN GISTT7000.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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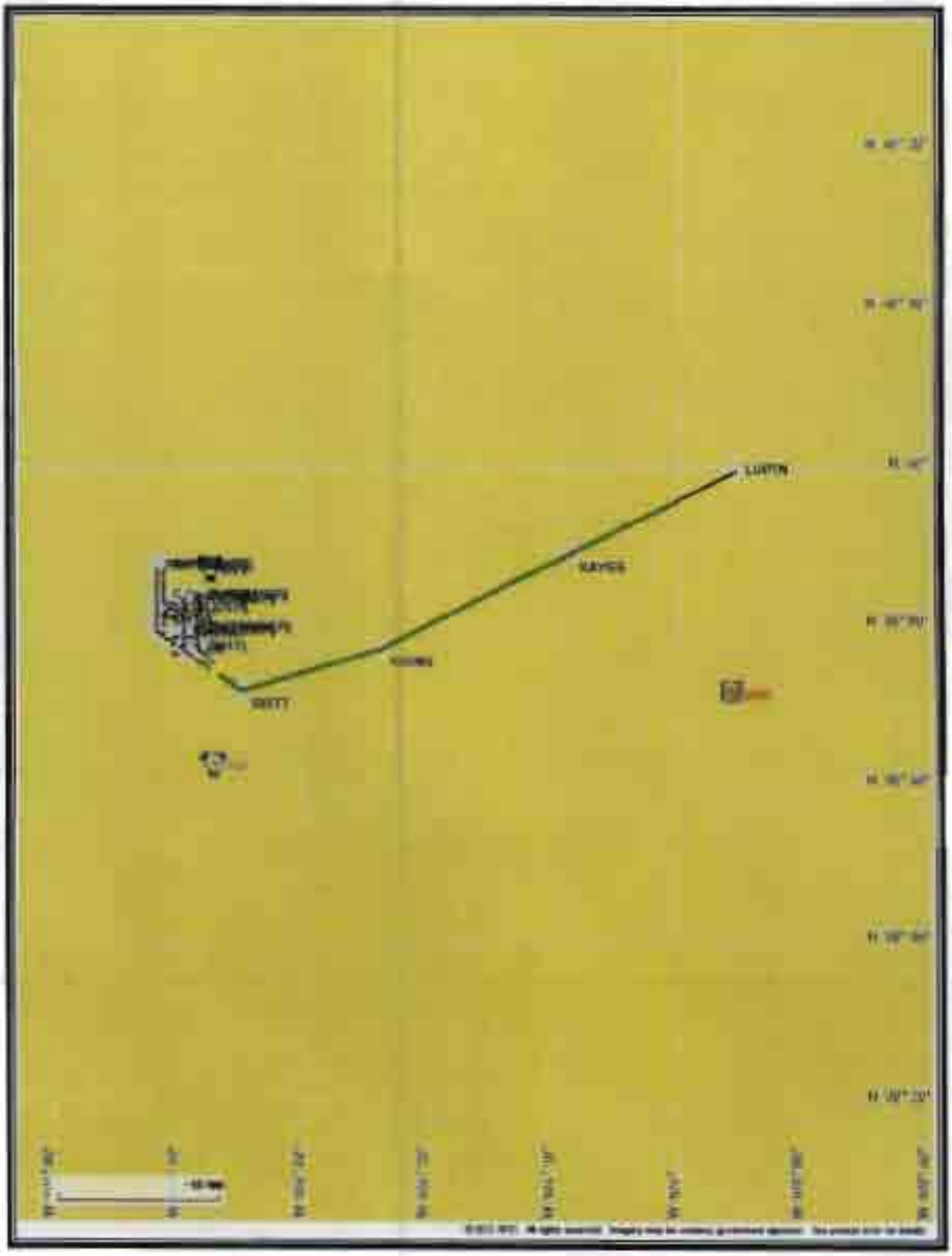

LUFTN
KAYOS

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW17R(	WP	N 39° 51' 40.48" W 104° 39' 36.56"	5374.4	VNAV	0.0	Fly By	TF
RW35L(	WP	N 39° 49' 41.93" W 104° 39' 37.99"	5465.5	VNAV	130.0	Fly Over	VI
GH17R	WP	N 39° 48' 32.96" W 104° 39' 38.81"	5934.0	VNAV	145.0	Fly By	CF - 126.0°
GISTT	WP	N 39° 45' 57.50" W 104° 35' 1.10"	7000.0	VNAV	180.0	Fly By	TF
KIDNG	WP	N 39° 48' 37.67" W 104° 23' 39.58"	9324.0	VNAV	180.0	Fly By	TF
KAYGG	WP	N 39° 54' 36.80" W 104° 8' 44.77"	12561.0	VNAV	210.0	Fly By	TF
LUPTN	WP	N 39° 59' 50.43" W 103° 55' 21.77"	14000.0	VNAV	210.0	Fly Over	TF

Climb Gradient:

Table

465.0 Ft/NM up to **5934.0 Ft MSL**
250.0 Ft/NM up to **14000.0 Ft MSL**

Flyability

Return To Summary

Settings:

Flight Type: Runway Departure
Selected Airport: KDEN
Aircraft Category: Cat D
Climb Gradient:
Table
465.0 Ft/NM up to **5934.0 Ft MSL**
250.0 Ft/NM up to **14000.0 Ft MSL**
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -45.55 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER

DME/DME

Return To Summary

Settings:

RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 5905 Ft

Total Number of DMEs Used: 5

Maximum DME Error: 0.614 NM

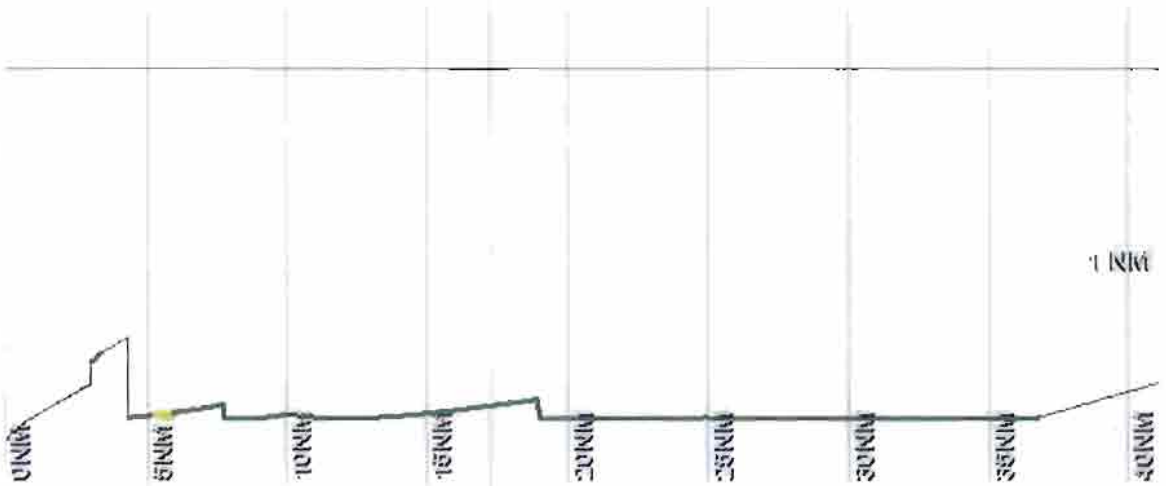
No Critical DMEs were found.

Available DMEs: FQF, DVV, BJC, DEN, GLL, AKO

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H + ESV	User	NO	0.839	Enabled	53.6 %	58.0 %
2	DVV	N 39° 53' 40.88" W 104° 37' 27.61" E 11	H	Database	NO	0.736	Enabled	33.8 %	29.6 %
3	BJC	N 39° 54' 48.87" W 105° 8' 20.47" E 11	H + ESV	User	NO	0.845	Enabled	13.0 %	9.2 %
4	DEN	N 39° 48' 45.05" W 104° 39' 38.66" E 11	H	Database	NO	0.614	Enabled	19.2 %	19.7 %
5	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H + ESV	User	NO	0.988	Enabled	32.5 %	43.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.0	FQF					
2.8	FQF	DVV	BJC	DEN		
7.2	FQF	DVV	BJC	DEN		
16.3	FQF	DVV	BJC	DEN	GLL	
29.5	FQF	DVV	BJC	DEN	GLL	AKO

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 39° 51' 40.48" W 104° 39' 36.56"	N 39° 48' 44.90" W 104° 39' 38.50"	2.9

VOR: BJC	Available from N 39° 51' 40.48" W 104° 39' 36.56" to N 39° 48' 44.90" W 104° 39' 38.50"
VOR: BVR	Available from N 39° 51' 40.48" W 104° 39' 36.56" to N 39° 48' 44.90" W 104° 39' 38.50"
VOR: DEN	Available from N 39° 51' 40.48" W 104° 39' 36.56" to N 39° 48' 44.90" W 104° 39' 38.50"
VOR: DVV	Available from N 39° 51' 40.48" W 104° 39' 36.56" to N 39° 48' 44.90" W 104° 39' 38.50"
VOR: FQF	Available from N 39° 51' 40.48" W 104° 39' 36.56" to N 39° 48' 44.90" W 104° 39' 38.50"
VOR: GLL	Available from N 39° 51' 40.48" W 104° 39' 36.56" to N 39° 50' 32.37" W 104° 39' 37.38"

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 39° 48' 24.89" W 104° 39' 28.11"	N 39° 47' 51.76" W 104° 38' 29.59"	0.9
	VOR: BJC	Available from N 39° 48' 24.89" W 104° 39' 28.11" to N 39° 47' 51.76" W 104° 38' 29.59"	
	VOR: BVR	Available from N 39° 48' 24.89" W 104° 39' 28.11" to N 39° 47' 51.76" W 104° 38' 29.59"	
	VOR: DEN	Available from N 39° 48' 24.89" W 104° 39' 28.11" to N 39° 47' 51.76" W 104° 38' 29.59"	
	VOR: DVV	Available from N 39° 48' 24.89" W 104° 39' 28.11" to N 39° 47' 51.76" W 104° 38' 29.59"	
	VOR: FQF	Available from N 39° 48' 24.89" W 104° 39' 28.11" to N 39° 47' 51.76" W 104° 38' 29.59"	
3	N 39° 57' 53.28" W 104° 0' 22.64"	N 39° 59' 48.98" W 103° 55' 25.51"	4.3
	VOR: AKO	Available from N 39° 57' 53.28" W 104° 0' 22.64" to N 39° 59' 48.98" W 103° 55' 25.51"	
	VOR: BVR	Available from N 39° 57' 53.28" W 104° 0' 22.64" to N 39° 59' 48.98" W 103° 55' 25.51"	
	VOR: DEN	Available from N 39° 57' 53.28" W 104° 0' 22.64" to N 39° 59' 48.98" W 103° 55' 25.51"	
	VOR: DVV	Available from N 39° 57' 53.28" W 104° 0' 22.64" to N 39° 59' 48.98" W 103° 55' 25.51"	
	VOR: FQF	Available from N 39° 57' 53.28" W 104° 0' 22.64" to N 39° 59' 48.98" W 103° 55' 25.51"	
	VOR: TXC	Available from N 39° 57' 53.28" W 104° 0' 22.64" to N 39° 59' 48.98" W 103° 55' 25.51"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces	Status
1	GLD	N 39° 23' 16.30" W 101° 41' 32.30" E 12	H	3650.0	115.10	GLD	Not Used

ESV Bearing [True]: 302.0° to 16.0°
Bearing [Mag]: 290.0° to 4.0°

Arc Distance: Out to 80.0 NM
Altitude: 14000.0 to 18200.0 Ft.

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
2	HCT	N 40° 27' 14.62" W 100° 55' 24.86" E 11	H	3010.0	117.70	HCT	Not Used
		ESV: Bearing [True]: 240.0° to 267.0° Bearing [Mag]: 229.0° to 256.0°			Arc Distance: Out to 73.0 NM Altitude: 14000.0 to 17800.0 Ft.		
3	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H	4300.0	115.90	SNY	Not Used
		ESV: Bearing [True]: 139.0° to 194.0° Bearing [Mag]: 126.0° to 181.0°			Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18800.0 Ft.		
4	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	4622.8	114.40	AKO	Not Used
		ESV: Bearing [True]: 73.0° to 88.0° Bearing [Mag]: 60.0° to 75.0°			Arc Distance: Out to 65.0 NM Altitude: 14000.0 to 19200.0 Ft.		
		ESV: Bearing [True]: 155.0° to 255.0° Bearing [Mag]: 142.0° to 242.0°			Arc Distance: Out to 65.0 NM Altitude: 14000.0 to 30000.0 Ft.		
5	SAE	N 41° 7' 8.77" W 101° 46' 33.60" E 11	T	3279.7	110.20	SAE	Not Used
		Restriction: Bearing [True]: 281.0° to 41.0° Bearing [Mag]: 270.0° to 30.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 153.0° to 180.0° Bearing [Mag]: 142.0° to 169.0°			Arc Distance: Out to 75.0 NM Altitude: 10000.0 to 23000.0 Ft.		
6	HLC	N 39° 15' 31.49" W 100° 13' 33.06" E 8	H	2690.0	113.70	HLC	Not Used
		ESV: Bearing [True]: 305.0° to 325.0° Bearing [Mag]: 297.0° to 317.0°			Arc Distance: Out to 100.0 NM Altitude: 15000.0 to 28000.0 Ft.		
7	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H	5233.0	112.10	HGO	Not Used
		ESV: Bearing [True]: 338.0° to 358.0° Bearing [Mag]: 326.0° to 346.0°			Arc Distance: Out to 64.0 NM Altitude: 14000.0 to 31000.0 Ft.		
		ESV: Bearing [True]: 10.0° to 22.0° Bearing [Mag]: 358.0° to 10.0°			Arc Distance: Out to 92.0 NM Altitude: 14000.0 to 30000.0 Ft.		
8	GLL	N 40° 30' 13.93" W 104° 33' 10.66" E 13	H	4900.0	114.20	GLL	Used
		ESV: Bearing [True]: 142.0° to 167.0° Bearing [Mag]: 129.0° to 154.0°			Arc Distance: Out to 60.0 NM Altitude: 8000.0 to 23000.0 Ft.		
9	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
		Restriction: Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 80.0° to 108.0° Bearing [Mag]: 69.0° to 97.0°			Arc Distance: Out to 63.0 NM Altitude: 14000.0 to 31000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation (Ft)	Frequency	Replaces:	Status
10	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H	5780.0	116.30	FQF	Used

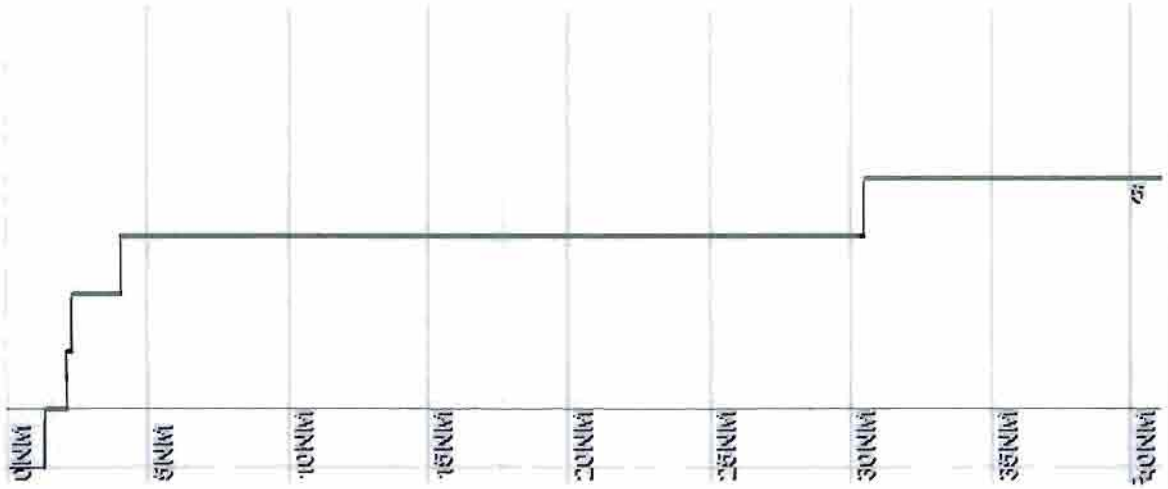
Restriction: Bearing [True]: 79.0° to 99.0°
Bearing [Mag]: 68.0° to 88.0°
Distance: Beyond 10.0 NM
Altitude: Below 11500.0 Ft

ESV: Bearing [True]: 64.0° to 74.0°
Bearing [Mag]: 53.0° to 63.0°
Arc Distance: Out to 74.0 NM
Altitude: 14000.0 to 30000.0 Ft

Radar Analysis

Return To Summary

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



Name:	Martha Dunn
Project Name:	KDEN
Output File:	KDEN EEONS1 SID RW34L LUPTN 20120817_1127
Procedure Name:	EEONS1
Software:	RNAV-Pro™
Version:	2.36v
Date/Time:	8/17/2012 11:27:01 AM
Input File:	EEONS RW34L LUPTN 20120214.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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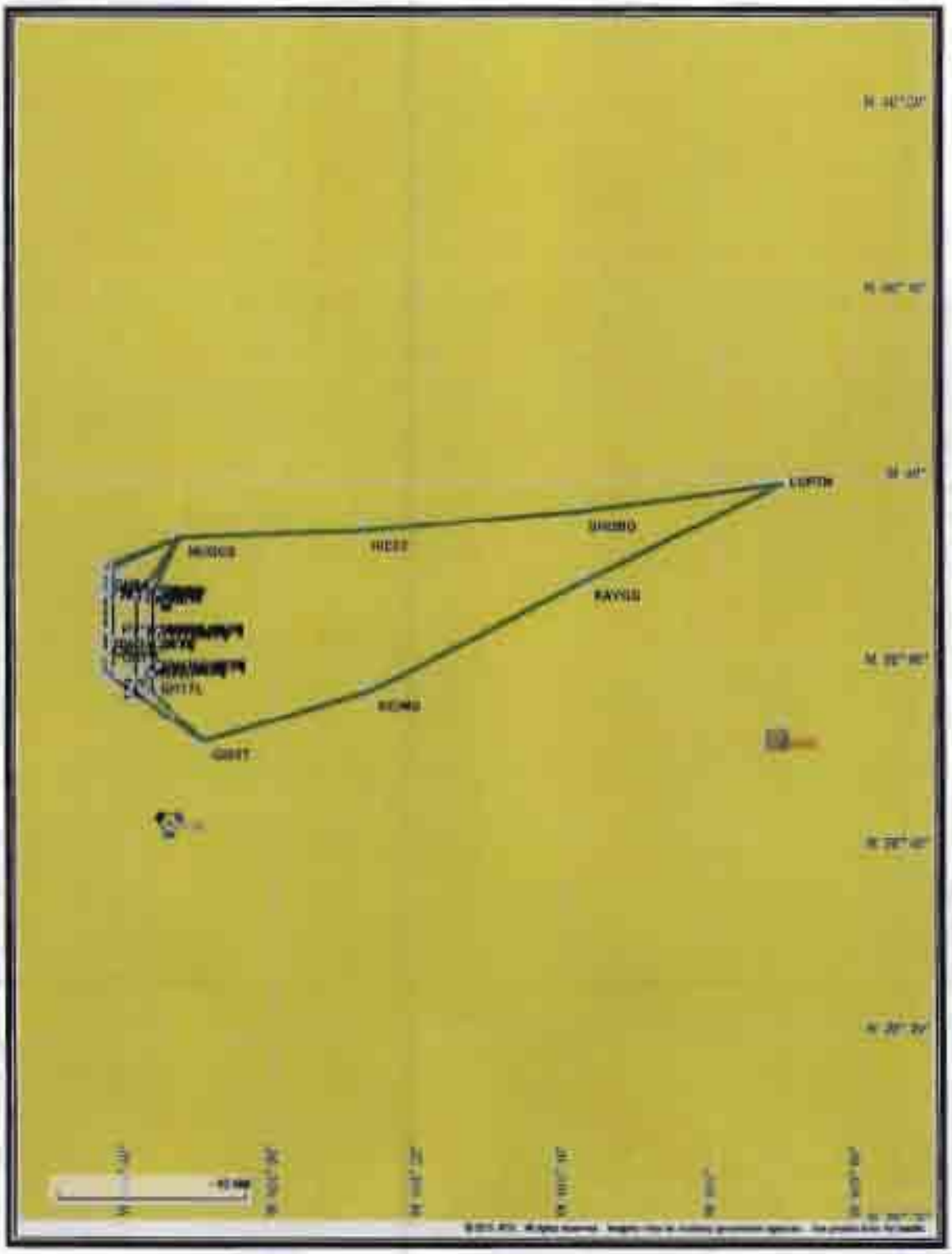

LUPTN
KAYGS

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW34L(...	WP	N 39° 51' 6.79" W 104° 41' 47.72"	5326.8	VNAV	0.0	Fly Over	TF
RW16R(...	WP	N 39° 53' 44.87" W 104° 41' 45.90"	5356.7	VNAV	130.0	Fly Over	VA
GH34L	WP	N 39° 55' 11.37" W 104° 41' 44.90"	5934.0	VNAV	145.0	Fly Over	DF
NUGGS	WP	N 39° 56' 55.57" W 104° 36' 38.33"	6944.0	VNAV	180.0	Fly By	TF
HIDEF	WP	N 39° 57' 17.16" W 104° 24' 5.90"	9163.0	VNAV	180.0	Fly By	TF
SHOBO	WP	N 39° 58' 19.97" W 104° 9' 11.53"	11810.0	VNAV	210.0	Fly By	TF
LUPTN	WP	N 39° 59' 50.43" W 103° 55' 21.77"	14000.0	VNAV	210.0	Fly Over	TF

Climb Gradient:

Table:

500.0 Ft/NM up to **5934.0 Ft MSL**

230.0 Ft/NM up to **14000.0 Ft MSL**

Flyability

Return To Summary

Settings:

Flight Type: Runway Departure
Selected Airport: KDEN
Aircraft Category: Cat D
Climb Gradient:

Table:
500.0 Ft/NM up to **5934.0 Ft MSL**
230.0 Ft/NM up to **14000.0 Ft MSL**

Ground Speeds:

Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -56.15 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: 6045 FL

Total Number of DMEs Used: 6

Maximum DME Error: 0.507 NM

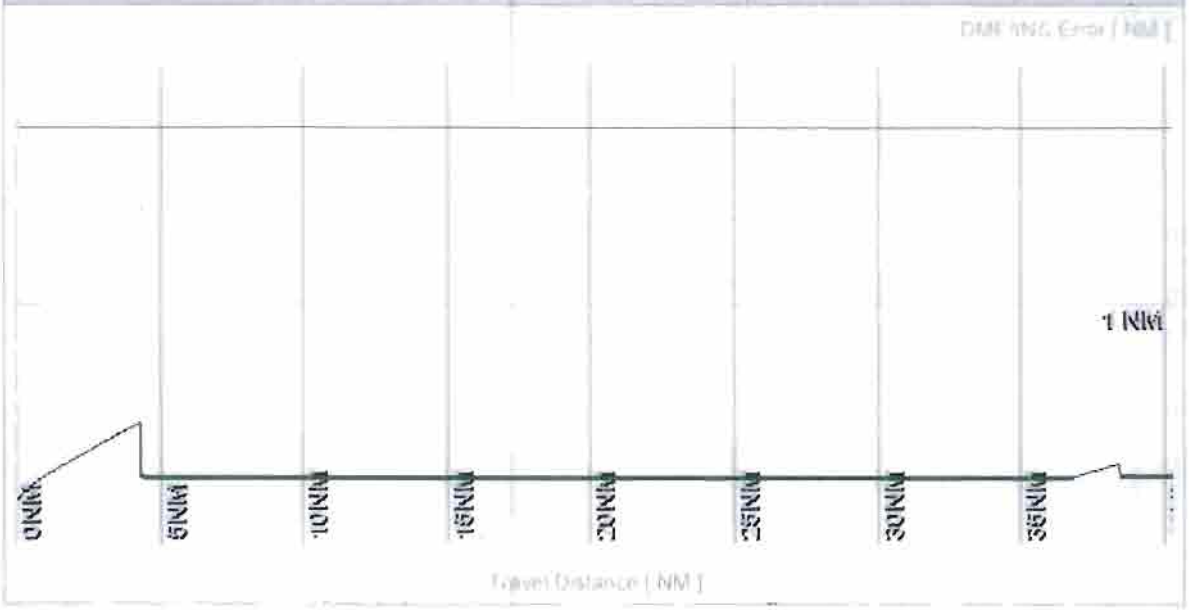
No Critical DMEs were found

Available DMEs: GLL, DEN, FQF, BJC, DVV, AKO, HGO, TXC

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H + ESV	User	NO	1.018	Enabled	41.0 %	33.9 %
2	DEN	N 39° 48' 45.00" W 104° 39' 38.70" E 8	H	User	NO	0.507	Enabled	17.4 %	19.4 %
3	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H + ESV	User	NO	0.507	Enabled	22.2 %	24.9 %
4	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H + ESV	User	NO	0.928	Enabled	60.3 %	69.1 %
5	DVV	N 39° 53' 40.90" W 104° 37' 27.60" E 8	H	User	NO	0.507	Enabled	14.8 %	18.6 %
6	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H + ESV	User	NO	0.507	Enabled	3.2 %	4.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.7						
3.8	DEN	BJC	FQF	GLL		
8.2	DEN	BJC	FQF	GLL	DVV	
17.9	DEN	BJC	FQF	GLL	DVV	
29.3	DEN	HGO	FQF	GLL	DVV	AKO

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 39° 51' 6.79" W 104° 41' 47.72"	N 39° 55' 20.67" W 104° 41' 35.60"	4.3
	VOR: BJC	Available from N 39° 51' 6.79" W 104° 41' 47.72" to N 39° 55' 20.67" W 104° 41' 35.60"	
	VOR: BVR	Available from N 39° 51' 6.79" W 104° 41' 47.72" to N 39° 55' 20.67" W 104° 41' 35.60"	
	VOR: DEN	Available from N 39° 51' 6.79" W 104° 41' 47.72" to N 39° 55' 20.67" W 104° 41' 35.60"	
	VOR: DVV	Available from N 39° 51' 6.79" W 104° 41' 47.72" to N 39° 55' 20.67" W 104° 41' 35.60"	
	VOR: FQF	Available from N 39° 51' 6.79" W 104° 41' 47.72" to N 39° 55' 20.67" W 104° 41' 35.60"	
	VOR: GLL	Available from N 39° 51' 6.79" W 104° 41' 47.72" to N 39° 55' 20.67" W 104° 41' 35.60"	
2	N 39° 59' 21.02" W 103° 59' 52.83"	N 39° 59' 34.46" W 103° 57' 49.15"	1.6
	VOR: AKO	Available from N 39° 59' 21.02" W 103° 59' 52.83" to N 39° 59' 34.46" W 103° 57' 49.15"	
	VOR: BVR	Available from N 39° 59' 21.02" W 103° 59' 52.83" to N 39° 59' 34.46" W 103° 57' 49.15"	
	VOR: DEN	Available from N 39° 59' 21.02" W 103° 59' 52.83" to N 39° 59' 34.46" W 103° 57' 49.15"	
	VOR: DVV	Available from N 39° 59' 21.02" W 103° 59' 52.83" to N 39° 59' 34.46" W 103° 57' 49.15"	
	VOR: FQF	Available from N 39° 59' 21.02" W 103° 59' 52.83" to N 39° 59' 34.46" W 103° 57' 49.15"	
	VOR: TXC	Available from N 39° 59' 23.26" W 103° 59' 32.22" to N 39° 59' 34.46" W 103° 57' 49.15"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	GLD	N 39° 23' 16.30" W 101° 41' 32.30" E 12	H	3650.0	115.10	GLD	Not Used
		ESV: Bearing [True]: 302.0° to 16.0° Bearing [Mag]: 290.0° to 4.0°			Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18200.0 Ft.		
2	HCT	N 40° 27' 14.62" W 100° 55' 24.86" E 11	H	3010.0	117.70	HCT	Not Used
		ESV: Bearing [True]: 240.0° to 267.0° Bearing [Mag]: 229.0° to 256.0°			Arc Distance: Out to 73.0 NM Altitude: 14000.0 to 17600.0 Ft.		
3	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H	4300.0	115.90	SNY	Not Used
		ESV: Bearing [True]: 139.0° to 194.0° Bearing [Mag]: 126.0° to 181.0°			Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18800.0 Ft.		
4	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	4622.8	114.40	AKO	Not Used
		ESV: Bearing [True]: 73.0° to 88.0° Bearing [Mag]: 60.0° to 75.0°			Arc Distance: Out to 66.0 NM Altitude: 14000.0 to 19200.0 Ft.		
		ESV: Bearing [True]: 155.0° to 255.0° Bearing [Mag]: 142.0° to 242.0°			Arc Distance: Out to 65.0 NM Altitude: 14000.0 to 30000.0 Ft.		
5	SAE	N 41° 7' 8.77" W 101° 46' 33.80" E 11	T	3279.7	110.20	SAE	Not Used
		Restriction: Bearing [True]: 281.0° to 41.0° Bearing [Mag]: 270.0° to 30.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 153.0° to 180.0° Bearing [Mag]: 142.0° to 169.0°			Arc Distance: Out to 75.0 NM Altitude: 10000.0 to 23000.0 Ft.		
6	HLC	N 39° 15' 31.49" W 100° 13' 33.06" E 8	H	2690.0	113.70	HLC	Not Used
		ESV: Bearing [True]: 305.0° to 325.0° Bearing [Mag]: 297.0° to 317.0°			Arc Distance: Out to 100.0 NM Altitude: 15000.0 to 28000.0 Ft.		
7	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H	5233.0	112.10	HGO	Used
		ESV: Bearing [True]: 338.0° to 358.0° Bearing [Mag]: 326.0° to 346.0°			Arc Distance: Out to 64.0 NM Altitude: 14000.0 to 31000.0 Ft.		
		ESV: Bearing [True]: 10.0° to 22.0° Bearing [Mag]: 358.0° to 10.0°			Arc Distance: Out to 92.0 NM Altitude: 14000.0 to 30000.0 Ft.		
		ESV: Bearing [True]: 342.0° to 13.0° Bearing [Mag]: 330.0° to 1.0°			Arc Distance: Out to 84.0 NM Altitude: 13900.0 to 20000.0 Ft.		
8	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	4900.0	114.20	GLL	Used
		ESV: Bearing [True]: 142.0° to 167.0° Bearing [Mag]: 129.0° to 154.0°			Arc Distance: Out to 60.0 NM Altitude: 8000.0 to 23000.0 Ft.		

DME/DME (Continued.)

Return To Summary

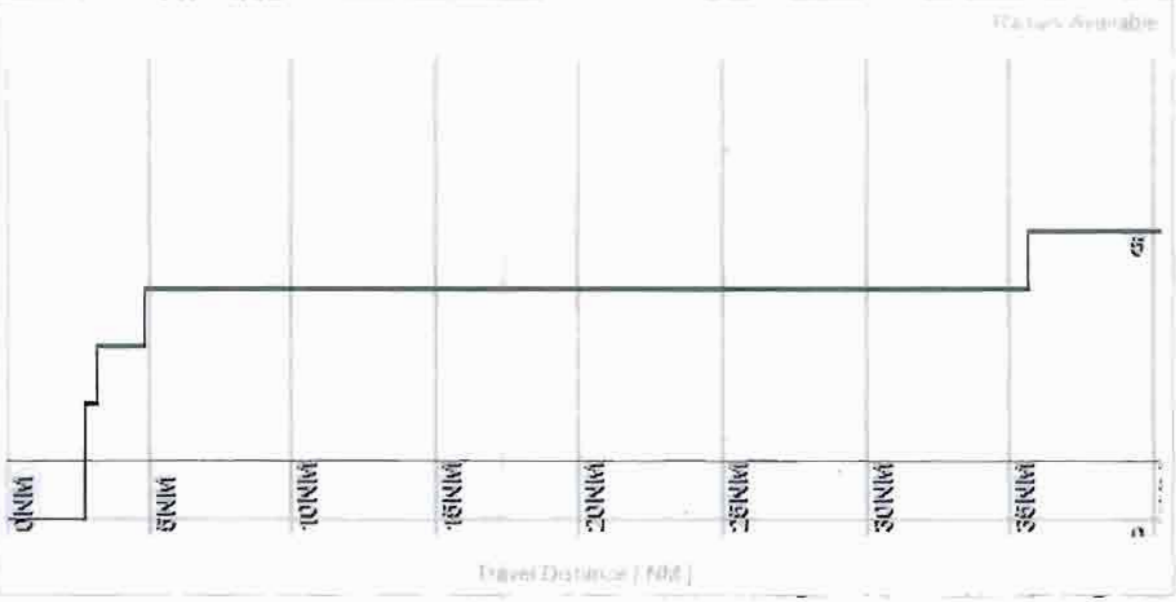
User DMEs (Continued.)

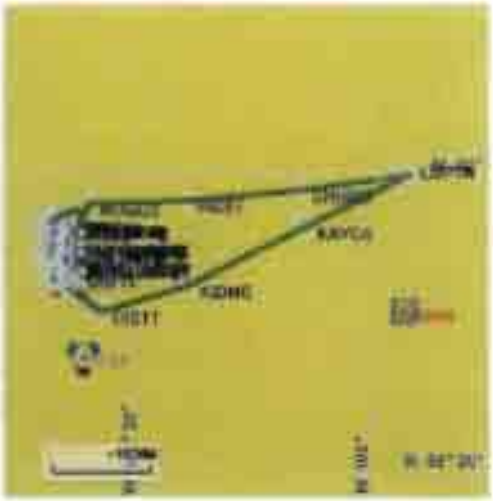
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
	Restriction	Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
	ESV	Bearing [True]: 80.0° to 106.0° Bearing [Mag]: 69.0° to 97.0°			Arc Distance: Out to 63.0 NM Altitude: 14000.0 to 31000.0 Ft.		
10	DEN	N 39° 48' 45.00" W 104° 39' 36.70" E 8	H	5440.0	117.90	DEN	Used
11	DVV	N 39° 53' 40.90" W 104° 37' 27.60" E 8	H	5270.0	114.70	DVV	Used
12	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H	5780.0	116.30	FQF	Used
	Restriction	Bearing [True]: 79.0° to 99.0° Bearing [Mag]: 68.0° to 88.0°			Distance: Beyond 10.0 NM Altitude: Below 11500.0 Ft.		
	ESV	Bearing [True]: 64.0° to 74.0° Bearing [Mag]: 53.0° to 63.0°			Arc Distance: Out to 74.0 NM Altitude: 14000.0 to 30000.0 Ft.		

Radar Analysis

Return To Summary

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





Name:	Martha Dunn
Project Name:	KDEN
Output File:	KDEN EEONS1 SID RW34R LUPTN 20120817_1127
Procedure Name:	EEONS1
Software:	RNAV-Pro™
Version:	2.36v
Date/Time:	8/17/2012 11:27:54 AM
Input File:	EEONS RW34R LUPTN 20120214.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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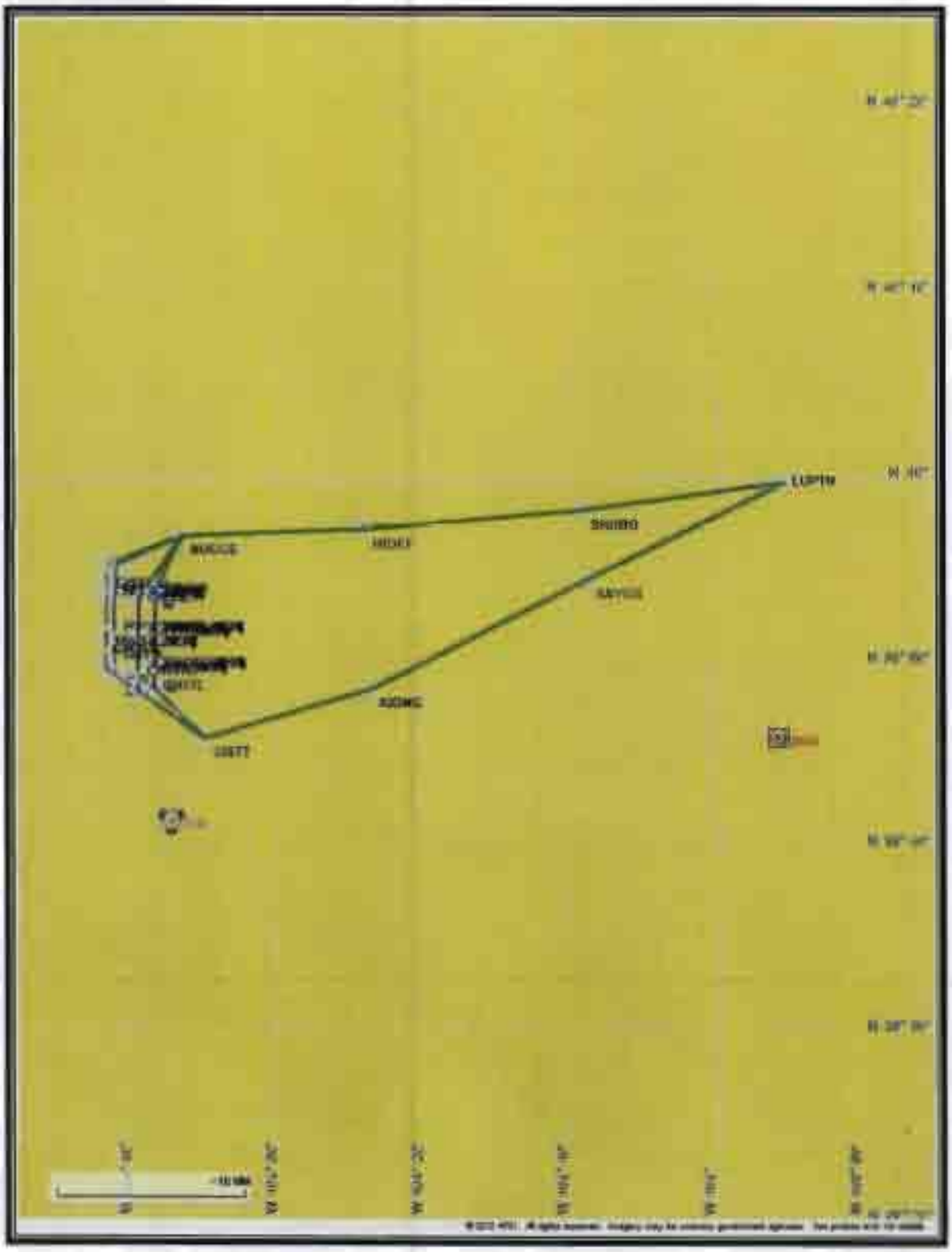

LUPTN
SHUBO
HIDEI
SAYGE
KIDNE
LISTT

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW34R(...	WP	N 39° 51' 50.78" W 104° 41' 13.88"	5350.6	VNAV	0.0	Fly Over	TF
RW16L(...	WP	N 39° 53' 49.33" W 104° 41' 12.50"	5382.0	VNAV	130.0	Fly Over	VA
GH34R	WP	N 39° 54' 59.82" W 104° 41' 11.68"	5934.0	VNAV	145.0	Fly Over	DF
NUGGS	WP	N 39° 56' 55.57" W 104° 36' 38.33"	6854.0	VNAV	180.0	Fly By	TF
HIDEF	WP	N 39° 57' 17.16" W 104° 24' 5.90"	9073.0	VNAV	180.0	Fly By	TF
SHOBO	WP	N 39° 58' 19.97" W 104° 9' 11.53"	11721.0	VNAV	210.0	Fly By	TF
LUPTN	WP	N 39° 59' 50.43" W 103° 55' 21.77"	14000.0	VNAV	210.0	Fly Over	TF

Climb Gradient:

Table:

500.0 Ft/NM up to **5934.0 Ft MSL**

230.0 Ft/NM up to **14000.0 Ft MSL**

Flyability

Return To Summary

Settings:

Flight Type: Runway Departure
Selected Airport: KDEN
Aircraft Category: Cat D
Climb Gradient:

Table:
500.0 Ft/NM up to **5934.0 Ft MSL**
230.0 Ft/NM up to **14000.0 Ft MSL**

Ground Speeds:

Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -43.10 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: 8047 Ft.

Total Number of DMEs Used: 6

Maximum DME Error: 0.461 NM

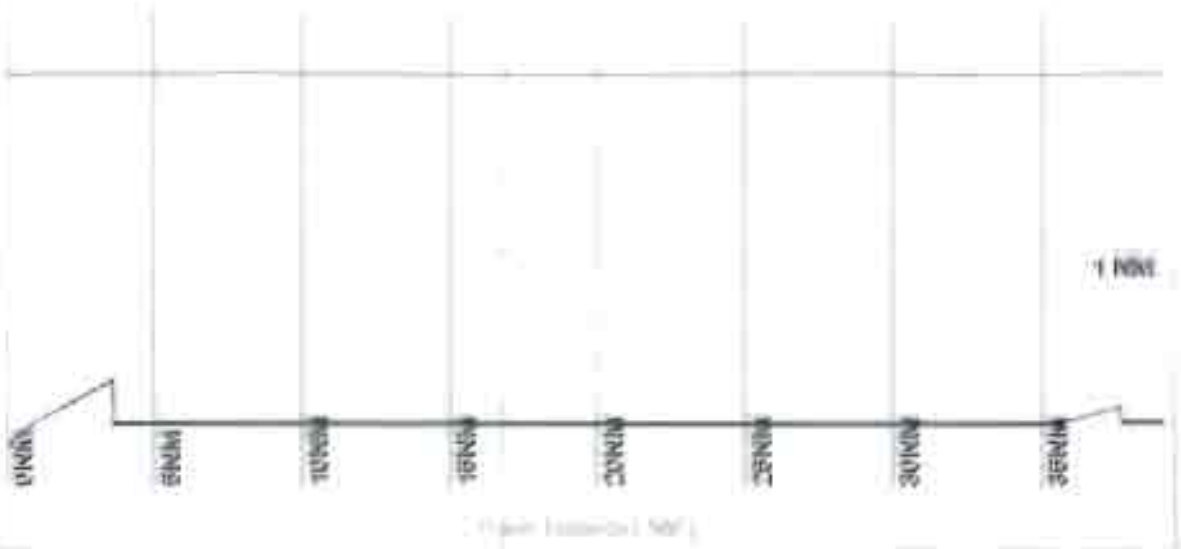
No Critical DMEs were found

Available DMEs: GLL, DEN, FQF, BJC, DVV, AKO, HGO, TXC

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H + ESV	User	NO	0.943	Enabled	41.4 %	33.8 %
2	DEN	N 39° 48' 45.00" W 104° 39' 38.70" E 8	H	User	NO	0.461	Enabled	16.5 %	18.8 %
3	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H + ESV	User	NO	0.461	Enabled	22.9 %	25.7 %
4	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H + ESV	User	NO	0.943	Enabled	63.0 %	71.1 %
5	DVV	N 39° 53' 40.90" W 104° 37' 27.60" E 8	H	User	NO	0.461	Enabled	14.5 %	18.1 %
6	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H + ESV	User	NO	0.461	Enabled	2.6 %	3.7 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.0	GLL	DEN	FQF			
3.1	GLL	DEN	FQF	BJC		
7.1	GLL	DEN	FQF	BJC	DVV	
16.8	GLL	DEN	FQF	BJC	DVV	
28.2	GLL	DEN	FQF	HGO	DVV	AKO

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 39° 51' 50.78" W 104° 41' 13.88"	N 39° 55' 22.54" W 104° 41' 1.81"	3.6
	VOR: BJC	Available from N 39° 51' 50.78" W 104° 41' 13.88" to N 39° 55' 22.54" W 104° 41' 1.81"	
	VOR: BVR	Available from N 39° 51' 50.78" W 104° 41' 13.88" to N 39° 55' 22.54" W 104° 41' 1.81"	
	VOR: DEN	Available from N 39° 51' 50.78" W 104° 41' 13.88" to N 39° 55' 22.54" W 104° 41' 1.81"	
	VOR: DVV	Available from N 39° 51' 50.78" W 104° 41' 13.88" to N 39° 55' 22.54" W 104° 41' 1.81"	
	VOR: FQF	Available from N 39° 51' 50.78" W 104° 41' 13.88" to N 39° 55' 22.54" W 104° 41' 1.81"	
	VOR: GLL	Available from N 39° 51' 50.78" W 104° 41' 13.88" to N 39° 55' 22.54" W 104° 41' 1.81"	
2	N 39° 59' 20.87" W 103° 59' 54.23"	N 39° 59' 37.66" W 103° 57' 19.63"	2.0
	VOR: AKO	Available from N 39° 59' 20.87" W 103° 59' 54.23" to N 39° 59' 37.66" W 103° 57' 19.63"	
	VOR: BVR	Available from N 39° 59' 20.87" W 103° 59' 54.23" to N 39° 59' 37.66" W 103° 57' 19.63"	
	VOR: DEN	Available from N 39° 59' 20.87" W 103° 59' 54.23" to N 39° 59' 37.66" W 103° 57' 19.63"	
	VOR: DVV	Available from N 39° 59' 20.87" W 103° 59' 54.23" to N 39° 59' 37.66" W 103° 57' 19.63"	
	VOR: FQF	Available from N 39° 59' 20.87" W 103° 59' 54.23" to N 39° 59' 37.66" W 103° 57' 19.63"	
	VOR: TXC	Available from N 39° 59' 23.11" W 103° 59' 33.52" to N 39° 59' 37.66" W 103° 57' 19.63"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	GLD	N 39° 23' 16.30" W 101° 41' 32.30" E 12	H	3650.0	115.10	GLD	Not Used
	ESV:	Bearing [True]: 302.0° to 16.0° Bearing [Mag]: 290.0° to 4.0°		Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18200.0 Ft.			
2	HCT	N 40° 27' 14.62" W 100° 55' 24.86" E 11	H	3010.0	117.70	HCT	Not Used
	ESV:	Bearing [True]: 240.0° to 267.0° Bearing [Mag]: 229.0° to 256.0°		Arc Distance: Out to 73.0 NM Altitude: 14000.0 to 17600.0 Ft.			
3	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H	4300.0	115.90	SNY	Not Used
	ESV:	Bearing [True]: 139.0° to 194.0° Bearing [Mag]: 126.0° to 181.0°		Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18800.0 Ft.			
4	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	4622.8	114.40	AKO	Not Used
	ESV:	Bearing [True]: 73.0° to 88.0° Bearing [Mag]: 60.0° to 75.0°		Arc Distance: Out to 66.0 NM Altitude: 14000.0 to 19200.0 Ft.			
	ESV:	Bearing [True]: 155.0° to 255.0° Bearing [Mag]: 142.0° to 242.0°		Arc Distance: Out to 65.0 NM Altitude: 14000.0 to 30000.0 Ft.			
5	SAE	N 41° 7' 8.77" W 101° 46' 33.80" E 11	T	3279.7	110.20	SAE	Not Used
	Restriction:	Bearing [True]: 281.0° to 41.0° Bearing [Mag]: 270.0° to 30.0°		Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 153.0° to 180.0° Bearing [Mag]: 142.0° to 169.0°		Arc Distance: Out to 75.0 NM Altitude: 10000.0 to 23000.0 Ft.			
6	HLC	N 39° 15' 31.49" W 100° 13' 33.06" E 8	H	2690.0	113.70	HLC	Not Used
	ESV:	Bearing [True]: 305.0° to 325.0° Bearing [Mag]: 297.0° to 317.0°		Arc Distance: Out to 100.0 NM Altitude: 15000.0 to 28000.0 Ft.			
7	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H	5233.0	112.10	HGO	Used
	ESV:	Bearing [True]: 338.0° to 358.0° Bearing [Mag]: 326.0° to 346.0°		Arc Distance: Out to 64.0 NM Altitude: 14000.0 to 31000.0 Ft.			
	ESV:	Bearing [True]: 10.0° to 22.0° Bearing [Mag]: 358.0° to 10.0°		Arc Distance: Out to 92.0 NM Altitude: 14000.0 to 30000.0 Ft.			
	ESV:	Bearing [True]: 342.0° to 13.0° Bearing [Mag]: 330.0° to 1.0°		Arc Distance: Out to 84.0 NM Altitude: 13900.0 to 20000.0 Ft.			
8	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	4900.0	114.20	GLL	Used
	ESV:	Bearing [True]: 142.0° to 167.0° Bearing [Mag]: 129.0° to 154.0°		Arc Distance: Out to 60.0 NM Altitude: 8000.0 to 23000.0 Ft.			

DME/DME (Continued.)

Return To Summary

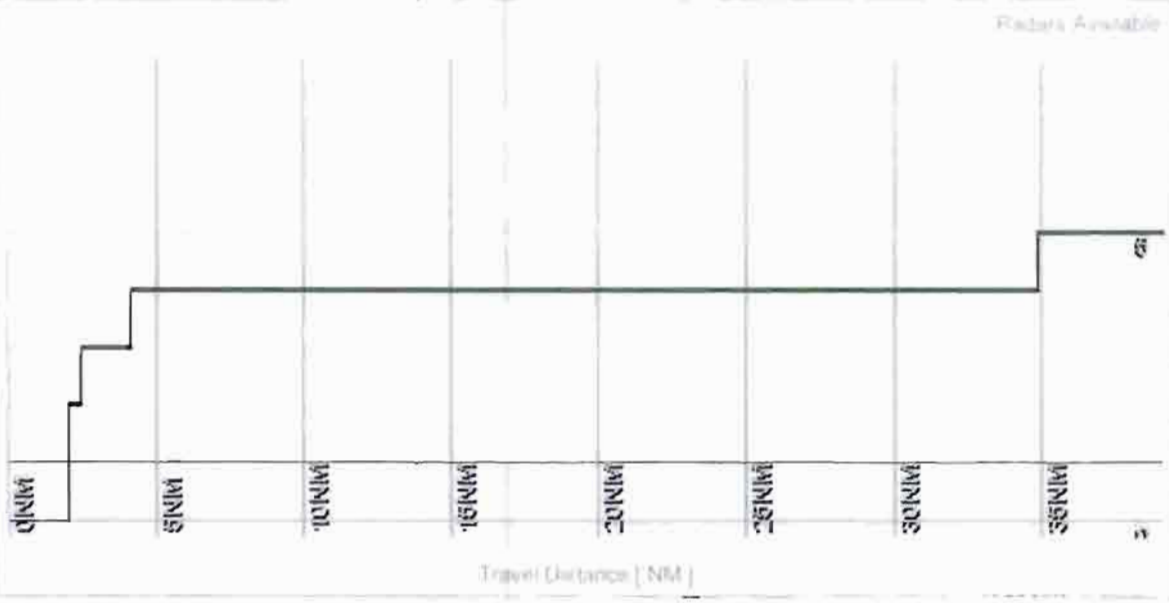
User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation (Ft)	Frequency	Replaces:	Status
9	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
		Restriction: Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 80.0° to 108.0° Bearing [Mag]: 69.0° to 97.0°			Arc Distance: Out to 63.0 NM Altitude: 14000.0 to 31000.0 Ft.		
10	DEN	N 39° 48' 45.00" W 104° 39' 38.70" E 8	H	5440.0	117.90	DEN	Used
11	DVV	N 39° 53' 40.90" W 104° 37' 27.80" E 8	H	5270.0	114.70	DVV	Used
12	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H	5780.0	116.30	FQF	Used
		Restriction: Bearing [True]: 79.0° to 99.0° Bearing [Mag]: 68.0° to 88.0°			Distance: Beyond 10.0 NM Altitude: Below 11500.0 Ft.		
		ESV: Bearing [True]: 64.0° to 74.0° Bearing [Mag]: 53.0° to 63.0°			Arc Distance: Out to 74.0 NM Altitude: 14000.0 to 30000.0 Ft.		

Radar Analysis

Return To Summary

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



Name:	Martha Dunn
Project Name:	KDEN
Output File:	KDEN EEONS1 SID RW35L LUPTN 20120828_1036
Procedure Name:	EEONS1
Software:	RNAV-Pro™
Version:	2.36v
Date/Time:	8/28/2012 10:36:49 AM
Input File:	EEONS RW35L LUPTN 20120828.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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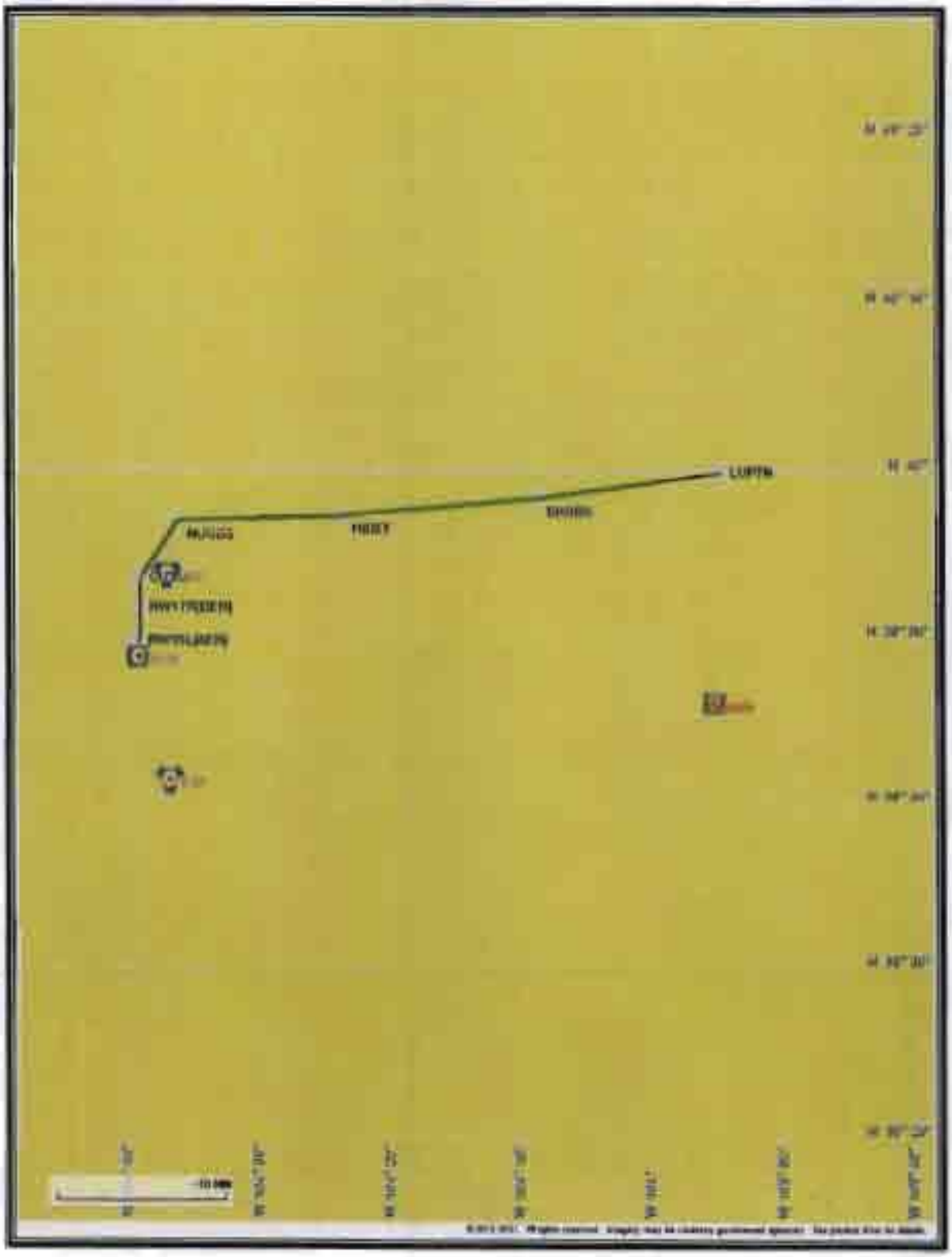

LUPTN

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW35L(...	WP	N 39° 49' 41.93" W 104° 39' 37.99"	5430.5	VNAV	0.0	Fly By	TF
RW17R(...	WP	N 39° 51' 40.48" W 104° 39' 36.56"	5409.4	VNAV	130.0	Fly Over	VI
GH35L	WP	N 39° 53' 25.92" W 104° 39' 35.30"	5934.0	VNAV	145.0	Fly By	CF - 33.0°
NUGGS	WP	N 39° 56' 55.57" W 104° 36' 38.33"	7327.0	VNAV	180.0	Fly By	TF
HIDEF	WP	N 39° 57' 17.16" W 104° 24' 5.90"	9659.0	VNAV	180.0	Fly By	TF
SHOBO	WP	N 39° 58' 19.97" W 104° 9' 11.53"	11961.0	VNAV	210.0	Fly By	TF
LUPTN	WP	N 39° 59' 50.43" W 103° 55' 21.77"	14000.0	VNAV	210.0	Fly Over	TF

Climb Gradient: 320.0 Ft/NM up to 8400.0 Ft MSL

Flyability

Return To Summary

Settings:

Flight Type: Runway Departure
Selected Airport: KDEN
Aircraft Category: Cat D
Climb Gradient: 320.0 Ft/NM up to 8400.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was 1.74 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: 6099 Ft

Total Number of DMEs Used: 6

Maximum DME Error 0.494 NM

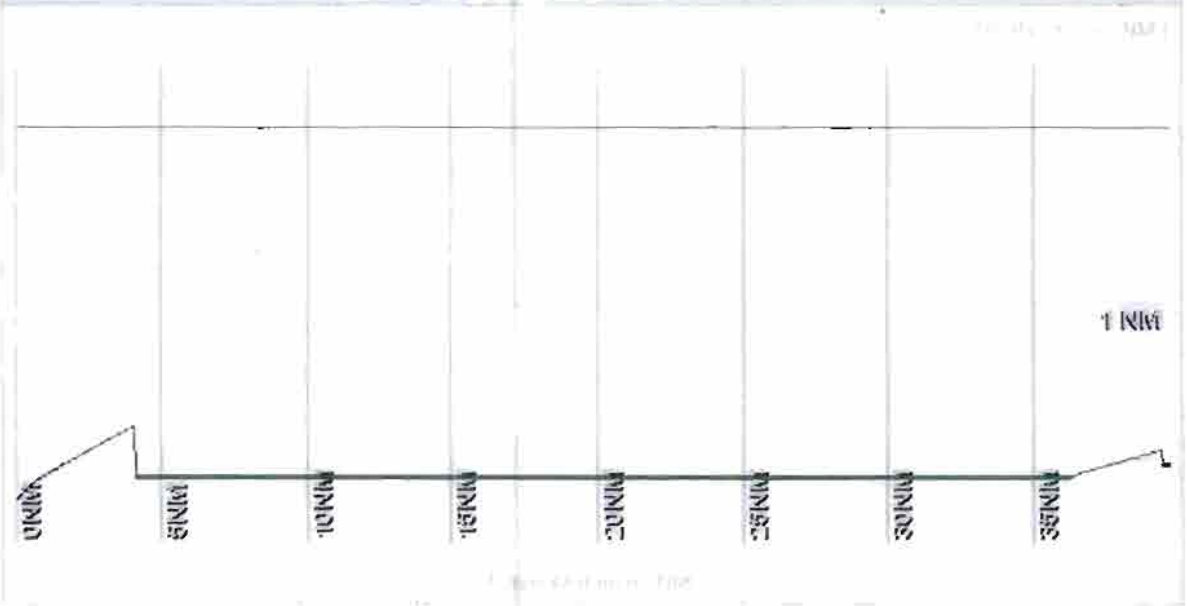
No Critical DMEs were found

Available DMEs: DEN, GLL, FQF, BJC, DVV, AKO, TXC

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BJC	N 39° 54' 46.67" W 105° 8' 20.47" E 11	H + ESV	User	NO	0.981	Enabled	40.6 %	33.6 %
2	DEN	N 39° 48' 45.00" W 104° 39' 38.70" E 11	H	User	NO	0.494	Enabled	14.3 %	17.3 %
3	GLL	N 40° 36' 13.93" W 104° 33' 10.86" E 13	H + ESV	User	NO	0.976	Enabled	61.5 %	70.2 %
4	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H + ESV	User	NO	0.494	Enabled	24.9 %	27.2 %
5	DVV	N 39° 53' 40.90" W 104° 37' 27.60" E 11	H	User	NO	0.494	Enabled	11.8 %	14.1 %
6	TXC	N 39° 41' 53.94" W 103° 12' 53.78" E 12	L	Database	NO	0.494	Enabled	0.5 %	0.7 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.0	DEN	GLL	FQF			
3.5	DEN	GLL	FQF	BJC		
7.6	DEN	GLL	FQF	BJC	DVV	
17.3	DEN	GLL	FQF	BJC	DVV	
28.8	DEN	GLL	FQF	TXC	DVV	AKO

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 39° 49' 41.93" W 104° 39' 37.99"	N 39° 53' 43.44" W 104° 39' 22.77"	4.1
	VOR: BJC	Available from N 39° 49' 41.93" W 104° 39' 37.99" to N 39° 53' 43.44" W 104° 39' 22.77"	
	VOR: BVR	Available from N 39° 49' 41.93" W 104° 39' 37.99" to N 39° 53' 43.44" W 104° 39' 22.77"	
	VOR: DEN	Available from N 39° 49' 41.93" W 104° 39' 37.99" to N 39° 53' 43.44" W 104° 39' 22.77"	
	VOR: DVV	Available from N 39° 49' 41.93" W 104° 39' 37.99" to N 39° 53' 43.44" W 104° 39' 22.77"	
	VOR: FQF	Available from N 39° 49' 41.93" W 104° 39' 37.99" to N 39° 53' 43.44" W 104° 39' 22.77"	
	VOR: GLL	Available from N 39° 50' 30.89" W 104° 39' 37.40" to N 39° 53' 43.44" W 104° 39' 22.77"	
2	N 39° 59' 21.06" W 103° 59' 52.55"	N 39° 59' 47.89" W 103° 55' 45.18"	3.2
	VOR: AKO	Available from N 39° 59' 21.06" W 103° 59' 52.55" to N 39° 59' 47.89" W 103° 55' 45.18"	
	VOR: BVR	Available from N 39° 59' 21.06" W 103° 59' 52.55" to N 39° 59' 47.89" W 103° 55' 45.18"	
	VOR: DEN	Available from N 39° 59' 21.06" W 103° 59' 52.55" to N 39° 59' 47.89" W 103° 55' 45.18"	
	VOR: DVV	Available from N 39° 59' 21.06" W 103° 59' 52.55" to N 39° 59' 47.89" W 103° 55' 45.18"	
	VOR: FQF	Available from N 39° 59' 21.06" W 103° 59' 52.55" to N 39° 59' 47.89" W 103° 55' 45.18"	
	VOR: TXC	Available from N 39° 59' 23.30" W 103° 59' 31.94" to N 39° 59' 47.89" W 103° 55' 45.18"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation (Ft)	Frequency	Replaces:	Status
1	GLD	N 39° 23' 16.30" W 101° 41' 32.30" E 12	H	3650.0	115.10	GLD	Not Used
		ESV Bearing [True]: 302.0° to 16.0° Bearing [Mag]: 290.0° to 4.0°			Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18200.0 Ft.		
2	HCT	N 40° 27' 14.82" W 100° 55' 24.86" E 11	H	3010.0	117.70	HCT	Not Used
		ESV Bearing [True]: 240.0° to 267.0° Bearing [Mag]: 229.0° to 256.0°			Arc Distance: Out to 73.0 NM Altitude: 14000.0 to 17800.0 Ft.		
3	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H	4300.0	115.90	SNY	Not Used
		ESV Bearing [True]: 139.0° to 194.0° Bearing [Mag]: 126.0° to 181.0°			Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18600.0 Ft.		
4	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	4622.8	114.40	AKO	Not Used
		ESV Bearing [True]: 73.0° to 88.0° Bearing [Mag]: 60.0° to 75.0°			Arc Distance: Out to 66.0 NM Altitude: 14000.0 to 19200.0 Ft.		
		ESV Bearing [True]: 155.0° to 255.0° Bearing [Mag]: 142.0° to 242.0°			Arc Distance: Out to 65.0 NM Altitude: 14000.0 to 30000.0 Ft.		
5	SAE	N 41° 7' 8.77" W 101° 46' 33.60" E 11	T	3279.7	110.20	SAE	Not Used
		Restriction Bearing [True]: 281.0° to 41.0° Bearing [Mag]: 270.0° to 30.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV Bearing [True]: 153.0° to 180.0° Bearing [Mag]: 142.0° to 169.0°			Arc Distance: Out to 78.0 NM Altitude: 10000.0 to 23000.0 Ft.		
6	HLC	N 39° 15' 31.49" W 100° 13' 33.06" E 8	H	2690.0	113.70	HLC	Not Used
		ESV Bearing [True]: 305.0° to 325.0° Bearing [Mag]: 297.0° to 317.0°			Arc Distance: Out to 100.0 NM Altitude: 15000.0 to 28000.0 Ft.		
7	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H	5233.0	112.10	HGO	Not Used
		ESV Bearing [True]: 338.0° to 358.0° Bearing [Mag]: 326.0° to 346.0°			Arc Distance: Out to 64.0 NM Altitude: 14000.0 to 31000.0 Ft.		
		ESV Bearing [True]: 10.0° to 22.0° Bearing [Mag]: 358.0° to 10.0°			Arc Distance: Out to 92.0 NM Altitude: 14000.0 to 30000.0 Ft.		
8	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	4900.0	114.20	GLL	Used
		ESV Bearing [True]: 142.0° to 167.0° Bearing [Mag]: 129.0° to 154.0°			Arc Distance: Out to 60.0 NM Altitude: 8000.0 to 23000.0 Ft.		

DME/DME (Continued.)

Return To Summary

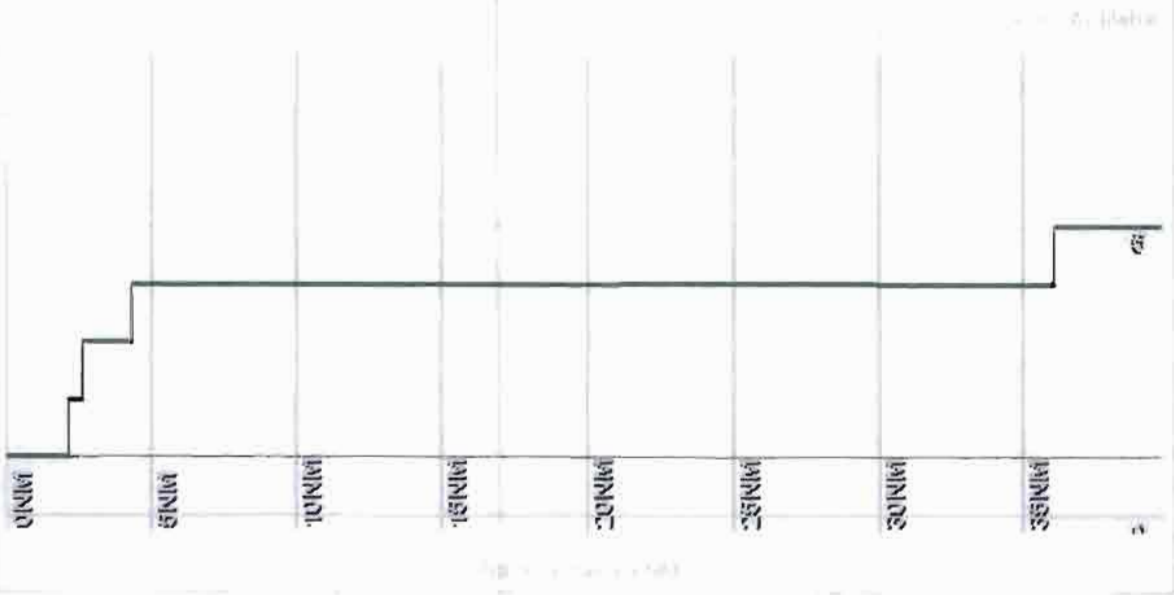
User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
	Restriction:	Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°		Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 80.0° to 108.0° Bearing [Mag]: 69.0° to 97.0°		Arc Distance: Out to 83.0 NM Altitude: 14000.0 to 31000.0 Ft.			
10	DEN	N 39° 48' 45.00" W 104° 39' 38.70" E 11	H	5440.0	117.90	DEN	Used
11	DVV	N 39° 53' 40.90" W 104° 37' 27.60" E 11	H	5270.0	114.70	DVV	Used
12	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H	5780.0	116.30	FQF	Used
	Restriction:	Bearing [True]: 79.0° to 99.0° Bearing [Mag]: 68.0° to 88.0°		Distance: Beyond 10.0 NM Altitude: Below 11600.0 Ft.			
	ESV:	Bearing [True]: 64.0° to 74.0° Bearing [Mag]: 53.0° to 63.0°		Arc Distance: Out to 74.0 NM Altitude: 14000.0 to 30000.0 Ft.			

Radar Analysis

Return To Summary

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



Name:	Martha Dunn
Project Name:	KDEN
Output File:	KDEN EEONS1 SID RW35R LUPTN 20120820_0833
Procedure Name:	EEONS1
Software:	RNAV-Pro™
Version:	2.36v
Date/Time:	8/20/2012 8:33:23 AM
Input File:	EEONS RW35R LUPTN 20120214.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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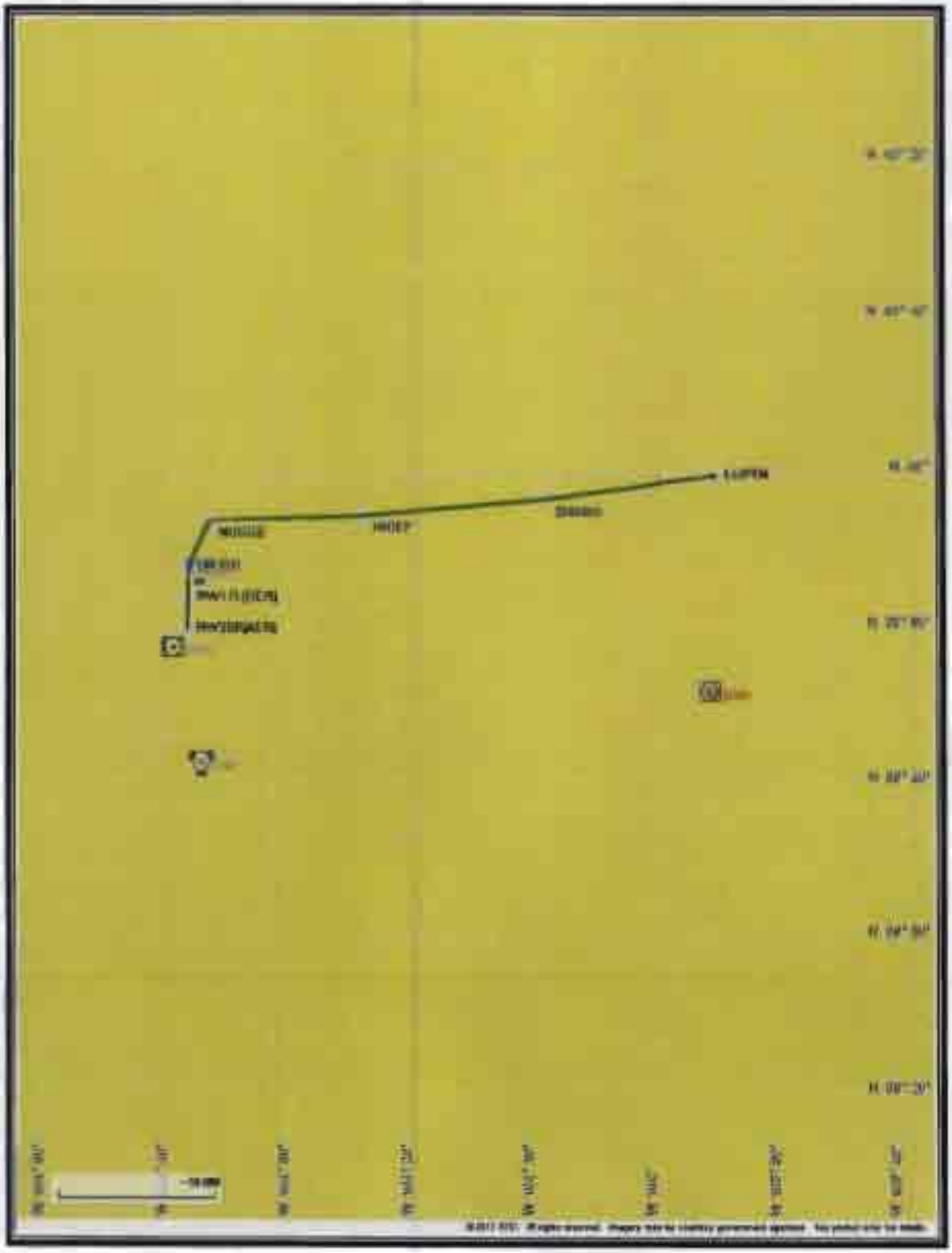

LUPTN

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW35R(...	WP	N 39° 49' 55.27" W 104° 38' 30.16"	5366.7	VNAV	0.0	Fly By	TF
RW17L(...	WP	N 39° 51' 53.83" W 104° 38' 28.70"	5359.8	VNAV	130.0	Fly Over	VI
GH35R	WP	N 39° 53' 55.83" W 104° 38' 27.21"	5934.0	VNAV	145.0	Fly By	CF - 25.0°
NUGGS	WP	N 39° 56' 55.57" W 104° 36' 38.33"	6695.0	VNAV	180.0	Fly By	TF
HIDEF	WP	N 39° 57' 17.16" W 104° 24' 5.90"	8915.0	VNAV	180.0	Fly By	TF
SHOBO	WP	N 39° 58' 19.97" W 104° 9' 11.53"	11562.0	VNAV	210.0	Fly By	TF
LUPTN	WP	N 39° 59' 50.43" W 103° 55' 21.77"	14000.0	VNAV	210.0	Fly Over	TF

Climb Gradient:

Table:

300.0 Ft/NM up to **5934.0 Ft MSL**

230.0 Ft/NM up to **14000.0 Ft MSL**

Flyability

Return To Summary

Settings:

Flight Type: Runway Departure
Selected Airport: KDEN
Aircraft Category: Cat D
Climb Gradient:

Table:
300.0 Ft/NM up to **5934.0 Ft MSL**
230.0 Ft/NM up to **14000.0 Ft MSL**

Ground Speeds:

Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -20.44 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: 6121 Ft.

Total Number of DMEs Used: 6

Maximum DME Error: 0.543 NM

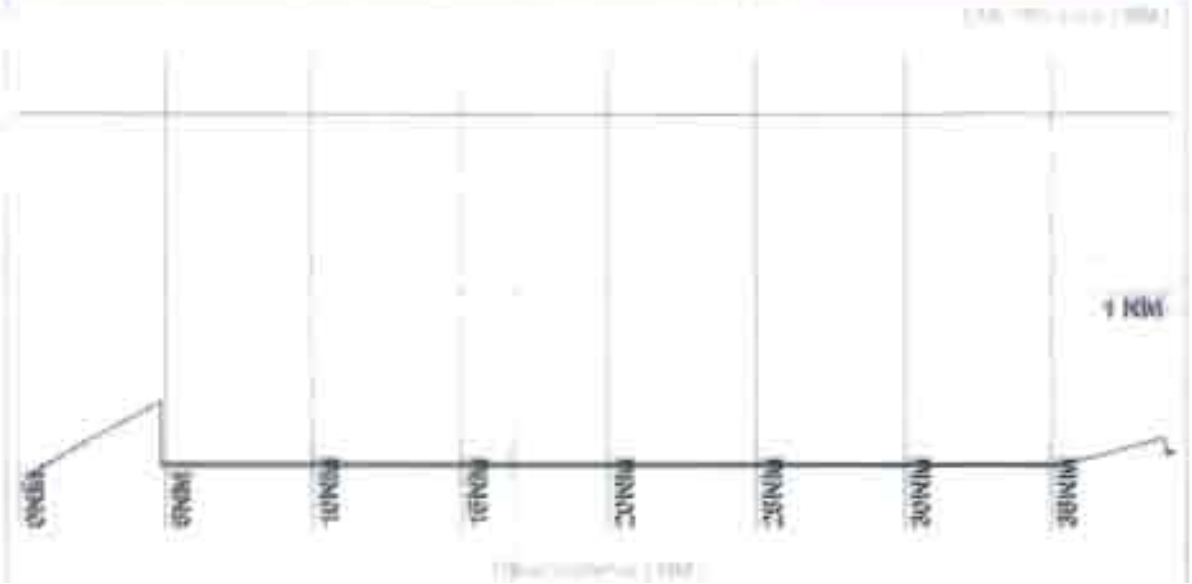
No Critical DMEs were found.

Available DMEs: DEN, GLL, FQF, BJC, DVV, AKO, TXC

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H + ESV	User	NO	0.941	Enabled	36.9 %	30.6 %
2	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H + ESV	User	NO	0.543	Enabled	23.4 %	26.3 %
3	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H + ESV	User	NO	0.990	Enabled	63.1 %	71.0 %
4	DVV	N 39° 53' 40.90" W 104° 37' 27.60" E 11	H	User	NO	0.543	Enabled	11.9 %	14.3 %
5	DEN	N 39° 48' 45.00" W 104° 39' 38.70" E 11	H	User	NO	0.543	Enabled	12.2 %	15.5 %
6	TXC	N 39° 41' 53.94" W 103° 12' 53.78" E 12	L	Database	NO	0.543	Enabled	0.5 %	0.7 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.0	DEN	GLL	FQF			
3.8	DEN	GLL	FQF	BJC		
6.9	DEN	GLL	FQF	BJC	DVV	
16.7	DEN	GLL	FQF	BJC	DVV	
28.2	DEN	GLL	FQF	TXC	DVV	AKO

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 39° 49' 55.27" W 104° 38' 30.16"	N 39° 54' 39.00" W 104° 38' 2.51"	4.8
	VOR: BJC	Available from N 39° 49' 55.27" W 104° 38' 30.16" to N 39° 54' 39.00" W 104° 38' 2.51"	
	VOR: BVR	Available from N 39° 49' 55.27" W 104° 38' 30.16" to N 39° 54' 39.00" W 104° 38' 2.51"	
	VOR: DEN	Available from N 39° 49' 55.27" W 104° 38' 30.16" to N 39° 54' 39.00" W 104° 38' 2.51"	
	VOR: DVV	Available from N 39° 49' 55.27" W 104° 38' 30.16" to N 39° 54' 39.00" W 104° 38' 2.51"	
	VOR: FQF	Available from N 39° 49' 55.27" W 104° 38' 30.16" to N 39° 54' 39.00" W 104° 38' 2.51"	
	VOR: GLL	Available from N 39° 50' 24.99" W 104° 38' 29.79" to N 39° 54' 39.00" W 104° 38' 2.51"	
2	N 39° 59' 20.69" W 103° 59' 55.85"	N 39° 59' 48.09" W 103° 55' 43.33"	3.3
	VOR: AKO	Available from N 39° 59' 20.69" W 103° 59' 55.85" to N 39° 59' 48.09" W 103° 55' 43.33"	
	VOR: BVR	Available from N 39° 59' 20.69" W 103° 59' 55.85" to N 39° 59' 48.09" W 103° 55' 43.33"	
	VOR: DEN	Available from N 39° 59' 20.69" W 103° 59' 55.85" to N 39° 59' 48.09" W 103° 55' 43.33"	
	VOR: DVV	Available from N 39° 59' 20.69" W 103° 59' 55.85" to N 39° 59' 48.09" W 103° 55' 43.33"	
	VOR: FQF	Available from N 39° 59' 20.69" W 103° 59' 55.85" to N 39° 59' 48.09" W 103° 55' 43.33"	
	VOR: TXC	Available from N 39° 59' 22.94" W 103° 59' 35.24" to N 39° 59' 48.09" W 103° 55' 43.33"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	GLD	N 39° 23' 16.30" W 101° 41' 32.30" E 12	H	3650.0	115.10	GLD	Not Used
	ESV:	Bearing [True]: 302.0° to 16.0° Bearing [Mag]: 290.0° to 4.0°		Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18200.0 Ft.			
2	HCT	N 40° 27' 14.62" W 100° 55' 24.86" E 11	H	3010.0	117.70	HCT	Not Used
	ESV:	Bearing [True]: 240.0° to 267.0° Bearing [Mag]: 229.0° to 256.0°		Arc Distance: Out to 73.0 NM Altitude: 14000.0 to 17600.0 Ft.			
3	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H	4300.0	115.90	SNY	Not Used
	ESV:	Bearing [True]: 139.0° to 194.0° Bearing [Mag]: 126.0° to 181.0°		Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18800.0 Ft.			
4	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	4622.8	114.40	AKO	Not Used
	ESV:	Bearing [True]: 73.0° to 88.0° Bearing [Mag]: 60.0° to 75.0°		Arc Distance: Out to 66.0 NM Altitude: 14000.0 to 19200.0 Ft.			
	ESV:	Bearing [True]: 155.0° to 255.0° Bearing [Mag]: 142.0° to 242.0°		Arc Distance: Out to 65.0 NM Altitude: 14000.0 to 30000.0 Ft.			
5	SAE	N 41° 7' 8.77" W 101° 46' 33.80" E 11	T	3279.7	110.20	SAE	Not Used
	Restriction:	Bearing [True]: 281.0° to 41.0° Bearing [Mag]: 270.0° to 30.0°		Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 153.0° to 180.0° Bearing [Mag]: 142.0° to 169.0°		Arc Distance: Out to 75.0 NM Altitude: 10000.0 to 23000.0 Ft.			
6	HLC	N 39° 15' 31.49" W 100° 13' 33.06" E 8	H	2690.0	113.70	HLC	Not Used
	ESV:	Bearing [True]: 305.0° to 325.0° Bearing [Mag]: 297.0° to 317.0°		Arc Distance: Out to 100.0 NM Altitude: 15000.0 to 28000.0 Ft.			
7	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H	5233.0	112.10	HGO	Not Used
	ESV:	Bearing [True]: 338.0° to 358.0° Bearing [Mag]: 326.0° to 346.0°		Arc Distance: Out to 64.0 NM Altitude: 14000.0 to 31000.0 Ft.			
	ESV:	Bearing [True]: 10.0° to 22.0° Bearing [Mag]: 358.0° to 10.0°		Arc Distance: Out to 92.0 NM Altitude: 14000.0 to 30000.0 Ft.			
8	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	4900.0	114.20	GLL	Used
	ESV:	Bearing [True]: 142.0° to 167.0° Bearing [Mag]: 129.0° to 154.0°		Arc Distance: Out to 60.0 NM Altitude: 8000.0 to 23000.0 Ft.			

DME/DME (Continued.)

Return To Summary

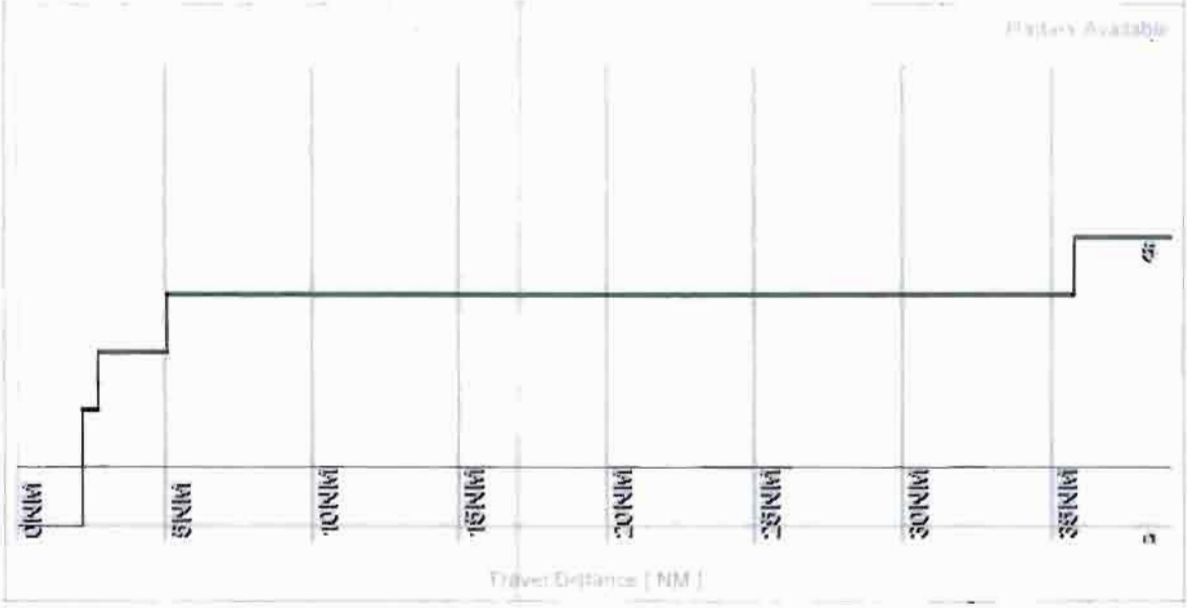
User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
9	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
	Restriction:	Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°		Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 80.0° to 108.0° Bearing [Mag]: 69.0° to 97.0°		Arc Distance: Out to 63.0 NM Altitude: 14000.0 to 31000.0 Ft.			
10	DEN	N 39° 48' 45.00" W 104° 39' 38.70" E 11	H	5440.0	117.90	DEN	Used
11	DVV	N 39° 53' 40.90" W 104° 37' 27.60" E 11	H	5270.0	114.70	DVV	Used
12	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H	5780.0	116.30	FQF	Used
	Restriction:	Bearing [True]: 79.0° to 99.0° Bearing [Mag]: 68.0° to 88.0°		Distance: Beyond 10.0 NM Altitude: Below 11500.0 Ft.			
	ESV:	Bearing [True]: 64.0° to 74.0° Bearing [Mag]: 53.0° to 63.0°		Arc Distance: Out to 74.0 NM Altitude: 14000.0 to 30000.0 Ft.			

Radar Analysis

Return To Summary

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



Name:	Martha Dunn
Project Name:	KDEN
Output File:	KDEN EEONS1 SID EEONS WYNDM 20120817_1046
Procedure Name:	EEONS1
Software:	RNAV-Pro™
Version:	2.36v
Date/Time:	8/17/2012 10:46:48 AM
Input File:	KDEN_PNA_EEONS_WYNDM_CCW.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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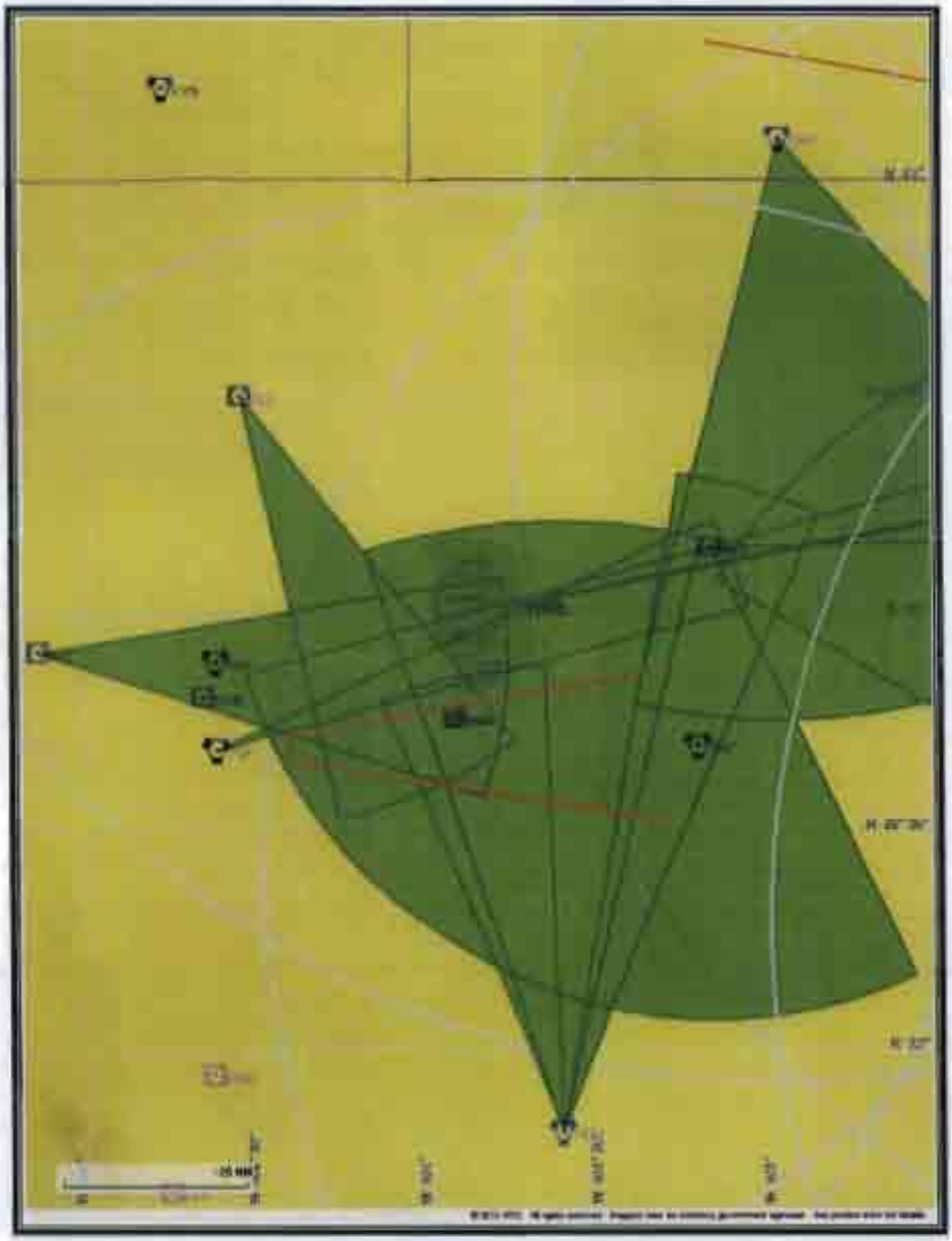


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
EEONS	WP	N 40° 1' 17.62" W 103° 46' 11.04"	14000.0	VNAV	210.0	Fly Over	TF
LPNA	WP	N 40° 6' 56.27" W 103° 56' 56.42"	14000.0	VNAV	210.0	Fly By	TF
M1PNA	WP	N 40° 2' 2.85" W 103° 59' 9.90"	14000.0	VNAV	210.0	Fly By	TF
M2PNA	WP	N 39° 56' 57.48" W 103° 57' 54.57"	14000.0	VNAV	210.0	Fly By	TF
RPNA	WP	N 39° 53' 1.87" W 103° 53' 31.28"	14000.0	VNAV	210.0	Fly By	TF
EEONS1	WP	N 40° 1' 17.62" W 103° 46' 11.04"	14000.0	VNAV	210.0	Fly By	TF
WYNDM	WP	N 40° 22' 59.60" W 101° 25' 26.20"	14000.0	VNAV	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Departure with PNA
Selected Airport: KDEN
Aircraft Category: Cat D
Climb Gradient: *None assigned*
Ground Speeds:

Table:

200.0 Kts up to **11000.0 Ft.**
240.0 Kts up to **18000.0 Ft.**
260.0 Kts up to **24000.0 Ft.**
340.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Entire track is fly-able

DME/DME

Return To Summary

Settings:

RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Automatic ESVs: Enabled w/ limit Alt/Distance (Reduce Criticals)
PNA Import from RDVA-Pro: KDEN PNA EEONS WYNDM

Total Number of DMEs Used: 10

Maximum DME Error: 0.352 NM

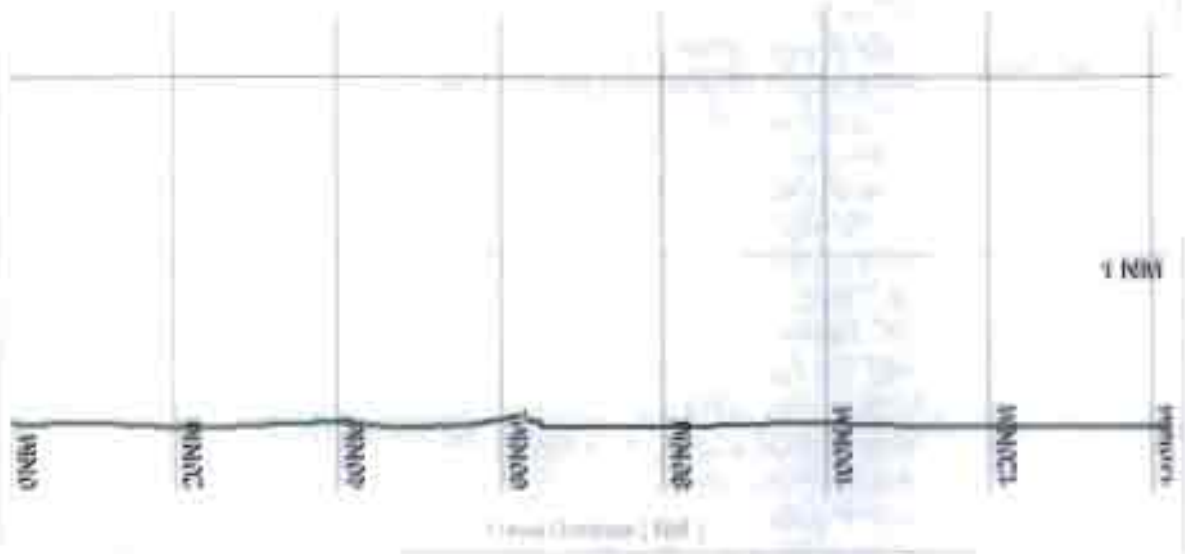
No Critical DMEs were found

Available DMEs: AKO, HGO, TXC, DVV, GLL, DEN, FQF, BJC, SNY, GLD, HCT, SAE

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H + ESV	User	NO	0.882	Enabled	50.7 %	50.7 %
2	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H + ESV	User	NO	0.722	Enabled	30.3 %	30.3 %
3	DVV	N 39° 53' 40.90" W 104° 37' 27.60" E 8	H	User	NO	0.352	Enabled	6.6 %	6.6 %
4	DEN	N 39° 46' 45.00" W 104° 39' 38.70" E 8	H	User	NO	0.352	Enabled	5.1 %	5.1 %
5	TXC	N 39° 41' 53.94" W 103° 12' 53.78" E 12	L	Database	NO	0.382	Enabled	15.4 %	15.4 %
6	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H + ESV	User	NO	0.562	Enabled	6.5 %	6.5 %
7	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H + ESV	User	NO	0.366	Enabled	23.9 %	23.9 %
8	HCT	N 40° 27' 14.62" W 100° 55' 24.86" E 11	H + ESV	User	NO	0.796	Enabled	30.5 %	30.5 %
9	GLD	N 39° 23' 16.30" W 101° 41' 32.30" E 12	H + ESV	User	NO	0.872	Enabled	19.6 %	19.6 %
10	SAE	N 41° 7' 8.77" W 101° 46' 33.80" E 11	T + ESV	User	NO	0.352	Enabled	10.3 %	10.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	HGO	AKO	TXC	DVV	GLL	
7.3	HGO	AKO	DEN	DVV	FQF	GLL
12.8	HGO	AKO	DEN	DVV	FQF	BJC
17.9	HGO	AKO	DEN	DVV	TXC	FQF
21.1	HGO	AKO	DEN	DVV	TXC	FQF
31.4	HGO	AKO	SNY	FQF	TXC	
66.5	HGO	AKO	SNY	GLD	TXC	
92.7	HCT	AKO	SNY	GLD	SAE	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 40° 7' 27.55" W 103° 8' 11.52"	N 40° 7' 37.30" W 103° 7' 10.25"	0.8
	VOR: AKO	Available from N 40° 7' 27.55" W 103° 8' 11.52" to N 40° 7' 37.30" W 103° 7' 10.25"	
	VOR: TXC	Available from N 40° 7' 27.55" W 103° 8' 11.52" to N 40° 7' 37.30" W 103° 7' 10.25"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	GLD	N 39° 23' 16.30" W 101° 41' 32.30" E 12	H	3650.0	115.10	GLD	Used
	ESV:	Bearing [True]: 302.0° to 16.0° Bearing [Mag]: 290.0° to 4.0°		Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18200.0 Ft.			
2	HCT	N 40° 27' 14.62" W 100° 55' 24.86" E 11	H	3010.0	117.70	HCT	Used
	ESV:	Bearing [True]: 240.0° to 267.0° Bearing [Mag]: 229.0° to 256.0°		Arc Distance: Out to 73.0 NM Altitude: 14000.0 to 17600.0 Ft.			
3	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H	4300.0	115.90	SNY	Used
	ESV:	Bearing [True]: 139.0° to 194.0° Bearing [Mag]: 126.0° to 181.0°		Arc Distance: Out to 80.0 NM Altitude: 14000.0 to 18800.0 Ft.			
4	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	4622.8	114.40	AKO	Used
	ESV:	Bearing [True]: 73.0° to 88.0° Bearing [Mag]: 60.0° to 75.0°		Arc Distance: Out to 66.0 NM Altitude: 14000.0 to 19200.0 Ft.			
	ESV:	Bearing [True]: 155.0° to 255.0° Bearing [Mag]: 142.0° to 242.0°		Arc Distance: Out to 65.0 NM Altitude: 14000.0 to 30000.0 Ft.			
5	SAE	N 41° 7' 8.77" W 101° 46' 33.80" E 11	T	3279.7	110.20	SAE	Used
	Restriction:	Bearing [True]: 281.0° to 41.0° Bearing [Mag]: 270.0° to 30.0°		Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 153.0° to 180.0° Bearing [Mag]: 142.0° to 169.0°		Arc Distance: Out to 75.0 NM Altitude: 10000.0 to 23000.0 Ft.			
6	HLC	N 39° 15' 31.49" W 100° 13' 33.06" E 8	H	2690.0	113.70	HLC	Not Used
	ESV:	Bearing [True]: 305.0° to 325.0° Bearing [Mag]: 297.0° to 317.0°		Arc Distance: Out to 100.0 NM Altitude: 15000.0 to 28000.0 Ft.			

DME/DME (Continued.)

Return To Summary

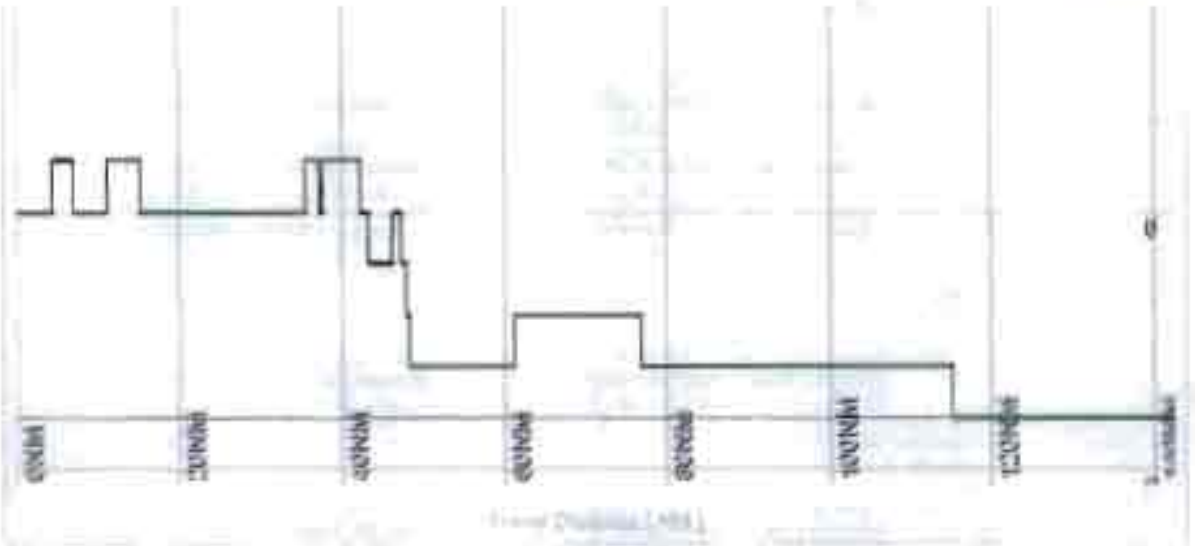
User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
7	HGO	N 38° 49' 3.00" W 103° 37' 17.00" E 12	H	5233.0	112.10	HGO	Used
		ESV: Bearing [True]: 338.0° to 356.0° Bearing [Mag]: 326.0° to 346.0°			Arc Distance: Out to 64.0 NM Altitude: 14000.0 to 31000.0 Ft.		
		ESV: Bearing [True]: 10.0° to 22.0° Bearing [Mag]: 358.0° to 10.0°			Arc Distance: Out to 92.0 NM Altitude: 14000.0 to 30000.0 Ft.		
		Auto ESV: Bearing [True]: 342.0° to 13.0° Bearing [Mag]: 330.0° to 1.0°			Arc Distance: Out to 84.0 NM Altitude: 13900.0 to 20000.0 Ft.		
8	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	4900.0	114.20	GLL	Not Used
		ESV: Bearing [True]: 142.0° to 167.0° Bearing [Mag]: 129.0° to 154.0°			Arc Distance: Out to 60.0 NM Altitude: 8000.0 to 23000.0 Ft.		
9	BJC	N 39° 54' 46.87" W 105° 8' 29.47" E 11	H	5727.8	115.40	BJC	Not Used
		Restriction: Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 80.0° to 108.0° Bearing [Mag]: 69.0° to 97.0°			Arc Distance: Out to 63.0 NM Altitude: 14000.0 to 31000.0 Ft.		
10	DEN	N 39° 48' 45.00" W 104° 39' 38.70" E 8	H	5440.0	117.90	DEN	Used
11	DVV	N 39° 53' 40.90" W 104° 37' 27.60" E 8	H	5270.0	114.70	DVV	Used
12	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H	5780.0	116.30	FQF	Used
		Restriction: Bearing [True]: 78.0° to 99.0° Bearing [Mag]: 66.0° to 86.0°			Distance: Beyond 10.0 NM Altitude: Below 11500.0 Ft.		
		ESV: Bearing [True]: 64.0° to 74.0° Bearing [Mag]: 53.0° to 63.0°			Arc Distance: Out to 74.0 NM Altitude: 14000.0 to 30000.0 Ft.		

Radar Analysis

Return To Summary

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



Name:	Martha Dunn
Project Name:	KDEN
Software:	RNAV-Pro™
Version:	2.36v
Date/Time:	8/17/2012 10:19:00 AM
Input File:	Grid Area Assessment
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Grid ✔ DME/DME Grid Analysis

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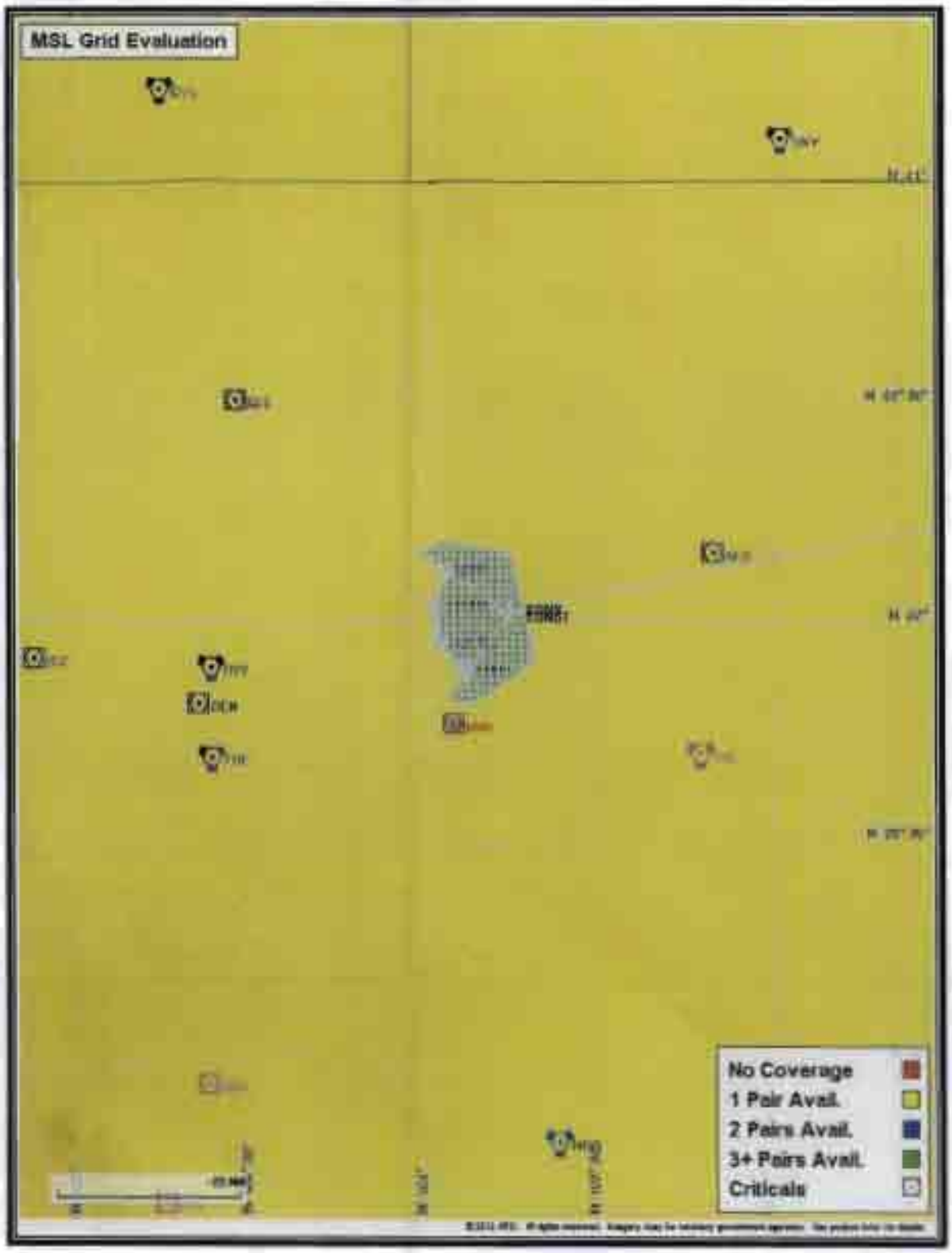
MSL Grid Evaluation
No Coverage
1 Pair Avail.
2 Pairs Avail.
3+ Pairs Avail.
Criticals

DME/DME Grid Analysis

Return To Summary

Coverage Exists

Settings:

Polygon Grid Definition:

1	Lat: N 40° 6' 56.51" Lon: W 103° 56' 56.21"	21	Lat: N 39° 49' 4.75" Lon: W 103° 54' 19.88"
2	Lat: N 40° 9' 12.18" Lon: W 104° 1' 14.42"	22	Lat: N 39° 49' 11.05" Lon: W 103° 54' 57.02"
3	Lat: N 40° 9' 35.33" Lon: W 104° 0' 50.96"	23	Lat: N 39° 49' 20.79" Lon: W 103° 55' 32.90"
4	Lat: N 40° 9' 56.11" Lon: W 104° 0' 23.99"	24	Lat: N 39° 49' 33.83" Lon: W 103° 56' 6.96"
5	Lat: N 40° 10' 14.21" Lon: W 103° 59' 53.91"	25	Lat: N 39° 49' 43.86" Lon: W 103° 56' 27.68"
6	Lat: N 40° 10' 29.37" Lon: W 103° 59' 21.18"	26	Lat: N 39° 53' 2.04" Lon: W 103° 53' 31.60"
7	Lat: N 40° 10' 41.34" Lon: W 103° 58' 46.29"	27	Lat: N 39° 53' 2.04" Lon: W 103° 53' 31.59"
8	Lat: N 40° 10' 49.97" Lon: W 103° 58' 9.74"	28	Lat: N 39° 53' 47.01" Lon: W 103° 54' 46.77"
9	Lat: N 40° 10' 55.10" Lon: W 103° 57' 32.10"	29	Lat: N 39° 54' 38.69" Lon: W 103° 55' 54.29"
10	Lat: N 40° 10' 56.68" Lon: W 103° 56' 53.93"	30	Lat: N 39° 55' 36.31" Lon: W 103° 56' 53.16"
11	Lat: N 40° 10' 54.68" Lon: W 103° 56' 15.76"	31	Lat: N 39° 56' 39.02" Lon: W 103° 57' 42.50"
12	Lat: N 40° 10' 51.51" Lon: W 103° 55' 51.55"	32	Lat: N 39° 57' 45.89" Lon: W 103° 58' 21.56"
13	Lat: N 40° 9' 26.29" Lon: W 103° 45' 48.07"	33	Lat: N 39° 58' 55.92" Lon: W 103° 58' 49.76"
14	Lat: N 39° 54' 29.70" Lon: W 103° 41' 37.49"	34	Lat: N 40° 0' 8.07" Lon: W 103° 59' 6.66"
15	Lat: N 39° 49' 40.75" Lon: W 103° 50' 41.55"	35	Lat: N 40° 1' 21.27" Lon: W 103° 59' 12.03"
16	Lat: N 39° 49' 26.29" Lon: W 103° 51' 14.64"	36	Lat: N 40° 2' 34.42" Lon: W 103° 59' 5.75"
17	Lat: N 39° 49' 15.04" Lon: W 103° 51' 49.76"	37	Lat: N 40° 3' 46.44" Lon: W 103° 58' 47.90"

DME/DME Grid Analysis (Continued.)

Return To Summary

Coverage Exists

Settings:

Polygon Grid Definition:

18	Lat: N 39° 49' 7.16" Lon: W 103° 52' 26.40"	**38**	Lat: N 40° 4' 56.25" Lon: W 103° 58' 18.75"
19	Lat: N 39° 49' 2.79" Lon: W 103° 53' 4.00"	**39**	Lat: N 40° 6' 2.81" Lon: W 103° 57' 38.73"
20	Lat: N 39° 49' 1.98" Lon: W 103° 53' 42.02"	**40**	Lat: N 40° 6' 56.51" Lon: W 103° 56' 56.21"

Lat Step: 1 NM
Lon Step: 1 NM
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Co-Frequencies: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , and User
DME Include Angles: 30 to 150
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Maximum Possible ESVs Used
Altitude: 14000.0 Ft. MSL
PNA Import from RDVA-Pro: KDEN PNA EEONS WYNDM

DME/DME Grid Analysis (Continued.)

Return To Summary

Maximum Gap: 0.0 NM

Maximum Critical Gap: 0.0 NM

	AGL Altitudes
Min Cell Altitude	8,852.4 Ft.
Max Cell Altitude	9,610.2 Ft.
Mean Cell Altitude	9,270.4 Ft.
Std. Dev. Cell Altitude	179.6 Ft.

Statistics based only on passing cells

Most Used DMEs: TXC (253), CYS (253), GLD (253), SNY (253), AKO (253), HGO (253), GLL (253), BJC (253), DEN (253), and DVV (253).