Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: STAR	Date Open: 11/08/2010	Task #: 2010110825948101003	Request #: 20101108259481
Procedure: STAR KRKEE (RNAV) ONE ALBUQUERQUE NM KABQ		Airport ID: KABQ	Airport: ALBUQUERQUE INTL SUNPORT		Reimbursable #:
City: ALBUQUERQUE	ST: NM	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID:	Fac. Type: Proc D	Specialist: STEPHEN PETERSON			

Procedure Review

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

DME / DME

ESV REQUEST INCLUDED

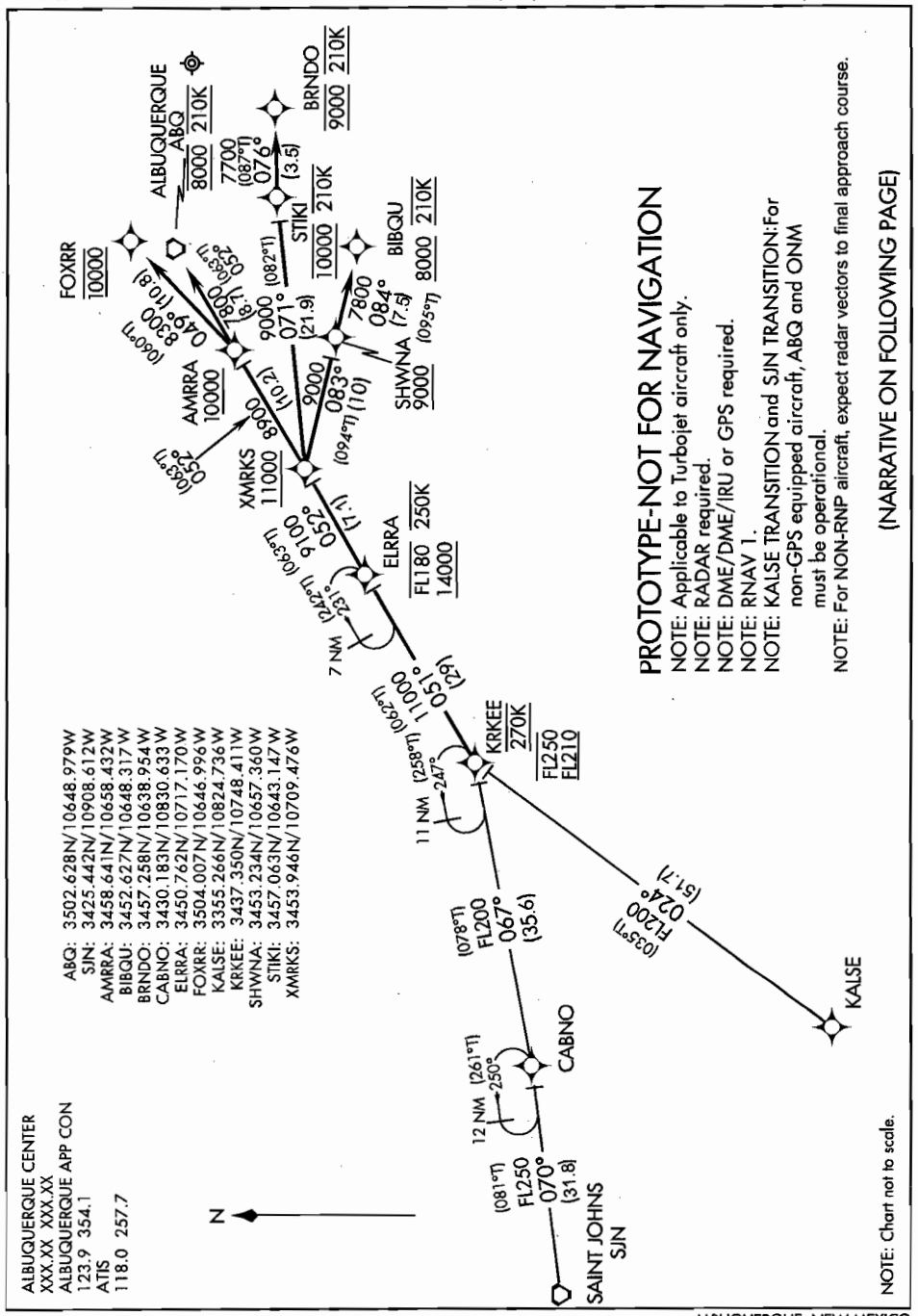
Procedure Comments: ENROUTE | Remark Type: INFORMATION

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

ATTACHED FORMS: ESV REPORTS; 7100-4; 7100-3; 8260-2(S): ALBUQUERQUE (ABQ) VTAC, REV 16; AMRRA, ORIG; BIBQU-INT, REV 4; BRNDO, ORIG; CABNO, ORIG; ELRRA, ORIG; FOXRR, REV 1; KALSE, ORIG; KRKEE, ORIG; SHWNA, ORIG; STIKI, ORIG; XMRKS, ORIG; (INFO ONLY) SAINT (SJN) VTAC, REV 10.

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

KRKEE ONE ARRIVAL (RNAV)



ARRIVAL ROUTE DESCRIPTION

KALSE TRANSITION (KALSE.KRKEE1): (For non-GPS equipped aircraft, ABQ and ONM must be operational).
ST JOHNS TRANSITION (SJN.KRKEE1): (For non-GPS equipped aircraft, ABQ and ONM must be operational).

LANDING RWY 03: From KRKEE on track 051° to cross ELRRA at or above 14000 and at or below FL180 at 250K, then on track 052° to cross XMRKS at or above 11000, then on track 083° to SHWNA, then on track 084° to cross BIBQU at or above 8000 at 210K. Expect RNAV (RNP) approach.

LANDING RWY 08: From KRKEE on track 051° to cross ELRRA at or above 14000 and at or below FL180 at 250K, then on track 052° to cross XMRKS at or above 11000 XMRKS, then on track 052° to cross AMRRA at or above 10000, then on track 052° to cross ABQ VORTAC at 8000 at 210K. Expect RNAV (RNP) approach.

LANDING RWY 21: From KRKEE on track 051° to cross ELRRA at or above 14000 and at or below FL180 at 250K, then on track 052° to cross XMRKS at or above 11000 XMRKS, then on track 052° to cross AMRRA at or above 10 000, then on track 049° to cross FOXRR at 10000. Expect RNAV (RNP) approach.

LANDING RWY 26: From KRKEE on track 051° to cross ELRRA at or above 14000 and at or below FL180 at 250K, then on track 052° to cross XMRKS at 11000, then on track 071° to cross STIKI at 10000 at or below 210K, then on track 076° to cross BRNDOat 9000 at or below 210K. Expect RNAV (RNP) approach.

PROTOTYPE-NOT FOR NAVIGATION

FACILITY NAME

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ABQ	City : ALBUQUERQUE	Ident : ABQ	State : NM
Type/Class : TACR	Frequency : M1166	Reference No.: 11065614	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704131-019	207	240	90	150	230

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

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/21/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-019	207	240	90	150	230	APPROVE

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

Signature: Meza Michael	Routing Symbol:	Date: 06/21/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-019	207	240	90	150	230	APPROVE

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

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/21/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-019	207	240				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

FACILITY NAME

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ABQ	City : ALBUQUERQUE	Ident : ABQ	State : NM
Type/Class : TACR	Frequency : M1166	Reference No.: 11065613	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704131-018	225	239	55	125	175

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

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/21/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-018	225	239	55	125	175	APPROVE

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

Signature: Meza Michael	Routing Symbol:	Date: 06/21/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-018	225	239	55	125	175	APPROVE

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

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/21/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704131-018	225	239				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

FACILITY NAME

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : GUP	City : GALLUP	Ident : GUP	State : NM
Type/Class : TACR	Frequency : M1185	Reference No.: 11065609	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701369-011	106	185	85	140	240

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

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/21/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-011	106	185	85	140	240	APPROVE

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

Signature: Meza Michael	Routing Symbol:	Date: 06/21/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-011	106	185	85	140	240	APPROVE

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

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/21/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-011	106	185				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

FACILITY NAME

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : GUP	City : GALLUP	Ident : GUP	State : NM
Type/Class : TACR	Frequency : M1185	Reference No.: 12041947	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 701369-022	141	155	99	199	220

Requirement: REQUIRED FOR NEW KRKEE1 RNAV STAR FOR ABQ

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 04/19/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-022	141	155	99	199	220	APPROVE

Requirement/Remarks: REQUIRED FOR NEW KRKEE1 RNAV STAR FOR ABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

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

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-022	141	155	99	199	220	APPROVE

Requirement/Remarks: REQUIRED FOR NEW KRKEE1 RNAV STAR FOR ABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

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

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 701369-022	141	155				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

FACILITY NAME

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ONM	City : SOCORRO	Ident : ONM	State : NM
Type/Class : TACR	Frequency : M1202	Reference No.: 11065611	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698219-027	297	307	48	95	175

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

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/21/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-027	297	307	48	95	175	APPROVE

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

Signature: mai kimberly	Routing Symbol:	Date: 06/21/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-027	297	307	48	95	175	APPROVE

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

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/21/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-027	297	307				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

FACILITY NAME

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ONM	City : SOCORRO	Ident : ONM	State : NM
Type/Class : TACR	Frequency : M1202	Reference No.: 11065610	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 698219-026	320	7	47	70	220

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

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/21/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-026	320	7	47	70	220	APPROVE

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

Signature: mai kimberly	Routing Symbol:	Date: 06/21/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-026	320	7	47	70	220	APPROVE

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

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/21/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 698219-026	320	7				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ST JOHNS	City : ST JOHNS	Ident : SJN	State : AZ
Type/Class : TACR	Frequency : M1157	Reference No.: 11065612	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704093-014	59	76	80	135	230

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

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/21/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-014	59	76	80	135	230	APPROVE

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

Signature: HEPSEN JOHN	Routing Symbol:	Date: 07/01/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-014	59	76	80	135	230	APPROVE

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

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/05/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-014	59	76				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ST JOHNS	City : ST JOHNS	Ident : SJN	State : AZ
Type/Class : TACR	Frequency : M1157	Reference No.: 12085572	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704093-027	89	119	55	199	220

Requirement: KRKEE RNAV STAR FOR KABQ

Signature: Peterson Stephen	Routing Symbol:	Date: 08/06/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-027	89	119	55	199	220	APPROVE

Requirement/Remarks: KRKEE RNAV STAR FOR KABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: HEPSEN JOHN	Routing Symbol:	Date: 08/06/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-027	89	119	55	199	220	APPROVE

Requirement/Remarks: KRKEE RNAV STAR FOR KABQAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 08/07/2012

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704093-027	89	119				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ZUNI	City : ZUNI	Ident : ZUN	State : AZ
Type/Class : TACR	Frequency : M1168	Reference No.: 11065607	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 020160-011	83	116	83	140	230

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

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/21/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 020160-011	83	116	83	140	230	APPROVE

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

Signature: HEPSEN JOHN	Routing Symbol:	Date: 07/01/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 020160-011	83	116	83	140	230	APPROVE

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

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/05/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 020160-011	83	116				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ZUNI	City : ZUNI	Ident : ZUN	State : AZ
Type/Class : TACR	Frequency : M1168	Reference No.: 11065608	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 020160-012	92	112	77	130	230

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

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/21/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 020160-012	92	112	77	130	230	APPROVE

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

Signature: HEPSEN JOHN	Routing Symbol:	Date: 07/01/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 020160-012	92	112	77	130	230	APPROVE

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

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 07/05/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 020160-012	92	112				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

US Department of Transportation
Federal Aviation Administration

STAR - Standard Terminal Arrival

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

(1) Transition Routes

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP / FIX / NAVAID	(d) To RNAV WP / FIX / NAVAID	(e) Mag Course / Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
KALSE	KALSE.KRKEE1	KALSE	KRKEE	024.45/51.68	FL200	12500		+FL210/-FL250
ST JOHNS	SJN.KRKEE1	SJN VORTAC	CABNO	070.25/31.76	FL250	10000		
			KRKEE	067.21/35.60	FL200	10800		+FL210/-FL250

(2) Arrival Route Description: LANDING RWY 3: FROM KRKEE ON TRACK 051.38/29.02 TO CROSS ELRRA AT OR ABOVE 14000 AND AT OR BELOW FL180 AT 250 KTS (MEA 11000), THEN ON TRACK 052.31/07.08 TO CROSS XMRKS AT OR ABOVE 11000 (MEA 9100), THEN ON TRACK 083.02/09.99 TO CROSS SHWNA AT OR ABOVE 9000 (MEA 9000), THEN ON TRACK 083.62/07.46 TO CROSS BIBQU AT OR ABOVE 8000 AT 210 KTS (MEA 7,800). EXPECT RNAV (RNP) APPROACH.
LANDING RWY 8: FROM KRKEE ON TRACK 051.38/29.02 TO CROSS ELRRA AT OR ABOVE 14000 AND AT OR BELOW FL180 AT 250 KTS (MEA 11000), THEN ON TRACK 052.31/07.08 TO CROSS XMRKS AT OR ABOVE 11000 XMRKS (MEA 9100), THEN ON TRACK 051.64/10.22 TO CROSS AMRRA AT OR ABOVE 10000 (MEA 8900), THEN ON TRACK 051.82/8.73 TO CROSS ABQ VORTAC AT 8000 AT 210 KTS (MEA 7800). EXPECT RNAV (RNP) APPROACH.
Continued on block 16...

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

(4) Fixes and/or Holding Patterns: CHART HOLDING AT ELRRA, LT, 051.38 INBOUND, 7 NM LEGS.
CHART HOLDING AT KRKEE, LT, 067.21 INBOUND, 11 NM LEGS.
CHART HOLDING AT CABNO, LT, 070.25 INBOUND, 12 NM LEGS.

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

QUALITY 1 CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
KRKEE RNAV	ONE	KRKEE.KRKEE1	NONE		

FAA Form 7100-4 (7/02)

(12) Airports Served

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

(13) Lost Communications Procedure: STANDARD

(14) Remarks: REFERENCE MAGNETIC VARIATION = KABQ 11E/1995

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

QUALITY CHECKED 1

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
KRKEE RNAV	ONE	KRKEE.KRKEE1	NONE		

(16) Continuation:

(2) Arrival Route Description:

LANDING RWY 21: FROM KRKEE ON TRACK 051.38/29.02 TO CROSS ELRRA AT OR ABOVE 14000 AND AT OR BELOW FL180 AT 250 KTS (MEA 11000), THEN ON TRACK 052.31/07.08 TO CROSS XMRKS AT OR ABOVE 11000 (MEA 9100), THEN ON TRACK 051.64/10.22 TO CROSS AMRRA AT OR ABOVE 10000 (MEA 8900), THEN ON TRACK 049.25/10.81 TO CROSS FOXRR AT 10000 (MEA 8,300). EXPECT RNAV (RNP) APPROACH.

LANDING RWY 26: FROM KRKEE ON TRACK 051.38/29.02 TO CROSS ELRRA AT OR ABOVE 14000 AND AT OR BELOW FL180 AT 250 KTS (MEA 11,000), THEN ON TRACK 052.31/07.08 TO CROSS XMRKS AT OR ABOVE 11000 (MEA 9,100), THEN ON TRACK 070.69/21.87 TO CROSS STIKI AT 10000 AT OR BELOW 210 KTS (MEA 9,000), THEN ON TRACK 075.75/03.45 TO CROSS BRNDO AT 9000 AT OR BELOW 210 KTS (MEA 7,700). THEN ON TRACK 075.75, EXPECT RNAV (RNP) APPROACH.

(17) Changes:

(18) Reasons for Changes:

8/28/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/5/2012.
1. CHANGED ALL RWY TRANSITIONS FROM EXPECTING RADAR VECTORS TO EXPECTING RNAV (RNP) APPROACH.
2. REMOVED "LANDING RWY" NOTES AND REPLACED WITH "NON-RNP AIRCRAFT" NOTE.
3. CHANGED BIBQU CROSSING ALTITUDE FROM AT 8000 TO AT OR ABOVE 8000.
4. CHANGED FOXRR CROSSING ALTITUDE FROM AT 9000 TO AT 10000.
5. CHANGED AMRRA CROSSING ALTITUDE FROM AT OR ABOVE 9000 TO AT OR ABOVE 10000

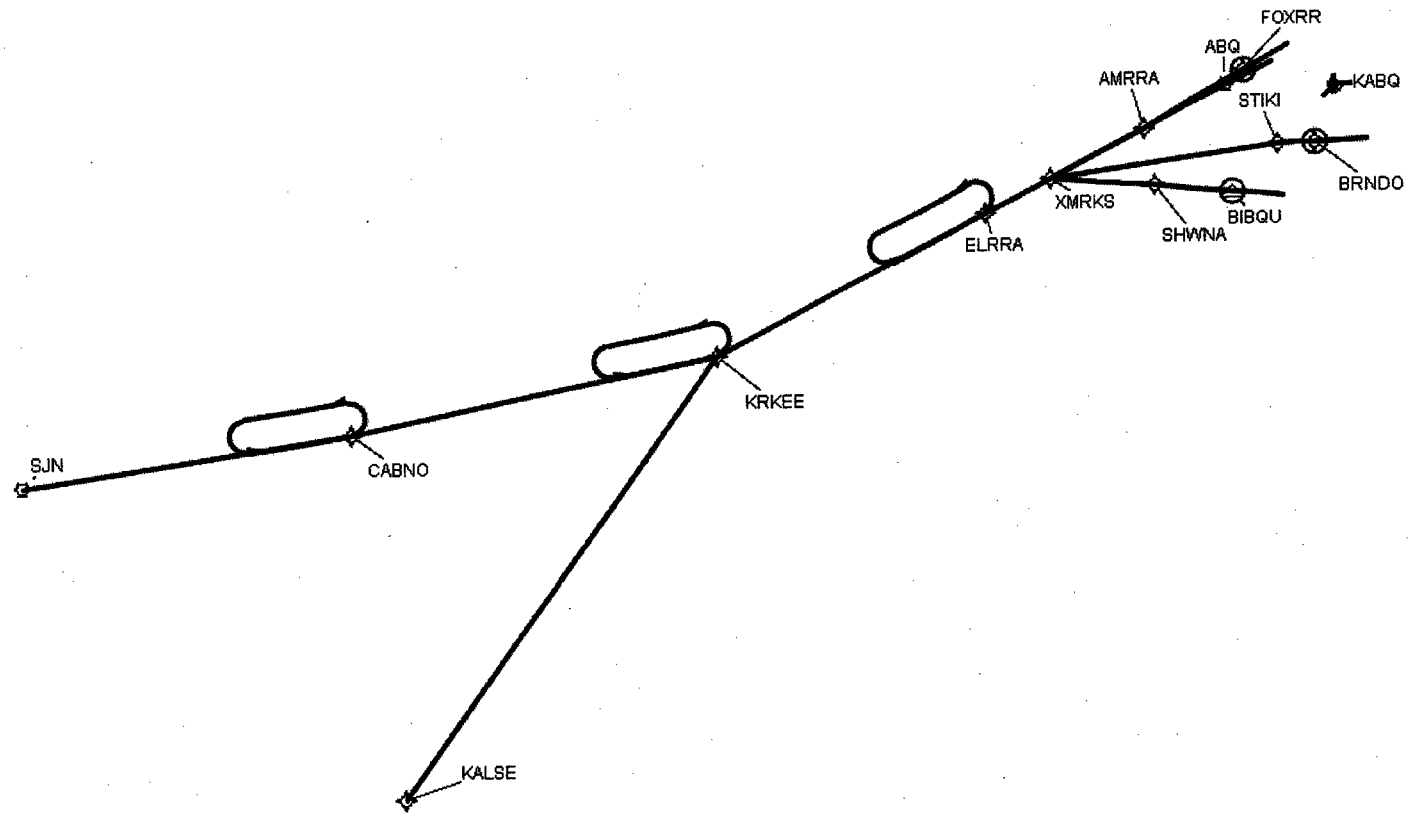
11/26/2012: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/9/2012.
1. CHANGED RWY 3 TRANSITION FIX NAME "ELRAA" TO "ELRRA."

QUALITY CHECKED

	Name (Typed and Signed), Title and Organization		DATE
Developed By	Leonie Sanmiguel, Support Manager, Airspace & Procedures, Albuquerque		
Approved	NFPG		
	Reg. ATD		

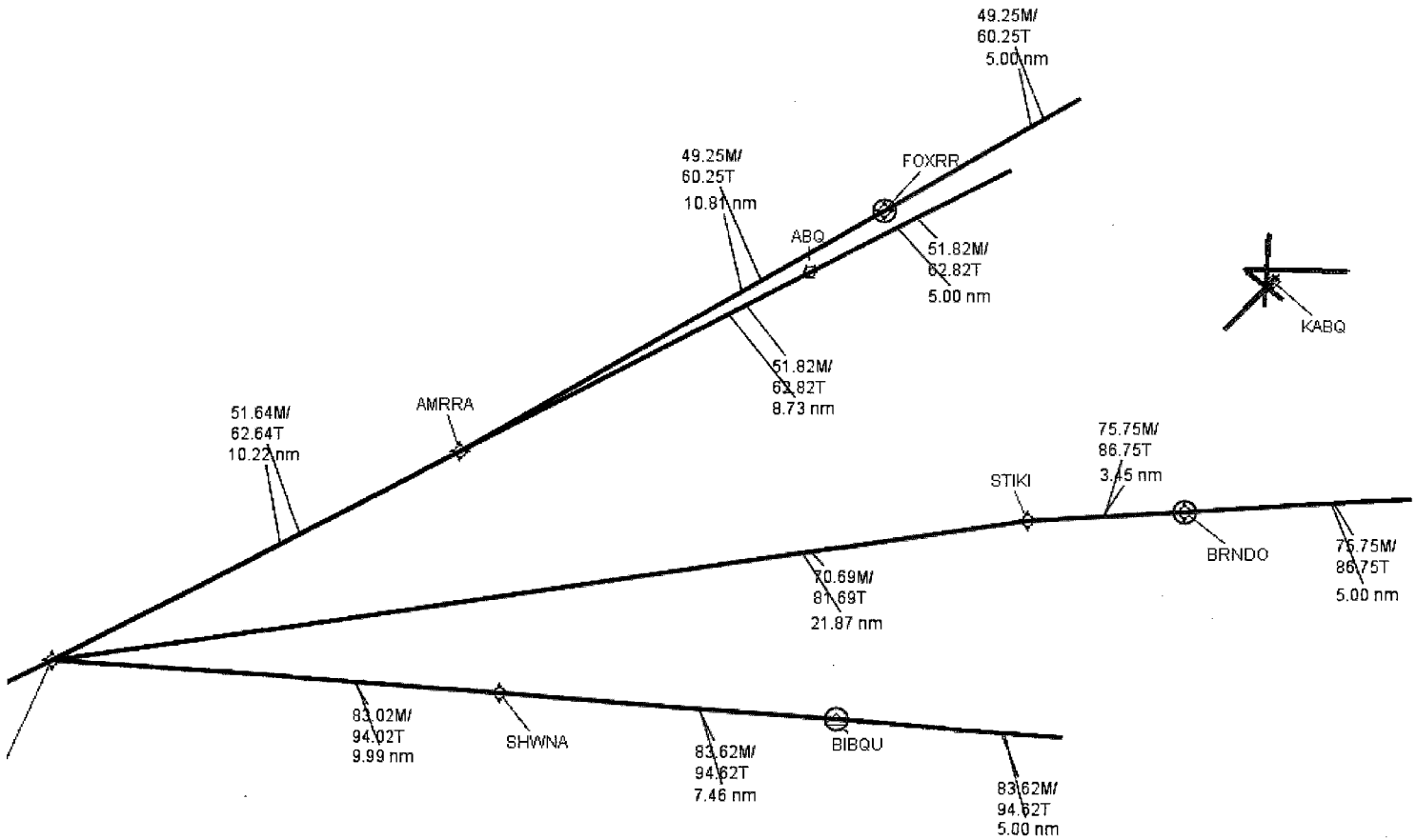
(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
KRKEE RNAV	ONE	KRKEE.KRKEE1	NONE		

(19) Graphic Depiction (1 of 14)



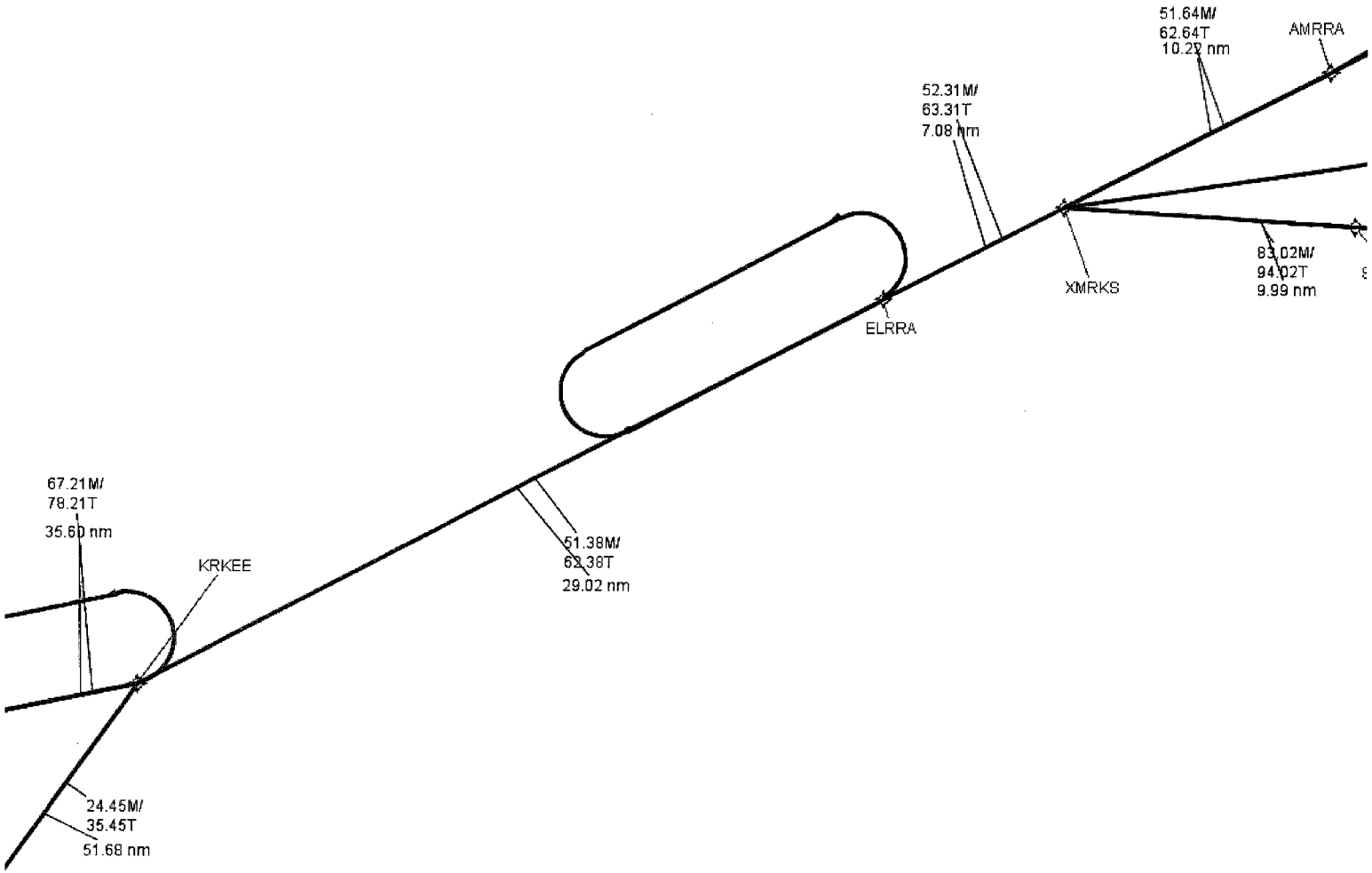
QUALITY CHECKED 1

(19) Graphic Depiction (2 of 14)

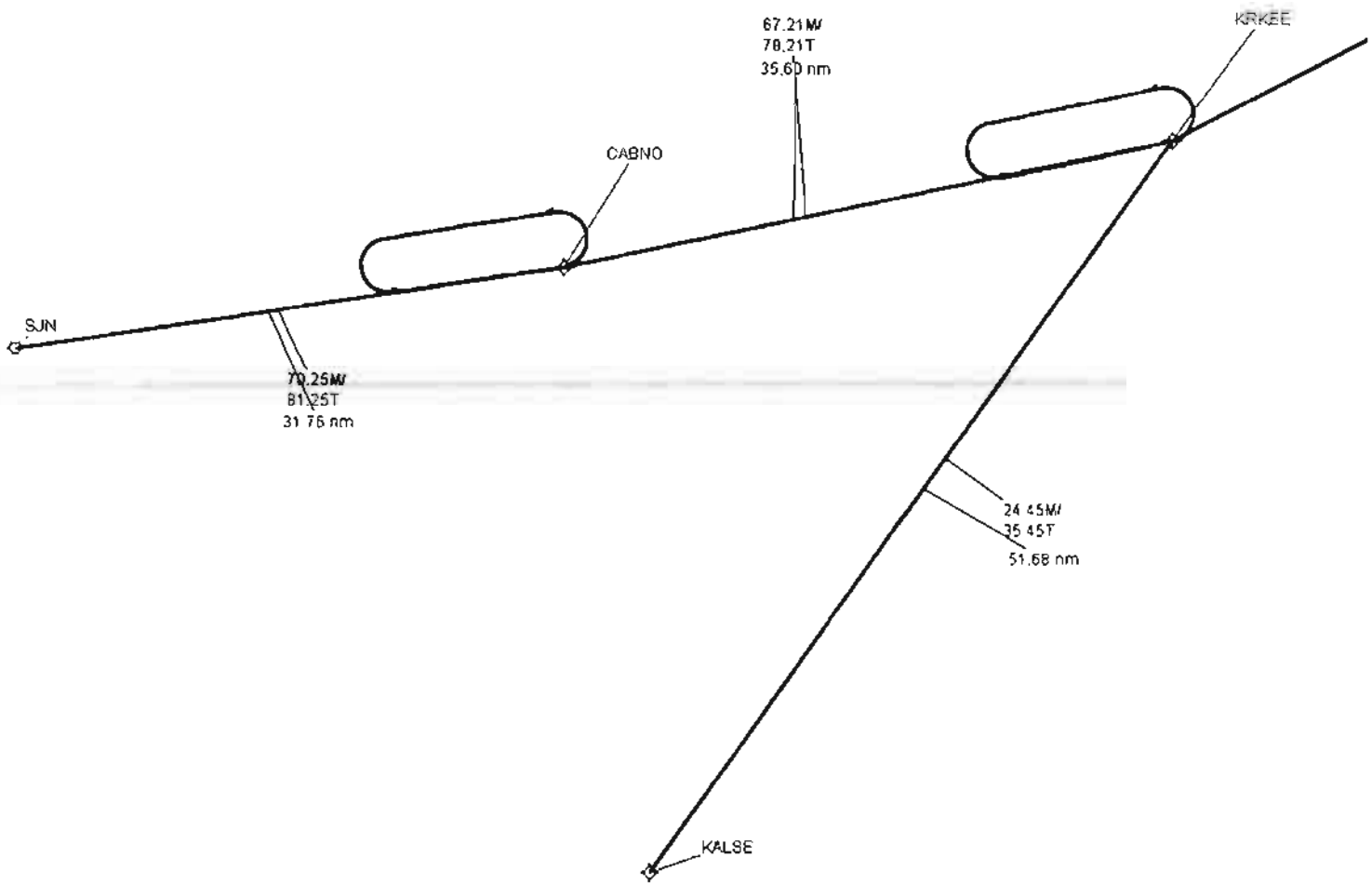


QUALITY CHECKED

(19) Graphic Depiction (3 of 14)

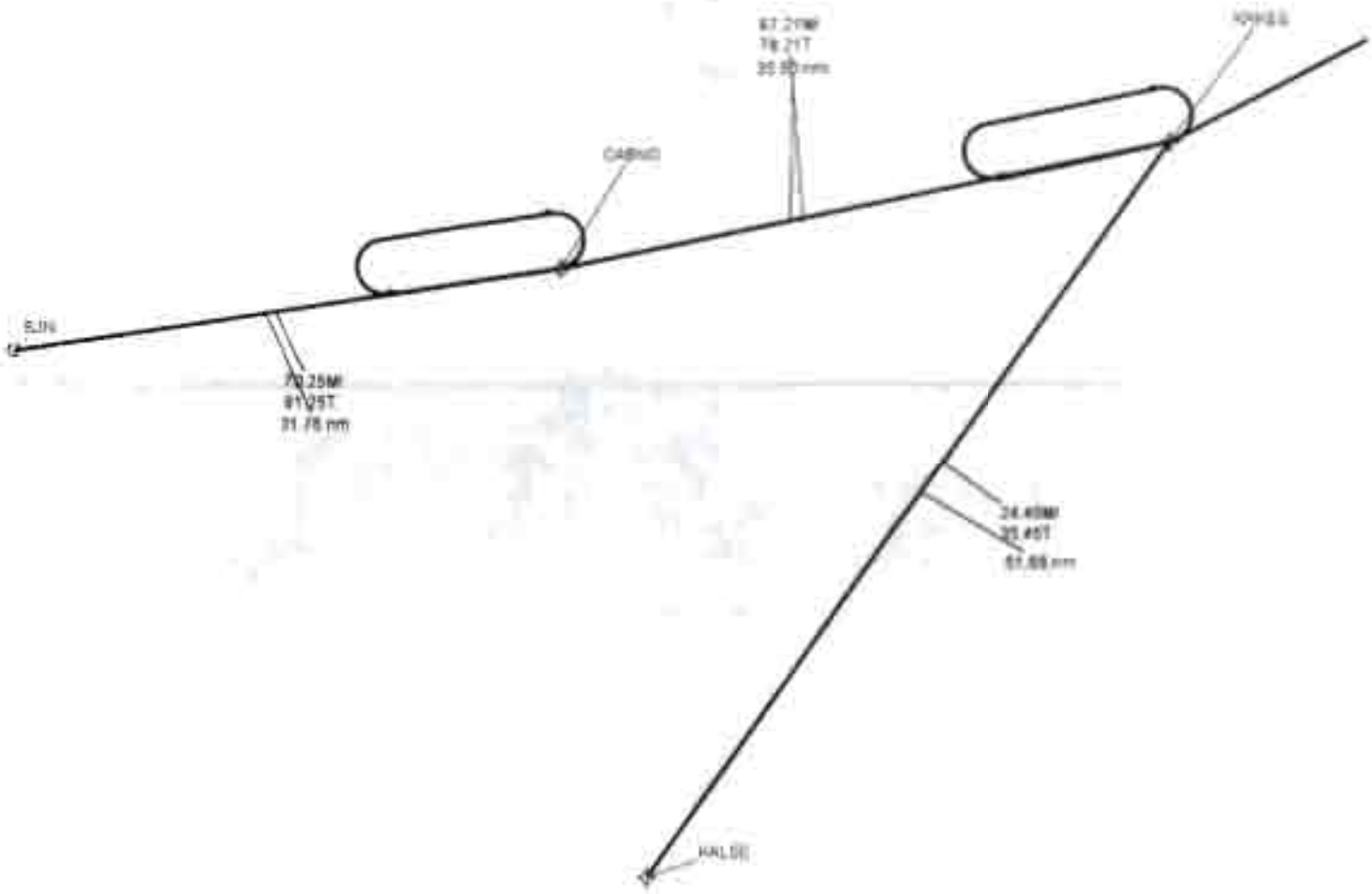


(19) Graphic Depiction (4 of 14)

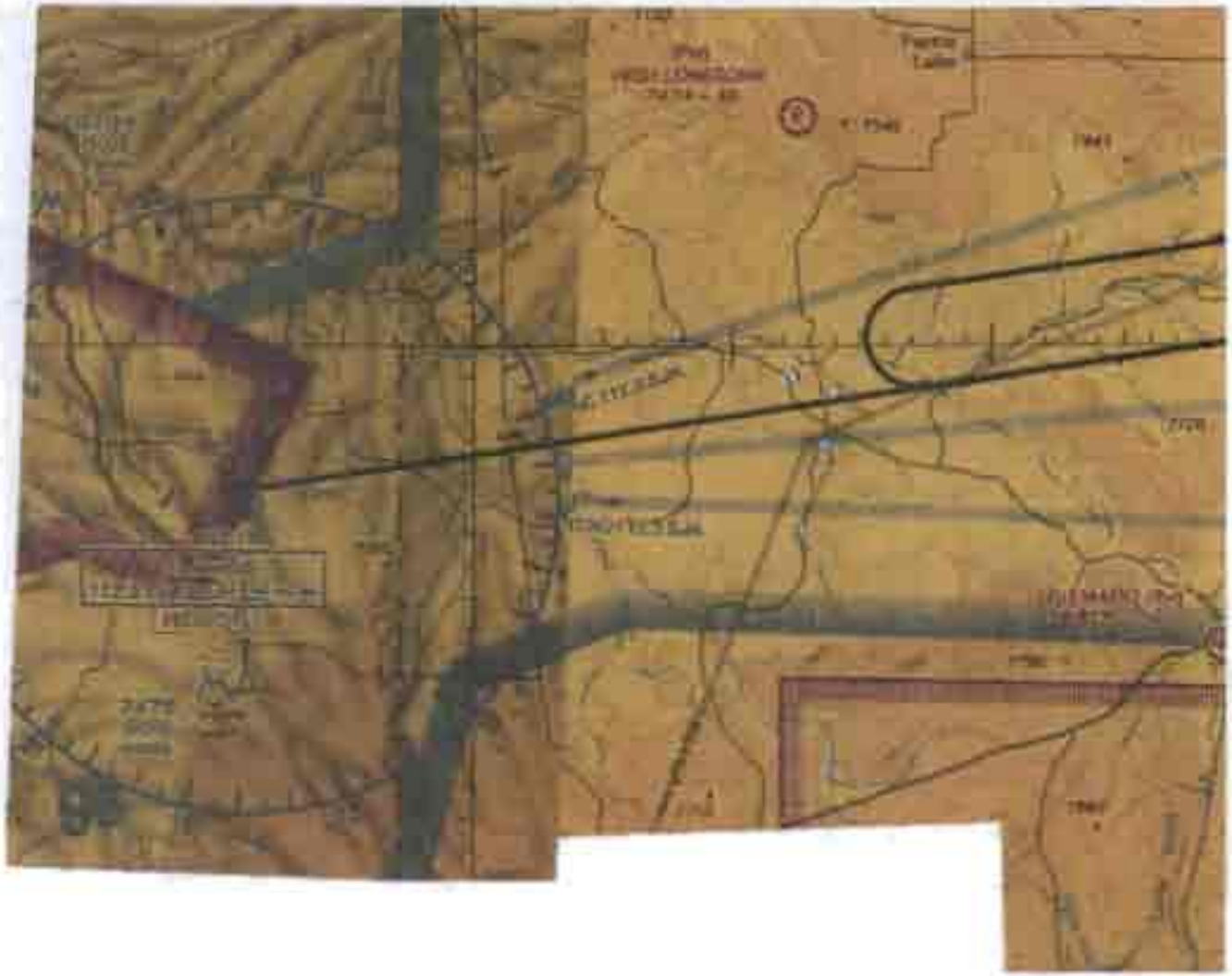


QUALITY CHECKED

(19) Graphic Depiction (4 of 14)

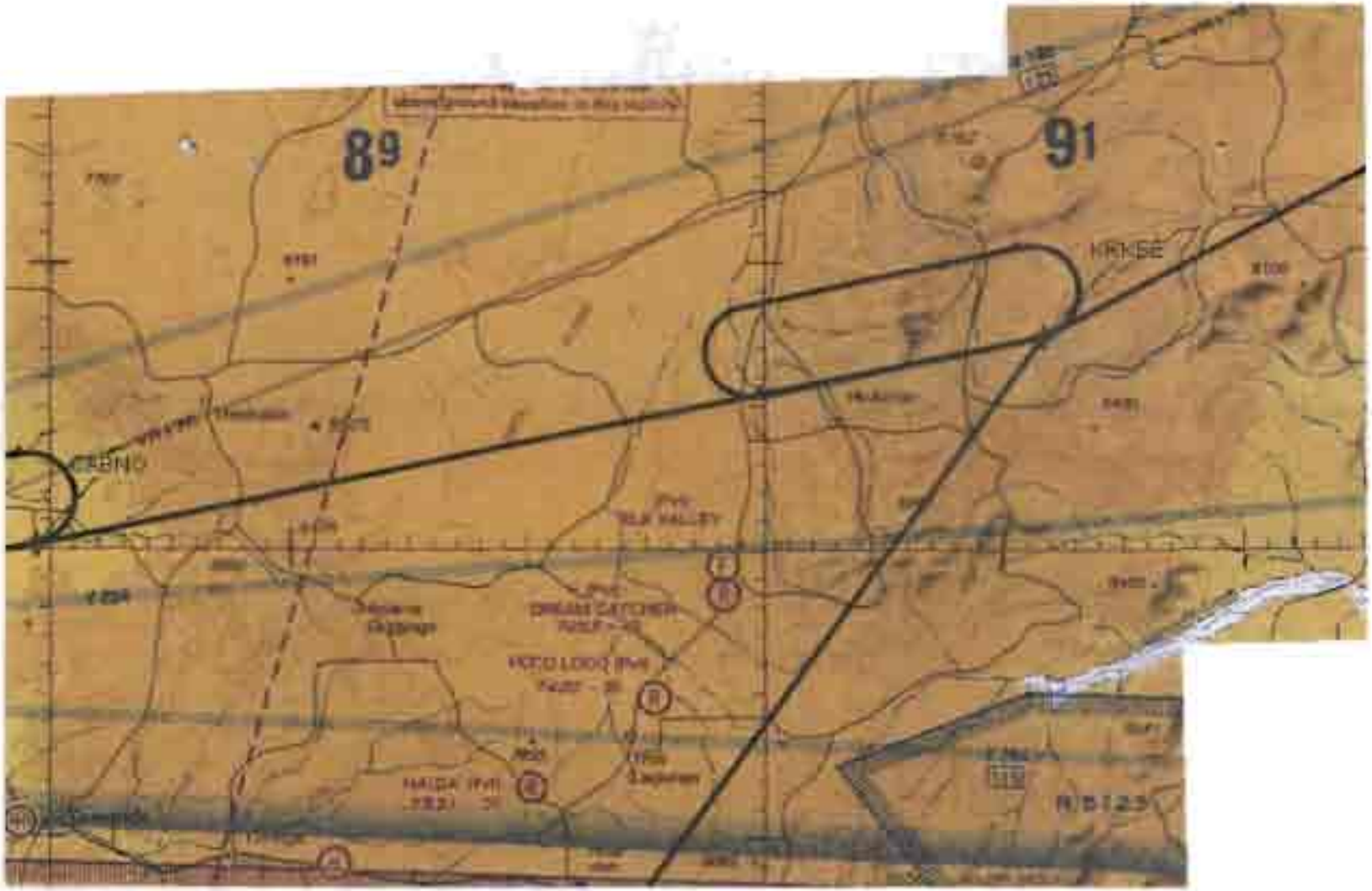


(19) Graphic Depiction (5 of 14)

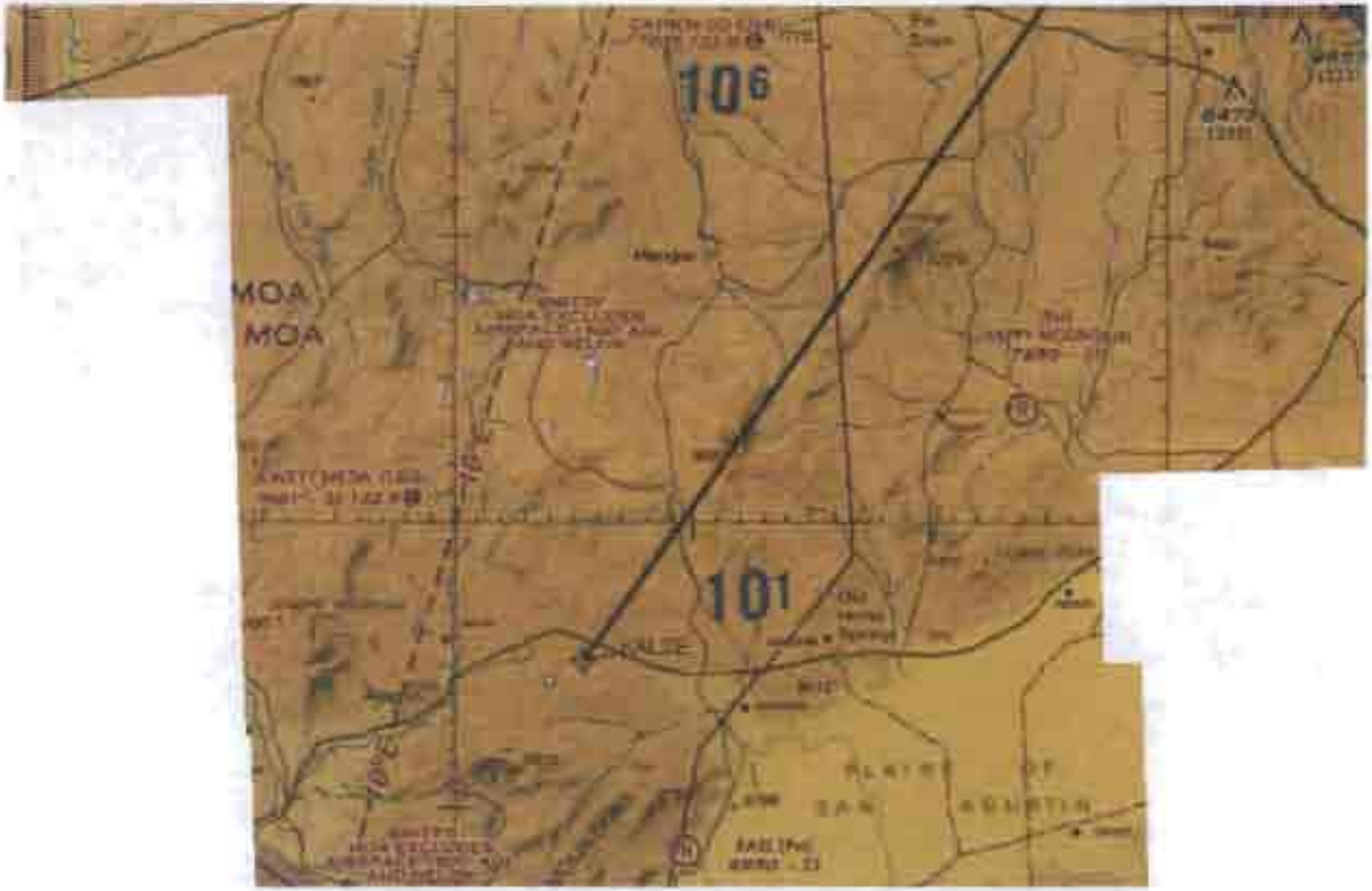


QUALITY CHECKED

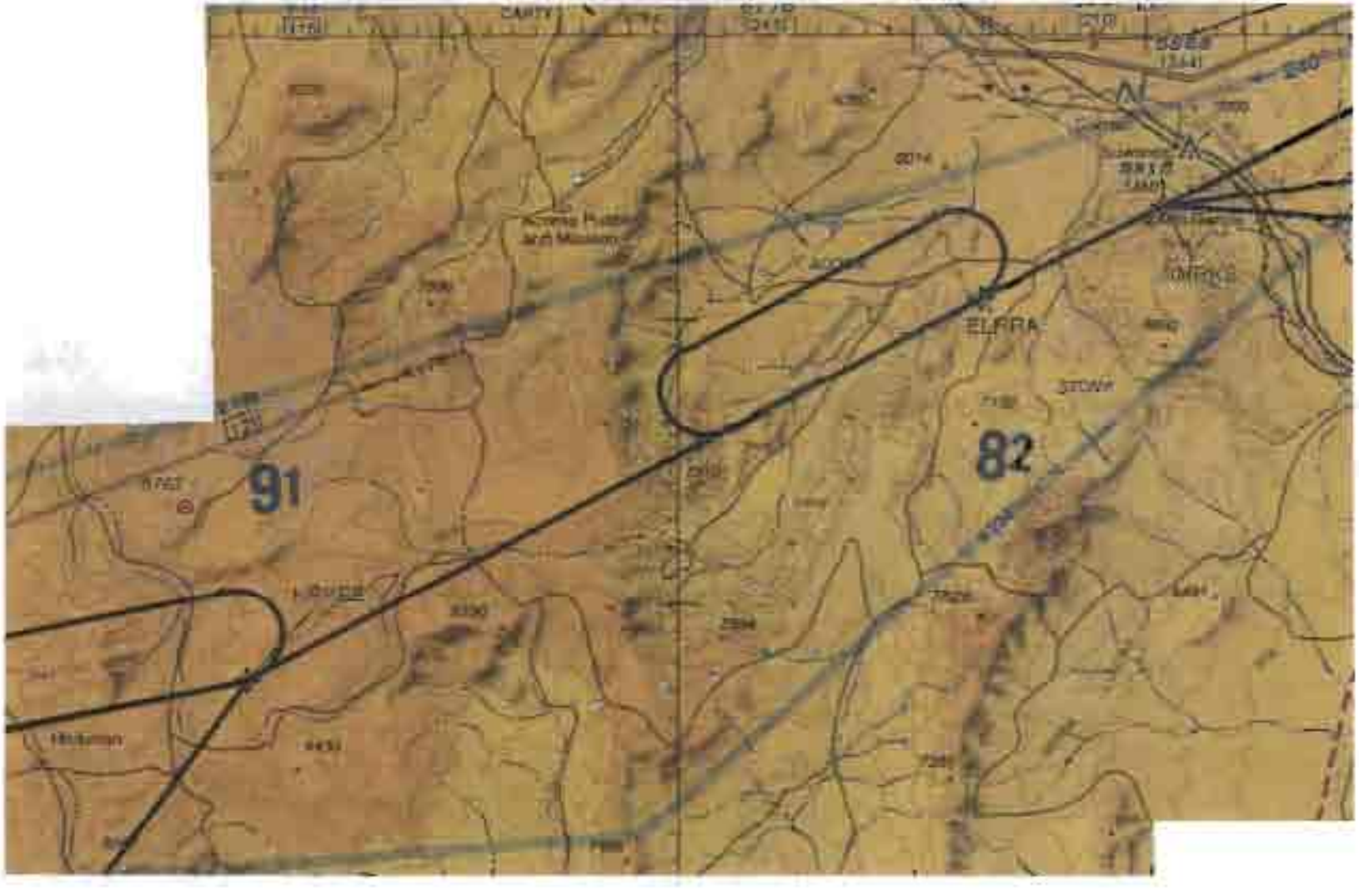
(19) Graphic Depiction (6 of 14)



(19) Graphic Depiction (7 of 14)

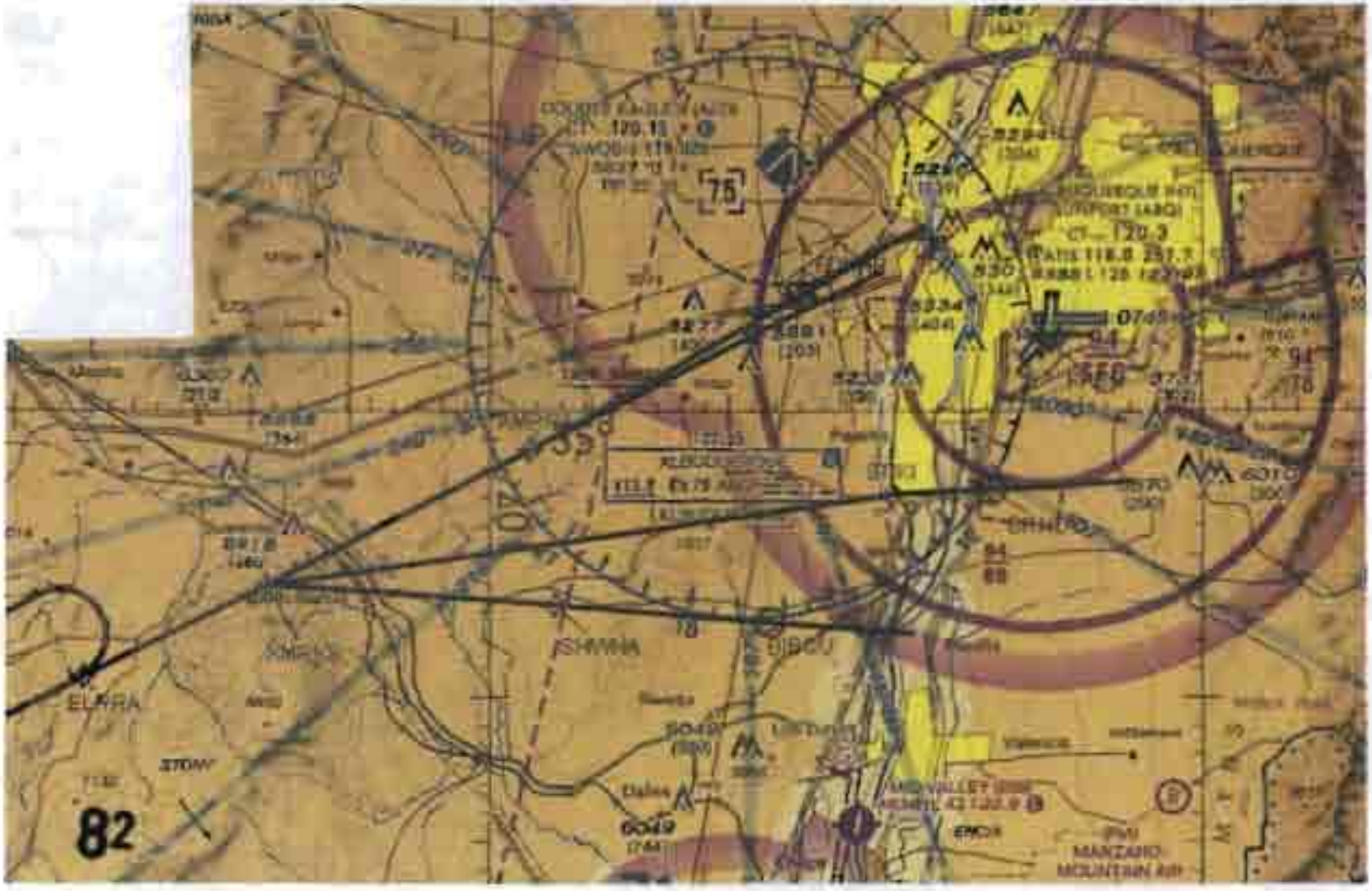


(19) Graphic Depiction (8 of 14)

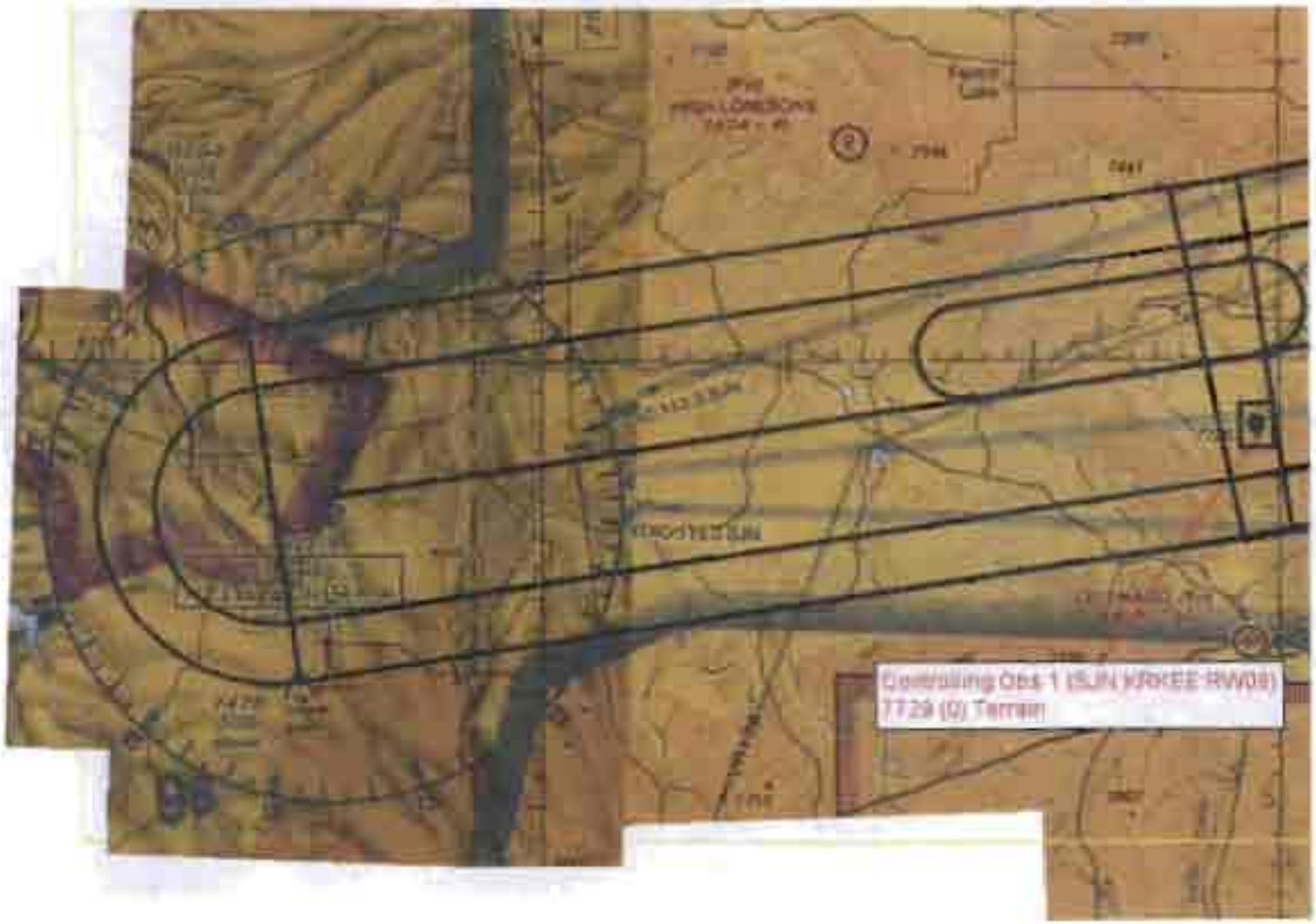


QUALITY CHECKED

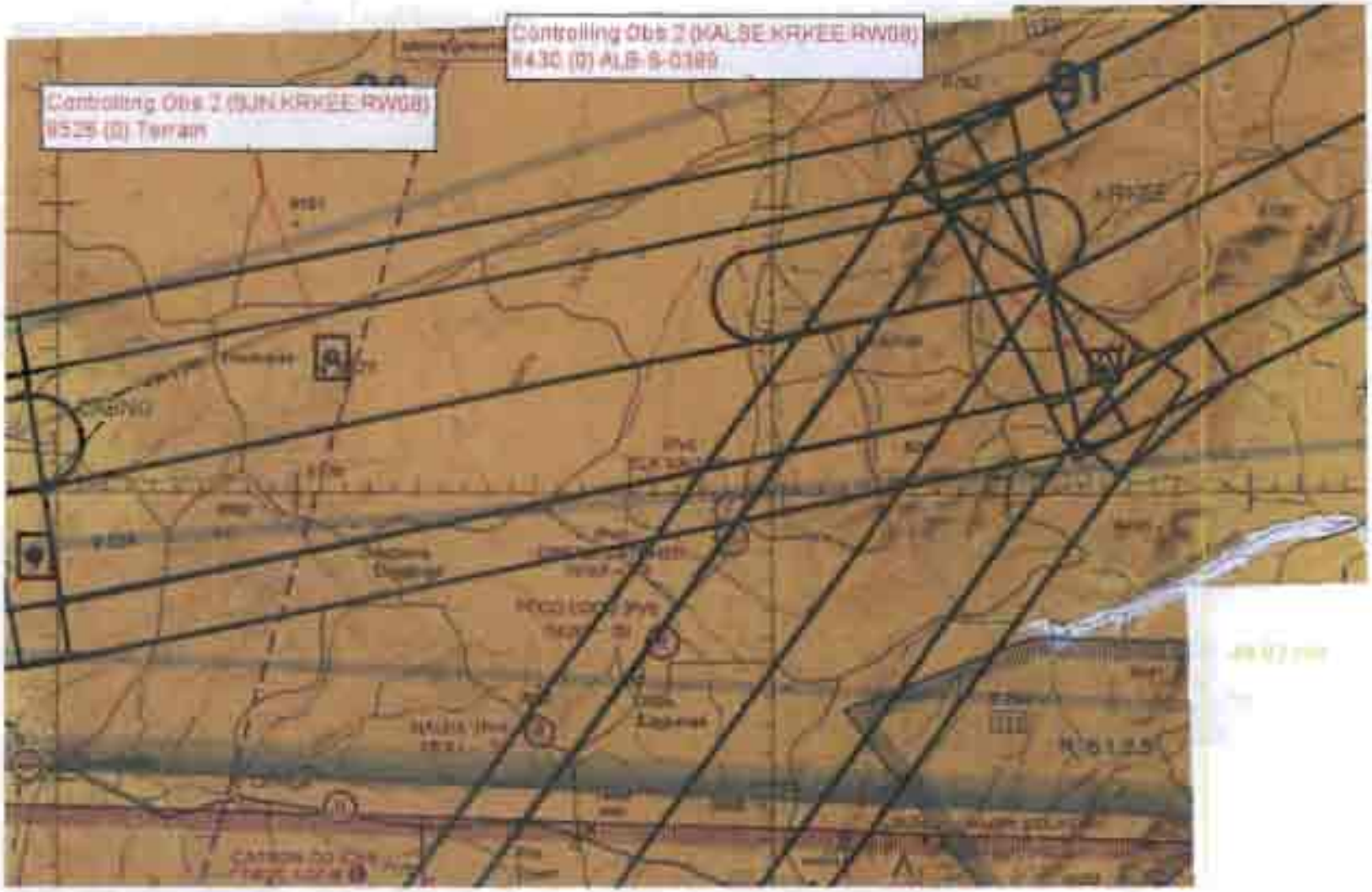
(19) Graphic Depiction (9 of 14)



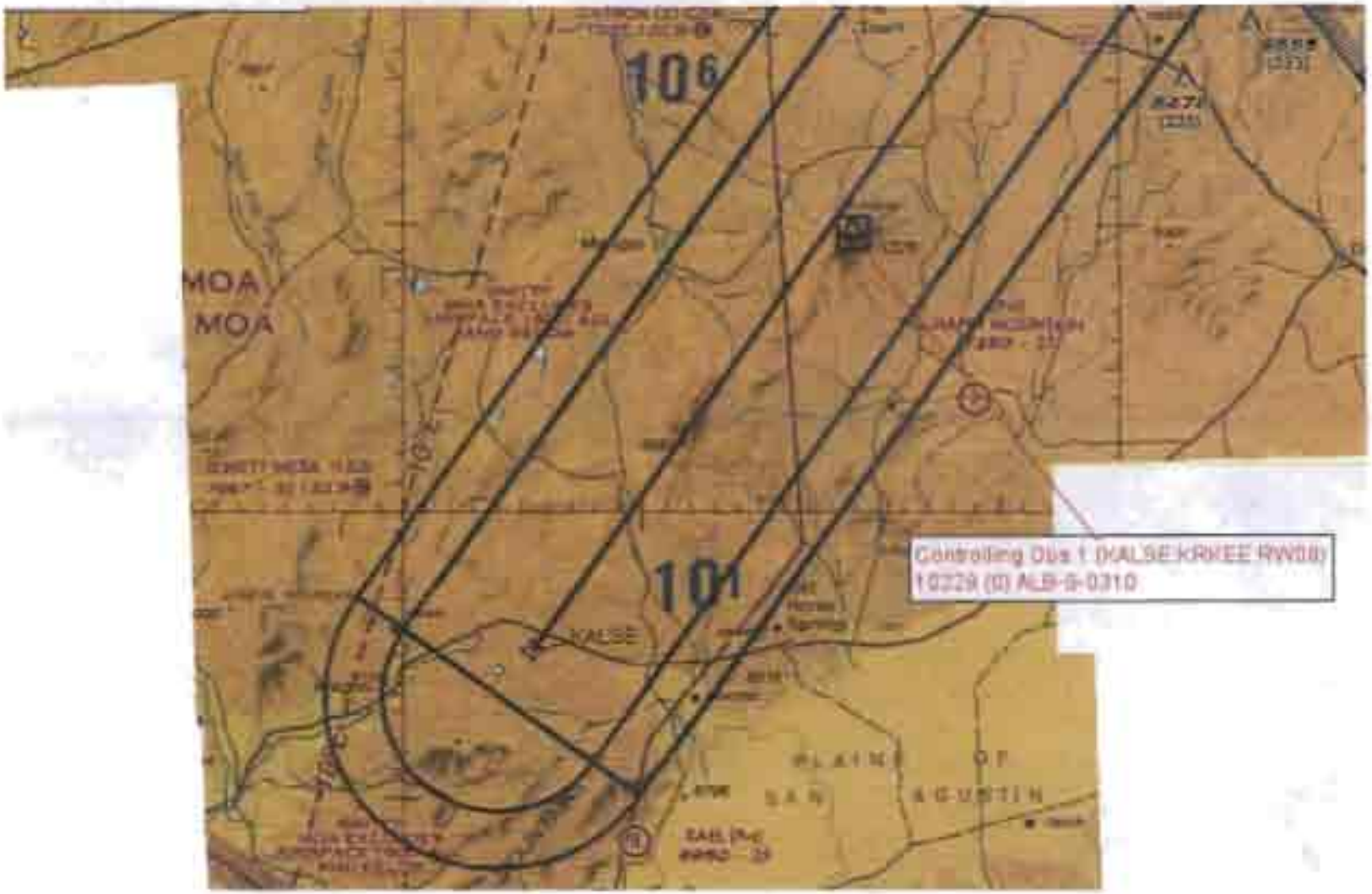
(19) Graphic Depiction (10 of 14)



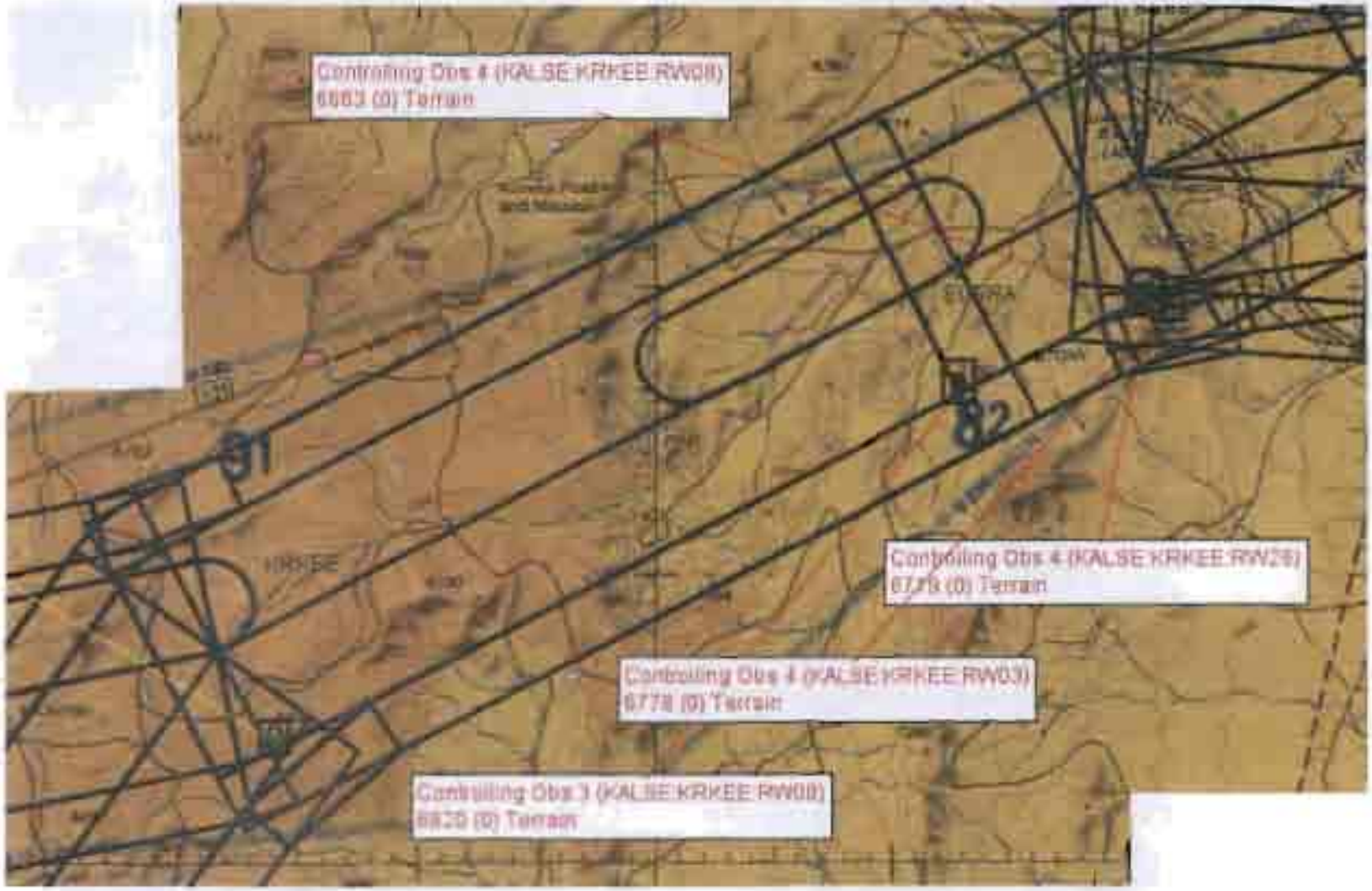
(19) Graphic Depiction (11 of 14)



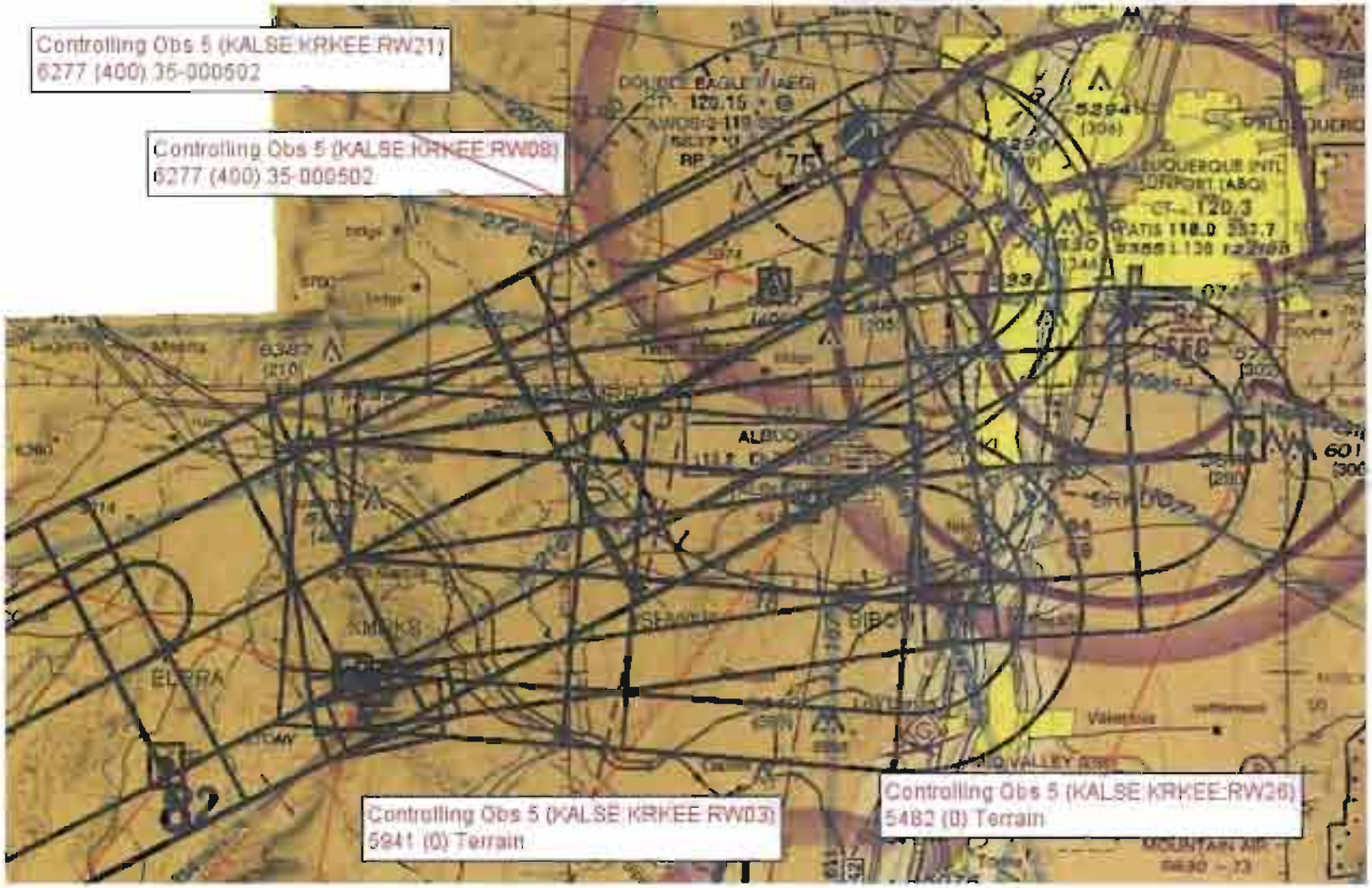
(19) Graphic Depiction (12 of 14)



(19) Graphic Depiction (13 of 14)



(19) Graphic Depiction (14 of 14)



US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
En Route Transition									
KALSE	335515.95N / 1082444.17W	Y		IF					KALSE.KRKEE1
KRKEE	343721.01N / 1074824.64W	Y	FB	TF	035.45	51.68	+FL210/-FL250	270	
En Route Transition									
SJN VORTAC	342526.55N / 1090836.71W	Y		IF					SJN.KRKEE1
CABNO	343011.00N / 1083038.00W	Y	FB	TF	081.25	31.76			HOLD W, LT, 070.25 INBOUND
KRKEE	343721.01N / 1074824.64W	Y	FB	TF	078.21	35.60	+FL210/-FL250	270	HOLD W, LT, 067.21 INBOUND
Common Route									
KRKEE	343721.01N / 1074824.64W	Y		IF			+FL210/-FL250		KRKEE.KRKEE1
ELRRA	345045.74N / 1071710.21W	Y	FB	TF	062.38	29.02	+14000/-FL180	250	HOLD SW, LT, 051.38 INBOUND
XMRKS	345356.73N / 1070928.58W	Y	FB	TF	063.31	07.08	+11000		
Runway Transition									
XMRKS	345356.73N / 1070928.58W	Y		IF			+11000		RW03.KRKEE1

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KRKEE RNAV	ONE	KRKEE.KRKEE1	NONE		

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US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
SHWNA	345314.06N / 1065721.57W	Y	FB	TF	094.02	09.99	+9000		
BIBQU	345237.59N / 1064819.02W	Y	FB	TF	094.62	07.46	+8000	210	
RW03									
Runway Transition									
XMRKS	345356.73N / 1070928.58W			IF			+11000		RW08.KRKEE1
AMRRA	345838.48N / 1065825.94W	Y	FB	TF	062.64	10.22	+10000		
ABQ VORTAC	350237.66N / 1064858.72W	Y	FB	TF	062.82	08.73	8000	210	
RW08									
Runway Transition									
XMRKS	345356.73N / 1070928.58W	Y		IF			+11000		RW21.KRKEE1
AMRRA	345838.48N / 1065825.94W	Y	FB	TF	062.64	10.22	+10000		
FOXRR	350400.40N / 1064659.76W	Y	FB	TF	060.25	10.81	10000		
RW21									

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KRKEE RNAV	ONE	KRKEE.KRKEE1	NONE		

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Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
Runway Transition									
XMRKS	345356.73N / 1070928.58W	Y		IF			+11000		RW26.KRKEE1
STIKI	345703.77N / 1064308.84W	Y	FB	TF	081.69	21.87	10000	- 210	
BRNDO	345715.45N / 1063857.26W	Y	FB	TF	086.75	03.45	9000	- 210	
RW26									

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KRKEE RNAV	ONE	KRKEE.KRKEE1	NONE		

QUALITY CHECKED

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US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ABQ   K2011320VTHA N35023766W106485872    N35023766W106485872E0130057492     NARALBUQUERQUE
        SUSAD        SJN   K2011230VTH  N34252655W109083671    N34252655W109083671E0120068402     NARST JOHNS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AMRRA K20    W   L N34583848W106582594                      E0092     NAR           AMRRA
        SUSAEAENRT   BIBQU K20    C   L N34523759W106481902                      E0091     NAR           BIBQU
        SUSAEAENRT   BRNDO K20    W   L N34571545W106385726                      E0091     NAR           BRNDO
        SUSAEAENRT   CABNO K20    W   H N34301100W108303800                      E0098     NAR           CABNO
        SUSAEAENRT   ELRRA K20    W   B N34504574W107171021                      E0093     NAR           ELRRA
        SUSAEAENRT   FOXRR K20    W   L N35040040W106465976                      E0091     NAR           FOXRR
        SUSAEAENRT   KALSE K20    W   H N33551595W108244417                      E0097     NAR           KALSE
        SUSAEAENRT   KRKEE K20    W   H N34372101W107482464                      E0095     NAR           KRKEE
        SUSAEAENRT   SHWNA K20    W   L N34531406W106572157                      E0092     NAR           SHWNA
        SUSAEAENRT   STIKI K20    W   L N34570377W106430884                      E0091     NAR           STIKI
        SUSAEAENRT   XMRKS K20    W   L N34535673W107092858                      E0093     NAR           XMRKS

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

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABQK2EKRKEE14KALSE 010KALSEK2EA0E       IF                                                  18000
        SUSAP KABQK2EKRKEE14KALSE 020KRKEEK2EA0EE   010TF                    02450517    B FL250FL210     270
        SUSAP KABQK2EKRKEE14SJN   010SJN  K2D 0V       IF                                                  18000
        SUSAP KABQK2EKRKEE14SJN   020CABNOK2EA0E  H 010TF                    07030318
        SUSAP KABQK2EKRKEE14SJN   030KRKEEK2EA0EE H 010TF                    06720356    B FL250FL210     270
        SUSAP KABQK2EKRKEE15      010KRKEEK2EA0E       IF                                B FL250FL21018000270
        SUSAP KABQK2EKRKEE15      020ELRRAK2EA0E  H 010TF                    05140290    B FL18014000     250
        SUSAP KABQK2EKRKEE15      030XMRKSK2EA0EE   010TF                    05230071    + 11000
        SUSAP KABQK2EKRKEE16RW03  010XMRKSK2EA0E       IF                                + 11000     18000
        SUSAP KABQK2EKRKEE16RW03  020SHWNAK2EA0E    010TF                    08300100    + 09000
        SUSAP KABQK2EKRKEE16RW03  030BIBQUK2EA0EE   010TF                    08360075    + 08000          210
```

QUALITY CHECKED 4

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KRKEE RNAV	ONE	KRKEE.KRKEE1	NONE		

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```
SUSAP KABQK2EKRKEE16RW08  010XMRKSK2EA0E       IF                          + 11000     18000
SUSAP KABQK2EKRKEE16RW08  020AMRRAK2EA0E    010TF                 05160102  + 10000
SUSAP KABQK2EKRKEE16RW08  030ABQ  K2D 0VE   010TF                 05180087    08000          210
SUSAP KABQK2EKRKEE16RW21  010XMRKSK2EA0E       IF                          + 11000     18000
SUSAP KABQK2EKRKEE16RW21  020AMRRAK2EA0E    010TF                 05160102  + 10000
SUSAP KABQK2EKRKEE16RW21  030FOXRRK2EA0EE   010TF                 04930108    10000
SUSAP KABQK2EKRKEE16RW26  010XMRKSK2EA0E       IF                          + 11000     18000
SUSAP KABQK2EKRKEE16RW26  020STIKIK2EA0E    010TF                 07070219    10000          210               -
SUSAP KABQK2EKRKEE16RW26  030BRNDOK2EA0EE   010TF                 07580035    09000          210               -
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABQK2GRW03    0100000338 N35012009W106375017+0100    +1595705305000060150IIBZY1
        SUSAP KABQK2GRW08    0137930794 N35023960W106370569+0300    +1598705315100054150IISPT1
        SUSAP KABQK2GRW21    0100002138 N35023027W106362546-0100    +1599205316000055150R
        SUSAP KABQK2GRW26    0137932595 N35023863W106343189-0300    +1611205355000050150R
```

QUALITY CHECKED 4

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KRKEE RNAV	ONE	KRKEE.KRKEE1	NONE		

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	KALSE	KALSE	010		IF		FB					
	KALSE	KRKEE	020		TF		FB	1.0	024.5()	051.7	BT FL250FL210	AT 270
	SJN	SJN	010		IF		FB					
	SJN	CABNO	020		TF		FB	1.0	070.3()	031.8		
	SJN	KRKEE	030		TF		FB	1.0	067.2()	035.6	BT FL250FL210	AT 270
		KRKEE	010		IF		FB				BT FL250FL210	AT 270
		ELRRA	020		TF		FB	1.0	051.4()	029.0	BT FL18014000	AT 250
		XMRKS	030		TF		FB	1.0	052.3()	007.1	AA 11000	
	RW03	XMRKS	010		IF		FB				AA 11000	
	RW03	SHWNA	020		TF		FB	1.0	083.0()	010.0	AA 09000	
	RW03	BIBQU	030		TF		FB	1.0	083.6()	007.5	AA 08000	AT 210
	RW08	XMRKS	010		IF		FB				AA 11000	
	RW08	AMRRA	020		TF		FB	1.0	051.6()	010.2	AA 10000	
	RW08	ABQ	030		TF		FB	1.0	051.8()	008.7	AT 08000	AT 210
	RW21	XMRKS	010		IF		FB				AA 11000	
	RW21	AMRRA	020		TF		FB	1.0	051.6()	010.2	AA 10000	
	RW21	FOXRR	030		TF		FB	1.0	049.3()	010.8	AT 10000	
	RW26	XMRKS	010		IF		FB				AA 11000	
	RW26	STIKI	020		TF		FB	1.0	070.7()	021.9	AT 10000	AB 210
	RW26	BRNDO	030		TF		FB	1.0	075.8()	003.5	AT 09000	AB 210

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
ABQ	N350237.66	W1064858.72	N3502.628	W10648.979
SJN	N342526.55	W1090836.71	N3425.443	W10908.612
AMRRA	N345838.48	W1065825.94	N3458.641	W10658.432
BIBQU	N345237.59	W1064819.02	N3452.627	W10648.317
BRNDO	N345715.45	W1063857.26	N3457.258	W10638.954
CABNO	N343011.00	W1083038.00	N3430.183	W10830.633
ELRRA	N345045.74	W1071710.21	N3450.762	W10717.170
FOXRR	N350400.40	W1064659.76	N3504.007	W10646.996
KALSE	N335515.95	W1082444.17	N3355.266	W10824.736
KRKEE	N343721.01	W1074824.64	N3437.350	W10748.411
SHWNA	N345314.06	W1065721.57	N3453.234	W10657.360
STIKI	N345703.77	W1064308.84	N3457.063	W10643.147
XMRKS	N345356.73	W1070928.58	N3453.946	W10709.476
RW03	N350120.09	W1063750.17	N3501.335	W10637.836
RW08	N350239.60	W1063705.69	N3502.660	W10637.095

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KRKEE RNAV	ONE	KRKEE.KRKEE1	NONE		

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RW21	N350230.27	W1063625.46	N3502.505	W10636.424
RW26	N350238.63	W1063431.89	N3502.644	W10634.532

RUNWAY DATA

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

QUALITY CHECKED 4

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KRKEE RNAV	ONE	KRKEE.KRKEE1	NONE		

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 350237.66N/1064858.72W **TYPE:**

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

FIX MAKE-UP FACILITIES:

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

FIX RESTRICTIONS:
MCA V68 10000 SOUTHEAST BOUND
MCA V190 11500 NORTHEAST BOUND
MCA V12 10700 EASTBOUND

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	ABQ	VORTAC	257.00	077.00	L	1-1 1/2		8000	29000	8	22
2	W		WP	259.00	079.00	L		7	8000	14000	9	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	350259.50N/1071124.70W	6900	6A
1	230	AAO	350415.00N/1070839.00W	6641	4E
1	310	AAO	350259.50N/1071124.70W	6900	6A
2	230	AAO	350418.00N/1070845.00W	6644	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 AVOID INBOUND/OUTBOUND TRAFFIC
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:
UNPLANNED HOLDING NA R-360 CW TO R-110. UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 8900 R-110 CW TO R-167. UNPLANNED HOLDING NA BELOW 10000 R-167 CW TO R-359.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 3	KABQ	ALBUQUERQUE	NM (US)
1	TAKEOFF MINIMUMS	KABQ	ALBUQUERQUE	NM (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHEZZ (RNAV)			KPHX	PHOENIX	AZ (US)
DP	RIMMM (RNAV)			KPHX	PHOENIX	AZ (US)
DP	ST. JOHNS			KPHX	PHOENIX	AZ (US)
DP	SCOTTSDALE			KSDL	SCOTTSDALE	AZ (US)
DP	ADYOS (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	ALBUQUERQUE		1	KABQ	ALBUQUERQUE	NM (US)
DP	LARGO		1	KABQ	ALBUQUERQUE	NM (US)
DP	TAKEOFF MINIMUMS		1	KABQ	ALBUQUERQUE	NM (US)
DP	ZIASE			KSAF	SANTA FE	NM (US)
EN ROUTE	J13					(US)
EN ROUTE	J15					(US)
EN ROUTE	J18					(US)
EN ROUTE	J57					(US)
EN ROUTE	J6					(US)
EN ROUTE	J72					(US)
EN ROUTE	J78					(US)
EN ROUTE	V12					(US)
EN ROUTE	V187					(US)
EN ROUTE	V190					(US)
EN ROUTE	V234					(US)
EN ROUTE	V263					(US)
EN ROUTE	V291					(US)
EN ROUTE	V60					(US)
EN ROUTE	V611					(US)
EN ROUTE	V68					(US)
IAP	HI TACAN RWY 8		1	KABQ	ALBUQUERQUE	NM (US)
IAP	HI-ILS OR LOC RWY 8			KABQ	ALBUQUERQUE	NM (US)
IAP	ILS OR LOC RWY 3		1	KABQ	ALBUQUERQUE	NM (US)
IAP	ILS OR LOC RWY 8		1	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) RWY 17		2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) RWY 35		2	KABQ	ALBUQUERQUE	NM (US)

QUALITY CHECKED 4

IAP	RNAV (GPS) Y RWY 3		KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) Y RWY 8		KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Y RWY 21	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Y RWY 26	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 21	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 26	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 3	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 8	2	KABQ	ALBUQUERQUE	NM (US)
IAP	VOR OR TACAN RWY 8	1	KABQ	ALBUQUERQUE	NM (US)
IAP	ILS RWY 22		KAEG	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) RWY 22		KAEG	ALBUQUERQUE	NM (US)
STAR	CURLY		KABQ	ALBUQUERQUE	NM (US)
STAR	FRIHO		KABQ	ALBUQUERQUE	NM (US)
STAR	KRKEE (RNAV)		KABQ	ALBUQUERQUE	NM (US)
STAR	LAVAN		KABQ	ALBUQUERQUE	NM (US)
STAR	MIERA		KABQ	ALBUQUERQUE	NM (US)
STAR	CURLY		KAEG	ALBUQUERQUE	NM (US)
STAR	FRIHO		KAEG	ALBUQUERQUE	NM (US)
STAR	LAVAN		KAEG	ALBUQUERQUE	NM (US)
STAR	MIERA		KAEG	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
UPDATED PAT 1 HOLDING CONTROLLING OBSTACLE; NO IMPACT ON MINIMUM HOLDING ALTITUDE.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 05/09/2012 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

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

SIGNATURE:

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

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: AMRRA **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345838.48N/1065825.94W **TYPE:** WP

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

FIX USE:

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

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

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

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

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BIBQU **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345237.59N/1064819.02W **TYPE:** WP, RADAR, INT

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ALBUQUERQUE	I-BZY	LOC		213.80	224.80		14.01		8000	10000
2	ALBUQUERQUE	ABQ	VORTAC	H	163.88	176.88		10.00		8000	10000

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW		WP	213.69	033.69	R		7	8000	12000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	344806.00N/1064757.00W	6185	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 3	1, 2		KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) Y RWY 3		1	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 3			KABQ	ALBUQUERQUE	NM (US)
STAR	KRKEE (RNAV)			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
ADDED STAR TO REQUIRED CHARTING.

DEVELOPED BY: **DATE:** 07/19/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

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

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BRNDO **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345715.45N/1063857.26W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)
STAR	KRKEE (RNAV)			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/12/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CABNO **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 343011.00N/1083038.00W **TYPE:** WP

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W		WP	250.25	070.25	L		12	25000	40000	21	28

REASON FOR NONSTANDARD HOLDING:
PAT 1 TO AVOID CATO AND SMITTY MOA AREAS.

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

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

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

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

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

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ELRRA **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345045.74N/1071710.21W **TYPE:** WP

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW		WP	231.38	051.38	L		7	11000	18000	10	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	344539.00N/1073636.00W	7569	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

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

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

COMPULSORY REPORTING POINT: NO

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

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

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

SIGNATURE:

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

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FOXRR **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350400.40N/1064659.76W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ATOMK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Y RWY 21			KABQ	ALBUQUERQUE	NM (US)
STAR	KRKEE (RNAV)			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

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

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

DEVELOPED BY: **DATE:** 07/19/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KALSE **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 335515.95N/1082444.17W **TYPE:** WP

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

FIX USE:

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

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

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

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

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** JILL OLSON

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: KRKEE **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 343721.01N/1074824.64W **TYPE:** WP

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW		WP	247.21	067.21	L		11	20000	25000	18	21

REASON FOR NONSTANDARD HOLDING:
PAT 1 TO AVOID R-5123

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

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

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

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

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

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SHWNA **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345314.06N/1065721.57W **TYPE:** WP

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

FIX USE:

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

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

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

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

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: STIKI **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345703.77N/1064308.84W **TYPE:** WP

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

FIX USE:

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

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

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

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

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: XMRKS **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345356.73N/1070928.58W **TYPE:** WP

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

FIX USE:

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

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

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

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

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SAINT JOHNS VORTAC **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 342526.55N/1090836.71W **TYPE:**

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SAINT JOHNS	SJN	VORTAC	H							45000

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	SJN	VORTAC	059.00	239.00	R	1-1 1/2		9000	17500	9	16
2	NE		WP	059.00	239.00	R		7	9000	17500	10	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	342106.00N/1090418.00W	7294	4E
1	310	AAO	343700.00N/1084548.00W	7750	4E
2	230	AAO	342043.00N/1090418.00W	7304	4E
2	310	AAO	343702.00N/1084548.00W	7750	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

INFO ONLY

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR/DME-A	KSJN	ST JOHNS	AZ (US)
1	TEXTUAL DEPARTURE	KSJN	ST JOHNS	AZ (US)

REMARKS:
ADDITIONAL CONTROLLED AIRSPACE REQUIRED TO ENCOMPASS HOLDING (P-16).
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAXXO			KPHX	PHOENIX	AZ (US)
DP	ST JOHNS			KPHX	PHOENIX	AZ (US)
DP	SCOTTSDALE			KSDL	SCOTTSDALE	AZ (US)
DP	TEXTUAL DEPARTURE		1	KSJN	ST JOHNS	AZ (US)
DP	CAMBA			KTYL	TAYLOR	AZ (US)
DP	ALBUQUERQUE			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)
EN ROUTE	J108					(US)
EN ROUTE	J18					(US)
EN ROUTE	J231					(US)
EN ROUTE	J74					(US)
EN ROUTE	V190					(US)
EN ROUTE	V234					(US)
EN ROUTE	V264					(US)
EN ROUTE	V528					(US)
IAP	RNAV (GPS) RWY 24			KSOW	SHOW LOW	AZ (US)
IAP	RNAV (GPS) RWY 21			KD68	SPRINGERVILLE	AZ (US)
IAP	RNAV (GPS) RWY 14		2	KSJN	ST JOHNS	AZ (US)
IAP	RNAV (GPS) RWY 32		2	KSJN	ST JOHNS	AZ (US)
IAP	VOR/DME-A		1	KSJN	ST JOHNS	AZ (US)
IAP	GPS RWY 21			KTYL	TAYLOR	AZ (US)
IAP	HI-ILS OR LOC RWY 8			KABQ	ALBUQUERQUE	NM (US)
IAP	HI-TACAN RWY 8			KABQ	ALBUQUERQUE	NM (US)
STAR	BUNTR			KPHX	PHOENIX	AZ (US)
STAR	KRKEE (RNAV)			KABQ	ALBUQUERQUE	NM (US)
STAR	LAVAN			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 05/05/2011

REASON FOR REVISION:
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/19/2010 **OFFICE:** AVN-130 **NAME:** TOBY HUFF (VINNY WILLIS)

QUALITY CHECKED

APPROVED BY: **DATE:** 02/24/2011 **OFFICE:** AVN-130 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZAB
ATC FACILITY:
OTHER:

INFO ONLY

QUALITY CHECKED

Name:	enanders
Project Name:	
Output File:	KRKEE STAR KALSE BIBQU 20120904_1419
Procedure Name:	KRKEE
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	9/4/2012 2:19:21 PM
Input File:	KABQ KRKEE STAR KALSE BIBQU 20120419_1003.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 09/28/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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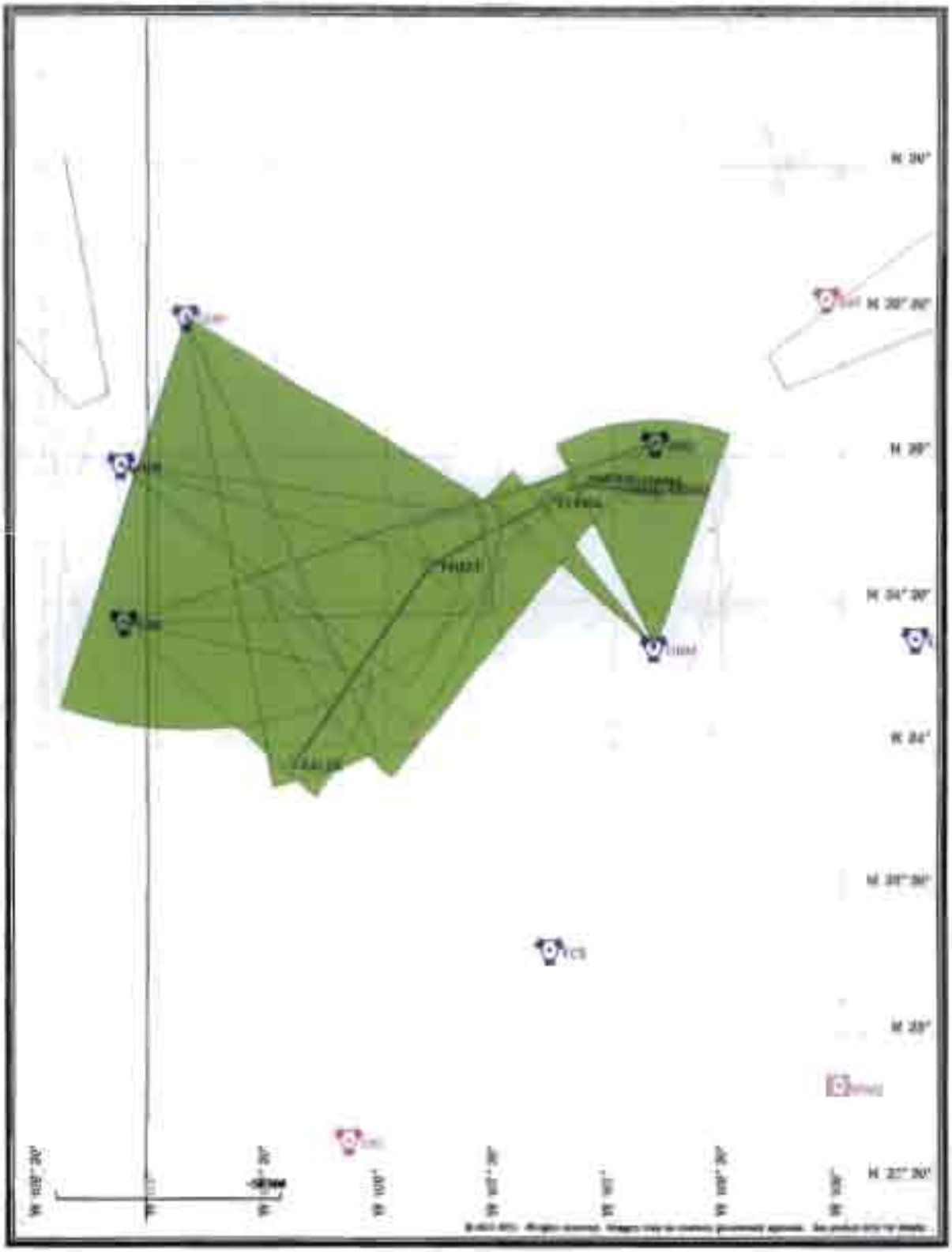


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
KALSE	WP	N 33° 55' 15.95" W 108° 24' 44.17"	20000.0	Step	300.0	Fly By	TF
KRKEE	WP	N 34° 37' 21.01" W 107° 48' 24.64"	20000.0	Step	270.0	Fly By	TF
ELRRA	WP	N 34° 50' 45.74" W 107° 17' 10.21"	11000.0	Step	250.0	Fly By	TF
XMRKS	WP	N 34° 53' 56.73" W 107° 9' 28.58"	9100.0	Step	180.0	Fly By	TF
SHWNA	WP	N 34° 53' 14.06" W 106° 57' 21.57"	9000.0	Step	180.0	Fly By	TF
BIBQU	WP	N 34° 52' 37.59" W 106° 48' 19.02"	7800.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

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

Table

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

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

Entire track is fly-able

DME/DME

Return To Summary

Settings:

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

Total Number of DMEs Used: 5

Maximum DME Error: 0.706 NM

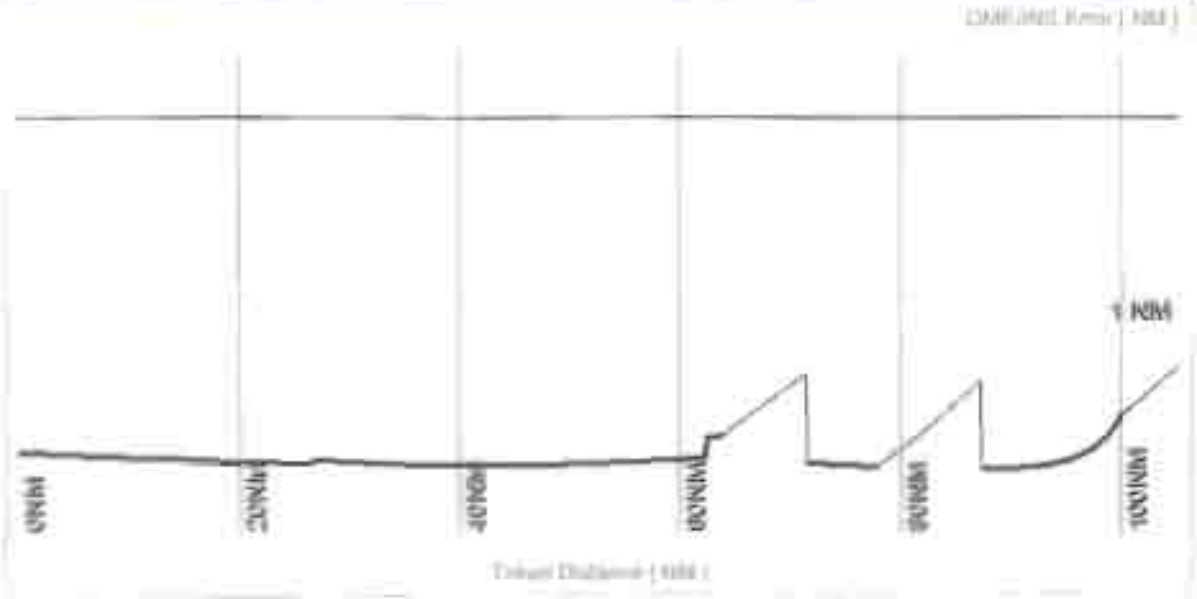
2 Critical DMEs were found.

Available DMEs: GUP, ONM, SJN, TCS, ABQ, ZUN

Duplicate DMEs: SJN

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	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H + ESV	User	NO	0.766	Enabled	46.5 %	50.0 %
2	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	YES	**1.957**	Enabled	34.2 %	33.0 %
3	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H + ESV	User	YES	**1.957**	Enabled	61.7 %	62.6 %
4	TCS	N 33° 16' 57.01" W 107° 16' 49.95" E 13	H	Database	NO	0.706	Enabled	9.7 %	10.5 %
5	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H + ESV	User	NO	0.706	Enabled	1.3 %	1.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ONM	GUP	SJN	TCS	ABQ	ZUN
30.4	ONM	GUP	SJN	ZUN	ABQ	
50.8	ONM	GUP	SJN	ZUN	ABQ	
80.6	ABQ					
87.1	ABQ	ONM				
97.7	ABQ	ONM				

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 42' 55.74" W 107° 35' 28.87"	N 34° 46' 28.17" W 107° 27' 13.54"	7.7
	VOR: ABQ	Available from N 34° 44' 20.77" W 107° 32' 10.82" to N 34° 46' 28.17" W 107° 27' 13.54"	
2	N 34° 49' 26.92" W 107° 20' 15.19"	N 34° 53' 41.48" W 107° 10' 5.56"	9.4
	VOR: ABQ	Available from N 34° 49' 26.92" W 107° 20' 15.19" to N 34° 53' 41.48" W 107° 10' 5.56"	
	VOR: ONM	Available from N 34° 49' 26.92" W 107° 20' 15.19" to N 34° 53' 41.48" W 107° 10' 5.56"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
3	N 34° 53' 3.26" W 106° 54' 38.50"	N 34° 52' 37.86" W 106° 48' 22.96"	5.2
	VOR: ABQ	Available from N 34° 53' 3.26" W 106° 54' 38.50" to N 34° 52' 37.86" W 106° 48' 22.96"	
	VOR: ONM	Available from N 34° 53' 3.26" W 106° 54' 38.50" to N 34° 52' 37.86" W 106° 48' 22.96"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
	Restriction	Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°			Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
	ESV	Bearing [True]: 220.0° to 253.0° Bearing [Mag]: 207.0° to 240.0°			Arc Distance: Out to 90.0 NM Altitude: 15000.0 to 23000.0 Ft.		
	ESV	Bearing [True]: 238.0° to 252.0° Bearing [Mag]: 225.0° to 239.0°			Arc Distance: Out to 55.0 NM Altitude: 12500.0 to 17500.0 Ft.		
2	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H	7053.1	115.10	GUP	Used
	ESV	Bearing [True]: 120.0° to 169.0° Bearing [Mag]: 106.0° to 165.0°			Arc Distance: Out to 85.0 NM Altitude: 14000.0 to 24000.0 Ft.		
	ESV	Bearing [True]: 155.0° to 169.0° Bearing [Mag]: 141.0° to 155.0°			Arc Distance: Out to 99.0 NM Altitude: 19900.0 to 22000.0 Ft.		
3	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
	ESV	Bearing [True]: 310.0° to 320.0° Bearing [Mag]: 297.0° to 307.0°			Arc Distance: Out to 46.0 NM Altitude: 9500.0 to 17500.0 Ft.		
	ESV	Bearing [True]: 333.0° to 20.0° Bearing [Mag]: 320.0° to 7.0°			Arc Distance: Out to 47.0 NM Altitude: 7000.0 to 22000.0 Ft.		
4	SJN	N 34° 25' 26.55" W 109° 6' 36.71" E 12	H	6840.0	112.3	[None]	Used
	ESV	Bearing [True]: 71.0° to 86.0° Bearing [Mag]: 59.0° to 76.0°			Arc Distance: Out to 80.0 NM Altitude: 13500.0 to 23000.0 Ft.		
	ESV	Bearing [True]: 101.0° to 131.0° Bearing [Mag]: 89.0° to 119.0°			Arc Distance: Out to 55.0 NM Altitude: 19900.0 to 22000.0 Ft.		

DME/DME (Continued.)

Return To Summary

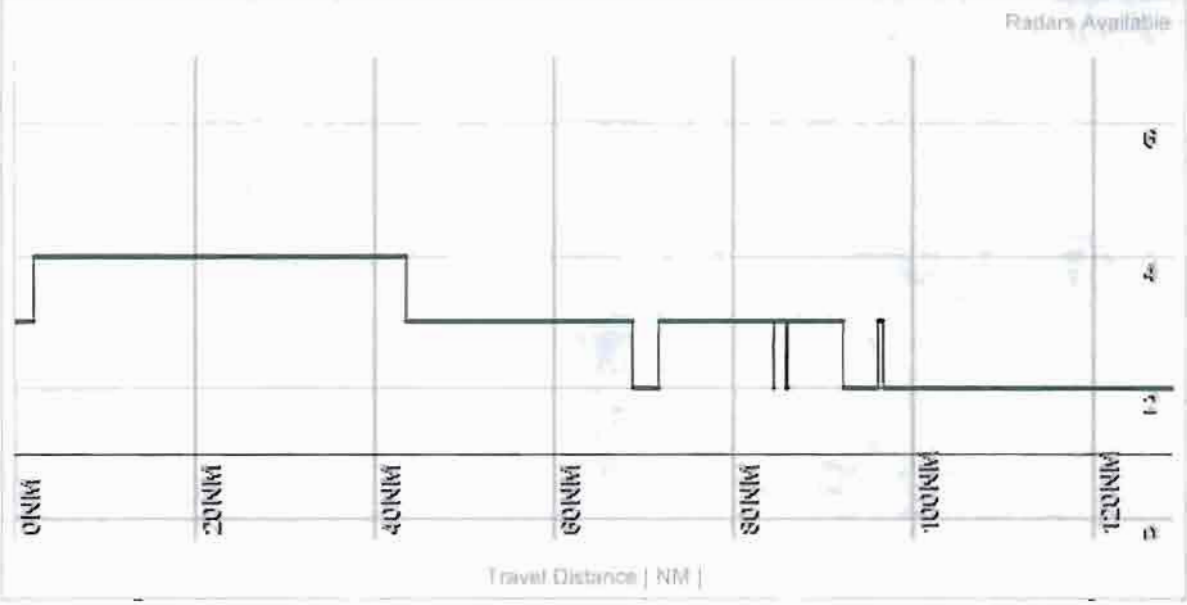
User DMEs (Continued.)

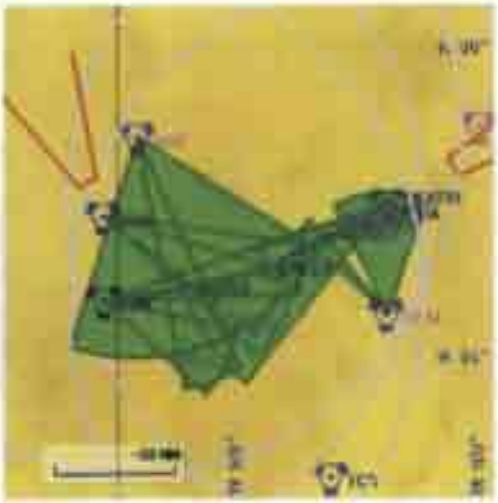
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
4	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	6840.0	112.3	[None]	Used
		ESV	Bearing [True]: 71.0° to 88.0° Bearing [Mag]: 59.0° to 76.0°		Arc Distance: Out to 80.0 NM Altitude: 13500.0 to 23000.0 Ft.		
		ESV	Bearing [True]: 101.0° to 131.0° Bearing [Mag]: 89.0° to 119.0°		Arc Distance: Out to 55.0 NM Altitude: 19900.0 to 23000.0 Ft.		
5	ZUN	N 34° 57' 56.71" W 109° 9' 16.23" E 14	H	8550.0	113.40	ZUN	Used
		Restriction	Bearing [True]: 319.0° to 349.0° Bearing [Mag]: 305.0° to 335.0°		Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV	Bearing [True]: 97.0° to 130.0° Bearing [Mag]: 83.0° to 116.0°		Arc Distance: Out to 83.0 NM Altitude: 14000.0 to 23000.0 Ft.		
		ESV	Bearing [True]: 106.0° to 126.0° Bearing [Mag]: 92.0° to 112.0°		Arc Distance: Out to 77.0 NM Altitude: 13000.0 to 23000.0 Ft.		

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Output File:	KRKEE STAR SJN FOXRR 20120419_1251
Procedure Name:	KRKEE
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/19/2012 12:51:35 PM
Input File:	KABQ KRKEE STAR SJN FOXRR 20120419_1244.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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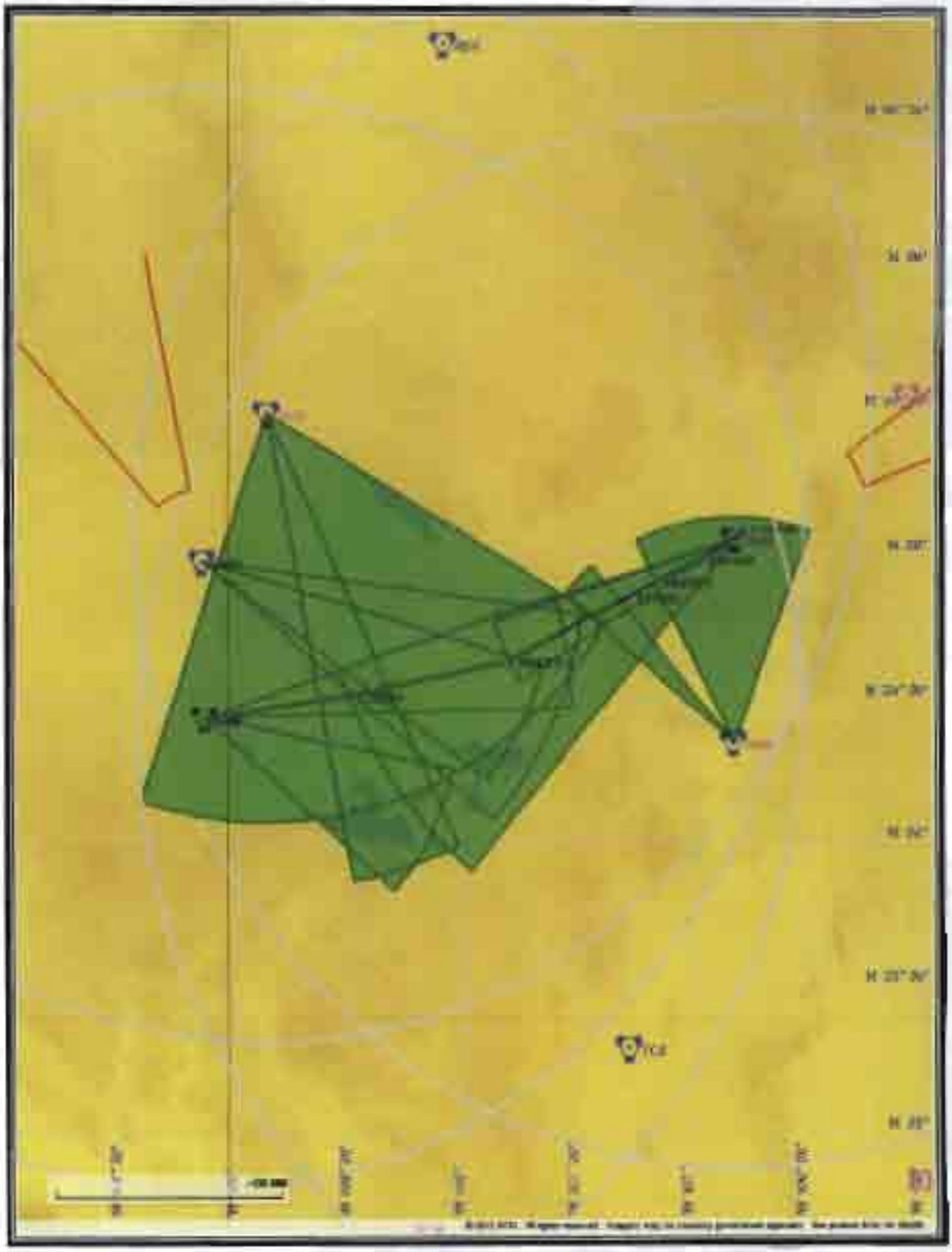


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
SJN	WP	N 34° 25' 26.55" W 109° 6' 38.71"	25000.0	Step	280.0	Fly By	TF
CABNO	WP	N 34° 30' 11.00" W 108° 30' 38.00"	25000.0	Step	280.0	Fly By	TF
KRKEE	WP	N 34° 37' 21.01" W 107° 48' 24.64"	20000.0	Step	270.0	Fly By	TF
ELRRA	WP	N 34° 50' 45.74" W 107° 17' 10.21"	11000.0	Step	250.0	Fly By	TF
XMRKS	WP	N 34° 53' 56.73" W 107° 9' 28.58"	9100.0	Step	180.0	Fly By	TF
AMRRA	WP	N 34° 58' 38.48" W 106° 58' 25.94"	8900.0	Step	180.0	Fly By	TF
FOXRR	WP	N 35° 4' 0.40" W 106° 46' 59.76"	8300.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

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

Table

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

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

Entire track is fly-able

DME/DME

Return To Summary

Settings:

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

Total Number of DMEs Used: 7

Maximum DME Error: 0.672 NM.

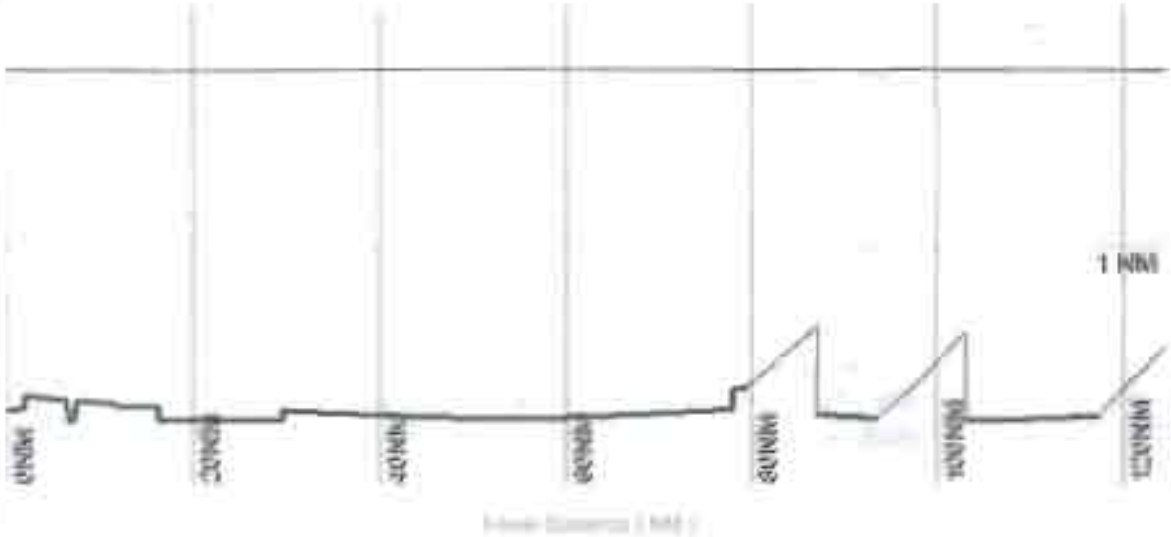
2 Critical DMEs were found.

Available DMEs: ABQ, GUP, ZUN, INW, SJN, SJN, TCS, ONM

Duplicate DMEs: SJN

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	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H + ESV	User	NO	0.766	Enabled	50.8 %	56.0 %
2	INW	N 35° 3' 41.76" W 110° 47' 42.07" E 14	H	Database	NO	0.672	Enabled	1.1 %	1.4 %
3	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H + ESV	User	YES	2.101	Enabled	62.7 %	62.3 %
4	ZUN	N 34° 57' 56.71" W 109° 9' 16.23" E 14	H + ESV	User	NO	0.672	Enabled	5.8 %	7.7 %
5	SJN	N 34° 25' 26.55" W 108° 8' 36.71" E 12	H	Database	NO	0.672	Enabled	4.7 %	6.2 %
6	ONM	N 34° 20' 20.04" W 106° 48' 13.68" E 13	H + ESV	User	YES	2.101	Enabled	22.6 %	20.2 %
7	SJN	N 34° 25' 26.55" W 108° 8' 36.71" E 12	H + ESV	User	NO	0.646	Enabled	5.2 %	6.4 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	GUP	INW	ZUN	ABQ	SJN	SJN
10.1	GUP	ONM	ZUN	ABQ	SJN	TCS
20.7	GUP	SJN	ZUN	ABQ	SJN	TCS
31.4	GUP	ONM	ZUN	ABQ	SJN	SJN
66.6	GUP	ONM	ZUN	ABQ	SJN	
96.3	ABQ	ONM				
103.4	ABQ	ONM				
113.6	ABQ	ONM				

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 42' 55.87" W 107° 35' 27.65"	N 34° 46' 28.46" W 107° 27' 12.42"	7.7
	VOR: ABQ	Available from N 34° 44' 20.98" W 107° 32' 9.65" to N 34° 46' 28.46" W 107° 27' 12.42"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 34° 49' 25.47" W 107° 20' 18.45"	N 34° 53' 43.33" W 107° 10' 1.10"	9.5
	VOR: ABQ	Available from N 34° 49' 25.47" W 107° 20' 18.45" to N 34° 53' 43.33" W 107° 10' 1.10"	
	VOR: ONM	Available from N 34° 49' 25.47" W 107° 20' 18.45" to N 34° 53' 43.33" W 107° 10' 1.10"	
3	N 35° 0' 21.16" W 106° 54' 47.11"	N 35° 3' 59.50" W 106° 47' 1.67"	7.3
	VOR: ABQ	Available from N 35° 0' 21.16" W 106° 54' 47.11" to N 35° 3' 59.50" W 106° 47' 1.67"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ABQ	N 35° 2' 37.68" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
	Restriction:	Bearing [True]: 53.0° to 88.0° Bearing [Mag]: 40.0° to 55.0°			Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
	ESV	Bearing [True]: 220.0° to 253.0° Bearing [Mag]: 207.0° to 240.0°			Arc Distance: Out to 90.0 NM Altitude: 15000.0 to 23000.0 Ft.		
	ESV	Bearing [True]: 238.0° to 252.0° Bearing [Mag]: 225.0° to 239.0°			Arc Distance: Out to 55.0 NM Altitude: 12500.0 to 17500.0 Ft.		
2	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H	7053.1	115.10	GUP	Used
	ESV	Bearing [True]: 120.0° to 199.0° Bearing [Mag]: 106.0° to 185.0°			Arc Distance: Out to 85.0 NM Altitude: 14000.0 to 24000.0 Ft.		
	ESV	Bearing [True]: 155.0° to 169.0° Bearing [Mag]: 141.0° to 155.0°			Arc Distance: Out to 99.0 NM Altitude: 19900.0 to 22000.0 Ft.		
3	ONM	N 34° 20' 20.94" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
	ESV	Bearing [True]: 310.0° to 320.0° Bearing [Mag]: 297.0° to 307.0°			Arc Distance: Out to 48.0 NM Altitude: 9500.0 to 17500.0 Ft.		
	ESV	Bearing [True]: 333.0° to 20.0° Bearing [Mag]: 320.0° to 7.0°			Arc Distance: Out to 47.0 NM Altitude: 7000.0 to 22000.0 Ft.		
4	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	6840.0	112.3	[None]	Used
	ESV	Bearing [True]: 71.0° to 88.0° Bearing [Mag]: 59.0° to 76.0°			Arc Distance: Out to 80.0 NM Altitude: 13500.0 to 23000.0 Ft.		
	ESV	Bearing [True]: 101.0° to 131.0° Bearing [Mag]: 89.0° to 119.0°			Arc Distance: Out to 55.0 NM Altitude: 19900.0 to 22000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

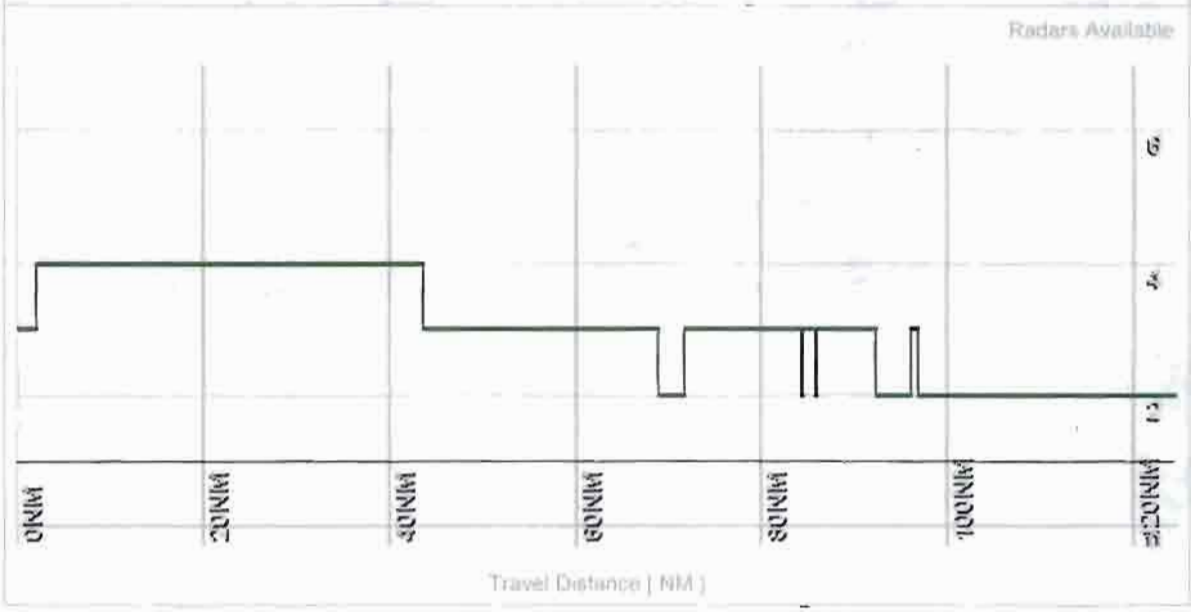
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	ZUN	N 34° 57' 56.71" W 109° 9' 16.23" E 14	H	6550.0	113.40	ZUN	Used

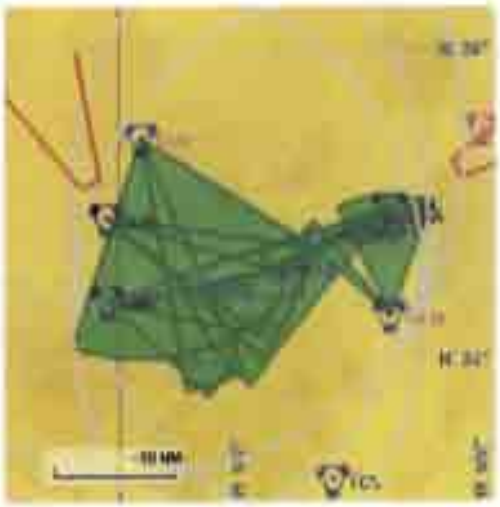
Restriction:	Bearing [True]: 319.0° to 349.0° Bearing [Mag]: 305.0° to 335.0°	Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.
ESV:	Bearing [True]: 97.0° to 130.0° Bearing [Mag]: 83.0° to 116.0°	Arc Distance: Out to 83.0 NM Altitude: 14000.0 to 23000.0 Ft.
ESV:	Bearing [True]: 106.0° to 126.0° Bearing [Mag]: 92.0° to 112.0°	Arc Distance: Out to 77.0 NM Altitude: 13000.0 to 23000.0 Ft.

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Output File:	KRKEE STAR SJN ABQ 20120419_1243
Procedure Name:	KRKEE
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/19/2012 12:43:06 PM
Input File:	KABQ KRKEE STAR SJN ABQ 20120419_1235.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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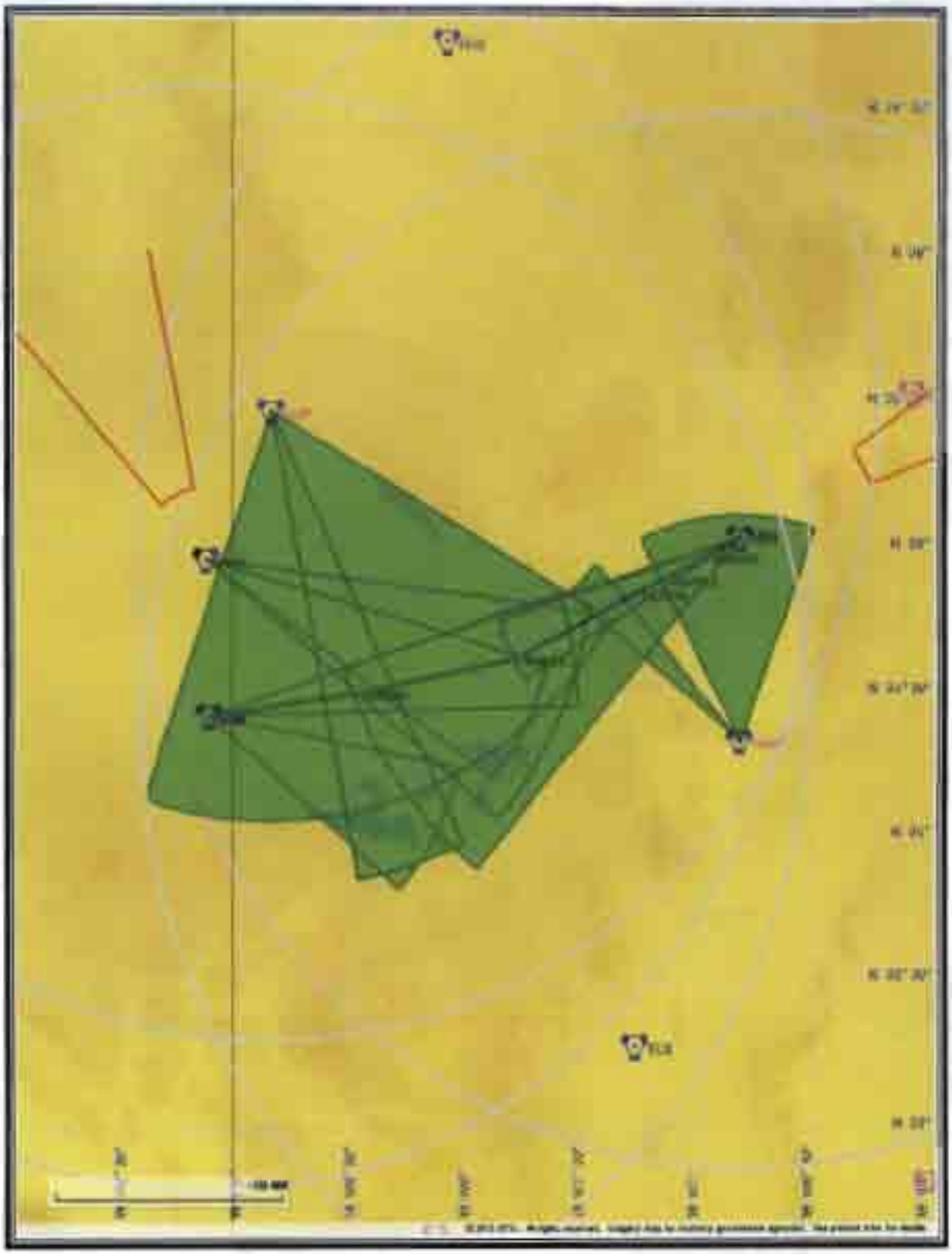


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
SJN	WP	N 34° 25' 26.55" W 109° 8' 36.71"	25000.0	Step	280.0	Fly By	TF
CABNO	WP	N 34° 30' 11.00" W 108° 30' 38.00"	25000.0	Step	280.0	Fly By	TF
KRKEE	WP	N 34° 37' 21.01" W 107° 48' 24.64"	20000.0	Step	270.0	Fly By	TF
ELRRA	WP	N 34° 50' 45.74" W 107° 17' 10.21"	11000.0	Step	250.0	Fly By	TF
XMRKS	WP	N 34° 53' 56.73" W 107° 9' 28.58"	9100.0	Step	180.0	Fly By	TF
AMRRA	WP	N 34° 58' 38.48" W 106° 58' 25.94"	8900.0	Step	180.0	Fly By	TF
ABQ	WP	N 35° 2' 37.66" W 106° 48' 58.72"	8300.0	Step	180.0	Fly Over	TF

Procedure uses 8200

Flyability

Return To Summary

Settings:

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

Table:

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

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

Entire track is fly-able

DME/DME

Return To Summary

Settings:

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

Total Number of DMEs Used: 7

Maximum DME Error: 0.672 NM.

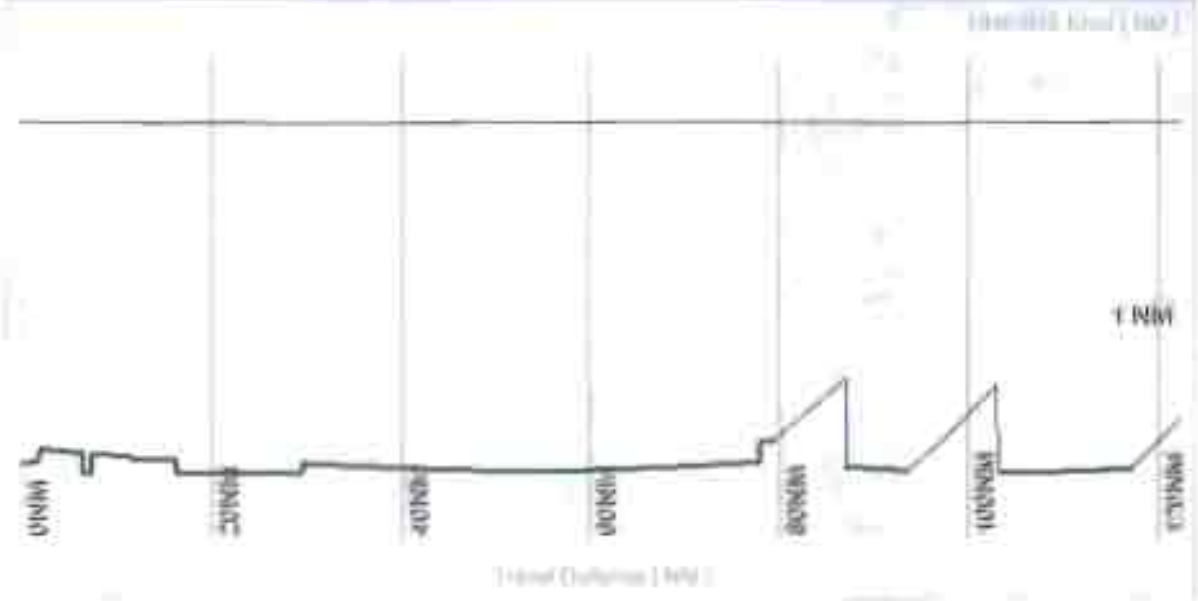
2 Critical DMEs were found.

Available DMEs: ABQ, GUP, ZUN, INW, SJN, SJN, TCS, ONM

Duplicate DMEs: SJN

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	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H + ESV	User	NO	0.768	Enabled	51.9 %	57.0 %
2	INW	N 35° 3' 41.76" W 110° 47' 42.07" E 14	H	Database	NO	0.672	Enabled	1.2 %	1.5 %
3	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H + ESV	User	YES	**2.017**	Enabled	64.1 %	63.4 %
4	ZUN	N 34° 57' 56.71" W 109° 9' 16.23" E 14	H + ESV	User	NO	0.672	Enabled	6.0 %	7.9 %
5	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	Database	NO	0.672	Enabled	4.8 %	6.3 %
6	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	YES	**2.017**	Enabled	23.3 %	20.6 %
7	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H + ESV	User	NO	0.646	Enabled	5.3 %	6.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	GUP	INW	ZUN	ABQ	SJN	SJN
10.1	GUP	ONM	ZUN	ABQ	SJN	TCS
20.7	GUP	SJN	ZUN	ABQ	SJN	TCS
31.4	GUP	ONM	ZUN	ABQ	SJN	SJN
66.6	GUP	ONM	ZUN	ABQ	SJN	
96.3	ABQ	ONM				
103.4	ABQ	ONM				
113.7	ABQ	ONM				

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 42' 55.87" W 107° 35' 27.65"	N 34° 46' 28.46" W 107° 27' 12.42"	7.7

VOR: ABQ

Available from N 34° 44' 20.98" W 107° 32' 9.65"
to N 34° 46' 28.46" W 107° 27' 12.42"

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 34° 49' 25.47" W 107° 20' 18.45"	N 34° 53' 43.33" W 107° 10' 1.10"	9.5
	VOR: ABQ	Available from N 34° 49' 25.47" W 107° 20' 18.45" to N 34° 53' 43.33" W 107° 10' 1.10"	
	VOR: ONM	Available from N 34° 49' 25.47" W 107° 20' 18.45" to N 34° 53' 43.33" W 107° 10' 1.10"	
3	N 35° 0' 13.16" W 106° 54' 41.85"	N 35° 2' 36.18" W 106° 49' 2.25"	5.2
	VOR: ABQ	Available from N 35° 0' 13.16" W 106° 54' 41.85" to N 35° 2' 36.18" W 106° 49' 2.25"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
	Restriction:	Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°		Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.			
	ESV:	Bearing [True]: 220.0° to 253.0° Bearing [Mag]: 207.0° to 240.0°		Arc Distance: Out to 90.0 NM Altitude: 15000.0 to 23000.0 Ft.			
	ESV:	Bearing [True]: 238.0° to 252.0° Bearing [Mag]: 225.0° to 239.0°		Arc Distance: Out to 55.0 NM Altitude: 12500.0 to 17500.0 Ft.			
2	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H	7053.1	115.10	GUP	Used
	ESV:	Bearing [True]: 120.0° to 199.0° Bearing [Mag]: 106.0° to 185.0°		Arc Distance: Out to 85.0 NM Altitude: 14000.0 to 24000.0 Ft.			
	ESV:	Bearing [True]: 155.0° to 169.0° Bearing [Mag]: 141.0° to 155.0°		Arc Distance: Out to 99.0 NM Altitude: 19900.0 to 22000.0 Ft.			
3	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
	ESV:	Bearing [True]: 310.0° to 320.0° Bearing [Mag]: 297.0° to 307.0°		Arc Distance: Out to 48.0 NM Altitude: 9500.0 to 17500.0 Ft.			
	ESV:	Bearing [True]: 333.0° to 20.0° Bearing [Mag]: 320.0° to 7.0°		Arc Distance: Out to 47.0 NM Altitude: 7000.0 to 22000.0 Ft.			
4	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	6840.0	112.3	[None]	Used
	ESV:	Bearing [True]: 71.0° to 88.0° Bearing [Mag]: 59.0° to 76.0°		Arc Distance: Out to 80.0 NM Altitude: 13500.0 to 23000.0 Ft.			
	ESV:	Bearing [True]: 101.0° to 131.0° Bearing [Mag]: 89.0° to 119.0°		Arc Distance: Out to 55.0 NM Altitude: 19900.0 to 22000.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

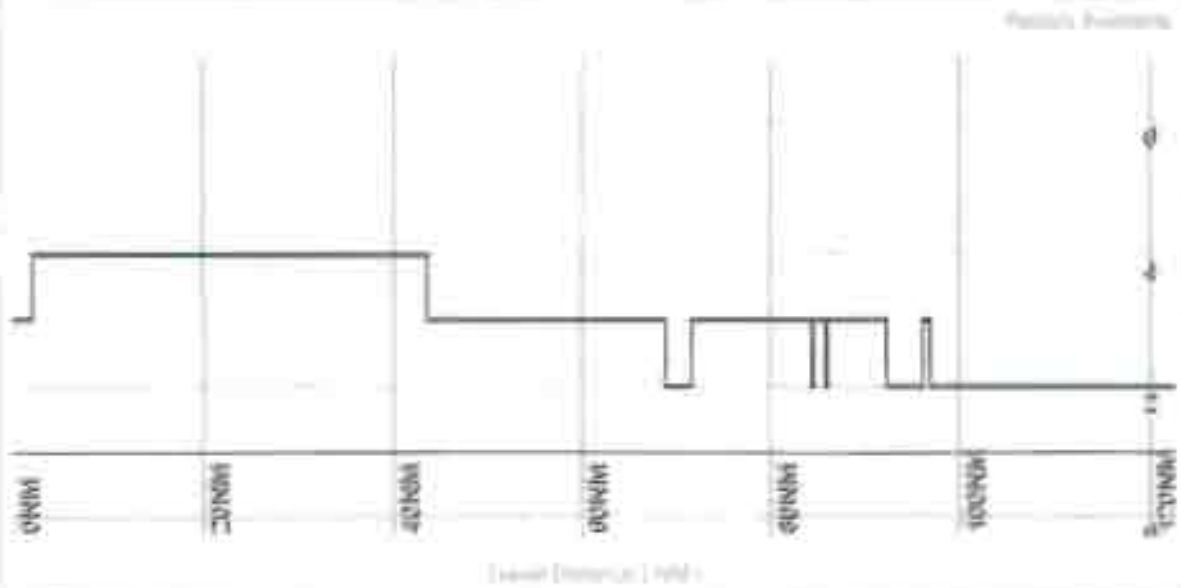
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	ZUN	N 34° 57' 56.71" W 109° 9' 16.23" E 14	H	6550.0	113.40	ZUN	Used

Restriction:	Bearing [True]: 319.0° to 349.0° Bearing [Mag]: 305.0° to 335.0°	Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.
ESV:	Bearing [True]: 97.0° to 130.0° Bearing [Mag]: 83.0° to 116.0°	Arc Distance: Out to 83.0 NM Altitude: 14000.0 to 23000.0 Ft.
ESV:	Bearing [True]: 106.0° to 126.0° Bearing [Mag]: 92.0° to 112.0°	Arc Distance: Out to 77.0 NM Altitude: 13000.0 to 23000.0 Ft.

Radar Analysis

Return To Summary

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



Name:	enanders
Project Name:	
Output File:	KRKEE STAR KALSE BRNDO 20120419_1227
Procedure Name:	KRKEE
Software:	RNAV-Pro™
Version:	2.38
Date/Time:	4/19/2012 12:27:11 PM
Input File:	KABQ KRKEE STAR KALSE BRNDO 20120419_1220.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/28/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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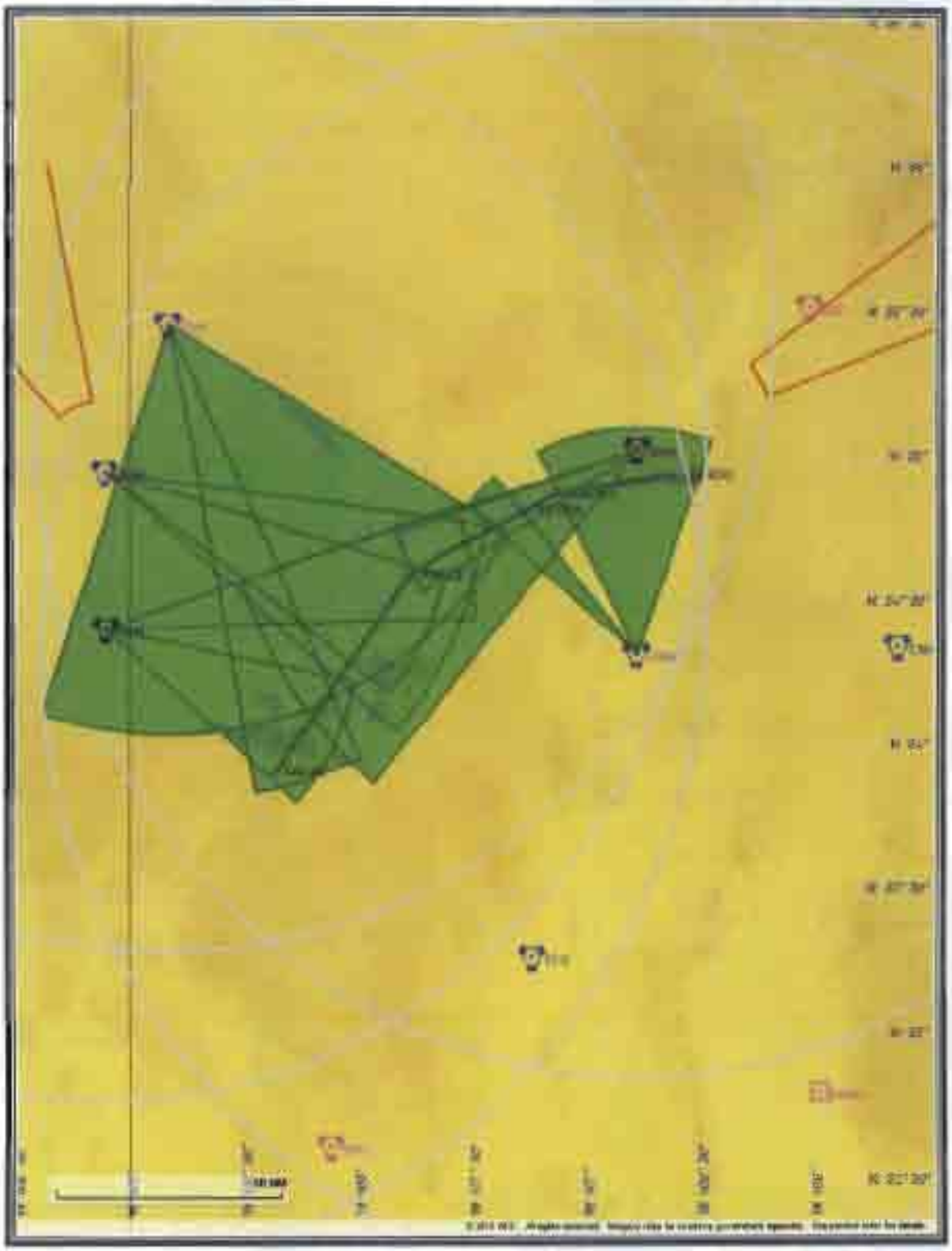


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
KALSE	WP	N 33° 55' 15.95" W 108° 24' 44.17"	20000.0	Step	280.0	Fly By	TF
KRKEE	WP	N 34° 37' 21.01" W 107° 48' 24.64"	20000.0	Step	270.0	Fly By	TF
ELRRA	WP	N 34° 50' 45.74" W 107° 17' 10.21"	11000.0	Step	250.0	Fly By	TF
XMRKS	WP	N 34° 53' 56.73" W 107° 9' 28.58"	9100.0	Step	180.0	Fly By	TF
STIKI	WP	N 34° 57' 3.77" W 106° 43' 8.84"	9000.0	Step	210.0	Fly By	TF
BRNDO	WP	N 34° 57' 15.45" W 106° 38' 57.26"	7700.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

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

Table

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

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

Entire track is fly-able

DME/DME

Return To Summary

Settings:

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

Total Number of DMEs Used: 5

Maximum DME Error: 0.746 NM

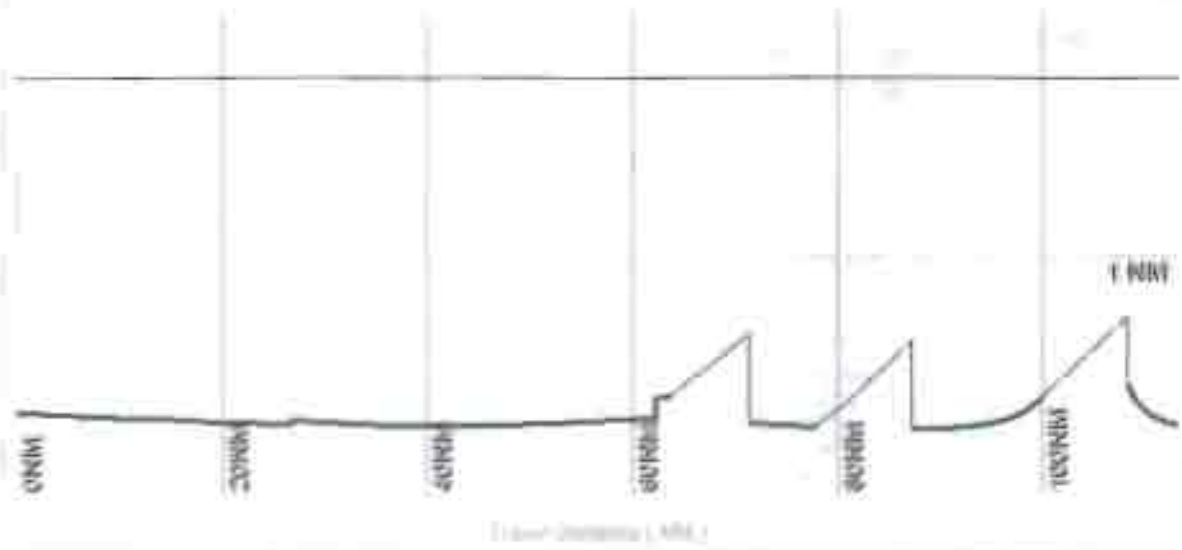
2 Critical DMEs were found.

Available DMEs: GUP, ONM, SJN, TCS, ABQ, ZUN

Duplicate DMEs: SJN

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	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H + ESV	User	NO	0.756	Enabled	42.7 %	46.5 %
2	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	YES	2.272	Enabled	36.0 %	34.6 %
3	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H + ESV	User	YES	2.272	Enabled	61.4 %	62.2 %
4	TCS	N 33° 16' 57.01" W 107° 16' 49.95" E 13	H	Database	NO	0.746	Enabled	8.9 %	9.8 %
5	SJN	N 34° 25' 26.55" W 109° 6' 36.71" E 12	H + ESV	User	NO	0.746	Enabled	1.2 %	1.2 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ONM	GUP	SJN	TCS	ABQ	ZUN
30.4	ONM	GUP	SJN	ZUN	ABQ	
50.8	ONM	GUP	SJN	ZUN	ABQ	
80.6	ABQ					
87.2	ABQ	ONM				
109.4	ABQ	ONM				

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 42' 55.73" W 107° 35' 26.88"	N 34° 48' 28.16" W 107° 27' 13.55"	7.7
	VOR: ABQ	Available from N 34° 44' 20.77" W 107° 32' 10.83" to N 34° 48' 28.16" W 107° 27' 13.55"	
2	N 34° 49' 25.92" W 107° 20' 15.20"	N 34° 53' 42.98" W 107° 10' 1.95"	9.4
	VOR: ABQ	Available from N 34° 49' 25.92" W 107° 20' 15.20" to N 34° 53' 42.98" W 107° 10' 1.95"	
	VOR: ONM	Available from N 34° 49' 25.92" W 107° 20' 15.20" to N 34° 53' 42.98" W 107° 10' 1.95"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
3	N 34° 55' 40.14" W 106° 55' 2.44"	N 34° 56' 52.20" W 106° 44' 48.32"	8.5
	VOR: ABQ	Available from N 34° 55' 40.14" W 106° 55' 2.44" to N 34° 56' 52.20" W 106° 44' 48.32"	
	VOR: ONM	Available from N 34° 55' 40.14" W 106° 55' 2.44" to N 34° 56' 52.20" W 106° 44' 48.32"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
	Restriction	Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°			Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
	ESV	Bearing [True]: 220.0° to 253.0° Bearing [Mag]: 207.0° to 240.0°			Arc Distance: Out to 90.0 NM Altitude: 15000.0 to 23000.0 Ft.		
	ESV	Bearing [True]: 238.0° to 252.0° Bearing [Mag]: 225.0° to 239.0°			Arc Distance: Out to 55.0 NM Altitude: 12500.0 to 17500.0 Ft.		
2	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H	7053.1	115.10	GUP	Used
	ESV	Bearing [True]: 120.0° to 199.0° Bearing [Mag]: 106.0° to 185.0°			Arc Distance: Out to 85.0 NM Altitude: 14000.0 to 24000.0 Ft.		
	ESV	Bearing [True]: 155.0° to 169.0° Bearing [Mag]: 141.0° to 155.0°			Arc Distance: Out to 99.0 NM Altitude: 19900.0 to 22000.0 Ft.		
3	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
	ESV	Bearing [True]: 310.0° to 320.0° Bearing [Mag]: 297.0° to 307.0°			Arc Distance: Out to 48.0 NM Altitude: 9500.0 to 17500.0 Ft.		
	ESV	Bearing [True]: 333.0° to 20.0° Bearing [Mag]: 320.0° to 7.0°			Arc Distance: Out to 47.0 NM Altitude: 7000.0 to 22000.0 Ft.		
4	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	6840.0	112.3	[None]	Used
	ESV	Bearing [True]: 71.0° to 88.0° Bearing [Mag]: 59.0° to 76.0°			Arc Distance: Out to 80.0 NM Altitude: 13500.0 to 23000.0 Ft.		
	ESV	Bearing [True]: 101.0° to 131.0° Bearing [Mag]: 89.0° to 119.0°			Arc Distance: Out to 55.0 NM Altitude: 19900.0 to 22000.0 Ft.		

DME/DME (Continued.)

Return To Summary

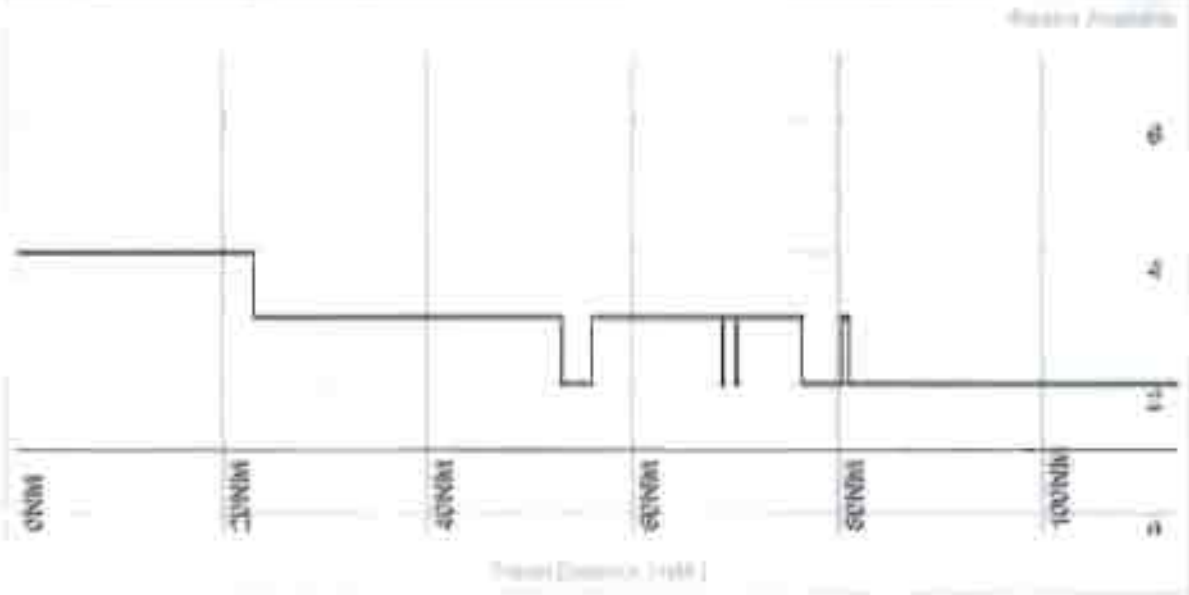
User DMEs (Continued.)

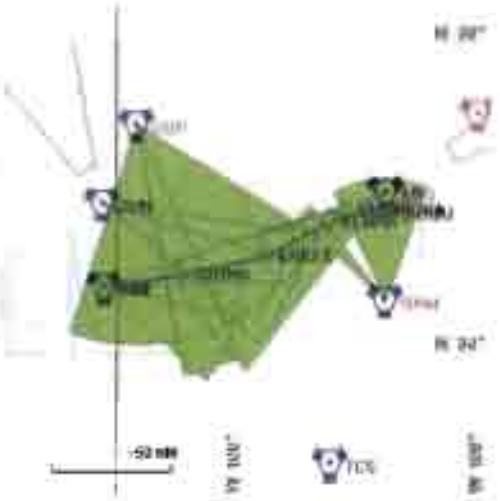
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	ZUN	N 34° 57' 56.71" W 109° 9' 16.23" E 14	H	6550.0	113.40	ZUN	Not Used
	Restriction:	Bearing [True]: 319.0° to 349.0° Bearing [Mag]: 305.0° to 335.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
	ESV:	Bearing [True]: 97.0° to 130.0° Bearing [Mag]: 83.0° to 116.0°			Arc Distance: Out to 83.0 NM Altitude: 14000.0 to 23000.0 Ft.		
	ESV:	Bearing [True]: 106.0° to 126.0° Bearing [Mag]: 92.0° to 112.0°			Arc Distance: Out to 77.0 NM Altitude: 13000.0 to 23000.0 Ft.		

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Output File:	KRKEE STAR SJN BIBQU 20120904_1425
Procedure Name:	KRKEE
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	9/4/2012 2:25:11 PM
Input File:	KABQ KRKEE STAR SJN BIBQU 20120410_1228.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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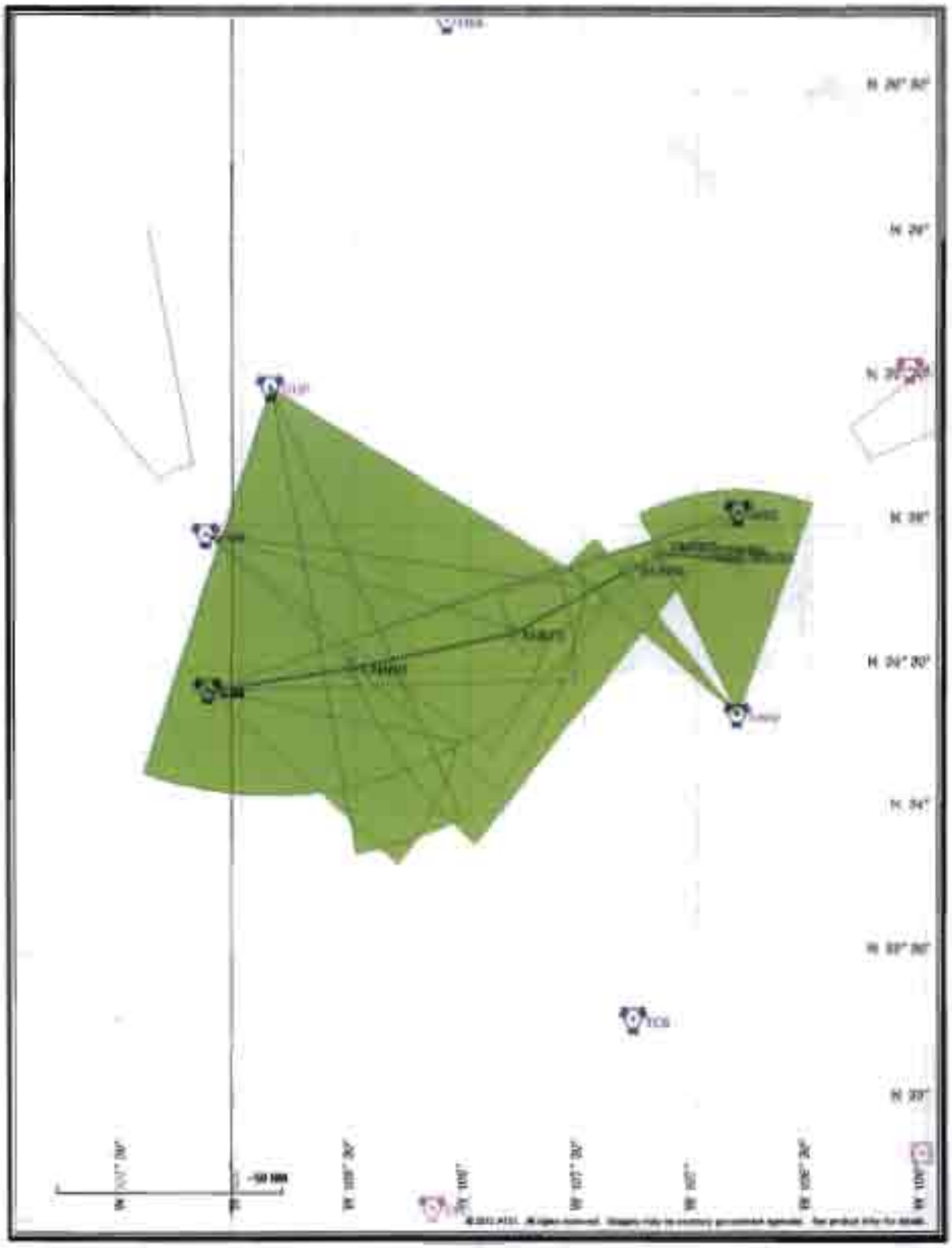


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
SJN	WP	N 34° 25' 26.55" W 109° 8' 36.71"	25000.0	Step	280.0	Fly By	TF
CABNO	WP	N 34° 30' 11.00" W 108° 30' 38.00"	25000.0	Step	280.0	Fly By	TF
KRKEE	WP	N 34° 37' 21.01" W 107° 48' 24.64"	20000.0	Step	270.0	Fly By	TF
ELRRA	WP	N 34° 50' 45.74" W 107° 17' 10.21"	11000.0	Step	250.0	Fly By	TF
XMRKS	WP	N 34° 53' 56.73" W 107° 9' 28.58"	9100.0	Step	180.0	Fly By	TF
SHWNA	WP	N 34° 53' 14.06" W 106° 57' 21.57"	9000.0	Step	180.0	Fly By	TF
BIBQU	WP	N 34° 52' 37.59" W 106° 48' 19.02"	7800.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

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

Table

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

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

Entire track is fly-able

DME/DME

Return To Summary

Settings:

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

Total Number of DMEs Used: 7

Maximum DME Error: 0.705 NM

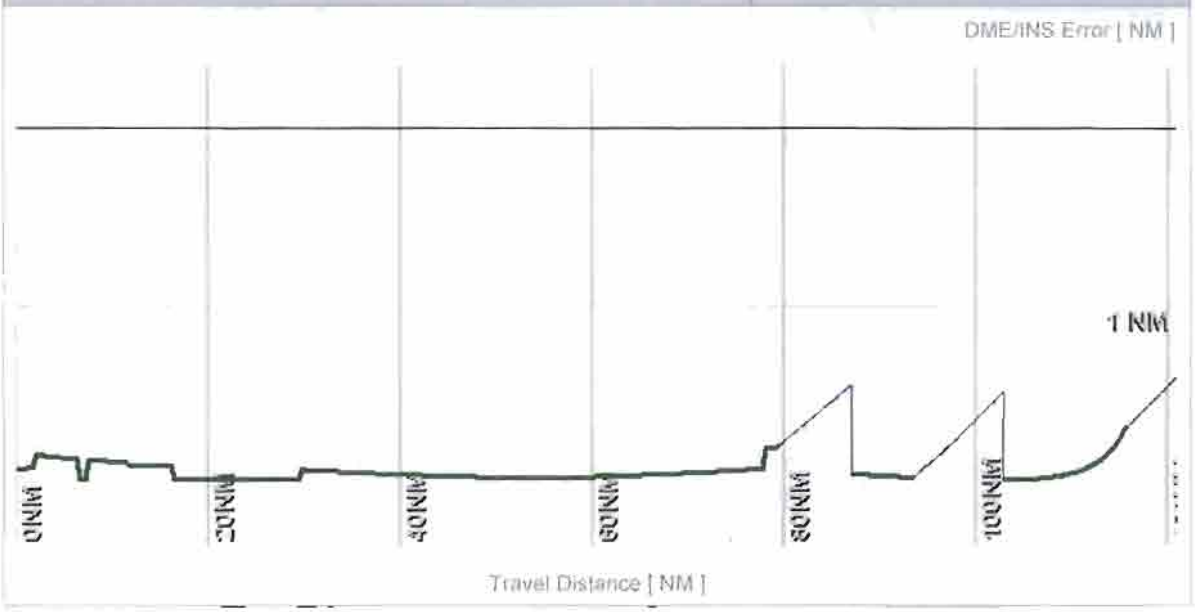
2 Critical DMEs were found.

Available DMEs: ABQ, GUP, ZUN, INW, SJN, SJN, TCS, ONM

Duplicate DMEs: SJN

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	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H + ESV	User	NO	0.768	Enabled	52.8 %	57.7 %
2	INW	N 35° 3' 41.76" W 110° 47' 42.07" E 14	H	Database	NO	0.705	Enabled	1.2 %	1.5 %
3	ABQ	N 35° 2' 37.68" W 106° 48' 58.72" E 13	H + ESV	User	YES	1.957	Enabled	63.6 %	63.0 %
4	ZUN	N 34° 57' 56.71" W 109° 9' 16.23" E 14	H + ESV	User	NO	0.705	Enabled	6.1 %	8.0 %
5	SJN	N 34° 25' 28.55" W 109° 8' 36.71" E 12	H	Database	NO	0.705	Enabled	4.9 %	6.4 %
6	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	YES	1.957	Enabled	22.1 %	19.6 %
7	SJN	N 34° 25' 28.55" W 109° 8' 36.71" E 12	H + ESV	User	NO	0.705	Enabled	5.4 %	6.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	GUP	INW	ZUN	ABQ	SJN	SJN
10.1	GUP	ONM	ZUN	ABQ	SJN	TCS
20.7	GUP	SJN	ZUN	ABQ	SJN	TCS
31.4	GUP	ONM	ZUN	ABQ	SJN	SJN
66.6	GUP	ONM	ZUN	ABQ	SJN	
86.3	ABQ					
102.8	ABQ	ONM				
113.4	ABQ	ONM				

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 42' 55.87" W 107° 36' 27.65"	N 34° 46' 28.46" W 107° 27' 12.42"	7.7

VOR: ABQ

Available from N 34° 44' 20.98" W 107° 32' 9.65'
to N 34° 46' 28.46" W 107° 27' 12.42"

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 34° 49' 25.47" W 107° 20' 18.45"	N 34° 53' 41.82" W 107° 10' 4.72"	9.4
	VOR: ABQ	Available from N 34° 49' 25.47" W 107° 20' 18.45" to N 34° 53' 41.82" W 107° 10' 4.72"	
	VOR: ONM	Available from N 34° 49' 25.47" W 107° 20' 18.45" to N 34° 53' 41.82" W 107° 10' 4.72"	
3	N 34° 53' 3.47" W 106° 54' 41.61"	N 34° 52' 37.80" W 106° 48' 22.03"	5.2
	VOR: ABQ	Available from N 34° 53' 3.47" W 106° 54' 41.61" to N 34° 52' 37.80" W 106° 48' 22.03"	
	VOR: ONM	Available from N 34° 53' 3.47" W 106° 54' 41.61" to N 34° 52' 37.80" W 106° 48' 22.03"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H	5748.5	113.20	ABQ	Used
	Restriction	Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°			Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
	ESV	Bearing [True]: 220.0° to 253.0° Bearing [Mag]: 207.0° to 240.0°			Arc Distance: Out to 90.0 NM Altitude: 15000.0 to 23000.0 Ft.		
	ESV	Bearing [True]: 238.0° to 252.0° Bearing [Mag]: 225.0° to 239.0°			Arc Distance: Out to 55.0 NM Altitude: 12500.0 to 17500.0 Ft.		
2	GUP	N 35° 26' 33.60" W 108° 52' 21.40" E 14	H	7053.1	115.10	GUP	Used
	ESV	Bearing [True]: 120.0° to 199.0° Bearing [Mag]: 106.0° to 185.0°			Arc Distance: Out to 85.0 NM Altitude: 14000.0 to 24000.0 Ft.		
	ESV	Bearing [True]: 155.0° to 169.0° Bearing [Mag]: 141.0° to 156.0°			Arc Distance: Out to 99.0 NM Altitude: 19900.0 to 22000.0 Ft.		
3	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.60	ONM	Used
	ESV	Bearing [True]: 310.0° to 320.0° Bearing [Mag]: 297.0° to 307.0°			Arc Distance: Out to 48.0 NM Altitude: 9500.0 to 17500.0 Ft.		
	ESV	Bearing [True]: 333.0° to 20.0° Bearing [Mag]: 320.0° to 7.0°			Arc Distance: Out to 47.0 NM Altitude: 7000.0 to 22000.0 Ft.		

DME/DME (Continued.)

Return To Summary

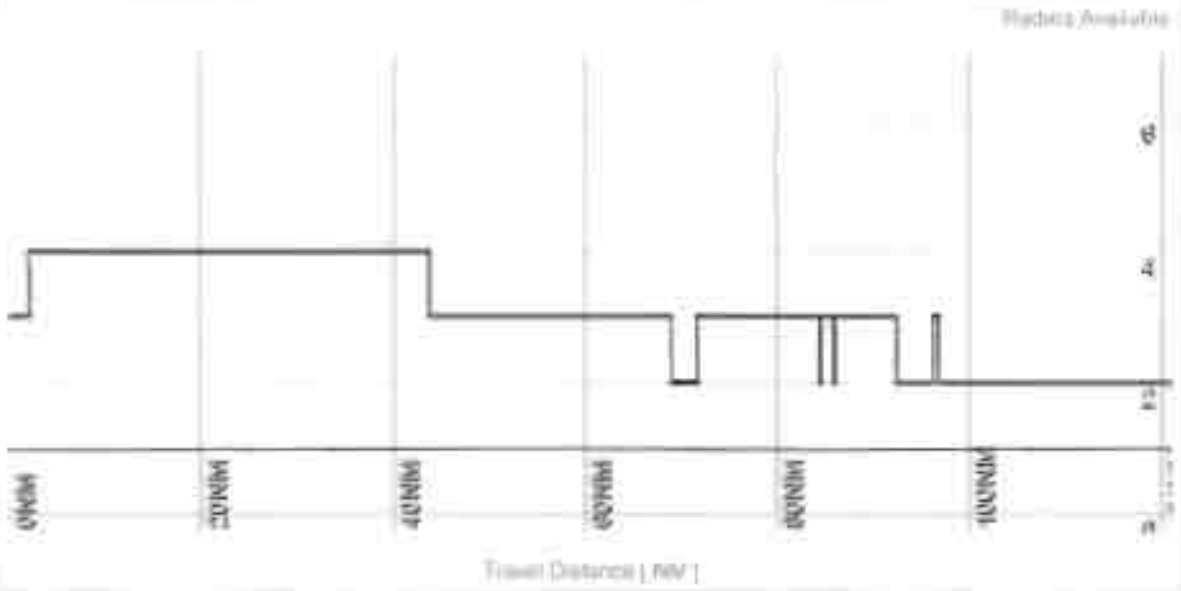
User DMEs (Continued.)

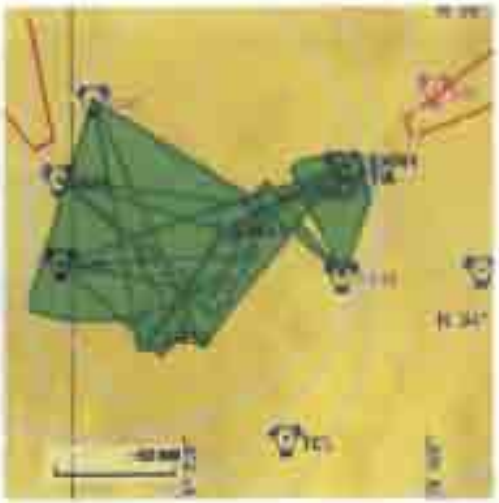
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
4	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	6840.0	112.3	[None]	Used
		ESV:	Bearing [True]: 71.0° to 88.0° Bearing [Mag]: 59.0° to 76.0°		Arc Distance: Out to 80.0 NM Altitude: 13500.0 to 23000.0 Ft.		
		ESV:	Bearing [True]: 101.0° to 131.0° Bearing [Mag]: 89.0° to 119.0°		Arc Distance: Out to 55.0 NM Altitude: 19900.0 to 22000.0 Ft.		
5	ZUN	N 34° 57' 56.71" W 109° 9' 16.23" E 14	H	6550.0	113.40	ZUN	Used
		Restriction:	Bearing [True]: 319.0° to 349.0° Bearing [Mag]: 305.0° to 335.0°		Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV:	Bearing [True]: 97.0° to 130.0° Bearing [Mag]: 83.0° to 116.0°		Arc Distance: Out to 83.0 NM Altitude: 14000.0 to 23000.0 Ft.		
		ESV:	Bearing [True]: 106.0° to 126.0° Bearing [Mag]: 92.0° to 112.0°		Arc Distance: Out to 77.0 NM Altitude: 13000.0 to 23000.0 Ft.		

Radar Analysis

Return To Summary

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





Name:	enanders
Project Name:	
Output File:	KRKEE STAR KALSE FOXRR 20120419_1219
Procedure Name:	KRKEE
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/19/2012 12:19:27 PM
Input File:	KABQ KRKEE STAR KALSE FOXRR 20120419_1052.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/28/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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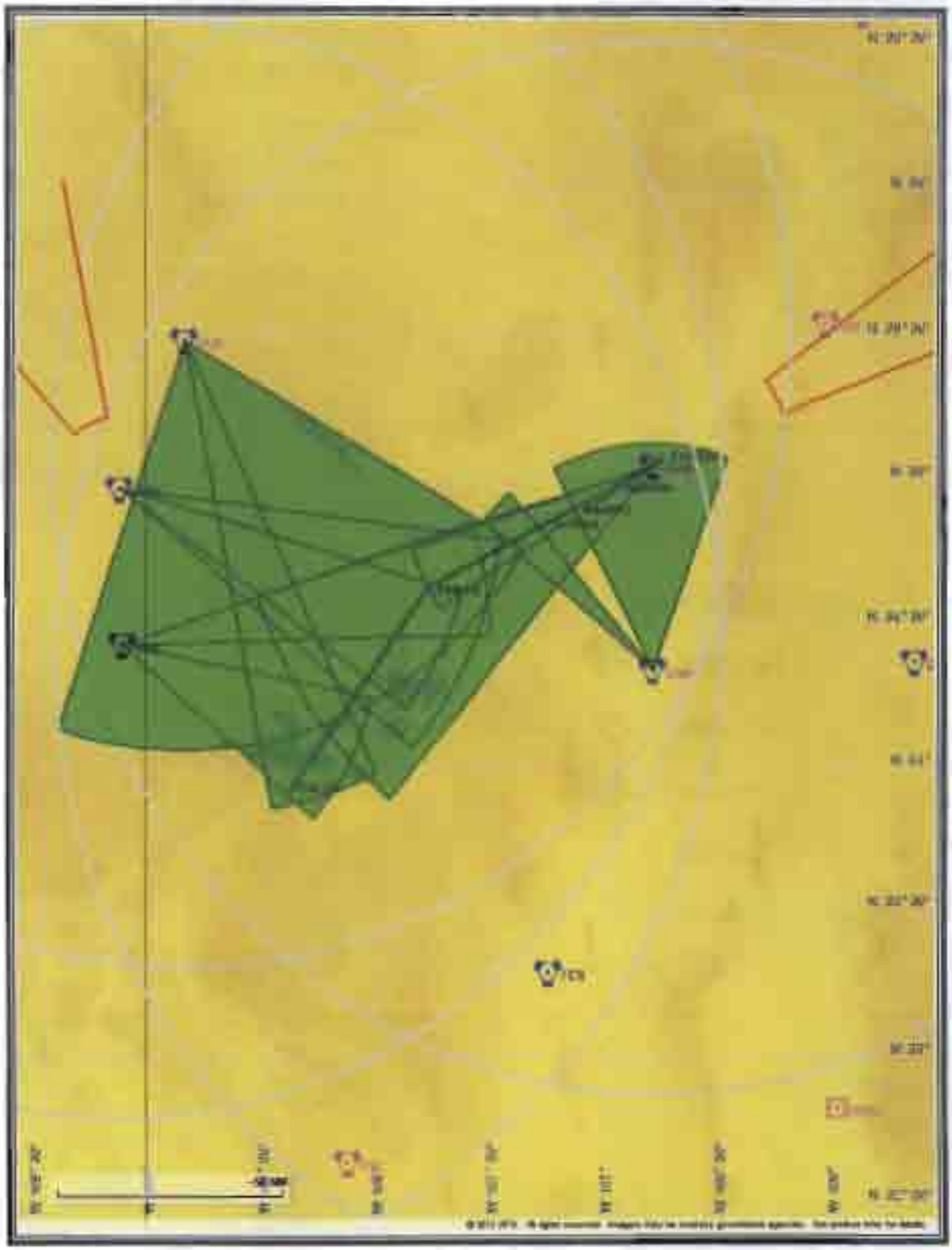


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
KALSE	WP	N 33° 55' 15.95" W 108° 24' 44.17"	20000.0	Step	280.0	Fly By	TF
KRKEE	WP	N 34° 37' 21.01" W 107° 48' 24.64"	20000.0	Step	270.0	Fly By	TF
ELRRA	WP	N 34° 50' 45.74" W 107° 17' 10.21"	11000.0	Step	250.0	Fly By	TF
XMRKS	WP	N 34° 53' 56.73" W 107° 9' 28.58"	9100.0	Step	180.0	Fly By	TF
AMRRA	WP	N 34° 58' 38.48" W 106° 56' 25.94"	8900.0	Step	180.0	Fly By	TF
FOXRR	WP	N 35° 4' 0.40" W 106° 46' 59.76"	8300.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

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

Table:

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

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

Entire track is fly-able

DME/DME

Return To Summary

Settings:

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

Total Number of DMEs Used: 5

Maximum DME Error: 0.672 NM.

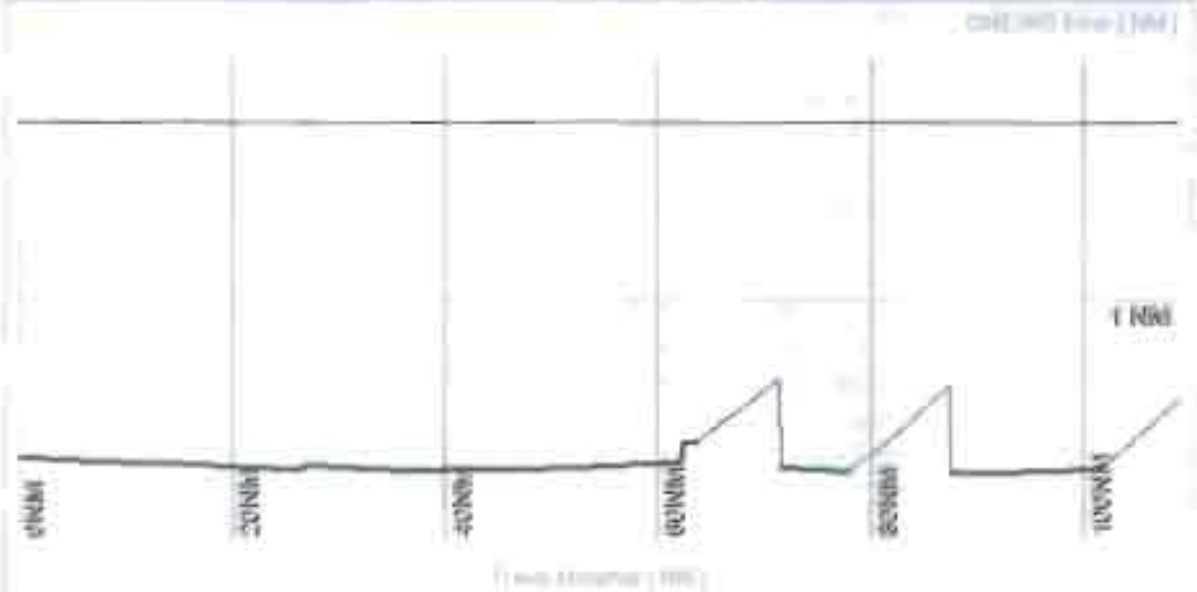
2 Critical DMEs were found.

Available DMEs: GUP, ONM, SJN, TCS, ABQ, ZUN

Duplicate DMEs: SJN

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	GUP	N 35° 28' 33.60" W 106° 52' 21.40" E 14	H + ESV	User	NO	0.766	Enabled	44.7 %	48.3 %
2	ONM	N 34° 20' 20.04" W 106° 49' 13.09" E 13	H + ESV	User	YES	2.101	Enabled	34.3 %	33.1 %
3	ABQ	N 35° 2' 37.66" W 106° 49' 58.72" E 13	H + ESV	User	YES	2.101	Enabled	60.8 %	61.8 %
4	TCS	N 33° 16' 57.01" W 107° 16' 49.95" E 13	H	Database	NO	0.672	Enabled	9.3 %	10.2 %
5	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H + ESV	User	NO	0.646	Enabled	1.3 %	1.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ONM	GUP	SJN	TCS	ABQ	ZUN
30.4	ONM	GUP	SJN	ZUN	ABQ	
50.8	ONM	GUP	SJN	ZUN	ABQ	
80.6	ONM	ABQ				
87.7	ONM	ABQ				
97.9	ONM	ABQ				

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 42' 55.73" W 107° 36' 28.88"	N 34° 46' 28.16" W 107° 27' 13.55"	7.7
	VOR: ABQ	Available from N 34° 44' 20.77" W 107° 32' 10.83" to N 34° 46' 28.16" W 107° 27' 13.55"	
2	N 34° 49' 26.92" W 107° 20' 15.20"	N 34° 53' 44.47" W 107° 9' 58.32"	9.5
	VOR: ABQ	Available from N 34° 49' 26.92" W 107° 20' 15.20" to N 34° 53' 44.47" W 107° 9' 58.32"	
	VOR: ONM	Available from N 34° 49' 26.92" W 107° 20' 15.20" to N 34° 53' 44.47" W 107° 9' 58.32"	
3	N 35° 0' 22.43" W 106° 54' 44.41"	N 35° 3' 59.11" W 106° 47' 2.49"	7.3
	VOR: ABQ	Available from N 35° 0' 22.43" W 106° 54' 44.41" to N 35° 3' 59.11" W 106° 47' 2.49"	

DME/DME (Continued.)

Return To Summary

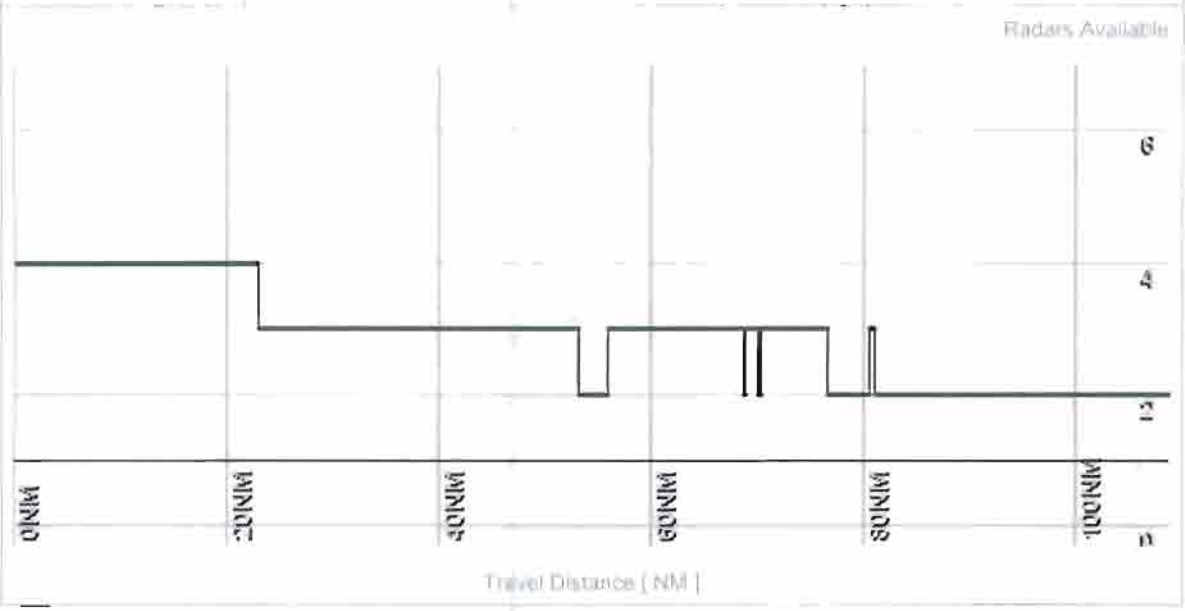
User DMEs

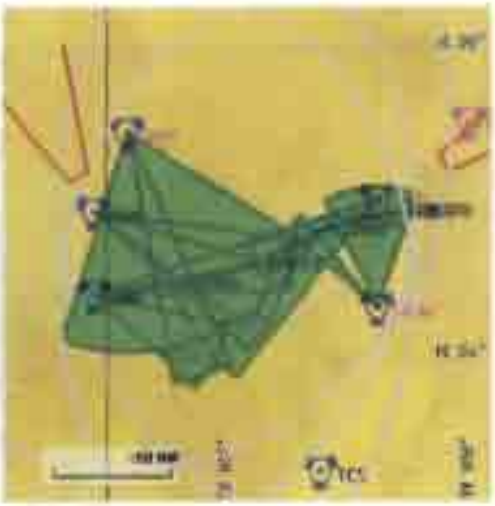
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ABQ	N 35° 2' 37.86" W 106° 48' 56.72" E 13	H	5748.5	113.20	ABQ	Used
		Restriction: Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°			Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
		ESV: Bearing [True]: 220.0° to 253.0° Bearing [Mag]: 207.0° to 240.0°			Arc Distance: Out to 90.0 NM Altitude: 15000.0 to 23000.0 Ft.		
		ESV: Bearing [True]: 238.0° to 252.0° Bearing [Mag]: 225.0° to 239.0°			Arc Distance: Out to 55.0 NM Altitude: 12500.0 to 17500.0 Ft.		
2	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H	7053.1	115.10	GUP	Used
		ESV: Bearing [True]: 120.0° to 199.0° Bearing [Mag]: 106.0° to 185.0°			Arc Distance: Out to 85.0 NM Altitude: 14000.0 to 24000.0 Ft.		
		ESV: Bearing [True]: 155.0° to 169.0° Bearing [Mag]: 141.0° to 155.0°			Arc Distance: Out to 99.0 NM Altitude: 19900.0 to 22000.0 Ft.		
3	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV: Bearing [True]: 310.0° to 320.0° Bearing [Mag]: 297.0° to 307.0°			Arc Distance: Out to 48.0 NM Altitude: 9500.0 to 17500.0 Ft.		
		ESV: Bearing [True]: 333.0° to 20.0° Bearing [Mag]: 320.0° to 7.0°			Arc Distance: Out to 47.0 NM Altitude: 7000.0 to 22000.0 Ft.		
4	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	6840.0	112.3	[None]	Used
		ESV: Bearing [True]: 71.0° to 86.0° Bearing [Mag]: 59.0° to 76.0°			Arc Distance: Out to 80.0 NM Altitude: 13500.0 to 23000.0 Ft.		
		ESV: Bearing [True]: 101.0° to 131.0° Bearing [Mag]: 89.0° to 119.0°			Arc Distance: Out to 55.0 NM Altitude: 19900.0 to 22000.0 Ft.		
5	ZUN	N 34° 57' 56.71" W 109° 9' 16.23" E 14	H	6550.0	113.40	ZUN	Not Used
		Restriction: Bearing [True]: 319.0° to 349.0° Bearing [Mag]: 305.0° to 335.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 97.0° to 130.0° Bearing [Mag]: 83.0° to 116.0°			Arc Distance: Out to 83.0 NM Altitude: 14000.0 to 23000.0 Ft.		
		ESV: Bearing [True]: 106.0° to 126.0° Bearing [Mag]: 92.0° to 112.0°			Arc Distance: Out to 77.0 NM Altitude: 13000.0 to 23000.0 Ft.		

Radar Analysis

Return To Summary

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





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Procedure Name:	KRKEE
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/19/2012 1:07:53 PM
Input File:	KABQ KRKEE STAR SJN BRNDO 20120419_1252.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 06/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

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

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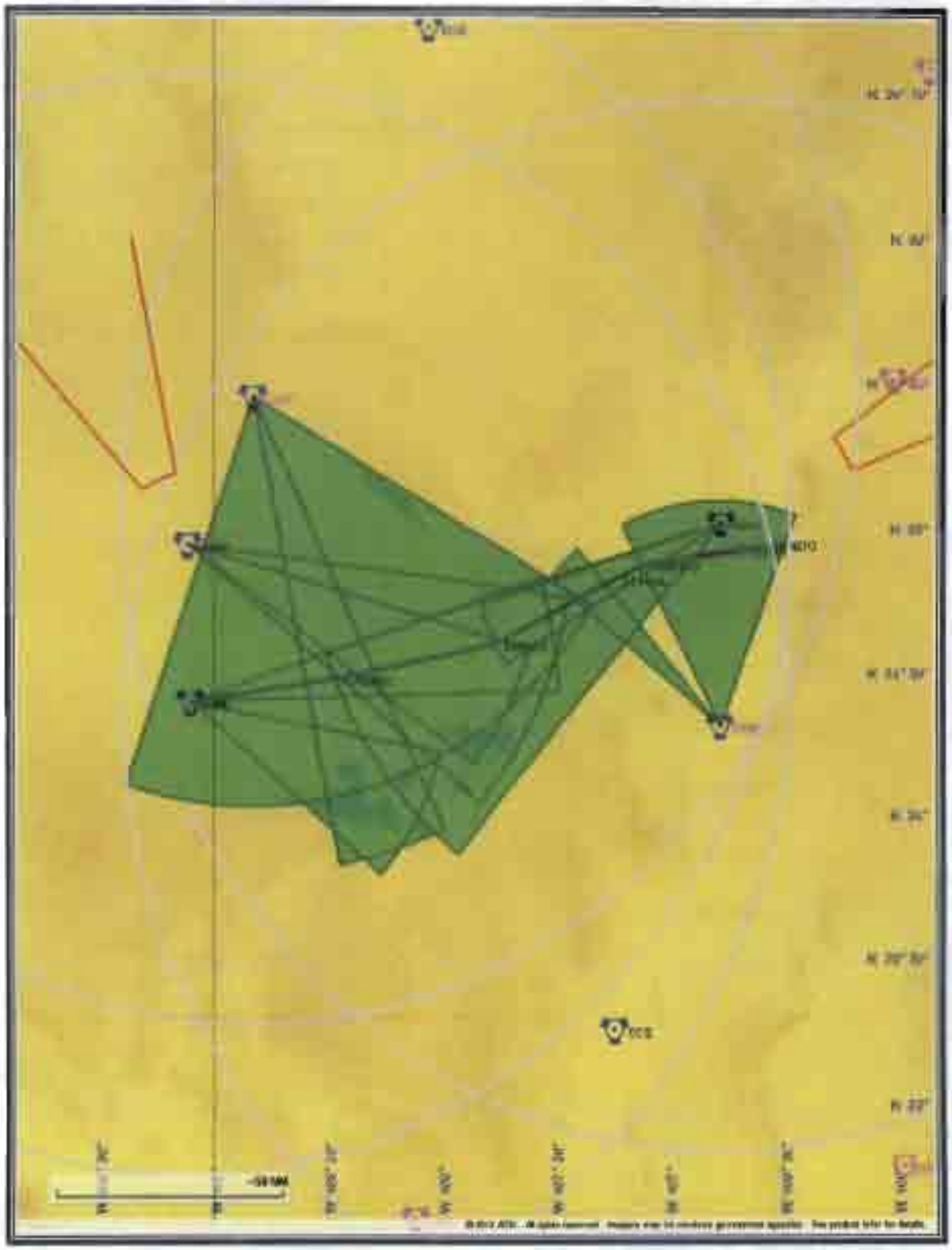


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
SJN	WP	N 34° 25' 26.55" W 109° 8' 36.71"	25000.0	Step	280.0	Fly By	TF
CABNO	WP	N 34° 30' 11.00" W 108° 30' 38.00"	25000.0	Step	280.0	Fly By	TF
KRKEE	WP	N 34° 37' 21.01" W 107° 48' 24.64"	20000.0	Step	270.0	Fly By	TF
ELRRA	WP	N 34° 50' 45.74" W 107° 17' 10.21"	11000.0	Step	250.0	Fly By	TF
XMRKS	WP	N 34° 53' 56.73" W 107° 9' 28.58"	9100.0	Step	180.0	Fly By	TF
STIKI	WP	N 34° 57' 3.77" W 106° 43' 8.84"	9000.0	Step	210.0	Fly By	TF
BRNDO	WP	N 34° 57' 15.45" W 106° 38' 57.26"	7700.0	Step	210.0	Fly Over	TF

Flyability

Return To Summary

Settings:

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

Table

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

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

Entire track is fly-able

DME/DME

Return To Summary

Settings:

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

Total Number of DMEs Used: 7

Maximum DME Error: 0.746 NM

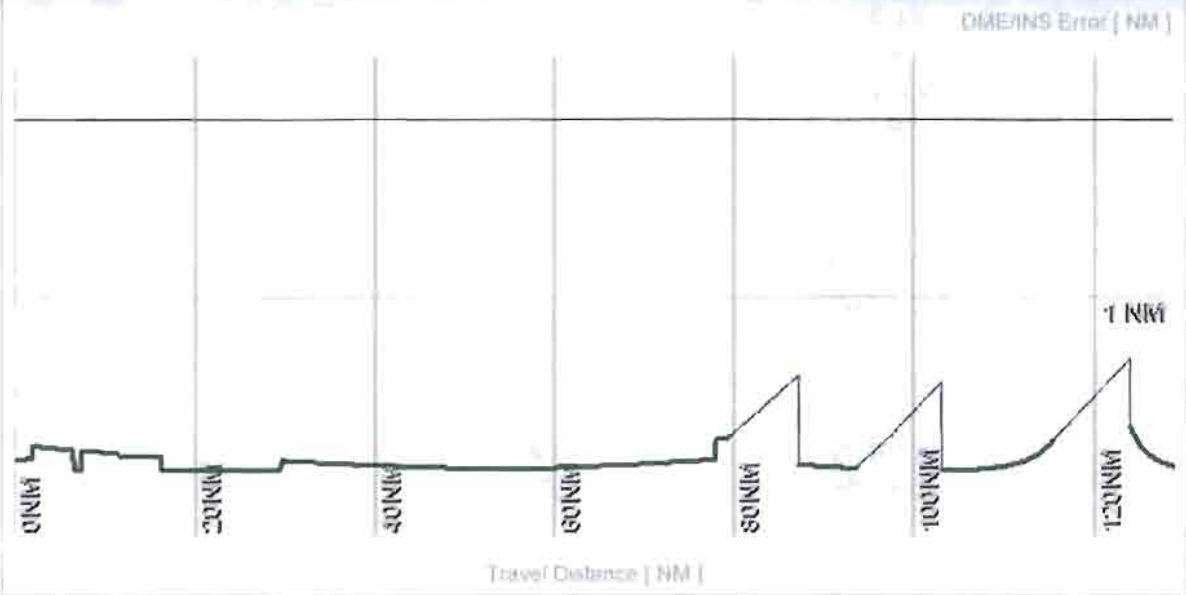
2 Critical DMEs were found.

Available DMEs: ABQ, GUP, ZUN, INW, SJN, SJN, TCS, ONM

Duplicate DMEs: SJN

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	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H + ESV	User	NO	0.768	Enabled	48.7 %	54.1 %
2	INW	N 35° 3' 41.78" W 110° 47' 42.07" E 14	H	Database	NO	0.746	Enabled	1.1 %	1.4 %
3	ABQ	N 35° 2' 37.68" W 106° 46' 58.72" E 13	H + ESV	User	YES	2.272	Enabled	63.1 %	52.6 %
4	ZUN	N 34° 57' 56.71" W 109° 9' 16.23" E 14	H + ESV	User	NO	0.746	Enabled	5.6 %	7.5 %
5	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	Database	NO	0.746	Enabled	4.5 %	6.0 %
6	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	YES	2.272	Enabled	24.6 %	21.9 %
7	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H + ESV	User	NO	0.746	Enabled	5.0 %	6.2 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	GUP	INW	ZUN	ABQ	SJN	SJN
10.1	GUP	ONM	ZUN	ABQ	SJN	TCS
20.7	GUP	SJN	ZUN	ABQ	SJN	TCS
31.4	GUP	ONM	ZUN	ABQ	SJN	SJN
66.6	GUP	ONM	ZUN	ABQ	SJN	
96.3	ABQ					
103.0	ABQ	ONM				
125.1	ABQ	ONM				

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 42' 55.87" W 107° 35' 27.65"	N 34° 46' 28.46" W 107° 27' 12.42"	7.7

VOR: ABQ

Available from N 34° 44' 20.98" W 107° 32' 9.65"
to N 34° 46' 28.46" W 107° 27' 12.42"

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length (NM)
2	N 34° 49' 25.47" W 107° 20' 18.45"	N 34° 53' 43.33" W 107° 10' 1.10"	9.5
	VOR: ABQ	Available from N 34° 49' 25.47" W 107° 20' 18.45" to N 34° 53' 43.33" W 107° 10' 1.10"	
	VOR: ONM	Available from N 34° 49' 25.47" W 107° 20' 18.45" to N 34° 53' 43.33" W 107° 10' 1.10"	
3	N 34° 55' 39.77" W 106° 55' 5.52"	N 34° 56' 52.31" W 106° 44' 47.38"	8.6
	VOR: ABQ	Available from N 34° 55' 39.77" W 106° 55' 5.52" to N 34° 56' 52.31" W 106° 44' 47.38"	
	VOR: ONM	Available from N 34° 55' 39.77" W 106° 55' 5.52" to N 34° 56' 52.31" W 106° 44' 47.38"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ABQ	N 35° 2' 37.86" W 106° 46' 58.72" E 13	H	5748.5	113.20	ABQ	Used
		Restriction: Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°			Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
		ESV: Bearing [True]: 220.0° to 253.0° Bearing [Mag]: 207.0° to 240.0°			Arc Distance: Out to 90.0 NM Altitude: 15000.0 to 23000.0 Ft.		
		ESV: Bearing [True]: 238.0° to 252.0° Bearing [Mag]: 225.0° to 239.0°			Arc Distance: Out to 55.0 NM Altitude: 12500.0 to 17500.0 Ft.		
2	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H	7053.1	115.10	GUP	Used
		ESV: Bearing [True]: 120.0° to 199.0° Bearing [Mag]: 106.0° to 185.0°			Arc Distance: Out to 85.0 NM Altitude: 14000.0 to 24000.0 Ft.		
		ESV: Bearing [True]: 155.0° to 169.0° Bearing [Mag]: 141.0° to 155.0°			Arc Distance: Out to 99.0 NM Altitude: 19900.0 to 22000.0 Ft.		
3	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV: Bearing [True]: 310.0° to 320.0° Bearing [Mag]: 297.0° to 307.0°			Arc Distance: Out to 48.0 NM Altitude: 9500.0 to 17500.0 Ft.		
		ESV: Bearing [True]: 333.0° to 20.0° Bearing [Mag]: 320.0° to 7.0°			Arc Distance: Out to 47.0 NM Altitude: 7000.0 to 22000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	ZUN	N 34° 57' 56.71" W 109° 9' 16.23" E 14	H	6550.0	113.40	ZUN	Not Used

Restriction:	Bearing [True]: 319.0° to 349.0° Bearing [Mag]: 305.0° to 335.0°	Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.
ESV:	Bearing [True]: 97.0° to 130.0° Bearing [Mag]: 83.0° to 116.0°	Arc Distance: Out to 83.0 NM Altitude: 14000.0 to 23000.0 Ft.
ESV:	Bearing [True]: 106.0° to 126.0° Bearing [Mag]: 92.0° to 112.0°	Arc Distance: Out to 77.0 NM Altitude: 13000.0 to 23000.0 Ft.

Radar Analysis

Return To Summary

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

Name:	enanders
Project Name:	
Output File:	KRKEE STAR KALSE ABQ 20120419_1051
Procedure Name:	KRKEE
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	4/19/2012 10:51:29 AM
Input File:	KABQ KRKEE STAR KALSE ABQ 20120419_1044.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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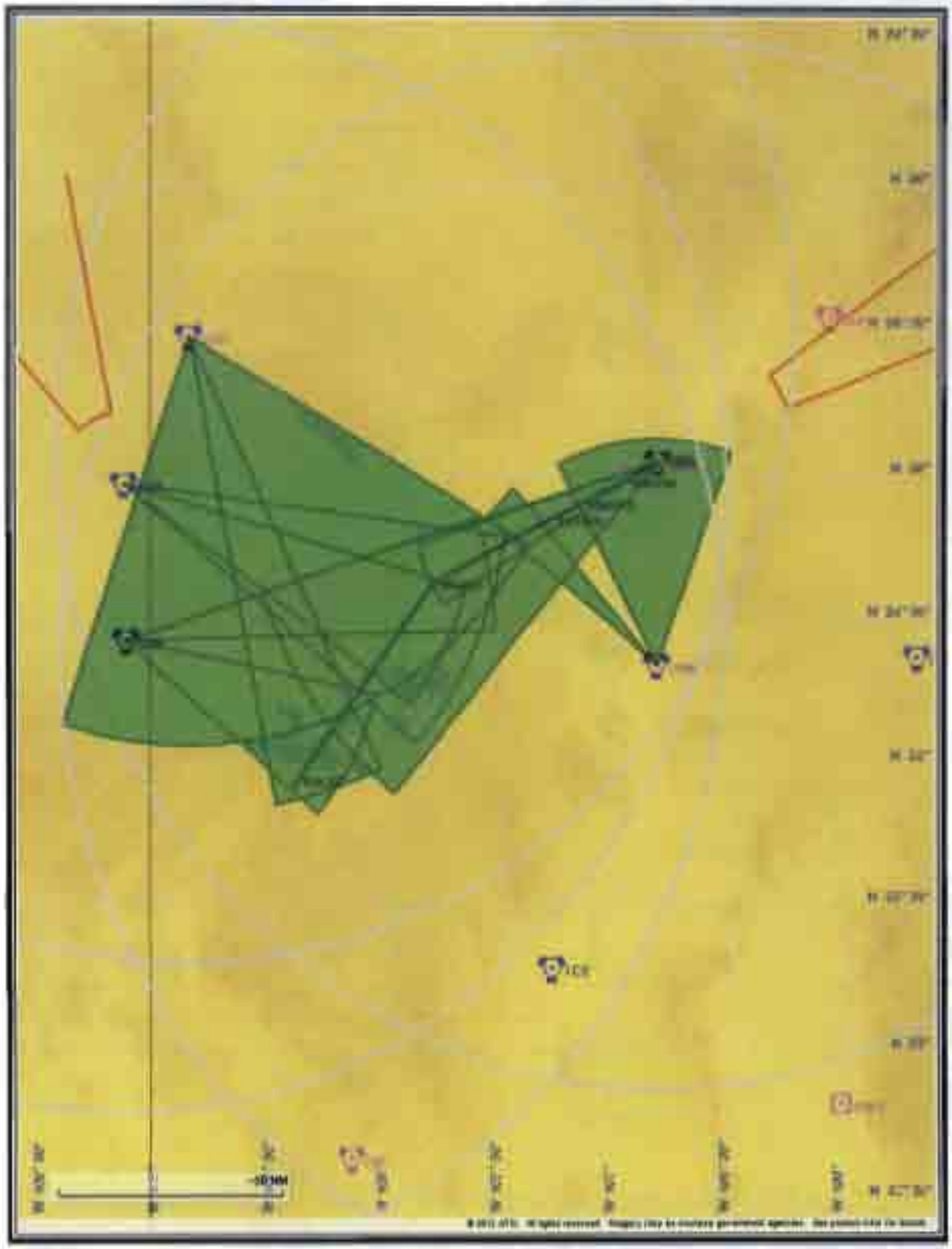


Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
KALSE	WP	N 33° 55' 15.95" W 108° 24' 44.17"	20000.0	Step	280.0	Fly By	TF
KRKEE	WP	N 34° 37' 21.01" W 107° 48' 24.64"	20000.0	Step	270.0	Fly By	TF
ELRRA	WP	N 34° 50' 45.74" W 107° 17' 10.21"	11000.0	Step	250.0	Fly By	TF
XMRKS	WP	N 34° 53' 56.73" W 107° 9' 28.58"	9100.0	Step	180.0	Fly By	TF
AMRRA	WP	N 34° 58' 38.48" W 106° 58' 25.94"	8900.0	Step	180.0	Fly By	TF
ABQ	WP	N 35° 2' 37.66" W 106° 48' 58.72"	8300.0	Step	180.0	Fly Over	TF

Procedure uses Sonny

Flyability

Return To Summary

Settings:

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

Table:

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

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

Entire track is fly-able

DME/DME

Return To Summary

Settings:

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

Total Number of DMEs Used: 5

Maximum DME Error: 0.672 NM

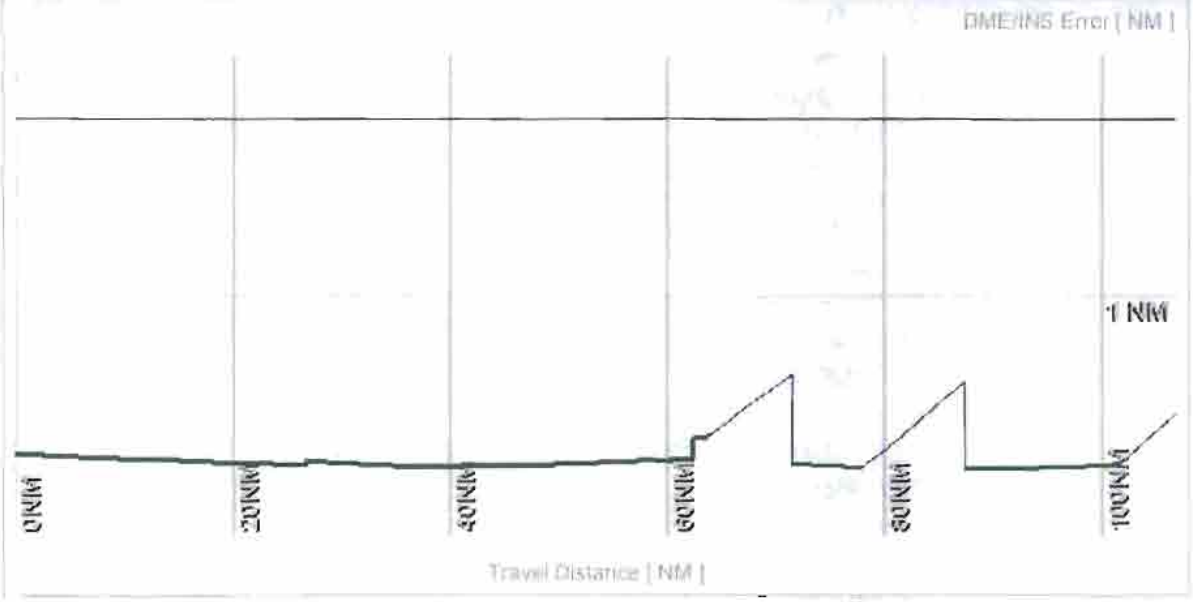
2 Critical DMEs were found.

Available DMEs: GUP, ONM, SJN, TCS, ABQ, ZUN

Duplicate DMEs: SJN

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	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H + ESV	User	NO	0.766	Enabled	45.7 %	49.3 %
2	ONM	N 34° 20' 20.04" W 106° 49' 13.69" E 13	H + ESV	User	YES	**2.019**	Enabled	35.1 %	33.8 %
3	ABQ	N 35° 2' 37.66" W 106° 48' 58.72" E 13	H + ESV	User	YES	**2.019**	Enabled	62.2 %	63.0 %
4	TCS	N 33° 16' 57.01" W 107° 16' 49.95" E 13	H	Database	NO	0.672	Enabled	9.5 %	10.4 %
5	SJN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H + ESV	User	NO	0.646	Enabled	1.3 %	1.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ONM	GUP	SJN	TCS	ABQ	ZUN
30.4	ONM	GUP	SJN	ZUN	ABQ	
50.8	ONM	GUP	SJN	ZUN	ABQ	
80.6	ONM	ABQ				
87.7	ONM	ABQ				
98.0	ONM	ABQ				

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 34° 42' 55.73" W 107° 35' 28.88"	N 34° 46' 28.16" W 107° 27' 13.55"	7.7
	VOR: ABQ	Available from N 34° 44' 20.77" W 107° 32' 10.83" to N 34° 46' 28.16" W 107° 27' 13.55"	
2	N 34° 49' 26.92" W 107° 20' 15.20"	N 34° 53' 44.47" W 107° 9' 58.32"	9.5
	VOR: ABQ	Available from N 34° 49' 26.92" W 107° 20' 15.20" to N 34° 53' 44.47" W 107° 9' 58.32"	
	VOR: ONM	Available from N 34° 49' 26.92" W 107° 20' 15.20" to N 34° 53' 44.47" W 107° 9' 58.32"	
3	N 35° 0' 14.33" W 106° 54' 39.08"	N 35° 2' 37.34" W 106° 48' 59.48"	5.2
	VOR: ABQ	Available from N 35° 0' 14.33" W 106° 54' 39.08" to N 35° 2' 37.34" W 106° 48' 59.48"	

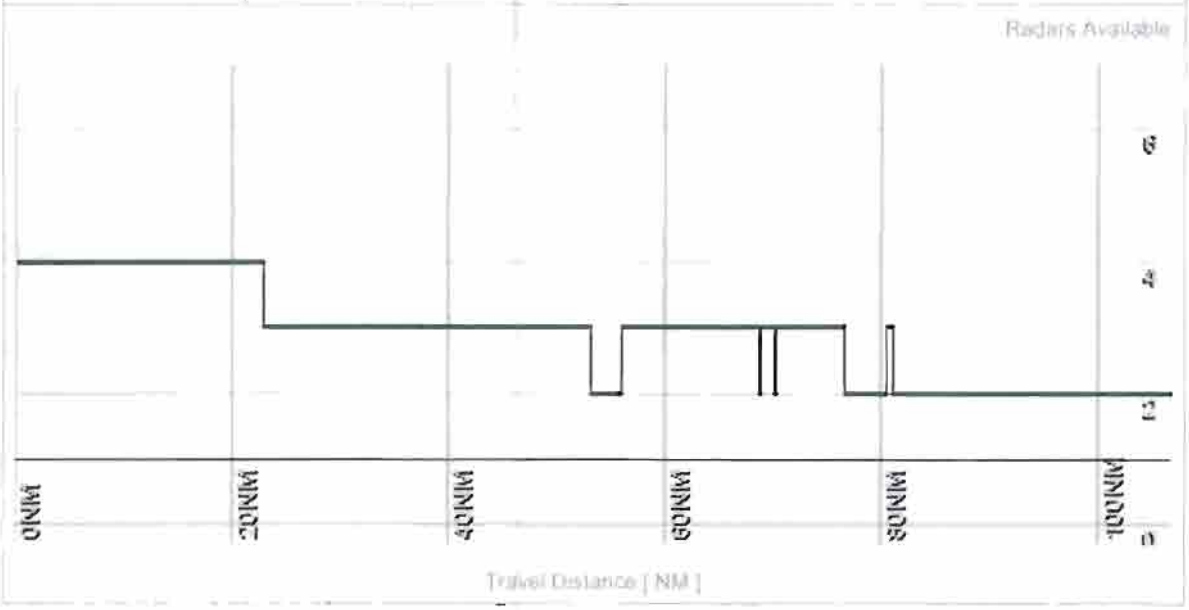
DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	ABQ	N 35° 2' 37.66" W 106° 46' 58.72" E 13	H	5748.5	113.20	ABQ	Used
		Restriction: Bearing [True]: 53.0° to 68.0° Bearing [Mag]: 40.0° to 55.0°			Distance: Beyond 30.0 NM Altitude: Below 15000.0 Ft.		
		ESV: Bearing [True]: 220.0° to 253.0° Bearing [Mag]: 207.0° to 240.0°			Arc Distance: Out to 90.0 NM Altitude: 15000.0 to 23000.0 Ft.		
		ESV: Bearing [True]: 238.0° to 252.0° Bearing [Mag]: 225.0° to 239.0°			Arc Distance: Out to 55.0 NM Altitude: 12500.0 to 17500.0 Ft.		
2	GUP	N 35° 28' 33.60" W 108° 52' 21.40" E 14	H	7053.1	115.10	GUP	Used
		ESV: Bearing [True]: 120.0° to 199.0° Bearing [Mag]: 106.0° to 185.0°			Arc Distance: Out to 85.0 NM Altitude: 14000.0 to 24000.0 Ft.		
		ESV: Bearing [True]: 155.0° to 169.0° Bearing [Mag]: 141.0° to 155.0°			Arc Distance: Out to 99.0 NM Altitude: 19900.0 to 22000.0 Ft.		
3	ONM	N 34° 20' 20.04" W 108° 49' 13.69" E 13	H	4910.0	116.80	ONM	Used
		ESV: Bearing [True]: 310.0° to 320.0° Bearing [Mag]: 297.0° to 307.0°			Arc Distance: Out to 48.0 NM Altitude: 9500.0 to 17500.0 Ft.		
		ESV: Bearing [True]: 333.0° to 20.0° Bearing [Mag]: 320.0° to 7.0°			Arc Distance: Out to 47.0 NM Altitude: 7000.0 to 22000.0 Ft.		
4	SUN	N 34° 25' 26.55" W 109° 8' 36.71" E 12	H	6840.0	112.3	(None)	Used
		ESV: Bearing [True]: 71.0° to 88.0° Bearing [Mag]: 59.0° to 76.0°			Arc Distance: Out to 80.0 NM Altitude: 13500.0 to 23000.0 Ft.		
		ESV: Bearing [True]: 101.0° to 131.0° Bearing [Mag]: 89.0° to 119.0°			Arc Distance: Out to 55.0 NM Altitude: 19900.0 to 22000.0 Ft.		
5	ZUN	N 34° 57' 56.71" W 109° 9' 16.23" E 14	H	6550.0	113.40	ZUN	Not Used
		Restriction: Bearing [True]: 319.0° to 349.0° Bearing [Mag]: 305.0° to 335.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 97.0° to 130.0° Bearing [Mag]: 83.0° to 116.0°			Arc Distance: Out to 83.0 NM Altitude: 14000.0 to 23000.0 Ft.		
		ESV: Bearing [True]: 106.0° to 126.0° Bearing [Mag]: 92.0° to 112.0°			Arc Distance: Out to 77.0 NM Altitude: 13000.0 to 23000.0 Ft.		

Radar Analysis

Return To Summary

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