Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: STAR	Date Open: 12/17/2013	Task #: 2013121731831806008	Request #: 20131217318318
Procedure: STAR ANCHR (RNAV) THREE DENVER CO KDEN		Airport ID: KDEN	Airport: DENVER INTL		Reimbursable #:
City: DENVER	ST: CO	GPS #:		Estimated Chart Date: 09/18/2014	FICO #: 1128776
Fac ID:	Fac. Type:	Specialist: DAVID DOWLING			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	01/29/2014	04/25/2014	LONNIE EVERHART	
QA:	null			
Liaison:			MARY MCDONALD	RESUBMIT 7/15/2014

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

ESV (3): BJC VOR/DME (3).
ASSIGNED MAG VAR: KDEN 8E/2015. DATA USED: NA (RNAV)
CONTACT: VIC NASO/TONY LAWSON, AJV-354 LEADS, 405-954-5181/2788.

FIPC DME/DME FORM

PROCEDURE:	AIRPORT NAME:	AIRPORT ID:	SPECIAL CONTROL NO:
STAR,ANCHR (RNAV),THREE,DENVER,CO,KDEN,!	DENVER INTL	KDEN	SG-04-352-14

FAC ID: ANCHR3	CITY: DENVER	ST: CO	ORIG CHART DATE: 07/24/2014

DFL TYPE:	THIRD PARTY:	EST. TIME ON SITE:	REIMB. NUMBER:	PTS TASK ID:
PROC/D	☐ YES	0.5		

PREFLIGHT NOTES

REVIEWER: tony bamsey

DATE: 06/30/2014

COMMENTS:
UNSAT for MEA discrepancies between the -4 and RNAV-PRO files at DOGGG, DONTT and BARRK

CHECK ONE:
☐ FLT CK REQ ☐ NFCR ☒ REJECT

	YES	NO
CPV COMPLETE?		X

PROCEDURE RESULTS

INSPECTION DATE:	CREW #:	N #:	INSTRUMENT PROCEDURE STATUS:	ARINC CODING:
05/22/2014	VN307		☐ SAT ☒ UNSAT	☐ SAT ☐ SAT/GOLD ☒ UNSAT

FLIGHT INSPECTOR SIGNATURE:	PRINTED NAME:	NOTAM INITIATED?
tony bamsey @ 06/30/2014 14:32	BAMSEY, ANTHONY ERIC	☐ YES ☒ NO

FLIGHT INSPECTOR REMARKS:
MEAs do not match between the -4 and RNAV-PRO files at DOGGG, DONTT and BARRK.

DME/DME STATUS:	SPECIALIST SIGNATURE:	PRINTED NAME:
☐ SAT ☐ UNSAT		

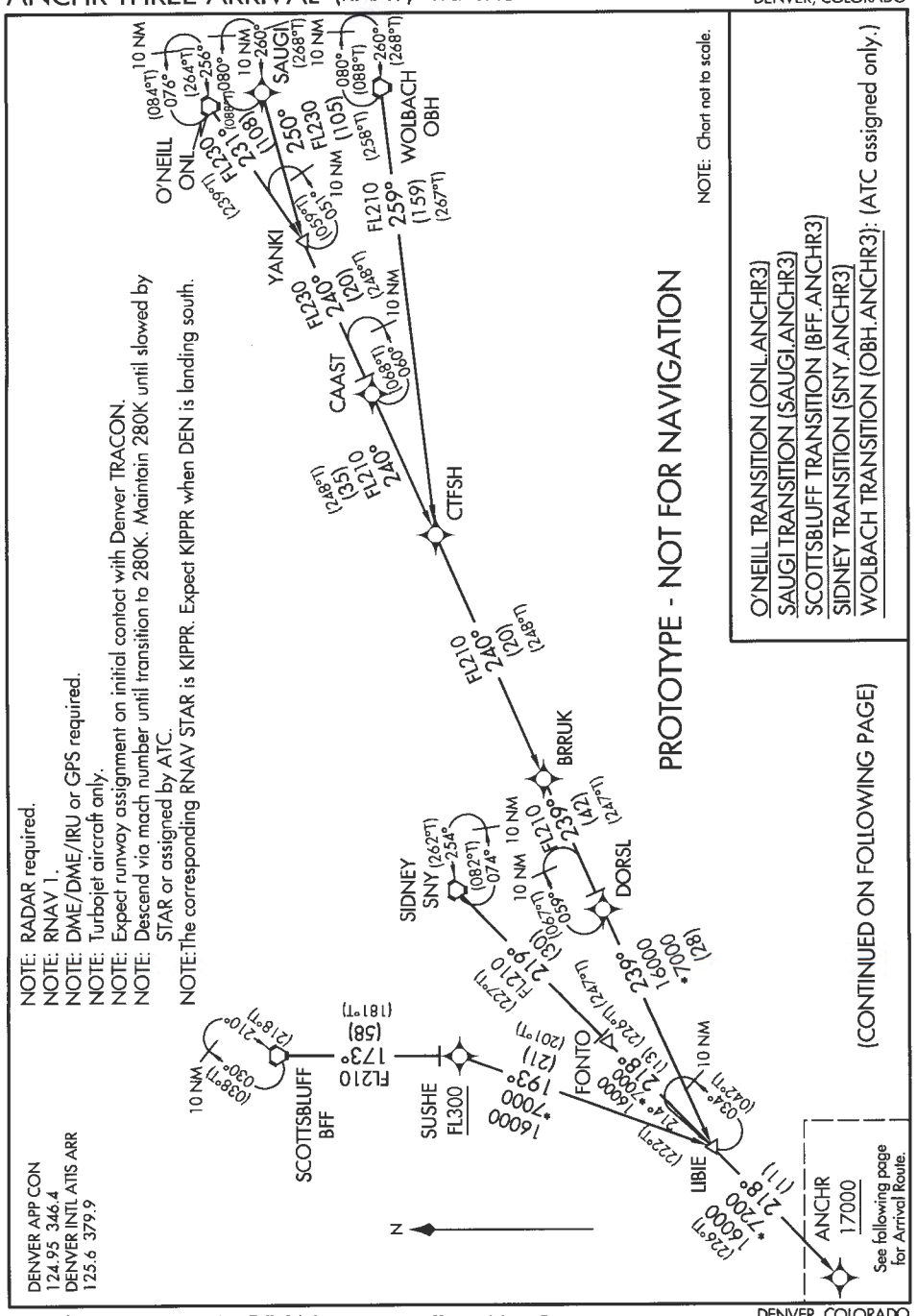
SPECIALIST REMARKS:

IN-FLIGHT OBSTACLE REPORT

OBSTRUCTION ID #	COORDINATES OR LOCATION:	GNSS ALTITUDE (MSL):	BAROMETRIC ALTITUDE (MSL):	HEIGHT ABOVE GROUND LEVEL:

ANCHR THREE ARRIVAL (RNAV) Transition Routes

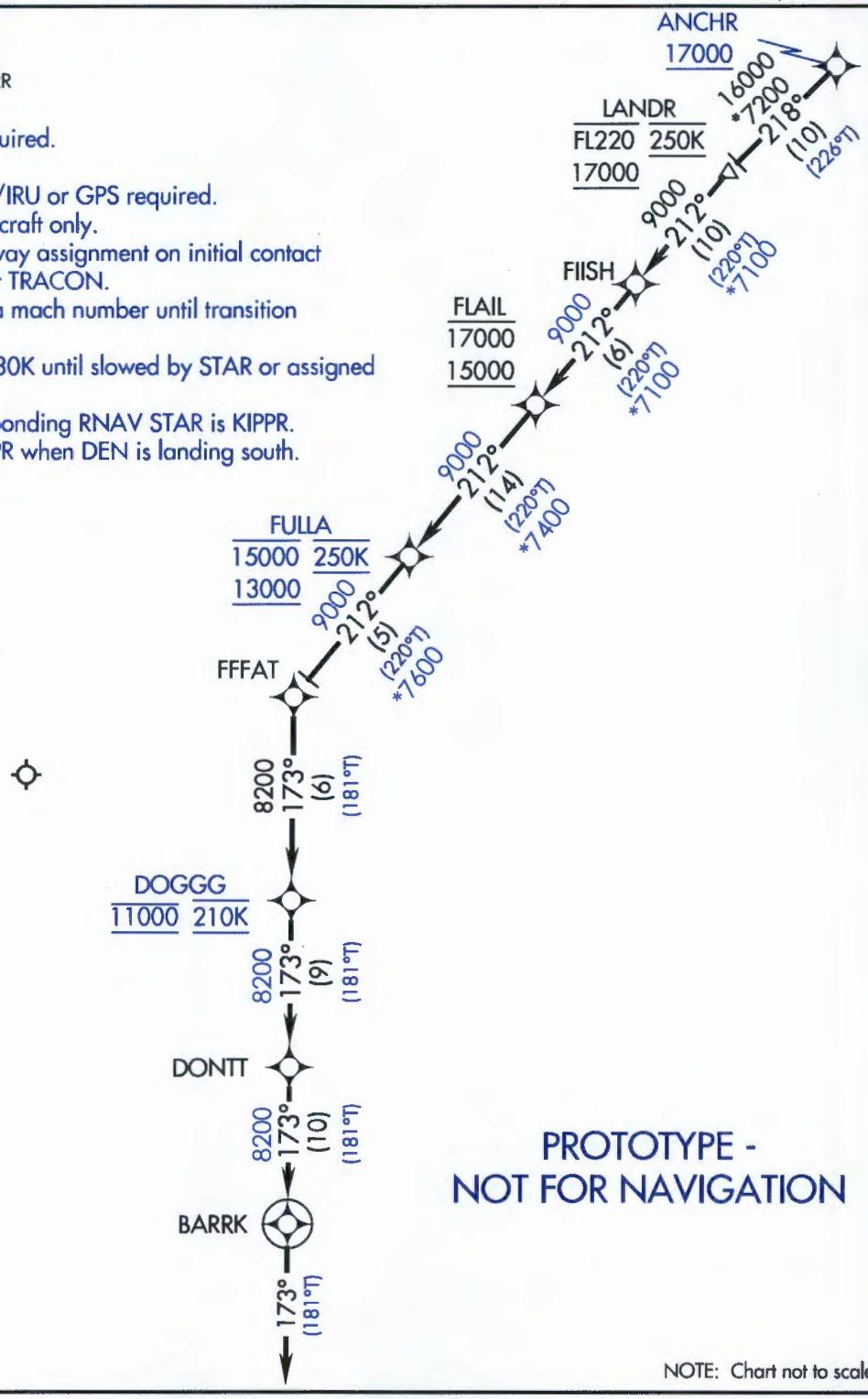
DENVER INTL (DEN)
DENVER, COLORADO



ANCHR THREE ARRIVAL (RNAV) Arrival Route

DENVER APP CON
124.95 346.4
DEVNVER INTL ATIS ARR
125.6 379.9

NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.
NOTE: Expect runway assignment on initial contact with Denver TRACON.
NOTE: Descend via mach number until transition to 280K.
Maintain 280K until slowed by STAR or assigned by ATC.
NOTE: The corresponding RNAV STAR is KIPPR.
Expect KIPPR when DEN is landing south.



PROTOTYPE -
NOT FOR NAVIGATION

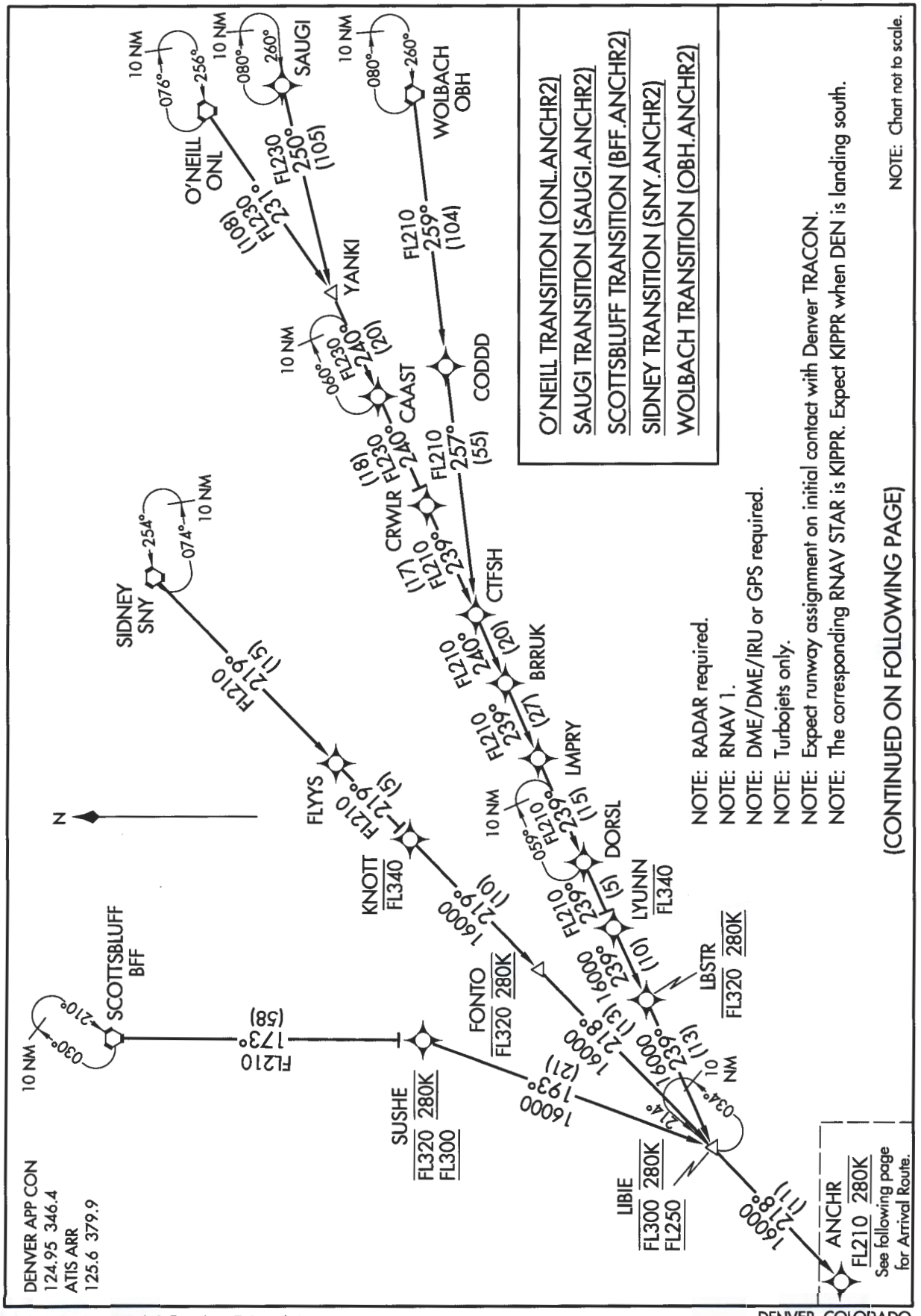
NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

From ANCHR on track 218° to cross LANDR at/above 17000 and at/below FL220 and at 250K, then as depicted to BARRK, then on track 173°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS: In the event of lost communications prior to runway assignment, execute the ILS RWY 35L.

OLD TPP



SW-1, 09 JAN 2014 to 06 FEB 2014

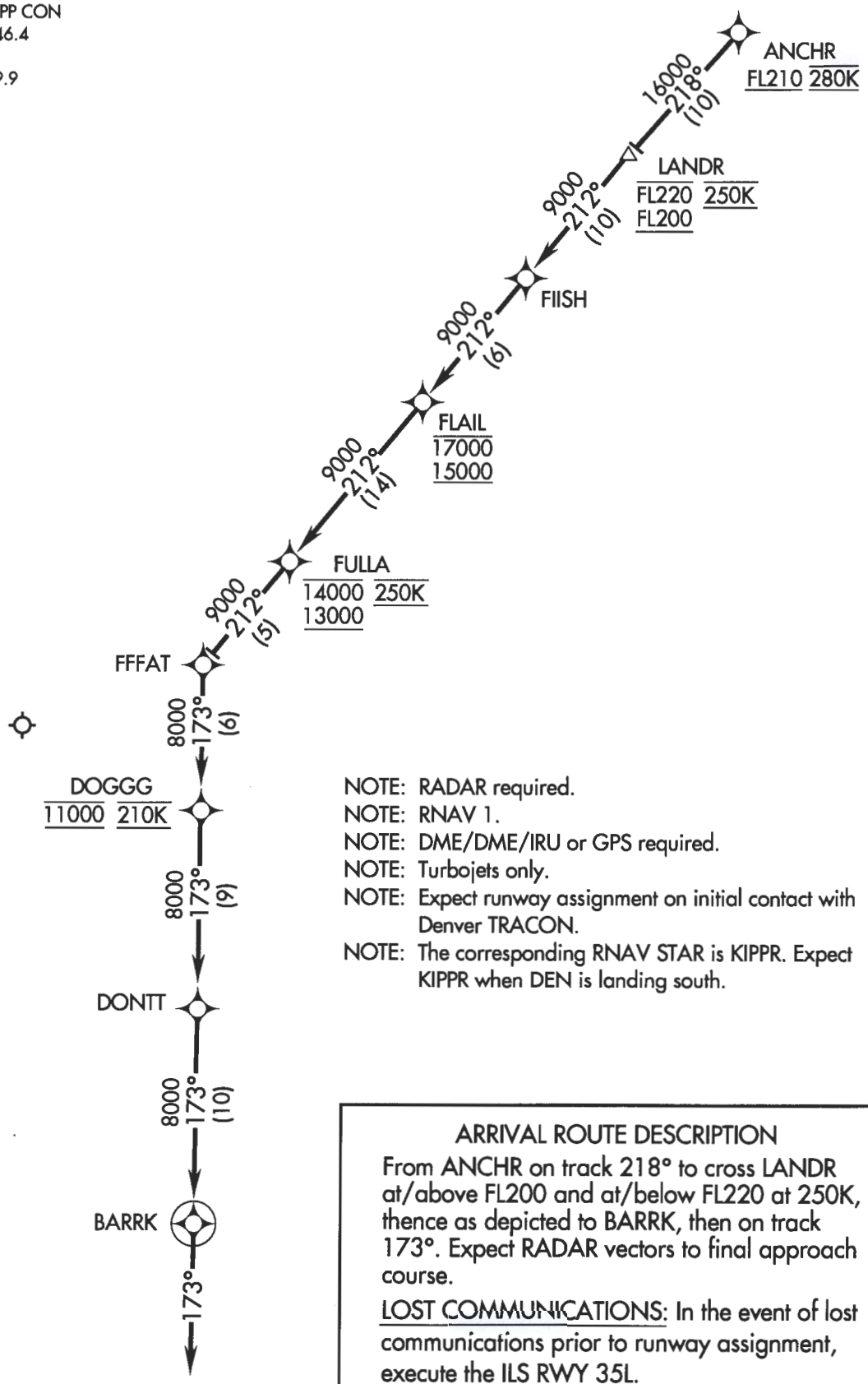
ANCHR TWO ARRIVAL(RNAV) Transition Routes
(ANCHR.ANCHR2) 13178
DENVER, COLORADO
DENVER INTL (DEN)

old TPP

ANCHR TWO ARRIVAL (RNAV) Arrival Route

DENVER INTL (DEN)
DENVER, COLORADO

DENVER APP CON
124.95 346.4
ATIS ARR
125.6 379.9



NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojets only.
NOTE: Expect runway assignment on initial contact with Denver TRACON.
NOTE: The corresponding RNAV STAR is KIPPR. Expect KIPPR when DEN is landing south.

ARRIVAL ROUTE DESCRIPTION

From ANCHR on track 218° to cross LANDR at/above FL200 and at/below FL220 at 250K, thence as depicted to BARRK, then on track 173°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS: In the event of lost communications prior to runway assignment, execute the ILS RWY 35L.

NOTE: Chart not to scale.

SW-1, 09 JAN 2014 to 06 FEB 2014

SW-1, 09 JAN 2014 to 06 FEB 2014

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish			
Facility Data					
Chart Name : JEFFCO	City : BROOMFIELD	Ident : BJC	State : CO		
Type/Class : DME	Frequency : M1188	Reference No.: 14023032			
Expanded Service Volume Data: (Requesting Officer)					
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 910541-014	43	70	97	132	220
Requirement: KDEN: ANCHR STAR; MITIGATES CRIT DMES.					
Signature: Graham Bob	Routing Symbol: AJV-W21				Date: 02/07/2014
Expanded Service Volume Data: (FMO)					
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910541-014	43	70	97	132	220	APPROVE
Requirement/Remarks: KDEN: ANCHR STAR; MITIGATES CRIT DMES. APPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT.					
Signature: Nguyen Khoat	Routing Symbol:			Date: 02/10/2014	
Expanded Service Volume Data: (Super FMO)					
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910541-014	43	70	97	132	220	APPROVE
Requirement/Remarks: KDEN: ANCHR STAR; MITIGATES CRIT DMES. PEND FLT CHK @ REQ. DIST .& MIN ALT. CAPACITY STUDY REQ./INCREASED INTERROGATION LOAD MAY REDUCE TRANSPONDER REPLIES RESULTING IN LOSS OF DME SERVICE FOR SOME A/C					
Signature: Hughes Dennis	Routing Symbol:			Date: 02/14/2014	
Expanded Service Volume Data: (FIFO)					
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910541-014	43	70				
Requirement/Remarks:						
Signature:	Routing Symbol:			Date:		

ANCHR

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : JEFFCO	City : BROOMFIELD	Ident : BJC	State : CO
Type/Class : DME	Frequency : M1188	Reference No.: 14023033	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 910541-015	42	70	84	132	220

Requirement: KDEN: ANCHR STAR; MITIGATES CRIT DMES.

Signature: Graham Bob	Routing Symbol: AJV-W21	Date: 02/07/2014

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910541-015	42	70	84	132	220	APPROVE

Requirement/Remarks: KDEN: ANCHR STAR; MITIGATES CRIT DMES. APPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT.

Signature: Nguyen Khoat	Routing Symbol:	Date: 02/10/2014

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910541-015	42	70	84	132	220	APPROVE

Requirement/Remarks: KDEN: ANCHR STAR; MITIGATES CRIT DMES. PEND FLT CHK @ REQ. DIST .& MIN ALT. CAPACITY STUDY REQ./INCREASED INTERROGATION LOAD MAY REDUCE TRANSPONDER REPLIES RESULTING IN LOSS OF DME SERVICE FOR SOME A/C

Signature: Hughes Dennis	Routing Symbol:	Date: 02/14/2014

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910541-015	42	70				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ANCHR

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : JEFFCO	City : BROOMFIELD	Ident : BJC	State : CO
Type/Class : DME	Frequency : M1188	Reference No.: 14023030	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 910541-012	37	70	95	132	220

Requirement: KDEN: ANCHR STAR; MITIGATES CRIT DMES.

Signature: Graham Bob	Routing Symbol: AJV-W21	Date: 02/07/2014

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910541-012	37	70	95	132	220	APPROVE

Requirement/Remarks: KDEN: ANCHR STAR; MITIGATES CRIT DMES. APPROVED. FREQ. PROTECTION & FIELD STRENGTH. PENDING FLIGHT INSPECT @ REQUIRED. DIST. & MIN ALT.

Signature: Nguyen Khoat	Routing Symbol:	Date: 02/10/2014

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910541-012	37	70	95	132	220	APPROVE

Requirement/Remarks: KDEN: ANCHR STAR; MITIGATES CRIT DMES. PEND FLT CHK @ REQ. DIST .& MIN ALT. CAPACITY STUDY REQ./INCREASED INTERROGATION LOAD MAY REDUCE TRANSPONDER REPLIES RESULTING IN LOSS OF DME SERVICE FOR SOME A/C

Signature: Hughes Dennis	Routing Symbol:	Date: 02/14/2014

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 910541-012	37	70				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ANCHR

Approved ESVs Report

Region - CE

Ident - LNK **City - LINCOLN, NE** **Frequency - 1195-MHz** **Facility - TACR**

ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Fight Check Date
FAA 680253-002	190	0	57	40	175	
Requirement : 051013E 051017 APPROVED . 070501 AVN - 150						
FAA 680253-003	21	0	47	30	158	
Requirement : 070702E MITZY 070703 Approved. 070813 AVN-150						
FAA 680253-004	21	0	47	30	145	
Requirement : Fix make-up MITZY Int						
FAA 680253-005	190	0	76	50	175	
Requirement : V532 COP						
FAA 680253-006	248	0	79	65	145	
Requirement : SRS to HSI						
FAA 680253-007	311	0	42	35	145	
Requirement : SRS to OLU V71						
FAA 680253-008	287	306	150	230	450	08/29/2012
Requirement : 120622E DEN KIPPR RNAV STAR; MITIGATE CRITICAL DMES 120622 APPROVED.						

Ident - LNK **City - LINCOLN, NE** **Frequency - 116.1-MHz** **Facility - H-VOR**

ESV ID	Radial 1	Radial 2	Distance	Alt Min	Alt Max	Fight Check Date
FAA 680254-002	190	0	57	40	175	
Requirement : 051013E 051017 APPROVED . 070501 AVN - 150						
FAA 680254-003	68	0	72	50	175	
Requirement : 900101E DR 900101A 900101A						
FAA 680254-004	141	0	50	34	145	
Requirement : 900101E PWE SRS 900101A 900101A						
FAA 680254-005	180	0	53	33	145	
Requirement : 900101E INT 900101A 900101A						
FAA 680254-007	265	0	72	50	145	
Requirement : 900101E GRI SRS 900101A 900101A						
FAA 680254-011	21	0	47	30	158	
Requirement : 070702E MITZY 070703 Approved. 070813 AVN-150						
FAA 680254-012	21	0	47	30	145	
Requirement : Fix make-up MITZY Int						
FAA 680254-013	190	0	76	50	175	
Requirement : V532 COP						

Get (100 Records) **Next >>**

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
SCOTTSBLUFF	BFF.ANCHR3	BFF VORTAC	BFF VORTAC					
			SUSHE	173.14/58.07	FL210			AT/ABOVE FL300
			LIBIE	192.97/20.84	16000	7000		
			ANCHR	218.26/11.35	16000	7200		AT/ABOVE 17000
WOLBACH	OBH .ANCHR3	OBH VORTAC	OBH VORTAC					
			CTFSH	258.96/159.04	FL210			
			BRRUK	240.04/19.64	FL210			
			DORSL	239.33/41.68	FL210			
			LIBIE	238.77/28.13	16000	7000		
			ANCHR	218.26/11.35	16000	7200		AT/ABOVE 17000
O'NEILL	ONL.ANCHR3	ONL VORTAC	ONL VORTAC					
			YANKI	231.00/107.66	FL230			
			CAAST	240.06/19.88	FL230			
			CTFSH	239.99/35.03	FL210			(CONTINUED)

(2) Arrival Route Description: FROM ANCHR ON TRACK 218.17/9.74 TO CROSS LANDR BETWEEN 17000 AND FL220 AND AT 250 KIAS (MEA 16000/MOCA 7200). THEN AS DEPICTED TO BARRK, THEN ON TRACK 172.75. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

(3) Procedural Data Notes:
NOTE: RADAR REQUIRED. NOTE: RNAV 1. NOTE: DME/DME/IRU OR GPS REQUIRED.
NOTE: TURBOJET AIRCRAFT ONLY.
NOTE: OBH TRANSITION ATC ASSIGNED ONLY.
NOTE: EXPECT RUNWAY ASSIGNMENT ON INITIAL CONTACT WITH DENVER TRACON.
NOTE: DESCEND VIA MACH NUMBER UNTIL TRANSITION TO 280K. MAINTAIN 280K UNTIL SLOWED BY STAR OR ASSIGNED BY ATC.
NOTE: THE CORRESPONDING RNAV STAR IS KIPPR. EXPECT KIPPR WHEN DEN IS LANDING SOUTH.

(4) Fixes and/or Holding Patterns: CHART HOLDING AT CAAST (HOLD NE, LT, 240.06 INBOUND, 10 NM LEGS). CHART HOLDING AT DORSL (HOLD NE, RT, 238.96 INBOUND, 10 NM LEGS). CHART HOLDING AT BFF VORTAC (HOLD NE, RT, 210.00 INBOUND, 10 NM LEGS). CHART HOLDING AT SNY VORTAC (HOLD E, LT, 253.96 INBOUND, 10 NM LEGS). CHART HOLDING AT LIBIE (HOLD NE, LT, 213.73 INBOUND, 10 NM LEGS;
Continued on block 16...

(5) Communications: DENVER APP CON, DENVER ATIS ARR

QUALITY 2 CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	

(12) Airports Served	
Airport Name DENVER INTL	City/State DENVER, CO
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State

(13) Lost Communications Procedure: IN THE EVENT OF LOST COMMUNCATIONS PRIOR TO RUNWAY ASSIGNMENT, EXECUTE THE ILS RWY 35L.

(14) Remarks:
MOUNTAINOUS ROC REDUCTION REQUIRED FOR LEGS DOGGG TO DONTT TO BARRK. TARGETS VERIFIED NO PRECIPITOUS TERRAIN PRESENT.
MAXIMUM TREE HEIGHT WITHIN 50 NM OF DEN IS 50 FT AGL. SOURCE: COLORADO STATE FOREST SERVICE.
TREE HEIGHT APPLIED TO 6447 MSL TERRAIN FOR AN MEA OF 8200 TO BE APPLIED FROM DOGGG TO BARRK.
LIBIE INBOUND HOLDING COURSE INTENTIONALLY NOT ALIGNED WITH PROCEDURAL TRACK TO LIBIE.

(15) Additional Flight Data:
DME/DME ASSESSMENT: SAT (RNP 2.0).
REFERENCE MAGNETIC VARIATION: KDEN 8E/2015.

QUALITY 2 CHECKED

(BLOCK 2 DETAILED ARRIVAL ROUTE DESCRIPTION FOR CHARTING.)

FROM OVER ANCHOR ON TRACK 218.17/9.74 TO CROSS LANDR AT/ABOVE 17000 AND AT/BELOW FL220 AND AT 250 KTS (MEA 16000/MOCA 7200), THEN ON TRACK 211.89/10.28 TO FIISH (MEA 9000/MOCA 7100), THEN ON TRACK 211.92/6.25 TO CROSS FLAIL AT/ABOVE 15000 AND AT/BELOW 17000 (MEA 9000/MOCA 7100), THEN ON TRACK 211.86/14.00 TO CROSS FULLA AT/ABOVE 13000 AND AT/BELOW 15000 AND AT 250 KTS (MEA 9000/MOCA 7400), THEN ON TRACK 211.64/5.15 TO FFFAT (MEA 9000/MOCA 7600), THEN ON TRACK 172.74/6.11 TO CROSS DOGGG AT 11000 AND AT 210 KTS (MEA 8200), THEN ON TRACK 172.71/8.91 TO DONTT (MEA 8200), THEN ON TRACK 172.75/9.63 TO BARRK (MEA 8200).

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	

(16) Continuation:

(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
SAUGI	SAUGI.ANCHR3	SAUGI	BRRUK	240.04/19.64	FL210			AT/ABOVE 17000
			DORSL	239.33/41.68	FL210			
			LIBIE	238.77/28.13	16000	7000		
			ANCHR	218.26/11.35	16000	7200		
			SAUGI					
			YANKI	250.42/105.35	FL230			
			CAAST	240.06/19.88	FL230			
			CTFSH	239.99/35.03	FL210			
			BRRUK	240.04/19.64	FL210			
			DORSL	239.33/41.68	FL210			

Continued on (16)Continuation: 2 of 2

(17) Changes:
1. CHANGED CAAST HOLDING PATTERN TURNS TO LT.
2. DELETED WAYPOINTS CODDD, CRWLR, LMPRY, LYUNN, LBSTR , FLYYS AND KNOTT.
3. CHANGED SUSHE ALTITUDE RESTRICTION FROM AT/ABOVE FL300 AND AT BELOW FL320 TO AT/ABOVE FL300.
4. DELETED SPEED RESTRICTION AT SUSHE AND ANCHR.
5. DELETED ALTITUDE AND SPEED RESTRICTION AT LIBIE.
6. CHANGED ALTITUDE FROM AT/ABOVE FL210 TO AT/ABOVE 17000 AT ANCHR.
7. CHANGED ALTITUDE RESTRICTION AT LANDR FROM AT/ABOVE FL200 AND AT/BELOW FL220 TO AT/ABOVE 17000 AND AT/BELOW FL220.

Continued on block 16...

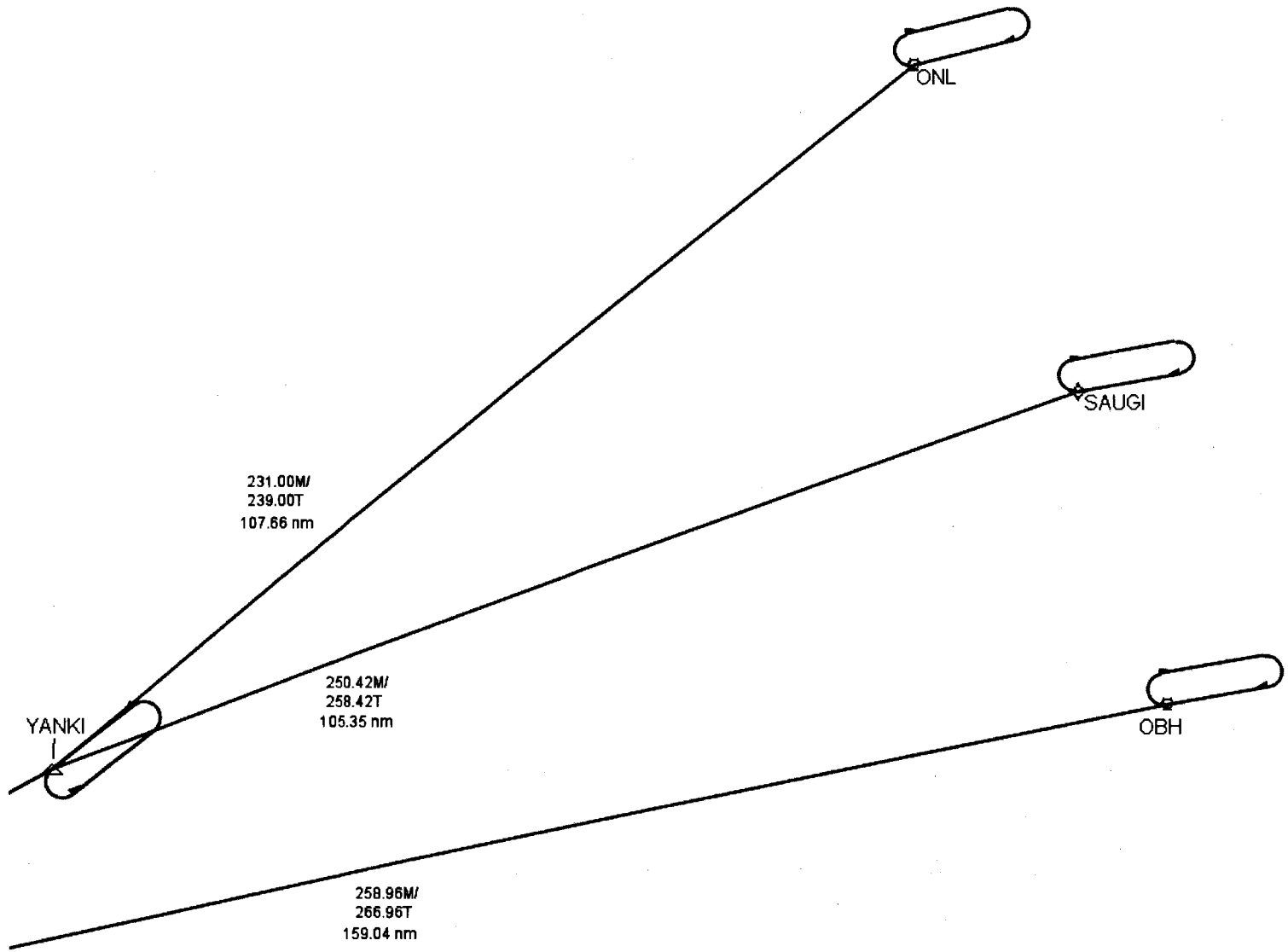
(18) Reasons for Changes: 1-12. ATC AND PILOT REQUEST.
13. ANCHR WP MOVED 1514.14 FT SW FOR CRITERIA FAILURE.
14. REMOVED WAYPOINTS FLYYS AND KNOTT.
15. REMOVED WAYPOINTS LYUNN AND LBSTR.
16. RE-EVALUATED APPLICATION OF MOUNTAIN ROC REDUCTION.
17. PER 7100.9E.

		Name (Typed and Signed), Title and Organization	DATE
Developed By		MELISSA BOOTH, AIRSPACE AND PROCEDURES MANAGER, DENVER ARTCC, PHONE 303-651-4530	12-11-13
Approved	**NFPG**	LARRY STROUT, MANAGER, AJV-354	
	Reg. ATD	CLARK DESING, MGR, WSC, OSG	

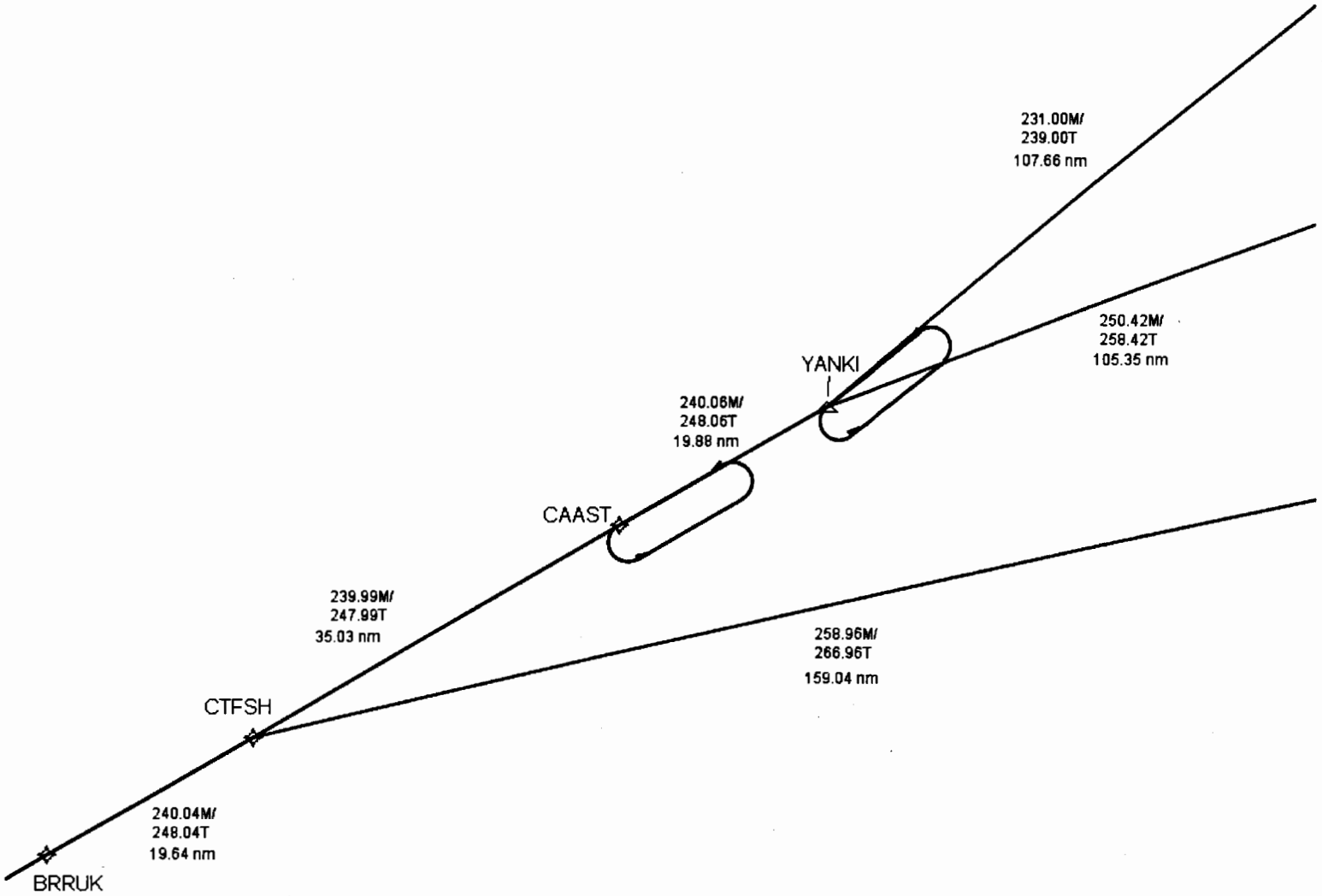
(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	3

QUALITY CHECKED

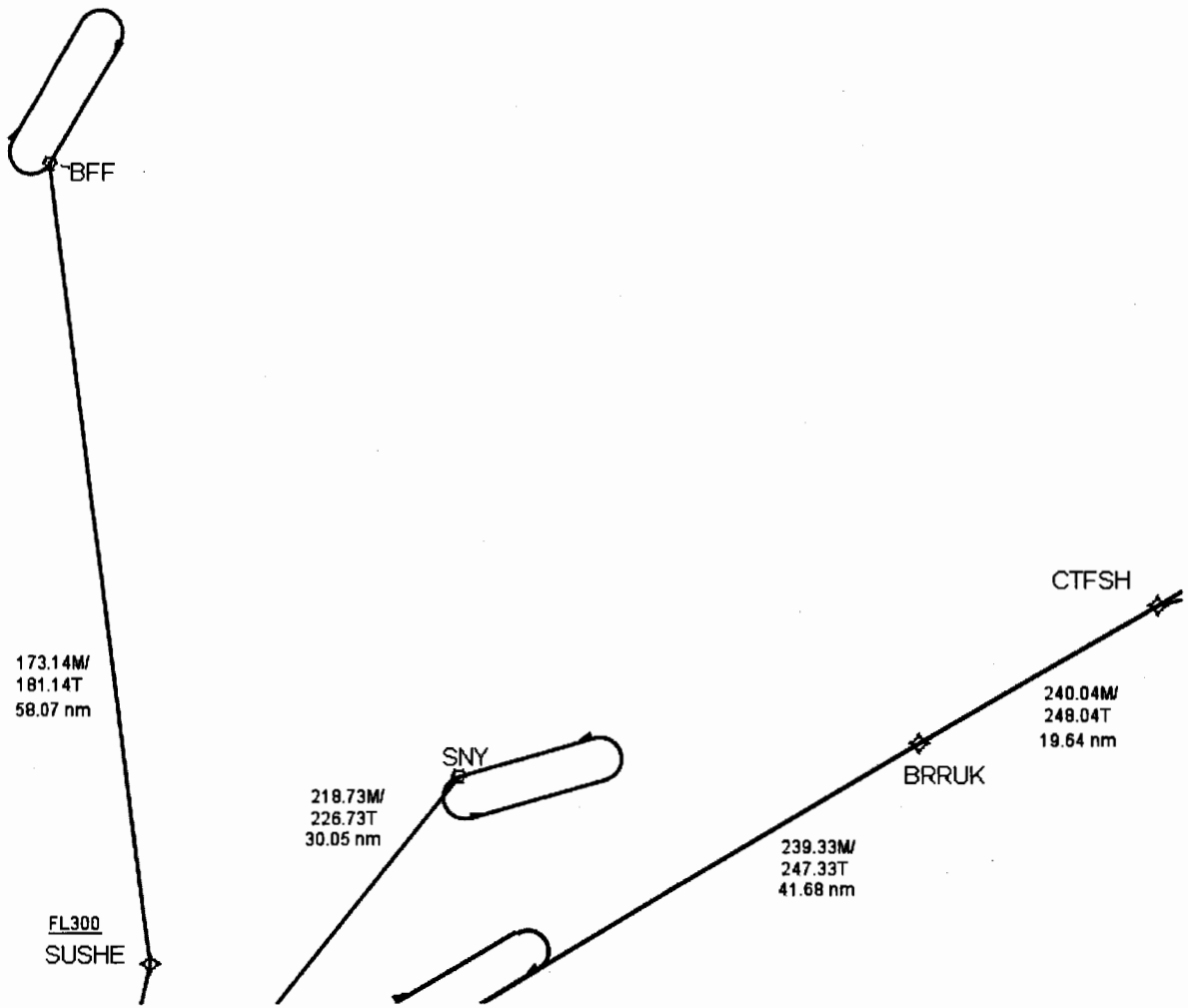
(19) Graphic Depiction (1 of 6)



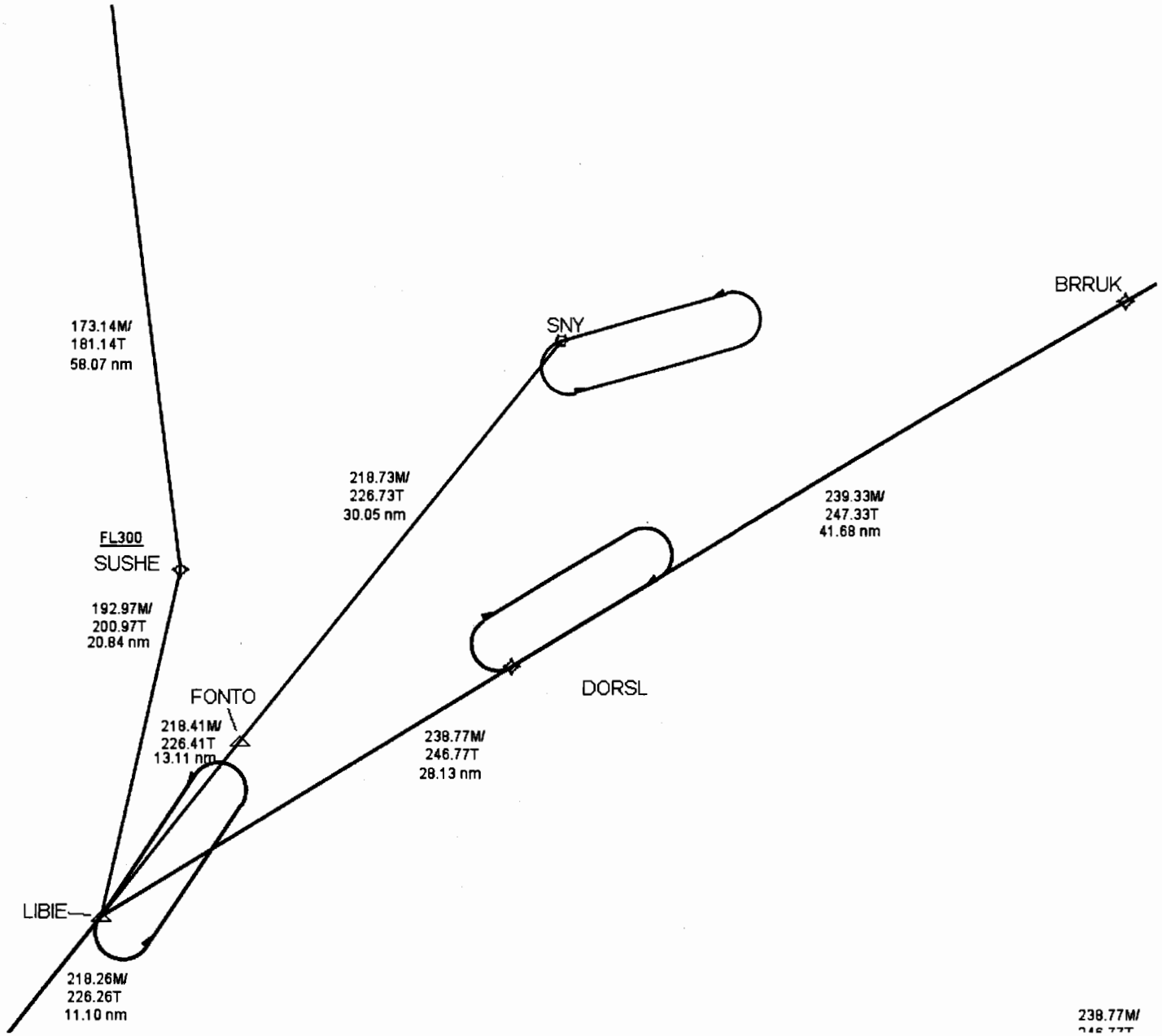
(19) Graphic Depiction (2 of 6)



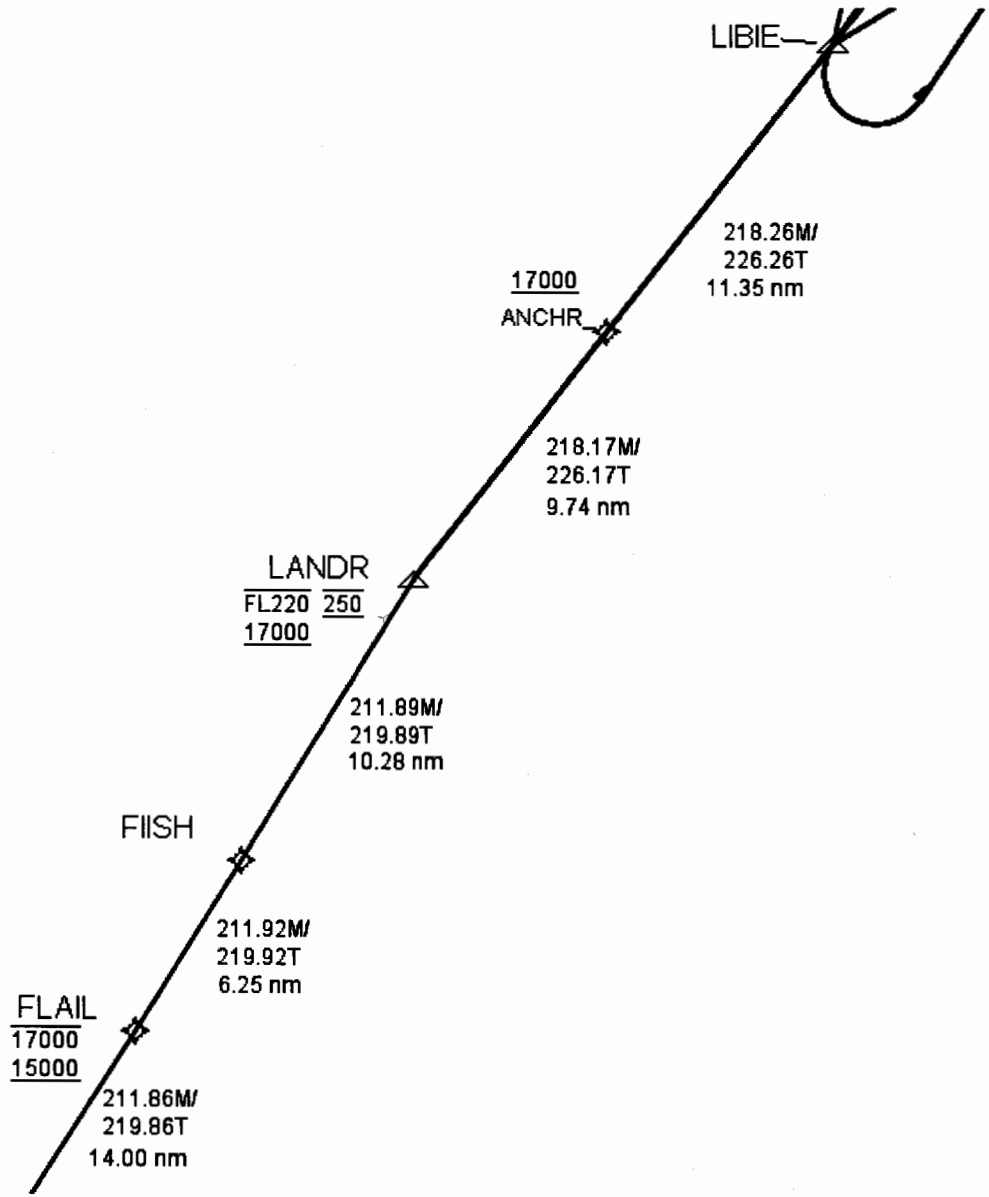
(19) Graphic Depiction (3 of 6)



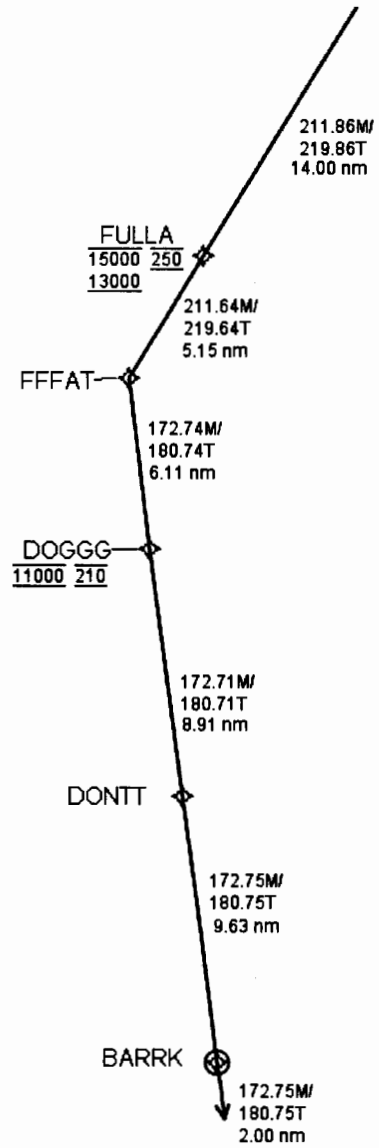
(19) Graphic Depiction (4 of 6)



(19) Graphic Depiction (5 of 6)



(19) Graphic Depiction (6 of 6)



(16) Continuation (2 of 2):

(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
SIDNEY	SNY .ANCHR3	SNY VORTAC	LIBIE	238.77/28.13	16000	7000		
			ANCHR	218.26/11.35	16000	7200		AT/ABOVE 17000
			SNY VORTAC					
			FONTO	218.73/30.05	FL210			
			LIBIE	218.41/13.11	16000	7000		
			ANCHR	218.26/11.35	16000	7200		AT/ABOVE 17000

(4) Fixes and/or Holding Patterns:
CHART HOLDING AT ONL VORTAC (HOLD E, RT, 256.00 INBOUND, 10 NM LEGS). CHART HOLDING AT SAUGI (HOLD E, RT, 260.00 INBOUND, 10 NM LEGS). CHART HOLDING AT OBH VORTAC (HOLD E, RT, 260.00 INBOUND, 10 NM LEGS). CHART HOLDING AT YANKI (HOLD NE, LT, 231.00 INBOUND, 10 NM LEGS).

(17) Changes:

8. CHANGED ALTITUDE RESTRICTION AT FULLA FROM AT/ABOVE 13000 AND AT/BELOW 14000 TO AT/ABOVE 13000 AND AT/BELOW 15000.
9. DELETED ALTITUDE AND SPEED RESTRICTION AT FONTO.
10. ADD HOLDING AT YANKI (HOLD NE, LT, 231.00 INBOUND, 10 NM LEGS).
11. ADD NOTE FOR OBH TRANSITION "OBH TRANSITION ATC ASSIGNED ONLY".
12. ADD NOTE FOR TRANSITION FROM MACH NUMBER TO IAS.
13. MOVED ANCHR WP 0.25 NM SW.
14. RAISED MEA TO FONTO FROM 16000 TO FL210.
15. LOWERED MEA IMMEDIATELY AFTER DORSL FROM FL210 TO 16000.
16. RAISED MEA FROM DOGGG TO BARKK FROM 8000 TO 8200.
17. ADDED MOCA DATA FOR MEA SEGMENTS BELOW 18000.

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	3

QUALITY CHECKED

FAA Form 7100-4 (7/02) // Generated by: TARGETS: 5.0.2; WGS84: 1.1.8; Common RS: 1.2.2; RNAV STAR RS: 1.3.2

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									
BFF VORTAC	415338.99N / 1032855.31W	Y		IF					BFF.ANCHR3
SUSHE	405533.35N / 1033026.65W	Y	FB	TF	181.14	58.07	AT/ABOVE FL300		
LIBIE	403604.47N / 1034014.27W	Y	FB	TF	200.97	20.84			
ANCHR	402812.80N / 1035058.98W	Y	FB	TF	226.26	11.35	AT/ABOVE 17000		
En Route Transition									
OBH VORTAC	412232.65N / 0982112.94W	Y		IF					OBH.ANCHR3
CTFSH	411054.39N / 1015135.98W	Y	FB	TF	266.96	159.04			
BRRUK	410330.99N / 1021540.36W	Y	FB	TF	248.04	19.64			
DORSL	404715.55N / 1030618.40W	Y	FB	TF	247.33	41.68			
LIBIE	403604.47N / 1034014.27W	Y	FB	TF	246.77	28.13			
ANCHR	402812.80N / 1035058.98W	Y	FB	TF	226.26	11.35	AT/ABOVE 17000		
En Route Transition									
ONL VORTAC	422813.80N / 0984112.94W	Y		IF					ONL.ANCHR3

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	

QUALITY CHECKED

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
YANKI	413139.04N / 1004405.00W	Y	FB	TF	239.00	107.66			
CAAST	412410.46N / 1010835.53W	Y	FB	TF	248.06	19.88			
CTFSH	411054.39N / 1015135.98W	Y	FB	TF	247.99	35.03			
BRRUK	410330.99N / 1021540.36W	Y	FB	TF	248.04	19.64			
DORSL	404715.55N / 1030618.40W	Y	FB	TF	247.33	41.68			
LIBIE	403604.47N / 1034014.27W	Y	FB	TF	246.77	28.13			
ANCHR	402812.80N / 1035058.98W	Y	FB	TF	226.26	11.35	AT/ABOVE 17000		
En Route Transition									
SAUGI	415411.08N / 0982639.76W	Y		IF					SAUGI.ANCHR3
YANKI	413139.04N / 1004405.00W	Y	FB	TF	258.42	105.35			
CAAST	412410.46N / 1010835.53W	Y	FB	TF	248.06	19.88			
CTFSH	411054.39N / 1015135.98W	Y	FB	TF	247.99	35.03			
BRRUK	410330.99N / 1021540.36W	Y	FB	TF	248.04	19.64			
DORSL	404715.55N / 1030618.40W	Y	FB	TF	247.33	41.68			
LIBIE	403604.47N / 1034014.27W	Y	FB	TF	246.77	28.13			

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	

QUALITY CHECKED

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
ANCHR	402812.80N / 1035058.98W	Y	FB	TF	226.26	11.35	AT/ABOVE 17000		
En Route Transition									
SNY VORTAC	410548.00N / 1025858.80W	Y		IF					SNY.ANCHR3
FONTO	404507.98N / 1032746.00W	Y	FB	TF	226.73	30.05			
LIBIE	403604.47N / 1034014.27W	Y	FB	TF	226.41	13.11			
ANCHR	402812.80N / 1035058.98W	Y	FB	TF	226.26	11.35	AT/ABOVE 17000		
Common Route									
ANCHR	402812.80N / 1035058.98W	Y		IF			AT/ABOVE 17000		ANCHR.ANCHR3
LANDR	402127.26N / 1040010.67W	Y	FB	TF	226.17	09.74	AT/ABOVE 17000 AT/BELOW FL 220	AT 250K	
FIISH	401333.12N / 1040847.30W	Y	FB	TF	219.89	10.28			
FLAIL	400845.26N / 1041400.98W	Y	FB	TF	219.92	06.25	AT/ABOVE 15000 AT/BELOW 17000		
FULLA	395759.39N / 1042541.20W	Y	FB	TF	219.86	14.00	AT/ABOVE 13000 AT/BELOW 15000	AT 250K	
FFFAT	395401.30N / 1042957.17W	Y	FB	TF	219.64	05.15			
DOGGG	394754.32N / 1043003.31W	Y	FB	TF	180.74	06.11	AT 11000	AT 210K	

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	3

QUALITY CHECKED

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
DONTT	393859.05N / 1043011.90W	Y	FB	TF	180.71	08.91			
BARRK	392921.00N / 1043021.69W	Y	FO	TF	180.75	09.63			
KDEN				FM	180.75				

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	

FAA Form 7100-3 (9/02)

QUALITY 3 CHECKED

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        BFF   K3011260VTH  N41533899W103285531    N41533899W103285531E0130041692     NARSCOTTSBLUFF
        SUSAD        DEN   K2011790VDHW N39484505W104393866    N39484505W104393866E0080054522     NARDENVER
        SUSAD        OBH   K3011480VTH  N41223265W098211294    N41223265W098211294E0070020102     NARWOLBACH
        SUSAD        ONL   K3011390VTHA N42281380W098411294    N42281380W098411294E0100020282     NARO'NEILL
        SUSAD        SNY   K3011590VTHA N41054800W102585880    N41054800W102585880E0130043002     NARSIDNEY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ANCHR K20    W     N40281280W103505898                    E0080     NAR           ANCHR
        SUSAEAENRT   BRRUK K30    W     N41033099W102154036                    E0071     NAR           BRRUK
        SUSAEAENRT   CAAST K30    W   H N41241046W101083553                    E0064     NAR           CAAST
        SUSAEAENRT   CTFSH K30    W     N41105439W101513598                    E0069     NAR           CTFSH
        SUSAEAENRT   DORSL K20    W   B N40471555W103061840                    E0076     NAR           DORSL
        SUSAEAENRT   FFFAT K20    W     N39540130W104295717                    E0083     NAR           FFFAT
        SUSAEAENRT   FONTO K20    C   L N40450798W103274600                    E0078     NAR           FONTO
        SUSAEAENRT   LANDR K20    C   H N40212726W104001067                    E0081     NAR           LANDR
        SUSAEAENRT   LIBIE K20    C   L N40360447W103401427                    E0079     NAR           LIBIE
        SUSAEAENRT   SAUGI K30    W   H N41541108W098263976                    E0046     NAR           SAUGI
        SUSAEAENRT   SUSHE K20    W     N40553335W103302665                    E0078     NAR           SUSHE
        SUSAEAENRT   YANKI K30    C   H N41313904W100440500                    E0062     NAR           YANKI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDENK2ADEN     0     160YHN39514200W104402340E008005434         1800018000C    MNAR    DENVER INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
TRM WP  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDENK2CBARRK K20    W     N39292100W104302169                    E0083     NAR           BARRK
        SUSAP KDENK2CDOGGG K20    W     N39475432W104300331                    E0083     NAR           DOGGG
        SUSAP KDENK2CDONTT K20    W     N39385905W104301190                    E0083     NAR           DONTT
        SUSAP KDENK2CFIISH K20    W     N40133312W104084730                    E0081     NAR           FIISH
        SUSAP KDENK2CFLAIL K20    W     N40084526W104140098                    E0082     NAR           FLAIL
        SUSAP KDENK2CFULLA K20    W     N39575939W104254120                    E0083     NAR           FULLA
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QUALITY CHECKED 2

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDENK2EANCHR34BFF   010BFF  K3D 0V  H    IF                                                  18000
        SUSAP KDENK2EANCHR34BFF   020SUSHEK2EA0E    010TF                                   + FL300
        SUSAP KDENK2EANCHR34BFF   030LIBIEK2EA0E  H 010TF
        SUSAP KDENK2EANCHR34BFF   040ANCHRK2EA0EE    010TF                                   + 17000
        SUSAP KDENK2EANCHR34OBH   010OBH  K3D 0V  H    IF                                                  18000
        SUSAP KDENK2EANCHR34OBH   020CTFSHK3EA0E    010TF
        SUSAP KDENK2EANCHR34OBH   030BRRUKK3EA0E    010TF
        SUSAP KDENK2EANCHR34OBH   040DORSLK2EA0E  H 010TF
        SUSAP KDENK2EANCHR34OBH   050LIBIEK2EA0E  H 010TF
        SUSAP KDENK2EANCHR34OBH   060ANCHRK2EA0EE    010TF                                   + 17000
        SUSAP KDENK2EANCHR34ONL   010ONL  K3D 0V  H    IF                                                  18000
        SUSAP KDENK2EANCHR34ONL   020YANKIK3EA0E  H 010TF
        SUSAP KDENK2EANCHR34ONL   030CAASTK3EA0E  H 010TF
        SUSAP KDENK2EANCHR34ONL   040CTFSHK3EA0E    010TF
        SUSAP KDENK2EANCHR34ONL   050BRRUKK3EA0E    010TF
        SUSAP KDENK2EANCHR34ONL   060DORSLK2EA0E  H 010TF
        SUSAP KDENK2EANCHR34ONL   070LIBIEK2EA0E  H 010TF
        SUSAP KDENK2EANCHR34ONL   080ANCHRK2EA0EE    010TF                                   + 17000
        SUSAP KDENK2EANCHR34SAUGI 010SAUGIK3EA0E  H    IF                                                  18000
        SUSAP KDENK2EANCHR34SAUGI 020YANKIK3EA0E  H 010TF
        SUSAP KDENK2EANCHR34SAUGI 030CAASTK3EA0E  H 010TF
        SUSAP KDENK2EANCHR34SAUGI 040CTFSHK3EA0E    010TF
        SUSAP KDENK2EANCHR34SAUGI 050BRRUKK3EA0E    010TF
        SUSAP KDENK2EANCHR34SAUGI 060DORSLK2EA0E  H 010TF
        SUSAP KDENK2EANCHR34SAUGI 070LIBIEK2EA0E  H 010TF
        SUSAP KDENK2EANCHR34SAUGI 080ANCHRK2EA0EE    010TF                                   + 17000
        SUSAP KDENK2EANCHR34SNY   010SNY  K3D 0V  H    IF                                                  18000
        SUSAP KDENK2EANCHR34SNY   020FONTOK2EA0E    010TF
        SUSAP KDENK2EANCHR34SNY   030LIBIEK2EA0E  H 010TF
        SUSAP KDENK2EANCHR34SNY   040ANCHRK2EA0EE    010TF                                   + 17000
        SUSAP KDENK2EANCHR35ALL   010ANCHRK2EA0E       IF                                   + 17000     18000
        SUSAP KDENK2EANCHR35ALL   020LANDRK2EA0E    010TF                                   B FL22017000     250
        SUSAP KDENK2EANCHR35ALL   030FIISHK2PC0E    010TF
        SUSAP KDENK2EANCHR35ALL   040FLAILK2PC0E    010TF                                   B 1700015000
        SUSAP KDENK2EANCHR35ALL   050FULLAK2PC0E    010TF                                   B 1500013000     250
        SUSAP KDENK2EANCHR35ALL   060FFFATK2EA0E    010TF
        SUSAP KDENK2EANCHR35ALL   070DOGGGK2PC0E    010TF                                     11000          210
        SUSAP KDENK2EANCHR35ALL   080DONTTK2PC0E    010TF
        SUSAP KDENK2EANCHR35ALL   090BARRKK2PC0EY   010TF
        SUSAP KDENK2EANCHR35ALL   100BARRKK2PC0EE      FM DEN K2      151702071728    D
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QUALITY 2 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	

FAA Form 7100-3 (9/02)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDENK2GRW07    0120000825 N39502740W104433596+0000    +1612805350000055150IIDZG1
        SUSAP KDENK2GRW08    0120000825 N39523920W104394403-0499    +1613905354000052150IIFUI1
        SUSAP KDENK2GRW16L   0120001725 N39534933W104411250+0000    +1612505350000060150IILTT1
        SUSAP KDENK2GRW16R   0160001725 N39534487W104414590+0000    +1604005322000055200IIDQQ1
        SUSAP KDENK2GRW17L   0120001725 N39515383W104382870+0300    +1605905328000048150IIBXP1
        SUSAP KDENK2GRW17R   0120001725 N39514048W104393656+0500    +1621005378000066150IIACX1
        SUSAP KDENK2GRW25    0120002625 N39502637W104410217+0000    +1614205355000055150IIERP1
        SUSAP KDENK2GRW26    0120002626 N39523808W104371015+0499    +1595505294000055150IIJOY1
        SUSAP KDENK2GRW34L   0160003525 N39510679W104414772+0000    +1605605327000055200IIDXU3
        SUSAP KDENK2GRW34R   0120003525 N39515077W104411388+0000    +1613705354000059150IIOUF3
        SUSAP KDENK2GRW35L   0120003525 N39494193W104393798-0500    +1638105434000057150IIAQD3
        SUSAP KDENK2GRW35R   0120003525 N39495527W104383016-0300    +1618705370000059150IIDPP3
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QUALITY 2 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	

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
	BFF	BFF	010		IF		FB					
	BFF	SUSHE	020		TF		FB	1.0			AA FL300	
	BFF	LIBIE	030		TF		FB	1.0				
	BFF	ANCHR	040		TF		FB	1.0			AA 17000	
	OBH	OBH	010		IF		FB					
	OBH	CTFSH	020		TF		FB	1.0				
	OBH	BRRUK	030		TF		FB	1.0				
	OBH	DORSL	040		TF		FB	1.0				
	OBH	LIBIE	050		TF		FB	1.0				
	OBH	ANCHR	060		TF		FB	1.0			AA 17000	
	ONL	ONL	010		IF		FB					
	ONL	YANKI	020		TF		FB	1.0				
	ONL	CAAST	030		TF		FB	1.0				
	ONL	CTFSH	040		TF		FB	1.0				
	ONL	BRRUK	050		TF		FB	1.0				
	ONL	DORSL	060		TF		FB	1.0				
	ONL	LIBIE	070		TF		FB	1.0				
	ONL	ANCHR	080		TF		FB	1.0			AA 17000	
	SAUGI	SAUGI	010		IF		FB					
	SAUGI	YANKI	020		TF		FB	1.0				
	SAUGI	CAAST	030		TF		FB	1.0				
	SAUGI	CTFSH	040		TF		FB	1.0				
	SAUGI	BRRUK	050		TF		FB	1.0				
	SAUGI	DORSL	060		TF		FB	1.0				
	SAUGI	LIBIE	070		TF		FB	1.0				
	SAUGI	ANCHR	080		TF		FB	1.0			AA 17000	
	SNY	SNY	010		IF		FB					
	SNY	FONTO	020		TF		FB	1.0				
	SNY	LIBIE	030		TF		FB	1.0				
	SNY	ANCHR	040		TF		FB	1.0			AA 17000	
	ALL	ANCHR	010		IF		FB				AA 17000	
	ALL	LANDR	020		TF		FB	1.0			BT FL22017000	AT 250
	ALL	FIISH	030		TF		FB	1.0				
	ALL	FLAIL	040		TF		FB	1.0			BT 1700015000	
	ALL	FULLA	050		TF		FB	1.0			BT 1500013000	AT 250
	ALL	FFFAT	060		TF		FB	1.0				
	ALL	DOGGG	070		TF		FB	1.0			AT 11000	AT 250
	ALL	DONTT	080		TF		FB	1.0				

QUALITY CHECKED 2

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ALL	BARRK	090	TF	FO	1.0	
ALL	BARRK	100	FM	FB		172.8()

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
BFF	N415338.99	W1032855.31	N4153.650	W10328.922
DEN	N394845.05	W1043938.66	N3948.751	W10439.644
OBH	N412232.65	W0982112.94	N4122.544	W09821.216
ONL	N422813.80	W0984112.94	N4228.230	W09841.216
SNY	N410548.00	W1025858.80	N4105.800	W10258.980
ANCHR	N402812.80	W1035058.98	N4028.213	W10350.983
BRRUK	N410330.99	W1021540.36	N4103.517	W10215.673
CAAST	N412410.46	W1010835.53	N4124.174	W10108.592
CTFSH	N411054.39	W1015135.98	N4110.907	W10151.600
DORSL	N404715.55	W1030618.40	N4047.259	W10306.307
FFFAT	N395401.30	W1042957.17	N3954.022	W10429.953
FONTO	N404507.98	W1032746.00	N4045.133	W10327.767
LANDR	N402127.26	W1040010.67	N4021.454	W10400.178
LIBIE	N403604.47	W1034014.27	N4036.075	W10340.238
SAUGI	N415411.08	W0982639.76	N4154.185	W09826.663
SUSHE	N405533.35	W1033026.65	N4055.556	W10330.444
YANKI	N413139.04	W1004405.00	N4131.651	W10044.083
BARRK	N392921.00	W1043021.69	N3929.350	W10430.362
DOGGG	N394754.32	W1043003.31	N3947.905	W10430.055
DONTT	N393859.05	W1043011.90	N3938.984	W10430.198
FIISH	N401333.12	W1040847.30	N4013.552	W10408.788
FLAIL	N400845.26	W1041400.98	N4008.754	W10414.016
FULLA	N395759.39	W1042541.20	N3957.990	W10425.687
RW07	N395027.40	W1044335.96	N3950.457	W10443.599
RW08	N395239.20	W1043944.03	N3952.653	W10439.734
RW16L	N395349.33	W1044112.50	N3953.822	W10441.208
RW16R	N395344.87	W1044145.90	N3953.748	W10441.765
RW17L	N395153.83	W1043828.70	N3951.897	W10438.478
RW17R	N395140.48	W1043936.56	N3951.675	W10439.609
RW25	N395026.37	W1044102.17	N3950.440	W10441.036
RW26	N395238.08	W1043710.15	N3952.635	W10437.169
RW34L	N395106.79	W1044147.72	N3951.113	W10441.795
RW34R	N395150.77	W1044113.88	N3951.846	W10441.231
RW35L	N394941.93	W1043937.98	N3949.699	W10439.633
RW35R	N394955.27	W1043830.16	N3949.921	W10438.503

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH

QUALITY 2 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	

FAA Form 7100-3 (9/02)

RW07	05350	55
RW08	05354	52
RW16L	05350	60
RW16R	05322	55
RW17L	05328	48
RW17R	05378	66
RW25	05355	55
RW26	05294	55
RW34L	05327	55
RW34R	05354	59
RW35L	05434	57
RW35R	05370	59

QUALITY 2 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
ANCHR RNAV	THREE	ANCHR.ANCHR3	TWO	27 JUN 2013	

Name:	Bob Graham
Project Name:	Denver
Output File:	KDEN ANCHR3 STAR BFF BARRK 20140703_1013
Procedure Name:	ANCHR3
Software:	RNAV-Pro™
Version:	2.37
Date/Time:	7/3/2014 10:14:44 AM
Input File:	KDEN ANCHR STAR BFF BARRK 20140123_1255.txt
Databases:	AVNIS Date: 6/26/2014
	CIFP Date: 6/26/2014
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	**Please Check Flyability Results**
DME/DME	✔	**No Critical DMEs Exist**
Radars	?	
Comms	?	
TERPS	?	

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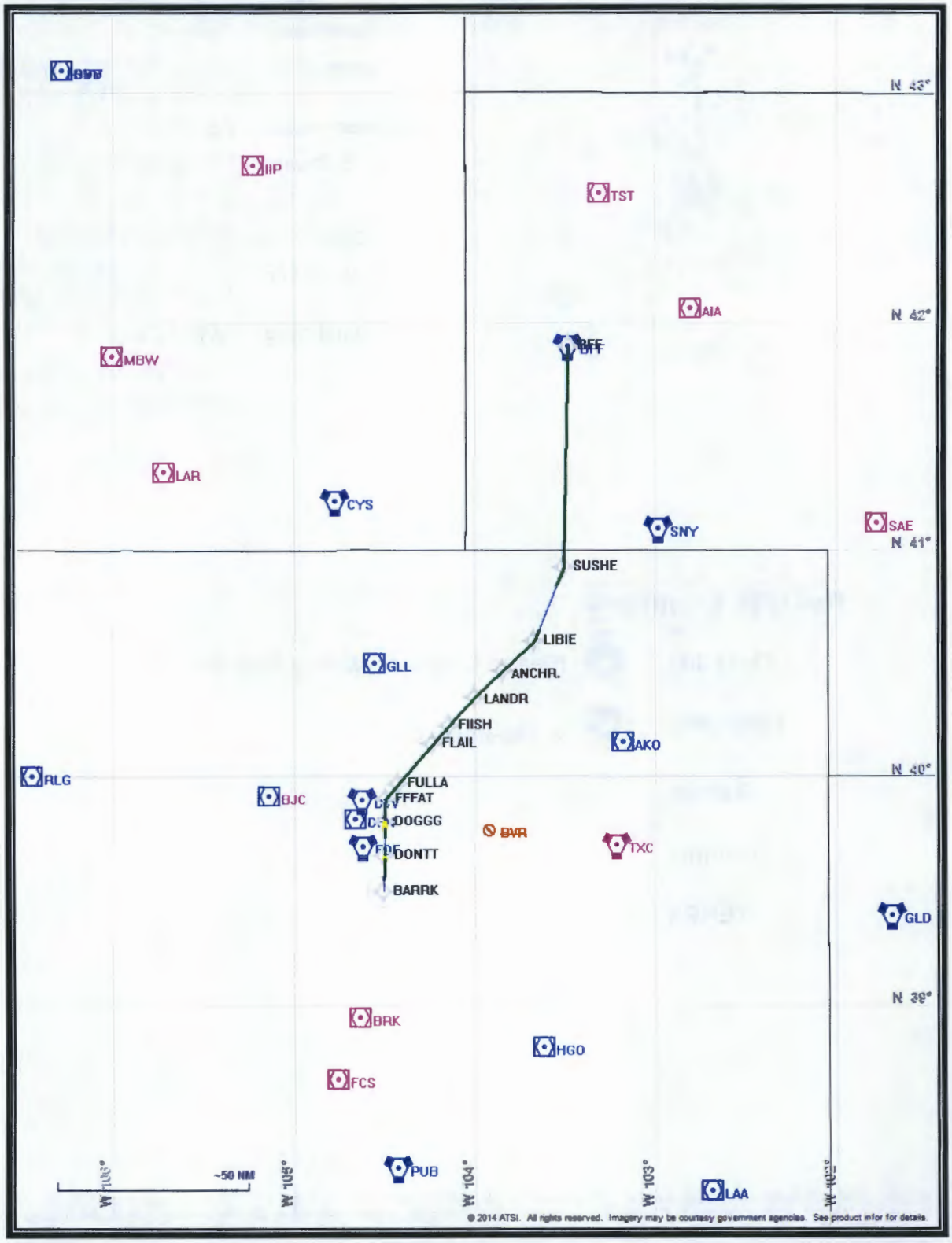
BVV
IIP
TST
AIA
MBW
BFF
LAR
CYS
SNY
SAE
SUSHE
LIBIE
GLL
ANCHR
LANDR
FIISH
FLAIL
AKO
RLG
FULLA
BJC
FFFAT
DOGGG
BVR
TXC
DONTT
BARRK
GLD
BRK
HGO
FCS
PUB
LAA
N 43°
N 42°
N 41°
N 40°
N 39°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
BFF	WP	N 41° 53' 38.99" W 103° 28' 55.31"	21000.0	Step	280.0	Fly By	TF
SUSHE	WP	N 40° 55' 33.35" W 103° 30' 26.65"	21000.0	Step	280.0	Fly By	TF
LIBIE	WP	N 40° 36' 4.47" W 103° 40' 14.27"	16000.0	Step	280.0	Fly By	TF
ANCHR.	WP	N 40° 28' 12.80" W 103° 50' 58.98"	16000.0	Step	250.0	Fly By	TF
LANDR	WP	N 40° 21' 27.26" W 104° 0' 10.67"	16000.0	Step	250.0	Fly By	TF
FIISH	WP	N 40° 13' 33.12" W 104° 8' 47.30"	9000.0	Step	250.0	Fly By	TF
FLAIL	WP	N 40° 8' 45.26" W 104° 14' 0.98"	9000.0	Step	250.0	Fly By	TF
FULLA	WP	N 39° 57' 59.39" W 104° 25' 41.20"	9000.0	Step	250.0	Fly By	TF
FFFAT	WP	N 39° 54' 1.30" W 104° 29' 57.17"	9000.0	Step	250.0	Fly By	TF
DOGGG	WP	N 39° 47' 54.32" W 104° 30' 3.31"	8200.0	Step	210.0	Fly By	TF
DONTT	WP	N 39° 38' 59.05" W 104° 30' 11.90"	8200.0	Step	210.0	Fly By	TF
BARRK	WP	N 39° 29' 21.00" W 104° 30' 21.69"	8200.0	Step	210.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **Selected Airport:** KDEN **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Table: **200.0 Kts** up to **11000.0 Ft.** **240.0 Kts** up to **18000.0 Ft.** **260.0 Kts** up to **24000.0 Ft.** **340.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
Aircraft ALTITUDE at Fly-By WP FIISH too high.	

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 , 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: 10

Maximum DME Error: 0.743 NM.

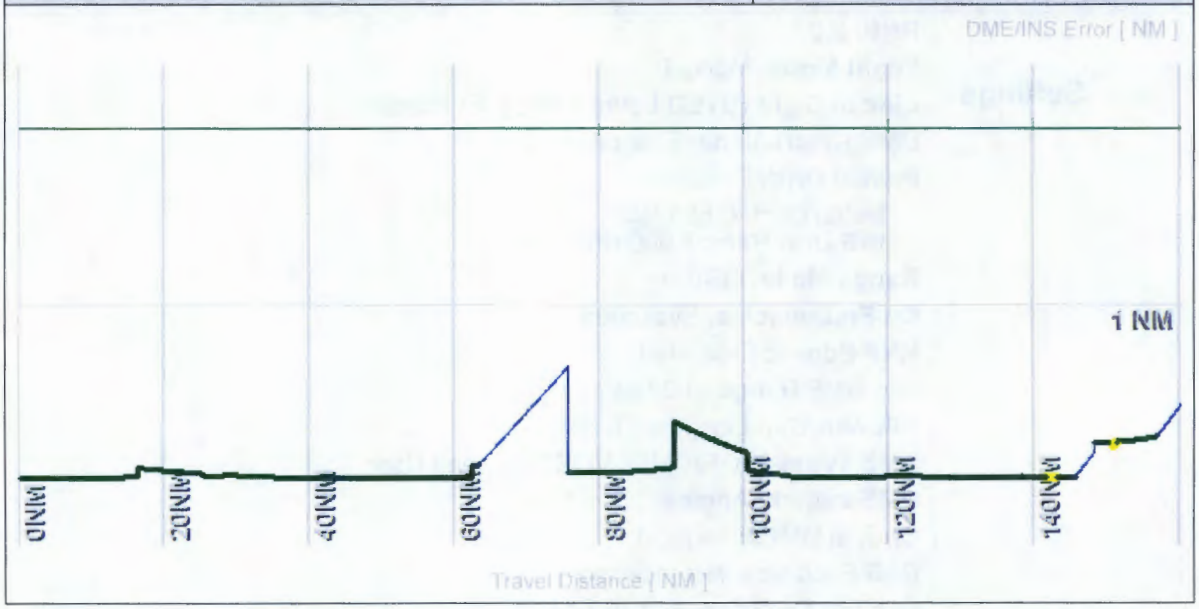
No Critical DMEs were found.

Available DMEs: AIA, CYS, GLL, SNY, BFF, AKO, DVV, HCT, DEN, FQF, BJC

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	AIA	N 42° 3' 20.27" W 102° 48' 15.99" E 11	L	Database	NO	0.743	Enabled	5.8 %	6.4 %
2	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H	Database	NO	0.737	Enabled	19.8 %	22.0 %
3	CYS	N 41° 12' 39.48" W 104° 46' 22.49" E 13	H	Database	NO	0.743	Enabled	18.0 %	20.1 %
4	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	Database	NO	1.200	Enabled	24.1 %	26.1 %
5	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	Database	NO	1.553	Enabled	35.3 %	33.1 %
6	BFF	N 41° 53' 38.99" W 103° 28' 55.31" E 13	H	Database	NO	0.719	Enabled	9.3 %	10.4 %
7	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H + ESV	User	NO	0.994	Enabled	30.4 %	28.7 %
8	DVV	N 39° 53' 40.88" W 104° 37' 27.61" E 8	H	Database	NO	0.911	Enabled	23.9 %	21.0 %
9	DEN	N 39° 48' 45.05" W 104° 39' 38.66" E 8	H	Database	NO	0.743	Enabled	4.6 %	4.5 %
10	FQF	N 39° 41' 24.50" W 104° 37' 15.50" E 11	H	Database	NO	0.743	Enabled	5.5 %	4.8 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	AIA	SNY	CYS	GLL	BFF	AKO
10.5	AKO	SNY	CYS	GLL	BFF	DVV
57.3	AKO	SNY	DVV	GLL	BFF	CYS
67.3	AKO	SNY	BJC			
78.1	AKO	GLL	BJC			
90.2	AKO	GLL	BJC			
99.6	DVV	GLL	BJC	DEN	FQF	
110.2	DVV	GLL	FQF	DEN		
116.5	DVV	GLL	FQF	DEN	BJC	
130.5	DVV	GLL	FQF	DEN	BJC	
135.0	DVV	GLL	FQF	DEN	BJC	
141.7	DVV	BJC	FQF	DEN		
150.6	DVV	BJC	FQF	DEN		

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 40° 50' 37.09" W 103° 32' 55.78"	N 40° 39' 5.44" W 103° 38' 43.61"	12.3
	VOR: SNY	Available from N 40° 50' 37.09" W 103° 32' 55.78" to N 40° 39' 24.14" W 103° 38' 34.24"	
	VOR: AKO	Available from N 40° 44' 23.26" W 103° 36' 4.08" to N 40° 39' 5.44" W 103° 38' 43.61"	
2	N 39° 43' 54.68" W 104° 30' 7.11"	N 39° 41' 24.57" W 104° 30' 9.54"	2.5
	VOR: BJC	Available from N 39° 43' 54.68" W 104° 30' 7.11" to N 39° 41' 24.57" W 104° 30' 9.54"	
	VOR: DEN	Available from N 39° 43' 54.68" W 104° 30' 7.11" to N 39° 41' 24.57" W 104° 30' 9.54"	
	VOR: DVV	Available from N 39° 43' 54.68" W 104° 30' 7.11" to N 39° 41' 24.57" W 104° 30' 9.54"	
	VOR: FQF	Available from N 39° 43' 54.68" W 104° 30' 7.11" to N 39° 41' 24.57" W 104° 30' 9.54"	
3	N 39° 32' 40.85" W 104° 30' 18.30"	N 39° 29' 24.03" W 104° 30' 21.64"	3.3
	VOR: BJC	Available from N 39° 32' 40.85" W 104° 30' 18.30" to N 39° 29' 24.03" W 104° 30' 21.64"	
	VOR: BRK	Available from N 39° 32' 40.85" W 104° 30' 18.30" to N 39° 29' 24.03" W 104° 30' 21.64"	
	VOR: DEN	Available from N 39° 32' 40.85" W 104° 30' 18.30" to N 39° 29' 24.03" W 104° 30' 21.64"	
	VOR: DVV	Available from N 39° 32' 40.85" W 104° 30' 18.30" to N 39° 29' 24.03" W 104° 30' 21.64"	
	VOR: FQF	Available from N 39° 32' 40.85" W 104° 30' 18.30" to N 39° 29' 24.03" W 104° 30' 21.64"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
	Restriction:	Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
	ESV:	Bearing [True]: 48.0° to 81.0° Bearing [Mag]: 37.0° to 70.0°			Arc Distance: Out to 95.0 NM Altitude: 13200.0 to 22000.0 Ft.		
2	BVR	N 39° 45' 57.00" W 103° 55' 40.96" E 10	H	5252.1	113.50	BVR	Disabled

DMEs Relative to Waypoints

Return To Summary

Waypoint Before	Waypoint After	DME List
BFF	SUSHE	AIA AKO BFF BJC CYS DEN DVV FQF GLL HCT SNY
SUSHE	LIBIE	AKO BFF BJC CYS DEN DVV FQF GLL HCT SNY
LIBIE	ANCHR.	AKO BJC GLL
ANCHR.	LANDR	AKO BJC GLL
LANDR	FIISH	BJC DEN DVV FQF GLL
FIISH	FLAIL	DEN DVV FQF GLL
FLAIL	FULLA	BJC DEN DVV FQF GLL
FULLA	FFFAT	BJC DEN DVV FQF GLL
FFFAT	DOGGG	BJC DEN DVV FQF GLL
DOGGG	DONTT	BJC DEN DVV FQF
DONTT	BARRK	BJC DEN DVV FQF

Name:	Bob Graham
Project Name:	DENVER
Output File:	KDEN ANCHR3 STAR SAUGI ANCHR 20140703_1119
Procedure Name:	ANCHR3
Software:	RNAV-Pro™
Version:	2.37
Date/Time:	7/3/2014 11:20:30 AM
Input File:	KDEN ANCHR STAR SAUGI BARRK 20140123_1459.txt
Databases:	AVNIS Date: 6/26/2014
	CIFP Date: 6/26/2014
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔
DME/DME	✔ No Critical DMEs Exist
Radars	?
Comms	?
TERPS	?

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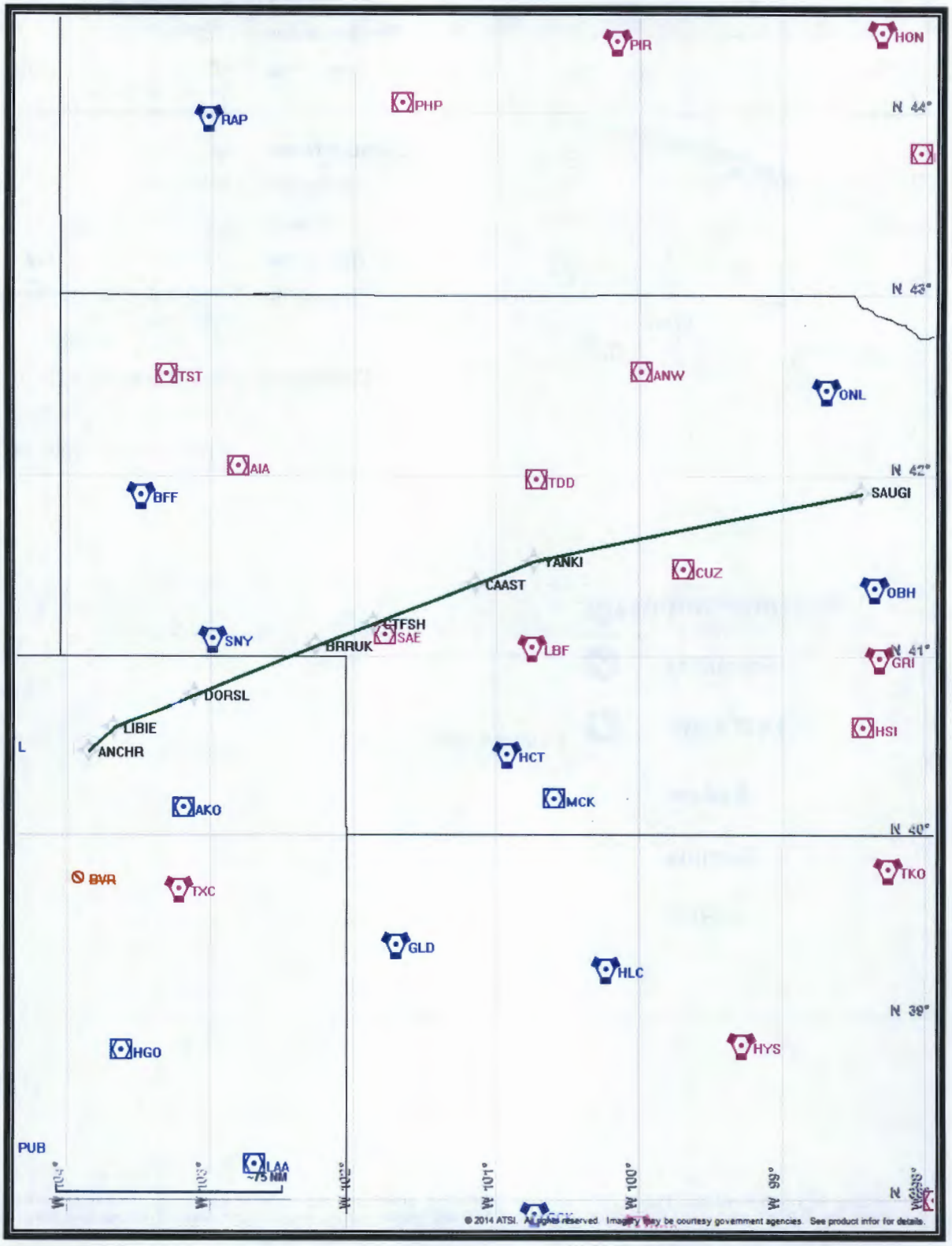
PIR
HON
RAP
PHP
N 44°
N 43°
TST
ANW
ONL
AIA
TDD
N 42°
BFF
SAUGI
YANKI
CUZ
CAAST
OBH
CTFSH
SAE
SNY
BRRUK
LBF
N 41°
GRI
DORSL
LIBIE
ANCHR
HSI
HCT
MCK
AKO
N 40°
BVR
TXC
TKO
GLD
HLC
N 39°
HGO
HYS
PUB
LAA
~75 NM
W 104°
W 103°
W 102°
W 101°
W 100°
W 99°
W 98°
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
SAUGI	WP	N 41° 54' 11.08" W 98° 26' 39.76"	23000.0	Step	280.0	Fly By	TF
YANKI	WP	N 41° 31' 39.04" W 100° 44' 5.00"	23000.0	Step	280.0	Fly By	TF
CAAST	WP	N 41° 24' 10.46" W 101° 8' 35.53"	23000.0	Step	280.0	Fly By	TF
CTFSH	WP	N 41° 10' 54.39" W 101° 51' 35.98"	21000.0	Step	280.0	Fly By	TF
BRRUK	WP	N 41° 3' 30.99" W 102° 15' 40.36"	21000.0	Step	280.0	Fly By	TF
DORSL	WP	N 40° 47' 15.55" W 103° 6' 18.40"	21000.0	Step	280.0	Fly By	TF
LIBIE	WP	N 40° 36' 4.47" W 103° 40' 14.27"	16000.0	Step	280.0	Fly By	TF
ANCHR	WP	N 40° 28' 12.80" W 103° 50' 58.98"	16000.0	Step	280.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **Selected Airport:** KDEN **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Table: **200.0 Kts** up to **11000.0 Ft.** **240.0 Kts** up to **18000.0 Ft.** **260.0 Kts** up to **24000.0 Ft.** **340.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
Entire track is fly-able	

DME/DME	Return To Summary
Settings:	**RNP:** 2.0 **Flight Mode:** Manual **Line of Sight (DTED Level 0 Max):** Evaluated **DME Restrictions:** Evaluated **Inertial Drift:** Enabled **Initial Drift:** 0.558 NM **INS Drift Rate:** 8.000 NM/Hour **Range Mode:** OSV **Co-Frequencies:** Evaluated **RNP Edges:** Evaluated **Min DME Range:** 3.0 NM **Allowed Gap Length:** 4.0 NM **DME Types:** VOR/DME , VORTAC , 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: 11

Maximum DME Error: 0.570 NM.

No Critical DMEs were found.

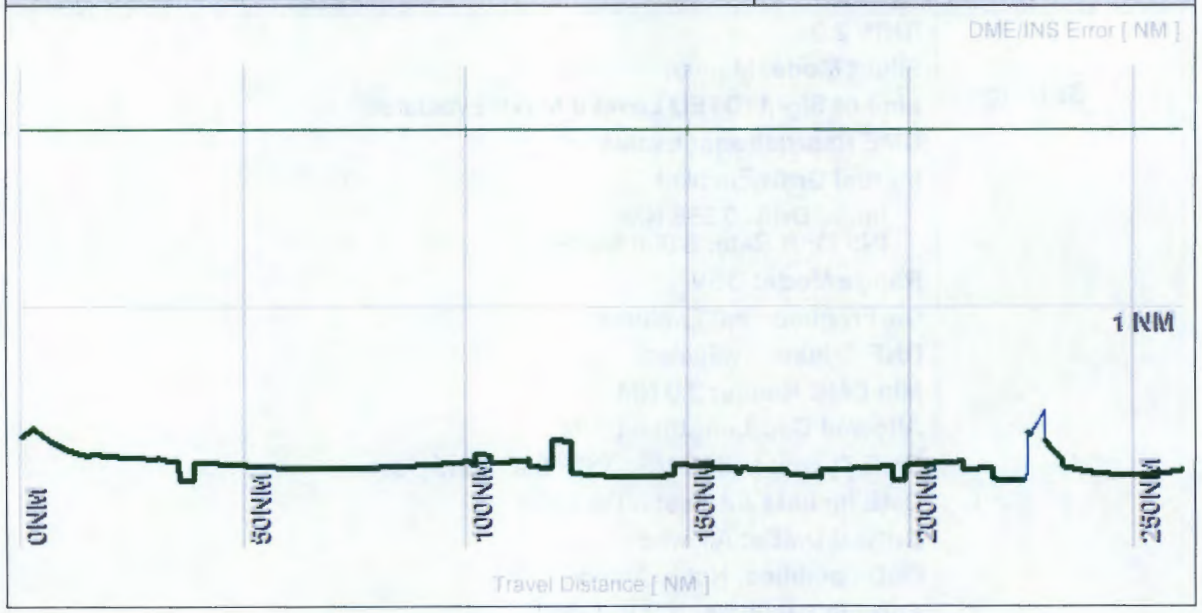
Available DMEs: LNK, OBH, ONL, HCT, MCK, SNY, BFF, AKO, GLD, LBF, GLL, CYS, DVV, DEN, FQF, BJC

Duplicate DMEs: OJC

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	LNK	N 40° 55' 25.66" W 96° 44' 31.24" E 9	H + ESV	User	NO	0.927	Enabled	6.4 %	6.5 %
2	OBH	N 41° 22' 32.65" W 98° 21' 12.94" E 7	H	Database	NO	1.441	Enabled	36.8 %	37.1 %
3	ONL	N 42° 28' 13.80" W 98° 41' 12.94" E 10	H	Database	NO	0.807	Enabled	6.6 %	6.7 %
4	HCT	N 40° 27' 14.62" W 100° 55' 24.86" E 11	H	Database	NO	0.570	Enabled	20.2 %	20.4 %
5	MCK	N 40° 12' 13.67" W 100° 35' 39.21" E 8	H	Database	NO	0.570	Enabled	49.3 %	49.9 %
6	BFF	N 41° 53' 38.99" W 103° 28' 55.31" E 13	H	Database	NO	0.498	Enabled	8.8 %	8.9 %
7	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H	Database	NO	0.828	Enabled	13.6 %	13.6 %
8	GLD	N 39° 23' 16.33" W 101° 41' 32.27" E 12	H	Database	NO	0.570	Enabled	1.6 %	1.7 %
9	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	Database	NO	1.576	Enabled	39.8 %	39.3 %
10	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	Database	NO	0.570	Enabled	2.6 %	2.7 %
11	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H + ESV	User	NO	0.609	Enabled	11.0 %	10.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	LNK	OBH	ONL	HCT	MCK	
71.4	SNY	OBH	ONL	HCT	MCK	
91.6	BFF	OBH	ONL	HCT	MCK	SNY
104.8	BFF	OBH	SNY	HCT	MCK	ONL
114.9	BFF	GLD	SNY	HCT	MCK	ONL
125.2	BFF	AKO	SNY	HCT	MCK	LBF
160.2	BFF	AKO	SNY	HCT	MCK	
179.8	BFF	AKO	SNY	HCT	MCK	GLL
210.0	BFF	AKO	GLL	HCT	MCK	DVV
221.6	BFF	AKO	GLL	SNY	DVV	DEN
231.7	SNY	AKO	BJC			
249.0	GLL	AKO	BJC			

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 40° 45' 44.57" W 103° 10' 56.77"	N 40° 45' 27.44" W 103° 11' 49.15"	0.7
	VOR: AKO	Available from N 40° 45' 44.57" W 103° 10' 56.77" to N 40° 45' 27.44" W 103° 11' 49.15"	
	VOR: SNY	Available from N 40° 45' 44.57" W 103° 10' 56.77" to N 40° 45' 27.44" W 103° 11' 49.15"	
2	N 40° 45' 6.89" W 103° 12' 52.01"	N 40° 43' 54.09" W 103° 16' 34.23"	3.1
	VOR: AKO	Available from N 40° 45' 6.89" W 103° 12' 52.01" to N 40° 43' 54.09" W 103° 16' 34.23"	
	VOR: SNY	Available from N 40° 45' 6.89" W 103° 12' 52.01" to N 40° 43' 54.09" W 103° 16' 34.23"	

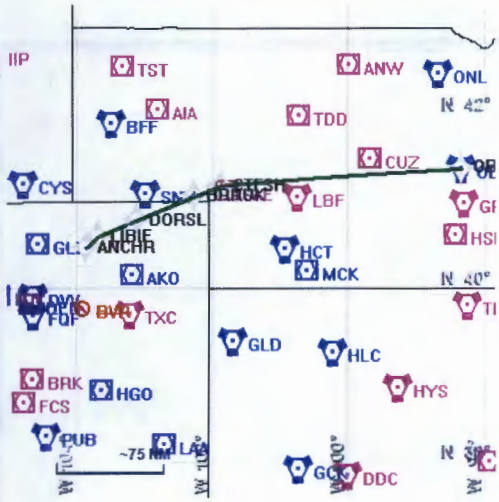
User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
	Restriction:	Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°		Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 48.0° to 81.0° Bearing [Mag]: 37.0° to 70.0°		Arc Distance: Out to 95.0 NM Altitude: 13200.0 to 22000.0 Ft.			
2	BVR	N 39° 45' 57.00" W 103° 55' 40.96" E 10	H	5252.1	113.50	BVR	Disabled
3	LNK	N 40° 55' 25.66" W 96° 44' 31.24" E 9	H	1369.7	116.10	LNK	Used
	ESV:	Bearing [True]: 296.0° to 315.0° Bearing [Mag]: 287.0° to 306.0°		Arc Distance: Out to 150.0 NM Altitude: 23000.0 to 45000.0 Ft.			

DMEs Relative to Waypoints

Return To Summary

Waypoint Before	Waypoint After	DME List
SAUGI	YANKI	BFF HCT LNK MCK OBH ONL SNY
YANKI	CAAST	AKO BFF GLD HCT MCK OBH ONL SNY
CAAST	CTFSH	AKO BFF GLD HCT LBF MCK OBH ONL SNY
CTFSH	BRRUK	AKO BFF HCT MCK SNY
BRRUK	DORSL	AKO BFF CYS DEN DVV FQF GLL HCT MCK SNY
DORSL	LIBIE	AKO BFF BJC CYS DEN DVV FQF GLL MCK SNY
LIBIE	ANCHR	AKO BJC GLL



Name:	Bob Graham
Project Name:	DENVER
Output File:	KDEN ANCHR3 STAR OBH ANCHR 20140703_1203
Procedure Name:	ANCHR3
Software:	RNAV-Pro™
Version:	2.37
Date/Time:	7/3/2014 12:03:51 PM
Input File:	KDEN ANCHR STAR OBH BARRK 20140123_1400.txt
Databases:	AVNIS Date: 6/26/2014
	CIFP Date: 6/26/2014
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	
DME/DME	✔	**No Critical DMEs Exist**
Radars	?	
Comms	?	
TERPS	?	

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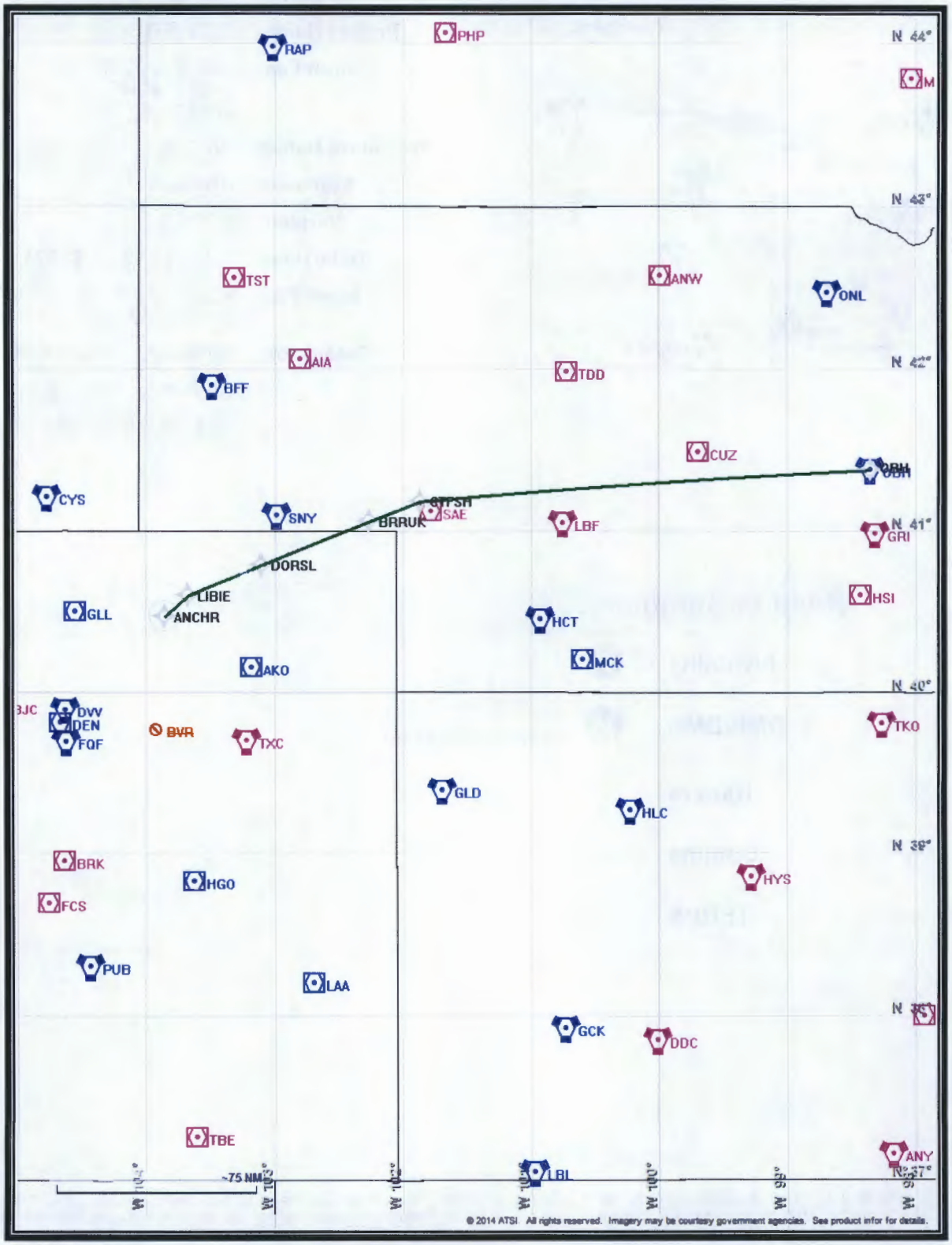
RAP
PHP
N 44°
M
N 43°
TST
ANW
ONL
AIA
TDD
N 42°
BFF
CUZ
OBH
CYS
SNY
BRRUK
SAE
LBF
N 41°
GRI
DORSL
LIBIE
ANCHR
HSI
GLL
HCT
MCK
AKO
N 40°
DVV
DEN
FQF
BVR
TXC
TKO
GLD
HLC
N 39°
BRK
HGO
HYS
FCS
PUB
LAA
GCK
DDC
TBE
ANY
LBL
~75 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
OBH	WP	N 41° 22' 32.65" W 98° 21' 12.94"	21000.0	Step	280.0	Fly By	TF
CTFSH	WP	N 41° 10' 54.39" W 101° 51' 35.98"	21000.0	Step	280.0	Fly By	TF
BRRUK	WP	N 41° 3' 30.99" W 102° 15' 40.36"	21000.0	Step	280.0	Fly By	TF
DORSL	WP	N 40° 47' 15.55" W 103° 6' 18.40"	21000.0	Step	280.0	Fly By	TF
LIBIE	WP	N 40° 36' 4.47" W 103° 40' 14.27"	16000.0	Step	280.0	Fly By	TF
ANCHR	WP	N 40° 28' 12.80" W 103° 50' 58.98"	16000.0	Step	280.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **Selected Airport:** KDEN **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Table: **200.0 Kts** up to **11000.0 Ft.** **240.0 Kts** up to **18000.0 Ft.** **260.0 Kts** up to **24000.0 Ft.** **340.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
Entire track is fly-able	

DME/DME	Return To Summary
Settings:	**RNP:** 2.0 **Flight Mode:** Manual **Line of Sight (DTED Level 0 Max):** Evaluated **DME Restrictions:** Evaluated **Inertial Drift:** Enabled **Initial Drift:** 0.558 NM **INS Drift Rate:** 8.000 NM/Hour **Range Mode:** OSV **Co-Frequencies:** Evaluated **RNP Edges:** Evaluated **Min DME Range:** 3.0 NM **Allowed Gap Length:** 4.0 NM **DME Types:** VOR/DME , VORTAC , 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: 13

Maximum DME Error: 0.570 NM.

No Critical DMEs were found.

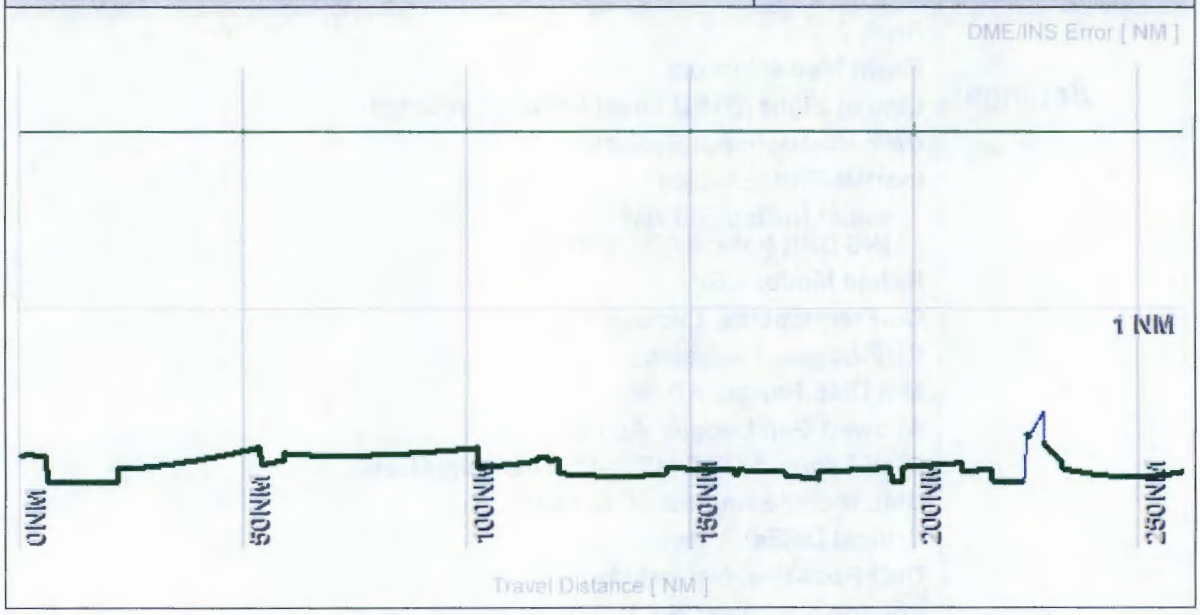
Available DMEs: LNK, MCK, ONL, OVR, PWE, HCT, OBH, HLC, LBF, SNY, BFF, AKO, GLL, CYS, DVV, DEN, FQF, BJC

Duplicate DMEs: OJC

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ONL	N 42° 28' 13.80" W 98° 41' 12.94" E 10	H	Database	NO	0.927	Enabled	23.3 %	23.5 %
2	OVR	N 41° 10' 1.80" W 95° 44' 12.67" E 8	H	Database	NO	0.570	Enabled	1.4 %	1.4 %
3	HCT	N 40° 27' 14.62" W 100° 55' 24.86" E 11	H	Database	NO	0.570	Enabled	14.3 %	14.5 %
4	OBH	N 41° 22' 32.65" W 98° 21' 12.94" E 7	H	Database	NO	0.711	Enabled	30.6 %	30.9 %
5	LNK	N 40° 55' 25.66" W 96° 44' 31.23" E 9	H	Database	NO	0.570	Enabled	12.1 %	12.3 %
6	HLC	N 39° 15' 31.49" W 100° 13' 33.06" E 8	H	Database	NO	0.570	Enabled	16.5 %	16.7 %
7	MCK	N 40° 12' 13.67" W 100° 35' 39.21" E 8	H	Database	NO	0.570	Enabled	25.1 %	25.4 %
8	LBF	N 41° 2' 55.34" W 100° 44' 49.55" E 11	L	Database	NO	0.570	Enabled	1.3 %	1.4 %
9	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H	Database	NO	0.565	Enabled	12.1 %	12.1 %
10	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	Database	NO	1.576	Enabled	40.4 %	39.9 %
11	BFF	N 41° 53' 38.99" W 103° 28' 55.31" E 13	H	Database	NO	0.445	Enabled	5.9 %	6.0 %
12	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	Database	NO	0.570	Enabled	2.6 %	2.7 %
13	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H + ESV	User	NO	0.609	Enabled	11.1 %	10.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ONL	OVR	OBH	HCT	MCK	LNK
18.1	ONL	LNK	OBH	HCT	MCK	
58.8	ONL	HLC	OBH	HCT	MCK	LBF
99.2	ONL	HLC	OBH	LBF	MCK	HCT
109.3	ONL	HCT	OBH	LBF	MCK	SNY
119.7	SNY	HCT	OBH	LBF	MCK	HLC
143.1	SNY	HCT	AKO	BFF	MCK	LBF
158.3	SNY	HCT	AKO	BFF	MCK	
178.6	SNY	HCT	AKO	BFF	MCK	GLL
208.8	GLL	HCT	AKO	BFF	MCK	DVV

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
220.4	GLL	SNY	AKO	BFF	DVV	DEN
230.4	BJC	SNY	AKO			
247.8	BJC	GLL	AKO			

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 40° 45' 44.52" W 103° 10' 56.92"	N 40° 45' 27.39" W 103° 11' 49.30"	0.7
	VOR: AKO	Available from N 40° 45' 44.52" W 103° 10' 56.92" to N 40° 45' 27.39" W 103° 11' 49.30"	
	VOR: SNY	Available from N 40° 45' 44.52" W 103° 10' 56.92" to N 40° 45' 27.39" W 103° 11' 49.30"	
2	N 40° 45' 6.84" W 103° 12' 52.16"	N 40° 43' 54.04" W 103° 16' 34.37"	3.1
	VOR: AKO	Available from N 40° 45' 6.84" W 103° 12' 52.16" to N 40° 43' 54.04" W 103° 16' 34.37"	
	VOR: SNY	Available from N 40° 45' 6.84" W 103° 12' 52.16" to N 40° 43' 54.04" W 103° 16' 34.37"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
	Restriction:	Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°		Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 48.0° to 81.0° Bearing [Mag]: 37.0° to 70.0°		Arc Distance: Out to 95.0 NM Altitude: 13200.0 to 22000.0 Ft.			
2	BVR	N 39° 45' 57.00" W 103° 55' 40.96" E 10	H	5252.1	113.50	BVR	Disabled

DMEs Relative to Waypoints

Return To Summary

Waypoint Before	Waypoint After	DME List
OBH	CTFSH	AKO BFF HCT HLC LBF LNK MCK OBH ONL OVR PWE SNY
CTFSH	BRRUK	AKO BFF HCT MCK SNY
BRRUK	DORSL	AKO BFF CYS DEN DVV FQF GLL HCT MCK SNY
DORSL	LIBIE	AKO BFF BJC CYS DEN DVV FQF GLL MCK SNY
LIBIE	ANCHR	AKO BJC GLL

Name:	Bob Graham
Project Name:	DENVER
Output File:	KDEN ANCHR3 STAR SNY ANCHR 20140703_1143
Procedure Name:	ANCHR3
Software:	RNAV-Pro™
Version:	2.37
Date/Time:	7/3/2014 11:43:48 AM
Input File:	KDEN ANCHR STAR SNY BARRK 20140123_1309.txt
Databases:	AVNIS Date: 6/26/2014
	CIFP Date: 6/26/2014
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	
DME/DME	✔	**No Critical DMEs Exist**
Radars	?	
Comms	?	
TERPS	?	

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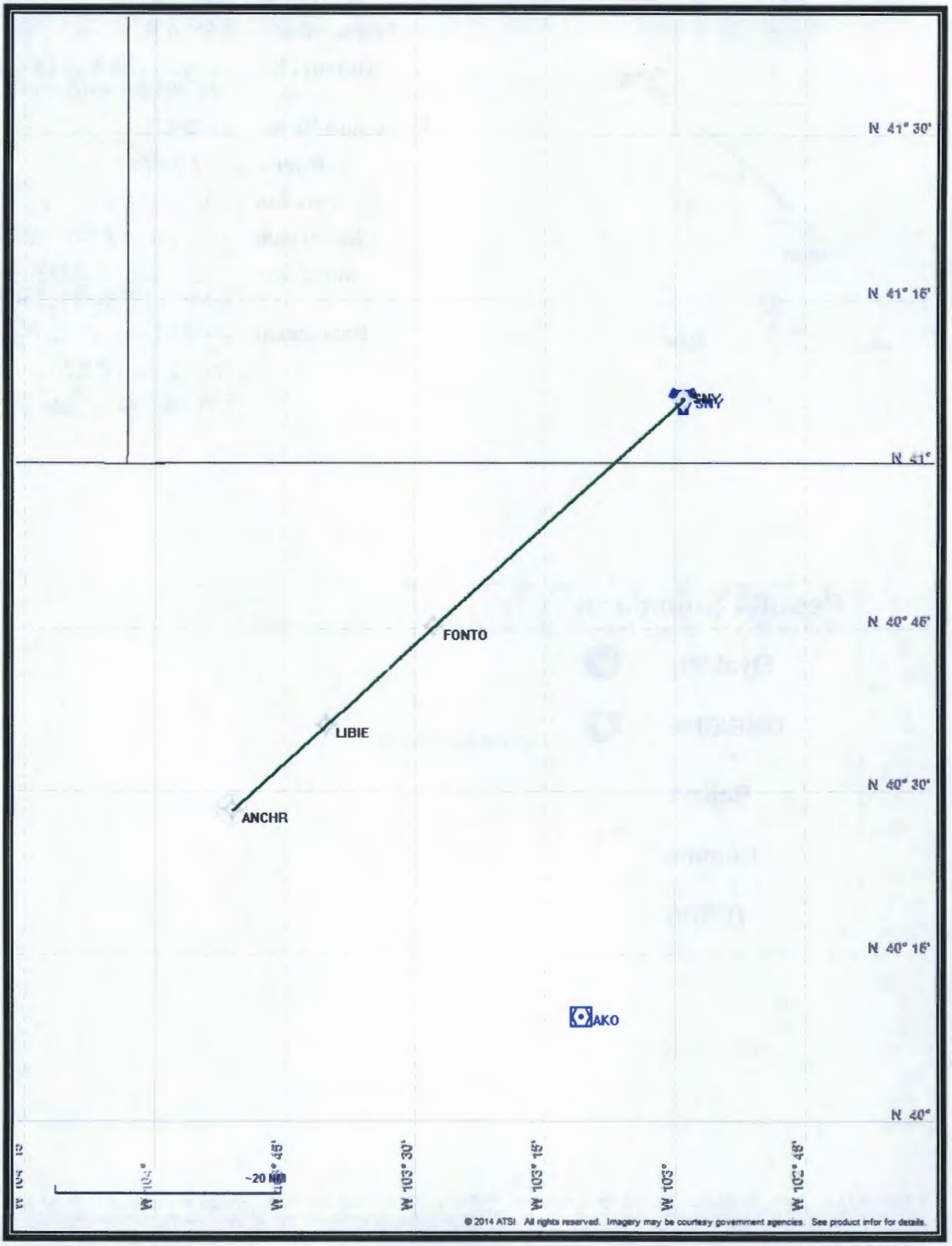
N 41° 30'
N 41° 16'
N 41°
N 40° 46'
N 40° 30'
N 40° 16'
N 40°
W 103° 45'
W 103° 30'
W 103° 15'
W 103°
W 102° 45'
~20 NM
SNY
FONTO
LIBIE
ANCHR
AKO
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
SNY	WP	N 41° 5' 48.00" W 102° 58' 58.80"	21000.0	Step	280.0	Fly By	TF
FONTO	WP	N 40° 45' 7.98" W 103° 27' 46.00"	21000.0	Step	280.0	Fly By	TF
LIBIE	WP	N 40° 36' 4.47" W 103° 40' 14.27"	16000.0	Step	280.0	Fly By	TF
ANCHR	WP	N 40° 28' 12.80" W 103° 50' 58.98"	16000.0	Step	280.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **Selected Airport:** KDEN **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Table: **200.0 Kts** up to **11000.0 Ft.** **240.0 Kts** up to **18000.0 Ft.** **260.0 Kts** up to **24000.0 Ft.** **340.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
Entire track is fly-able	

DME/DME	Return To Summary
Settings:	**RNP:** 2.0 **Flight Mode:** Manual **Line of Sight (DTED Level 0 Max):** Evaluated **DME Restrictions:** Evaluated **Inertial Drift:** Enabled **Initial Drift:** 0.558 NM **INS Drift Rate:** 8.000 NM/Hour **Range Mode:** OSV **Co-Frequencies:** Evaluated **RNP Edges:** Evaluated **Min DME Range:** 3.0 NM **Allowed Gap Length:** 4.0 NM **DME Types:** VOR/DME , VORTAC , 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: 0.395 NM.

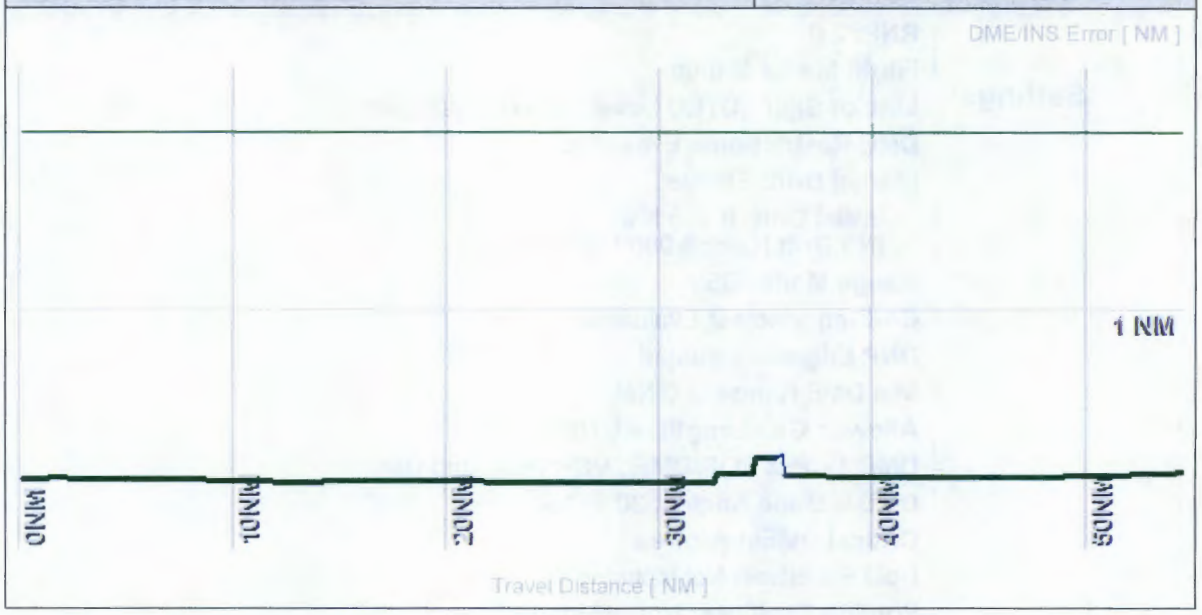
No Critical DMEs were found.

Available DMEs: AKO, BFF, CYS, GLL, HCT, MCK, DVV, SNY, DEN, FQF, BJC

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BFF	N 41° 53' 38.99" W 103° 28' 55.31" E 13	H	Database	NO	0.369	Enabled	24.4 %	24.9 %
2	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	Database	NO	0.395	Enabled	45.3 %	46.4 %
3	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	Database	NO	0.989	Enabled	74.8 %	74.3 %
4	CYS	N 41° 12' 39.48" W 104° 46' 22.49" E 13	H	Database	NO	0.395	Enabled	13.0 %	13.4 %
5	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H + ESV	User	NO	0.574	Enabled	40.9 %	39.4 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	BFF	GLL	AKO	CYS	HCT	DVV
30.0	BFF	GLL	AKO	BJC	SNY	DEN
43.1	BJC	GLL	AKO			

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 40° 41' 23.53" W 103° 32' 55.64"	N 40° 41' 8.58" W 103° 33' 16.25"	0.4
	VOR: AKO	Available from N 40° 41' 23.53" W 103° 32' 55.64" to N 40° 41' 8.58" W 103° 33' 16.25"	
	VOR: SNY	Available from N 40° 41' 23.53" W 103° 32' 55.64" to N 40° 41' 8.58" W 103° 33' 16.25"	

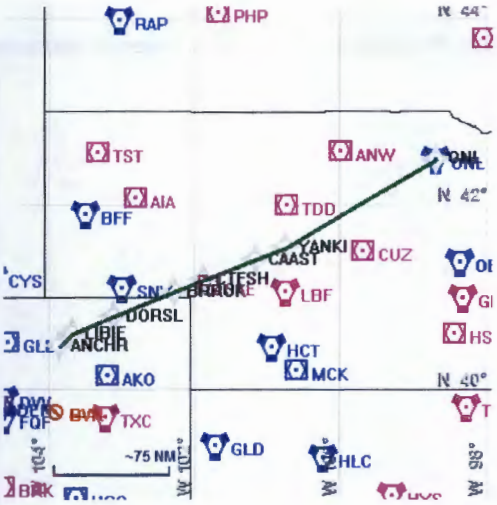
User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
	Restriction:	Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°		Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.			
	ESV:	Bearing [True]: 48.0° to 81.0° Bearing [Mag]: 37.0° to 70.0°		Arc Distance: Out to 95.0 NM Altitude: 13200.0 to 22000.0 Ft.			
2	BVR	N 39° 45' 57.00" W 103° 55' 40.96" E 10	H	5252.1	113.50	BVR	Disabled

DMEs Relative to Waypoints

Return To Summary

Waypoint Before	Waypoint After	DME List
SNY	FONTO	AKO BFF BJC CYS DEN DVV FQF GLL HCT MCK SNY
FONTO	LIBIE	AKO BFF BJC CYS DEN DVV FQF GLL SNY
LIBIE	ANCHR	AKO BJC GLL



Name:	Bob Graham
Project Name:	DENVER
Output File:	KDEN ANCHR3 STAR ONL ANCHR 20140703_1133
Procedure Name:	ANCHR3
Software:	RNAV-Pro™
Version:	2.37
Date/Time:	7/3/2014 11:34:24 AM
Input File:	KDEN ANCHR STAR ONL BARRK 20140123_1434.txt
Databases:	AVNIS Date: 6/26/2014
	CIFP Date: 6/26/2014
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	
DME/DME	✔	**No Critical DMEs Exist**
Radars	?	
Comms	?	
TERPS	?	

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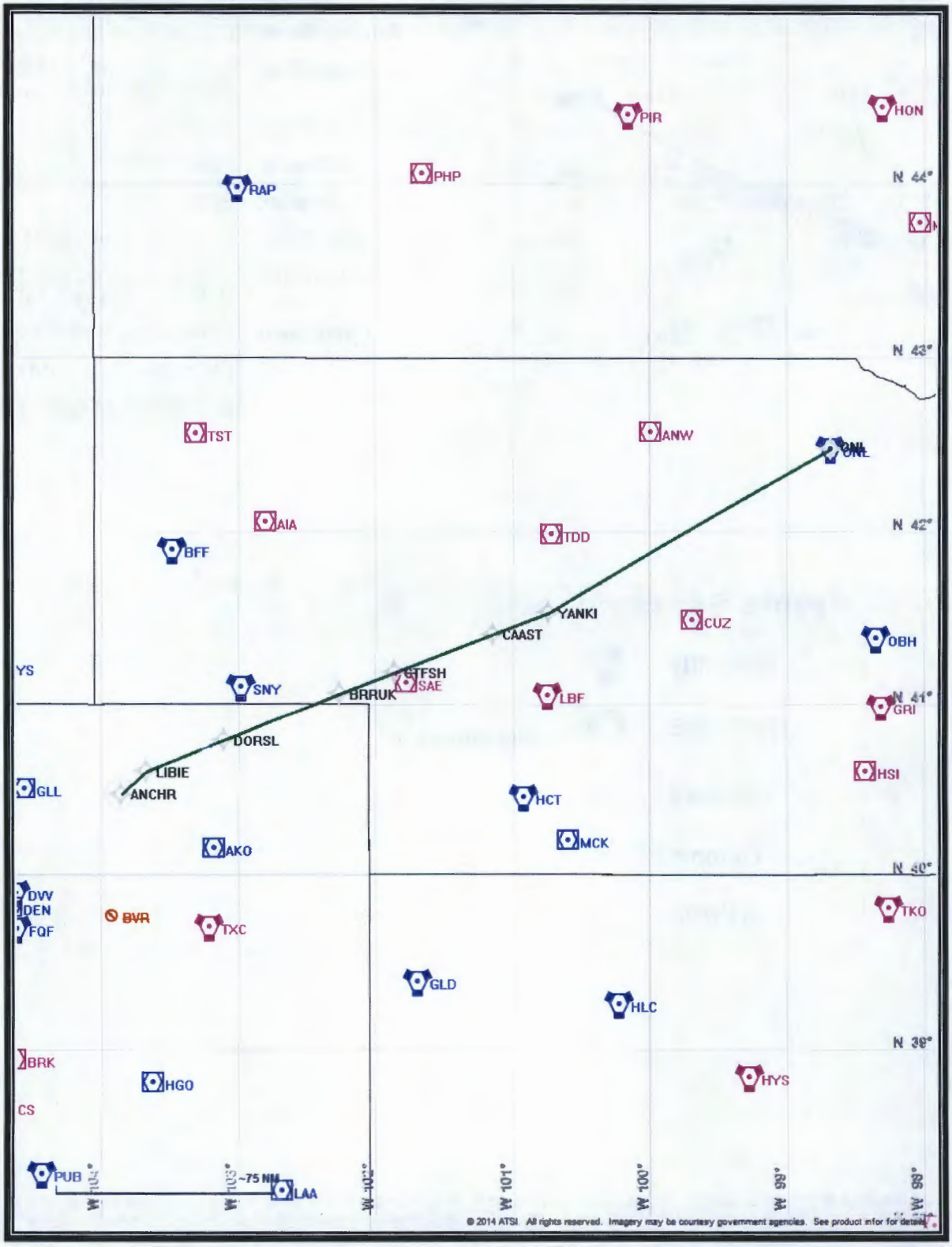
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CUZ
OBH
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SNY
GTFSH
SAE
BRRUK
LBF
N 41°
GRI
DORSL
LIBIE
ANCHR
GLL
HSI
HCT
MCK
AKO
N 40°
DVV
DEN
FQF
BVR
TXC
TKO
GLD
HLC
N 39°
BRK
HGO
HYS
CS
PUB
~75 NM
LAA
W 104°
W 103°
W 102°
W 101°
W 100°
W 99°
W 98°
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
ONL	WP	N 42° 28' 13.80" W 98° 41' 12.94"	23000.0	Step	280.0	Fly By	TF
YANKI	WP	N 41° 31' 39.04" W 100° 44' 5.00"	23000.0	Step	280.0	Fly By	TF
CAAST	WP	N 41° 24' 10.46" W 101° 8' 35.53"	23000.0	Step	280.0	Fly By	TF
CTFSH	WP	N 41° 10' 54.39" W 101° 51' 35.98"	21000.0	Step	280.0	Fly By	TF
BRRUK	WP	N 41° 3' 30.99" W 102° 15' 40.36"	21000.0	Step	280.0	Fly By	TF
DORSL	WP	N 40° 47' 15.55" W 103° 6' 18.40"	21000.0	Step	280.0	Fly By	TF
LIBIE	WP	N 40° 36' 4.47" W 103° 40' 14.27"	16000.0	Step	280.0	Fly By	TF
ANCHR	WP	N 40° 28' 12.80" W 103° 50' 58.98"	16000.0	Step	280.0	Fly Over	TF

Flyability	Return To Summary
Settings:	**Flight Type:** Arrival **Selected Airport:** KDEN **Aircraft Category:** Cat D **Climb Gradient:** *None assigned* **Ground Speeds:** Table: **200.0 Kts** up to **11000.0 Ft.** **240.0 Kts** up to **18000.0 Ft.** **260.0 Kts** up to **24000.0 Ft.** **340.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan
Entire track is fly-able	

DME/DME

Return To Summary

Settings:

RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , 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: 12

Maximum DME Error: 0.570 NM.

No Critical DMEs were found.

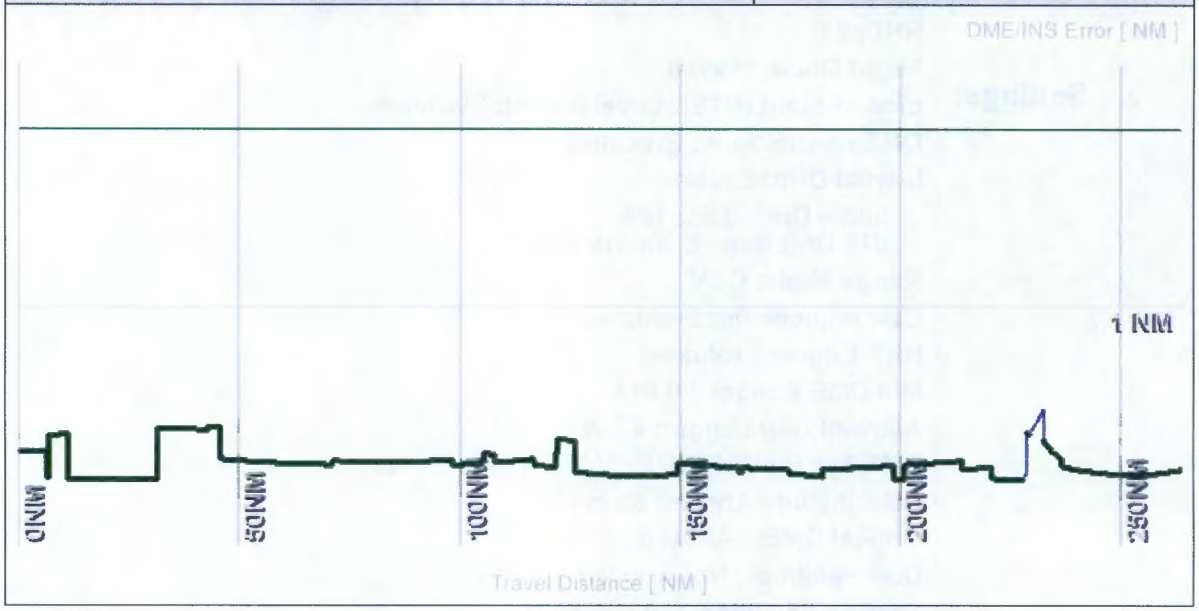
Available DMEs: FSD, OBH, ONL, LNK, HCT, MCK, SNY, BFF, AKO, GLD, LBF, GLL, CYS, DVV, DEN, FQF, BJC

Duplicate DMEs: OJC

Disabled DMEs: BVR

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FSD	N 43° 38' 58.17" W 96° 46' 52.05" E 9	H	Database	NO	0.749	Enabled	4.1 %	4.1 %
2	OBH	N 41° 22' 32.65" W 98° 21' 12.94" E 7	H	Database	NO	0.756	Enabled	35.7 %	36.1 %
3	ONL	N 42° 28' 13.80" W 98° 41' 12.94" E 10	H	Database	NO	0.737	Enabled	7.6 %	7.7 %
4	LNK	N 40° 55' 25.66" W 96° 44' 31.24" E 9	H + ESV	User	NO	0.570	Enabled	7.1 %	7.2 %
5	HCT	N 40° 27' 14.62" W 100° 55' 24.86" E 11	H	Database	NO	0.570	Enabled	32.4 %	32.8 %
6	MCK	N 40° 12' 13.67" W 100° 35' 39.21" E 8	H	Database	NO	0.570	Enabled	33.4 %	33.8 %
7	BFF	N 41° 53' 38.99" W 103° 28' 55.31" E 13	H	Database	NO	0.496	Enabled	8.5 %	8.6 %
8	SNY	N 41° 5' 48.00" W 102° 58' 58.80" E 13	H	Database	NO	0.828	Enabled	13.5 %	13.5 %
9	GLD	N 39° 23' 16.33" W 101° 41' 32.27" E 12	H	Database	NO	0.570	Enabled	1.6 %	1.6 %
10	AKO	N 40° 9' 19.99" W 103° 10' 46.96" E 13	H	Database	NO	1.576	Enabled	39.5 %	38.9 %
11	GLL	N 40° 30' 13.93" W 104° 33' 10.86" E 13	H	Database	NO	0.570	Enabled	2.6 %	2.6 %
12	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H + ESV	User	NO	0.609	Enabled	10.9 %	10.2 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	FSD	OBH	ONL	LNK		
31.0	HCT	OBH	ONL	LNK	MCK	
79.7	HCT	OBH	ONL	SNY	MCK	
89.8	HCT	OBH	ONL	BFF	MCK	SNY
107.1	HCT	OBH	SNY	BFF	MCK	ONL
117.2	HCT	GLD	SNY	BFF	MCK	ONL
127.5	HCT	AKO	SNY	BFF	MCK	LBF
162.5	HCT	AKO	SNY	BFF	MCK	
182.1	HCT	AKO	SNY	BFF	MCK	GLL
212.3	HCT	AKO	GLL	BFF	MCK	DVV
223.9	SNY	AKO	GLL	BFF	DVV	DEN

DME/DME (Continued.)

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Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
234.0	SNY	AKO	BJC			
251.3	GLL	AKO	BJC			

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 40° 45' 44.50" W 103° 10' 56.99"	N 40° 45' 27.37" W 103° 11' 49.38"	0.7
	VOR: AKO	Available from N 40° 45' 44.50" W 103° 10' 56.99" to N 40° 45' 27.37" W 103° 11' 49.38"	
	VOR: SNY	Available from N 40° 45' 44.50" W 103° 10' 56.99" to N 40° 45' 27.37" W 103° 11' 49.38"	
2	N 40° 45' 6.81" W 103° 12' 52.23"	N 40° 43' 54.02" W 103° 16' 34.44"	3.1
	VOR: AKO	Available from N 40° 45' 6.81" W 103° 12' 52.23" to N 40° 43' 54.02" W 103° 16' 34.44"	
	VOR: SNY	Available from N 40° 45' 6.81" W 103° 12' 52.23" to N 40° 43' 54.02" W 103° 16' 34.44"	

User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	BJC	N 39° 54' 46.87" W 105° 8' 20.47" E 11	H	5727.8	115.40	BJC	Used
	Restriction:	Bearing [True]: 257.0° to 289.0° Bearing [Mag]: 246.0° to 278.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
	ESV:	Bearing [True]: 48.0° to 81.0° Bearing [Mag]: 37.0° to 70.0°			Arc Distance: Out to 95.0 NM Altitude: 13200.0 to 22000.0 Ft.		
2	BVR	N 39° 45' 57.00" W 103° 55' 40.96" E 10	H	5252.1	113.50	BVR	Disabled
3	LNK	N 40° 55' 25.66" W 96° 44' 31.24" E 9	H	1369.7	116.10	LNK	Used
	ESV:	Bearing [True]: 296.0° to 315.0° Bearing [Mag]: 287.0° to 306.0°			Arc Distance: Out to 150.0 NM Altitude: 23000.0 to 45000.0 Ft.		

DMEs Relative to Waypoints

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Waypoint Before	Waypoint After	DME List
ONL	YANKI	BFF FSD HCT LNK MCK OBH ONL SNY
YANKI	CAAST	AKO BFF GLD HCT MCK OBH ONL SNY
CAAST	CTFSH	AKO BFF GLD HCT LBF MCK OBH ONL SNY
CTFSH	BRRUK	AKO BFF HCT MCK SNY
BRRUK	DORSL	AKO BFF CYS DEN DVV FQF GLL HCT MCK SNY
DORSL	LIBIE	AKO BFF BJC CYS DEN DVV FQF GLL MCK SNY
LIBIE	ANCHR	AKO BJC GLL