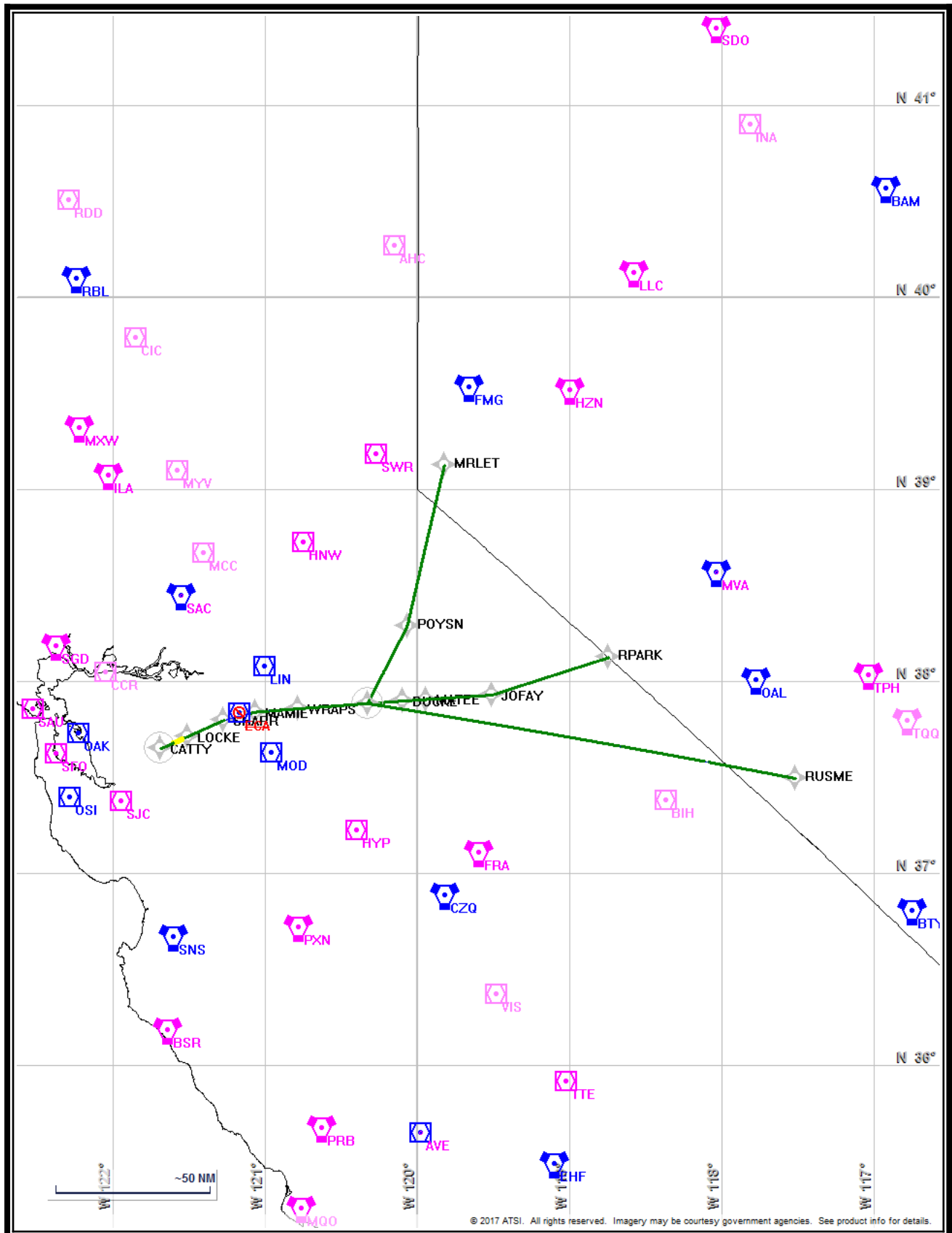


**Name:** Jeanette Roller  
**Project Name:** KOAK  
**Output File:** KOAK SHARR1 STAR  
MRLET BIFFY  
20170306\_1357  
**Procedure Name:** SHARR1  
**Software:** RNAV-Pro™  
**Version:** 2.39  
**Date/Time:** 3/6/2017 1:57:56 PM  
**Input File:** [KOAK SHARR STAR  
MRLET BIFFY.txt](#)  
**Databases:** AIRNAV Date: 2/8/2017  
CIFP Date: 8/18/2016  
DTED® (MAX) Date: 2002

## Results Summary:

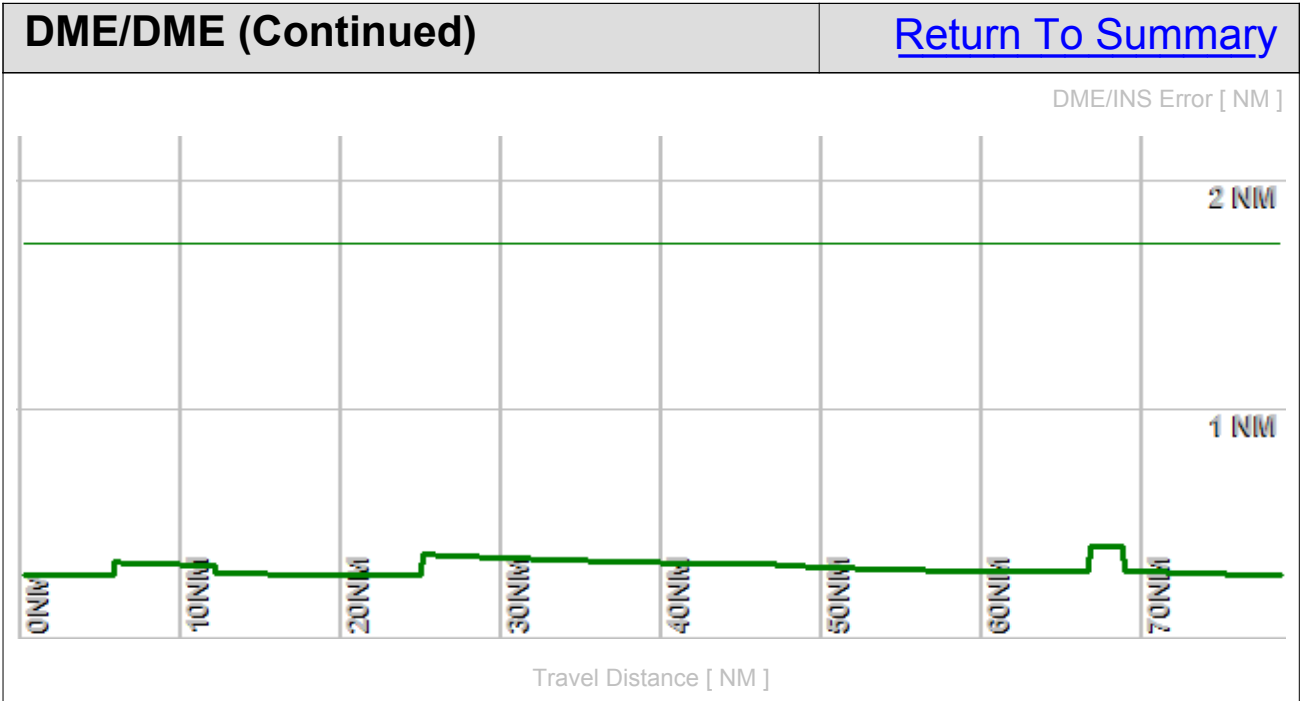
<b>Flyability</b>	✓	
<b>DME/DME</b>	✓	No Critical DMEs Exist
<b>Radars</b>	?	
<b>Comms</b>	?	
<b>TERPS</b>	?	



Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
MRLET	WP	N 39° 7' 37.20" W 119° 49' 31.20"	20000.0	Step	280.0	Fly By	TF
POYSN	WP	N 38° 17' 18.33" W 120° 4' 9.08"	20000.0	Step	280.0	Fly By	TF
BIFFY	WP	N 37° 53' 5.35" W 120° 19' 48.67"	20000.0	Step	280.0	Fly Over	TF

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> Arrival <b>Selected Airport:</b> KOAK <b>Aircraft Category:</b> Cat D <b>Climb Gradient:</b> <i>None assigned</i> <b>Ground Speeds:</b> 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 <b>Wind Settings:</b> <i>None assigned</i> <b>Descent During a Turn:</b> Allowed <b>VNAV Mode:</b> Flight Plan	
Entire track is fly-able		

DME/DME	<a href="#">Return To Summary</a>
<b>Settings:</b>	<p> <b>RNP:</b> 2.0  <b>Flight Mode:</b> Manual  <b>Line of Sight (DTED Level 0 Max):</b> Evaluated  <b>DME Restrictions:</b> Evaluated  <b>Inertial Drift:</b> Enabled              <b>Initial Drift:</b> 0.558 NM              <b>INS Drift Rate:</b> 8.000 NM/Hour  <b>Range Mode:</b> OSV  <b>Co-Frequencies:</b> Evaluated  <b>RNP Edges:</b> Evaluated  <b>Min DME Range:</b> 3.0 NM  <b>Allowed Gap Length:</b> 4.0 NM  <b>DME Types:</b> VOR/DME, VORTAC, Standalone, and User  <b>DME Include Angles:</b> 30 to 150  <b>Critical DMEs:</b> Allowed  <b>DoD Facilities:</b> Not included  <b>Foreign Facilities:</b> Not included  <b>Low DMEs:</b> Included  <b>Terminal DMEs:</b> Included  <b>Flight Check DMEs:</b> Selected  <b>Higher Altitudes:</b> Evaluated  <b>Near Maximum Altitude:</b> Evaluated         </p>
<p> <b>Total Number of DMEs Used:</b> 7  <b>Maximum DME Error:</b> 0.408 NM.  <b>No Critical DMEs were found.</b>  <b>Available DMEs:</b> SAC, FMG, LIN, MOD, SWR, CZQ, PYE  <b>Disabled DMEs:</b> ECA  <b>Co-Frequency Interference:</b> 109.2(MCC)         </p>	

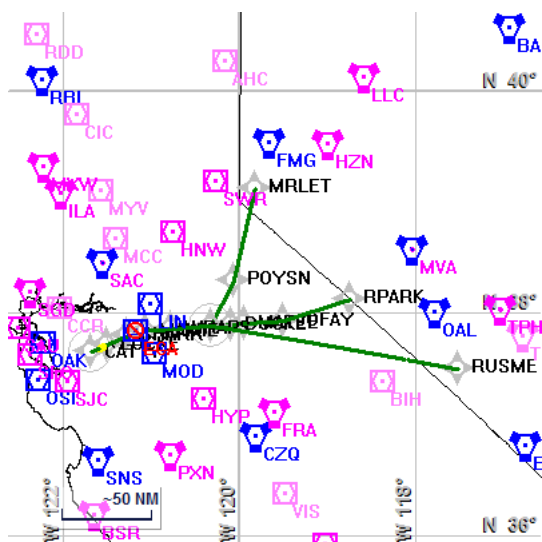


DME/DME (Continued)						<a href="#">Return To Summary</a>			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FMG	N 39° 31' 52.60" W 119° 39' 21.87" 16 E	H	Database	NO	0.408	Enabled	7.3%	7.3%
2	SWR	N 39° 10' 49.16" W 120° 16' 10.60" 16 E	L	Database	NO	0.556	Enabled	31.8%	31.8%
3	MOD	N 37° 37' 38.55" W 120° 57' 28.32" 17 E	H	Database	NO	0.427	Enabled	20.5%	20.5%
4	LIN	N 38° 4' 28.52" W 121° 0' 13.89" 17 E	H	Database	NO	0.408	Enabled	40.5%	40.5%
5	SAC	N 38° 26' 37.48" W 121° 33' 5.94" 17 E	H + <a href="#">ESV</a>	User	NO	0.408	Enabled	28.9%	28.9%
6	CZQ	N 36° 53' 3.56" W 119° 48' 54.52" 15 E	H	Database	NO	0.425	Enabled	68.2%	68.2%
7	PYE	N 38° 4' 47.12" W 122° 52' 4.18" 17 E	H	Database	NO	0.369	Enabled	2.8%	2.8%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		FMG	SWR	MOD	SAC	LIN			
14.2		CZQ	SWR	MOD	SAC	LIN			
50.8		CZQ	PYE	MOD	SAC	LIN			

Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
MRLET	POYSN	SAC, CZQ, FMG, LIN, MOD, and SWR
POYSN	BIFFY	SAC, CZQ, LIN, MOD, and PYE



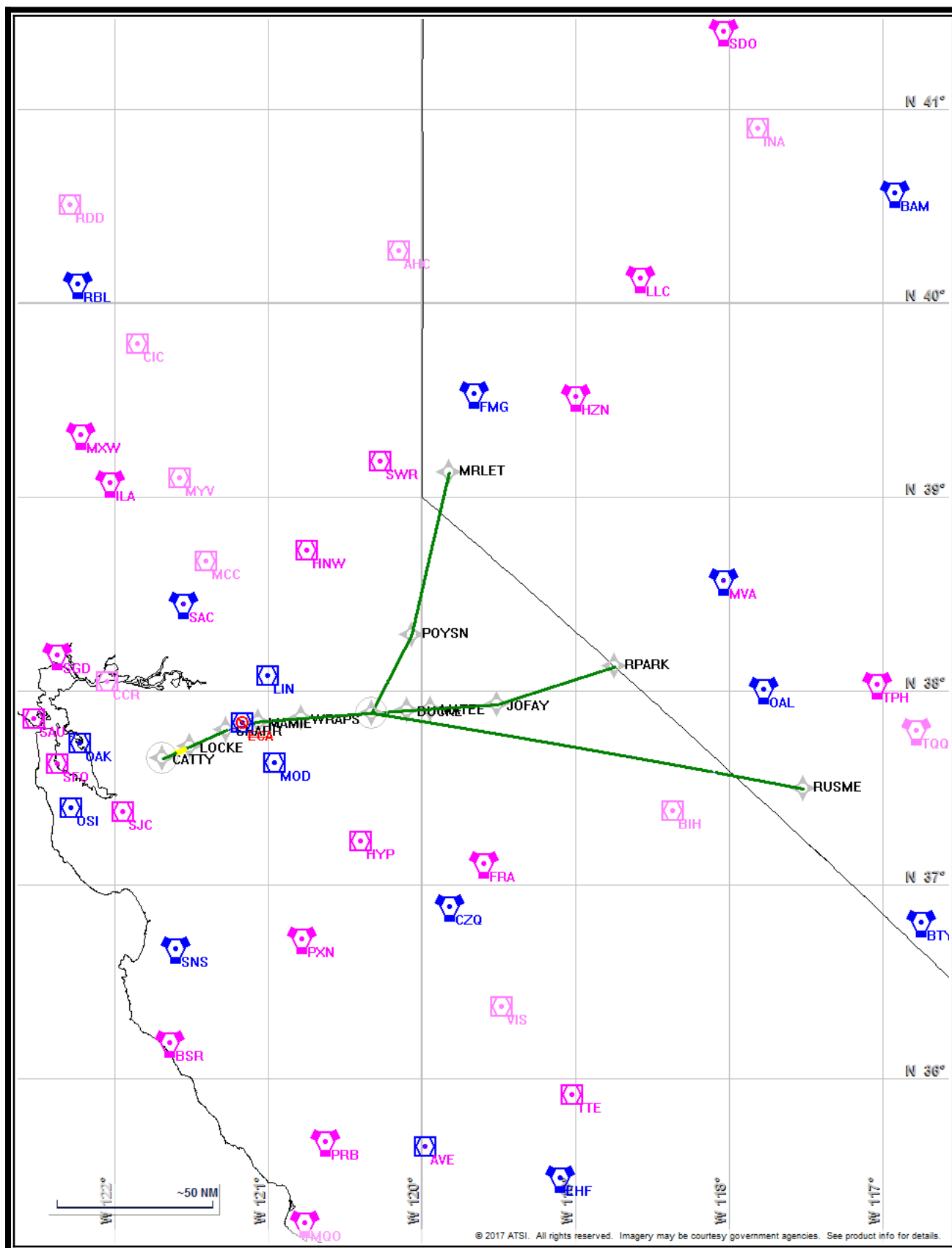
User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	UserDMEs_KHWD SHARR STAR RPARK CATTY 20170226_0256.udt						
2	UserDMEs_KHWD SHARR STAR RUSME CATTY 20170226_0236.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SAC	N 38° 26' 37.48" W 121° 33' 5.94" 17 E	H	3.4	115.20	SAC	Used
		ESV:	Bearing [True]: 129.0° to 182.0° Bearing [Mag]: 112.0° to 165.0°		Arc Distance: Out to 53.0 NM Altitude: 4400.0 to 16000.0 ft		
2	MVA	N 38° 33' 55.08" W 118° 1' 58.27" 17 E	H	7860.0	115.10	MVA	Not Used
		Restriction:	Bearing [True]: 147.0° to 177.0° Bearing [Mag]: 130.0° to 160.0°		Distance: Beyond 28.0 NM Altitude: Below 10700.0 ft		
		ESV:	Bearing [True]: 180.0° to 247.0° Bearing [Mag]: 163.0° to 230.0°		Arc Distance: Out to 90.0 NM Altitude: 20000.0 to 24000.0 ft		
3	TPH	N 38° 1' 50.32" W 117° 2' 0.63" 17 E	L	5344.4	117.20	TPH	Not Used
		Restriction:	Bearing [True]: 67.0° to 77.0° Bearing [Mag]: 50.0° to 60.0°		Distance: Beyond 30.0 NM Altitude: Below 9500.0 ft		
		Restriction:	Bearing [True]: 32.0° to 67.0° Bearing [Mag]: 15.0° to 50.0°		Distance: Beyond 35.0 NM Altitude: Below 10800.0 ft		
		Restriction:	Bearing [True]: 17.0° to 32.0° Bearing [Mag]: 360.0° to 15.0°		Distance: Beyond 30.0 NM Altitude: Below 10800.0 ft		
		Restriction:	Bearing [True]: 287.0° to 332.0° Bearing [Mag]: 270.0° to 315.0°		Distance: Beyond 20.0 NM Altitude: Below 8600.0 ft		
		Restriction:	Bearing [True]: 257.0° to 277.0° Bearing [Mag]: 240.0° to 260.0°		Distance: Beyond 30.0 NM Altitude: Below 10600.0 ft		
		ESV:	Bearing [True]: 212.0° to 254.0° Bearing [Mag]: 195.0° to 237.0°		Arc Distance: Out to 69.0 NM Altitude: 20000.0 to 24000.0 ft		
4	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H	710.0	117.10	AVE	Not Used
		Restriction:	Bearing [True]: 161.0° to 296.0° Bearing [Mag]: 145.0° to 280.0°		Distance: Beyond 25.0 NM Altitude: Below 10000.0 ft		
		Restriction:	Bearing [True]: 297.0° to 316.0° Bearing [Mag]: 281.0° to 300.0°		Distance: Beyond 25.0 NM Altitude: Below 9000.0 ft		
		ESV:	Bearing [True]: 23.0° to 36.0° Bearing [Mag]: 7.0° to 20.0°		Arc Distance: Out to 145.0 NM Altitude: 20000.0 to 45000.0 ft		



**Name:** Jeanette Roller  
**Project Name:** KOAK  
**Output File:** KOAK SHARR1 STAR  
 RPARK BIFFY  
 20170306\_1356  
**Procedure Name:** SHARR1  
**Software:** RNAV-Pro™  
**Version:** 2.39  
**Date/Time:** 3/6/2017 1:56:54 PM  
**Input File:** [KOAK SHARR1 STAR  
 RPARK BIFFY.txt](#)  
**Databases:** AIRNAV Date: 2/8/2017  
 CIPF Date: 8/18/2016  
 DTED® (MAX) Date: 2002

## Results Summary:

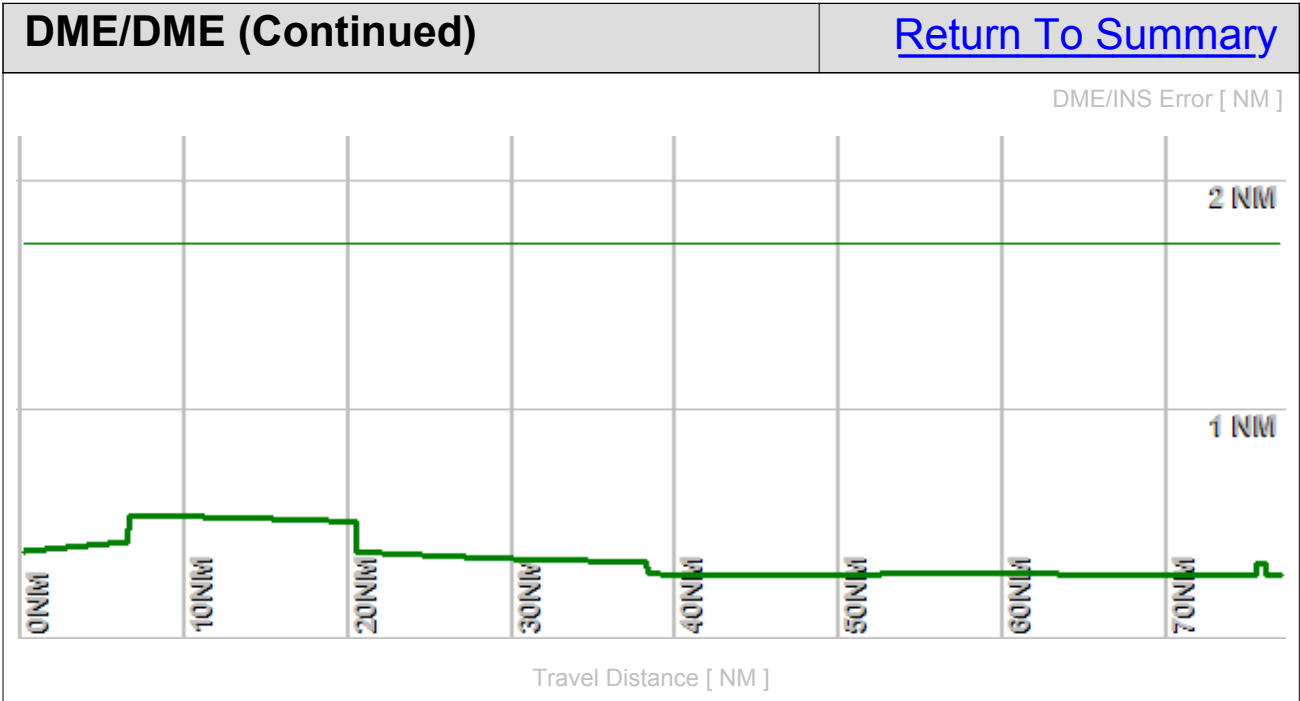
<b>Flyability</b>	✓	
<b>DME/DME</b>	✓	No Critical DMEs Exist
<b>Radars</b>	?	
<b>Comms</b>	?	
<b>TERPS</b>	?	



Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RPARK	WP	N 38° 7' 24.91" W 118° 44' 49.79"	20000.0	Step	280.0	Fly By	TF
JOFAV	WP	N 37° 55' 43.42" W 119° 30' 45.53"	20000.0	Step	280.0	Fly By	TF
MATEE	WP	N 37° 54' 22.14" W 119° 56' 46.44"	20000.0	Step	280.0	Fly By	TF
DUCKE	WP	N 37° 53' 51.65" W 120° 6' 3.73"	20000.0	Step	280.0	Fly By	TF
BIFFY	WP	N 37° 53' 5.35" W 120° 19' 48.67"	20000.0	Step	280.0	Fly Over	TF

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> Arrival <b>Selected Airport:</b> KOAK <b>Aircraft Category:</b> Cat D <b>Climb Gradient:</b> <i>None assigned</i> <b>Ground Speeds:</b> 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  <b>Wind Settings:</b> <i>None assigned</i> <b>Descent During a Turn:</b> Allowed <b>VNAV Mode:</b> Flight Plan	
	Entire track is fly-able	

DME/DME		<a href="#">Return To Summary</a>
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, Standalone, and User	
	DME Include Angles: 30 to 150	
	Critical DMEs: Allowed	
	DoD Facilities: Not included	
Foreign Facilities: Not included		
Low DMEs: Included		
Terminal DMEs: Included		
Flight Check DMEs: Selected		
Higher Altitudes: Evaluated		
Near Maximum Altitude: Evaluated		
Total Number of DMEs Used: 7		
Maximum DME Error: 0.540 NM.		
No Critical DMEs were found.		
Available DMEs: MVA, MOD, OAL, SAC, LIN, CZQ, PYE, OSI, OAK		
Disabled DMEs: ECA		
Co-Frequency Interference: 109.2(MCC, TTE)		

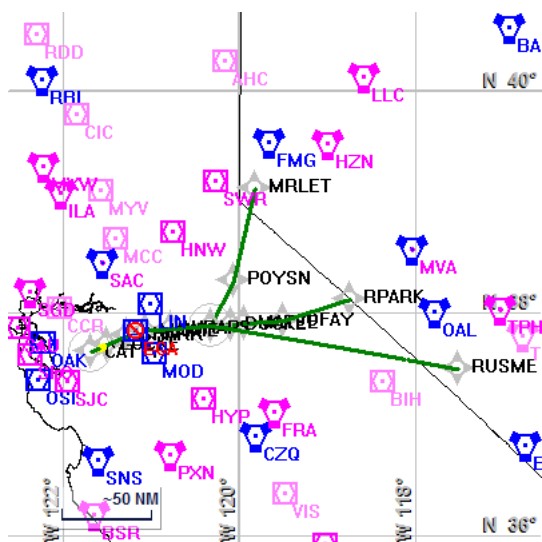


DME/DME (Continued)						<a href="#">Return To Summary</a>			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	MVA	N 38° 33' 55.08" W 118° 1' 58.27" 17 E	H + <a href="#">ESV</a>	User	NO	1.187	Enabled	26.5%	26.5%
2	OAL	N 38° 0' 11.74" W 117° 46' 13.60" 17 E	H	Database	NO	0.758	Enabled	8.4%	8.4%
3	SAC	N 38° 26' 37.48" W 121° 33' 5.94" 17 E	H + <a href="#">ESV</a>	User	NO	0.605	Enabled	41.2%	41.2%
4	CZQ	N 36° 53' 3.56" W 119° 48' 54.52" 15 E	H	Database	NO	0.540	Enabled	73.5%	73.5%
5	LIN	N 38° 4' 28.52" W 121° 0' 13.89" 17 E	H	Database	NO	0.540	Enabled	23.5%	23.5%
6	MOD	N 37° 37' 38.55" W 120° 57' 28.32" 17 E	H	Database	NO	0.540	Enabled	26.2%	26.2%
7	OSI	N 37° 23' 33.65" W 122° 16' 54.63" 17 E	H	Database	NO	0.540	Enabled	0.8%	0.8%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		MVA	OAL	SAC	LIN	MOD			
20.4		MVA	CZQ	SAC	LIN	MOD			
37.4		MVA	CZQ	SAC	LIN	MOD			
58.7		CZQ	SAC	LIN	MOD				
66.1		OSI	CZQ	SAC	LIN	MOD	PYE		



Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
RPARK	JOFA Y	MVA, SAC, CZQ, LIN, MOD, and OAL
JOFA Y	MATEE	MVA, SAC, CZQ, LIN, and MOD
MATEE	DUCKE	SAC, CZQ, LIN, and MOD
DUCKE	BIFFY	SAC, CZQ, LIN, MOD, OSI, OAK*, and PYE*

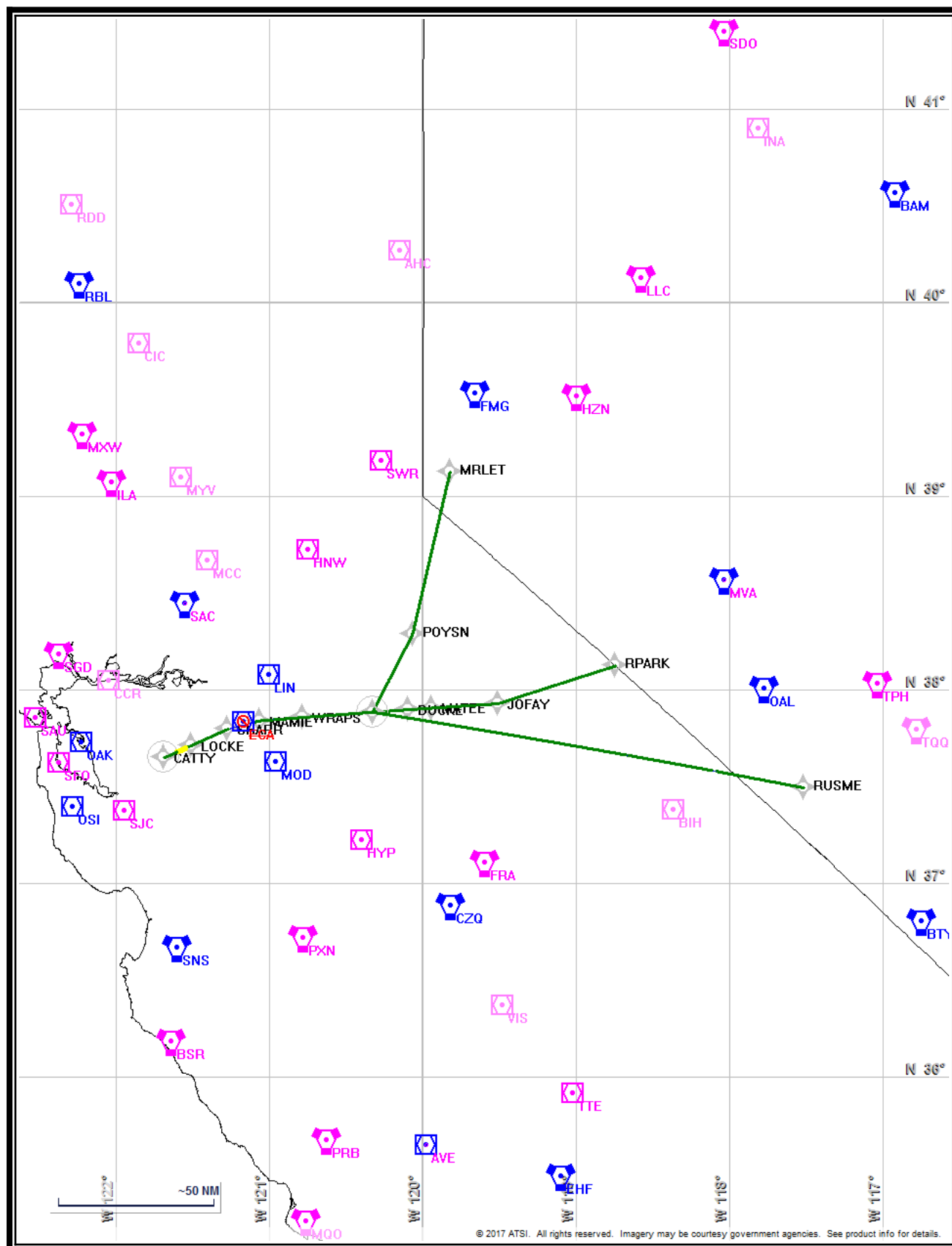
User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	UserDMEs_KHWD SHARR STAR RPARK CATTY 20170226_0256.udt						
2	UserDMEs_KHWD SHARR STAR RUSME CATTY 20170226_0236.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SAC	N 38° 26' 37.48" W 121° 33' 5.94" 17 E	H	3.4	115.20	SAC	Used
		ESV:	Bearing [True]: 129.0° to 182.0° Bearing [Mag]: 112.0° to 165.0°		Arc Distance: Out to 53.0 NM Altitude: 4400.0 to 16000.0 ft		
2	MVA	N 38° 33' 55.08" W 118° 1' 58.27" 17 E	H	7860.0	115.10	MVA	Used
		Restriction:	Bearing [True]: 147.0° to 177.0° Bearing [Mag]: 130.0° to 160.0°		Distance: Beyond 28.0 NM Altitude: Below 10700.0 ft		
		ESV:	Bearing [True]: 180.0° to 247.0° Bearing [Mag]: 163.0° to 230.0°		Arc Distance: Out to 90.0 NM Altitude: 20000.0 to 24000.0 ft		
3	TPH	N 38° 1' 50.32" W 117° 2' 0.63" 17 E	L	5344.4	117.20	TPH	Not Used
		Restriction:	Bearing [True]: 67.0° to 77.0° Bearing [Mag]: 50.0° to 60.0°		Distance: Beyond 30.0 NM Altitude: Below 9500.0 ft		
		Restriction:	Bearing [True]: 32.0° to 67.0° Bearing [Mag]: 15.0° to 50.0°		Distance: Beyond 35.0 NM Altitude: Below 10800.0 ft		
		Restriction:	Bearing [True]: 17.0° to 32.0° Bearing [Mag]: 360.0° to 15.0°		Distance: Beyond 30.0 NM Altitude: Below 10800.0 ft		
		Restriction:	Bearing [True]: 287.0° to 332.0° Bearing [Mag]: 270.0° to 315.0°		Distance: Beyond 20.0 NM Altitude: Below 8600.0 ft		
		Restriction:	Bearing [True]: 257.0° to 277.0° Bearing [Mag]: 240.0° to 260.0°		Distance: Beyond 30.0 NM Altitude: Below 10600.0 ft		
		ESV:	Bearing [True]: 212.0° to 254.0° Bearing [Mag]: 195.0° to 237.0°		Arc Distance: Out to 69.0 NM Altitude: 20000.0 to 24000.0 ft		
4	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H	710.0	117.10	AVE	Not Used
		Restriction:	Bearing [True]: 161.0° to 296.0° Bearing [Mag]: 145.0° to 280.0°		Distance: Beyond 25.0 NM Altitude: Below 10000.0 ft		
		Restriction:	Bearing [True]: 297.0° to 316.0° Bearing [Mag]: 281.0° to 300.0°		Distance: Beyond 25.0 NM Altitude: Below 9000.0 ft		
		ESV:	Bearing [True]: 23.0° to 36.0° Bearing [Mag]: 7.0° to 20.0°		Arc Distance: Out to 145.0 NM Altitude: 20000.0 to 45000.0 ft		



**Name:** Jeanette Roller  
**Project Name:** KOAK  
**Output File:** KOAK SHARR1 STAR  
 RUSME CATTY  
 20170306\_1358  
**Procedure Name:** SHARR1  
**Software:** RNAV-Pro™  
**Version:** 2.39  
**Date/Time:** 3/6/2017 1:59:02 PM  
**Input File:** [KOAK SHARR STAR  
 RUSME CATTY.txt](#)  
**Databases:** AIRNAV Date: 2/8/2017  
 CIFP Date: 8/18/2016  
 DTED® (MAX) Date: 2002

## Results Summary:

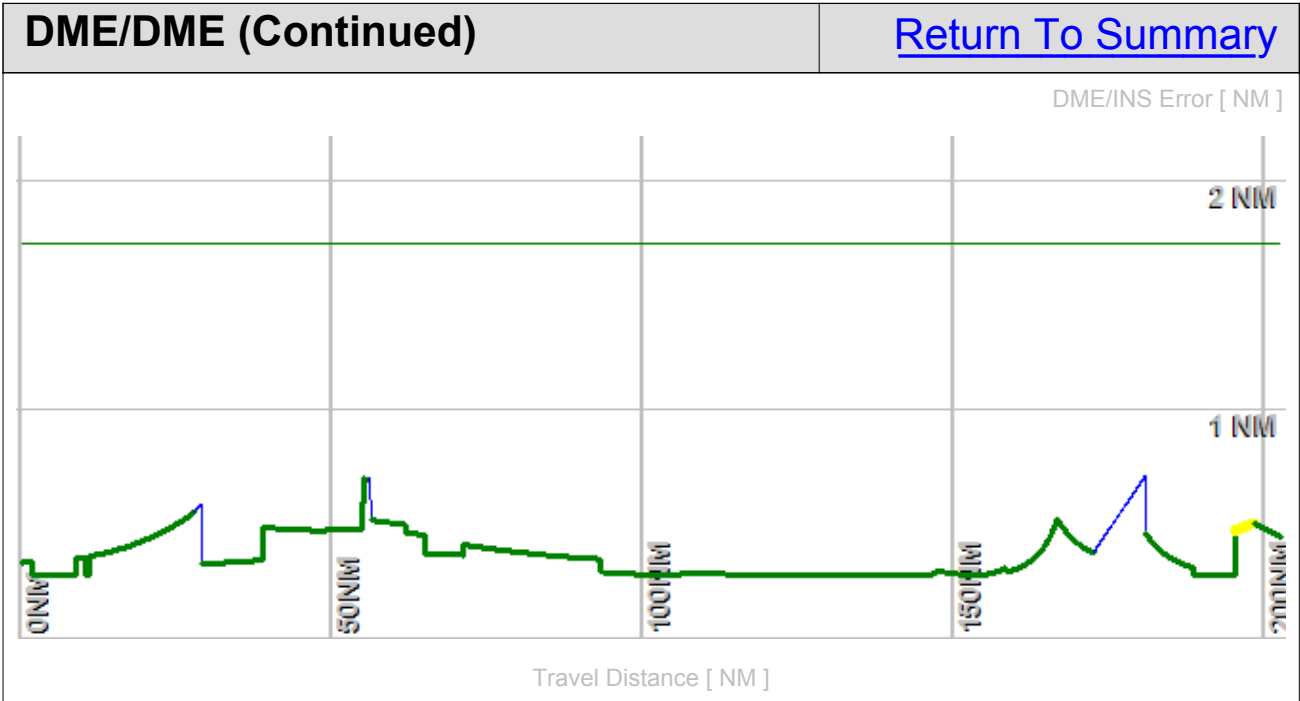
<b>Flyability</b>	✓	Please Check <b>Flyability</b> Results
<b>DME/DME</b>	✓	No Critical DMEs Exist
<b>Radars</b>	?	
<b>Comms</b>	?	
<b>TERPS</b>	?	



Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RUSME	WP	N 37° 29' 39.00" W 117° 31' 12.00"	20000.0	Step	280.0	Fly By	TF
BIFFY	WP	N 37° 53' 5.35" W 120° 19' 48.67"	20000.0	Step	280.0	Fly By	TF
WRAPS	WP	N 37° 51' 28.60" W 120° 47' 1.48"	8000.0	Step	250.0	Fly By	TF
MAMIE	WP	N 37° 50' 25.13" W 121° 3' 59.61"	8000.0	Step	250.0	Fly By	TF
SHARR	WP	N 37° 47' 48.64" W 121° 16' 31.06"	8000.0	Step	250.0	Fly By	TF
LOCKE	WP	N 37° 42' 48.55" W 121° 30' 34.61"	8000.0	Step	230.0	Fly By	TF
CATTY	WP	N 37° 38' 57.24" W 121° 41' 20.32"	8000.0	Step	180.0	Fly Over	TF

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> Arrival <b>Selected Airport:</b> KOAK <b>Aircraft Category:</b> Cat D <b>Climb Gradient:</b> <i>None assigned</i> <b>Ground Speeds:</b> Table: <b>200.0 Kts</b> up to <b>11000.0 ft</b> <b>240.0 Kts</b> up to <b>18000.0 ft</b> <b>260.0 Kts</b> up to <b>24000.0 ft</b> <b>340.0 Kts</b> up to <b>99900.0 ft</b>  <b>Wind Settings:</b> <i>None assigned</i> <b>Descent During a Turn:</b> Allowed <b>VNAV Mode:</b> Flight Plan	
	Aircraft ALTITUDE at Fly-By WP WRAPS too high.	

DME/DME		<a href="#">Return To Summary</a>
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, Standalone, and User
	DME Include Angles:	30 to 150
	Critical DMEs:	Allowed
	DoD Facilities:	Not included
Foreign Facilities:	Not included	
Low DMEs:	Included	
Terminal DMEs:	Included	
Flight Check DMEs:	Selected	
Higher Altitudes:	Evaluated	
Near Maximum Altitude:	Evaluated	
Total Number of DMEs Used: 11		
Maximum DME Error: 0.713 NM.		
No Critical DMEs were found.		
Available DMEs: TPH, OAL, BTY, MVA, AVE, MOD, CZQ, LIN, SAC, PYE, OSI, OAK		
Disabled DMEs: ECA		
Co-Frequency Interference: 109.2(MCC, TTE)		





DME/DME (Continued)						<a href="#">Return To Summary</a>			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	TPH	N 38° 1' 50.32" W 117° 2' 0.63" 17 E	L + <a href="#">ESV</a>	User	NO	1.155	Enabled	17.2%	18.5%
2	OAL	N 38° 0' 11.74" W 117° 46' 13.60" 17 E	H	Database	NO	0.878	Enabled	16.8%	18.1%
3	BTY	N 36° 48' 2.15" W 116° 44' 51.51" 16 E	H	Database	NO	0.713	Enabled	3.5%	3.8%
4	MVA	N 38° 33' 55.08" W 118° 1' 58.27" 17 E	H + <a href="#">ESV</a>	User	NO	1.361	Enabled	14.0%	15.1%
5	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H + <a href="#">ESV</a>	User	NO	0.713	Enabled	4.4%	4.7%
6	MOD	N 37° 37' 38.55" W 120° 57' 28.32" 17 E	H	Database	NO	1.209	Enabled	37.7%	36.7%
7	LIN	N 38° 4' 28.52" W 121° 0' 13.89" 17 E	H	Database	NO	1.087	Enabled	20.6%	20.5%
8	CZQ	N 36° 53' 3.56" W 119° 48' 54.52" 15 E	H	Database	NO	0.713	Enabled	35.4%	37.9%
9	SAC	N 38° 26' 37.48" W 121° 33' 5.94" 17 E	H + <a href="#">ESV</a>	User	NO	1.297	Enabled	27.4%	25.3%
10	OAK	N 37° 43' 33.32" W 122° 13' 24.91" 17 E	H	Database	NO	0.713	Enabled	6.6%	5.5%
11	OSI	N 37° 23' 33.65" W 122° 16' 54.63" 17 E	H	Database	NO	0.713	Enabled	4.4%	3.6%
	Total Coverage							94.0%	94.8%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		TPH	OAL	BTY	MVA	AVE			
56.2		LIN	MOD	CZQ	MVA	AVE			
66.3		LIN	MOD	CZQ	MVA	SAC			
100.4		LIN	MOD	CZQ	PYE	SAC			
135.2		LIN	MOD	CZQ	OSI	SAC	OAK		
147.3		LIN	MOD	SAC					
157.4		LIN	MOD	SAC					
170.6		LIN	MOD	SAC					

DME/DME (Continued)					<a href="#">Return To Summary</a>	
Flight Check DME Selection (Continued)						
Distance [NM]		Selected DMEs				Alternate
180.9		OAK	MOD	SAC		
193.4		OAK	MOD	SAC	OSI	
Inertial Drift Segments						
#	Start Location		End Location			Length [NM]
1	N 37° 34' 45.93" W 118° 5' 28.62"		N 37° 35' 0.05" W 118° 7' 5.13"			1.3
VOR: BIH		Available from N 37° 34' 45.93" W 118° 5' 28.62" to N 37° 35' 0.05" W 118° 7' 5.13"				
VOR: OAL		Available from N 37° 34' 45.93" W 118° 5' 28.62" to N 37° 35' 0.05" W 118° 7' 5.13"				
2	N 37° 39' 44.81" W 118° 40' 5.72"		N 37° 39' 50.13" W 118° 40' 43.34"			0.5
VOR: BIH		Available from N 37° 39' 44.81" W 118° 40' 5.72" to N 37° 39' 50.13" W 118° 40' 43.34"				
3	N 37° 50' 44.86" W 120° 58' 47.86"		N 37° 50' 44.33" W 120° 58' 56.25"			0.1
VOR: MOD		Available from N 37° 50' 44.86" W 120° 58' 47.86" to N 37° 50' 44.33" W 120° 58' 56.25"				
VOR: ECA		Available from N 37° 50' 44.86" W 120° 58' 47.86" to N 37° 50' 44.33" W 120° 58' 56.25"				
VOR: LIN		Available from N 37° 50' 44.86" W 120° 58' 47.86" to N 37° 50' 44.33" W 120° 58' 56.25"				
4	N 37° 49' 59.46" W 121° 6' 4.71"		N 37° 47' 51.98" W 121° 16' 14.89"			8.3
VOR: MOD		Available from N 37° 49' 59.46" W 121° 6' 4.71" to N 37° 47' 51.98" W 121° 16' 14.89"				
VOR: ECA		Available from N 37° 49' 59.46" W 121° 6' 4.71" to N 37° 47' 51.98" W 121° 16' 14.89"				
VOR: LIN		Available from N 37° 49' 59.46" W 121° 6' 4.71" to N 37° 47' 51.98" W 121° 16' 14.89"				
VOR: CCR		Available from N 37° 47' 58.87" W 121° 15' 42.39" to N 37° 47' 51.98" W 121° 16' 14.89"				

Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
RUSME	BIFFY	AVE, TPH, MVA, SAC, BTY, CZQ, LIN, MOD, OAL, and PYE
BIFFY	WRAPS	SAC, CZQ, LIN, MOD, OSI, OAK*, and PYE*
WRAPS	MAMIE	SAC, LIN, and MOD
MAMIE	SHARR	SAC, LIN, and MOD
SHARR	LOCKE	SAC, MOD, and OAK
LOCKE	CATTY	SAC, MOD, OAK, and OSI

User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	UserDMEs_KHWD SHARR STAR RPARK CATTY 20170226_0256.udt						
2	UserDMEs_KHWD SHARR STAR RUSME CATTY 20170226_0236.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SAC	N 38° 26' 37.48" W 121° 33' 5.94" 17 E	H	3.4	115.20	SAC	Used
		ESV:	Bearing [True]: 129.0° to 182.0° Bearing [Mag]: 112.0° to 165.0°		Arc Distance: Out to 53.0 NM Altitude: 4400.0 to 16000.0 ft		
2	MVA	N 38° 33' 55.08" W 118° 1' 58.27" 17 E	H	7860.0	115.10	MVA	Used
		Restriction:	Bearing [True]: 147.0° to 177.0° Bearing [Mag]: 130.0° to 160.0°		Distance: Beyond 28.0 NM Altitude: Below 10700.0 ft		
		ESV:	Bearing [True]: 180.0° to 247.0° Bearing [Mag]: 163.0° to 230.0°		Arc Distance: Out to 90.0 NM Altitude: 20000.0 to 24000.0 ft		
3	TPH	N 38° 1' 50.32" W 117° 2' 0.63" 17 E	L	5344.4	117.20	TPH	Used
		Restriction:	Bearing [True]: 67.0° to 77.0° Bearing [Mag]: 50.0° to 60.0°		Distance: Beyond 30.0 NM Altitude: Below 9500.0 ft		
		Restriction:	Bearing [True]: 32.0° to 67.0° Bearing [Mag]: 15.0° to 50.0°		Distance: Beyond 35.0 NM Altitude: Below 10800.0 ft		
		Restriction:	Bearing [True]: 17.0° to 32.0° Bearing [Mag]: 360.0° to 15.0°		Distance: Beyond 30.0 NM Altitude: Below 10800.0 ft		
		Restriction:	Bearing [True]: 287.0° to 332.0° Bearing [Mag]: 270.0° to 315.0°		Distance: Beyond 20.0 NM Altitude: Below 8600.0 ft		
		Restriction:	Bearing [True]: 257.0° to 277.0° Bearing [Mag]: 240.0° to 260.0°		Distance: Beyond 30.0 NM Altitude: Below 10600.0 ft		
		ESV:	Bearing [True]: 212.0° to 254.0° Bearing [Mag]: 195.0° to 237.0°		Arc Distance: Out to 69.0 NM Altitude: 20000.0 to 24000.0 ft		
4	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H	710.0	117.10	AVE	Used
		Restriction:	Bearing [True]: 161.0° to 296.0° Bearing [Mag]: 145.0° to 280.0°		Distance: Beyond 25.0 NM Altitude: Below 10000.0 ft		
		Restriction:	Bearing [True]: 297.0° to 316.0° Bearing [Mag]: 281.0° to 300.0°		Distance: Beyond 25.0 NM Altitude: Below 9000.0 ft		
		ESV:	Bearing [True]: 23.0° to 36.0° Bearing [Mag]: 7.0° to 20.0°		Arc Distance: Out to 145.0 NM Altitude: 20000.0 to 45000.0 ft		