

Name: Jeanette Roller
Project Name: KSMO CTRUS1
Output File: KSMO CTRUS1 SID DZINE
 COREZ 20150805_0920
Procedure Name: CTRUS1
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/5/2015 9:21:28 AM
Input File: CTRUS DZINE COREZ
 20140930_1006.txt
Databases: AIRNAV Date: 7/7/2015
 CIFP Date: 2/5/2015
 DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

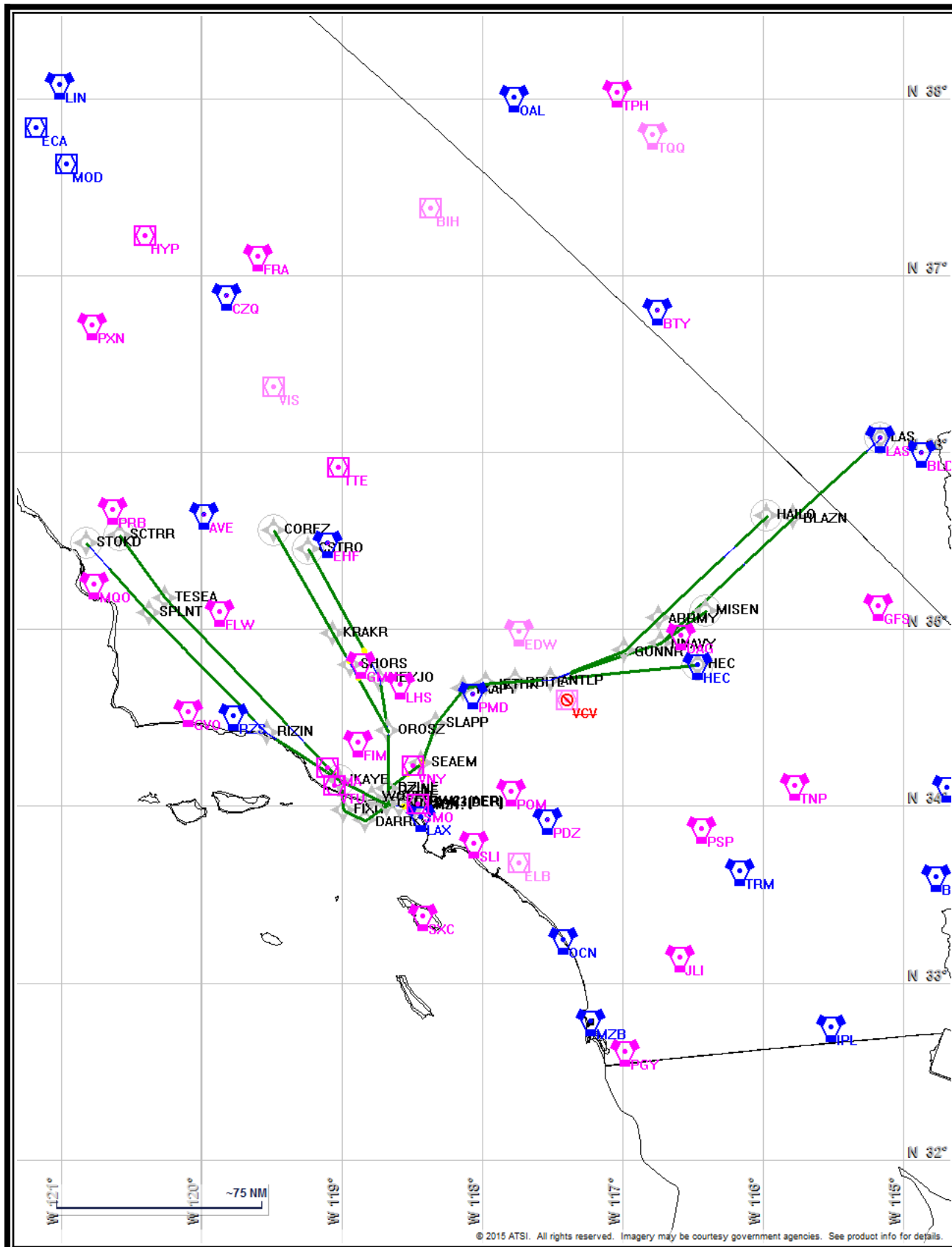


Comms



TERPS

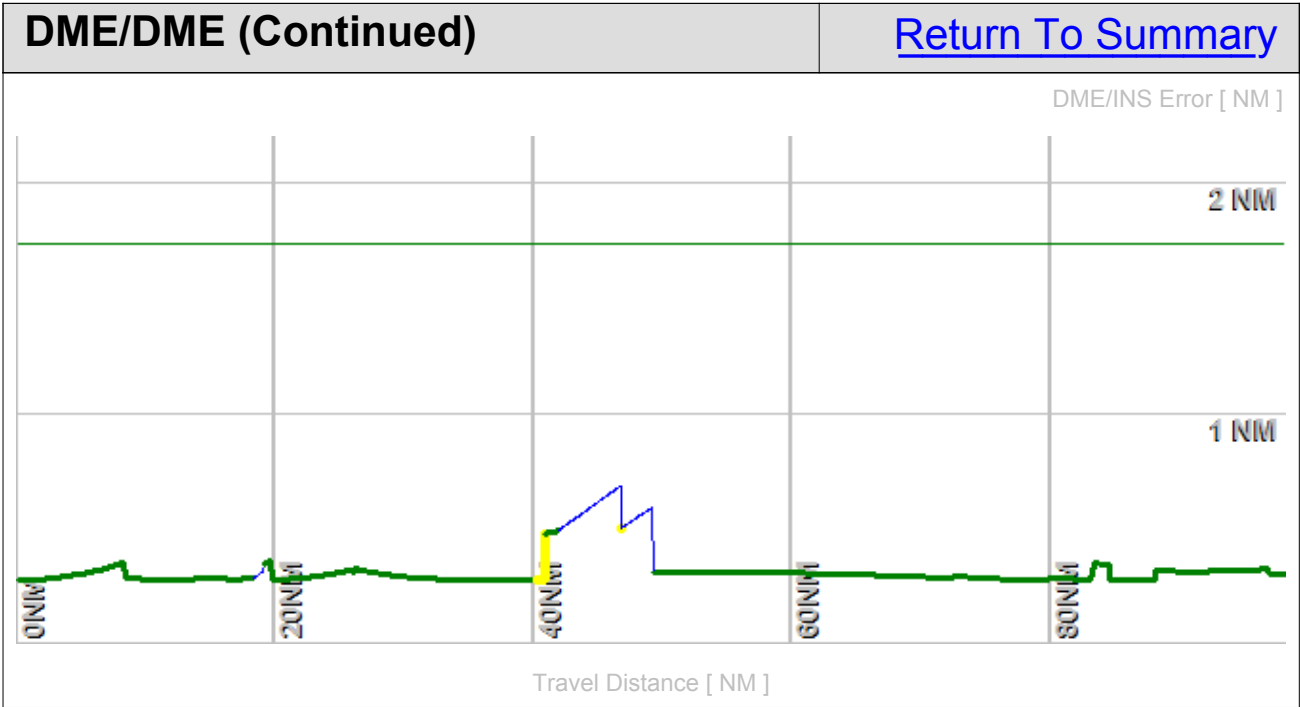




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
DZINE	WP	N 34° 5' 51.04" W 118° 40' 20.14"	5000.0	Step	250.0	Fly By	TF
OROSZ	WP	N 34° 25' 36.18" W 118° 40' 27.01"	6000.0	VNAV	180.0	Fly By	TF
SHORS	WP	N 34° 47' 43.61" W 118° 56' 7.37"	10300.0	VNAV	180.0	Fly By	TF
KRAKR	WP	N 34° 58' 30.50" W 119° 3' 49.98"	14000.0	VNAV	210.0	Fly By	TF
COREZ	WP	N 35° 33' 24.00" W 119° 29' 1.98"	14000.0	VNAV	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition Selected Airport: KSMO Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> 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: <i>None assigned</i> 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		
Total Number of DMEs Used: 12		
Maximum DME Error: 0.685 NM.		
No Critical DMEs were found.		
Available DMEs: FIM, LAX, SLI, SMO, VNY, VTU, LHS, GMN, PMD, AVE, EHF, CZQ, TTE, FLW		
Disabled DMEs: VCV		



DME/DME (Continued)			Return To Summary
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N 34° 24' 13.14" W 118° 40' 26.52"	N 34° 24' 59.88" W 118° 40' 26.80"	0.8
	VOR: LAX	Available from N 34° 24' 13.14" W 118° 40' 26.52" to N 34° 24' 59.88" W 118° 40' 26.80"	
	VOR: FIM	Available from N 34° 24' 13.14" W 118° 40' 26.52" to N 34° 24' 59.88" W 118° 40' 26.80"	
	VOR: GMN	Available from N 34° 24' 13.14" W 118° 40' 26.52" to N 34° 24' 59.88" W 118° 40' 26.80"	
	VOR: PMD	Available from N 34° 24' 13.14" W 118° 40' 26.52" to N 34° 24' 59.88" W 118° 40' 26.80"	
	VOR: VNY	Available from N 34° 24' 13.14" W 118° 40' 26.52" to N 34° 24' 59.88" W 118° 40' 26.80"	
	VOR: VTU	Available from N 34° 24' 13.14" W 118° 40' 26.52" to N 34° 24' 59.88" W 118° 40' 26.80"	
	VOR: CMA	Available from N 34° 24' 13.14" W 118° 40' 26.52" to N 34° 24' 59.88" W 118° 40' 26.80"	
	VOR: LHS	Available from N 34° 24' 13.14" W 118° 40' 26.52" to N 34° 24' 59.88" W 118° 40' 26.80"	
	VOR: SMO	Available from N 34° 24' 13.14" W 118° 40' 26.52" to N 34° 24' 59.88" W 118° 40' 26.80"	
2	N 34° 44' 47.50" W 118° 54' 2.01"	N 34° 49' 0.82" W 118° 57' 2.44"	4.9
	VOR: FIM	Available from N 34° 44' 47.50" W 118° 54' 2.01" to N 34° 49' 0.82" W 118° 57' 2.44"	
	VOR: GMN	Available from N 34° 44' 47.50" W 118° 54' 2.01" to N 34° 49' 0.82" W 118° 57' 2.44"	
	VOR: VNY	Available from N 34° 44' 47.50" W 118° 54' 2.01" to N 34° 47' 5.70" W 118° 55' 40.36"	
	VOR: VTU	Available from N 34° 44' 47.50" W 118° 54' 2.01" to N 34° 46' 25.39" W 118° 55' 11.66"	
	VOR: CMA	Available from N 34° 44' 47.50" W 118° 54' 2.01" to N 34° 49' 0.82" W 118° 57' 2.44"	
	VOR: LHS	Available from N 34° 44' 47.50" W 118° 54' 2.01" to N 34° 49' 0.82" W 118° 57' 2.44"	

DME/DME (Continued)			Return To Summary
<i>Inertial Drift Segments (Continued)</i>			
#	Start Location	End Location	Length [NM]
3	N 34° 49' 6.58" W 118° 57' 6.54"	N 34° 51' 6.81" W 118° 58' 32.39"	2.3
	VOR: FIM	Available from N 34° 49' 6.58" W 118° 57' 6.54" to N 34° 51' 6.81" W 118° 58' 32.39"	
	VOR: GMN	Available from N 34° 49' 6.58" W 118° 57' 6.54" to N 34° 51' 6.81" W 118° 58' 32.39"	
	VOR: CMA	Available from N 34° 49' 6.58" W 118° 57' 6.54" to N 34° 51' 6.81" W 118° 58' 32.39"	
	VOR: LHS	Available from N 34° 49' 6.58" W 118° 57' 6.54" to N 34° 51' 6.81" W 118° 58' 32.39"	
	VOR: EHF	Available from N 34° 49' 38.23" W 118° 57' 29.13" to N 34° 51' 6.81" W 118° 58' 32.39"	

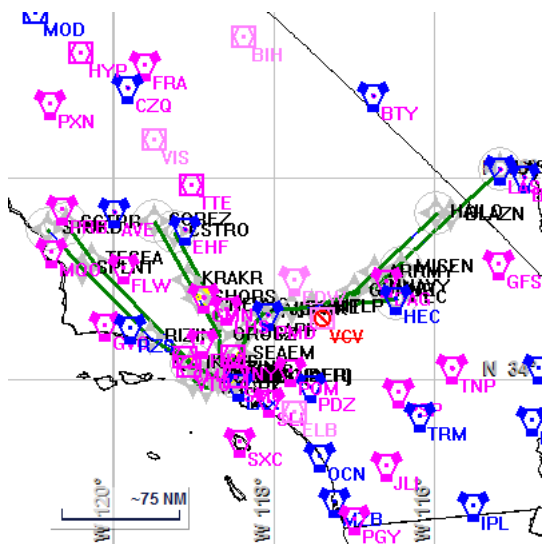
Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
DZINE	OROSZ	VTU, FIM, LAX, SLI, SMO, and VNY
OROSZ	SHORS	AVE, VTU, GMN, LHS, PMD, FIM, and LAX
SHORS	KRAKR	EHF, AVE, GMN, LHS, and PMD
KRAKR	COREZ	EHF, CZQ, AVE, GMN, LHS, PMD, FIM, FLW, and TTE

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KSMO CTRUS1 IKAYE STOKD 20150528_1200.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H	2498.0	114.50	PMD	Used
Restriction:		Bearing [True]: 160.0° to 165.0° Bearing [Mag]: 145.0° to 150.0°			Distance: Beyond 20.0 NM Altitude: Below 14500.0 Ft.		
Restriction:		Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 120.0° to 145.0°			Distance: Beyond 20.0 NM Altitude: Below 15500.0 Ft.		
ESV:		Bearing [True]: 59.0° to 109.0° Bearing [Mag]: 44.0° to 94.0°			Arc Distance: Out to 112.0 NM Altitude: 14900.0 to 22000.0 Ft.		
ESV:		Bearing [True]: 273.0° to 313.0° Bearing [Mag]: 258.0° to 298.0°			Arc Distance: Out to 68.0 NM Altitude: 7900.0 to 18000.0 Ft.		
2	BTY	N 36° 48' 2.15" W 116° 44' 51.51" 16 E	H	2927.7	114.70	BTY	Not Used
Restriction:		Bearing [True]: 341.0° to 105.0° Bearing [Mag]: 325.0° to 89.0°			Distance: Beyond 9.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 16.0° to 76.0° Bearing [Mag]: 360.0° to 60.0°			Distance: Beyond 12.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 281.0° to 321.0° Bearing [Mag]: 265.0° to 305.0°			Distance: Beyond 30.0 NM Altitude: Below 10200.0 Ft.		
Restriction:		Bearing [True]: 211.0° to 226.0° Bearing [Mag]: 195.0° to 210.0°			Distance: Beyond 33.0 NM Altitude: Below 10500.0 Ft.		
Restriction:		Bearing [True]: 321.0° to 341.0° Bearing [Mag]: 305.0° to 325.0°			Distance: Beyond 28.0 NM Altitude: Below 9000.0 Ft.		
ESV:		Bearing [True]: 121.0° to 160.0° Bearing [Mag]: 105.0° to 144.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 18000.0 Ft.		
3	EED	N 34° 45' 57.62" W 114° 28' 26.78" 15 E	H	620.0	115.20	EED	Not Used
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 30.0 NM Altitude: Below 12000.0 Ft.		
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 Ft.		
Restriction:		Bearing [True]: 115.0° to 145.0° Bearing [Mag]: 100.0° to 130.0°			Distance: Beyond 27.0 NM Altitude: Below 6600.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 235.0° Bearing [Mag]: 170.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 5800.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 295.0° Bearing [Mag]: 220.0° to 280.0°			Distance: Beyond 35.0 NM Altitude: Below 6800.0 Ft.		
ESV:		Bearing [True]: 291.0° to 336.0° Bearing [Mag]: 276.0° to 321.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
4	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L	1373.9	114.20	TNP	Not Used
Restriction:		Bearing [True]: 95.0° to 110.0° Bearing [Mag]: 80.0° to 95.0°			Distance: Beyond 30.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 50.0° to 80.0° Bearing [Mag]: 35.0° to 65.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 205.0° to 260.0° Bearing [Mag]: 190.0° to 245.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 205.0° Bearing [Mag]: 170.0° to 190.0°			Distance: Beyond 25.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 20.0° to 50.0° Bearing [Mag]: 5.0° to 35.0°			Distance: Beyond 18.0 NM Altitude: Below 6800.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 25.0 NM Altitude: Below 7500.0 Ft.		
Restriction:		Bearing [True]: 110.0° to 165.0° Bearing [Mag]: 95.0° to 150.0°			Distance: Beyond 18.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 330.0° to 345.0° Bearing [Mag]: 315.0° to 330.0°			Distance: Beyond 33.0 NM Altitude: Below 6200.0 Ft.		
Restriction:		Bearing [True]: 360.0° to 20.0° Bearing [Mag]: 345.0° to 5.0°			Distance: Beyond 35.0 NM Altitude: Below 8300.0 Ft.		
Restriction:		Bearing [True]: 165.0° to 185.0° Bearing [Mag]: 150.0° to 170.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 345.0° to 360.0° Bearing [Mag]: 330.0° to 345.0°			Distance: Beyond 20.0 NM Altitude: Below 6200.0 Ft.		
ESV:		Bearing [True]: 290.0° to 21.0° Bearing [Mag]: 275.0° to 6.0°			Arc Distance: Out to 89.0 NM Altitude: 13000.0 to 20000.0 Ft.		
5	BLD	N 35° 59' 44.84" W 114° 51' 48.88" 15 E	H	3641.9	116.70	BLD	Not Used
ESV:		Bearing [True]: 229.0° to 254.0° Bearing [Mag]: 214.0° to 239.0°			Arc Distance: Out to 71.0 NM Altitude: 15000.0 to 20000.0 Ft.		
6	LAS	N 36° 4' 46.93" W 115° 9' 35.27" 15 E	H	2135.8	116.90	LAS	Not Used
Restriction:		Bearing [True]: 40.0° to 175.0° Bearing [Mag]: 25.0° to 160.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 290.0° to 325.0° Bearing [Mag]: 275.0° to 310.0°			Distance: Beyond 35.0 NM Altitude: Below 16500.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 40.0° Bearing [Mag]: 200.0° to 25.0°			Distance: Beyond 25.0 NM Altitude: Below 11000.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 260.0° Bearing [Mag]: 220.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 15000.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 235.0° Bearing [Mag]: 200.0° to 220.0°			Distance: Beyond 15.0 NM Altitude: Below 9000.0 Ft.		
Restriction:		Bearing [True]: 275.0° to 290.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 175.0° to 215.0° Bearing [Mag]: 160.0° to 200.0°			Distance: Beyond 20.0 NM Altitude: Below 9000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
7	LHS	N 34° 40' 58.70" W 118° 34' 36.98" 15 E	L	5790.0	108.40	LHS	Used
		ESV:	Bearing [True]: 71.0° to 119.0° Bearing [Mag]: 56.0° to 104.0°		Arc Distance: Out to 94.0 NM Altitude: 10800.0 to 24000.0 Ft.		
8	PDZ	N 33° 55' 6.85" W 117° 31' 46.42" 15 E	H	1432.4	112.20	PDZ	Not Used
		Restriction:	Bearing [True]: 205.0° to 245.0° Bearing [Mag]: 190.0° to 230.0°		Distance: Beyond 0.0 NM Altitude: Below 10000.0 Ft.		
		Restriction:	Bearing [True]: 340.0° to 360.0° Bearing [Mag]: 325.0° to 345.0°		Distance: Beyond 25.0 NM Altitude: Below 11500.0 Ft.		
		Restriction:	Bearing [True]: 145.0° to 160.0° Bearing [Mag]: 130.0° to 145.0°		Distance: Beyond 25.0 NM Altitude: Below 5000.0 Ft.		
		Restriction:	Bearing [True]: 360.0° to 15.0° Bearing [Mag]: 345.0° to 360.0°		Distance: Beyond 35.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 160.0° to 205.0° Bearing [Mag]: 145.0° to 190.0°		Distance: Beyond 0.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 325.0° to 340.0° Bearing [Mag]: 310.0° to 325.0°		Distance: Beyond 35.0 NM Altitude: Below 10900.0 Ft.		
		ESV:	Bearing [True]: 7.0° to 18.0° Bearing [Mag]: 352.0° to 3.0°		Arc Distance: Out to 57.0 NM Altitude: 13000.0 to 16000.0 Ft.		
9	GMN	N 34° 48' 14.50" W 118° 51' 40.90" 16 E	L	4920.0	116.10	GMN	Used
		Restriction:	Bearing [True]: 206.0° to 236.0° Bearing [Mag]: 190.0° to 220.0°		Distance: Beyond 27.0 NM Altitude: Below 9500.0 Ft.		
		Restriction:	Bearing [True]: 296.0° to 316.0° Bearing [Mag]: 280.0° to 300.0°		Distance: Beyond 15.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 271.0° to 296.0° Bearing [Mag]: 255.0° to 280.0°		Distance: Beyond 20.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 8.0 NM Altitude: Below 13000.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 10.0 NM Altitude: Below 9999.0 Ft.		
		ESV:	Bearing [True]: 85.0° to 118.0° Bearing [Mag]: 69.0° to 102.0°		Arc Distance: Out to 89.0 NM Altitude: 10900.0 to 24000.0 Ft.		
10	VTU	N 34° 6' 53.64" W 119° 2' 56.84" 15 E	L	1560.0	108.20	VTU	Used
		Restriction:	Bearing [True]: 75.0° to 100.0° Bearing [Mag]: 60.0° to 85.0°		Distance: Beyond 10.0 NM Altitude: Below 13000.0 Ft.		
		ESV:	Bearing [True]: 44.0° to 71.0° Bearing [Mag]: 29.0° to 56.0°		Arc Distance: Out to 88.0 NM Altitude: 8000.0 to 20000.0 Ft.		
11	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H	710.0	117.10	AVE	Used
		ESV:	Bearing [True]: 97.0° to 141.0° Bearing [Mag]: 81.0° to 125.0°		Arc Distance: Out to 82.0 NM Altitude: 8400.0 to 16000.0 Ft.		

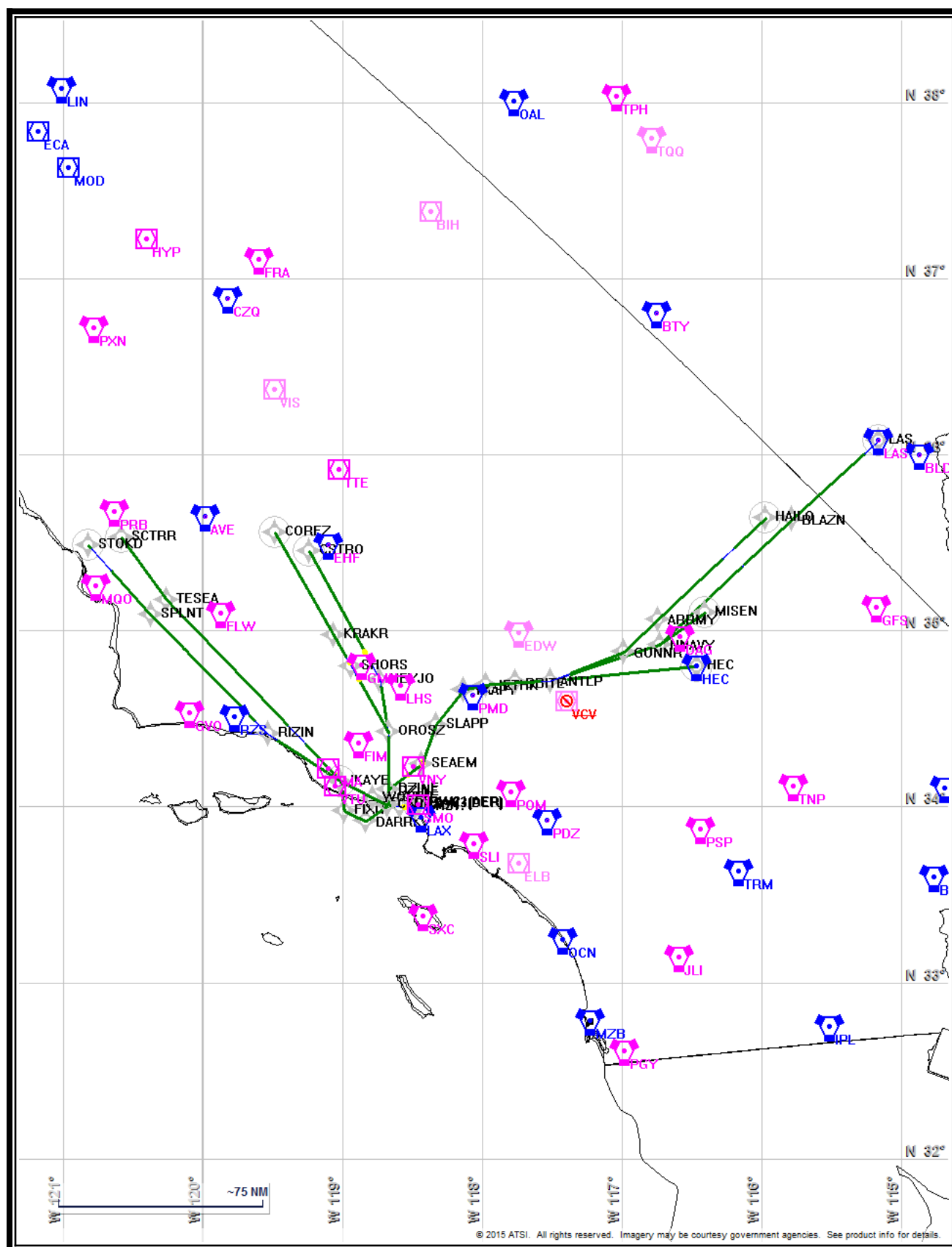
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
12	CZQ	N 36° 53' 3.56" W 119° 48' 54.52" 15 E	H	359.7	112.90	CZQ	Used
		ESV:	Bearing [True]: 159.0° to 174.0° Bearing [Mag]: 144.0° to 159.0°		Arc Distance: Out to 112.0 NM Altitude: 10900.0 to 20000.0 Ft.		
13	EHF	N 35° 29' 4.40" W 119° 5' 50.27" 14 E	H	548.1	115.40	EHF	Used
		ESV:	Bearing [True]: 189.0° to 258.0° Bearing [Mag]: 175.0° to 244.0°		Arc Distance: Out to 67.0 NM Altitude: 12000.0 to 16000.0 Ft.		



Name: Jeanette Roller
Project Name: KSMO CTRUS1
Output File: KSMO CTRUS1 SID
 OROSZ CSTRO
 20150805_0912
Procedure Name: CTRUS1
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/5/2015 9:12:58 AM
Input File: [KSMO CTRUS SID OROSZ
 CSTRO 20140930_1005.txt](#)
Databases: AIRNAV Date: 7/7/2015
 CIFP Date: 2/5/2015
 DTED® (MAX) Date: 2002

Results Summary:

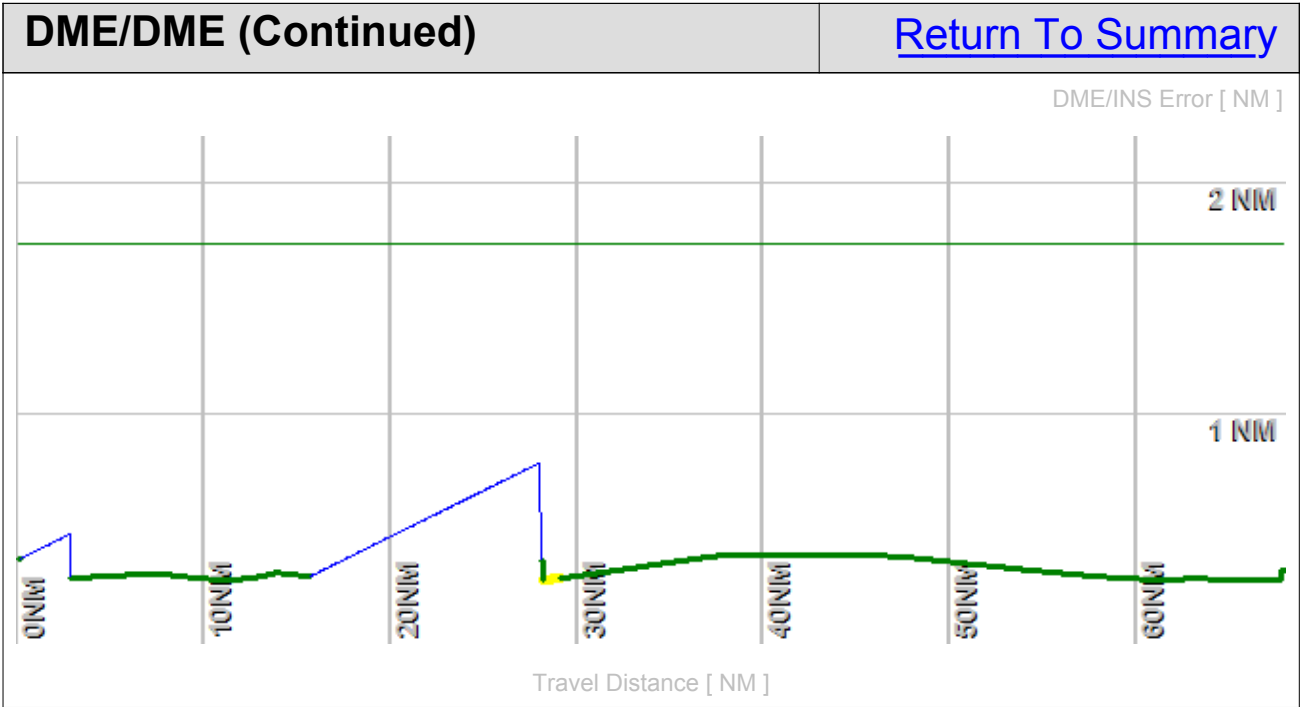
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
OROSZ	WP	N 34° 25' 36.18" W 118° 40' 27.01"	6000.0	Step	180.0	Fly By	TF
HEYJO	WP	N 34° 43' 10.33" W 118° 43' 53.04"	8000.0	VNAV	180.0	Fly By	TF
CSTRO	WP	N 35° 26' 52.66" W 119° 14' 7.00"	14000.0	VNAV	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition	
	Selected Airport: KSMO	
	Aircraft Category: Cat D	
	Climb Gradient: <i>None assigned</i>	
	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: <i>None assigned</i>	
	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		
Total Number of DMEs Used: 9		
Maximum DME Error: 0.784 NM.		
No Critical DMEs were found.		
Available DMEs: LHS, VTU, FIM, GMN, PMD, AVE, EHF, TTE, CZQ		
Disabled DMEs: VCV		



DME/DME (Continued)			Return To Summary
<i>Inertial Drift Segments</i>			
#	Start Location	End Location	Length [NM]
1	N 34° 25' 49.53" W 118° 40' 29.61"	N 34° 28' 24.46" W 118° 40' 59.79"	2.6
	VOR: LAX	Available from N 34° 25' 49.53" W 118° 40' 29.61" to N 34° 28' 24.46" W 118° 40' 59.79"	
	VOR: FIM	Available from N 34° 25' 49.53" W 118° 40' 29.61" to N 34° 28' 24.46" W 118° 40' 59.79"	
	VOR: GMN	Available from N 34° 25' 49.53" W 118° 40' 29.61" to N 34° 28' 24.46" W 118° 40' 59.79"	
	VOR: PMD	Available from N 34° 25' 49.53" W 118° 40' 29.61" to N 34° 28' 24.46" W 118° 40' 59.79"	
	VOR: VNY	Available from N 34° 25' 49.53" W 118° 40' 29.61" to N 34° 28' 24.46" W 118° 40' 59.79"	
	VOR: VTU	Available from N 34° 25' 49.53" W 118° 40' 29.61" to N 34° 28' 24.46" W 118° 40' 59.79"	
	VOR: CMA	Available from N 34° 25' 49.53" W 118° 40' 29.61" to N 34° 28' 24.46" W 118° 40' 59.79"	
	VOR: LHS	Available from N 34° 25' 49.53" W 118° 40' 29.61" to N 34° 28' 24.46" W 118° 40' 59.79"	
	VOR: SMO	Available from N 34° 25' 49.53" W 118° 40' 29.61" to N 34° 28' 24.46" W 118° 40' 59.79"	

DME/DME (Continued)			Return To Summary
<i>Inertial Drift Segments (Continued)</i>			
#	Start Location	End Location	Length [NM]
2	N 34° 41' 9.09" W 118° 43' 29.26"	N 34° 52' 6.29" W 118° 50' 0.42"	12.3
	VOR: FIM	Available from N 34° 41' 9.09" W 118° 43' 29.26" to N 34° 52' 6.29" W 118° 50' 0.42"	
	VOR: GMN	Available from N 34° 41' 9.09" W 118° 43' 29.26" to N 34° 52' 6.29" W 118° 50' 0.42"	
	VOR: PMD	Available from N 34° 41' 9.09" W 118° 43' 29.26" to N 34° 51' 22.72" W 118° 49' 30.45"	
	VOR: VNY	Available from N 34° 41' 9.09" W 118° 43' 29.26" to N 34° 50' 10.11" W 118° 48' 40.53"	
	VOR: VTU	Available from N 34° 41' 9.09" W 118° 43' 29.26" to N 34° 43' 52.37" W 118° 44' 21.37"	
	VOR: CMA	Available from N 34° 41' 9.09" W 118° 43' 29.26" to N 34° 50' 15.92" W 118° 48' 44.52"	
	VOR: LHS	Available from N 34° 41' 9.09" W 118° 43' 29.26" to N 34° 52' 6.29" W 118° 50' 0.42"	
	VOR: EHF	Available from N 34° 51' 19.82" W 118° 49' 28.46" to N 34° 52' 6.29" W 118° 50' 0.42"	

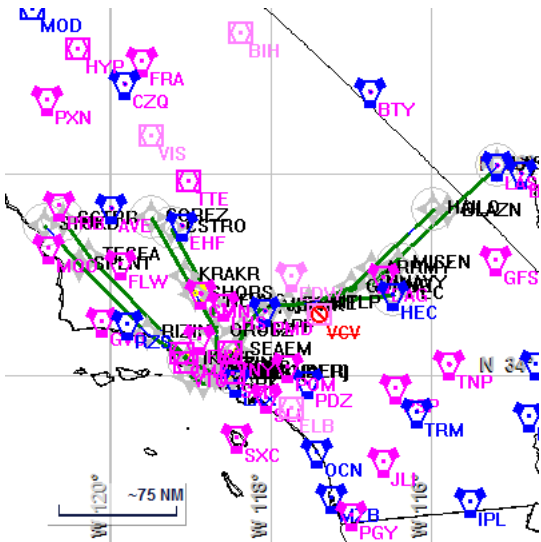
Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
OROSZ	HEYJO	VTU, GMN, LHS, PMD, and FIM
HEYJO	CSTRO	EHF, CZQ, AVE, GMN, LHS, PMD, and TTE

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KSMO CTRUS1 IKAYE STOKD 20150528_1200.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H	2498.0	114.50	PMD	Used
Restriction:		Bearing [True]: 160.0° to 165.0° Bearing [Mag]: 145.0° to 150.0°			Distance: Beyond 20.0 NM Altitude: Below 14500.0 Ft.		
Restriction:		Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 120.0° to 145.0°			Distance: Beyond 20.0 NM Altitude: Below 15500.0 Ft.		
ESV:		Bearing [True]: 59.0° to 109.0° Bearing [Mag]: 44.0° to 94.0°			Arc Distance: Out to 112.0 NM Altitude: 14900.0 to 22000.0 Ft.		
ESV:		Bearing [True]: 273.0° to 313.0° Bearing [Mag]: 258.0° to 298.0°			Arc Distance: Out to 68.0 NM Altitude: 7900.0 to 18000.0 Ft.		
2	BTY	N 36° 48' 2.15" W 116° 44' 51.51" 16 E	H	2927.7	114.70	BTY	Not Used
Restriction:		Bearing [True]: 341.0° to 105.0° Bearing [Mag]: 325.0° to 89.0°			Distance: Beyond 9.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 16.0° to 76.0° Bearing [Mag]: 360.0° to 60.0°			Distance: Beyond 12.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 281.0° to 321.0° Bearing [Mag]: 265.0° to 305.0°			Distance: Beyond 30.0 NM Altitude: Below 10200.0 Ft.		
Restriction:		Bearing [True]: 211.0° to 226.0° Bearing [Mag]: 195.0° to 210.0°			Distance: Beyond 33.0 NM Altitude: Below 10500.0 Ft.		
Restriction:		Bearing [True]: 321.0° to 341.0° Bearing [Mag]: 305.0° to 325.0°			Distance: Beyond 28.0 NM Altitude: Below 9000.0 Ft.		
ESV:		Bearing [True]: 121.0° to 160.0° Bearing [Mag]: 105.0° to 144.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 18000.0 Ft.		
3	EED	N 34° 45' 57.62" W 114° 28' 26.78" 15 E	H	620.0	115.20	EED	Not Used
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 30.0 NM Altitude: Below 12000.0 Ft.		
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 Ft.		
Restriction:		Bearing [True]: 115.0° to 145.0° Bearing [Mag]: 100.0° to 130.0°			Distance: Beyond 27.0 NM Altitude: Below 6600.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 235.0° Bearing [Mag]: 170.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 5800.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 295.0° Bearing [Mag]: 220.0° to 280.0°			Distance: Beyond 35.0 NM Altitude: Below 6800.0 Ft.		
ESV:		Bearing [True]: 291.0° to 336.0° Bearing [Mag]: 276.0° to 321.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
4	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L	1373.9	114.20	TNP	Not Used
Restriction:		Bearing [True]: 95.0° to 110.0° Bearing [Mag]: 80.0° to 95.0°			Distance: Beyond 30.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 50.0° to 80.0° Bearing [Mag]: 35.0° to 65.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 205.0° to 260.0° Bearing [Mag]: 190.0° to 245.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 205.0° Bearing [Mag]: 170.0° to 190.0°			Distance: Beyond 25.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 20.0° to 50.0° Bearing [Mag]: 5.0° to 35.0°			Distance: Beyond 18.0 NM Altitude: Below 6800.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 25.0 NM Altitude: Below 7500.0 Ft.		
Restriction:		Bearing [True]: 110.0° to 165.0° Bearing [Mag]: 95.0° to 150.0°			Distance: Beyond 18.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 330.0° to 345.0° Bearing [Mag]: 315.0° to 330.0°			Distance: Beyond 33.0 NM Altitude: Below 6200.0 Ft.		
Restriction:		Bearing [True]: 360.0° to 20.0° Bearing [Mag]: 345.0° to 5.0°			Distance: Beyond 35.0 NM Altitude: Below 8300.0 Ft.		
Restriction:		Bearing [True]: 165.0° to 185.0° Bearing [Mag]: 150.0° to 170.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 345.0° to 360.0° Bearing [Mag]: 330.0° to 345.0°			Distance: Beyond 20.0 NM Altitude: Below 6200.0 Ft.		
ESV:		Bearing [True]: 290.0° to 21.0° Bearing [Mag]: 275.0° to 6.0°			Arc Distance: Out to 89.0 NM Altitude: 13000.0 to 20000.0 Ft.		
5	BLD	N 35° 59' 44.84" W 114° 51' 48.88" 15 E	H	3641.9	116.70	BLD	Not Used
ESV:		Bearing [True]: 229.0° to 254.0° Bearing [Mag]: 214.0° to 239.0°			Arc Distance: Out to 71.0 NM Altitude: 15000.0 to 20000.0 Ft.		
6	LAS	N 36° 4' 46.93" W 115° 9' 35.27" 15 E	H	2135.8	116.90	LAS	Not Used
Restriction:		Bearing [True]: 40.0° to 175.0° Bearing [Mag]: 25.0° to 160.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 290.0° to 325.0° Bearing [Mag]: 275.0° to 310.0°			Distance: Beyond 35.0 NM Altitude: Below 16500.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 40.0° Bearing [Mag]: 200.0° to 25.0°			Distance: Beyond 25.0 NM Altitude: Below 11000.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 260.0° Bearing [Mag]: 220.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 15000.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 235.0° Bearing [Mag]: 200.0° to 220.0°			Distance: Beyond 15.0 NM Altitude: Below 9000.0 Ft.		
Restriction:		Bearing [True]: 275.0° to 290.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 175.0° to 215.0° Bearing [Mag]: 160.0° to 200.0°			Distance: Beyond 20.0 NM Altitude: Below 9000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
7	LHS	N 34° 40' 58.70" W 118° 34' 36.98" 15 E	L	5790.0	108.40	LHS	Used
		ESV:	Bearing [True]: 71.0° to 119.0° Bearing [Mag]: 56.0° to 104.0°		Arc Distance: Out to 94.0 NM Altitude: 10800.0 to 24000.0 Ft.		
8	PDZ	N 33° 55' 6.85" W 117° 31' 46.42" 15 E	H	1432.4	112.20	PDZ	Not Used
		Restriction:	Bearing [True]: 205.0° to 245.0° Bearing [Mag]: 190.0° to 230.0°		Distance: Beyond 0.0 NM Altitude: Below 10000.0 Ft.		
		Restriction:	Bearing [True]: 340.0° to 360.0° Bearing [Mag]: 325.0° to 345.0°		Distance: Beyond 25.0 NM Altitude: Below 11500.0 Ft.		
		Restriction:	Bearing [True]: 145.0° to 160.0° Bearing [Mag]: 130.0° to 145.0°		Distance: Beyond 25.0 NM Altitude: Below 5000.0 Ft.		
		Restriction:	Bearing [True]: 360.0° to 15.0° Bearing [Mag]: 345.0° to 360.0°		Distance: Beyond 35.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 160.0° to 205.0° Bearing [Mag]: 145.0° to 190.0°		Distance: Beyond 0.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 325.0° to 340.0° Bearing [Mag]: 310.0° to 325.0°		Distance: Beyond 35.0 NM Altitude: Below 10900.0 Ft.		
		ESV:	Bearing [True]: 7.0° to 18.0° Bearing [Mag]: 352.0° to 3.0°		Arc Distance: Out to 57.0 NM Altitude: 13000.0 to 16000.0 Ft.		
9	GMN	N 34° 48' 14.50" W 118° 51' 40.90" 16 E	L	4920.0	116.10	GMN	Used
		Restriction:	Bearing [True]: 206.0° to 236.0° Bearing [Mag]: 190.0° to 220.0°		Distance: Beyond 27.0 NM Altitude: Below 9500.0 Ft.		
		Restriction:	Bearing [True]: 296.0° to 316.0° Bearing [Mag]: 280.0° to 300.0°		Distance: Beyond 15.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 271.0° to 296.0° Bearing [Mag]: 255.0° to 280.0°		Distance: Beyond 20.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 8.0 NM Altitude: Below 13000.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 10.0 NM Altitude: Below 9999.0 Ft.		
		ESV:	Bearing [True]: 85.0° to 118.0° Bearing [Mag]: 69.0° to 102.0°		Arc Distance: Out to 89.0 NM Altitude: 10900.0 to 24000.0 Ft.		
10	VTU	N 34° 6' 53.64" W 119° 2' 56.84" 15 E	L	1560.0	108.20	VTU	Used
		Restriction:	Bearing [True]: 75.0° to 100.0° Bearing [Mag]: 60.0° to 85.0°		Distance: Beyond 10.0 NM Altitude: Below 13000.0 Ft.		
		ESV:	Bearing [True]: 44.0° to 71.0° Bearing [Mag]: 29.0° to 56.0°		Arc Distance: Out to 88.0 NM Altitude: 8000.0 to 20000.0 Ft.		
11	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H	710.0	117.10	AVE	Used
		ESV:	Bearing [True]: 97.0° to 141.0° Bearing [Mag]: 81.0° to 125.0°		Arc Distance: Out to 82.0 NM Altitude: 8400.0 to 16000.0 Ft.		

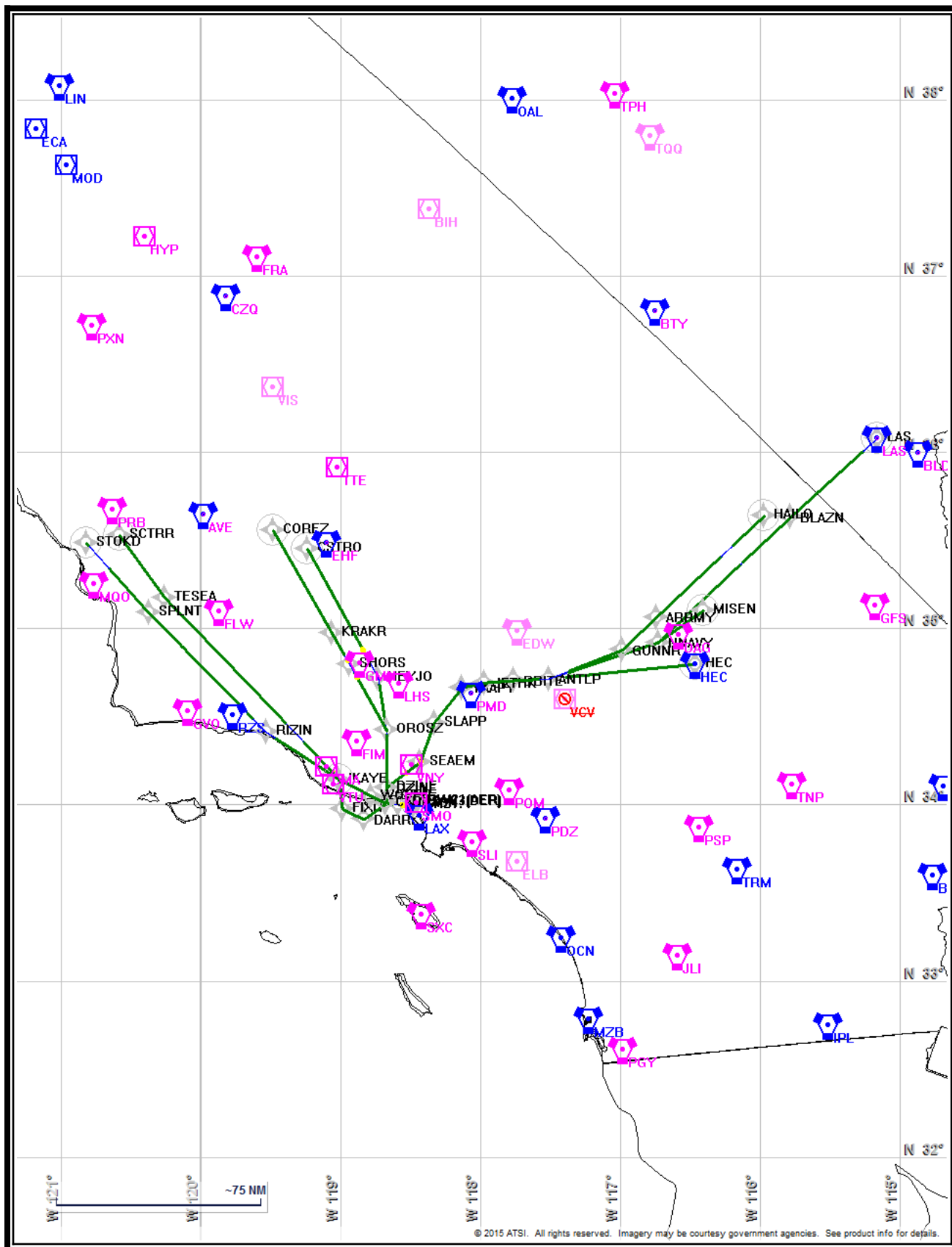
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
12	CZQ	N 36° 53' 3.56" W 119° 48' 54.52" 15 E	H	359.7	112.90	CZQ	Used
		ESV:	Bearing [True]: 159.0° to 174.0° Bearing [Mag]: 144.0° to 159.0°		Arc Distance: Out to 112.0 NM Altitude: 10900.0 to 20000.0 Ft.		
13	EHF	N 35° 29' 4.40" W 119° 5' 50.27" 14 E	H	548.1	115.40	EHF	Used
		ESV:	Bearing [True]: 189.0° to 258.0° Bearing [Mag]: 175.0° to 244.0°		Arc Distance: Out to 67.0 NM Altitude: 12000.0 to 16000.0 Ft.		



Name:	Jeanette Roller
Project Name:	KSMO CTRUS1
Output File:	KSMO CTRUS1 SID JETHK HAILO 20150805_0917
Procedure Name:	CTRUS1
Software:	RNAV-Pro™
Version:	2.38
Date/Time:	8/5/2015 9:18:01 AM
Input File:	CTRUS JETHK HAILO 20140930_1002.txt
Databases:	AIRNAV Date: 7/7/2015 CIFP Date: 2/5/2015 DTED® (MAX) Date: 2002

Results Summary:

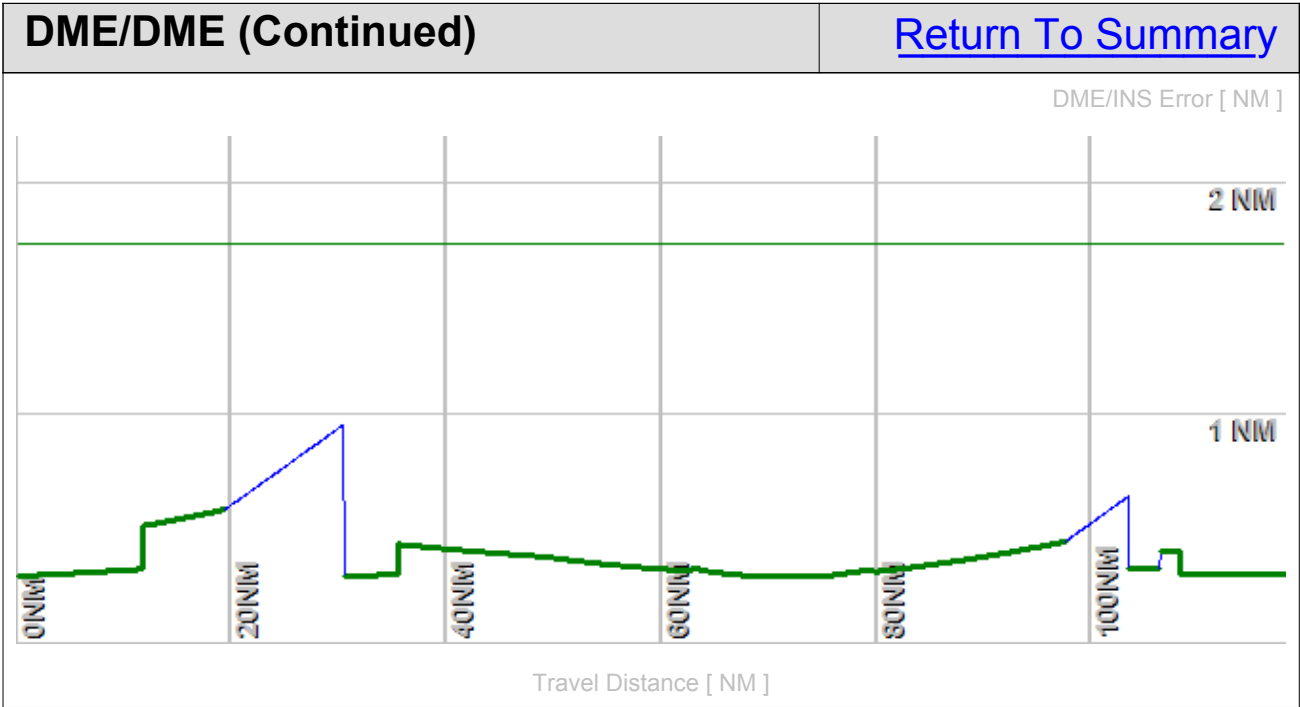
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
JETHK	WP	N 34° 41' 29.87" W 117° 58' 19.35"	15000.0	VNAV	210.0	Fly By	TF
BBITE	WP	N 34° 42' 16.22" W 117° 45' 30.87"	15000.0	VNAV	210.0	Fly By	TF
ANTLP	WP	N 34° 42' 51.26" W 117° 30' 29.82"	15000.0	Step	210.0	Fly By	TF
GUNNR	WP	N 34° 52' 37.00" W 116° 59' 13.00"	15000.0	VNAV	210.0	Fly By	TF
ARMY	WP	N 35° 3' 48.00" W 116° 44' 24.00"	15000.0	VNAV	210.0	Fly By	TF
HAILO	WP	N 35° 38' 14.00" W 115° 58' 16.00"	15000.0	VNAV	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition	
	Selected Airport: KSMO	
	Aircraft Category: Cat D	
	Climb Gradient: <i>None assigned</i>	
	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: <i>None assigned</i> 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		
Total Number of DMEs Used: 11		
Maximum DME Error: 0.951 NM.		
No Critical DMEs were found.		
Available DMEs: PMD, LHS, GMN, VTU, LAX, PDZ, DAG, TNP, HEC, EED, BLD, BTY		
Disabled DMEs: VCV		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	GMN	N 34° 48' 14.50" W 118° 51' 40.90" 16 E	L + ESV	User	NO	0.982	Enabled	20.7%	20.7%
2	LAX	N 33° 56' 0.31" W 118° 25' 56.75" 15 E	H	Database	NO	0.951	Enabled	9.9%	9.9%
3	VTU	N 34° 6' 53.64" W 119° 2' 56.84" 15 E	L + ESV	User	NO	0.949	Enabled	6.5%	6.5%
4	PDZ	N 33° 55' 6.85" W 117° 31' 46.42" 15 E	H + ESV	User	NO	1.057	Enabled	4.2%	4.2%
5	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L + ESV	User	NO	0.951	Enabled	25.4%	25.4%
6	DAG	N 34° 57' 44.85" W 116° 34' 41.40" 15 E	L	Database	NO	0.951	Enabled	15.0%	15.0%
7	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H + ESV	User	NO	1.652	Enabled	41.6%	41.6%
8	HEC	N 34° 47' 49.26" W 116° 27' 46.52" 15 E	H	Database	NO	0.951	Enabled	25.6%	25.6%
9	EED	N 34° 45' 57.62" W 114° 28' 26.78" 15 E	H + ESV	User	NO	0.951	Enabled	4.0%	4.0%
10	BLD	N 35° 59' 44.84" W 114° 51' 48.88" 15 E	H + ESV	User	NO	0.951	Enabled	9.9%	9.9%
11	BTY	N 36° 48' 2.15" W 116° 44' 51.51" 16 E	H + ESV	User	NO	0.951	Enabled	8.4%	8.4%
	Total Coverage							85.6%	85.6%
Inertial Drift Segments									
#	Start Location			End Location				Length [NM]	
1	N 34° 42' 41.60" W 117° 34' 45.36"			N 34° 45' 31.25" W 117° 21' 59.59"				11.0	
VOR: EDW				Available from N 34° 42' 41.60" W 117° 34' 45.36" to N 34° 45' 31.25" W 117° 21' 59.59"					
VOR: PMD				Available from N 34° 42' 41.60" W 117° 34' 45.36" to N 34° 45' 31.25" W 117° 21' 59.59"					
VOR: VCV				Available from N 34° 42' 41.60" W 117° 34' 45.36" to N 34° 45' 31.25" W 117° 21' 59.59"					
VOR: POM				Available from N 34° 42' 41.60" W 117° 34' 45.36" to N 34° 42' 47.32" W 117° 32' 14.99"					

DME/DME (Continued)			Return To Summary
<i>Inertial Drift Segments (Continued)</i>			
#	Start Location	End Location	Length [NM]
2	N 35° 24' 27.81" W 116° 16' 50.66"	N 35° 28' 22.21" W 116° 11' 35.47"	5.8
	VOR: DAG Available from N 35° 24' 27.81" W 116° 16' 50.66" to N 35° 28' 22.21" W 116° 11' 35.47"		
	VOR: HEC Available from N 35° 24' 27.81" W 116° 16' 50.66" to N 35° 26' 18.30" W 116° 14' 22.18"		
3	N 35° 30' 23.37" W 116° 8' 52.24"	N 35° 30' 23.37" W 116° 8' 52.24"	0.0
	VOR: DAG Available from N 35° 30' 23.37" W 116° 8' 52.24" to N 35° 30' 23.37" W 116° 8' 52.24"		

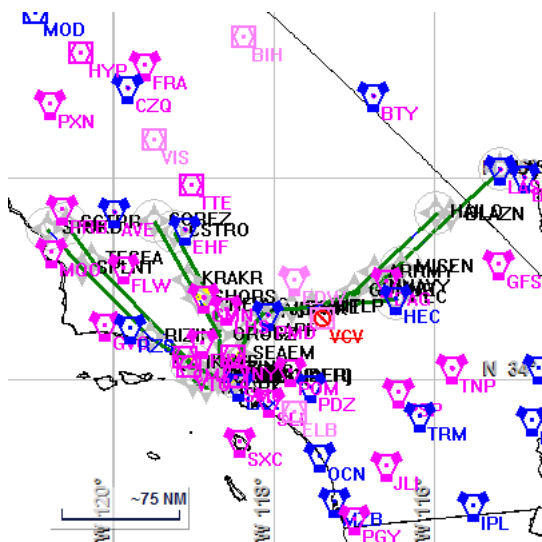
Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
JETHK	BBITE	VTU, GMN, LHS, PMD, and LAX
BBITE	ANTLP	VTU, GMN, LHS, PMD, and LAX
ANTLP	GUNNR	VTU, GMN, PDZ, LHS, TNP, PMD, DAG, and HEC
GUNNR	ARMY	LHS, TNP, PMD, DAG, and HEC
ARMY	HAILO	BLD, TNP, EED, BTY, PMD, DAG, and HEC

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KSMO CTRUS1 IKAYE STOKD 20150528_1200.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H	2498.0	114.50	PMD	Used
Restriction:		Bearing [True]: 160.0° to 165.0° Bearing [Mag]: 145.0° to 150.0°			Distance: Beyond 20.0 NM Altitude: Below 14500.0 Ft.		
Restriction:		Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 120.0° to 145.0°			Distance: Beyond 20.0 NM Altitude: Below 15500.0 Ft.		
ESV:		Bearing [True]: 59.0° to 109.0° Bearing [Mag]: 44.0° to 94.0°			Arc Distance: Out to 112.0 NM Altitude: 14900.0 to 22000.0 Ft.		
ESV:		Bearing [True]: 273.0° to 313.0° Bearing [Mag]: 258.0° to 298.0°			Arc Distance: Out to 68.0 NM Altitude: 7900.0 to 18000.0 Ft.		
2	BTY	N 36° 48' 2.15" W 116° 44' 51.51" 16 E	H	2927.7	114.70	BTY	Used
Restriction:		Bearing [True]: 341.0° to 105.0° Bearing [Mag]: 325.0° to 89.0°			Distance: Beyond 9.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 16.0° to 76.0° Bearing [Mag]: 360.0° to 60.0°			Distance: Beyond 12.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 281.0° to 321.0° Bearing [Mag]: 265.0° to 305.0°			Distance: Beyond 30.0 NM Altitude: Below 10200.0 Ft.		
Restriction:		Bearing [True]: 211.0° to 226.0° Bearing [Mag]: 195.0° to 210.0°			Distance: Beyond 33.0 NM Altitude: Below 10500.0 Ft.		
Restriction:		Bearing [True]: 321.0° to 341.0° Bearing [Mag]: 305.0° to 325.0°			Distance: Beyond 28.0 NM Altitude: Below 9000.0 Ft.		
ESV:		Bearing [True]: 121.0° to 160.0° Bearing [Mag]: 105.0° to 144.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 18000.0 Ft.		
3	EED	N 34° 45' 57.62" W 114° 28' 26.78" 15 E	H	620.0	115.20	EED	Used
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 30.0 NM Altitude: Below 12000.0 Ft.		
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 Ft.		
Restriction:		Bearing [True]: 115.0° to 145.0° Bearing [Mag]: 100.0° to 130.0°			Distance: Beyond 27.0 NM Altitude: Below 6600.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 235.0° Bearing [Mag]: 170.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 5800.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 295.0° Bearing [Mag]: 220.0° to 280.0°			Distance: Beyond 35.0 NM Altitude: Below 6800.0 Ft.		
ESV:		Bearing [True]: 291.0° to 336.0° Bearing [Mag]: 276.0° to 321.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
4	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L	1373.9	114.20	TNP	Used
Restriction:		Bearing [True]: 95.0° to 110.0° Bearing [Mag]: 80.0° to 95.0°			Distance: Beyond 30.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 50.0° to 80.0° Bearing [Mag]: 35.0° to 65.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 205.0° to 260.0° Bearing [Mag]: 190.0° to 245.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 205.0° Bearing [Mag]: 170.0° to 190.0°			Distance: Beyond 25.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 20.0° to 50.0° Bearing [Mag]: 5.0° to 35.0°			Distance: Beyond 18.0 NM Altitude: Below 6800.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 25.0 NM Altitude: Below 7500.0 Ft.		
Restriction:		Bearing [True]: 110.0° to 165.0° Bearing [Mag]: 95.0° to 150.0°			Distance: Beyond 18.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 330.0° to 345.0° Bearing [Mag]: 315.0° to 330.0°			Distance: Beyond 33.0 NM Altitude: Below 6200.0 Ft.		
Restriction:		Bearing [True]: 360.0° to 20.0° Bearing [Mag]: 345.0° to 5.0°			Distance: Beyond 35.0 NM Altitude: Below 8300.0 Ft.		
Restriction:		Bearing [True]: 165.0° to 185.0° Bearing [Mag]: 150.0° to 170.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 345.0° to 360.0° Bearing [Mag]: 330.0° to 345.0°			Distance: Beyond 20.0 NM Altitude: Below 6200.0 Ft.		
ESV:		Bearing [True]: 290.0° to 21.0° Bearing [Mag]: 275.0° to 6.0°			Arc Distance: Out to 89.0 NM Altitude: 13000.0 to 20000.0 Ft.		
5	BLD	N 35° 59' 44.84" W 114° 51' 48.88" 15 E	H	3641.9	116.70	BLD	Used
ESV:		Bearing [True]: 229.0° to 254.0° Bearing [Mag]: 214.0° to 239.0°			Arc Distance: Out to 71.0 NM Altitude: 15000.0 to 20000.0 Ft.		
6	LAS	N 36° 4' 46.93" W 115° 9' 35.27" 15 E	H	2135.8	116.90	LAS	Not Used
Restriction:		Bearing [True]: 40.0° to 175.0° Bearing [Mag]: 25.0° to 160.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 290.0° to 325.0° Bearing [Mag]: 275.0° to 310.0°			Distance: Beyond 35.0 NM Altitude: Below 16500.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 40.0° Bearing [Mag]: 200.0° to 25.0°			Distance: Beyond 25.0 NM Altitude: Below 11000.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 260.0° Bearing [Mag]: 220.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 15000.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 235.0° Bearing [Mag]: 200.0° to 220.0°			Distance: Beyond 15.0 NM Altitude: Below 9000.0 Ft.		
Restriction:		Bearing [True]: 275.0° to 290.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 175.0° to 215.0° Bearing [Mag]: 160.0° to 200.0°			Distance: Beyond 20.0 NM Altitude: Below 9000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
7	LHS	N 34° 40' 58.70" W 118° 34' 36.98" 15 E	L	5790.0	108.40	LHS	Not Used
		ESV:	Bearing [True]: 71.0° to 119.0° Bearing [Mag]: 56.0° to 104.0°		Arc Distance: Out to 94.0 NM Altitude: 10800.0 to 24000.0 Ft.		
8	PDZ	N 33° 55' 6.85" W 117° 31' 46.42" 15 E	H	1432.4	112.20	PDZ	Used
		Restriction:	Bearing [True]: 205.0° to 245.0° Bearing [Mag]: 190.0° to 230.0°		Distance: Beyond 0.0 NM Altitude: Below 10000.0 Ft.		
		Restriction:	Bearing [True]: 340.0° to 360.0° Bearing [Mag]: 325.0° to 345.0°		Distance: Beyond 25.0 NM Altitude: Below 11500.0 Ft.		
		Restriction:	Bearing [True]: 145.0° to 160.0° Bearing [Mag]: 130.0° to 145.0°		Distance: Beyond 25.0 NM Altitude: Below 5000.0 Ft.		
		Restriction:	Bearing [True]: 360.0° to 15.0° Bearing [Mag]: 345.0° to 360.0°		Distance: Beyond 35.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 160.0° to 205.0° Bearing [Mag]: 145.0° to 190.0°		Distance: Beyond 0.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 325.0° to 340.0° Bearing [Mag]: 310.0° to 325.0°		Distance: Beyond 35.0 NM Altitude: Below 10900.0 Ft.		
		ESV:	Bearing [True]: 7.0° to 18.0° Bearing [Mag]: 352.0° to 3.0°		Arc Distance: Out to 57.0 NM Altitude: 13000.0 to 16000.0 Ft.		
9	GMN	N 34° 48' 14.50" W 118° 51' 40.90" 16 E	L	4920.0	116.10	GMN	Used
		Restriction:	Bearing [True]: 206.0° to 236.0° Bearing [Mag]: 190.0° to 220.0°		Distance: Beyond 27.0 NM Altitude: Below 9500.0 Ft.		
		Restriction:	Bearing [True]: 296.0° to 316.0° Bearing [Mag]: 280.0° to 300.0°		Distance: Beyond 15.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 271.0° to 296.0° Bearing [Mag]: 255.0° to 280.0°		Distance: Beyond 20.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 8.0 NM Altitude: Below 13000.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 10.0 NM Altitude: Below 9999.0 Ft.		
		ESV:	Bearing [True]: 85.0° to 118.0° Bearing [Mag]: 69.0° to 102.0°		Arc Distance: Out to 89.0 NM Altitude: 10900.0 to 24000.0 Ft.		
10	VTU	N 34° 6' 53.64" W 119° 2' 56.84" 15 E	L	1560.0	108.20	VTU	Used
		Restriction:	Bearing [True]: 75.0° to 100.0° Bearing [Mag]: 60.0° to 85.0°		Distance: Beyond 10.0 NM Altitude: Below 13000.0 Ft.		
		ESV:	Bearing [True]: 44.0° to 71.0° Bearing [Mag]: 29.0° to 56.0°		Arc Distance: Out to 88.0 NM Altitude: 8000.0 to 20000.0 Ft.		
11	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H	710.0	117.10	AVE	Not Used
		ESV:	Bearing [True]: 97.0° to 141.0° Bearing [Mag]: 81.0° to 125.0°		Arc Distance: Out to 82.0 NM Altitude: 8400.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
12	CZQ	N 36° 53' 3.56" W 119° 48' 54.52" 15 E	H	359.7	112.90	CZQ	Not Used
		ESV:	Bearing [True]: 159.0° to 174.0° Bearing [Mag]: 144.0° to 159.0°		Arc Distance: Out to 112.0 NM Altitude: 10900.0 to 20000.0 Ft.		
13	EHF	N 35° 29' 4.40" W 119° 5' 50.27" 14 E	H	548.1	115.40	EHF	Not Used
		ESV:	Bearing [True]: 189.0° to 258.0° Bearing [Mag]: 175.0° to 244.0°		Arc Distance: Out to 67.0 NM Altitude: 12000.0 to 16000.0 Ft.		



Name: Jeanette Roller
Project Name: KSMO CTRUS1
Output File: KSMO CTRUS1 SID
JETHK HEC
20150805_0916
Procedure Name: CTRUS1
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/5/2015 9:16:35 AM
Input File: CTRUS JETHK HEC
20140930_1003.txt
Databases: AIRNAV Date: 7/7/2015
CIFP Date: 2/5/2015
DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

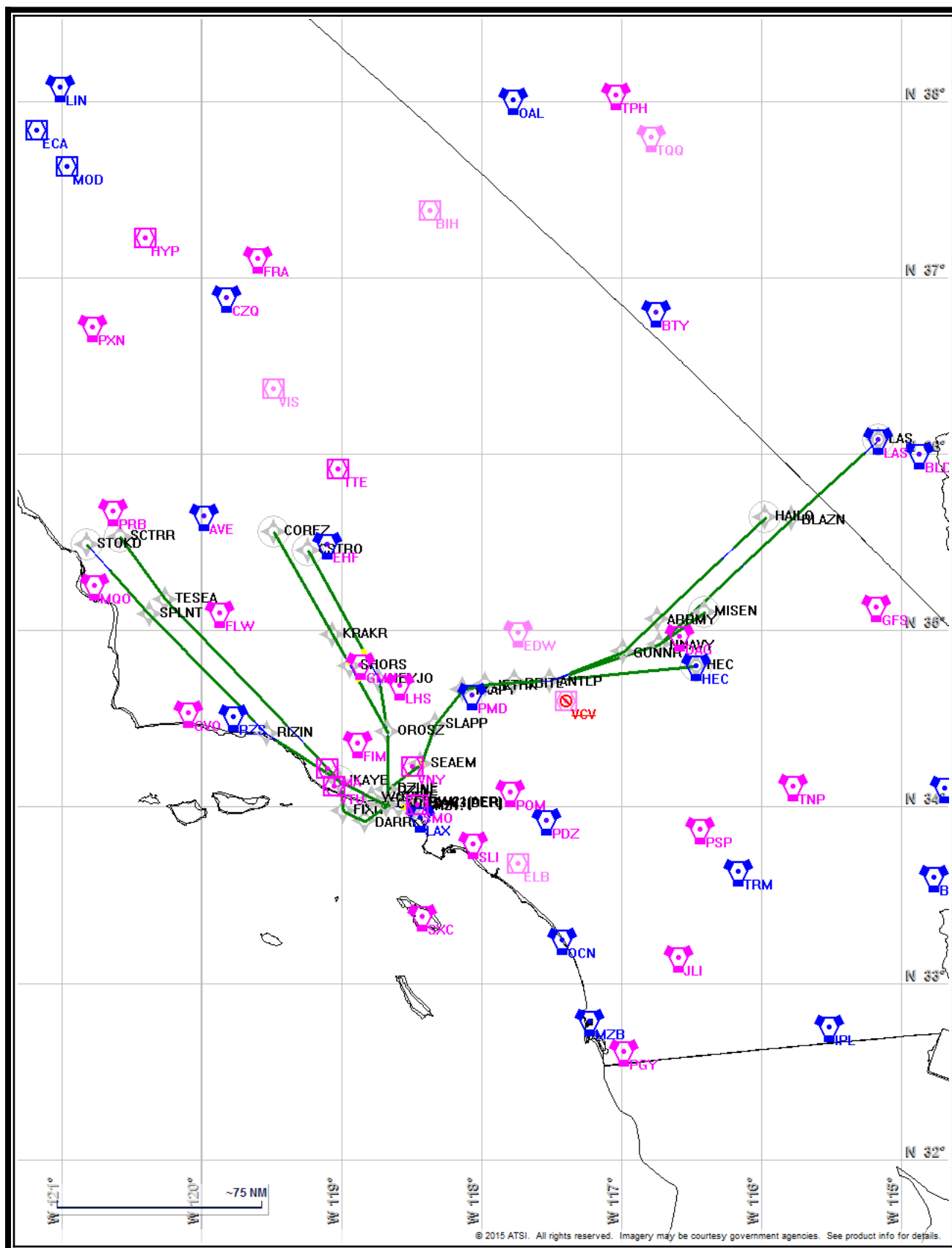


Comms



TERPS

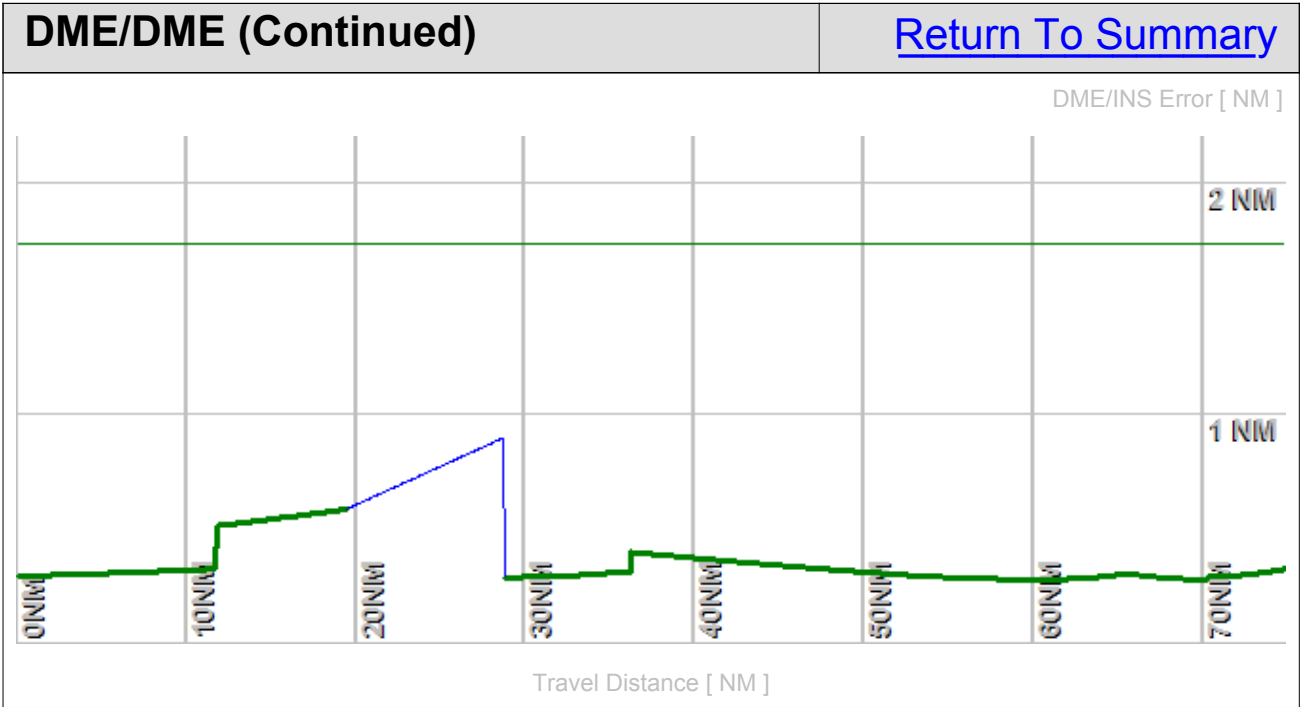




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
JETHK	WP	N 34° 41' 29.87" W 117° 58' 19.35"	15000.0	VNAV	210.0	Fly By	TF
BBITE	WP	N 34° 42' 16.22" W 117° 45' 30.87"	15000.0	VNAV	210.0	Fly By	TF
ANTLP	WP	N 34° 42' 51.26" W 117° 30' 29.82"	15000.0	Step	210.0	Fly By	TF
HEC	WP	N 34° 47' 49.26" W 116° 27' 46.52"	15000.0	VNAV	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition	
	Selected Airport: KSMO	
	Aircraft Category: Cat D	
	Climb Gradient: <i>None assigned</i>	
	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: <i>None assigned</i>	
	Descent During a Turn: Allowed	
	VNAV Mode: Flight Plan	
Entire track is fly-able		

DME/DME		Return To Summary
Settings:	<div>RNP: 2.0</div> <div>Flight Mode: Manual</div> <div>Line of Sight (DTED Level 0 Max): Evaluated</div> <div>DME Restrictions: Evaluated</div> <div>Inertial Drift: Enabled</div> <div>Initial Drift: 0.558 NM</div> <div>INS Drift Rate: 8.000 NM/Hour</div> <div>Range Mode: OSV</div> <div>Co-Frequencies: Evaluated</div> <div>RNP Edges: Evaluated</div> <div>Min DME Range: 3.0 NM</div> <div>Allowed Gap Length: 4.0 NM</div> <div>DME Types: VOR/DME, VORTAC, and User</div> <div>DME Include Angles: 30 to 150</div> <div>Critical DMEs: Allowed</div> <div>DoD Facilities: Not included</div> <div>Foreign Facilities: Not included</div> <div>Low & Terminal DMEs: Included</div>	
<div>Total Number of DMEs Used: 8</div> <div>Maximum DME Error: 0.893 NM.</div> <div>No Critical DMEs were found.</div> <div>Available DMEs: PMD, LHS, GMN, VTU, LAX, PDZ, TNP, DAG, HEC</div> <div>Disabled DMEs: VCV</div>		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	GMN	N 34° 48' 14.50" W 118° 51' 40.90" 16 E	L + ESV	User	NO	0.924	Enabled	33.9%	33.9%
2	LAX	N 33° 56' 0.31" W 118° 25' 56.75" 15 E	H	Database	NO	0.893	Enabled	15.7%	15.7%
3	VTU	N 34° 6' 53.64" W 119° 2' 56.84" 15 E	L + ESV	User	NO	0.891	Enabled	10.2%	10.2%
4	PDZ	N 33° 55' 6.85" W 117° 31' 46.42" 15 E	H + ESV	User	NO	1.028	Enabled	10.0%	10.0%
5	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L + ESV	User	NO	0.893	Enabled	41.1%	41.1%
6	DAG	N 34° 57' 44.85" W 116° 34' 41.40" 15 E	L	Database	NO	0.893	Enabled	51.6%	51.6%
7	HEC	N 34° 47' 49.26" W 116° 27' 46.52" 15 E	H	Database	NO	0.893	Enabled	6.3%	6.3%
8	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H + ESV	User	NO	0.893	Enabled	6.1%	6.1%
	Total Coverage							87.5%	87.5%
Inertial Drift Segments									
#	Start Location			End Location				Length [NM]	
1	N 34° 42' 41.60" W 117° 34' 45.36"			N 34° 43' 25.40" W 117° 23' 33.09"				9.3	
VOR: EDW			Available from N 34° 42' 41.60" W 117° 34' 45.36" to N 34° 43' 25.40" W 117° 23' 33.09"						
VOR: PMD			Available from N 34° 42' 41.60" W 117° 34' 45.36" to N 34° 43' 25.40" W 117° 23' 33.09"						
VOR: VCV			Available from N 34° 42' 41.60" W 117° 34' 45.36" to N 34° 43' 25.40" W 117° 23' 33.09"						
VOR: POM			Available from N 34° 42' 41.60" W 117° 34' 45.36" to N 34° 42' 47.32" W 117° 32' 14.99"						

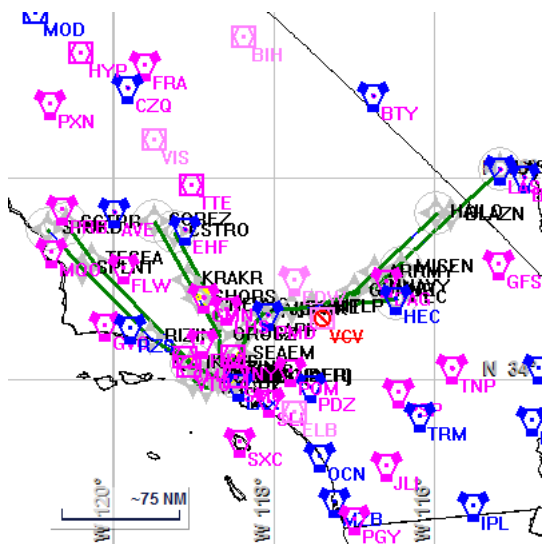
Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
JETHK	BBITE	VTU, GMN, LHS, PMD, and LAX
BBITE	ANTLP	VTU, GMN, LHS, PMD, and LAX
ANTLP	HEC	VTU, GMN, PDZ, LHS, TNP, PMD, DAG, and HEC

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KSMO CTRUS1 IKAYE STOKD 20150528_1200.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H	2498.0	114.50	PMD	Used
Restriction:		Bearing [True]: 160.0° to 165.0° Bearing [Mag]: 145.0° to 150.0°			Distance: Beyond 20.0 NM Altitude: Below 14500.0 Ft.		
Restriction:		Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 120.0° to 145.0°			Distance: Beyond 20.0 NM Altitude: Below 15500.0 Ft.		
ESV:		Bearing [True]: 59.0° to 109.0° Bearing [Mag]: 44.0° to 94.0°			Arc Distance: Out to 112.0 NM Altitude: 14900.0 to 22000.0 Ft.		
ESV:		Bearing [True]: 273.0° to 313.0° Bearing [Mag]: 258.0° to 298.0°			Arc Distance: Out to 68.0 NM Altitude: 7900.0 to 18000.0 Ft.		
2	BTY	N 36° 48' 2.15" W 116° 44' 51.51" 16 E	H	2927.7	114.70	BTY	Not Used
Restriction:		Bearing [True]: 341.0° to 105.0° Bearing [Mag]: 325.0° to 89.0°			Distance: Beyond 9.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 16.0° to 76.0° Bearing [Mag]: 360.0° to 60.0°			Distance: Beyond 12.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 281.0° to 321.0° Bearing [Mag]: 265.0° to 305.0°			Distance: Beyond 30.0 NM Altitude: Below 10200.0 Ft.		
Restriction:		Bearing [True]: 211.0° to 226.0° Bearing [Mag]: 195.0° to 210.0°			Distance: Beyond 33.0 NM Altitude: Below 10500.0 Ft.		
Restriction:		Bearing [True]: 321.0° to 341.0° Bearing [Mag]: 305.0° to 325.0°			Distance: Beyond 28.0 NM Altitude: Below 9000.0 Ft.		
ESV:		Bearing [True]: 121.0° to 160.0° Bearing [Mag]: 105.0° to 144.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 18000.0 Ft.		
3	EED	N 34° 45' 57.62" W 114° 28' 26.78" 15 E	H	620.0	115.20	EED	Not Used
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 30.0 NM Altitude: Below 12000.0 Ft.		
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 Ft.		
Restriction:		Bearing [True]: 115.0° to 145.0° Bearing [Mag]: 100.0° to 130.0°			Distance: Beyond 27.0 NM Altitude: Below 6600.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 235.0° Bearing [Mag]: 170.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 5800.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 295.0° Bearing [Mag]: 220.0° to 280.0°			Distance: Beyond 35.0 NM Altitude: Below 6800.0 Ft.		
ESV:		Bearing [True]: 291.0° to 336.0° Bearing [Mag]: 276.0° to 321.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
4	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L	1373.9	114.20	TNP	Used
Restriction:		Bearing [True]: 95.0° to 110.0° Bearing [Mag]: 80.0° to 95.0°			Distance: Beyond 30.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 50.0° to 80.0° Bearing [Mag]: 35.0° to 65.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 205.0° to 260.0° Bearing [Mag]: 190.0° to 245.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 205.0° Bearing [Mag]: 170.0° to 190.0°			Distance: Beyond 25.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 20.0° to 50.0° Bearing [Mag]: 5.0° to 35.0°			Distance: Beyond 18.0 NM Altitude: Below 6800.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 25.0 NM Altitude: Below 7500.0 Ft.		
Restriction:		Bearing [True]: 110.0° to 165.0° Bearing [Mag]: 95.0° to 150.0°			Distance: Beyond 18.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 330.0° to 345.0° Bearing [Mag]: 315.0° to 330.0°			Distance: Beyond 33.0 NM Altitude: Below 6200.0 Ft.		
Restriction:		Bearing [True]: 360.0° to 20.0° Bearing [Mag]: 345.0° to 5.0°			Distance: Beyond 35.0 NM Altitude: Below 8300.0 Ft.		
Restriction:		Bearing [True]: 165.0° to 185.0° Bearing [Mag]: 150.0° to 170.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 345.0° to 360.0° Bearing [Mag]: 330.0° to 345.0°			Distance: Beyond 20.0 NM Altitude: Below 6200.0 Ft.		
ESV:		Bearing [True]: 290.0° to 21.0° Bearing [Mag]: 275.0° to 6.0°			Arc Distance: Out to 89.0 NM Altitude: 13000.0 to 20000.0 Ft.		
5	BLD	N 35° 59' 44.84" W 114° 51' 48.88" 15 E	H	3641.9	116.70	BLD	Not Used
ESV:		Bearing [True]: 229.0° to 254.0° Bearing [Mag]: 214.0° to 239.0°			Arc Distance: Out to 71.0 NM Altitude: 15000.0 to 20000.0 Ft.		
6	LAS	N 36° 4' 46.93" W 115° 9' 35.27" 15 E	H	2135.8	116.90	LAS	Not Used
Restriction:		Bearing [True]: 40.0° to 175.0° Bearing [Mag]: 25.0° to 160.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 290.0° to 325.0° Bearing [Mag]: 275.0° to 310.0°			Distance: Beyond 35.0 NM Altitude: Below 16500.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 40.0° Bearing [Mag]: 200.0° to 25.0°			Distance: Beyond 25.0 NM Altitude: Below 11000.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 260.0° Bearing [Mag]: 220.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 15000.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 235.0° Bearing [Mag]: 200.0° to 220.0°			Distance: Beyond 15.0 NM Altitude: Below 9000.0 Ft.		
Restriction:		Bearing [True]: 275.0° to 290.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 175.0° to 215.0° Bearing [Mag]: 160.0° to 200.0°			Distance: Beyond 20.0 NM Altitude: Below 9000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
7	LHS	N 34° 40' 58.70" W 118° 34' 36.98" 15 E	L	5790.0	108.40	LHS	Not Used
		ESV:	Bearing [True]: 71.0° to 119.0° Bearing [Mag]: 56.0° to 104.0°		Arc Distance: Out to 94.0 NM Altitude: 10800.0 to 24000.0 Ft.		
8	PDZ	N 33° 55' 6.85" W 117° 31' 46.42" 15 E	H	1432.4	112.20	PDZ	Used
		Restriction:	Bearing [True]: 205.0° to 245.0° Bearing [Mag]: 190.0° to 230.0°		Distance: Beyond 0.0 NM Altitude: Below 10000.0 Ft.		
		Restriction:	Bearing [True]: 340.0° to 360.0° Bearing [Mag]: 325.0° to 345.0°		Distance: Beyond 25.0 NM Altitude: Below 11500.0 Ft.		
		Restriction:	Bearing [True]: 145.0° to 160.0° Bearing [Mag]: 130.0° to 145.0°		Distance: Beyond 25.0 NM Altitude: Below 5000.0 Ft.		
		Restriction:	Bearing [True]: 360.0° to 15.0° Bearing [Mag]: 345.0° to 360.0°		Distance: Beyond 35.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 160.0° to 205.0° Bearing [Mag]: 145.0° to 190.0°		Distance: Beyond 0.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 325.0° to 340.0° Bearing [Mag]: 310.0° to 325.0°		Distance: Beyond 35.0 NM Altitude: Below 10900.0 Ft.		
		ESV:	Bearing [True]: 7.0° to 18.0° Bearing [Mag]: 352.0° to 3.0°		Arc Distance: Out to 57.0 NM Altitude: 13000.0 to 16000.0 Ft.		
9	GMN	N 34° 48' 14.50" W 118° 51' 40.90" 16 E	L	4920.0	116.10	GMN	Used
		Restriction:	Bearing [True]: 206.0° to 236.0° Bearing [Mag]: 190.0° to 220.0°		Distance: Beyond 27.0 NM Altitude: Below 9500.0 Ft.		
		Restriction:	Bearing [True]: 296.0° to 316.0° Bearing [Mag]: 280.0° to 300.0°		Distance: Beyond 15.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 271.0° to 296.0° Bearing [Mag]: 255.0° to 280.0°		Distance: Beyond 20.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 8.0 NM Altitude: Below 13000.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 10.0 NM Altitude: Below 9999.0 Ft.		
		ESV:	Bearing [True]: 85.0° to 118.0° Bearing [Mag]: 69.0° to 102.0°		Arc Distance: Out to 89.0 NM Altitude: 10900.0 to 24000.0 Ft.		
10	VTU	N 34° 6' 53.64" W 119° 2' 56.84" 15 E	L	1560.0	108.20	VTU	Used
		Restriction:	Bearing [True]: 75.0° to 100.0° Bearing [Mag]: 60.0° to 85.0°		Distance: Beyond 10.0 NM Altitude: Below 13000.0 Ft.		
		ESV:	Bearing [True]: 44.0° to 71.0° Bearing [Mag]: 29.0° to 56.0°		Arc Distance: Out to 88.0 NM Altitude: 8000.0 to 20000.0 Ft.		
11	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H	710.0	117.10	AVE	Not Used
		ESV:	Bearing [True]: 97.0° to 141.0° Bearing [Mag]: 81.0° to 125.0°		Arc Distance: Out to 82.0 NM Altitude: 8400.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
12	CZQ	N 36° 53' 3.56" W 119° 48' 54.52" 15 E	H	359.7	112.90	CZQ	Not Used
		ESV:	Bearing [True]: 159.0° to 174.0° Bearing [Mag]: 144.0° to 159.0°		Arc Distance: Out to 112.0 NM Altitude: 10900.0 to 20000.0 Ft.		
13	EHF	N 35° 29' 4.40" W 119° 5' 50.27" 14 E	H	548.1	115.40	EHF	Not Used
		ESV:	Bearing [True]: 189.0° to 258.0° Bearing [Mag]: 175.0° to 244.0°		Arc Distance: Out to 67.0 NM Altitude: 12000.0 to 16000.0 Ft.		



Name: Jeanette Roller
Project Name: KSMO CTRUS1
Output File: KSMO CTRUS1 SID
CTRUS IKAYE
20150805_0922
Procedure Name: CTRUS1
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/5/2015 9:23:03 AM
Input File: CTRUS CTRUS IKAYE
20141029_0000.txt
Databases: AIRNAV Date: 7/7/2015
CIFP Date: 2/5/2015
DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

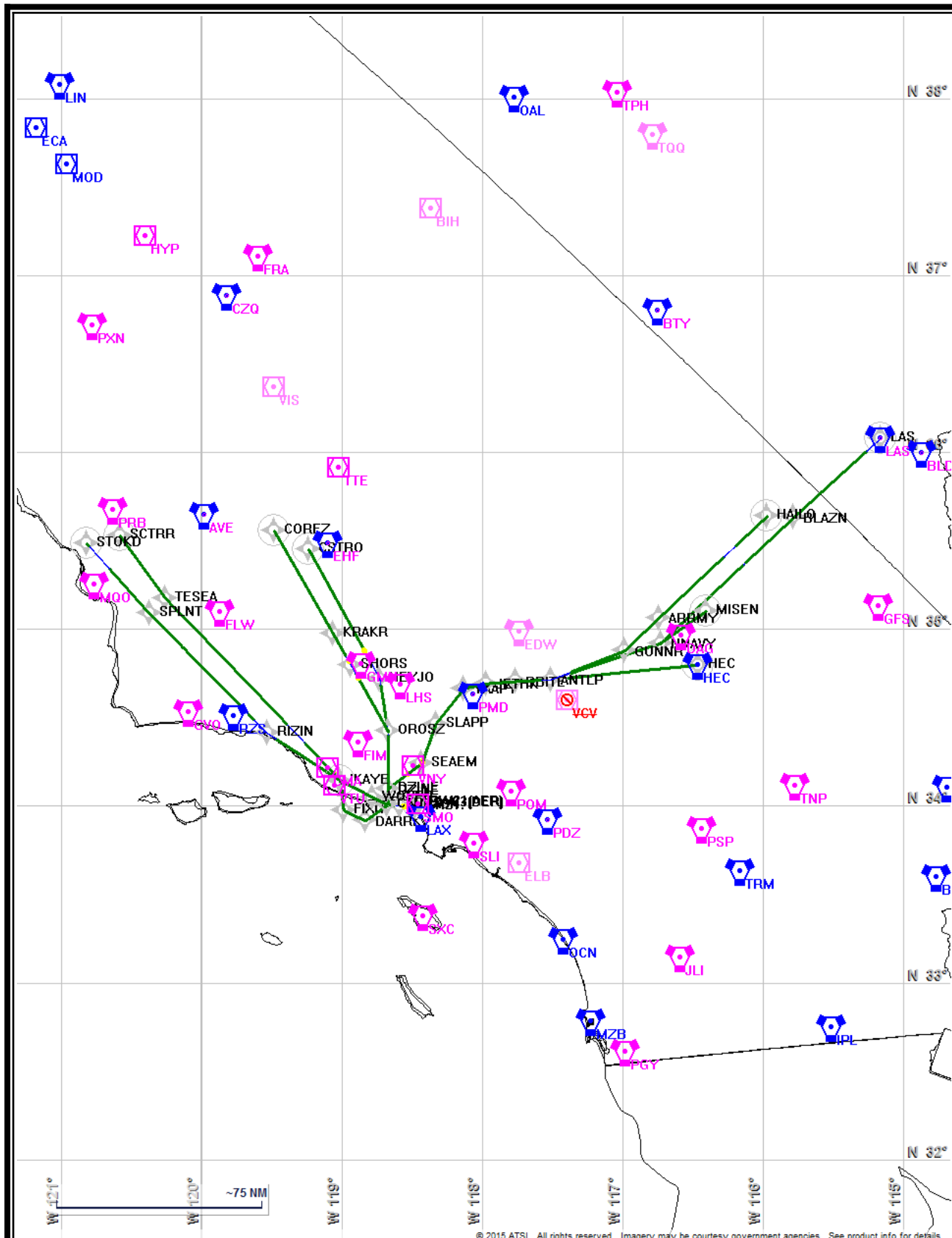


Comms



TERPS

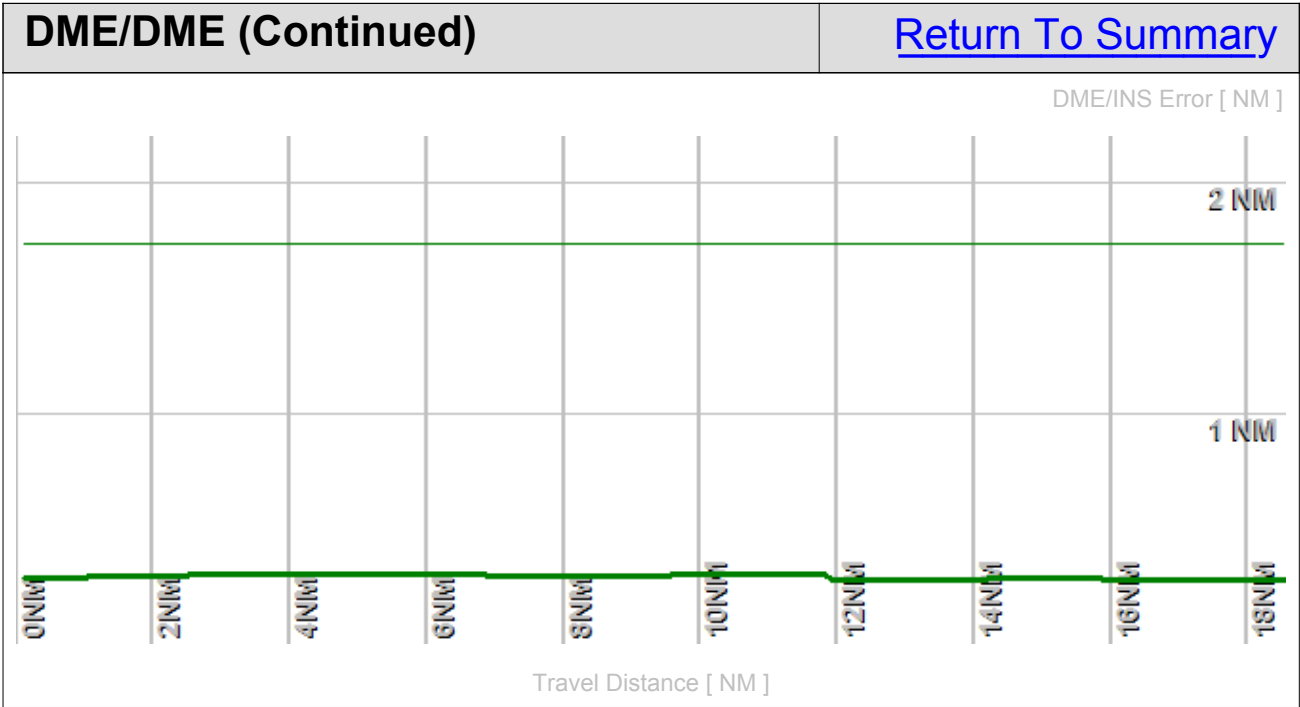




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
CTRUS	WP	N 34° 0' 23.18" W 118° 40' 33.81"	5000.0	Step	180.0	Fly By	TF
WOPPR	WP	N 34° 2' 58.00" W 118° 46' 52.16"	5000.0	VNAV	180.0	Fly By	TF
IKAYE	WP	N 34° 8' 35.00" W 119° 0' 37.00"	5400.0	VNAV	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition Selected Airport: KSMO Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> 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: <i>None assigned</i> 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		
Total Number of DMEs Used: 6		
Maximum DME Error: 0.303 NM.		
No Critical DMEs were found.		
Available DMEs: FIM, LAX, SLI, SMO, VNY, CMA, VTU		
Disabled DMEs: VCV		



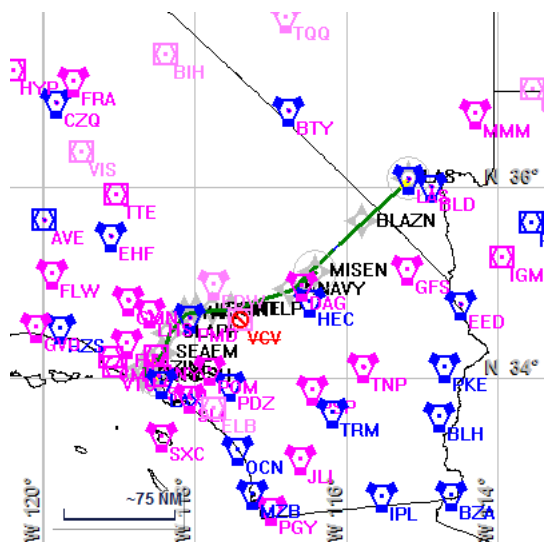
Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
CTRUS	WOPPR	FIM, LAX, SLI, SMO, and VNY
WOPPR	IKAYE	VTU, CMA, FIM, LAX, SLI, SMO, and VNY

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KSMO CTRUS1 IKAYE STOKD 20150528_1200.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H	2498.0	114.50	PMD	Not Used
		Restriction:	Bearing [True]: 160.0° to 165.0° Bearing [Mag]: 145.0° to 150.0°		Distance: Beyond 20.0 NM Altitude: Below 14500.0 Ft.		
		Restriction:	Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 120.0° to 145.0°		Distance: Beyond 20.0 NM Altitude: Below 15500.0 Ft.		
		ESV:	Bearing [True]: 59.0° to 109.0° Bearing [Mag]: 44.0° to 94.0°		Arc Distance: Out to 112.0 NM Altitude: 14900.0 to 22000.0 Ft.		
		ESV:	Bearing [True]: 273.0° to 313.0° Bearing [Mag]: 258.0° to 298.0°		Arc Distance: Out to 68.0 NM Altitude: 7900.0 to 18000.0 Ft.		
2	BTY	N 36° 48' 2.15" W 116° 44' 51.51" 16 E	H	2927.7	114.70	BTY	Not Used
		Restriction:	Bearing [True]: 341.0° to 105.0° Bearing [Mag]: 325.0° to 89.0°		Distance: Beyond 9.0 NM Altitude: Below 99999.0 Ft.		
		Restriction:	Bearing [True]: 16.0° to 76.0° Bearing [Mag]: 360.0° to 60.0°		Distance: Beyond 12.0 NM Altitude: Below 99999.0 Ft.		
		Restriction:	Bearing [True]: 281.0° to 321.0° Bearing [Mag]: 265.0° to 305.0°		Distance: Beyond 30.0 NM Altitude: Below 10200.0 Ft.		
		Restriction:	Bearing [True]: 211.0° to 226.0° Bearing [Mag]: 195.0° to 210.0°		Distance: Beyond 33.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 321.0° to 341.0° Bearing [Mag]: 305.0° to 325.0°		Distance: Beyond 28.0 NM Altitude: Below 9000.0 Ft.		
		ESV:	Bearing [True]: 121.0° to 160.0° Bearing [Mag]: 105.0° to 144.0°		Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 18000.0 Ft.		
3	EED	N 34° 45' 57.62" W 114° 28' 26.78" 15 E	H	620.0	115.20	EED	Not Used
		Restriction:	Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°		Distance: Beyond 30.0 NM Altitude: Below 12000.0 Ft.		
		Restriction:	Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°		Distance: Beyond 20.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 115.0° to 145.0° Bearing [Mag]: 100.0° to 130.0°		Distance: Beyond 27.0 NM Altitude: Below 6600.0 Ft.		
		Restriction:	Bearing [True]: 185.0° to 235.0° Bearing [Mag]: 170.0° to 220.0°		Distance: Beyond 20.0 NM Altitude: Below 5800.0 Ft.		
		Restriction:	Bearing [True]: 235.0° to 295.0° Bearing [Mag]: 220.0° to 280.0°		Distance: Beyond 35.0 NM Altitude: Below 6800.0 Ft.		
		ESV:	Bearing [True]: 291.0° to 336.0° Bearing [Mag]: 276.0° to 321.0°		Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
4	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L	1373.9	114.20	TNP	Not Used
Restriction:		Bearing [True]: 95.0° to 110.0° Bearing [Mag]: 80.0° to 95.0°			Distance: Beyond 30.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 50.0° to 80.0° Bearing [Mag]: 35.0° to 65.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 205.0° to 260.0° Bearing [Mag]: 190.0° to 245.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 205.0° Bearing [Mag]: 170.0° to 190.0°			Distance: Beyond 25.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 20.0° to 50.0° Bearing [Mag]: 5.0° to 35.0°			Distance: Beyond 18.0 NM Altitude: Below 6800.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 25.0 NM Altitude: Below 7500.0 Ft.		
Restriction:		Bearing [True]: 110.0° to 165.0° Bearing [Mag]: 95.0° to 150.0°			Distance: Beyond 18.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 330.0° to 345.0° Bearing [Mag]: 315.0° to 330.0°			Distance: Beyond 33.0 NM Altitude: Below 6200.0 Ft.		
Restriction:		Bearing [True]: 360.0° to 20.0° Bearing [Mag]: 345.0° to 5.0°			Distance: Beyond 35.0 NM Altitude: Below 8300.0 Ft.		
Restriction:		Bearing [True]: 165.0° to 185.0° Bearing [Mag]: 150.0° to 170.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 345.0° to 360.0° Bearing [Mag]: 330.0° to 345.0°			Distance: Beyond 20.0 NM Altitude: Below 6200.0 Ft.		
ESV:		Bearing [True]: 290.0° to 21.0° Bearing [Mag]: 275.0° to 6.0°			Arc Distance: Out to 89.0 NM Altitude: 13000.0 to 20000.0 Ft.		
5	BLD	N 35° 59' 44.84" W 114° 51' 48.88" 15 E	H	3641.9	116.70	BLD	Not Used
ESV:		Bearing [True]: 229.0° to 254.0° Bearing [Mag]: 214.0° to 239.0°			Arc Distance: Out to 71.0 NM Altitude: 15000.0 to 20000.0 Ft.		
6	LAS	N 36° 4' 46.93" W 115° 9' 35.27" 15 E	H	2135.8	116.90	LAS	Not Used
Restriction:		Bearing [True]: 40.0° to 175.0° Bearing [Mag]: 25.0° to 160.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 290.0° to 325.0° Bearing [Mag]: 275.0° to 310.0°			Distance: Beyond 35.0 NM Altitude: Below 16500.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 40.0° Bearing [Mag]: 200.0° to 25.0°			Distance: Beyond 25.0 NM Altitude: Below 11000.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 260.0° Bearing [Mag]: 220.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 15000.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 235.0° Bearing [Mag]: 200.0° to 220.0°			Distance: Beyond 15.0 NM Altitude: Below 9000.0 Ft.		
Restriction:		Bearing [True]: 275.0° to 290.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 175.0° to 215.0° Bearing [Mag]: 160.0° to 200.0°			Distance: Beyond 20.0 NM Altitude: Below 9000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
7	LHS	N 34° 40' 58.70" W 118° 34' 36.98" 15 E	L	5790.0	108.40	LHS	Not Used
		ESV:	Bearing [True]: 71.0° to 119.0° Bearing [Mag]: 56.0° to 104.0°		Arc Distance: Out to 94.0 NM Altitude: 10800.0 to 24000.0 Ft.		
8	PDZ	N 33° 55' 6.85" W 117° 31' 46.42" 15 E	H	1432.4	112.20	PDZ	Not Used
		Restriction:	Bearing [True]: 205.0° to 245.0° Bearing [Mag]: 190.0° to 230.0°		Distance: Beyond 0.0 NM Altitude: Below 10000.0 Ft.		
		Restriction:	Bearing [True]: 340.0° to 360.0° Bearing [Mag]: 325.0° to 345.0°		Distance: Beyond 25.0 NM Altitude: Below 11500.0 Ft.		
		Restriction:	Bearing [True]: 145.0° to 160.0° Bearing [Mag]: 130.0° to 145.0°		Distance: Beyond 25.0 NM Altitude: Below 5000.0 Ft.		
		Restriction:	Bearing [True]: 360.0° to 15.0° Bearing [Mag]: 345.0° to 360.0°		Distance: Beyond 35.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 160.0° to 205.0° Bearing [Mag]: 145.0° to 190.0°		Distance: Beyond 0.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 325.0° to 340.0° Bearing [Mag]: 310.0° to 325.0°		Distance: Beyond 35.0 NM Altitude: Below 10900.0 Ft.		
		ESV:	Bearing [True]: 7.0° to 18.0° Bearing [Mag]: 352.0° to 3.0°		Arc Distance: Out to 57.0 NM Altitude: 13000.0 to 16000.0 Ft.		
9	GMN	N 34° 48' 14.50" W 118° 51' 40.90" 16 E	L	4920.0	116.10	GMN	Not Used
		Restriction:	Bearing [True]: 206.0° to 236.0° Bearing [Mag]: 190.0° to 220.0°		Distance: Beyond 27.0 NM Altitude: Below 9500.0 Ft.		
		Restriction:	Bearing [True]: 296.0° to 316.0° Bearing [Mag]: 280.0° to 300.0°		Distance: Beyond 15.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 271.0° to 296.0° Bearing [Mag]: 255.0° to 280.0°		Distance: Beyond 20.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 8.0 NM Altitude: Below 13000.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 10.0 NM Altitude: Below 9999.0 Ft.		
		ESV:	Bearing [True]: 85.0° to 118.0° Bearing [Mag]: 69.0° to 102.0°		Arc Distance: Out to 89.0 NM Altitude: 10900.0 to 24000.0 Ft.		
10	VTU	N 34° 6' 53.64" W 119° 2' 56.84" 15 E	L	1560.0	108.20	VTU	Used
		Restriction:	Bearing [True]: 75.0° to 100.0° Bearing [Mag]: 60.0° to 85.0°		Distance: Beyond 10.0 NM Altitude: Below 13000.0 Ft.		
		ESV:	Bearing [True]: 44.0° to 71.0° Bearing [Mag]: 29.0° to 56.0°		Arc Distance: Out to 88.0 NM Altitude: 8000.0 to 20000.0 Ft.		
11	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H	710.0	117.10	AVE	Not Used
		ESV:	Bearing [True]: 97.0° to 141.0° Bearing [Mag]: 81.0° to 125.0°		Arc Distance: Out to 82.0 NM Altitude: 8400.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
12	CZQ	N 36° 53' 3.56" W 119° 48' 54.52" 15 E	H	359.7	112.90	CZQ	Not Used
		ESV:	Bearing [True]: 159.0° to 174.0° Bearing [Mag]: 144.0° to 159.0°		Arc Distance: Out to 112.0 NM Altitude: 10900.0 to 20000.0 Ft.		
13	EHF	N 35° 29' 4.40" W 119° 5' 50.27" 14 E	H	548.1	115.40	EHF	Not Used
		ESV:	Bearing [True]: 189.0° to 258.0° Bearing [Mag]: 175.0° to 244.0°		Arc Distance: Out to 67.0 NM Altitude: 12000.0 to 16000.0 Ft.		



Name: Bob Tinkham
Project Name: KSMO CTRUS1
Output File: KSMO CTRUS1 SID RW21 LAS 20161003_1334
Procedure Name: CTRUS1
Software: RNAV-Pro™
Version: 2.39
Date/Time: 10/3/2016 1:36:45 PM
Input File: [KSMO CTRUS1 SID RW21 LAS 20150309_0000.txt](#)
Databases: AIRNAV Date: 9/15/2016
 CIFP Date: 8/18/2016
 DTED® (MAX) Date: 2002

Results Summary:

Flyability



Please Check **Flyability** Results

DME/DME



No coverage at beginning of the procedure/route!
 No Critical DMEs Exist

Radars

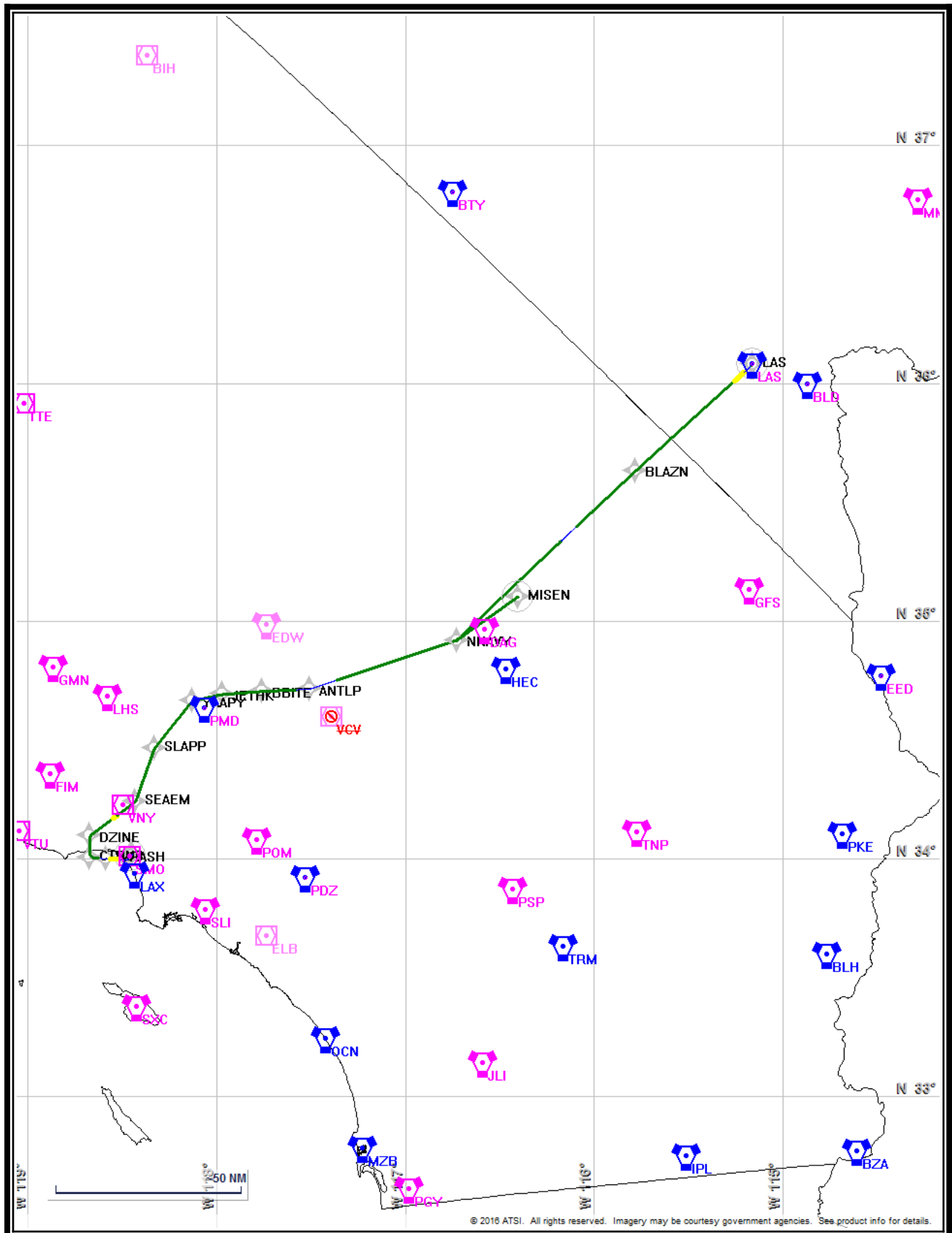


Comms



TERPS

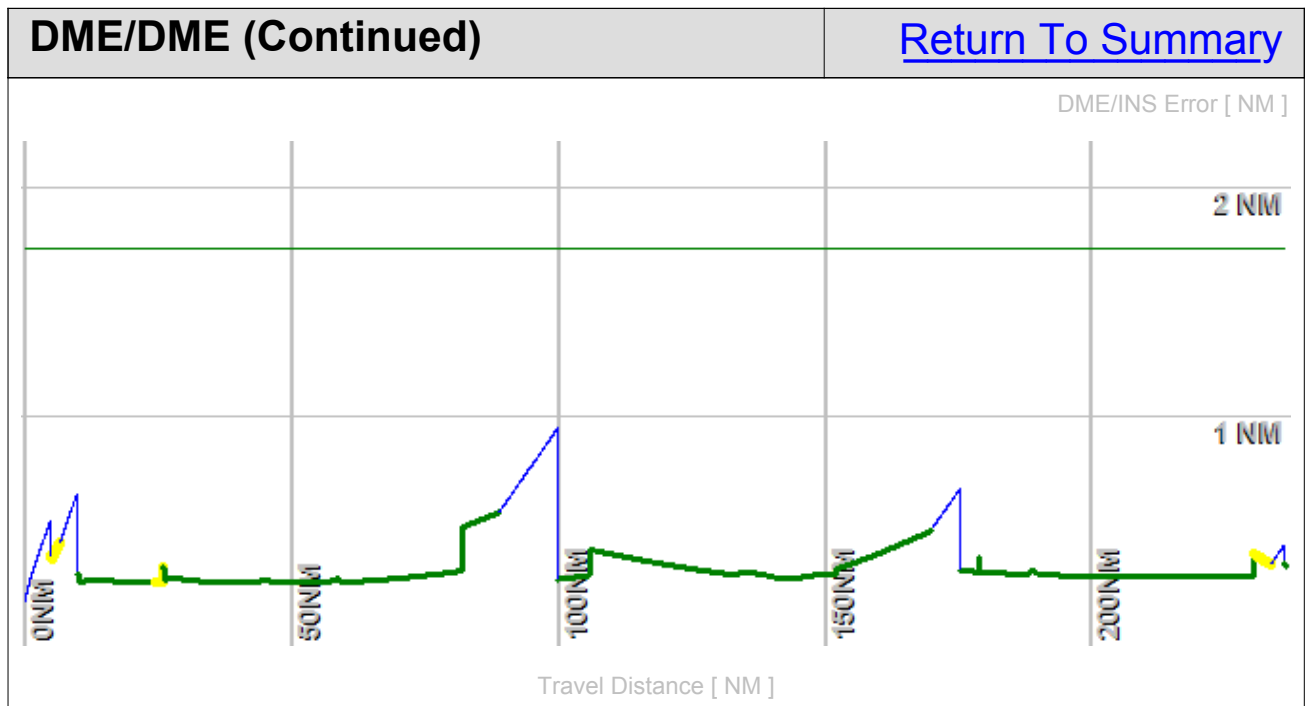




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW21(A...	WP	N 34° 1' 14.48" W 118° 26' 43.96"	177.4	VNAV	0.0	Fly By	TF
RW03(D...	WP	N 34° 0' 39.44" W 118° 27' 25.43"	152.6	VNAV	130.0	Fly Over	VI
GH21:	WP	N 33° 59' 49.57" W 118° 28' 24.48"	1124.0	VNAV	145.0	Fly By	CF - 269.1°
WRASH	WP	N 34° 0' 2.48" W 118° 35' 12.63"	3292.0	VNAV	180.0	Fly By	TF
CTRUS	WP	N 34° 0' 23.18" W 118° 40' 33.81"	5000.0	VNAV	180.0	Fly By	TF
DZINE	WP	N 34° 5' 51.04" W 118° 40' 20.14"	6000.0	VNAV	180.0	Fly By	TF
SEAEM	WP	N 34° 14' 30.89" W 118° 25' 49.76"	9000.0	VNAV	180.0	Fly By	TF
SLAPP	WP	N 34° 27' 50.14" W 118° 19' 54.07"	13000.0	VNAV	210.0	Fly By	TF
YAAPY	WP	N 34° 39' 53.00" W 118° 7' 50.00"	15000.0	VNAV	210.0	Fly By	TF
JETHK	WP	N 34° 41' 29.87" W 117° 58' 19.35"	15000.0	VNAV	210.0	Fly By	TF
BBITE	WP	N 34° 42' 16.22" W 117° 45' 30.87"	15000.0	VNAV	210.0	Fly By	TF
ANTLP	WP	N 34° 42' 51.26" W 117° 30' 29.82"	15000.0	VNAV	210.0	Fly By	TF
NNAVY	WP	N 34° 55' 10.68" W 116° 43' 40.88"	15000.0	VNAV	210.0	Fly By	TF
BLAZN	WP	N 35° 37' 55.21" W 115° 46' 46.06"	15000.0	VNAV	210.0	Fly By	TF
LAS	WP	N 36° 4' 46.93" W 115° 9' 35.27"	15000.0	VNAV	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition Selected Airport: KSMO Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Departure: 120.0 Kts out to 10.0 NM Table: 200.0 Kts up to 11000.0 ft 240.0 Kts up to 18000.0 ft 260.0 Kts up to 24000.0 ft 340.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Flight Track comes into contact with terrain. Minimum AGL along route was -39.87 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

DME/DME	Return To Summary
Settings:	<p> RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.165 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, 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 Minimum MSL DMEs Avail: 2181 ft </p>
<p> Total Number of DMEs Used: 19 No coverage at beginning of the procedure/route! Maximum DME Error: 0.948 NM. No Critical DMEs were found. Available DMEs: LAX, SLI, POM, SMO, FIM, VNY, LHS, VTU, PMD, GMN, PDZ, DAG, TNP, HEC, EED, GOG, BTY, BLD, LAS Disabled DMEs: VCV </p>	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	LAX	N 33° 56' 0.31" W 118° 25' 56.75" 15 E	H	Database	NO	0.948	Enabled	12.0%	11.9%
2	POM	N 34° 4' 42.20" W 117° 47' 13.47" 15 E	L	Database	NO	0.948	Enabled	3.1%	2.6%
3	SLI	N 33° 46' 59.87" W 118° 3' 17.12" 15 E	L	Database	NO	0.948	Enabled	1.9%	1.2%
4	SMO	N 34° 0' 37.53" W 118° 27' 22.97" 15 E	L	Database	NO	0.948	Enabled	8.2%	7.3%
5	FIM	N 34° 21' 24.10" W 118° 52' 52.65" 15 E	L	Database	NO	0.948	Enabled	7.2%	6.4%
6	VNY	N 34° 13' 26.48" W 118° 29' 30.21" 15 E	L	Database	NO	0.948	Enabled	11.6%	10.6%
7	LHS	N 34° 40' 58.70" W 118° 34' 36.98" 15 E	L + ESV	User	NO	0.948	Enabled	2.7%	2.7%
8	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H + ESV	User	NO	1.101	Enabled	16.8%	18.1%
9	GMN	N 34° 48' 14.50" W 118° 51' 40.90" 16 E	L + ESV	User	NO	0.958	Enabled	20.6%	22.2%
10	VTU	N 34° 6' 53.64" W 119° 2' 56.84" 15 E	L + ESV	User	NO	0.924	Enabled	2.7%	2.9%
11	PDZ	N 33° 55' 6.85" W 117° 31' 46.42" 15 E	H + ESV	User	NO	1.031	Enabled	2.3%	2.5%
12	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L + ESV	User	NO	0.948	Enabled	14.3%	15.5%
13	DAG	N 34° 57' 44.84" W 116° 34' 41.40" 15 E	L	Database	NO	0.948	Enabled	12.7%	13.7%
14	HEC	N 34° 47' 49.26" W 116° 27' 46.52" 15 E	H	Database	NO	1.093	Enabled	10.8%	11.7%
15	EED	N 34° 45' 57.62" W 114° 28' 26.78" 15 E	H + ESV	User	NO	0.948	Enabled	15.1%	16.3%

DME/DME (Continued)							Return To Summary		
DMEs Used (Continued)									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
16	BTY	N 36° 48' 2.15" W 116° 44' 51.51" 16 E	H + ESV	User	NO	0.948	Enabled	6.4%	6.9%
17	GOG	N 35° 53' 39.30" W 115° 29' 45.90" 00 E	DME H	Database	NO	0.948	Enabled	9.9%	10.7%
18	BLD	N 35° 59' 44.84" W 114° 51' 48.88" 15 E	H + ESV	User	NO	0.948	Enabled	3.1%	3.4%
19	LAS	N 36° 4' 46.93" W 115° 9' 35.27" 15 E	H + ESV	User	NO	0.948	Enabled	9.9%	10.7%
	Total Coverage							85.7%	88.6%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
0.8									
1.7		LAX	POM	SLI	SMO	FIM			
7.6		LAX	VNY	SLI	SMO	FIM			
10.7		LAX	VNY	SLI	SMO	FIM			
16.2		LHS	VNY	POM	SMO	FIM	SLI		
31.1		PMD	GMN	POM	SMO	FIM	LHS		
45.1		VNY	GMN	LAX	SMO	LHS	FIM		
60.5		VNY	GMN	LAX	VTU	LHS	PMD		
69.0		PMD	GMN	LAX	VTU	LHS			
79.9		PMD	GMN	LAX	VTU	LHS			
91.7		PMD	GMN	DAG	PDZ	LHS	VTU		
101.9		TNP	GMN	DAG	PDZ	LHS	PMD		
114.3		TNP	PMD	DAG	HEC	LHS			
132.1		TNP	PMD	DAG	HEC	LHS			
175.2		EED	PMD	DAG	GOG	BTY			
185.3		EED	BLD	GOG	BTY				
195.9		EED	BLD	LAS	GOG	BTY			

DME/DME (Continued)			Return To Summary
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N 34° 1' 14.48" W 118° 26' 43.96"	N 33° 59' 54.67" W 118° 31' 42.33"	4.7
	VOR: CMA	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.67" W 118° 31' 42.33"	
	VOR: VTU	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.67" W 118° 31' 42.33"	
	VOR: LAX	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.67" W 118° 31' 42.33"	
	VOR: SMO	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.67" W 118° 31' 42.33"	
	VOR: SXC	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.67" W 118° 31' 42.33"	
	VOR: FIM	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.67" W 118° 31' 42.33"	
	VOR: VNY	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.67" W 118° 31' 42.33"	
	VOR: LAX	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.67" W 118° 31' 42.33"	
	VOR: SLI	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.67" W 118° 31' 42.33"	
	VOR: POM	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.67" W 118° 31' 42.33"	
	VOR: SNA	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.67" W 118° 31' 42.33"	

DME/DME (Continued)			Return To Summary
Inertial Drift Segments (Continued)			
#	Start Location	End Location	Length [NM]
2	N 33° 59' 59.76" W 118° 33' 59.31"	N 34° 0' 12.10" W 118° 37' 42.58"	3.1
	VOR: CMA	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.58"	
	VOR: VTU	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.58"	
	VOR: LAX	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.58"	
	VOR: SMO	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.58"	
	VOR: SXC	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.58"	
	VOR: FIM	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.58"	
	VOR: VNY	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.58"	
	VOR: LAX	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.58"	
	VOR: SLI	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.58"	
	VOR: POM	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 2.07" W 118° 35' 1.79"	
	VOR: SNA	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 0.21" W 118° 34' 11.33"	
3	N 34° 42' 41.62" W 117° 34' 44.82"	N 34° 45' 8.10" W 117° 21' 54.75"	10.9
	VOR: PMD	Available from N 34° 42' 41.62" W 117° 34' 44.82" to N 34° 45' 8.10" W 117° 21' 54.75"	
	VOR: EDW	Available from N 34° 42' 41.62" W 117° 34' 44.82" to N 34° 45' 8.10" W 117° 21' 54.75"	
	VOR: POM	Available from N 34° 42' 41.62" W 117° 34' 44.82" to N 34° 42' 47.33" W 117° 32' 14.57"	
	VOR: VCV	Available from N 34° 42' 41.62" W 117° 34' 44.82" to N 34° 45' 8.10" W 117° 21' 54.75"	

DME/DME (Continued)			Return To Summary
<i>Inertial Drift Segments (Continued)</i>			
#	Start Location	End Location	Length [NM]
4	N 35° 20' 10.05" W 116° 10' 36.21"	N 35° 23' 54.33" W 116° 5' 36.50"	5.5
	VOR: HEC	Available from N 35° 20' 10.05" W 116° 10' 36.21" to N 35° 23' 38.12" W 116° 5' 58.19"	
	VOR: DAG	Available from N 35° 20' 10.05" W 116° 10' 36.21" to N 35° 23' 54.33" W 116° 5' 36.50"	
5	N 36° 2' 50.27" W 115° 12' 18.20"	N 36° 4' 23.01" W 115° 10' 8.71"	2.3
	VOR: VGT	Available from N 36° 2' 50.27" W 115° 12' 18.20" to N 36° 4' 23.01" W 115° 10' 8.71"	
	VOR: BLD	Available from N 36° 2' 50.27" W 115° 12' 18.20" to N 36° 4' 23.01" W 115° 10' 8.71"	
	VOR: LAS	Available from N 36° 2' 50.27" W 115° 12' 18.20" to N 36° 4' 23.01" W 115° 10' 8.71"	

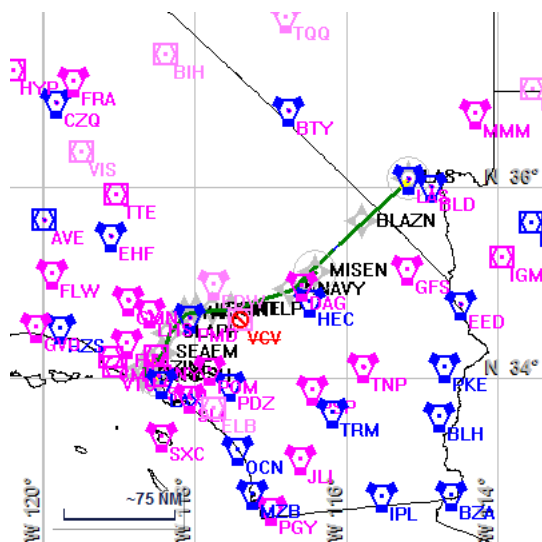
Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
RW21(AER)	RW03(DER)	
RW03(DER)	GH21:	
GH21:	WRASH	FIM, LAX, POM, SLI, and SMO
WRASH	CTRUS	FIM, LAX, SLI, SMO, and VNY
CTRUS	DZINE	FIM, LAX, SLI, SMO, and VNY
DZINE	SEAEM	LHS, FIM, POM, SMO, VNY, LAX*, and SLI*
SEAEM	SLAPP	GMN, PMD, FIM, POM, SMO, VTU*, LHS*, LAX*, SLI*, and VNY*
SLAPP	YAAPY	GMN, LHS, LAX, SMO, VNY, VTU*, PMD*, and FIM*
YAAPY	JETHK	VTU, GMN, LHS, LAX, VNY, and PMD*
JETHK	BBITE	VTU, GMN, LHS, PMD, and LAX
BBITE	ANTLP	VTU, GMN, LHS, PMD, and LAX
ANTLP	NNAVY	GMN, PDZ, LHS, TNP, PMD, DAG, HEC, and VTU*
NNAVY	BLAZN	LHS, BLD, TNP, EED, BTY, PMD, DAG, GOG, and HEC
BLAZN	LAS	LAS, BLD, EED, BTY, and GOG

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KSMO CTRUS1 SID RW21 LAS 20150805_0910.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H	2498.0	114.50	PMD	Used
Restriction:		Bearing [True]: 160.0° to 165.0° Bearing [Mag]: 145.0° to 150.0°			Distance: Beyond 20.0 NM Altitude: Below 14500.0 ft		
Restriction:		Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 120.0° to 145.0°			Distance: Beyond 20.0 NM Altitude: Below 15500.0 ft		
ESV:		Bearing [True]: 59.0° to 109.0° Bearing [Mag]: 44.0° to 94.0°			Arc Distance: Out to 112.0 NM Altitude: 14900.0 to 22000.0 ft		
ESV:		Bearing [True]: 273.0° to 313.0° Bearing [Mag]: 258.0° to 298.0°			Arc Distance: Out to 68.0 NM Altitude: 7900.0 to 18000.0 ft		
2	BTY	N 36° 48' 2.15" W 116° 44' 51.51" 16 E	H	2927.7	114.70	BTY	Used
Restriction:		Bearing [True]: 341.0° to 105.0° Bearing [Mag]: 325.0° to 89.0°			Distance: Beyond 9.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 16.0° to 76.0° Bearing [Mag]: 360.0° to 60.0°			Distance: Beyond 12.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 281.0° to 321.0° Bearing [Mag]: 265.0° to 305.0°			Distance: Beyond 30.0 NM Altitude: Below 10200.0 ft		
Restriction:		Bearing [True]: 211.0° to 226.0° Bearing [Mag]: 195.0° to 210.0°			Distance: Beyond 33.0 NM Altitude: Below 10500.0 ft		
Restriction:		Bearing [True]: 321.0° to 341.0° Bearing [Mag]: 305.0° to 325.0°			Distance: Beyond 28.0 NM Altitude: Below 9000.0 ft		
ESV:		Bearing [True]: 121.0° to 160.0° Bearing [Mag]: 105.0° to 144.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 18000.0 ft		
3	EED	N 34° 45' 57.62" W 114° 28' 26.78" 15 E	H	620.0	115.20	EED	Used
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 30.0 NM Altitude: Below 12000.0 ft		
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 ft		
Restriction:		Bearing [True]: 115.0° to 145.0° Bearing [Mag]: 100.0° to 130.0°			Distance: Beyond 27.0 NM Altitude: Below 6600.0 ft		
Restriction:		Bearing [True]: 185.0° to 235.0° Bearing [Mag]: 170.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 5800.0 ft		
Restriction:		Bearing [True]: 235.0° to 295.0° Bearing [Mag]: 220.0° to 280.0°			Distance: Beyond 35.0 NM Altitude: Below 6800.0 ft		
ESV:		Bearing [True]: 291.0° to 336.0° Bearing [Mag]: 276.0° to 321.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 16000.0 ft		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
4	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L	1373.9	114.20	TNP	Used
Restriction:		Bearing [True]: 95.0° to 110.0° Bearing [Mag]: 80.0° to 95.0°			Distance: Beyond 30.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 50.0° to 80.0° Bearing [Mag]: 35.0° to 65.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 205.0° to 260.0° Bearing [Mag]: 190.0° to 245.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 ft		
Restriction:		Bearing [True]: 185.0° to 205.0° Bearing [Mag]: 170.0° to 190.0°			Distance: Beyond 25.0 NM Altitude: Below 7000.0 ft		
Restriction:		Bearing [True]: 20.0° to 50.0° Bearing [Mag]: 5.0° to 35.0°			Distance: Beyond 18.0 NM Altitude: Below 6800.0 ft		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 25.0 NM Altitude: Below 7500.0 ft		
Restriction:		Bearing [True]: 110.0° to 165.0° Bearing [Mag]: 95.0° to 150.0°			Distance: Beyond 18.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 330.0° to 345.0° Bearing [Mag]: 315.0° to 330.0°			Distance: Beyond 33.0 NM Altitude: Below 6200.0 ft		
Restriction:		Bearing [True]: 360.0° to 20.0° Bearing [Mag]: 345.0° to 5.0°			Distance: Beyond 35.0 NM Altitude: Below 8300.0 ft		
Restriction:		Bearing [True]: 165.0° to 185.0° Bearing [Mag]: 150.0° to 170.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 ft		
Restriction:		Bearing [True]: 345.0° to 360.0° Bearing [Mag]: 330.0° to 345.0°			Distance: Beyond 20.0 NM Altitude: Below 6200.0 ft		
ESV:		Bearing [True]: 290.0° to 21.0° Bearing [Mag]: 275.0° to 6.0°			Arc Distance: Out to 89.0 NM Altitude: 13000.0 to 20000.0 ft		
5	BLD	N 35° 59' 44.84" W 114° 51' 48.88" 15 E	H	3641.9	116.70	BLD	Used
ESV:		Bearing [True]: 229.0° to 254.0° Bearing [Mag]: 214.0° to 239.0°			Arc Distance: Out to 71.0 NM Altitude: 15000.0 to 20000.0 ft		
6	LAS	N 36° 4' 46.93" W 115° 9' 35.27" 15 E	H	2135.8	116.90	LAS	Used
Restriction:		Bearing [True]: 40.0° to 175.0° Bearing [Mag]: 25.0° to 160.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 290.0° to 325.0° Bearing [Mag]: 275.0° to 310.0°			Distance: Beyond 35.0 NM Altitude: Below 16500.0 ft		
Restriction:		Bearing [True]: 215.0° to 40.0° Bearing [Mag]: 200.0° to 25.0°			Distance: Beyond 25.0 NM Altitude: Below 11000.0 ft		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 ft		
Restriction:		Bearing [True]: 235.0° to 260.0° Bearing [Mag]: 220.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 15000.0 ft		
Restriction:		Bearing [True]: 215.0° to 235.0° Bearing [Mag]: 200.0° to 220.0°			Distance: Beyond 15.0 NM Altitude: Below 9000.0 ft		
Restriction:		Bearing [True]: 275.0° to 290.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 ft		
Restriction:		Bearing [True]: 175.0° to 215.0° Bearing [Mag]: 160.0° to 200.0°			Distance: Beyond 20.0 NM Altitude: Below 9000.0 ft		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
7	LHS	N 34° 40' 58.70" W 118° 34' 36.98" 15 E	L	5790.0	108.40	LHS	Used
		ESV:	Bearing [True]: 71.0° to 119.0° Bearing [Mag]: 56.0° to 104.0°		Arc Distance: Out to 94.0 NM Altitude: 10800.0 to 24000.0 ft		
8	PDZ	N 33° 55' 6.85" W 117° 31' 46.42" 15 E	H	1432.4	112.20	PDZ	Used
		Restriction:	Bearing [True]: 205.0° to 245.0° Bearing [Mag]: 190.0° to 230.0°		Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
		Restriction:	Bearing [True]: 340.0° to 360.0° Bearing [Mag]: 325.0° to 345.0°		Distance: Beyond 25.0 NM Altitude: Below 11500.0 ft		
		Restriction:	Bearing [True]: 145.0° to 160.0° Bearing [Mag]: 130.0° to 145.0°		Distance: Beyond 25.0 NM Altitude: Below 5000.0 ft		
		Restriction:	Bearing [True]: 360.0° to 15.0° Bearing [Mag]: 345.0° to 360.0°		Distance: Beyond 35.0 NM Altitude: Below 10500.0 ft		
		Restriction:	Bearing [True]: 160.0° to 205.0° Bearing [Mag]: 145.0° to 190.0°		Distance: Beyond 0.0 NM Altitude: Below 8000.0 ft		
		Restriction:	Bearing [True]: 325.0° to 340.0° Bearing [Mag]: 310.0° to 325.0°		Distance: Beyond 35.0 NM Altitude: Below 10900.0 ft		
		ESV:	Bearing [True]: 7.0° to 18.0° Bearing [Mag]: 352.0° to 3.0°		Arc Distance: Out to 57.0 NM Altitude: 13000.0 to 16000.0 ft		
9	GMN	N 34° 48' 14.50" W 118° 51' 40.90" 16 E	L	4920.0	116.10	GMN	Used
		Restriction:	Bearing [True]: 206.0° to 236.0° Bearing [Mag]: 190.0° to 220.0°		Distance: Beyond 27.0 NM Altitude: Below 9500.0 ft		
		Restriction:	Bearing [True]: 296.0° to 316.0° Bearing [Mag]: 280.0° to 300.0°		Distance: Beyond 15.0 NM Altitude: Below 8000.0 ft		
		Restriction:	Bearing [True]: 271.0° to 296.0° Bearing [Mag]: 255.0° to 280.0°		Distance: Beyond 20.0 NM Altitude: Below 10500.0 ft		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 8.0 NM Altitude: Below 13000.0 ft		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 10.0 NM Altitude: Below 9999.0 ft		
		ESV:	Bearing [True]: 85.0° to 118.0° Bearing [Mag]: 69.0° to 102.0°		Arc Distance: Out to 89.0 NM Altitude: 10900.0 to 24000.0 ft		
10	VTU	N 34° 6' 53.64" W 119° 2' 56.84" 15 E	L	1560.0	108.20	VTU	Used
		Restriction:	Bearing [True]: 75.0° to 100.0° Bearing [Mag]: 60.0° to 85.0°		Distance: Beyond 10.0 NM Altitude: Below 13000.0 ft		
		ESV:	Bearing [True]: 44.0° to 71.0° Bearing [Mag]: 29.0° to 56.0°		Arc Distance: Out to 88.0 NM Altitude: 8000.0 to 20000.0 ft		
11	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H	710.0	117.10	AVE	Not Used
		ESV:	Bearing [True]: 97.0° to 141.0° Bearing [Mag]: 81.0° to 125.0°		Arc Distance: Out to 82.0 NM Altitude: 8400.0 to 16000.0 ft		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
12	CZQ	N 36° 53' 3.56" W 119° 48' 54.52" 15 E	H	359.7	112.90	CZQ	Not Used
		ESV:	Bearing [True]: 159.0° to 174.0° Bearing [Mag]: 144.0° to 159.0°		Arc Distance: Out to 112.0 NM Altitude: 10900.0 to 20000.0 ft		
13	EHF	N 35° 29' 4.40" W 119° 5' 50.27" 14 E	H	548.1	115.40	EHF	Not Used
		ESV:	Bearing [True]: 189.0° to 258.0° Bearing [Mag]: 175.0° to 244.0°		Arc Distance: Out to 67.0 NM Altitude: 12000.0 to 16000.0 ft		



Name: Bob Tinkham
Project Name: KSMO CTRUS1
Output File: KSMO CTRUS1 SID
 NNAVY MISEN
 20161003_1334
Procedure Name: CTRUS1
Software: RNAV-Pro™
Version: 2.39
Date/Time: 10/3/2016 1:44:32 PM
Input File: [CTRUS NNAVY MISEN
 20140930_1004.txt](#)
Databases: AIRNAV Date: 9/15/2016
 CFP Date: 8/18/2016
 DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

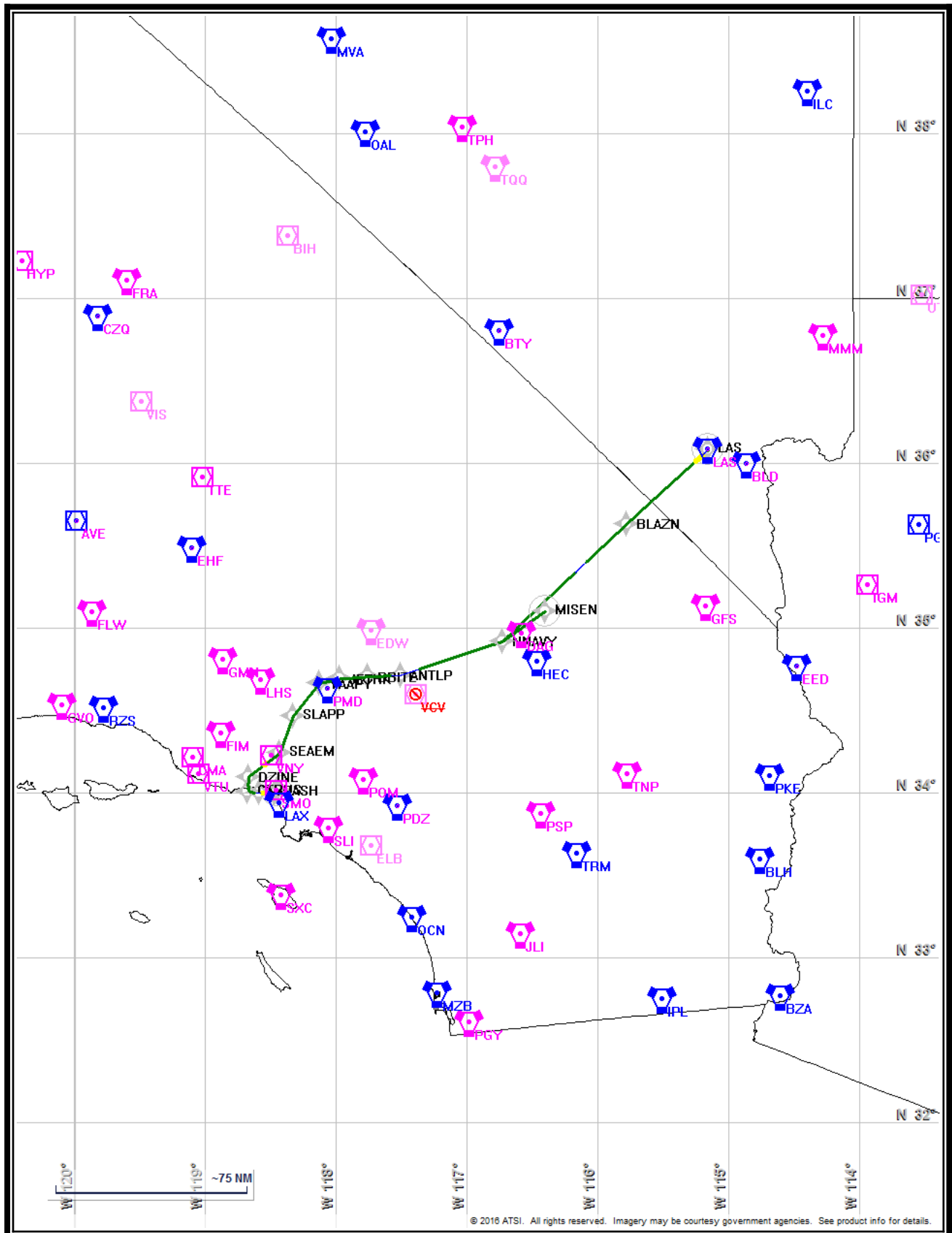


Comms



TERPS

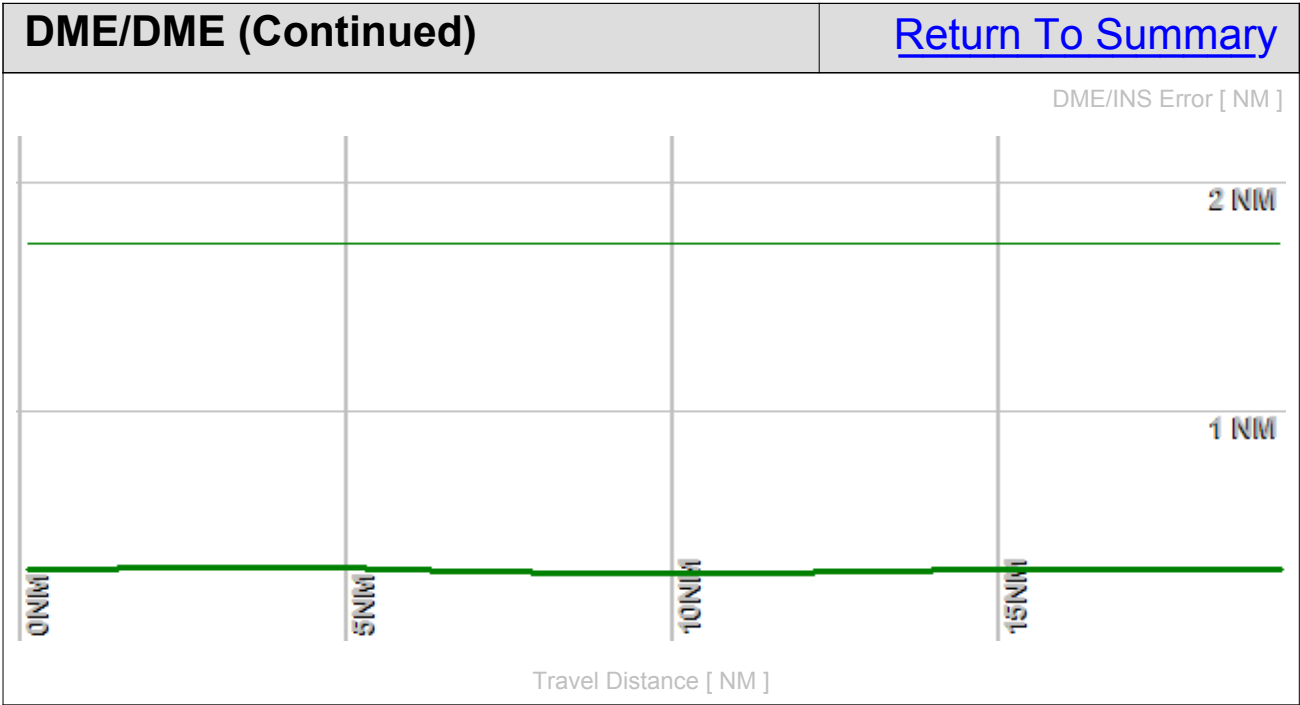




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
NNAVY	WP	N 34° 55' 10.68" W 116° 43' 40.88"	15000.0	Step	210.0	Fly By	TF
MISEN	WP	N 35° 6' 8.46" W 116° 24' 13.86"	15000.0	VNAV	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition Selected Airport: KSMO Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> 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: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

DME/DME	Return To Summary
Settings:	<p> 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 </p>
<p> Total Number of DMEs Used: 4 Maximum DME Error: 0.321 NM. No Critical DMEs were found. Available DMEs: PMD, TNP, DAG, HEC Disabled DMEs: VCV </p>	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L + ESV	User	NO	0.373	Enabled	51.0%	51.0%
2	DAG	N 34° 57' 44.84" W 116° 34' 41.40" 15 E	L	Database	NO	0.324	Enabled	9.0%	9.0%
3	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H + ESV	User	NO	0.594	Enabled	91.0%	91.0%
4	HEC	N 34° 47' 49.26" W 116° 27' 46.52" 15 E	H	Database	NO	0.321	Enabled	49.0%	49.0%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		TNP	PMD	DAG	HEC				

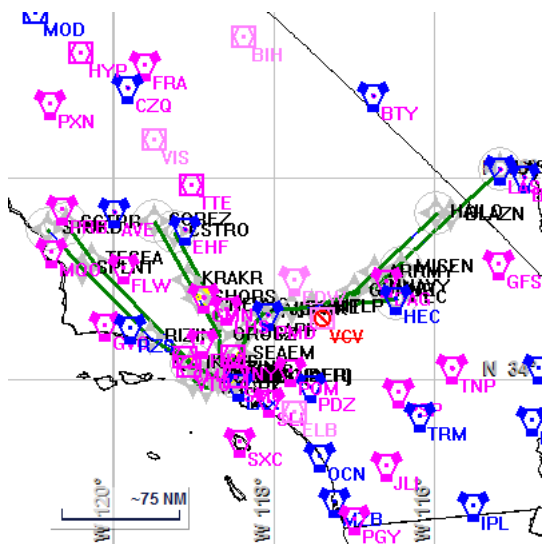
Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
NNAVY	MISEN	TNP, PMD, DAG, and HEC

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KSMO CTRUS1 SID RW21 LAS 20150805_0910.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H	2498.0	114.50	PMD	Used
Restriction:		Bearing [True]: 160.0° to 165.0° Bearing [Mag]: 145.0° to 150.0°			Distance: Beyond 20.0 NM Altitude: Below 14500.0 ft		
Restriction:		Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 120.0° to 145.0°			Distance: Beyond 20.0 NM Altitude: Below 15500.0 ft		
ESV:		Bearing [True]: 59.0° to 109.0° Bearing [Mag]: 44.0° to 94.0°			Arc Distance: Out to 112.0 NM Altitude: 14900.0 to 22000.0 ft		
ESV:		Bearing [True]: 273.0° to 313.0° Bearing [Mag]: 258.0° to 298.0°			Arc Distance: Out to 68.0 NM Altitude: 7900.0 to 18000.0 ft		
2	BTY	N 36° 48' 2.15" W 116° 44' 51.51" 16 E	H	2927.7	114.70	BTY	Not Used
Restriction:		Bearing [True]: 341.0° to 105.0° Bearing [Mag]: 325.0° to 89.0°			Distance: Beyond 9.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 16.0° to 76.0° Bearing [Mag]: 360.0° to 60.0°			Distance: Beyond 12.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 281.0° to 321.0° Bearing [Mag]: 265.0° to 305.0°			Distance: Beyond 30.0 NM Altitude: Below 10200.0 ft		
Restriction:		Bearing [True]: 211.0° to 226.0° Bearing [Mag]: 195.0° to 210.0°			Distance: Beyond 33.0 NM Altitude: Below 10500.0 ft		
Restriction:		Bearing [True]: 321.0° to 341.0° Bearing [Mag]: 305.0° to 325.0°			Distance: Beyond 28.0 NM Altitude: Below 9000.0 ft		
ESV:		Bearing [True]: 121.0° to 160.0° Bearing [Mag]: 105.0° to 144.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 18000.0 ft		
3	EED	N 34° 45' 57.62" W 114° 28' 26.78" 15 E	H	620.0	115.20	EED	Not Used
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 30.0 NM Altitude: Below 12000.0 ft		
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 ft		
Restriction:		Bearing [True]: 115.0° to 145.0° Bearing [Mag]: 100.0° to 130.0°			Distance: Beyond 27.0 NM Altitude: Below 6600.0 ft		
Restriction:		Bearing [True]: 185.0° to 235.0° Bearing [Mag]: 170.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 5800.0 ft		
Restriction:		Bearing [True]: 235.0° to 295.0° Bearing [Mag]: 220.0° to 280.0°			Distance: Beyond 35.0 NM Altitude: Below 6800.0 ft		
ESV:		Bearing [True]: 291.0° to 336.0° Bearing [Mag]: 276.0° to 321.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 16000.0 ft		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
4	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L	1373.9	114.20	TNP	Used
Restriction:		Bearing [True]: 95.0° to 110.0° Bearing [Mag]: 80.0° to 95.0°			Distance: Beyond 30.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 50.0° to 80.0° Bearing [Mag]: 35.0° to 65.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 205.0° to 260.0° Bearing [Mag]: 190.0° to 245.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 ft		
Restriction:		Bearing [True]: 185.0° to 205.0° Bearing [Mag]: 170.0° to 190.0°			Distance: Beyond 25.0 NM Altitude: Below 7000.0 ft		
Restriction:		Bearing [True]: 20.0° to 50.0° Bearing [Mag]: 5.0° to 35.0°			Distance: Beyond 18.0 NM Altitude: Below 6800.0 ft		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 25.0 NM Altitude: Below 7500.0 ft		
Restriction:		Bearing [True]: 110.0° to 165.0° Bearing [Mag]: 95.0° to 150.0°			Distance: Beyond 18.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 330.0° to 345.0° Bearing [Mag]: 315.0° to 330.0°			Distance: Beyond 33.0 NM Altitude: Below 6200.0 ft		
Restriction:		Bearing [True]: 360.0° to 20.0° Bearing [Mag]: 345.0° to 5.0°			Distance: Beyond 35.0 NM Altitude: Below 8300.0 ft		
Restriction:		Bearing [True]: 165.0° to 185.0° Bearing [Mag]: 150.0° to 170.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 ft		
Restriction:		Bearing [True]: 345.0° to 360.0° Bearing [Mag]: 330.0° to 345.0°			Distance: Beyond 20.0 NM Altitude: Below 6200.0 ft		
ESV:		Bearing [True]: 290.0° to 21.0° Bearing [Mag]: 275.0° to 6.0°			Arc Distance: Out to 89.0 NM Altitude: 13000.0 to 20000.0 ft		
5	BLD	N 35° 59' 44.84" W 114° 51' 48.88" 15 E	H	3641.9	116.70	BLD	Not Used
ESV:		Bearing [True]: 229.0° to 254.0° Bearing [Mag]: 214.0° to 239.0°			Arc Distance: Out to 71.0 NM Altitude: 15000.0 to 20000.0 ft		
6	LAS	N 36° 4' 46.93" W 115° 9' 35.27" 15 E	H	2135.8	116.90	LAS	Not Used
Restriction:		Bearing [True]: 40.0° to 175.0° Bearing [Mag]: 25.0° to 160.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 290.0° to 325.0° Bearing [Mag]: 275.0° to 310.0°			Distance: Beyond 35.0 NM Altitude: Below 16500.0 ft		
Restriction:		Bearing [True]: 215.0° to 40.0° Bearing [Mag]: 200.0° to 25.0°			Distance: Beyond 25.0 NM Altitude: Below 11000.0 ft		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 ft		
Restriction:		Bearing [True]: 235.0° to 260.0° Bearing [Mag]: 220.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 15000.0 ft		
Restriction:		Bearing [True]: 215.0° to 235.0° Bearing [Mag]: 200.0° to 220.0°			Distance: Beyond 15.0 NM Altitude: Below 9000.0 ft		
Restriction:		Bearing [True]: 275.0° to 290.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 ft		
Restriction:		Bearing [True]: 175.0° to 215.0° Bearing [Mag]: 160.0° to 200.0°			Distance: Beyond 20.0 NM Altitude: Below 9000.0 ft		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
7	LHS	N 34° 40' 58.70" W 118° 34' 36.98" 15 E	L	5790.0	108.40	LHS	Not Used
		ESV:	Bearing [True]: 71.0° to 119.0° Bearing [Mag]: 56.0° to 104.0°		Arc Distance: Out to 94.0 NM Altitude: 10800.0 to 24000.0 ft		
8	PDZ	N 33° 55' 6.85" W 117° 31' 46.42" 15 E	H	1432.4	112.20	PDZ	Not Used
		Restriction:	Bearing [True]: 205.0° to 245.0° Bearing [Mag]: 190.0° to 230.0°		Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
		Restriction:	Bearing [True]: 340.0° to 360.0° Bearing [Mag]: 325.0° to 345.0°		Distance: Beyond 25.0 NM Altitude: Below 11500.0 ft		
		Restriction:	Bearing [True]: 145.0° to 160.0° Bearing [Mag]: 130.0° to 145.0°		Distance: Beyond 25.0 NM Altitude: Below 5000.0 ft		
		Restriction:	Bearing [True]: 360.0° to 15.0° Bearing [Mag]: 345.0° to 360.0°		Distance: Beyond 35.0 NM Altitude: Below 10500.0 ft		
		Restriction:	Bearing [True]: 160.0° to 205.0° Bearing [Mag]: 145.0° to 190.0°		Distance: Beyond 0.0 NM Altitude: Below 8000.0 ft		
		Restriction:	Bearing [True]: 325.0° to 340.0° Bearing [Mag]: 310.0° to 325.0°		Distance: Beyond 35.0 NM Altitude: Below 10900.0 ft		
		ESV:	Bearing [True]: 7.0° to 18.0° Bearing [Mag]: 352.0° to 3.0°		Arc Distance: Out to 57.0 NM Altitude: 13000.0 to 16000.0 ft		
9	GMN	N 34° 48' 14.50" W 118° 51' 40.90" 16 E	L	4920.0	116.10	GMN	Not Used
		Restriction:	Bearing [True]: 206.0° to 236.0° Bearing [Mag]: 190.0° to 220.0°		Distance: Beyond 27.0 NM Altitude: Below 9500.0 ft		
		Restriction:	Bearing [True]: 296.0° to 316.0° Bearing [Mag]: 280.0° to 300.0°		Distance: Beyond 15.0 NM Altitude: Below 8000.0 ft		
		Restriction:	Bearing [True]: 271.0° to 296.0° Bearing [Mag]: 255.0° to 280.0°		Distance: Beyond 20.0 NM Altitude: Below 10500.0 ft		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 8.0 NM Altitude: Below 13000.0 ft		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 10.0 NM Altitude: Below 9999.0 ft		
		ESV:	Bearing [True]: 85.0° to 118.0° Bearing [Mag]: 69.0° to 102.0°		Arc Distance: Out to 89.0 NM Altitude: 10900.0 to 24000.0 ft		
10	VTU	N 34° 6' 53.64" W 119° 2' 56.84" 15 E	L	1560.0	108.20	VTU	Not Used
		Restriction:	Bearing [True]: 75.0° to 100.0° Bearing [Mag]: 60.0° to 85.0°		Distance: Beyond 10.0 NM Altitude: Below 13000.0 ft		
		ESV:	Bearing [True]: 44.0° to 71.0° Bearing [Mag]: 29.0° to 56.0°		Arc Distance: Out to 88.0 NM Altitude: 8000.0 to 20000.0 ft		
11	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H	710.0	117.10	AVE	Not Used
		ESV:	Bearing [True]: 97.0° to 141.0° Bearing [Mag]: 81.0° to 125.0°		Arc Distance: Out to 82.0 NM Altitude: 8400.0 to 16000.0 ft		

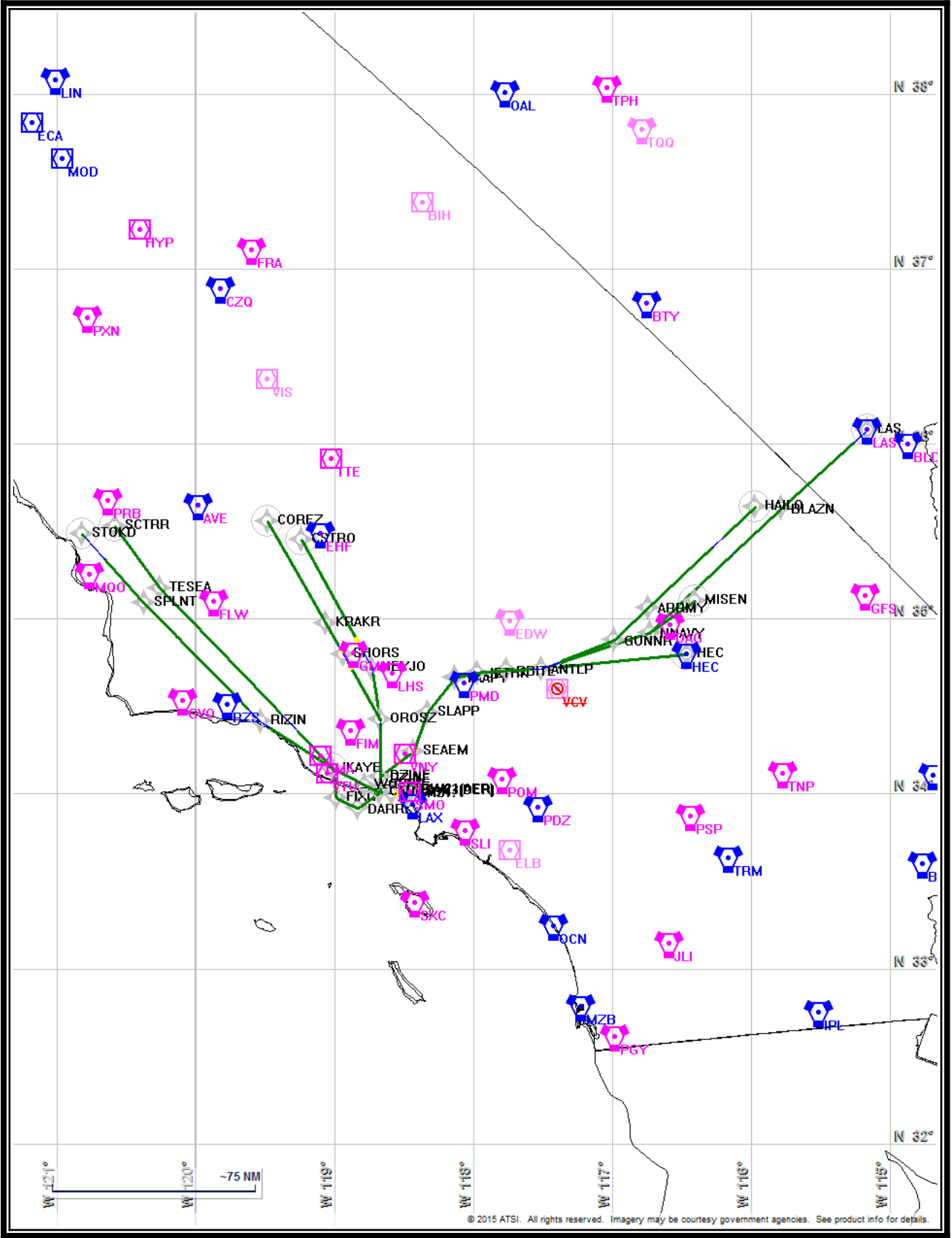
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
12	CZQ	N 36° 53' 3.56" W 119° 48' 54.52" 15 E	H	359.7	112.90	CZQ	Not Used
		ESV:	Bearing [True]: 159.0° to 174.0° Bearing [Mag]: 144.0° to 159.0°		Arc Distance: Out to 112.0 NM Altitude: 10900.0 to 20000.0 ft		
13	EHF	N 35° 29' 4.40" W 119° 5' 50.27" 14 E	H	548.1	115.40	EHF	Not Used
		ESV:	Bearing [True]: 189.0° to 258.0° Bearing [Mag]: 175.0° to 244.0°		Arc Distance: Out to 67.0 NM Altitude: 12000.0 to 16000.0 ft		



Name: Jeanette Roller
Project Name: KSMO CTRUS1
Output File: KSMO CTRUS1 SID RW21
 SCTRR 20150805_0908
Procedure Name: CTRUS1
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/5/2015 9:09:27 AM
Input File: [KSMO CTRUS1 SID RW21
 SCTRR 20140930_1010.txt](#)
Databases: AIRNAV Date: 7/7/2015
 CIFP Date: 2/5/2015
 DTED® (MAX) Date: 2002

Results Summary:

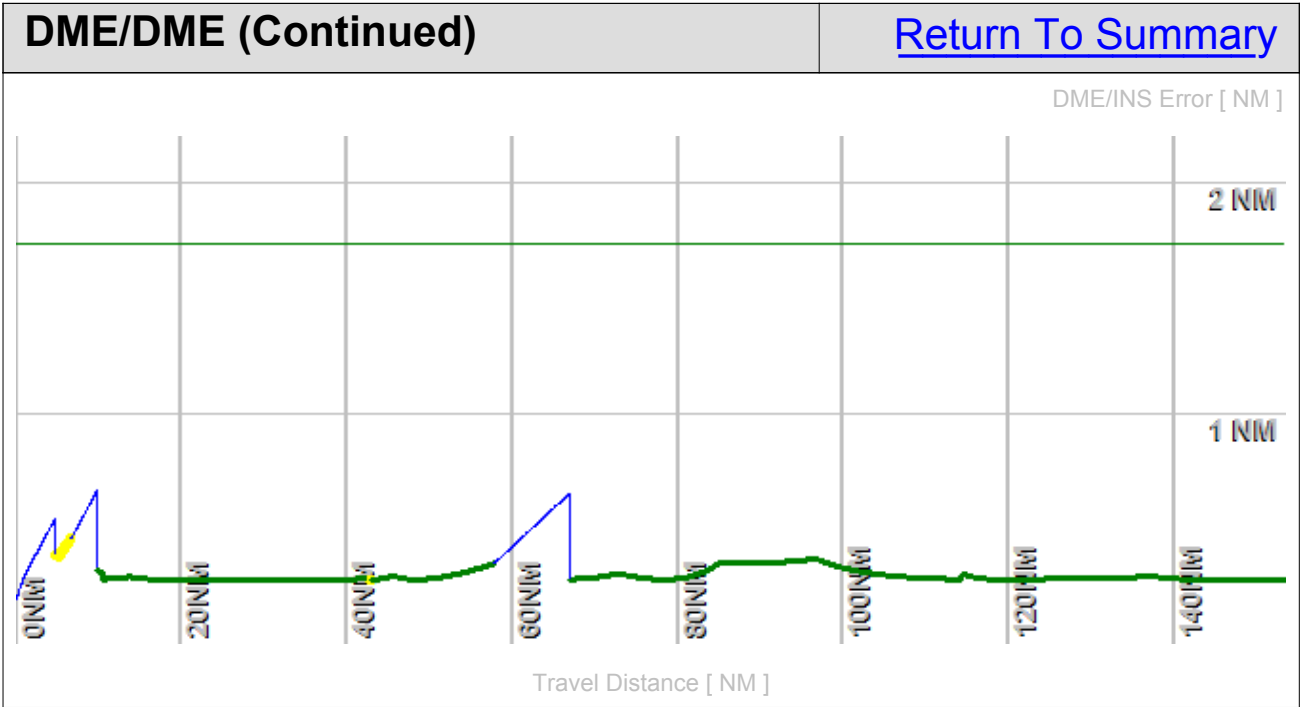
Flyability	✓	Please Check Flyability Results
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW21(A...	WP	N 34° 1' 14.48" W 118° 26' 43.96"	177.4	VNAV	0.0	Fly By	TF
RW03(D...	WP	N 34° 0' 39.44" W 118° 27' 25.43"	152.6	VNAV	130.0	Fly Over	VI
GH21:	WP	N 33° 59' 49.58" W 118° 28' 24.46"	1130.0	VNAV	145.0	Fly By	CF - 269.1°
WRASH	WP	N 34° 0' 2.48" W 118° 35' 12.63"	3326.0	VNAV	180.0	Fly By	TF
CTRUS	WP	N 34° 0' 23.18" W 118° 40' 33.81"	5056.0	VNAV	180.0	Fly By	TF
DARRK	WP	N 33° 55' 1.06" W 118° 49' 57.18"	8693.0	VNAV	180.0	Fly By	TF
FIXIT	WP	N 33° 58' 28.00" W 118° 59' 17.00"	12000.0	VNAV	210.0	Fly By	TF
IKAYE	WP	N 34° 8' 35.00" W 119° 0' 37.00"	12000.0	VNAV	210.0	Fly By	TF
TESEA	WP	N 35° 10' 18.91" W 120° 15' 22.87"	12000.0	VNAV	210.0	Fly By	TF
SCTRR	WP	N 35° 31' 35.79" W 120° 34' 54.69"	12000.0	VNAV	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Runway Departure Selected Airport: KSMO Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Departure: 120.0 Kts out to 10.0 NM Table: 200.0 Kts up to 11000.0 ft 240.0 Kts up to 18000.0 ft 260.0 Kts up to 24000.0 ft 340.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	<p>Required IAS at Fly-By WP CTRUS could not be reached with given A/C acceleration performance.</p> <p>Required IAS at Fly-By WP FIXIT could not be reached with given A/C acceleration performance.</p> <p>Flight Track comes into contact with terrain. Minimum AGL along route was -47.53 Ft.</p> <p>Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.</p>	

DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.165 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min DME Range: 3.0 NM	
	Allowed Gap Length: 4.0 NM	
	DME Types: VOR/DME, VORTAC, and User	
	DME Include Angles: 30 to 150	
	Critical DMEs: Allowed	
DoD Facilities: Not included		
Foreign Facilities: Not included		
Low & Terminal DMEs: Included		
Minimum MSL DMEs Avail: 2188 ft		
Total Number of DMEs Used: 15		
Maximum DME Error: 0.662 NM.		
No Critical DMEs were found.		
Available DMEs: SLI, LAX, POM, SMO, FIM, VNY, VTU, CMA, RZS, EHF, FLW, GVO, MQO, AVE, PRB		
Disabled DMEs: VCV		



DME/DME (Continued)			Return To Summary
<i>Inertial Drift Segments</i>			
#	Start Location	End Location	Length [NM]
1	N 34° 1' 14.48" W 118° 26' 43.96"	N 33° 59' 54.58" W 118° 31' 39.92"	4.7
	VOR: LAX	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.58" W 118° 31' 39.92"	
	VOR: FIM	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.58" W 118° 31' 39.92"	
	VOR: VNY	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.58" W 118° 31' 39.92"	
	VOR: VTU	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.58" W 118° 31' 39.92"	
	VOR: SLI	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.58" W 118° 31' 39.92"	
	VOR: POM	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.58" W 118° 31' 39.92"	
	VOR: CMA	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.58" W 118° 31' 39.92"	
	VOR: SMO	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.58" W 118° 31' 39.92"	
	VOR: SXC	Available from N 34° 1' 14.48" W 118° 26' 43.96" to N 33° 59' 54.58" W 118° 31' 39.92"	

DME/DME (Continued)			Return To Summary
<i>Inertial Drift Segments (Continued)</i>			
#	Start Location	End Location	Length [NM]
2	N 33° 59' 59.76" W 118° 33' 59.31"	N 34° 0' 12.10" W 118° 37' 42.57"	3.1
	VOR: LAX	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.57"	
	VOR: FIM	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.57"	
	VOR: VNY	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.57"	
	VOR: VTU	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.57"	
	VOR: SLI	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.57"	
	VOR: POM	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 2.07" W 118° 35' 1.79"	
	VOR: CMA	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.57"	
	VOR: SMO	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.57"	
	VOR: SXC	Available from N 33° 59' 59.76" W 118° 33' 59.31" to N 34° 0' 12.10" W 118° 37' 42.57"	

DME/DME (Continued)			Return To Summary
<i>Inertial Drift Segments (Continued)</i>			
#	Start Location	End Location	Length [NM]
3	N 34° 21' 25.76" W 119° 15' 56.54"	N 34° 27' 52.01" W 119° 23' 40.17"	9.1
	VOR: FIM	Available from N 34° 21' 25.76" W 119° 15' 56.54" to N 34° 27' 52.01" W 119° 23' 40.17"	
	VOR: GMN	Available from N 34° 21' 25.76" W 119° 15' 56.54" to N 34° 27' 52.01" W 119° 23' 40.17"	
	VOR: VNY	Available from N 34° 21' 25.76" W 119° 15' 56.54" to N 34° 21' 59.87" W 119° 16' 37.41"	
	VOR: VTU	Available from N 34° 21' 25.76" W 119° 15' 56.54" to N 34° 27' 52.01" W 119° 23' 40.17"	
	VOR: CMA	Available from N 34° 21' 25.76" W 119° 15' 56.54" to N 34° 27' 52.01" W 119° 23' 40.17"	
	VOR: LHS	Available from N 34° 21' 25.76" W 119° 15' 56.54" to N 34° 23' 5.23" W 119° 17' 55.77"	
	VOR: RZS	Available from N 34° 21' 25.76" W 119° 15' 56.54" to N 34° 27' 52.01" W 119° 23' 40.17"	
	VOR: GVO	Available from N 34° 23' 19.44" W 119° 18' 12.81" to N 34° 27' 52.01" W 119° 23' 40.17"	

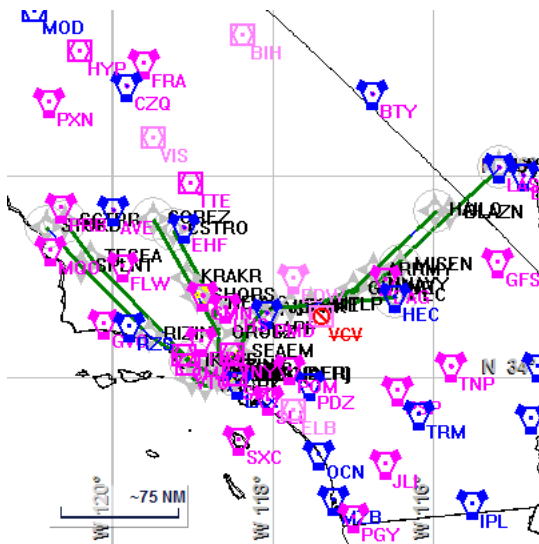
Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
RW21(AER)	RW03(DER)	
RW03(DER)	GH21:	
GH21:	WRASH	FIM, LAX, POM, SLI, and SMO
WRASH	CTRUS	FIM, LAX, SLI, SMO, and VNY
CTRUS	DARRK	VTU, FIM, LAX, SLI, SMO, and VNY
DARRK	FIXIT	VTU, CMA, FIM, LAX, SMO, and VNY
FIXIT	IKAYE	VTU, CMA, FIM, LAX, SMO, and VNY
IKAYE	TESEA	EHF, AVE, VTU, CMA, FIM, FLW, GVO, LAX, MQO, PRB, RZS, SMO, and VNY
TESEA	SCTRR	EHF, AVE, FLW, MQO, and PRB

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KSMO CTRUS1 IKAYE STOKD 20150528_1200.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H	2498.0	114.50	PMD	Not Used
Restriction:		Bearing [True]: 160.0° to 165.0° Bearing [Mag]: 145.0° to 150.0°			Distance: Beyond 20.0 NM Altitude: Below 14500.0 Ft.		
Restriction:		Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 120.0° to 145.0°			Distance: Beyond 20.0 NM Altitude: Below 15500.0 Ft.		
ESV:		Bearing [True]: 59.0° to 109.0° Bearing [Mag]: 44.0° to 94.0°			Arc Distance: Out to 112.0 NM Altitude: 14900.0 to 22000.0 Ft.		
ESV:		Bearing [True]: 273.0° to 313.0° Bearing [Mag]: 258.0° to 298.0°			Arc Distance: Out to 68.0 NM Altitude: 7900.0 to 18000.0 Ft.		
2	BTY	N 36° 48' 2.15" W 116° 44' 51.51" 16 E	H	2927.7	114.70	BTY	Not Used
Restriction:		Bearing [True]: 341.0° to 105.0° Bearing [Mag]: 325.0° to 89.0°			Distance: Beyond 9.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 16.0° to 76.0° Bearing [Mag]: 360.0° to 60.0°			Distance: Beyond 12.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 281.0° to 321.0° Bearing [Mag]: 265.0° to 305.0°			Distance: Beyond 30.0 NM Altitude: Below 10200.0 Ft.		
Restriction:		Bearing [True]: 211.0° to 226.0° Bearing [Mag]: 195.0° to 210.0°			Distance: Beyond 33.0 NM Altitude: Below 10500.0 Ft.		
Restriction:		Bearing [True]: 321.0° to 341.0° Bearing [Mag]: 305.0° to 325.0°			Distance: Beyond 28.0 NM Altitude: Below 9000.0 Ft.		
ESV:		Bearing [True]: 121.0° to 160.0° Bearing [Mag]: 105.0° to 144.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 18000.0 Ft.		
3	EED	N 34° 45' 57.62" W 114° 28' 26.78" 15 E	H	620.0	115.20	EED	Not Used
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 30.0 NM Altitude: Below 12000.0 Ft.		
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 Ft.		
Restriction:		Bearing [True]: 115.0° to 145.0° Bearing [Mag]: 100.0° to 130.0°			Distance: Beyond 27.0 NM Altitude: Below 6600.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 235.0° Bearing [Mag]: 170.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 5800.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 295.0° Bearing [Mag]: 220.0° to 280.0°			Distance: Beyond 35.0 NM Altitude: Below 6800.0 Ft.		
ESV:		Bearing [True]: 291.0° to 336.0° Bearing [Mag]: 276.0° to 321.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
4	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L	1373.9	114.20	TNP	Not Used
Restriction:		Bearing [True]: 95.0° to 110.0° Bearing [Mag]: 80.0° to 95.0°			Distance: Beyond 30.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 50.0° to 80.0° Bearing [Mag]: 35.0° to 65.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 205.0° to 260.0° Bearing [Mag]: 190.0° to 245.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 205.0° Bearing [Mag]: 170.0° to 190.0°			Distance: Beyond 25.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 20.0° to 50.0° Bearing [Mag]: 5.0° to 35.0°			Distance: Beyond 18.0 NM Altitude: Below 6800.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 25.0 NM Altitude: Below 7500.0 Ft.		
Restriction:		Bearing [True]: 110.0° to 165.0° Bearing [Mag]: 95.0° to 150.0°			Distance: Beyond 18.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 330.0° to 345.0° Bearing [Mag]: 315.0° to 330.0°			Distance: Beyond 33.0 NM Altitude: Below 6200.0 Ft.		
Restriction:		Bearing [True]: 360.0° to 20.0° Bearing [Mag]: 345.0° to 5.0°			Distance: Beyond 35.0 NM Altitude: Below 8300.0 Ft.		
Restriction:		Bearing [True]: 165.0° to 185.0° Bearing [Mag]: 150.0° to 170.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 345.0° to 360.0° Bearing [Mag]: 330.0° to 345.0°			Distance: Beyond 20.0 NM Altitude: Below 6200.0 Ft.		
ESV:		Bearing [True]: 290.0° to 21.0° Bearing [Mag]: 275.0° to 6.0°			Arc Distance: Out to 89.0 NM Altitude: 13000.0 to 20000.0 Ft.		
5	BLD	N 35° 59' 44.84" W 114° 51' 48.88" 15 E	H	3641.9	116.70	BLD	Not Used
ESV:		Bearing [True]: 229.0° to 254.0° Bearing [Mag]: 214.0° to 239.0°			Arc Distance: Out to 71.0 NM Altitude: 15000.0 to 20000.0 Ft.		
6	LAS	N 36° 4' 46.93" W 115° 9' 35.27" 15 E	H	2135.8	116.90	LAS	Not Used
Restriction:		Bearing [True]: 40.0° to 175.0° Bearing [Mag]: 25.0° to 160.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 290.0° to 325.0° Bearing [Mag]: 275.0° to 310.0°			Distance: Beyond 35.0 NM Altitude: Below 16500.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 40.0° Bearing [Mag]: 200.0° to 25.0°			Distance: Beyond 25.0 NM Altitude: Below 11000.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 260.0° Bearing [Mag]: 220.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 15000.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 235.0° Bearing [Mag]: 200.0° to 220.0°			Distance: Beyond 15.0 NM Altitude: Below 9000.0 Ft.		
Restriction:		Bearing [True]: 275.0° to 290.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 175.0° to 215.0° Bearing [Mag]: 160.0° to 200.0°			Distance: Beyond 20.0 NM Altitude: Below 9000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
7	LHS	N 34° 40' 58.70" W 118° 34' 36.98" 15 E	L	5790.0	108.40	LHS	Not Used
		ESV:	Bearing [True]: 71.0° to 119.0° Bearing [Mag]: 56.0° to 104.0°		Arc Distance: Out to 94.0 NM Altitude: 10800.0 to 24000.0 Ft.		
8	PDZ	N 33° 55' 6.85" W 117° 31' 46.42" 15 E	H	1432.4	112.20	PDZ	Not Used
		Restriction:	Bearing [True]: 205.0° to 245.0° Bearing [Mag]: 190.0° to 230.0°		Distance: Beyond 0.0 NM Altitude: Below 10000.0 Ft.		
		Restriction:	Bearing [True]: 340.0° to 360.0° Bearing [Mag]: 325.0° to 345.0°		Distance: Beyond 25.0 NM Altitude: Below 11500.0 Ft.		
		Restriction:	Bearing [True]: 145.0° to 160.0° Bearing [Mag]: 130.0° to 145.0°		Distance: Beyond 25.0 NM Altitude: Below 5000.0 Ft.		
		Restriction:	Bearing [True]: 360.0° to 15.0° Bearing [Mag]: 345.0° to 360.0°		Distance: Beyond 35.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 160.0° to 205.0° Bearing [Mag]: 145.0° to 190.0°		Distance: Beyond 0.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 325.0° to 340.0° Bearing [Mag]: 310.0° to 325.0°		Distance: Beyond 35.0 NM Altitude: Below 10900.0 Ft.		
		ESV:	Bearing [True]: 7.0° to 18.0° Bearing [Mag]: 352.0° to 3.0°		Arc Distance: Out to 57.0 NM Altitude: 13000.0 to 16000.0 Ft.		
9	GMN	N 34° 48' 14.50" W 118° 51' 40.90" 16 E	L	4920.0	116.10	GMN	Not Used
		Restriction:	Bearing [True]: 206.0° to 236.0° Bearing [Mag]: 190.0° to 220.0°		Distance: Beyond 27.0 NM Altitude: Below 9500.0 Ft.		
		Restriction:	Bearing [True]: 296.0° to 316.0° Bearing [Mag]: 280.0° to 300.0°		Distance: Beyond 15.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 271.0° to 296.0° Bearing [Mag]: 255.0° to 280.0°		Distance: Beyond 20.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 8.0 NM Altitude: Below 13000.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 10.0 NM Altitude: Below 9999.0 Ft.		
		ESV:	Bearing [True]: 85.0° to 118.0° Bearing [Mag]: 69.0° to 102.0°		Arc Distance: Out to 89.0 NM Altitude: 10900.0 to 24000.0 Ft.		
10	VTU	N 34° 6' 53.64" W 119° 2' 56.84" 15 E	L	1560.0	108.20	VTU	Used
		Restriction:	Bearing [True]: 75.0° to 100.0° Bearing [Mag]: 60.0° to 85.0°		Distance: Beyond 10.0 NM Altitude: Below 13000.0 Ft.		
		ESV:	Bearing [True]: 44.0° to 71.0° Bearing [Mag]: 29.0° to 56.0°		Arc Distance: Out to 88.0 NM Altitude: 8000.0 to 20000.0 Ft.		
11	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H	710.0	117.10	AVE	Used
		ESV:	Bearing [True]: 97.0° to 141.0° Bearing [Mag]: 81.0° to 125.0°		Arc Distance: Out to 82.0 NM Altitude: 8400.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
12	CZQ	N 36° 53' 3.56" W 119° 48' 54.52" 15 E	H	359.7	112.90	CZQ	Not Used
		ESV:	Bearing [True]: 159.0° to 174.0° Bearing [Mag]: 144.0° to 159.0°		Arc Distance: Out to 112.0 NM Altitude: 10900.0 to 20000.0 Ft.		
13	EHF	N 35° 29' 4.40" W 119° 5' 50.27" 14 E	H	548.1	115.40	EHF	Used
		ESV:	Bearing [True]: 189.0° to 258.0° Bearing [Mag]: 175.0° to 244.0°		Arc Distance: Out to 67.0 NM Altitude: 12000.0 to 16000.0 Ft.		



Name:	Jeanette Roller
Project Name:	KSMO CTRUS1
Output File:	KSMO CTRUS1 SID IKAYE STOKD 20150805_0919
Procedure Name:	CTRUS1
Software:	RNAV-Pro™
Version:	2.38
Date/Time:	8/5/2015 9:19:55 AM
Input File:	CTRUS IKAYE STOKD 20140930_1004.txt
Databases:	AIRNAV Date: 7/7/2015 CIFP Date: 2/5/2015 DTED® (MAX) Date: 2002

Flyability



DME/DME



No Critical DMEs Exist

Radars

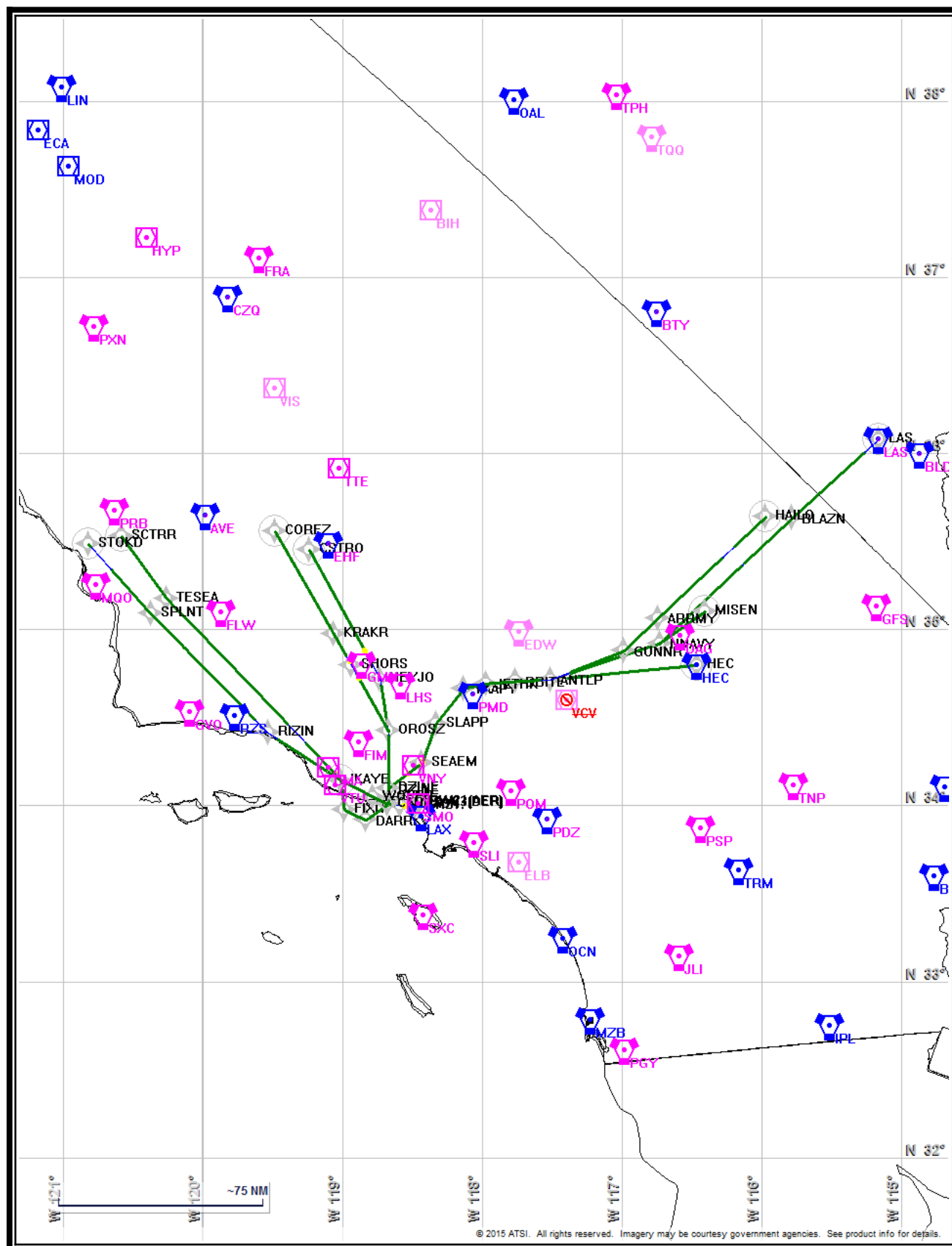


Comms



TERPS

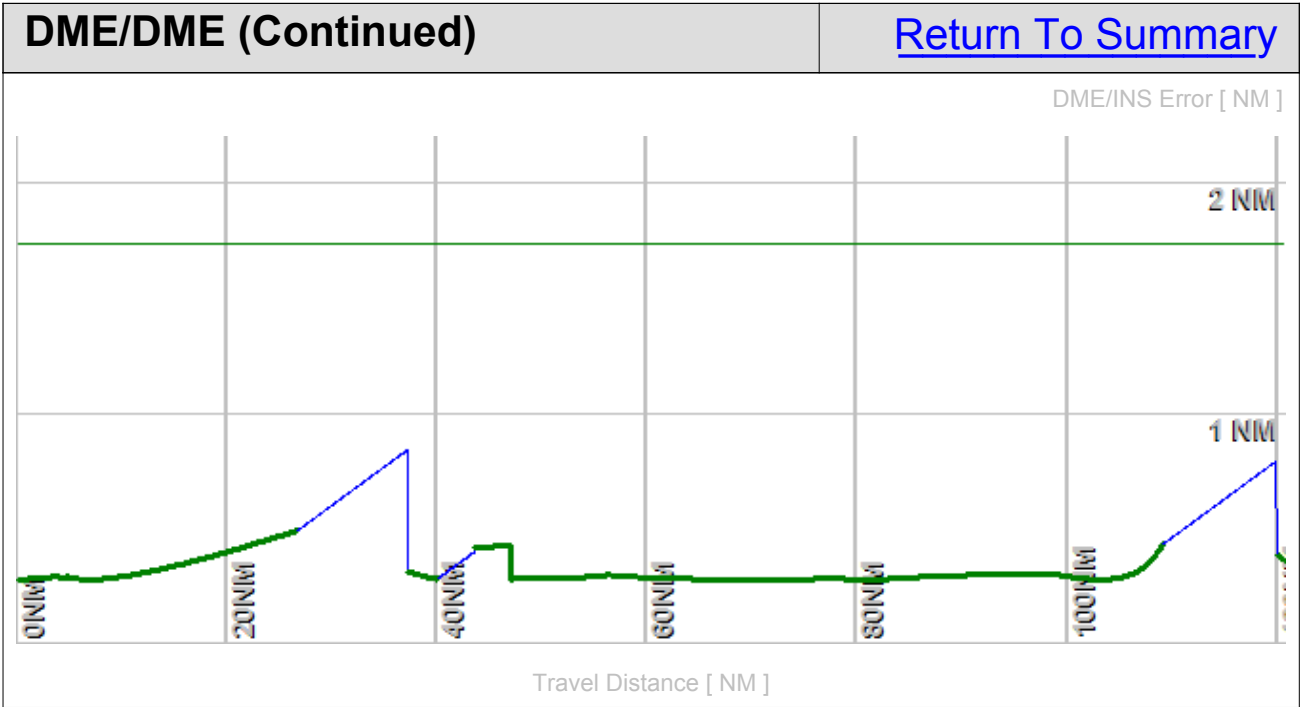




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
IKAYE	WP	N 34° 8' 35.00" W 119° 0' 37.00"	12000.0	Step	210.0	Fly By	TF
RIZIN	WP	N 34° 24' 39.97" W 119° 31' 57.04"	12000.0	VNAV	210.0	Fly By	TF
SPLNT	WP	N 35° 5' 15.00" W 120° 22' 21.51"	12000.0	VNAV	210.0	Fly By	TF
STOKD	WP	N 35° 29' 0.57" W 120° 49' 5.68"	12000.0	VNAV	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	<p>Flight Type: Departure Transition Selected Airport: KSMO Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> 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: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan</p>	
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	
Total Number of DMEs Used: 9		
Maximum DME Error: 0.839 NM.		
No Critical DMEs were found.		
Available DMEs: CMA, FIM, LAX, SMO, VNY, RZS, VTU, FLW, EHF, GVO, MQO, PRB		
Disabled DMEs: VCV		



DME/DME (Continued)			Return To Summary
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N 34° 22' 42.69" W 119° 28' 6.97"	N 34° 29' 20.97" W 119° 37' 43.09"	10.4
	VOR: FIM	Available from N 34° 22' 42.69" W 119° 28' 6.97" to N 34° 29' 20.97" W 119° 37' 43.09"	
	VOR: GMN	Available from N 34° 22' 42.69" W 119° 28' 6.97" to N 34° 23' 37.28" W 119° 29' 53.99"	
	VOR: GVO	Available from N 34° 22' 42.69" W 119° 28' 6.97" to N 34° 29' 20.97" W 119° 37' 43.09"	
	VOR: VTU	Available from N 34° 22' 42.69" W 119° 28' 6.97" to N 34° 29' 20.97" W 119° 37' 43.09"	
	VOR: CMA	Available from N 34° 22' 42.69" W 119° 28' 6.97" to N 34° 29' 20.97" W 119° 37' 43.09"	
	VOR: RZS	Available from N 34° 22' 42.69" W 119° 28' 6.97" to N 34° 29' 20.97" W 119° 37' 43.09"	
	VOR: FLW	Available from N 34° 27' 48.27" W 119° 35' 49.25" to N 34° 29' 20.97" W 119° 37' 43.09"	
2	N 34° 31' 24.53" W 119° 40' 15.01"	N 34° 33' 47.65" W 119° 43' 11.27"	3.4
	VOR: GVO	Available from N 34° 31' 24.53" W 119° 40' 15.01" to N 34° 33' 47.65" W 119° 43' 11.27"	
	VOR: VTU	Available from N 34° 31' 24.53" W 119° 40' 15.01" to N 34° 31' 49.79" W 119° 40' 46.10"	
	VOR: CMA	Available from N 34° 31' 24.53" W 119° 40' 15.01" to N 34° 33' 47.65" W 119° 43' 11.27"	
	VOR: FLW	Available from N 34° 31' 24.53" W 119° 40' 15.01" to N 34° 33' 47.65" W 119° 43' 11.27"	
	VOR: RZS	Available from N 34° 31' 24.53" W 119° 40' 15.01" to N 34° 33' 47.65" W 119° 43' 11.27"	

DME/DME (Continued)			Return To Summary
<i>Inertial Drift Segments (Continued)</i>			
#	Start Location	End Location	Length [NM]
3	N 35° 20' 24.86" W 120° 39' 22.86"	N 35° 28' 21.29" W 120° 48' 21.15"	10.8
	VOR: MQO	Available from N 35° 20' 24.86" W 120° 39' 22.86" to N 35° 28' 21.29" W 120° 48' 21.15"	
	VOR: AVE	Available from N 35° 20' 24.86" W 120° 39' 22.86" to N 35° 25' 13.17" W 120° 44' 48.25"	
	VOR: GLJ	Available from N 35° 20' 24.86" W 120° 39' 22.86" to N 35° 28' 21.29" W 120° 48' 21.15"	
	VOR: PRB	Available from N 35° 20' 24.86" W 120° 39' 22.86" to N 35° 28' 21.29" W 120° 48' 21.15"	

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
IKAYE	RIZIN	VTU, CMA, FIM, LAX, RZS, SMO, and VNY
RIZIN	SPLNT	EHF, VTU, FLW, GVO, MQO, PRB, and RZS
SPLNT	STOKD	FLW, GVO, MQO, and PRB

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KSMO CTRUS1 IKAYE STOKD 20150528_1200.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PMD	N 34° 37' 53.03" W 118° 3' 49.76" 15 E	H	2498.0	114.50	PMD	Not Used
Restriction:		Bearing [True]: 160.0° to 165.0° Bearing [Mag]: 145.0° to 150.0°			Distance: Beyond 20.0 NM Altitude: Below 14500.0 Ft.		
Restriction:		Bearing [True]: 135.0° to 160.0° Bearing [Mag]: 120.0° to 145.0°			Distance: Beyond 20.0 NM Altitude: Below 15500.0 Ft.		
ESV:		Bearing [True]: 59.0° to 109.0° Bearing [Mag]: 44.0° to 94.0°			Arc Distance: Out to 112.0 NM Altitude: 14900.0 to 22000.0 Ft.		
ESV:		Bearing [True]: 273.0° to 313.0° Bearing [Mag]: 258.0° to 298.0°			Arc Distance: Out to 68.0 NM Altitude: 7900.0 to 18000.0 Ft.		
2	BTY	N 36° 48' 2.15" W 116° 44' 51.51" 16 E	H	2927.7	114.70	BTY	Not Used
Restriction:		Bearing [True]: 341.0° to 105.0° Bearing [Mag]: 325.0° to 89.0°			Distance: Beyond 9.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 16.0° to 76.0° Bearing [Mag]: 360.0° to 60.0°			Distance: Beyond 12.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 281.0° to 321.0° Bearing [Mag]: 265.0° to 305.0°			Distance: Beyond 30.0 NM Altitude: Below 10200.0 Ft.		
Restriction:		Bearing [True]: 211.0° to 226.0° Bearing [Mag]: 195.0° to 210.0°			Distance: Beyond 33.0 NM Altitude: Below 10500.0 Ft.		
Restriction:		Bearing [True]: 321.0° to 341.0° Bearing [Mag]: 305.0° to 325.0°			Distance: Beyond 28.0 NM Altitude: Below 9000.0 Ft.		
ESV:		Bearing [True]: 121.0° to 160.0° Bearing [Mag]: 105.0° to 144.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 18000.0 Ft.		
3	EED	N 34° 45' 57.62" W 114° 28' 26.78" 15 E	H	620.0	115.20	EED	Not Used
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 30.0 NM Altitude: Below 12000.0 Ft.		
Restriction:		Bearing [True]: 180.0° to 235.0° Bearing [Mag]: 165.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 Ft.		
Restriction:		Bearing [True]: 115.0° to 145.0° Bearing [Mag]: 100.0° to 130.0°			Distance: Beyond 27.0 NM Altitude: Below 6600.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 235.0° Bearing [Mag]: 170.0° to 220.0°			Distance: Beyond 20.0 NM Altitude: Below 5800.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 295.0° Bearing [Mag]: 220.0° to 280.0°			Distance: Beyond 35.0 NM Altitude: Below 6800.0 Ft.		
ESV:		Bearing [True]: 291.0° to 336.0° Bearing [Mag]: 276.0° to 321.0°			Arc Distance: Out to 99.0 NM Altitude: 14900.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
4	TNP	N 34° 6' 44.04" W 115° 46' 11.66" 15 E	L	1373.9	114.20	TNP	Not Used
Restriction:		Bearing [True]: 95.0° to 110.0° Bearing [Mag]: 80.0° to 95.0°			Distance: Beyond 30.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 50.0° to 80.0° Bearing [Mag]: 35.0° to 65.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 205.0° to 260.0° Bearing [Mag]: 190.0° to 245.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 185.0° to 205.0° Bearing [Mag]: 170.0° to 190.0°			Distance: Beyond 25.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 20.0° to 50.0° Bearing [Mag]: 5.0° to 35.0°			Distance: Beyond 18.0 NM Altitude: Below 6800.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 25.0 NM Altitude: Below 7500.0 Ft.		
Restriction:		Bearing [True]: 110.0° to 165.0° Bearing [Mag]: 95.0° to 150.0°			Distance: Beyond 18.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 330.0° to 345.0° Bearing [Mag]: 315.0° to 330.0°			Distance: Beyond 33.0 NM Altitude: Below 6200.0 Ft.		
Restriction:		Bearing [True]: 360.0° to 20.0° Bearing [Mag]: 345.0° to 5.0°			Distance: Beyond 35.0 NM Altitude: Below 8300.0 Ft.		
Restriction:		Bearing [True]: 165.0° to 185.0° Bearing [Mag]: 150.0° to 170.0°			Distance: Beyond 20.0 NM Altitude: Below 7000.0 Ft.		
Restriction:		Bearing [True]: 345.0° to 360.0° Bearing [Mag]: 330.0° to 345.0°			Distance: Beyond 20.0 NM Altitude: Below 6200.0 Ft.		
ESV:		Bearing [True]: 290.0° to 21.0° Bearing [Mag]: 275.0° to 6.0°			Arc Distance: Out to 89.0 NM Altitude: 13000.0 to 20000.0 Ft.		
5	BLD	N 35° 59' 44.84" W 114° 51' 48.88" 15 E	H	3641.9	116.70	BLD	Not Used
ESV:		Bearing [True]: 229.0° to 254.0° Bearing [Mag]: 214.0° to 239.0°			Arc Distance: Out to 71.0 NM Altitude: 15000.0 to 20000.0 Ft.		
6	LAS	N 36° 4' 46.93" W 115° 9' 35.27" 15 E	H	2135.8	116.90	LAS	Not Used
Restriction:		Bearing [True]: 40.0° to 175.0° Bearing [Mag]: 25.0° to 160.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 Ft.		
Restriction:		Bearing [True]: 290.0° to 325.0° Bearing [Mag]: 275.0° to 310.0°			Distance: Beyond 35.0 NM Altitude: Below 16500.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 40.0° Bearing [Mag]: 200.0° to 25.0°			Distance: Beyond 25.0 NM Altitude: Below 11000.0 Ft.		
Restriction:		Bearing [True]: 260.0° to 275.0° Bearing [Mag]: 245.0° to 260.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 235.0° to 260.0° Bearing [Mag]: 220.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 15000.0 Ft.		
Restriction:		Bearing [True]: 215.0° to 235.0° Bearing [Mag]: 200.0° to 220.0°			Distance: Beyond 15.0 NM Altitude: Below 9000.0 Ft.		
Restriction:		Bearing [True]: 275.0° to 290.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 35.0 NM Altitude: Below 14000.0 Ft.		
Restriction:		Bearing [True]: 175.0° to 215.0° Bearing [Mag]: 160.0° to 200.0°			Distance: Beyond 20.0 NM Altitude: Below 9000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
7	LHS	N 34° 40' 58.70" W 118° 34' 36.98" 15 E	L	5790.0	108.40	LHS	Not Used
		ESV:	Bearing [True]: 71.0° to 119.0° Bearing [Mag]: 56.0° to 104.0°		Arc Distance: Out to 94.0 NM Altitude: 10800.0 to 24000.0 Ft.		
8	PDZ	N 33° 55' 6.85" W 117° 31' 46.42" 15 E	H	1432.4	112.20	PDZ	Not Used
		Restriction:	Bearing [True]: 205.0° to 245.0° Bearing [Mag]: 190.0° to 230.0°		Distance: Beyond 0.0 NM Altitude: Below 10000.0 Ft.		
		Restriction:	Bearing [True]: 340.0° to 360.0° Bearing [Mag]: 325.0° to 345.0°		Distance: Beyond 25.0 NM Altitude: Below 11500.0 Ft.		
		Restriction:	Bearing [True]: 145.0° to 160.0° Bearing [Mag]: 130.0° to 145.0°		Distance: Beyond 25.0 NM Altitude: Below 5000.0 Ft.		
		Restriction:	Bearing [True]: 360.0° to 15.0° Bearing [Mag]: 345.0° to 360.0°		Distance: Beyond 35.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 160.0° to 205.0° Bearing [Mag]: 145.0° to 190.0°		Distance: Beyond 0.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 325.0° to 340.0° Bearing [Mag]: 310.0° to 325.0°		Distance: Beyond 35.0 NM Altitude: Below 10900.0 Ft.		
		ESV:	Bearing [True]: 7.0° to 18.0° Bearing [Mag]: 352.0° to 3.0°		Arc Distance: Out to 57.0 NM Altitude: 13000.0 to 16000.0 Ft.		
9	GMN	N 34° 48' 14.50" W 118° 51' 40.90" 16 E	L	4920.0	116.10	GMN	Not Used
		Restriction:	Bearing [True]: 206.0° to 236.0° Bearing [Mag]: 190.0° to 220.0°		Distance: Beyond 27.0 NM Altitude: Below 9500.0 Ft.		
		Restriction:	Bearing [True]: 296.0° to 316.0° Bearing [Mag]: 280.0° to 300.0°		Distance: Beyond 15.0 NM Altitude: Below 8000.0 Ft.		
		Restriction:	Bearing [True]: 271.0° to 296.0° Bearing [Mag]: 255.0° to 280.0°		Distance: Beyond 20.0 NM Altitude: Below 10500.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 8.0 NM Altitude: Below 13000.0 Ft.		
		Restriction:	Bearing [True]: 236.0° to 271.0° Bearing [Mag]: 220.0° to 255.0°		Distance: Beyond 10.0 NM Altitude: Below 9999.0 Ft.		
		ESV:	Bearing [True]: 85.0° to 118.0° Bearing [Mag]: 69.0° to 102.0°		Arc Distance: Out to 89.0 NM Altitude: 10900.0 to 24000.0 Ft.		
10	VTU	N 34° 6' 53.64" W 119° 2' 56.84" 15 E	L	1560.0	108.20	VTU	Used
		Restriction:	Bearing [True]: 75.0° to 100.0° Bearing [Mag]: 60.0° to 85.0°		Distance: Beyond 10.0 NM Altitude: Below 13000.0 Ft.		
		ESV:	Bearing [True]: 44.0° to 71.0° Bearing [Mag]: 29.0° to 56.0°		Arc Distance: Out to 88.0 NM Altitude: 8000.0 to 20000.0 Ft.		
11	AVE	N 35° 38' 49.11" W 119° 58' 42.98" 16 E	H	710.0	117.10	AVE	Not Used
		ESV:	Bearing [True]: 97.0° to 141.0° Bearing [Mag]: 81.0° to 125.0°		Arc Distance: Out to 82.0 NM Altitude: 8400.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
12	CZQ	N 36° 53' 3.56" W 119° 48' 54.52" 15 E	H	359.7	112.90	CZQ	Not Used
		ESV:	Bearing [True]: 159.0° to 174.0° Bearing [Mag]: 144.0° to 159.0°		Arc Distance: Out to 112.0 NM Altitude: 10900.0 to 20000.0 Ft.		
13	EHF	N 35° 29' 4.40" W 119° 5' 50.27" 14 E	H	548.1	115.40	EHF	Used
		ESV:	Bearing [True]: 189.0° to 258.0° Bearing [Mag]: 175.0° to 244.0°		Arc Distance: Out to 67.0 NM Altitude: 12000.0 to 16000.0 Ft.		