

BAUBB RNAV

Point Of Contact

Organization Name - Southern California Metroplex

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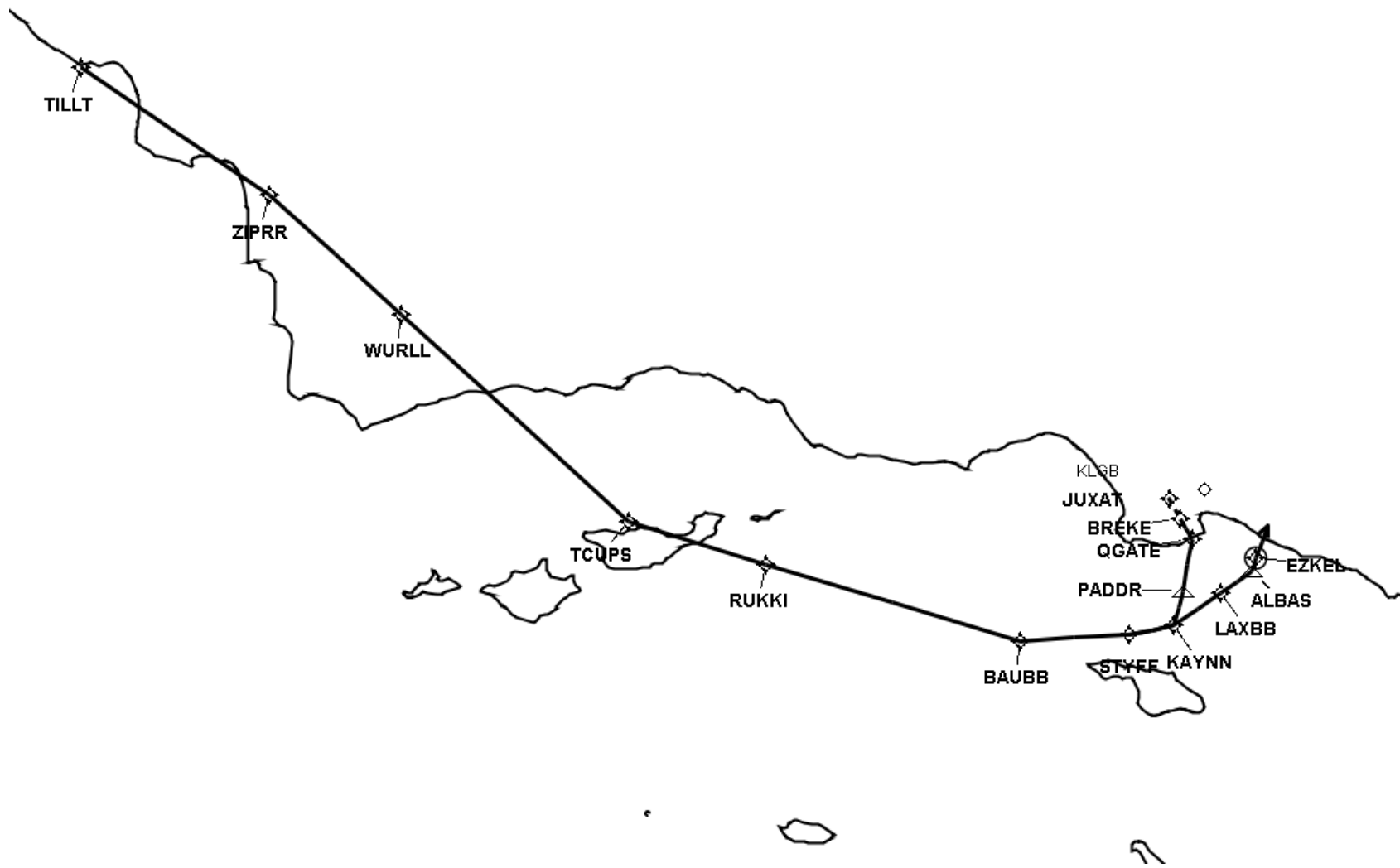
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TARGETS Distribution Package

Version:5.0.4.1

Date: Mon Jul 13 15:18:40 PDT 2015



BAUBB RNAV

En Route Transition Data - TILLT

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
	TILLT WP	N35 27 13.22	W121 00 03.51		IF										
	ZIPRR WP	N35 02 44.53	W120 33 42.86	FB	TF	138.43	124.43	32.60			17000	4100			
	WURLL WP	N34 41 33.87	W120 16 36.17	FB	TF	146.26	132.26	25.40			17000	4200			
	TCUPS WP	N34 04 31.05	W119 47 09.64	FB	TF	146.48	132.48	44.29	+26000	280	17000	5100			
	RUUKI WP	N33 53 53.00	W119 25 59.00	FB	TF	120.98	106.98	20.56	+21000		17000	4700			
	BAUBB WP	N33 34 18.00	W118 46 29.11	FB	TF	120.50	106.50	38.30	+11000 -14000		11000	2300			

Common Route Data - BAUBB

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
	BAUBB WP	N33 34 18.00	W118 46 29.11		IF				+11000 -14000						
	STYFF WP	N33 31 18.00	W118 27 56.40	FB	TF	100.85	86.85	15.79	-9000		4000	2300			

Runway Transition Data - KLGB:RW12

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
	STYFF WP	N33 31 18.00	W118 27 56.40		IF				-9000						
	KAYNN WP	N33 31 05.60	W118 19 55.30	FB	TF	91.73	77.73	6.71	-7000		3000	2300			
AVNIS	PADDR WP	N33 35 29.88	W118 17 00.66	FB	TF	28.94	14.94	5.02	+3000 -6000		3000	2300			
AVNIS	QGATE WP	N33 42 31.68	W118 13 22.02	FB	TF	23.42	9.42	7.65	+3000		2500	2500			
AVNIS	BREKE WP	N33 45 46.07	W118 14 22.11	FB	TF	345.52	331.52	3.34	3000		2500	2500			

Runway Transition Data - KLGB:RW25R,RW30

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
	STYFF WP	N33 31 18.00	W118 27 56.40		IF				-9000						
	KAYNN WP	N33 31 05.60	W118 19 55.30	FB	TF	91.73	77.73	6.71	-7000		3000	2300			
	LAXBB WP	N33 34 03.00	W118 10 40.80	FB	TF	69.05	55.05	8.27	-5000		3000	2300			
AVNIS	ALBAS WP	N33 35 58.68	W118 04 40.16	FB	TF	69.00	55.00	5.38	4000		3000	2300			
	EZKEL WP	N33 37 38.35	W118 03 19.79	FO	TF	34.00	20.00	2.00			2300	2300			
	EZKEL WP	N33 37 38.35	W118 03 19.79		FM	34.00	20.00								

Waypoint Data

DB	Waypoint	Arc Center	Lat-Long (DMS.S)	Latitude (Deg)	Longitude (Deg)	Latitude (D°, M.mm')	Longitude (D°, M.mm')	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")
AVNIS	ALBAS WP		333558.68N-1180440.16W	N 33.5996333	W 118.0778222	N33 35.978	W118 04.669	N33 35 58.68	W118 04 40.16
	BAUBB WP		333418.00N-1184629.11W	N 33.5716667	W 118.7747517	N33 34.300	W118 46.485	N33 34 18.00	W118 46 29.11
AVNIS	BREKE WP		334546.07N-1181422.11W	N 33.7627972	W 118.2394750	N33 45.768	W118 14.368	N33 45 46.07	W118 14 22.11
	EZKEL WP		333738.35N-1180319.79W	N 33.6273200	W 118.0554964	N33 37.639	W118 03.330	N33 37 38.35	W118 03 19.79
AVNIS	IPL VORTAC		324455.92N-1153030.90W	N 32.7488667	W 115.5085833	N32 44.932	W115 30.515	N32 44 55.92	W115 30 30.90
	KAYNN WP		333105.60N-1181955.30W	N 33.5182222	W 118.3320278	N33 31.093	W118 19.922	N33 31 05.60	W118 19 55.30
	LAXBB WP		333403.00N-1181040.80W	N 33.5675000	W 118.1780000	N33 34.050	W118 10.680	N33 34 03.00	W118 10 40.80
AVNIS	PADDR WP		333529.88N-1181700.66W	N 33.5916333	W 118.2835167	N33 35.498	W118 17.011	N33 35 29.88	W118 17 00.66
AVNIS	QGATE WP		334231.68N-1181322.02W	N 33.7088000	W 118.2227833	N33 42.528	W118 13.367	N33 42 31.68	W118 13 22.02
	RUKKI WP		335353.00N-1192559.00W	N 33.8980556	W 119.4330556	N33 53.883	W119 25.983	N33 53 53.00	W119 25 59.00
	STYFF WP		333118.00N-1182756.40W	N 33.5216667	W 118.4656667	N33 31.300	W118 27.940	N33 31 18.00	W118 27 56.40
	TCUPS WP		340431.05N-1194709.64W	N 34.0752914	W 119.7860122	N34 04.517	W119 47.161	N34 04 31.05	W119 47 09.64
	TILLT WP		352713.22N-1210003.51W	N 35.4536736	W 121.0009738	N35 27.220	W121 00.058	N35 27 13.22	W121 00 03.51
	WURLL WP		344133.87N-1201636.17W	N 34.6927403	W 120.2767132	N34 41.564	W120 16.603	N34 41 33.87	W120 16 36.17
	ZIPRR WP		350244.53N-1203342.86W	N 35.0457021	W 120.5619054	N35 02.742	W120 33.714	N35 02 44.53	W120 33 42.86

RS Results BAUBB

Last Evaluation: 13-Jul-2015 15:14:45
Reference Software Version: 1.5.2

Route Evaluation for TILLT:BAUBB:KLGB:RW12

TILLT:BAUBB:KLGB:RW12 Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	TILLT						0.0	0.0
TF	ZIPRR	FLY_BY				7.57	32.6	1.0
TF	WURLL	FLY_BY				0.06	25.4	1.0
TF	TCUPS	FLY_BY	+26000.0		280.0	25.78	44.29	11.91
TF	RUKKI	FLY_BY	+21000.0			0.68	20.56	11.91
TF	BAUBB	FLY_BY	+11000.0	-14000.0		20.02	38.3	2.58
TF	STYFF	FLY_BY	-9000.0			9.29	15.79	2.58
TF	KAYNN	FLY_BY	-7000.0			62.86	6.71	2.29
TF	PADDR	FLY_BY	+3000.0	-6000.0		5.55	5.02	2.29
TF	QGATE	FLY_BY	+3000.0			37.93	7.65	1.56
TF	BREKE	FLY_BY	3000.0				3.34	1.56

TILLT:BAUBB:KLGB:RW12 Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
IF	TILLT				0.0	0.0							0.0	0.0				
TF	ZIPRR	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	3.58	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	WURLL	FLY_BY	3.58	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.03	54.11	38411.87	300.0	5.0	123.0	596.0	570.0
TF	TCUPS	FLY_BY	0.03	54.11	38411.87	300.0	5.0	123.0	596.0	570.0	11.91	52.05	27339.61	280.0	5.0	101.0	450.0	559.0
TF	RUKKI	FLY_BY	11.91	52.05	27339.61	280.0	5.0	101.0	450.0	559.0	0.25	42.98	22199.21	280.0	5.0	91.0	410.0	508.0
TF	BAUBB	FLY_BY	0.25	42.98	22199.21	280.0	5.0	91.0	410.0	508.0	2.58	14.63	12623.3	280.0	10.01	72.0	349.0	421.0
TF	STYFF	FLY_BY	2.58	14.63	12623.3	280.0	10.01	72.0	349.0	421.0	1.86	22.85	8676.71	250.0	4.65	64.0	293.0	357.0
TF	KAYNN	FLY_BY	1.86	22.85	8676.71	250.0	4.65	64.0	293.0	357.0	2.29	3.74	7000.0	250.0	25.0	61.0	285.0	346.0
TF	PADDR	FLY_BY	2.29	3.74	7000.0	250.0	25.0	61.0	285.0	346.0	1.66	34.36	5747.03	250.0	2.77	58.0	280.0	338.0
TF	QGATE	FLY_BY	1.66	34.36	5747.03	250.0	2.77	58.0	280.0	338.0	1.56	4.53	3835.01	250.0	18.97	55.0	272.0	327.0
TF	BREKE	FLY_BY	1.56	4.53	3835.01	250.0	18.97	55.0	272.0	327.0	0.0		3000.0	250.0	0.0	53.0	268.0	321.0

TILLT:BAUBB:KLGB:RW12 Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
TILLT	ZIPRR	TerrainPt_13_TILLT:BAUBB:KLGB:RW12_TILLT:ZIPRR		4E (+-250/+125)	N35° 13' 18.00"	W120° 47' 36.00"	1820.87	true	P	2000.0		4021	4020.87	13-Jul-2015 15:18:10
ZIPRR	WURLL	TerrainPt_9_TILLT:BAUBB:KLGB:RW12_ZIPRR:WURLL		4E (+-250/+125)	N34° 41' 27.00"	W120° 16' 03.00"	1975.07	true	P	2000.0		4176	4175.07	13-Jul-2015 15:18:10
WURLL	TCUPS	TerrainPt_36_TILLT:BAUBB:KLGB:RW12_WURLL:TCUPS		4E (+-250/+125)	N34° 31' 45.00"	W120° 00' 18.00"	3854.99	true	S	1042.73		5098	5097.72	13-Jul-2015 15:18:10
TCUPS	RUKKI	TerrainPt_0_TILLT:BAUBB:KLGB:RW12_TCUPS:RUKKI		4E (+-250/+125)	N34° 01' 42.00"	W119° 47' 06.00"	2427.82	true	P	2000.0		4628	4627.82	13-Jul-2015 15:18:11
RUKKI	BAUBB	UDO 9396	UDO	4D (+-250/+50)	N33° 45' 21.92"	W119° 05' 26.42"	219.0	true	P	2000.0		2219	2219.0	22-Jun-2015 10:48:41
BAUBB	STYFF	UDO 9398	UDO	4D (+-250/+50)	N33° 33' 49.24"	W118° 35' 37.64"	219.0	true	P	2000.0		2219	2219.0	22-Jun-2015 10:49:19
STYFF	KAYNN	UDO 9400	UDO	4D (+-250/+50)	N33° 31' 58.92"	W118° 22' 34.38"	219.0	true	P	2000.0		2219	2219.0	22-Jun-2015 10:50:06
KAYNN	PADDR	UDO 9399	UDO	4D (+-250/+50)	N33° 33' 03.84"	W118° 16' 53.13"	219.0	true	P	2000.0		2219	2219.0	22-Jun-2015 10:49:50
PADDR	QGATE	06-022790	AVNII	7E (+-3038/+125)	N33° 43' 31.80"	W118° 15' 33.07"	420.0	true	P	2000.0		2420	2420.0	22-Jun-2015 10:51:21
QGATE	BREKE	06-022791	AVNII	7E (+-3038/+125)	N33° 43' 32.45"	W118° 15' 32.69"	420.0	true	P	2000.0		2420	2420.0	22-Jun-2015 10:51:21

TILLT:BAUBB:KLGB:RW12 Criteria Failures

No failures.

Route Evaluation for TILLT:BAUBB:KLGB:RW25R,RW30

TILLT:BAUBB:KLGB:RW25R,RW30 Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	TILLT						0.0	0.0
TF	ZIPRR	FLY_BY				7.57	32.6	1.0
TF	WURLL	FLY_BY				0.06	25.4	1.0
TF	TCUPS	FLY_BY	+26000.0		280.0	25.78	44.29	11.91
TF	RUKKI	FLY_BY	+21000.0			0.68	20.56	11.91
TF	BAUBB	FLY_BY	+11000.0	-14000.0		20.02	38.3	2.58
TF	STYFF	FLY_BY	-9000.0			9.29	15.79	2.58
TF	KAYNN	FLY_BY	-7000.0			22.75	6.71	1.74
TF	LAXBB	FLY_BY	-5000.0			0.13	8.27	1.74
TF	ALBAS	FLY_BY	4000.0			35.06	5.38	1.56
TF	EZKEL	FLY_OVER					2.0	1.56
FM							0.0	0.0

TILLT:BAUBB:KLGB:RW25R,RW30 Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
IF	TILLT				0.0	0.0							0.0	0.0				
TF	ZIPRR	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	3.58	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	WURLL	FLY_BY	3.58	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.03	54.11	38411.87	300.0	5.0	123.0	596.0	570.0
TF	TCUPS	FLY_BY	0.03	54.11	38411.87	300.0	5.0	123.0	596.0	570.0	11.91	52.05	27339.61	280.0	5.0	101.0	450.0	559.0
TF	RUKKI	FLY_BY	11.91	52.05	27339.61	280.0	5.0	101.0	450.0	559.0	0.25	42.98	22199.21	280.0	5.0	91.0	410.0	508.0
TF	BAUBB	FLY_BY	0.25	42.98	22199.21	280.0	5.0	91.0	410.0	508.0	2.58	14.63	12623.3	280.0	10.01	72.0	349.0	421.0
TF	STYFF	FLY_BY	2.58	14.63	12623.3	280.0	10.01	72.0	349.0	421.0	1.86	22.85	8676.71	250.0	4.65	64.0	293.0	357.0
TF	KAYNN	FLY_BY	1.86	22.85	8676.71	250.0	4.65	64.0	293.0	357.0	1.74	8.67	7000.0	250.0	11.38	61.0	285.0	346.0
TF	LAXBB	FLY_BY	1.74	8.67	7000.0	250.0	11.38	61.0	285.0	346.0	0.1	92.57	5000.0	250.0	1.0	57.0	276.0	333.0
TF	ALBAS	FLY_BY	0.1	92.57	5000.0	250.0	1.0	57.0	276.0	333.0	1.56	4.93	4000.0	250.0	17.53	55.0	272.0	327.0
TF	EZKEL	FLY_OVER	1.56	4.93	4000.0	250.0	17.53	55.0	272.0	327.0	0.0		2300.0	250.0	0.0	52.0	265.0	317.0
FM			0.0		2300.0	250.0	0.0	52.0	265.0	317.0			0.0	0.0				

TILLT:BAUBB:KLGB:RW25R,RW30 Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V) (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
TILLT	ZIPRR	TerrainPt_13_TILLT:BAUBB:KLGB:RW12_TILLT:ZIPRR		4E (+-250/+125)	N35° 13' 18.00"	W120° 47' 36.00"	1820.87	true	P	2000.0		4021	4020.87	13-Jul-2015 15:18:10
ZIPRR	WURLL	TerrainPt_9_TILLT:BAUBB:KLGB:RW12_ZIPRR:WURLL		4E (+-250/+125)	N34° 41' 27.00"	W120° 16' 03.00"	1975.07	true	P	2000.0		4176	4175.07	13-Jul-2015 15:18:10
WURLL	TCUPS	TerrainPt_36_TILLT:BAUBB:KLGB:RW12_WURLL:TCUPS		4E (+-250/+125)	N34° 31' 45.00"	W120° 00' 18.00"	3854.99	true	S	1042.73		5098	5097.72	13-Jul-2015 15:18:10
TCUPS	RUKKI	TerrainPt_0_TILLT:BAUBB:KLGB:RW12_TCUPS:RUKKI		4E (+-250/+125)	N34° 01' 42.00"	W119° 47' 06.00"	2427.82	true	P	2000.0		4628	4627.82	13-Jul-2015 15:18:11
RUKKI	BAUBB	UDO 9396	UDO	4D (+-250/+50)	N33° 45' 21.92"	W119° 05' 26.42"	219.0	true	P	2000.0		2219	2219.0	22-Jun-2015 10:48:41
BAUBB	STYFF	UDO 9398	UDO	4D (+-250/+50)	N33° 33' 49.24"	W118° 35' 37.64"	219.0	true	P	2000.0		2219	2219.0	22-Jun-2015 10:49:19
STYFF	KAYNN	UDO 9400	UDO	4D (+-250/+50)	N33° 31' 58.92"	W118° 22' 34.38"	219.0	true	P	2000.0		2219	2219.0	22-Jun-2015 10:50:06
KAYNN	LAXBB	UDO 9399	UDO	4D (+-250/+50)	N33° 33' 03.84"	W118° 16' 53.13"	219.0	true	P	2000.0		2219	2219.0	22-Jun-2015 10:49:50
LAXBB	ALBAS	UDO 9401	UDO	4D (+-250/+50)	N33° 36' 03.40"	W118° 06' 37.35"	219.0	true	P	2000.0		2219	2219.0	22-Jun-2015 10:50:24
ALBAS	EZKEL	UDO 81247	UDO	4D (+-250/+50)	N33° 36' 29.51"	W118° 02' 37.83"	219.0	true	P	2000.0		2219	2219.0	22-Jun-2015 11:21:18

TILLT:BAUBB:KLGB:RW25R,RW30 Criteria Failures

No failures.

Evaluation Input

Name:	RS Results BAUBB
Project:	LGB BAUBB STAR paperwork_20150713
Last evaluated:	13-Jul-2015 15:14:45
Evaluated obstacles?:	true
Obstacle Database:	AVNII
Evaluated terrain?:	true
Worst Case Vegetation Height (ft) AGL:	0

Terrain Information

Terrain Extractor Name	Extractor Location	Extractor Type	Resolution
DTED 3 Sec	C:\Program Files (x86)\TARGETS\data\DTED-3Sec	org.mitre.caasd.terrain.DTEExtractor	3.0

Procedure Criteria Failures

BAUBB RNAV

No failures.

Evaluation Notes and Warnings

No failures.

Obstacles Requiring Accuracy Code Verification

None.

Database Effective Dates

Database	Date
Tiled AVNII	N/A
OEAAA	N/A
NFDC	06/25/2015
IFP_OFFLINE	N/A
AVNIS	07/13/2015
DOF	05/28/2015
AVNII_OFFLINE	N/A
AVNII	07/13/2015
CIFP	06/25/2015

Notes:

Point obstacles with MSL/AGL elevations of 219 FT added to sections over water per FPT instruction.