

ROOBY RNAV

Point Of Contact

Organization Name - Southern California Metroplex

POC's Name - Robert E. Henry, SOCAL Metroplex Manager; Jose Gonzalez, SOCAL Metroplex NATCA CO-LEAD

Telephone Number - (661) 265-8434

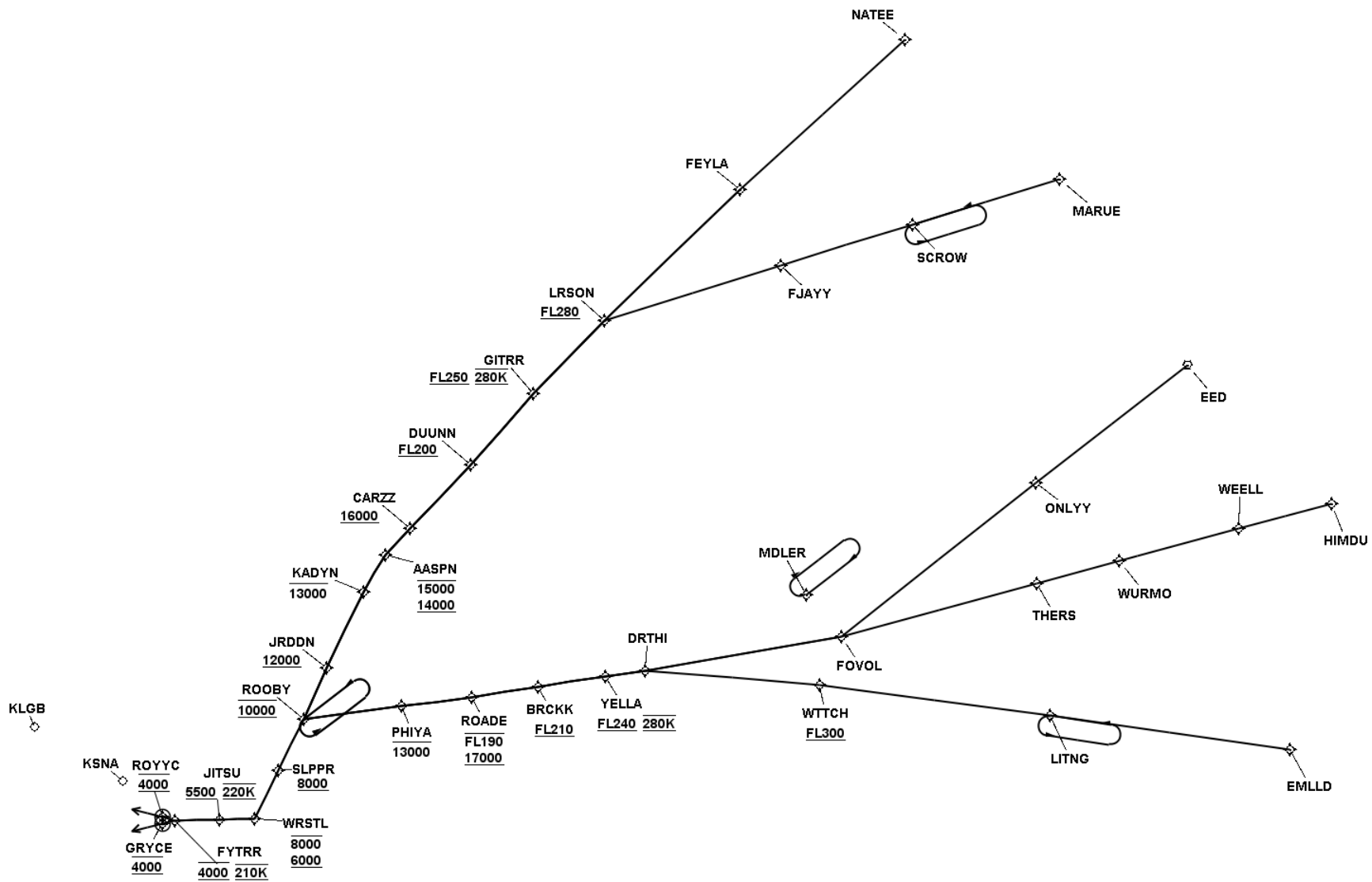
FAX Number - (661) 265-8338

Email Address - Robert.Henry@FAA.GOV; Jose.J.Gonzalez@FAA.GOV

TARGETS Distribution Package

Version:5.0.5

Date: Mon Apr 11 13:01:21 PDT 2016



ROOBY RNAV

En Route Transition Data - EED

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)
AVNIS	EED VORTAC	N34 45 57.62	W114 28 26.78		IF										
	ONLYY WP	N34 27 25.33	W114 57 22.47	FB	TF	232.36	218.36	30.21			17000	5200			
AVNIS	FOVOL WP	N34 03 12.00	W115 34 37.00	FB	TF	232.10	218.10	39.21			17000	6000			
	DRTHI WP	N33 57 53.23	W116 12 10.83	FB	TF	260.54	246.54	31.67			17000	8100			
	YELLA WP	N33 56 56.38	W116 19 49.39	FB	TF	261.57	247.57	6.43	+24000	280	13000	8100			
	BRCKK WP	N33 55 20.87	W116 32 40.97	FB	TF	261.61	247.61	10.82	+21000		13000	7500			
	ROADE WP	N33 53 42.15	W116 45 25.03	FB	TF	261.25	247.25	10.73	+17000 -19000		13000	12300			
	PHIYA WP	N33 52 13.73	W116 58 53.48	FB	TF	262.59	248.59	11.31	-13000		10700	10700			
	ROOBY WP	N33 50 13.61	W117 17 35.07	FB	TF	262.77	248.77	15.70	10000		6100	6100			

En Route Transition Data - EMLLD

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)
	EMLLD WP	N33 45 28.80	W114 08 46.00		IF										
	LITNG WP	N33 50 45.32	W114 54 43.84	FB	TF	278.04	264.04	38.66			17000	5600			
	LITNG WP	N33 50 45.32	W114 54 43.84		HM	278.04	264.04	10.00							
	WTTCH WP	N33 55 33.39	W115 38 48.40	FB	TF	277.65	263.65	37.01	+30000		17000	6100			
	DRTHI WP	N33 57 53.23	W116 12 10.83	FB	TF	274.95	260.95	27.86			17000	8100			
	YELLA WP	N33 56 56.38	W116 19 49.39	FB	TF	261.57	247.57	6.43	+24000	280	13000	8100			
	BRCKK WP	N33 55 20.87	W116 32 40.97	FB	TF	261.61	247.61	10.82	+21000		13000	7500			
	ROADE WP	N33 53 42.15	W116 45 25.03	FB	TF	261.25	247.25	10.73	+17000 -19000		13000	12300			
	PHIYA WP	N33 52 13.73	W116 58 53.48	FB	TF	262.59	248.59	11.31	-13000		10700	10700			
	ROOBY WP	N33 50 13.61	W117 17 35.07	FB	TF	262.77	248.77	15.70	10000		6100	6100			

ROOBY RNAV

En Route Transition Data - FEYLA

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)
	FEYLA WP	N35 13 36.52	W115 54 04.77		IF										
	LRSON WP	N34 52 59.88	W116 19 58.65	FB	TF	226.06	212.06	29.59	+28000		17000	6800			
	GITRR WP	N34 41 35.50	W116 34 29.32	FB	TF	226.45	212.45	16.51	+25000	280	17000	7200			
	DUUNN WP	N34 30 14.36	W116 45 35.29	FB	TF	219.01	205.01	14.57	+20000		13000	8200			
	CARZZ WP	N34 20 12.15	W116 57 13.91	FB	TF	223.93	209.93	13.90	+16000		13000	10600			
	AASPN WP	N34 16 05.53	W117 01 57.56	FB	TF	223.69	209.69	5.67	+14000 -15000		10800	10800			
	KADYN WP	N34 10 18.69	W117 06 08.00	FB	TF	210.98	196.98	6.73	-13000		10800	10800			
	JRDDN WP	N33 58 16.43	W117 13 11.57	FB	TF	206.05	192.05	13.37	+12000		9000	9000			
	ROOBY WP	N33 50 13.61	W117 17 35.07	FB	TF	204.49	190.49	8.83	10000		6000	5300			

En Route Transition Data - HIMDU

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)
	HIMDU WP	N34 24 06.00	W114 00 51.00		IF										
	WEELL WP	N34 20 14.60	W114 18 29.50	FB	TF	255.31	241.31	15.10			17000	5300			
AVNIS	WURMO WP	N34 15 13.00	W114 41 26.00	FB	TF	255.32	241.32	19.66			17000	6400			
	THERS WP	N34 11 35.14	W114 57 17.65	FB	TF	254.67	240.67	13.64			17000	6600			
AVNIS	FOVOL WP	N34 03 12.00	W115 34 37.00	FB	TF	255.06	241.06	32.10			17000	6600			
	DRTHI WP	N33 57 53.23	W116 12 10.83	FB	TF	260.54	246.54	31.67			17000	8100			
	YELLA WP	N33 56 56.38	W116 19 49.39	FB	TF	261.57	247.57	6.43	+24000	280	13000	8100			
	BRCKK WP	N33 55 20.87	W116 32 40.97	FB	TF	261.61	247.61	10.82	+21000		13000	7500			
	ROADE WP	N33 53 42.15	W116 45 25.03	FB	TF	261.25	247.25	10.73	+17000 -19000		13000	12300			
	PHIYA WP	N33 52 13.73	W116 58 53.48	FB	TF	262.59	248.59	11.31	-13000		10700	10700			
	ROOBY WP	N33 50 13.61	W117 17 35.07	FB	TF	262.77	248.77	15.70	10000		6100	6100			

ROOBY RNAV

En Route Transition Data - LRSON

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)
	LRSON WP	N34 52 59.88	W116 19 58.65		IF				+28000						
	GITRR WP	N34 41 35.50	W116 34 29.32	FB	TF	226.45	212.45	16.51	+25000	280	17000	7200			
	DUUNN WP	N34 30 14.36	W116 45 35.29	FB	TF	219.01	205.01	14.57	+20000		13000	8200			
	CARZZ WP	N34 20 12.15	W116 57 13.91	FB	TF	223.93	209.93	13.90	+16000		13000	10600			
	AASPN WP	N34 16 05.53	W117 01 57.56	FB	TF	223.69	209.69	5.67	+14000 -15000		10800	10800			
	KADYN WP	N34 10 18.69	W117 06 08.00	FB	TF	210.98	196.98	6.73	-13000		10800	10800			
	JRDDN WP	N33 58 16.43	W117 13 11.57	FB	TF	206.05	192.05	13.37	+12000		9000	9000			
	ROOBY WP	N33 50 13.61	W117 17 35.07	FB	TF	204.49	190.49	8.83	10000		6000	5300			

En Route Transition Data - MARUE

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)
AVNIS	MARUE WP	N35 15 23.00	W114 52 55.00		IF										
	SCROW WP	N35 08 11.11	W115 21 01.56	FB	TF	252.81	238.81	24.13			17000	8500			
	SCROW WP	N35 08 11.11	W115 21 01.56		HM	252.81	238.81	10.00			17000				
	FJAYY WP	N35 01 40.02	W115 46 11.86	FB	TF	252.64	238.64	21.66			17000	8400			
	LRSON WP	N34 52 59.88	W116 19 58.65	FB	TF	252.85	238.85	29.08	+28000		17000	6800			
	GITRR WP	N34 41 35.50	W116 34 29.32	FB	TF	226.45	212.45	16.51	+25000	280	17000	7200			
	DUUNN WP	N34 30 14.36	W116 45 35.29	FB	TF	219.01	205.01	14.57	+20000		13000	8200			
	CARZZ WP	N34 20 12.15	W116 57 13.91	FB	TF	223.93	209.93	13.90	+16000		13000	10600			
	AASPN WP	N34 16 05.53	W117 01 57.56	FB	TF	223.69	209.69	5.67	+14000 -15000		10800	10800			
	KADYN WP	N34 10 18.69	W117 06 08.00	FB	TF	210.98	196.98	6.73	-13000		10800	10800			
	JRDDN WP	N33 58 16.43	W117 13 11.57	FB	TF	206.05	192.05	13.37	+12000		9000	9000			
	ROOBY WP	N33 50 13.61	W117 17 35.07	FB	TF	204.49	190.49	8.83	10000		6000	5300			

ROOBY RNAV

En Route Transition Data - NATEE

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)
AVNIS	NATEE WP	N35 37 14.00	W115 22 26.00		IF										
	FEYLA WP	N35 13 36.52	W115 54 04.77	FB	TF	227.79	213.79	35.00			17000	10200			
	LRSON WP	N34 52 59.88	W116 19 58.65	FB	TF	226.06	212.06	29.59	+28000		17000	6800			
	GITRR WP	N34 41 35.50	W116 34 29.32	FB	TF	226.45	212.45	16.51	+25000	280	17000	7200			
	DUUNN WP	N34 30 14.36	W116 45 35.29	FB	TF	219.01	205.01	14.57	+20000		13000	8200			
	CARZZ WP	N34 20 12.15	W116 57 13.91	FB	TF	223.93	209.93	13.90	+16000		13000	10600			
	AASPN WP	N34 16 05.53	W117 01 57.56	FB	TF	223.69	209.69	5.67	+14000 -15000		10800	10800			
	KADYN WP	N34 10 18.69	W117 06 08.00	FB	TF	210.98	196.98	6.73	-13000		10800	10800			
	JRDDN WP	N33 58 16.43	W117 13 11.57	FB	TF	206.05	192.05	13.37	+12000		9000	9000			
	ROOBY WP	N33 50 13.61	W117 17 35.07	FB	TF	204.49	190.49	8.83	10000		6000	5300			

Common Route Data - Landing KLGB ROOBY

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)
	ROOBY WP	N33 50 13.61	W117 17 35.07		IF				10000						
	ROOBY WP	N33 50 13.61	W117 17 35.07		HM	233.00	219.00	10.00							
	SLPPR WP	N33 42 08.42	W117 22 23.69	FB	TF	206.44	192.44	9.01	+8000		6000	5000			
	WRSTL WP	N33 34 33.80	W117 26 52.90	FB	TF	206.37	192.37	8.44	+6000 -8000		5800	5800			
	JITSU WP	N33 34 25.50	W117 33 40.70	FB	TF	268.64	254.64	5.68	+5500	220	5500	5500			
	FYTRR WP	N33 34 16.34	W117 42 09.64	FB	TF	268.81	254.81	7.09	4000	210	3900	3900			
	ROYYC WP	N33 34 45.94	W117 44 31.48	FO	TF	284.01	270.01	2.04	4000		3300	3300			
	ROYYC WP	N33 34 45.94	W117 44 31.48		FM	284.01	270.01								

Common Route Data - Landing KSNA ROOBY

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)
	ROOBY WP	N33 50 13.61	W117 17 35.07		IF				10000						
	ROOBY WP	N33 50 13.61	W117 17 35.07		HM	233.00	219.00	10.00							
	SLPPR WP	N33 42 08.42	W117 22 23.69	FB	TF	206.44	192.44	9.01	+8000		6000	5000			
	WRSTL WP	N33 34 33.80	W117 26 52.90	FB	TF	206.37	192.37	8.44	+6000 -8000		5800	5800			
	JITSU WP	N33 34 25.50	W117 33 40.70	FB	TF	268.64	254.64	5.68	+5500	220	5500	5500			
	FYTRR WP	N33 34 16.34	W117 42 09.64	FB	TF	268.81	254.81	7.09	4000	210	3900	3900			
	GRYCE WP	N33 33 47.61	W117 44 29.62	FO	TF	256.23	242.23	2.01	4000		3300	3300			
	GRYCE WP	N33 33 47.61	W117 44 29.62		FM	256.23	242.23								

ROOBY RNAV

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")
	AASPN WP		341605.53N-1170157.56W	N 34.2682038	W 117.0326546	N34 16.092	W117 01.959	N34 16 05.53	W117 01 57.56
	BRCKK WP		335520.87N-1163240.97W	N 33.9224625	W 116.5447125	N33 55.348	W116 32.683	N33 55 20.87	W116 32 40.97
	CARZZ WP		342012.15N-1165713.91W	N 34.3367091	W 116.9538647	N34 20.203	W116 57.232	N34 20 12.15	W116 57 13.91
	DRTHI WP		335753.23N-1161210.83W	N 33.9647869	W 116.2030075	N33 57.887	W116 12.180	N33 57 53.23	W116 12 10.83
	DUUNN WP		343014.36N-1164535.29W	N 34.5039883	W 116.7598025	N34 30.239	W116 45.588	N34 30 14.36	W116 45 35.29
AVNIS	EED VORTAC		344557.62N-1142826.78W	N 34.7660056	W 114.4741056	N34 45.960	W114 28.446	N34 45 57.62	W114 28 26.78
	EMLLD WP		334528.80N-1140846.00W	N 33.7580000	W 114.1461111	N33 45.480	W114 08.767	N33 45 28.80	W114 08 46.00
	FEYLA WP		351336.52N-1155404.77W	N 35.2268107	W 115.9013237	N35 13.609	W115 54.079	N35 13 36.52	W115 54 04.77
	FJAYY WP		350140.02N-1154611.86W	N 35.0277836	W 115.7699612	N35 01.667	W115 46.198	N35 01 40.02	W115 46 11.86
AVNIS	FOVOL WP		340312.00N-1153437.00W	N 34.0533333	W 115.5769444	N34 03.200	W115 34.617	N34 03 12.00	W115 34 37.00
	FYTRR WP		333416.34N-1174209.64W	N 33.5712069	W 117.7026782	N33 34.272	W117 42.161	N33 34 16.34	W117 42 09.64
	GITRR WP		344135.50N-1163429.32W	N 34.6931944	W 116.5748111	N34 41.592	W116 34.489	N34 41 35.50	W116 34 29.32
	GRYCE WP		333347.61N-1174429.62W	N 33.5632253	W 117.7415602	N33 33.794	W117 44.494	N33 33 47.61	W117 44 29.62
AVNIS	HIMDU WP		342406.00N-1140051.00W	N 34.4016667	W 114.0141667	N34 24.100	W114 00.850	N34 24 06.00	W114 00 51.00
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
	JITSU WP		333425.50N-1173340.70W	N 33.5737500	W 117.5613056	N33 34.425	W117 33.678	N33 34 25.50	W117 33 40.70
	JRDDN WP		335816.43N-1171311.57W	N 33.9712301	W 117.2198795	N33 58.274	W117 13.193	N33 58 16.43	W117 13 11.57
	KADYN WP		341018.69N-1170608.00W	N 34.1718586	W 117.1022232	N34 10.312	W117 06.133	N34 10 18.69	W117 06 08.00
	LITNG WP		335045.32N-1145443.84W	N 33.8459223	W 114.9121775	N33 50.755	W114 54.731	N33 50 45.32	W114 54 43.84
	LRSON WP		345259.88N-1161958.65W	N 34.8833003	W 116.3329575	N34 52.998	W116 19.977	N34 52 59.88	W116 19 58.65
AVNIS	MARUE WP		351523.00N-1145255.00W	N 35.2563889	W 114.8819444	N35 15.383	W114 52.917	N35 15 23.00	W114 52 55.00
AVNIS	NATEE WP		353714.00N-1152226.00W	N 35.6205556	W 115.3738889	N35 37.233	W115 22.433	N35 37 14.00	W115 22 26.00
	ONLYY WP		342725.33N-1145722.47W	N 34.4570353	W 114.9562417	N34 27.422	W114 57.374	N34 27 25.33	W114 57 22.47
	PHIYA WP		335213.73N-1165853.48W	N 33.8704806	W 116.9815222	N33 52.229	W116 58.891	N33 52 13.73	W116 58 53.48
	ROADE WP		335342.15N-1164525.03W	N 33.8950407	W 116.7569529	N33 53.702	W116 45.417	N33 53 42.15	W116 45 25.03
	ROOBY WP		335013.61N-1171735.07W	N 33.8371146	W 117.2930743	N33 50.227	W117 17.584	N33 50 13.61	W117 17 35.07
	ROYYC WP		333445.94N-1174431.48W	N 33.5794278	W 117.7420778	N33 34.766	W117 44.525	N33 34 45.94	W117 44 31.48
	SCROW WP		350811.11N-1152101.56W	N 35.1364207	W 115.3504340	N35 08.185	W115 21.026	N35 08 11.11	W115 21 01.56
	SLPPR WP		334208.42N-1172223.69W	N 33.7023392	W 117.3732462	N33 42.140	W117 22.395	N33 42 08.42	W117 22 23.69
	THERS WP		341135.14N-1145717.65W	N 34.1930957	W 114.9549022	N34 11.586	W114 57.294	N34 11 35.14	W114 57 17.65
	WEELL WP		342014.60N-1141829.50W	N 34.3373889	W 114.3081944	N34 20.243	W114 18.492	N34 20 14.60	W114 18 29.50
	WRSTL WP		333433.80N-1172652.90W	N 33.5760556	W 117.4480278	N33 34.563	W117 26.882	N33 34 33.80	W117 26 52.90
	WTTCH WP		335533.39N-1153848.40W	N 33.9259414	W 115.6467765	N33 55.556	W115 38.807	N33 55 33.39	W115 38 48.40
AVNIS	WURMO WP		341513.00N-1144126.00W	N 34.2536111	W 114.6905556	N34 15.217	W114 41.433	N34 15 13.00	W114 41 26.00
	YELLA WP		335656.38N-1161949.39W	N 33.9489944	W 116.3303851	N33 56.940	W116 19.823	N33 56 56.38	W116 19 49.39

ROOBY RNAV

RS Results Landing KLGB ROOBY

Last Evaluation: 11-Apr-2016 12:52:15
Reference Software Version: 1.5.3

Route Evaluation for EED:Landing KLGB ROOBY

EED:Landing KLGB ROOBY 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	EED						0.0	0.0
TF	ONLYY	FLY_BY				0.02	30.21	1.0
TF	FOVOL	FLY_BY				28.78	39.21	13.88
TF	DRTHI	FLY_BY				1.39	31.67	13.88
TF	YELLA	FLY_BY	+24000.0		280.0	0.11	6.43	1.0
TF	BRCKK	FLY_BY	+21000.0			0.24	10.82	1.0
TF	ROADE	FLY_BY	+17000.0	-19000.0		1.46	10.73	1.0
TF	PHIYA	FLY_BY	-13000.0			0.31	11.31	1.0
TF	ROOBY	FLY_BY	10000.0			56.16	15.7	2.69
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	2.69
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	15.28	7.09	1.17
TF	ROYYC	FLY_OVER	4000.0				2.04	1.17
FM							0.0	0.0

EED:Landing KLGB ROOBY 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	EED				0.0	0.0							0.0	0.0				
TF	ONLYY	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	FOVOL	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	13.88	54.11	33525.36	300.0	5.0	113.0	541.0	570.0
TF	DRTHI	FLY_BY	13.88	54.11	33525.36	300.0	5.0	113.0	541.0	570.0	0.59	48.93	25606.82	300.0	5.0	98.0	467.0	542.0
TF	YELLA	FLY_BY	0.59	48.93	25606.82	300.0	5.0	98.0	467.0	542.0	0.04	46.08	24000.0	280.0	5.0	95.0	424.0	526.0
TF	BRCKK	FLY_BY	0.04	46.08	24000.0	280.0	5.0	95.0	424.0	526.0	0.09	40.98	21000.0	280.0	5.0	89.0	402.0	496.0
TF	ROADE	FLY_BY	0.09	40.98	21000.0	280.0	5.0	89.0	402.0	496.0	2.21	173.59	17000.0	280.0	1.0	81.0	375.0	456.0
TF	PHIYA	FLY_BY	2.21	173.59	17000.0	280.0	1.0	81.0	375.0	456.0	0.4	150.08	13000.0	280.0	1.0	73.0	351.0	424.0
TF	ROOBY	FLY_BY	0.4	150.08	13000.0	280.0	1.0	73.0	351.0	424.0	2.69	5.05	10000.0	280.0	25.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.69	5.05	10000.0	280.0	25.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0
TF	ROYYC	FLY_OVER	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

EED:Landing KLGB ROOBY 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
EED	ONLYY	TerrainPt_23_EED:Landing KLGB ROOBY_EED:ONLYY		4E (+- 250/+125)	N34° 37' 45.00"	W114° 35' 03.00"	2975.72	true	P	2000.0		5176	5175.72	11-Apr-2016 12:56:02
ONLYY	FOVOL	TerrainPt_27_EED:Landing KLGB ROOBY_ONLYY:FOVOL		4E (+- 250/+125)	N34° 21' 18.00"	W115° 11' 06.00"	3746.72	true	P	2000.0		5947	5946.72	11-Apr-2016 12:56:02
FOVOL	DRTHI	TerrainPt_38_EED:Landing KLGB ROOBY_FOVOL:DRTHI		4E (+- 250/+125)	N34° 00' 24.00"	W116° 14' 30.00"	5820.21	true	P	2000.0		8021	8020.21	11-Apr-2016 12:56:02
DRTHI	YELLA	TerrainPt_0_EED:Landing KLGB ROOBY_DRTHI:YELLA		4E (+- 250/+125)	N34° 00' 24.00"	W116° 14' 30.00"	5820.21	true	P	2000.0		8021	8020.21	11-Apr-2016 12:56:02
YELLA	BRCKK	TerrainPt_14_EED:Landing KLGB ROOBY_YELLA:BRCKK		4E (+- 250/+125)	N34° 00' 57.00"	W116° 19' 39.00"	5249.34	true	P	2000.0		7450	7449.34	11-Apr-2016 12:56:02
BRCKK	ROADE	OBS-4001-IPDS	AIRNAV 2	6C (+- 1000/+20)	N33° 48' 54.00"	W116° 40' 48.00"	11034.0	true	S	1167.98		12202	12201.98	11-Apr-2016 12:51:28
ROADE	PHIYA	TerrainPt_27_EED:Landing KLGB ROOBY_ROADE:PHIYA		4E (+- 250/+125)	N33° 50' 06.00"	W116° 43' 39.00"	8421.92	true	P	2000.0		10622	10621.92	11-Apr-2016 12:56:02
PHIYA	ROOBY	TerrainPt_30_EED:Landing KLGB ROOBY_PHIYA:ROOBY		4E (+- 250/+125)	N33° 49' 24.00"	W116° 56' 27.00"	3887.8	true	P	2000.0		6088	6087.8	11-Apr-2016 12:56:02
ROOBY	SLPPR	TerrainPt_16_EED:Landing KLGB ROOBY_ROOBY:SLPPR		4E (+- 250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:56:02
SLPPR	WRSTL	TerrainPt_5_EED:Landing KLGB ROOBY_SLPPR:WRSTL		4E (+- 250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:56:02
WRSTL	JITSU	TerrainPt_0_EED:Landing KLGB ROOBY_WRSTL:JITSU		4E (+- 250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:56:02
JITSU	FYTRR	TerrainPt_47_EED:Landing KLGB ROOBY_JITSU:FYTRR		4E (+- 250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:56:02
FYTRR	ROYYC	TerrainPt_32_EED:Landing KLGB ROOBY_FYTRR:ROYYC		4E (+- 250/+125)	N33° 36' 09.00"	W117° 47' 39.00"	1049.87	true	P	2000.0		3250	3249.87	11-Apr-2016 12:56:02

EED:Landing KLGB ROOBY Criteria Failures

No failures.

Route Evaluation for EMLLD:Landing KLGB ROOBY

EMLLD:Landing KLGB ROOBY 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	EMLLD						0.0	0.0
TF	LITNG	FLY_BY				0.03	38.66	1.0
TF	WTTCH	FLY_BY	+30000.0			2.29	37.01	1.0
TF	DRTHI	FLY_BY				13.06	27.86	5.6
TF	YELLA	FLY_BY	+24000.0		280.0	0.11	6.43	5.6
TF	BRCKK	FLY_BY	+21000.0			0.24	10.82	1.0
TF	ROADE	FLY_BY	+17000.0	-19000.0		1.46	10.73	1.0
TF	PHIYA	FLY_BY	-13000.0			0.31	11.31	1.0
TF	ROOBY	FLY_BY	10000.0			56.16	15.7	2.69
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	2.69
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	15.28	7.09	1.17
TF	ROYYC	FLY_OVER	4000.0				2.04	1.17
FM							0.0	0.0

ROOBY RNAV

EMLLD:Landing KLGB ROOBY 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	EMLLD				0.0	0.0							0.0	0.0				
TF	LITNG	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.01	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	WTTCH	FLY_BY	0.01	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	1.08	54.11	32572.3	300.0	5.0	111.0	532.0	570.0
TF	DRTHI	FLY_BY	1.08	54.11	32572.3	300.0	5.0	111.0	532.0	570.0	5.6	48.93	25606.82	300.0	5.0	98.0	467.0	542.0
TF	YELLA	FLY_BY	5.6	48.93	25606.82	300.0	5.0	98.0	467.0	542.0	0.04	46.08	24000.0	280.0	5.0	95.0	424.0	526.0
TF	BRCKK	FLY_BY	0.04	46.08	24000.0	280.0	5.0	95.0	424.0	526.0	0.09	40.98	21000.0	280.0	5.0	89.0	402.0	496.0
TF	ROADE	FLY_BY	0.09	40.98	21000.0	280.0	5.0	89.0	402.0	496.0	2.21	173.59	17000.0	280.0	1.0	81.0	375.0	456.0
TF	PHIYA	FLY_BY	2.21	173.59	17000.0	280.0	1.0	81.0	375.0	456.0	0.4	150.08	13000.0	280.0	1.0	73.0	351.0	424.0
TF	ROOBY	FLY_BY	0.4	150.08	13000.0	280.0	1.0	73.0	351.0	424.0	2.69	5.05	10000.0	280.0	25.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.69	5.05	10000.0	280.0	25.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0
TF	ROYYC	FLY_OVER	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

EMLLD:Landing KLGB ROOBY 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
EMLLD	LITNG	TerrainPt_7_EMLLD:Landing KLGB ROOBY_EMLLD:LITNG		4E (+- 250/+125)	N33° 51' 36.00"	W114° 40' 18.00"	3375.98	true	P	2000.0		5576	5575.98	11-Apr-2016 12:56:02
LITNG	WTTCH	TerrainPt_20_EMLLD:Landing KLGB ROOBY_LITNG:WTTCH		4E (+- 250/+125)	N33° 50' 00.00"	W115° 02' 21.00"	3845.14	true	P	2000.0		6046	6045.14	11-Apr-2016 12:56:02
WTTCH	DRTHI	TerrainPt_28_EMLLD:Landing KLGB ROOBY_WTTCH:DRTHI		4E (+- 250/+125)	N34° 00' 24.00"	W116° 14' 30.00"	5820.21	true	P	2000.0		8021	8020.21	11-Apr-2016 12:56:02
DRTHI	YELLA	TerrainPt_0_EED:Landing KLGB ROOBY_DRTHI:YELLA		4E (+- 250/+125)	N34° 00' 24.00"	W116° 14' 30.00"	5820.21	true	P	2000.0		8021	8020.21	11-Apr-2016 12:56:02
YELLA	BRCKK	TerrainPt_14_EED:Landing KLGB ROOBY_YELLA:BRCKK		4E (+- 250/+125)	N34° 00' 57.00"	W116° 19' 39.00"	5249.34	true	P	2000.0		7450	7449.34	11-Apr-2016 12:56:02
BRCKK	ROADE	OBS-4001-IPDS	AIRNAV 2	6C (+- 1000/+20)	N33° 48' 54.00"	W116° 40' 48.00"	11034.0	true	S	1167.98		12202	12201.98	11-Apr-2016 12:51:28
ROADE	PHIYA	TerrainPt_27_EED:Landing KLGB ROOBY_ROADE:PHIYA		4E (+- 250/+125)	N33° 50' 06.00"	W116° 43' 39.00"	8421.92	true	P	2000.0		10622	10621.92	11-Apr-2016 12:56:02
PHIYA	ROOBY	TerrainPt_30_EED:Landing KLGB ROOBY_PHIYA:ROOBY		4E (+- 250/+125)	N33° 49' 24.00"	W116° 56' 27.00"	3887.8	true	P	2000.0		6088	6087.8	11-Apr-2016 12:56:02
ROOBY	SLPPR	TerrainPt_16_EED:Landing KLGB ROOBY_ROOBY:SLPPR		4E (+- 250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:56:02
SLPPR	WRSTL	TerrainPt_5_EED:Landing KLGB ROOBY_SLPPR:WRSTL		4E (+- 250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:56:02
WRSTL	JITSU	TerrainPt_0_EED:Landing KLGB ROOBY_WRSTL:JITSU		4E (+- 250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:56:02
JITSU	FYTRR	TerrainPt_47_EED:Landing KLGB ROOBY_JITSU:FYTRR		4E (+- 250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:56:02
FYTRR	ROYYC	TerrainPt_32_EED:Landing KLGB ROOBY_FYTRR:ROYYC		4E (+- 250/+125)	N33° 36' 09.00"	W117° 47' 39.00"	1049.87	true	P	2000.0		3250	3249.87	11-Apr-2016 12:56:02

EMLLD:Landing KLGB ROOBY Criteria Failures

No failures.

Route Evaluation for FEYLA:Landing KLGB ROOBY

FEYLA:Landing KLGB ROOBY 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	FEYLA						0.0	0.0
TF	LRSON	FLY_BY	+28000.0			0.64	29.59	1.0
TF	GITRR	FLY_BY	+25000.0		280.0	7.31	16.51	1.0
TF	DUUNN	FLY_BY	+20000.0			5.02	14.57	1.0
TF	CARZZ	FLY_BY	+16000.0			0.13	13.9	1.0
TF	AASPN	FLY_BY	+14000.0	-15000.0		12.67	5.67	2.78
TF	KADYN	FLY_BY	-13000.0			4.89	6.73	2.78
TF	JRDDN	FLY_BY	+12000.0			1.49	13.37	1.0
TF	ROOBY	FLY_BY	10000.0			1.99	8.83	1.0
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	1.0
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	15.28	7.09	1.17
TF	ROYYC	FLY_OVER	4000.0				2.04	1.17
FM							0.0	0.0

ROOBY RNAV

FEYLA:Landing KLGB ROOBY 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	FEYLA				0.0	0.0							0.0	0.0				
TF	LRSON	FLY_BY	0.0		36524.26	300.0	0.0	119.0	574.0	570.0	0.3	54.11	29127.09	300.0	5.0	105.0	498.0	570.0
TF	GITRR	FLY_BY	0.3	54.11	29127.09	300.0	5.0	105.0	498.0	570.0	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0
TF	DUJUNN	FLY_BY	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0
TF	CARZZ	FLY_BY	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0
TF	AASPN	FLY_BY	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0
TF	KADYN	FLY_BY	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0
TF	JRDDN	FLY_BY	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0
TF	ROOBY	FLY_BY	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0
TF	ROYYC	FLY_OVER	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

FEYLA:Landing KLGB ROOBY 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
FEYLA	LRSON	TerrainPt_0_FEYLA:Landing KLGB ROOBY_FEYLA:LRSON		4E (+- 250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	P	2000.0		6800	6799.74	11-Apr-2016 12:56:02
LRSON	GITRR	TerrainPt_27_FEYLA:Landing KLGB ROOBY_LRSON:GITRR		4E (+- 250/+125)	N34° 40' 33.00"	W116° 35' 21.00"	4904.86	true	P	2000.0		7105	7104.86	11-Apr-2016 12:56:02
GITRR	DUUNN	TerrainPt_20_FEYLA:Landing KLGB ROOBY_GITRR:DUUNN		4E (+- 250/+125)	N34° 38' 33.00"	W116° 37' 45.00"	5987.53	true	P	2000.0		8188	8187.53	11-Apr-2016 12:56:02
DUUNN	CARZZ	TerrainPt_12_FEYLA:Landing KLGB ROOBY_DUUNN:CARZZ		4E (+- 250/+125)	N34° 17' 27.00"	W116° 56' 45.00"	8382.55	true	P	2000.0		10583	10582.55	11-Apr-2016 12:56:02
CARZZ	AASPN	TerrainPt_0_FEYLA:Landing KLGB ROOBY_CARZZ:AASPN		4E (+- 250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:56:02
AASPN	KADYN	TerrainPt_22_FEYLA:Landing KLGB ROOBY_AASPN:KADYN		4E (+- 250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:56:02
KADYN	JRDDN	TerrainPt_56_FEYLA:Landing KLGB ROOBY_KADYN:JRDDN		4E (+- 250/+125)	N34° 11' 21.00"	W117° 03' 24.00"	6771.65	true	P	2000.0		8972	8971.65	11-Apr-2016 12:56:02
JRDDN	ROOBY	TerrainPt_14_FEYLA:Landing KLGB ROOBY_JRDDN:ROOBY		4E (+- 250/+125)	N33° 59' 18.00"	W117° 14' 48.00"	3087.27	true	P	2000.0		5288	5287.27	11-Apr-2016 12:56:02
ROOBY	SLPPR	TerrainPt_16_EED:Landing KLGB ROOBY_ROOBY:SLPPR		4E (+- 250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:56:02
SLPPR	WRSTL	TerrainPt_5_EED:Landing KLGB ROOBY_SLPPR:WRSTL		4E (+- 250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:56:02
WRSTL	JITSU	TerrainPt_0_EED:Landing KLGB ROOBY_WRSTL:JITSU		4E (+- 250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:56:02
JITSU	FYTRR	TerrainPt_47_EED:Landing KLGB ROOBY_JITSU:FYTRR		4E (+- 250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:56:02
FYTRR	ROYYC	TerrainPt_32_EED:Landing KLGB ROOBY_FYTRR:ROYYC		4E (+- 250/+125)	N33° 36' 09.00"	W117° 47' 39.00"	1049.87	true	P	2000.0		3250	3249.87	11-Apr-2016 12:56:02

FEYLA:Landing KLGB ROOBY Criteria Failures

No failures.

Route Evaluation for HIMDU:Landing KLGB ROOBY

HIMDU:Landing KLGB ROOBY 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	HIMDU						0.0	0.0
TF	WEELL	FLY_BY				0.17	15.1	1.0
TF	WURMO	FLY_BY				0.44	19.66	1.0
TF	THERS	FLY_BY				0.54	13.64	1.0
TF	FOVOL	FLY_BY				5.83	32.1	1.0
TF	DRTHI	FLY_BY				1.39	31.67	1.0
TF	YELLA	FLY_BY	+24000.0		280.0	0.11	6.43	1.0
TF	BRCKK	FLY_BY	+21000.0			0.24	10.82	1.0
TF	ROADE	FLY_BY	+17000.0	-19000.0		1.46	10.73	1.0
TF	PHIYA	FLY_BY	-13000.0			0.31	11.31	1.0
TF	ROOBY	FLY_BY	10000.0			56.16	15.7	2.69
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	2.69
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	15.28	7.09	1.17
TF	ROYYC	FLY_OVER	4000.0				2.04	1.17
FM							0.0	0.0

HIMDU:Landing KLGB ROOBY 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	HIMDU				0.0	0.0							0.0	0.0				
TF	WEELL	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.08	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	WURMO	FLY_BY	0.08	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.21	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	THERS	FLY_BY	0.21	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.25	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	FOVOL	FLY_BY	0.25	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	2.75	54.11	33525.36	300.0	5.0	113.0	541.0	570.0
TF	DRTHI	FLY_BY	2.75	54.11	33525.36	300.0	5.0	113.0	541.0	570.0	0.59	48.93	25606.82	300.0	5.0	98.0	467.0	542.0
TF	YELLA	FLY_BY	0.59	48.93	25606.82	300.0	5.0	98.0	467.0	542.0	0.04	46.08	24000.0	280.0	5.0	95.0	424.0	526.0
TF	BRCKK	FLY_BY	0.04	46.08	24000.0	280.0	5.0	95.0	424.0	526.0	0.09	40.98	21000.0	280.0	5.0	89.0	402.0	496.0
TF	ROADE	FLY_BY	0.09	40.98	21000.0	280.0	5.0	89.0	402.0	496.0	2.21	173.59	17000.0	280.0	1.0	81.0	375.0	456.0
TF	PHIYA	FLY_BY	2.21	173.59	17000.0	280.0	1.0	81.0	375.0	456.0	0.4	150.08	13000.0	280.0	1.0	73.0	351.0	424.0
TF	ROOBY	FLY_BY	0.4	150.08	13000.0	280.0	1.0	73.0	351.0	424.0	2.69	5.05	10000.0	280.0	25.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.69	5.05	10000.0	280.0	25.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0
TF	ROYYC	FLY_OVER	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

HIMDU:Landing KLGB ROOBY 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
HIMDU	WEELL	TerrainPt_37_HIMDU:Landing KLGB ROOBY_HIMDU:WEELL		4E (+- 250/+125)	N34° 18' 06.00"	W114° 17' 12.00"	3001.97	true	P	2000.0		5202	5201.97	11-Apr-2016 12:56:02
WEELL	WURMO	TerrainPt_0_HIMDU:Landing KLGB ROOBY_WEELL:WURMO		4E (+- 250/+125)	N34° 18' 51.00"	W114° 24' 42.00"	4120.73	true	P	2000.0		6321	6320.73	11-Apr-2016 12:56:02
WURMO	THERS	TerrainPt_1_HIMDU:Landing KLGB ROOBY_WURMO:THERS		4E (+- 250/+125)	N34° 15' 39.00"	W114° 49' 39.00"	4304.46	true	P	2000.0		6505	6504.46	11-Apr-2016 12:56:02
THERS	FOVOL	TerrainPt_36_HIMDU:Landing KLGB ROOBY_THERS:FOVOL		4E (+- 250/+125)	N34° 01' 48.00"	W115° 24' 06.00"	4396.33	true	P	2000.0		6597	6596.33	11-Apr-2016 12:56:02
FOVOL	DRTHI	TerrainPt_38_EED:Landing KLGB ROOBY_FOVOL:DRTHI		4E (+- 250/+125)	N34° 00' 24.00"	W116° 14' 30.00"	5820.21	true	P	2000.0		8021	8020.21	11-Apr-2016 12:56:02
DRTHI	YELLA	TerrainPt_0_EED:Landing KLGB ROOBY_DRTHI:YELLA		4E (+- 250/+125)	N34° 00' 24.00"	W116° 14' 30.00"	5820.21	true	P	2000.0		8021	8020.21	11-Apr-2016 12:56:02
YELLA	BRCKK	TerrainPt_14_EED:Landing KLGB ROOBY_YELLA:BRCKK		4E (+- 250/+125)	N34° 00' 57.00"	W116° 19' 39.00"	5249.34	true	P	2000.0		7450	7449.34	11-Apr-2016 12:56:02
BRCKK	ROADE	OBS-4001-IPDS	AIRNAV 2	6C (+- 1000/+20)	N33° 48' 54.00"	W116° 40' 48.00"	11034.0	true	S	1167.98		12202	12201.98	11-Apr-2016 12:51:28
ROADE	PHIYA	TerrainPt_27_EED:Landing KLGB ROOBY_ROADE:PHIYA		4E (+- 250/+125)	N33° 50' 06.00"	W116° 43' 39.00"	8421.92	true	P	2000.0		10622	10621.92	11-Apr-2016 12:56:02
PHIYA	ROOBY	TerrainPt_30_EED:Landing KLGB ROOBY_PHIYA:ROOBY		4E (+- 250/+125)	N33° 49' 24.00"	W116° 56' 27.00"	3887.8	true	P	2000.0		6088	6087.8	11-Apr-2016 12:56:02
ROOBY	SLPPR	TerrainPt_16_EED:Landing KLGB ROOBY_ROOBY:SLPPR		4E (+- 250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:56:02
SLPPR	WRSTL	TerrainPt_5_EED:Landing KLGB ROOBY_SLPPR:WRSTL		4E (+- 250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:56:02
WRSTL	JITSU	TerrainPt_0_EED:Landing KLGB ROOBY_WRSTL:JITSU		4E (+- 250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:56:02
JITSU	FYTRR	TerrainPt_47_EED:Landing KLGB ROOBY_JITSU:FYTRR		4E (+- 250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:56:02
FYTRR	ROYYC	TerrainPt_32_EED:Landing KLGB ROOBY_FYTRR:ROYYC		4E (+- 250/+125)	N33° 36' 09.00"	W117° 47' 39.00"	1049.87	true	P	2000.0		3250	3249.87	11-Apr-2016 12:56:02

HIMDU:Landing KLGB ROOBY Criteria Failures

No failures.

Route Evaluation for LRSON:Landing KLGB ROOBY

LRSON:Landing KLGB ROOBY 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	LRSON		+28000.0				0.0	0.0
TF	GITRR	FLY_BY	+25000.0		280.0	7.31	16.51	1.0
TF	DUUNN	FLY_BY	+20000.0			5.02	14.57	1.0
TF	CARZZ	FLY_BY	+16000.0			0.13	13.9	1.0
TF	AASPN	FLY_BY	+14000.0	-15000.0		12.67	5.67	2.78
TF	KADYN	FLY_BY	-13000.0			4.89	6.73	2.78
TF	JRDDN	FLY_BY	+12000.0			1.49	13.37	1.0
TF	ROOBY	FLY_BY	10000.0			1.99	8.83	1.0
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	1.0
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	15.28	7.09	1.17
TF	ROYYC	FLY_OVER	4000.0				2.04	1.17
FM							0.0	0.0

LRSON:Landing KLGB ROOBY 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	LRSON				0.0	0.0							0.0	0.0				
TF	GITRR	FLY_BY	0.0		29127.09	300.0	0.0	105.0	498.0	570.0	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0
TF	DUUNN	FLY_BY	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0
TF	CARZZ	FLY_BY	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0
TF	AASPN	FLY_BY	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0
TF	KADYN	FLY_BY	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0
TF	JRDDN	FLY_BY	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0
TF	ROOBY	FLY_BY	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0
TF	ROYYC	FLY_OVER	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

LRSON:Landing KLGB ROOBY 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
LRSON	GITRR	TerrainPt_27_FEYLA:Landing KLGB ROOBY_LRSON:GITRR		4E (+- 250/+125)	N34° 40' 33.00"	W116° 35' 21.00"	4904.86	true	P	2000.0		7105	7104.86	11-Apr-2016 12:56:02
GITRR	DUUNN	TerrainPt_20_FEYLA:Landing KLGB ROOBY_GITRR:DUUNN		4E (+- 250/+125)	N34° 38' 33.00"	W116° 37' 45.00"	5987.53	true	P	2000.0		8188	8187.53	11-Apr-2016 12:56:02
DUUNN	CARZZ	TerrainPt_12_FEYLA:Landing KLGB ROOBY_DUUNN:CARZZ		4E (+- 250/+125)	N34° 17' 27.00"	W116° 56' 45.00"	8382.55	true	P	2000.0		10583	10582.55	11-Apr-2016 12:56:02
CARZZ	AASPN	TerrainPt_0_FEYLA:Landing KLGB ROOBY_CARZZ:AASPN		4E (+- 250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:56:02
AASPN	KADYN	TerrainPt_22_FEYLA:Landing KLGB ROOBY_AASPN:KADYN		4E (+- 250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:56:02
KADYN	JRDDN	TerrainPt_56_FEYLA:Landing KLGB ROOBY_KADYN:JRDDN		4E (+- 250/+125)	N34° 11' 21.00"	W117° 03' 24.00"	6771.65	true	P	2000.0		8972	8971.65	11-Apr-2016 12:56:02
JRDDN	ROOBY	TerrainPt_14_FEYLA:Landing KLGB ROOBY_JRDDN:ROOBY		4E (+- 250/+125)	N33° 59' 18.00"	W117° 14' 48.00"	3087.27	true	P	2000.0		5288	5287.27	11-Apr-2016 12:56:02
ROOBY	SLPPR	TerrainPt_16_EED:Landing KLGB ROOBY_ROOBY:SLPPR		4E (+- 250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:56:02
SLPPR	WRSTL	TerrainPt_5_EED:Landing KLGB ROOBY_SLPPR:WRSTL		4E (+- 250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:56:02
WRSTL	JITSU	TerrainPt_0_EED:Landing KLGB ROOBY_WRSTL:JITSU		4E (+- 250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:56:02
JITSU	FYTRR	TerrainPt_47_EED:Landing KLGB ROOBY_JITSU:FYTRR		4E (+- 250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:56:02
FYTRR	ROYYC	TerrainPt_32_EED:Landing KLGB ROOBY_FYTRR:ROYYC		4E (+- 250/+125)	N33° 36' 09.00"	W117° 47' 39.00"	1049.87	true	P	2000.0		3250	3249.87	11-Apr-2016 12:56:02

LRSON:Landing KLGB ROOBY Criteria Failures

No failures.

Route Evaluation for MARUE:Landing KLGB ROOBY

MARUE:Landing KLGB ROOBY 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	MARUE						0.0	0.0
TF	SCROW	FLY_BY				0.1	24.13	1.0
TF	FJAYY	FLY_BY				0.45	21.66	1.0
TF	LRSON	FLY_BY	+28000.0			26.07	29.08	12.53
TF	GITRR	FLY_BY	+25000.0		280.0	7.31	16.51	12.53
TF	DUUNN	FLY_BY	+20000.0			5.02	14.57	1.0
TF	CARZZ	FLY_BY	+16000.0			0.13	13.9	1.0
TF	AASPN	FLY_BY	+14000.0	-15000.0		12.67	5.67	2.78
TF	KADYN	FLY_BY	-13000.0			4.89	6.73	2.78
TF	JRDDN	FLY_BY	+12000.0			1.49	13.37	1.0
TF	ROOBY	FLY_BY	10000.0			1.99	8.83	1.0
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	1.0
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	15.28	7.09	1.17
TF	ROYYC	FLY_OVER	4000.0				2.04	1.17
FM							0.0	0.0

MARUE:Landing KLGB ROOBY 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	MARUE				0.0	0.0							0.0	0.0				
TF	SCROW	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.05	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	FJAYY	FLY_BY	0.05	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.21	54.11	36398.0	300.0	5.0	119.0	573.0	570.0
TF	LRSON	FLY_BY	0.21	54.11	36398.0	300.0	5.0	119.0	573.0	570.0	12.53	54.11	29127.09	300.0	5.0	105.0	498.0	570.0
TF	GITRR	FLY_BY	12.53	54.11	29127.09	300.0	5.0	105.0	498.0	570.0	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0
TF	DUUNN	FLY_BY	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0
TF	CARZZ	FLY_BY	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0
TF	AASPN	FLY_BY	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0
TF	KADYN	FLY_BY	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0
TF	JRDDN	FLY_BY	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0
TF	ROOBY	FLY_BY	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0
TF	ROYYC	FLY_OVER	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

MARUE:Landing KLGB ROOBY 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
MARUE	SCROW	TerrainPt_39_MARUE:Landing KLGB ROOBY_MARUE:SCROW		4E (+- 250/+125)	N35° 13' 48.00"	W115° 19' 15.00"	6961.94	true	S	1272.2		8435	8434.14	11-Apr-2016 12:56:03
SCROW	FJAYY	TerrainPt_20_MARUE:Landing KLGB ROOBY_SCROW:FJAYY		4E (+- 250/+125)	N35° 06' 33.00"	W115° 22' 06.00"	6190.94	true	P	2000.0		8391	8390.94	11-Apr-2016 12:56:03
FJAYY	LRSON	TerrainPt_30_MARUE:Landing KLGB ROOBY_FJAYY:LRSON		4E (+- 250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	P	2000.0		6800	6799.74	11-Apr-2016 12:56:03
LRSON	GITRR	TerrainPt_27_FEYLA:Landing KLGB ROOBY_LRSON:GITRR		4E (+- 250/+125)	N34° 40' 33.00"	W116° 35' 21.00"	4904.86	true	P	2000.0		7105	7104.86	11-Apr-2016 12:56:02
GITRR	DUUNN	TerrainPt_20_FEYLA:Landing KLGB ROOBY_GITRR:DUUNN		4E (+- 250/+125)	N34° 38' 33.00"	W116° 37' 45.00"	5987.53	true	P	2000.0		8188	8187.53	11-Apr-2016 12:56:02
DUUNN	CARZZ	TerrainPt_12_FEYLA:Landing KLGB ROOBY_DUUNN:CARZZ		4E (+- 250/+125)	N34° 17' 27.00"	W116° 56' 45.00"	8382.55	true	P	2000.0		10583	10582.55	11-Apr-2016 12:56:02
CARZZ	AASPN	TerrainPt_0_FEYLA:Landing KLGB ROOBY_CARZZ:AASPN		4E (+- 250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:56:02
AASPN	KADYN	TerrainPt_22_FEYLA:Landing KLGB ROOBY_AASPN:KADYN		4E (+- 250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:56:02
KADYN	JRDDN	TerrainPt_56_FEYLA:Landing KLGB ROOBY_KADYN:JRDDN		4E (+- 250/+125)	N34° 11' 21.00"	W117° 03' 24.00"	6771.65	true	P	2000.0		8972	8971.65	11-Apr-2016 12:56:02
JRDDN	ROOBY	TerrainPt_14_FEYLA:Landing KLGB ROOBY_JRDDN:ROOBY		4E (+- 250/+125)	N33° 59' 18.00"	W117° 14' 48.00"	3087.27	true	P	2000.0		5288	5287.27	11-Apr-2016 12:56:02
ROOBY	SLPPR	TerrainPt_16_EED:Landing KLGB ROOBY_ROOBY:SLPPR		4E (+- 250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:56:02
SLPPR	WRSTL	TerrainPt_5_EED:Landing KLGB ROOBY_SLPPR:WRSTL		4E (+- 250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:56:02
WRSTL	JITSU	TerrainPt_0_EED:Landing KLGB ROOBY_WRSTL:JITSU		4E (+- 250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:56:02
JITSU	FYTRR	TerrainPt_47_EED:Landing KLGB ROOBY_JITSU:FYTRR		4E (+- 250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:56:02
FYTRR	ROYYC	TerrainPt_32_EED:Landing KLGB ROOBY_FYTRR:ROYYC		4E (+- 250/+125)	N33° 36' 09.00"	W117° 47' 39.00"	1049.87	true	P	2000.0		3250	3249.87	11-Apr-2016 12:56:02

MARUE:Landing KLGB ROOBY Criteria Failures

No failures.

Route Evaluation for NATEE:Landing KLGB ROOBY

NATEE:Landing KLGB ROOBY 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	NATEE						0.0	0.0
TF	FEYLA	FLY_BY				1.42	35.0	1.0
TF	LRSON	FLY_BY	+28000.0			0.64	29.59	1.0
TF	GITRR	FLY_BY	+25000.0		280.0	7.31	16.51	1.0
TF	DUUNN	FLY_BY	+20000.0			5.02	14.57	1.0
TF	CARZZ	FLY_BY	+16000.0			0.13	13.9	1.0
TF	AASPN	FLY_BY	+14000.0	-15000.0		12.67	5.67	2.78
TF	KADYN	FLY_BY	-13000.0			4.89	6.73	2.78
TF	JRDDN	FLY_BY	+12000.0			1.49	13.37	1.0
TF	ROOBY	FLY_BY	10000.0			1.99	8.83	1.0
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	1.0
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	15.28	7.09	1.17
TF	ROYYC	FLY_OVER	4000.0				2.04	1.17
FM							0.0	0.0

ROOBY RNAV

NATEE:Landing KLGB ROOBY 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	NATEE				0.0	0.0							0.0	0.0				
TF	FEYLA	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.67	54.11	36524.26	300.0	5.0	119.0	574.0	570.0
TF	LRSON	FLY_BY	0.67	54.11	36524.26	300.0	5.0	119.0	574.0	570.0	0.3	54.11	29127.09	300.0	5.0	105.0	498.0	570.0
TF	GITRR	FLY_BY	0.3	54.11	29127.09	300.0	5.0	105.0	498.0	570.0	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0
TF	DUUNN	FLY_BY	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0
TF	CARZZ	FLY_BY	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0
TF	AASPN	FLY_BY	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0
TF	KADYN	FLY_BY	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0
TF	JRDDN	FLY_BY	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0
TF	ROOBY	FLY_BY	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0
TF	ROYYC	FLY_OVER	1.17	8.76	4000.0	210.0	7.64	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

NATEE:Landing KLGB ROOBY 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
NATEE	FEYLA	TerrainPt_14_NATEE:Landing KLGB ROOBY_NATEE:FEYLA		4E (+-250/+125)	N35° 31' 30.00"	W115° 35' 21.00"	7919.95	true	P	2000.0		10120	10119.95	11-Apr-2016 12:56:03
FEYLA	LRSON	TerrainPt_0_FEYLA:Landing KLGB ROOBY_FEYLA:LRSON		4E (+-250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	P	2000.0		6800	6799.74	11-Apr-2016 12:56:02
LRSON	GITRR	TerrainPt_27_FEYLA:Landing KLGB ROOBY_LRSON:GITRR		4E (+-250/+125)	N34° 40' 33.00"	W116° 35' 21.00"	4904.86	true	P	2000.0		7105	7104.86	11-Apr-2016 12:56:02
GITRR	DUUNN	TerrainPt_20_FEYLA:Landing KLGB ROOBY_GITRR:DUUNN		4E (+-250/+125)	N34° 38' 33.00"	W116° 37' 45.00"	5987.53	true	P	2000.0		8188	8187.53	11-Apr-2016 12:56:02
DUUNN	CARZZ	TerrainPt_12_FEYLA:Landing KLGB ROOBY_DUUNN:CARZZ		4E (+-250/+125)	N34° 17' 27.00"	W116° 56' 45.00"	8382.55	true	P	2000.0		10583	10582.55	11-Apr-2016 12:56:02
CARZZ	AASPN	TerrainPt_0_FEYLA:Landing KLGB ROOBY_CARZZ:AASPN		4E (+-250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:56:02
AASPN	KADYN	TerrainPt_22_FEYLA:Landing KLGB ROOBY_AASPN:KADYN		4E (+-250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:56:02
KADYN	JRDDN	TerrainPt_56_FEYLA:Landing KLGB ROOBY_KADYN:JRDDN		4E (+-250/+125)	N34° 11' 21.00"	W117° 03' 24.00"	6771.65	true	P	2000.0		8972	8971.65	11-Apr-2016 12:56:02
JRDDN	ROOBY	TerrainPt_14_FEYLA:Landing KLGB ROOBY_JRDDN:ROOBY		4E (+-250/+125)	N33° 59' 18.00"	W117° 14' 48.00"	3087.27	true	P	2000.0		5288	5287.27	11-Apr-2016 12:56:02
ROOBY	SLPPR	TerrainPt_16_EED:Landing KLGB ROOBY_ROOBY:SLPPR		4E (+-250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:56:02
SLPPR	WRSTL	TerrainPt_5_EED:Landing KLGB ROOBY_SLPPR:WRSTL		4E (+-250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:56:02
WRSTL	JITSU	TerrainPt_0_EED:Landing KLGB ROOBY_WRSTL:JITSU		4E (+-250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:56:02
JITSU	FYTRR	TerrainPt_47_EED:Landing KLGB ROOBY_JITSU:FYTRR		4E (+-250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:56:02
FYTRR	ROYYC	TerrainPt_32_EED:Landing KLGB ROOBY_FYTRR:ROYYC		4E (+-250/+125)	N33° 36' 09.00"	W117° 47' 39.00"	1049.87	true	P	2000.0		3250	3249.87	11-Apr-2016 12:56:02

NATEE:Landing KLGB ROOBY Criteria Failures

No failures.

Evaluation Input

Name:	RS Results Landing KLGB ROOBY
Project:	LGB_SNA ROOBY STAR_Paperwork_20150622
Last evaluated:	11-Apr-2016 12:52:15
Evaluated obstacles?:	true
Obstacle Database:	AIRNAV2
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

No failures.

Evaluation Notes and Warnings

No failures.

Obstacles Requiring Accuracy Code Verification

None.

RS Results Landing KSNA ROOBY

Last Evaluation: 11-Apr-2016 12:56:03
Reference Software Version: 1.5.3

Route Evaluation for EED:Landing KSNA ROOBY

EED:Landing KSNA ROOBY 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	EED						0.0	0.0
TF	ONLYY	FLY_BY				0.02	30.21	1.0
TF	FOVOL	FLY_BY				28.78	39.21	13.88
TF	DRTHI	FLY_BY				1.39	31.67	13.88
TF	YELLA	FLY_BY	+24000.0		280.0	0.11	6.43	1.0
TF	BRCKK	FLY_BY	+21000.0			0.24	10.82	1.0
TF	ROADE	FLY_BY	+17000.0	-19000.0		1.46	10.73	1.0
TF	PHIYA	FLY_BY	-13000.0			0.31	11.31	1.0
TF	ROOBY	FLY_BY	10000.0			56.16	15.7	2.69
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	2.69
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	12.5	7.09	1.17
TF	GRYCE	FLY_OVER	4000.0				2.01	1.17
FM							0.0	0.0

EED:Landing KSNA ROOBY 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	EED				0.0	0.0							0.0	0.0				
TF	ONLYY	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	FOVOL	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	13.88	54.11	33525.36	300.0	5.0	113.0	541.0	570.0
TF	DRTHI	FLY_BY	13.88	54.11	33525.36	300.0	5.0	113.0	541.0	570.0	0.59	48.93	25606.82	300.0	5.0	98.0	467.0	542.0
TF	YELLA	FLY_BY	0.59	48.93	25606.82	300.0	5.0	98.0	467.0	542.0	0.04	46.08	24000.0	280.0	5.0	95.0	424.0	526.0
TF	BRCKK	FLY_BY	0.04	46.08	24000.0	280.0	5.0	95.0	424.0	526.0	0.09	40.98	21000.0	280.0	5.0	89.0	402.0	496.0
TF	ROADE	FLY_BY	0.09	40.98	21000.0	280.0	5.0	89.0	402.0	496.0	2.21	173.59	17000.0	280.0	1.0	81.0	375.0	456.0
TF	PHIYA	FLY_BY	2.21	173.59	17000.0	280.0	1.0	81.0	375.0	456.0	0.4	150.08	13000.0	280.0	1.0	73.0	351.0	424.0
TF	ROOBY	FLY_BY	0.4	150.08	13000.0	280.0	1.0	73.0	351.0	424.0	2.69	5.05	10000.0	280.0	25.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.69	5.05	10000.0	280.0	25.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0
TF	GRYCE	FLY_OVER	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

EED:Landing KSNA ROOBY 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
EED	ONLYY	TerrainPt_23_EED:Landing KSNA ROOBY_EED:ONLYY		4E (+- 250/+125)	N34° 37' 45.00"	W114° 35' 03.00"	2975.72	true	P	2000.0		5176	5175.72	11-Apr-2016 12:59:52
ONLYY	FOVOL	TerrainPt_27_EED:Landing KSNA ROOBY_ONLYY:FOVOL		4E (+- 250/+125)	N34° 21' 18.00"	W115° 11' 06.00"	3746.72	true	P	2000.0		5947	5946.72	11-Apr-2016 12:59:52
FOVOL	DRTHI	TerrainPt_38_EED:Landing KSNA ROOBY_FOVOL:DRTHI		4E (+- 250/+125)	N34° 00' 24.00"	W116° 14' 30.00"	5820.21	true	P	2000.0		8021	8020.21	11-Apr-2016 12:59:52
DRTHI	YELLA	TerrainPt_0_EED:Landing KSNA ROOBY_DRTHI:YELLA		4E (+- 250/+125)	N34° 00' 24.00"	W116° 14' 30.00"	5820.21	true	P	2000.0		8021	8020.21	11-Apr-2016 12:59:52
YELLA	BRCKK	TerrainPt_14_EED:Landing KSNA ROOBY_YELLA:BRCKK		4E (+- 250/+125)	N34° 00' 57.00"	W116° 19' 39.00"	5249.34	true	P	2000.0		7450	7449.34	11-Apr-2016 12:59:52
BRCKK	ROADE	OBS-4001-IPDS	AIRNAV 2	6C (+- 1000/+20)	N33° 48' 54.00"	W116° 40' 48.00"	11034.0	true	S	1167.98		12202	12201.98	11-Apr-2016 12:51:28
ROADE	PHIYA	TerrainPt_27_EED:Landing KSNA ROOBY_ROADE:PHIYA		4E (+- 250/+125)	N33° 50' 06.00"	W116° 43' 39.00"	8421.92	true	P	2000.0		10622	10621.92	11-Apr-2016 12:59:52
PHIYA	ROOBY	TerrainPt_30_EED:Landing KSNA ROOBY_PHIYA:ROOBY		4E (+- 250/+125)	N33° 49' 24.00"	W116° 56' 27.00"	3887.8	true	P	2000.0		6088	6087.8	11-Apr-2016 12:59:52
ROOBY	SLPPR	TerrainPt_16_EED:Landing KSNA ROOBY_ROOBY:SLPPR		4E (+- 250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:59:52
SLPPR	WRSTL	TerrainPt_5_EED:Landing KSNA ROOBY_SLPPR:WRSTL		4E (+- 250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:59:52
WRSTL	JITSU	TerrainPt_0_EED:Landing KSNA ROOBY_WRSTL:JITSU		4E (+- 250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:59:52
JITSU	FYTRR	TerrainPt_47_EED:Landing KSNA ROOBY_JITSU:FYTRR		4E (+- 250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:59:52
FYTRR	GRYCE	TerrainPt_6_EED:Landing KSNA ROOBY_FYTRR:GRYCE		4E (+- 250/+125)	N33° 33' 15.00"	W117° 45' 30.00"	1033.46	true	P	2000.0		3234	3233.46	11-Apr-2016 12:59:52

EED:Landing KSNA ROOBY Criteria Failures

No failures.

Route Evaluation for EMLLD:Landing KSNA ROOBY

EMLLD:Landing KSNA ROOBY 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	EMLLD						0.0	0.0
TF	LITNG	FLY_BY				0.03	38.66	1.0
TF	WTTCH	FLY_BY	+30000.0			2.29	37.01	1.0
TF	DRTHI	FLY_BY				13.06	27.86	5.6
TF	YELLA	FLY_BY	+24000.0		280.0	0.11	6.43	5.6
TF	BRCKK	FLY_BY	+21000.0			0.24	10.82	1.0
TF	ROADE	FLY_BY	+17000.0	-19000.0		1.46	10.73	1.0
TF	PHIYA	FLY_BY	-13000.0			0.31	11.31	1.0
TF	ROOBY	FLY_BY	10000.0			56.16	15.7	2.69
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	2.69
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	12.5	7.09	1.17
TF	GRYCE	FLY_OVER	4000.0				2.01	1.17
FM							0.0	0.0

EMLLD:Landing KSNA ROOBY 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	EMLLD				0.0	0.0							0.0	0.0				
TF	LITNG	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.01	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	WTTCH	FLY_BY	0.01	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	1.08	54.11	32572.3	300.0	5.0	111.0	532.0	570.0
TF	DRTHI	FLY_BY	1.08	54.11	32572.3	300.0	5.0	111.0	532.0	570.0	5.6	48.93	25606.82	300.0	5.0	98.0	467.0	542.0
TF	YELLA	FLY_BY	5.6	48.93	25606.82	300.0	5.0	98.0	467.0	542.0	0.04	46.08	24000.0	280.0	5.0	95.0	424.0	526.0
TF	BRCKK	FLY_BY	0.04	46.08	24000.0	280.0	5.0	95.0	424.0	526.0	0.09	40.98	21000.0	280.0	5.0	89.0	402.0	496.0
TF	ROADE	FLY_BY	0.09	40.98	21000.0	280.0	5.0	89.0	402.0	496.0	2.21	173.59	17000.0	280.0	1.0	81.0	375.0	456.0
TF	PHIYA	FLY_BY	2.21	173.59	17000.0	280.0	1.0	81.0	375.0	456.0	0.4	150.08	13000.0	280.0	1.0	73.0	351.0	424.0
TF	ROOBY	FLY_BY	0.4	150.08	13000.0	280.0	1.0	73.0	351.0	424.0	2.69	5.05	10000.0	280.0	25.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.69	5.05	10000.0	280.0	25.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0
TF	GRYCE	FLY_OVER	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

EMLLD:Landing KSNA ROOBY 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
EMLLD	LITNG	TerrainPt_7_EMLLD:Landing KSNA ROOBY_EMLLD:LITNG		4E (+- 250/+125)	N33° 51' 36.00"	W114° 40' 18.00"	3375.98	true	P	2000.0		5576	5575.98	11-Apr-2016 12:59:52
LITNG	WTTCH	TerrainPt_20_EMLLD:Landing KSNA ROOBY_LITNG:WTTCH		4E (+- 250/+125)	N33° 50' 00.00"	W115° 02' 21.00"	3845.14	true	P	2000.0		6046	6045.14	11-Apr-2016 12:59:52
WTTCH	DRTHI	TerrainPt_28_EMLLD:Landing KSNA ROOBY_WTTCH:DRTHI		4E (+- 250/+125)	N34° 00' 24.00"	W116° 14' 30.00"	5820.21	true	P	2000.0		8021	8020.21	11-Apr-2016 12:59:52
DRTHI	YELLA	TerrainPt_0_EED:Landing KSNA ROOBY_DRTHI:YELLA		4E (+- 250/+125)	N34° 00' 24.00"	W116° 14' 30.00"	5820.21	true	P	2000.0		8021	8020.21	11-Apr-2016 12:59:52
YELLA	BRCKK	TerrainPt_14_EED:Landing KSNA ROOBY_YELLA:BRCKK		4E (+- 250/+125)	N34° 00' 57.00"	W116° 19' 39.00"	5249.34	true	P	2000.0		7450	7449.34	11-Apr-2016 12:59:52
BRCKK	ROADE	OBS-4001-IPDS	AIRNAV 2	6C (+- 1000/+20)	N33° 48' 54.00"	W116° 40' 48.00"	11034.0	true	S	1167.98		12202	12201.98	11-Apr-2016 12:51:28
ROADE	PHIYA	TerrainPt_27_EED:Landing KSNA ROOBY_ROADE:PHIYA		4E (+- 250/+125)	N33° 50' 06.00"	W116° 43' 39.00"	8421.92	true	P	2000.0		10622	10621.92	11-Apr-2016 12:59:52
PHIYA	ROOBY	TerrainPt_30_EED:Landing KSNA ROOBY_PHIYA:ROOBY		4E (+- 250/+125)	N33° 49' 24.00"	W116° 56' 27.00"	3887.8	true	P	2000.0		6088	6087.8	11-Apr-2016 12:59:52
ROOBY	SLPPR	TerrainPt_16_EED:Landing KSNA ROOBY_ROOBY:SLPPR		4E (+- 250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:59:52
SLPPR	WRSTL	TerrainPt_5_EED:Landing KSNA ROOBY_SLPPR:WRSTL		4E (+- 250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:59:52
WRSTL	JITSU	TerrainPt_0_EED:Landing KSNA ROOBY_WRSTL:JITSU		4E (+- 250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:59:52
JITSU	FYTRR	TerrainPt_47_EED:Landing KSNA ROOBY_JITSU:FYTRR		4E (+- 250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:59:52
FYTRR	GRYCE	TerrainPt_6_EED:Landing KSNA ROOBY_FYTRR:GRYCE		4E (+- 250/+125)	N33° 33' 15.00"	W117° 45' 30.00"	1033.46	true	P	2000.0		3234	3233.46	11-Apr-2016 12:59:52

EMLLD:Landing KSNA ROOBY Criteria Failures

No failures.

Route Evaluation for FEYLA:Landing KSNA ROOBY

FEYLA:Landing KSNA ROOBY 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	FEYLA						0.0	0.0
TF	LRSON	FLY_BY	+28000.0			0.64	29.59	1.0
TF	GITRR	FLY_BY	+25000.0		280.0	7.31	16.51	1.0
TF	DUJNN	FLY_BY	+20000.0			5.02	14.57	1.0
TF	CARZZ	FLY_BY	+16000.0			0.13	13.9	1.0
TF	AASPN	FLY_BY	+14000.0	-15000.0		12.67	5.67	2.78
TF	KADYN	FLY_BY	-13000.0			4.89	6.73	2.78
TF	JRDDN	FLY_BY	+12000.0			1.49	13.37	1.0
TF	ROOBY	FLY_BY	10000.0			1.99	8.83	1.0
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	1.0
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	12.5	7.09	1.17
TF	GRYCE	FLY_OVER	4000.0				2.01	1.17
FM							0.0	0.0

FEYLA:Landing KSNA ROOBY 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	FEYLA				0.0	0.0							0.0	0.0				
TF	LRSON	FLY_BY	0.0		36524.26	300.0	0.0	119.0	574.0	570.0	0.3	54.11	29127.09	300.0	5.0	105.0	498.0	570.0
TF	GITRR	FLY_BY	0.3	54.11	29127.09	300.0	5.0	105.0	498.0	570.0	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0
TF	DUJUNN	FLY_BY	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0
TF	CARZZ	FLY_BY	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0
TF	AASPN	FLY_BY	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0
TF	KADYN	FLY_BY	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0
TF	JRDDN	FLY_BY	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0
TF	ROOBY	FLY_BY	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0
TF	GRYCE	FLY_OVER	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

FEYLA:Landing KSNA ROOBY 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
FEYLA	LRSON	TerrainPt_0_FEYLA:Landing KSNA ROOBY_FEYLA:LRSON		4E (+- 250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	P	2000.0		6800	6799.74	11-Apr-2016 12:59:52
LRSON	GITRR	TerrainPt_27_FEYLA:Landing KSNA ROOBY_LRSON:GITRR		4E (+- 250/+125)	N34° 40' 33.00"	W116° 35' 21.00"	4904.86	true	P	2000.0		7105	7104.86	11-Apr-2016 12:59:52
GITRR	DUUNN	TerrainPt_20_FEYLA:Landing KSNA ROOBY_GITRR:DUUNN		4E (+- 250/+125)	N34° 38' 33.00"	W116° 37' 45.00"	5987.53	true	P	2000.0		8188	8187.53	11-Apr-2016 12:59:52
DUUNN	CARZZ	TerrainPt_12_FEYLA:Landing KSNA ROOBY_DUUNN:CARZZ		4E (+- 250/+125)	N34° 17' 27.00"	W116° 56' 45.00"	8382.55	true	P	2000.0		10583	10582.55	11-Apr-2016 12:59:52
CARZZ	AASPN	TerrainPt_0_FEYLA:Landing KSNA ROOBY_CARZZ:AASPN		4E (+- 250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:59:52
AASPN	KADYN	TerrainPt_22_FEYLA:Landing KSNA ROOBY_AASPN:KADYN		4E (+- 250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:59:52
KADYN	JRDDN	TerrainPt_56_FEYLA:Landing KSNA ROOBY_KADYN:JRDDN		4E (+- 250/+125)	N34° 11' 21.00"	W117° 03' 24.00"	6771.65	true	P	2000.0		8972	8971.65	11-Apr-2016 12:59:52
JRDDN	ROOBY	TerrainPt_14_FEYLA:Landing KSNA ROOBY_JRDDN:ROOBY		4E (+- 250/+125)	N33° 59' 18.00"	W117° 14' 48.00"	3087.27	true	P	2000.0		5288	5287.27	11-Apr-2016 12:59:52
ROOBY	SLPPR	TerrainPt_16_EED:Landing KSNA ROOBY_ROOBY:SLPPR		4E (+- 250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:59:52
SLPPR	WRSTL	TerrainPt_5_EED:Landing KSNA ROOBY_SLPPR:WRSTL		4E (+- 250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:59:52
WRSTL	JITSU	TerrainPt_0_EED:Landing KSNA ROOBY_WRSTL:JITSU		4E (+- 250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:59:52
JITSU	FYTRR	TerrainPt_47_EED:Landing KSNA ROOBY_JITSU:FYTRR		4E (+- 250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:59:52
FYTRR	GRYCE	TerrainPt_6_EED:Landing KSNA ROOBY_FYTRR:GRYCE		4E (+- 250/+125)	N33° 33' 15.00"	W117° 45' 30.00"	1033.46	true	P	2000.0		3234	3233.46	11-Apr-2016 12:59:52

FEYLA:Landing KSNA ROOBY Criteria Failures

No failures.

Route Evaluation for HIMDU:Landing KSNA ROOBY

HIMDU:Landing KSNA ROOBY 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	HIMDU						0.0	0.0
TF	WEELL	FLY_BY				0.17	15.1	1.0
TF	WURMO	FLY_BY				0.44	19.66	1.0
TF	THERS	FLY_BY				0.54	13.64	1.0
TF	FOVOL	FLY_BY				5.83	32.1	1.0
TF	DRTHI	FLY_BY				1.39	31.67	1.0
TF	YELLA	FLY_BY	+24000.0		280.0	0.11	6.43	1.0
TF	BRCKK	FLY_BY	+21000.0			0.24	10.82	1.0
TF	ROADE	FLY_BY	+17000.0	-19000.0		1.46	10.73	1.0
TF	PHIYA	FLY_BY	-13000.0			0.31	11.31	1.0
TF	ROOBY	FLY_BY	10000.0			56.16	15.7	2.69
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	2.69
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	12.5	7.09	1.17
TF	GRYCE	FLY_OVER	4000.0				2.01	1.17
FM							0.0	0.0

ROOBY RNAV

HIMDU:Landing KSNA ROOBY 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	HIMDU				0.0	0.0							0.0	0.0				
TF	WEELL	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.08	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	WURMO	FLY_BY	0.08	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.21	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	THERS	FLY_BY	0.21	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.25	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	FOVOL	FLY_BY	0.25	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	2.75	54.11	33525.36	300.0	5.0	113.0	541.0	570.0
TF	DRTHI	FLY_BY	2.75	54.11	33525.36	300.0	5.0	113.0	541.0	570.0	0.59	48.93	25606.82	300.0	5.0	98.0	467.0	542.0
TF	YELLA	FLY_BY	0.59	48.93	25606.82	300.0	5.0	98.0	467.0	542.0	0.04	46.08	24000.0	280.0	5.0	95.0	424.0	526.0
TF	BRCKK	FLY_BY	0.04	46.08	24000.0	280.0	5.0	95.0	424.0	526.0	0.09	40.98	21000.0	280.0	5.0	89.0	402.0	496.0
TF	ROADE	FLY_BY	0.09	40.98	21000.0	280.0	5.0	89.0	402.0	496.0	2.21	173.59	17000.0	280.0	1.0	81.0	375.0	456.0
TF	PHIYA	FLY_BY	2.21	173.59	17000.0	280.0	1.0	81.0	375.0	456.0	0.4	150.08	13000.0	280.0	1.0	73.0	351.0	424.0
TF	ROOBY	FLY_BY	0.4	150.08	13000.0	280.0	1.0	73.0	351.0	424.0	2.69	5.05	10000.0	280.0	25.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.69	5.05	10000.0	280.0	25.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0
TF	GRYCE	FLY_OVER	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

HIMDU:Landing KSNA ROOBY 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
HIMDU	WEELL	TerrainPt_37_HIMDU:Landing KSNA ROOBY_WEELL		4E (+-250/+125)	N34° 18' 06.00"	W114° 17' 12.00"	3001.97	true	P	2000.0		5202	5201.97	11-Apr-2016 12:59:52
WEELL	WURMO	TerrainPt_0_HIMDU:Landing KSNA ROOBY_WEELL:WURMO		4E (+-250/+125)	N34° 18' 51.00"	W114° 24' 42.00"	4120.73	true	P	2000.0		6321	6320.73	11-Apr-2016 12:59:52
WURMO	THERS	TerrainPt_1_HIMDU:Landing KSNA ROOBY_WURMO:THERS		4E (+-250/+125)	N34° 15' 39.00"	W114° 49' 39.00"	4304.46	true	P	2000.0		6505	6504.46	11-Apr-2016 12:59:52
THERS	FOVOL	TerrainPt_36_HIMDU:Landing KSNA ROOBY_THERS:FOVOL		4E (+-250/+125)	N34° 01' 48.00"	W115° 24' 06.00"	4396.33	true	P	2000.0		6597	6596.33	11-Apr-2016 12:59:52
FOVOL	DRTHI	TerrainPt_38_EED:Landing KSNA ROOBY_FOVOL:DRTHI		4E (+-250/+125)	N34° 00' 24.00"	W116° 14' 30.00"	5820.21	true	P	2000.0		8021	8020.21	11-Apr-2016 12:59:52
DRTHI	YELLA	TerrainPt_0_EED:Landing KSNA ROOBY_DRTHI:YELLA		4E (+-250/+125)	N34° 00' 24.00"	W116° 14' 30.00"	5820.21	true	P	2000.0		8021	8020.21	11-Apr-2016 12:59:52
YELLA	BRCKK	TerrainPt_14_EED:Landing KSNA ROOBY_YELLA:BRCKK		4E (+-250/+125)	N34° 00' 57.00"	W116° 19' 39.00"	5249.34	true	P	2000.0		7450	7449.34	11-Apr-2016 12:59:52
BRCKK	ROADE	OBS-4001-IPDS	AIRNAV 2	6C (+-1000/+20)	N33° 48' 54.00"	W116° 40' 48.00"	11034.0	true	S	1167.98		12202	12201.98	11-Apr-2016 12:51:28
ROADE	PHIYA	TerrainPt_27_EED:Landing KSNA ROOBY_ROADE:PHIYA		4E (+-250/+125)	N33° 50' 06.00"	W116° 43' 39.00"	8421.92	true	P	2000.0		10622	10621.92	11-Apr-2016 12:59:52
PHIYA	ROOBY	TerrainPt_30_EED:Landing KSNA ROOBY_PHIYA:ROOBY		4E (+-250/+125)	N33° 49' 24.00"	W116° 56' 27.00"	3887.8	true	P	2000.0		6088	6087.8	11-Apr-2016 12:59:52
ROOBY	SLPPR	TerrainPt_16_EED:Landing KSNA ROOBY_ROOBY:SLPPR		4E (+-250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:59:52
SLPPR	WRSTL	TerrainPt_5_EED:Landing KSNA ROOBY_SLPPR:WRSTL		4E (+-250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:59:52
WRSTL	JITSU	TerrainPt_0_EED:Landing KSNA ROOBY_WRSTL:JITSU		4E (+-250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:59:52
JITSU	FYTRR	TerrainPt_47_EED:Landing KSNA ROOBY_JITSU:FYTRR		4E (+-250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:59:52
FYTRR	GRYCE	TerrainPt_6_EED:Landing KSNA ROOBY_FYTRR:GRYCE		4E (+-250/+125)	N33° 33' 15.00"	W117° 45' 30.00"	1033.46	true	P	2000.0		3234	3233.46	11-Apr-2016 12:59:52

HIMDU:Landing KSNA ROOBY Criteria Failures

No failures.

Route Evaluation for LRSON:Landing KSNA ROOBY

LRSON:Landing KSNA ROOBY 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	LRSON		+28000.0				0.0	0.0
TF	GITRR	FLY_BY	+25000.0		280.0	7.31	16.51	1.0
TF	DUUNN	FLY_BY	+20000.0			5.02	14.57	1.0
TF	CARZZ	FLY_BY	+16000.0			0.13	13.9	1.0
TF	AASPN	FLY_BY	+14000.0	-15000.0		12.67	5.67	2.78
TF	KADYN	FLY_BY	-13000.0			4.89	6.73	2.78
TF	JRDDN	FLY_BY	+12000.0			1.49	13.37	1.0
TF	ROOBY	FLY_BY	10000.0			1.99	8.83	1.0
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	1.0
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	12.5	7.09	1.17
TF	GRYCE	FLY_OVER	4000.0				2.01	1.17
FM							0.0	0.0

LRSON:Landing KSNA ROOBY 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	LRSON				0.0	0.0							0.0	0.0				
TF	GITRR	FLY_BY	0.0		29127.09	300.0	0.0	105.0	498.0	570.0	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0
TF	DUUNN	FLY_BY	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0
TF	CARZZ	FLY_BY	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0
TF	AASPN	FLY_BY	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0
TF	KADYN	FLY_BY	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0
TF	JRDDN	FLY_BY	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0
TF	ROOBY	FLY_BY	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0
TF	GRYCE	FLY_OVER	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

LRSON:Landing KSNA ROOBY 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
LRSON	GITRR	TerrainPt_27_FEYLA:Landing KSNA ROOBY_LRSON:GITRR		4E (+- 250/+125)	N34° 40' 33.00"	W116° 35' 21.00"	4904.86	true	P	2000.0		7105	7104.86	11-Apr-2016 12:59:52
GITRR	DUUNN	TerrainPt_20_FEYLA:Landing KSNA ROOBY_GITRR:DUUNN		4E (+- 250/+125)	N34° 38' 33.00"	W116° 37' 45.00"	5987.53	true	P	2000.0		8188	8187.53	11-Apr-2016 12:59:52
DUUNN	CARZZ	TerrainPt_12_FEYLA:Landing KSNA ROOBY_DUUNN:CARZZ		4E (+- 250/+125)	N34° 17' 27.00"	W116° 56' 45.00"	8382.55	true	P	2000.0		10583	10582.55	11-Apr-2016 12:59:52
CARZZ	AASPN	TerrainPt_0_FEYLA:Landing KSNA ROOBY_CARZZ:AASPN		4E (+- 250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:59:52
AASPN	KADYN	TerrainPt_22_FEYLA:Landing KSNA ROOBY_AASPN:KADYN		4E (+- 250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:59:52
KADYN	JRDDN	TerrainPt_56_FEYLA:Landing KSNA ROOBY_KADYN:JRDDN		4E (+- 250/+125)	N34° 11' 21.00"	W117° 03' 24.00"	6771.65	true	P	2000.0		8972	8971.65	11-Apr-2016 12:59:52
JRDDN	ROOBY	TerrainPt_14_FEYLA:Landing KSNA ROOBY_JRDDN:ROOBY		4E (+- 250/+125)	N33° 59' 18.00"	W117° 14' 48.00"	3087.27	true	P	2000.0		5288	5287.27	11-Apr-2016 12:59:52
ROOBY	SLPPR	TerrainPt_16_EED:Landing KSNA ROOBY_ROOBY:SLPPR		4E (+- 250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:59:52
SLPPR	WRSTL	TerrainPt_5_EED:Landing KSNA ROOBY_SLPPR:WRSTL		4E (+- 250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:59:52
WRSTL	JITSU	TerrainPt_0_EED:Landing KSNA ROOBY_WRSTL:JITSU		4E (+- 250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:59:52
JITSU	FYTRR	TerrainPt_47_EED:Landing KSNA ROOBY_JITSU:FYTRR		4E (+- 250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:59:52
FYTRR	GRYCE	TerrainPt_6_EED:Landing KSNA ROOBY_FYTRR:GRYCE		4E (+- 250/+125)	N33° 33' 15.00"	W117° 45' 30.00"	1033.46	true	P	2000.0		3234	3233.46	11-Apr-2016 12:59:52

LRSON:Landing KSNA ROOBY Criteria Failures

No failures.

Route Evaluation for MARUE:Landing KSNA ROOBY

MARUE:Landing KSNA ROOBY 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	MARUE						0.0	0.0
TF	SCROW	FLY_BY				0.1	24.13	1.0
TF	FJAYY	FLY_BY				0.45	21.66	1.0
TF	LRSON	FLY_BY	+28000.0			26.07	29.08	12.53
TF	GITRR	FLY_BY	+25000.0		280.0	7.31	16.51	12.53
TF	DUUNN	FLY_BY	+20000.0			5.02	14.57	1.0
TF	CARZZ	FLY_BY	+16000.0			0.13	13.9	1.0
TF	AASPN	FLY_BY	+14000.0	-15000.0		12.67	5.67	2.78
TF	KADYN	FLY_BY	-13000.0			4.89	6.73	2.78
TF	JRDDN	FLY_BY	+12000.0			1.49	13.37	1.0
TF	ROOBY	FLY_BY	10000.0			1.99	8.83	1.0
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	1.0
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	12.5	7.09	1.17
TF	GRYCE	FLY_OVER	4000.0				2.01	1.17
FM							0.0	0.0

MARUE:Landing KRNA ROOBY 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	MARUE				0.0	0.0							0.0	0.0				
TF	SCROW	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.05	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	FJAYY	FLY_BY	0.05	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.21	54.11	36398.0	300.0	5.0	119.0	573.0	570.0
TF	LRSON	FLY_BY	0.21	54.11	36398.0	300.0	5.0	119.0	573.0	570.0	12.53	54.11	29127.09	300.0	5.0	105.0	498.0	570.0
TF	GITRR	FLY_BY	12.53	54.11	29127.09	300.0	5.0	105.0	498.0	570.0	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0
TF	DUUNN	FLY_BY	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0
TF	CARZZ	FLY_BY	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0
TF	AASPN	FLY_BY	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0
TF	KADYN	FLY_BY	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0
TF	JRDDN	FLY_BY	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0
TF	ROOBY	FLY_BY	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0
TF	GRYCE	FLY_OVER	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

MARUE:Landing KSNA ROOBY 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
MARUE	SCROW	TerrainPt_39_MARUE:Landing KSNA ROOBY_MARUE:SCROW		4E (+- 250/+125)	N35° 13' 48.00"	W115° 19' 15.00"	6961.94	true	S	1272.2		8435	8434.14	11-Apr-2016 12:59:53
SCROW	FJAYY	TerrainPt_20_MARUE:Landing KSNA ROOBY_SCROW:FJAYY		4E (+- 250/+125)	N35° 06' 33.00"	W115° 22' 06.00"	6190.94	true	P	2000.0		8391	8390.94	11-Apr-2016 12:59:53
FJAYY	LRSON	TerrainPt_30_MARUE:Landing KSNA ROOBY_FJAYY:LRSON		4E (+- 250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	P	2000.0		6800	6799.74	11-Apr-2016 12:59:53
LRSON	GITRR	TerrainPt_27_FEYLA:Landing KSNA ROOBY_LRSON:GITRR		4E (+- 250/+125)	N34° 40' 33.00"	W116° 35' 21.00"	4904.86	true	P	2000.0		7105	7104.86	11-Apr-2016 12:59:52
GITRR	DUUNN	TerrainPt_20_FEYLA:Landing KSNA ROOBY_GITRR:DUUNN		4E (+- 250/+125)	N34° 38' 33.00"	W116° 37' 45.00"	5987.53	true	P	2000.0		8188	8187.53	11-Apr-2016 12:59:52
DUUNN	CARZZ	TerrainPt_12_FEYLA:Landing KSNA ROOBY_DUUNN:CARZZ		4E (+- 250/+125)	N34° 17' 27.00"	W116° 56' 45.00"	8382.55	true	P	2000.0		10583	10582.55	11-Apr-2016 12:59:52
CARZZ	AASPN	TerrainPt_0_FEYLA:Landing KSNA ROOBY_CARZZ:AASPN		4E (+- 250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:59:52
AASPN	KADYN	TerrainPt_22_FEYLA:Landing KSNA ROOBY_AASPN:KADYN		4E (+- 250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:59:52
KADYN	JRDDN	TerrainPt_56_FEYLA:Landing KSNA ROOBY_KADYN:JRDDN		4E (+- 250/+125)	N34° 11' 21.00"	W117° 03' 24.00"	6771.65	true	P	2000.0		8972	8971.65	11-Apr-2016 12:59:52
JRDDN	ROOBY	TerrainPt_14_FEYLA:Landing KSNA ROOBY_JRDDN:ROOBY		4E (+- 250/+125)	N33° 59' 18.00"	W117° 14' 48.00"	3087.27	true	P	2000.0		5288	5287.27	11-Apr-2016 12:59:52
ROOBY	SLPPR	TerrainPt_16_EED:Landing KSNA ROOBY_ROOBY:SLPPR		4E (+- 250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:59:52
SLPPR	WRSTL	TerrainPt_5_EED:Landing KSNA ROOBY_SLPPR:WRSTL		4E (+- 250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:59:52
WRSTL	JITSU	TerrainPt_0_EED:Landing KSNA ROOBY_WRSTL:JITSU		4E (+- 250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:59:52
JITSU	FYTRR	TerrainPt_47_EED:Landing KSNA ROOBY_JITSU:FYTRR		4E (+- 250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:59:52
FYTRR	GRYCE	TerrainPt_6_EED:Landing KSNA ROOBY_FYTRR:GRYCE		4E (+- 250/+125)	N33° 33' 15.00"	W117° 45' 30.00"	1033.46	true	P	2000.0		3234	3233.46	11-Apr-2016 12:59:52

MARUE:Landing KSNA ROOBY Criteria Failures

No failures.

Route Evaluation for NATEE:Landing KSNA ROOBY

NATEE:Landing KSNA ROOBY 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	NATEE						0.0	0.0
TF	FEYLA	FLY_BY				1.42	35.0	1.0
TF	LRSON	FLY_BY	+28000.0			0.64	29.59	1.0
TF	GITRR	FLY_BY	+25000.0		280.0	7.31	16.51	1.0
TF	DUUNN	FLY_BY	+20000.0			5.02	14.57	1.0
TF	CARZZ	FLY_BY	+16000.0			0.13	13.9	1.0
TF	AASPN	FLY_BY	+14000.0	-15000.0		12.67	5.67	2.78
TF	KADYN	FLY_BY	-13000.0			4.89	6.73	2.78
TF	JRDDN	FLY_BY	+12000.0			1.49	13.37	1.0
TF	ROOBY	FLY_BY	10000.0			1.99	8.83	1.0
TF	SLPPR	FLY_BY	+8000.0			0.03	9.01	1.0
TF	WRSTL	FLY_BY	+6000.0	-8000.0		62.31	8.44	2.27
TF	JITSU	FLY_BY	+5500.0		220.0	0.23	5.68	2.27
TF	FYTRR	FLY_BY	4000.0		210.0	12.5	7.09	1.17
TF	GRYCE	FLY_OVER	4000.0				2.01	1.17
FM							0.0	0.0

ROOBY RNAV

NATEE:Landing KSNA ROOBY 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	NATEE				0.0	0.0							0.0	0.0				
TF	FEYLA	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.67	54.11	36524.26	300.0	5.0	119.0	574.0	570.0
TF	LRSON	FLY_BY	0.67	54.11	36524.26	300.0	5.0	119.0	574.0	570.0	0.3	54.11	29127.09	300.0	5.0	105.0	498.0	570.0
TF	GITRR	FLY_BY	0.3	54.11	29127.09	300.0	5.0	105.0	498.0	570.0	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0
TF	DUUNN	FLY_BY	3.06	47.85	25000.0	280.0	5.0	96.0	431.0	536.0	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0
TF	CARZZ	FLY_BY	1.73	39.34	20000.0	280.0	5.0	87.0	395.0	486.0	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0
TF	AASPN	FLY_BY	0.19	168.3	16100.34	280.0	1.0	79.0	370.0	449.0	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0
TF	KADYN	FLY_BY	2.78	25.07	14682.29	280.0	6.33	76.0	361.0	437.0	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0
TF	JRDDN	FLY_BY	2.62	61.34	13000.0	280.0	2.45	73.0	351.0	424.0	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0
TF	ROOBY	FLY_BY	1.9	145.86	12206.28	280.0	1.0	71.0	347.0	418.0	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0
TF	SLPPR	FLY_BY	2.35	134.91	10000.0	280.0	1.0	67.0	335.0	402.0	0.0		9302.34	250.0	0.0	65.0	296.0	361.0
TF	WRSTL	FLY_BY	0.0		9302.34	250.0	0.0	65.0	296.0	361.0	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0
TF	JITSU	FLY_BY	2.27	3.76	7192.34	250.0	25.0	61.0	286.0	347.0	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0
TF	FYTRR	FLY_BY	0.16	77.15	5772.24	220.0	1.0	58.0	246.0	304.0	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0
TF	GRYCE	FLY_OVER	1.17	10.73	4000.0	210.0	6.25	55.0	229.0	284.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

ROOBY RNAV

NATEE:Landing KSNA ROOBY 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
NATEE	FEYLA	TerrainPt_14_NATEE:Landing KSNA ROOBY_FEYLA		4E (+-250/+125)	N35° 31' 30.00"	W115° 35' 21.00"	7919.95	true	P	2000.0		10120	10119.95	11-Apr-2016 12:59:53
FEYLA	LRSON	TerrainPt_0_FEYLA:Landing KSNA ROOBY_FEYLA:LRSON		4E (+-250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	P	2000.0		6800	6799.74	11-Apr-2016 12:59:52
LRSON	GITRR	TerrainPt_27_FEYLA:Landing KSNA ROOBY_LRSON:GITRR		4E (+-250/+125)	N34° 40' 33.00"	W116° 35' 21.00"	4904.86	true	P	2000.0		7105	7104.86	11-Apr-2016 12:59:52
GITRR	DUUNN	TerrainPt_20_FEYLA:Landing KSNA ROOBY_GITRR:DUUNN		4E (+-250/+125)	N34° 38' 33.00"	W116° 37' 45.00"	5987.53	true	P	2000.0		8188	8187.53	11-Apr-2016 12:59:52
DUUNN	CARZZ	TerrainPt_12_FEYLA:Landing KSNA ROOBY_DUUNN:CARZZ		4E (+-250/+125)	N34° 17' 27.00"	W116° 56' 45.00"	8382.55	true	P	2000.0		10583	10582.55	11-Apr-2016 12:59:52
CARZZ	AASPN	TerrainPt_0_FEYLA:Landing KSNA ROOBY_CARZZ:AASPN		4E (+-250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:59:52
AASPN	KADYN	TerrainPt_22_FEYLA:Landing KSNA ROOBY_AASPN:KADYN		4E (+-250/+125)	N34° 15' 21.00"	W117° 00' 30.00"	8520.34	true	P	2000.0		10721	10720.34	11-Apr-2016 12:59:52
KADYN	JRDDN	TerrainPt_56_FEYLA:Landing KSNA ROOBY_KADYN:JRDDN		4E (+-250/+125)	N34° 11' 21.00"	W117° 03' 24.00"	6771.65	true	P	2000.0		8972	8971.65	11-Apr-2016 12:59:52
JRDDN	ROOBY	TerrainPt_14_FEYLA:Landing KSNA ROOBY_JRDDN:ROOBY		4E (+-250/+125)	N33° 59' 18.00"	W117° 14' 48.00"	3087.27	true	P	2000.0		5288	5287.27	11-Apr-2016 12:59:52
ROOBY	SLPPR	TerrainPt_16_EED:Landing KSNA ROOBY_ROOBY:SLPPR		4E (+-250/+125)	N33° 46' 00.00"	W117° 25' 21.00"	2769.03	true	P	2000.0		4970	4969.03	11-Apr-2016 12:59:52
SLPPR	WRSTL	TerrainPt_5_EED:Landing KSNA ROOBY_SLPPR:WRSTL		4E (+-250/+125)	N33° 39' 12.00"	W117° 26' 48.00"	3517.06	true	P	2000.0		5718	5717.06	11-Apr-2016 12:59:52
WRSTL	JITSU	TerrainPt_0_EED:Landing KSNA ROOBY_WRSTL:JITSU		4E (+-250/+125)	N33° 35' 18.00"	W117° 26' 48.00"	3257.87	true	P	2000.0		5458	5457.87	11-Apr-2016 12:59:52
JITSU	FYTRR	TerrainPt_47_EED:Landing KSNA ROOBY_JITSU:FYTRR		4E (+-250/+125)	N33° 35' 33.00"	W117° 32' 33.00"	1653.54	true	P	2000.0		3854	3853.54	11-Apr-2016 12:59:52
FYTRR	GRYCE	TerrainPt_6_EED:Landing KSNA ROOBY_FYTRR:GRYCE		4E (+-250/+125)	N33° 33' 15.00"	W117° 45' 30.00"	1033.46	true	P	2000.0		3234	3233.46	11-Apr-2016 12:59:52

NATEE:Landing KSNA ROOBY Criteria Failures

No failures.

Evaluation Input

Name:	RS Results Landing KSNA ROOBY
Project:	LGB_SNA ROOBY STAR_Paperwork_20150622
Last evaluated:	11-Apr-2016 12:56:03
Evaluated obstacles?:	true
Obstacle Database:	AIRNAV2
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

No failures.

Evaluation Notes and Warnings

No failures.

Obstacles Requiring Accuracy Code Verification

None.

Database Effective Dates

Database	Date
UddfObstacle	03/09/2015
Tiled AIRNAV2	N/A
OEAAA	N/A
NFDC	03/31/2016
IFP_OFFLINE	N/A
AVNIS	04/11/2016
DOF	03/31/2016
AVNII_OFFLINE	N/A
AIRNAV2	04/11/2016
CIFP	03/31/2016

Notes: