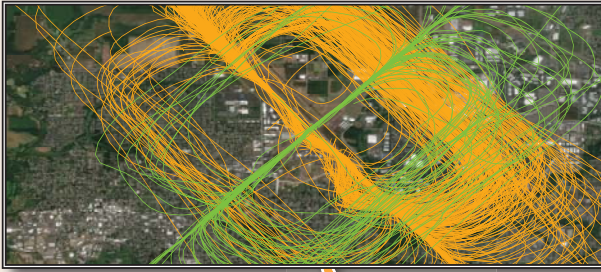
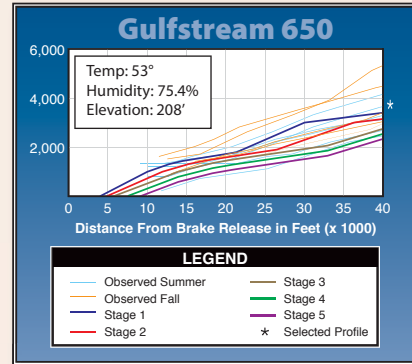


AEDT PROCESS

Flight Tracks/Runway Use



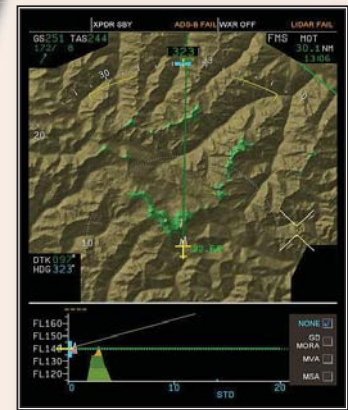
Aircraft Profile Analysis



Existing & Forecast Operations/Fleet Mix

	2016	2021	FORECAST	2036	CHANGE
ANNUAL OPERATIONS					
General Operations	4,304	4,400	4,600	5,000	0.60%
General Aviation	77,778	81,500	81,600	84,800	0.39%
Military	268	300	300	300	0.37%
Total Annual Operations	82,410	86,200	86,500	100,100	0.98%
BASED AIRCRAFT					
Single Engine Piston	223	234	245	275	
Multi Engine Piston	25	25	25	24	
Turboprop	17	20	22	28	
Jet	49	52	53	62	
Helicopter	35	39	41	47	
Total Based Aircraft	354	375	385	445	1.16%
PEAKING OPERATIONS					
Annual	191,763	208,100	220,600	247,700	
Peak Month (11.17%)	22,085	23,245	24,641	27,668	
Busy Day	903	952	1,009	1,133	
Change Day	712	750	795	893	
Design Hour (11.02%)	79	83	88	98	

Time of Day



Terrain

FEDERAL AVIATION ADMINISTRATION (FAA) AIRPORT ENVIRONMENTAL DESIGN TOOL (AEDT)

Operation Group	Mode	Fuel (lb)	Distance (mi)	Duration (hr)	CO (lb)	CO2 (lb)	VOC (lb)	PM10 (lb)	PM2.5 (lb)	NOx (lb)	SOx (lb)	HFAP Mass (lb)	HFAP (lb)	HFAP (lb)
case: name 2035	Climb Taxi	0.00	0.00	00:00:00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
case: name 2035	Climb Ground	1960.48	37.31	10:05:58.73	27.35	6.63	0.68	0.64	0.65	29.12	0.26	0.20	0.05	
case: name 2035	Climb Below 1000	3771.54	307.26	24:00:12.43	224.29	3.29	3.62	3.20	3.31	52.99	0.48	0.37	0.28	
case: name 2035	Climb Below Mixing Height	7704.24	641.19	73:49:57.28	440.31	6.37	6.44	5.88	5.88	101.12	0.90	0.73	0.47	
case: name 2035	Climb Below 10000	17224.05	2060.47	206:03:56.68	1286.40	16.99	17.12	15.02	15.58	231.58	2.84	1.45	7.99	
case: name 2035	Above 10000	43.32	1.86	00:21:15.61	0.65	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
case: name 2035	Descent Below 10000	9039.27	2052.36	208:28:01.23	1119.79	43.85	48.51	46.53	47.18	58.34	0.97	0.82	2.86	
case: name 2035	Descent Below Mixing Height	6228.43	1080.20	100:29:01.95	671.15	25.69	29.54	28.34	28.74	42.05	0.41	0.42	0.63	
case: name 2035	Descent Below 1000	2898.34	428.60	47:29:39.51	285.43	9.08	9.62	9.40	9.56	20.59	0.18	0.28	0.28	
case: name 2035	Descent Ground	365.95	35.94	16:49:02.36	17.58	0.93	1.05	1.02	1.03	2.73	0.02	0.04	0.03	
case: name 2035	Descent Below 10000	0.00	0.00	00:00:00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
case: name 2035	Descent Below 10000	444.51	13.53	2456.84	60.85	65.64	61.56	63.78	290.47	3.82	3.27	10.91		

Air Pollutant Emissions

Noise Contours

