FINAL

**ENVIRONMENTAL ASSESSMENT
FOR THE
UPDATE AND IMPLEMENTATION OF THE
TOTAL FORCE TRAINING MISSION FOR VISITING UNITS
(OPERATION SNOWBIRD, MULTI-SERVICE, AND
FOREIGN MILITARY SALES)
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA**

April 2015

APPENDIX B
AIR QUALITY CALCULATIONS

Study Created: Wed May 07 14:09:09 2014
Report Date: Thu May 08 13:45:59 2014
Study Pathname: K:\Projects\80850102_Snowbird_EA\Air_Analysis\OSB_NAA\OSB_NAA.edm

Study Setup

Unit System: English
Dispersion Modeling: Dispersion is not enabled for this study
Speciated Hydrocarbon Modeling: Speciated Hydrocarbon Modeling is not enabled for this study
Analysis Years: 2013

Scenarios

Scenario Name:	Description:	Update and Implement Total Force Training to Include FMS Aircraft (Preferred Alternative)
Alt 1	Aircraft Times in Mode Basis:	Performance-Based
	Taxi Time Modeling:	User-specified Taxi Times
	FOA3 Sulfur-to-Sulfate Conversion Rate:	2.400000 %
Scenario Name:	Description:	Update and Implement Total Force Training with Limited FMS Aircraft
Alt 2	Aircraft Times in Mode Basis:	Performance-Based
	Taxi Time Modeling:	User-specified Taxi Times
	FOA3 Sulfur-to-Sulfate Conversion Rate:	2.400000 %
Scenario Name:	Description:	Continuation of Total Force Training at 2009 Levels (No Action Alternative)
Baseline	Aircraft Times in Mode Basis:	Performance-Based
	Taxi Time Modeling:	User-specified Taxi Times
	FOA3 Sulfur-to-Sulfate Conversion Rate:	2.400000 %

Airports

Airport Name: Davis Monthan A F B
IATA Code: DMA
ICAO Code: KDMA
FAA Code:
Country: US
State: Arizona
City: Tucson
Airport Description: Davis Monthan AFB
Latitude: 32.166°
Longitude: -110.883°
Northing: 3558893.53
Easting: 511017.69
UTM Zone: 12
Elevation: 2704.00 feet
PM Modeling Methodology: FOA3a (Sulfur-to-Sulfate Conversion Rate = 5.0%, Fuel Sulfur Content = 0.068%)

Scenario-Airport: Alt 1, Davis Monthan A F B

Weather

Alt 1, Davis Monthan A F B

Mixing Height:	3000.00 feet
Temperature:	68.00 °F
Daily High Temperature:	78.35 °F
Daily Low Temperature:	57.65 °F
Pressure:	29.92 inches of Hg
Sea Level Pressure:	29.89 inches of Hg
Relative Humidity:	33.22
Wind Speed:	6.81 knots
Wind Direction:	0.00 °
Ceiling:	99999.99 feet
Visibility:	50.00 miles

The user has used annual averages.

Base Elevation:	2704.00 feet
Date Range:	Thursday, January 01, 2004 to Friday, December 31, 2004
Source Data File Location:	
Upper Air Data File Location:	

Quarter-Hourly Operational Profiles

Alt 1, Davis Monthan A F B

Name: DEFAULT

Quarter-Hour	Weight	Quarter-Hour	Weight	Quarter-Hour	Weight	Quarter-Hour	Weight

12:00am to 12:14 am	1.000000	6:00am to 6:14am	1.000000	12:00pm to 12:14 pm	1.000000	6:00pm to 6:14pm	1.000000
12:15am to 12:29 am	1.000000	6:15am to 6:29am	1.000000	12:15pm to 12:29 pm	1.000000	6:15pm to 6:29pm	1.000000
12:30am to 12:44 am	1.000000	6:30am to 6:44am	1.000000	12:30pm to 12:44 pm	1.000000	6:30pm to 6:44pm	1.000000
12:45am to 12:59 am	1.000000	6:45am to 6:59am	1.000000	12:45pm to 12:59 pm	1.000000	6:45pm to 6:59pm	1.000000
1:00am to 1:14am	1.000000	7:00am to 7:14am	1.000000	1:00pm to 1:14pm	1.000000	7:00pm to 7:14pm	1.000000
1:15am to 1:29am	1.000000	7:15am to 7:29am	1.000000	1:15pm to 1:29pm	1.000000	7:15pm to 7:29pm	1.000000
1:30am to 1:44am	1.000000	7:30am to 7:44am	1.000000	1:30pm to 1:44pm	1.000000	7:30pm to 7:44pm	1.000000
1:45am to 1:59am	1.000000	7:45am to 7:59am	1.000000	1:45pm to 1:59pm	1.000000	7:45pm to 7:59pm	1.000000
2:00am to 2:14am	1.000000	8:00am to 8:14am	1.000000	2:00pm to 2:14pm	1.000000	8:00pm to 8:14pm	1.000000
2:15am to 2:29am	1.000000	8:15am to 8:29am	1.000000	2:15pm to 2:29pm	1.000000	8:15pm to 8:29pm	1.000000
2:30am to 2:44am	1.000000	8:30am to 8:44am	1.000000	2:30pm to 2:44pm	1.000000	8:30pm to 8:44pm	1.000000
2:45am to 2:59am	1.000000	8:45am to 8:59am	1.000000	2:45pm to 2:59pm	1.000000	8:45pm to 8:59pm	1.000000
3:00am to 3:14am	1.000000	9:00am to 9:14am	1.000000	3:00pm to 3:14pm	1.000000	9:00pm to 9:14pm	1.000000
3:15am to 3:29am	1.000000	9:15am to 9:29am	1.000000	3:15pm to 3:29pm	1.000000	9:15pm to 9:29pm	1.000000
3:30am to 3:44am	1.000000	9:30am to 9:44am	1.000000	3:30pm to 3:44pm	1.000000	9:30pm to 9:44pm	1.000000
3:45am to 3:59am	1.000000	9:45am to 9:59am	1.000000	3:45pm to 3:59pm	1.000000	9:45pm to 9:59pm	1.000000
4:00am to 4:14am	1.000000	10:00am to 10:14am	1.000000	4:00pm to 4:14pm	1.000000	10:00pm to 10:14pm	1.000000
4:15am to 4:29am	1.000000	10:15am to 10:29am	1.000000	4:15pm to 4:29pm	1.000000	10:15pm to 10:29pm	1.000000
4:30am to 4:44am	1.000000	10:30am to 10:44am	1.000000	4:30pm to 4:44pm	1.000000	10:30pm to 10:44pm	1.000000
4:45am to 4:59am	1.000000	10:45am to 10:59am	1.000000	4:45pm to 4:59pm	1.000000	10:45pm to 10:59pm	1.000000
5:00am to 5:14am	1.000000	11:00am to 11:14am	1.000000	5:00pm to 5:14pm	1.000000	11:00pm to 11:14pm	1.000000
5:15am to 5:29am	1.000000	11:15am to 11:29am	1.000000	5:15pm to 5:29pm	1.000000	11:15pm to 11:29pm	1.000000
5:30am to 5:44am	1.000000	11:30am to 11:44am	1.000000	5:30pm to 5:44pm	1.000000	11:30pm to 11:44pm	1.000000
5:45am to 5:59am	1.000000	11:45am to 11:59am	1.000000	5:45pm to 5:59pm	1.000000	11:45pm to 11:59pm	1.000000

Daily Operational Profiles

<div align="right">Alt 1, Davis Monthan A F B</div>

Name: DEFAULT

Day	Weight		Day	Weight
Monday	1.000000		Friday	1.000000
Tuesday	1.000000		Saturday	1.000000
Wednesday	1.000000		Sunday	1.000000
Thursday	1.000000			

Monthly Operational Profiles

<div align="right">Alt 1, Davis Monthan A F B</div>

Name: DEFAULT

Month	Weight		Month	Weight
January	1.000000		July	1.000000
February	1.000000		August	1.000000
March	1.000000		September	1.000000
April	1.000000		October	1.000000
May	1.000000		November	1.000000
June	1.000000		December	1.000000

Aircraft

<div align="right">Alt 1, Davis Monthan A F B</div>

Default Taxi Out Time:	19.000000 min
Default Taxi In Time:	7.000000 min

Year:	Uses Schedule?	Schedule Filename:
2013	No	(None)

Aircraft Name:
Boeing F-15 Eagle
Engine Type:
F100-PW-220 (w/AB)
Identification:
F-15
Category:

LMJA

Take Off weight:	11340.00 Kgs
Approach Weight:	9525.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	

	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	54
Annual Arrivals:	54
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Boeing F/A-18 Hornet
Engine Type:
F404-GE-400
Identification:
F/A-18E/F
Category:

LMJA

Take Off weight:	11340.00 Kgs
Approach Weight:	9525.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	110
Annual Arrivals:	110
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Fairchild A-10A Thunderbolt II
Engine Type:
TF34-GE-100-100A
Identification:
A-10
Category:

LMJA

Take Off weight:	23587.00 Kgs
Approach Weight:	18144.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	

Assigned GSE/AGE	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	490
Annual Arrivals:	490
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Lockheed C-130 Hercules
Engine Type:
T56-A-15
Identification:
C-130H/J
Category:
LMTC

Take Off weight:	59874.00 Kgs
Approach Weight:	55111.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	95
Annual Arrivals:	95
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Lockheed Martin F-16 Fighting Falcon
Engine Type:
F100-PW-200 (w/AB)
Identification:
F-16
Category:
SMJA

Take Off weight:	11340.00 Kgs
Approach Weight:	9525.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	1136
Annual Arrivals:	1136
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Lockheed Martin F-16 Fighting Falcon
Engine Type:
F100-PW-200 (w/AB)
Identification:
F-16 equivalents
Category:
SMJA

Take Off weight:	11340.00 Kgs
Approach Weight:	9525.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	366
Annual Arrivals:	366
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Sikorsky CH-53E Super Stallion
Engine Type:
T64-GE-100
Identification:
HH-60
Category:
LMTH

Take Off weight:	16783.00 Kgs
Approach Weight:	16783.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year

Year: 2013	Annual Departures:	75
	Annual Arrivals:	75
	Annual TGOs:	0
	Taxi Out Time:	Determined by Sequencing model
	Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

GSE Population

Alt 1, Davis Monthan A F B

Type:		Fuel:	Ref. Model:	Identification:
Air Conditioner		Electric		#1

Rated Power:	75.00 hp
Load Factor:	75.00%

The user has selected to use the default age distribution, and has not chosen a specific age.

Analysis Year:	2013
Year of Manufacture:	N/A
Age:	N/A

Gate:	Percent

Year: 2013	Population:	2 units
	Yealry Operating Time:	1000.00 hours
	Quarter-Hourly Operational profile:	DEFAULT
	Daily Operational profile:	DEFAULT
	Monthly Operational Profile:	DEFAULT

Type:		Fuel:	Ref. Model:	Identification:
Aircraft Tractor		Gasoline		#1

Rated Power:	617.00 hp
Load Factor:	80.00%

The user has selected to use the default age distribution, and has not chosen a specific age.

Analysis Year:	2013
Year of Manufacture:	N/A
Age:	N/A

Gate:	Percent

Year: 2013	Population:	1 units
	Yealry Operating Time:	300.00 hours
	Quarter-Hourly Operational profile:	DEFAULT
	Daily Operational profile:	DEFAULT
	Monthly Operational Profile:	DEFAULT

Type:		Fuel:	Ref. Model:	Identification:
Fuel Truck		Gasoline	Dukes Transportation Services / DART 8000 to 10,000 gallon	#1

Rated Power:	300.00 hp
Load Factor:	25.00%

The user has selected to use the default age distribution, and has not chosen a specific age.

Analysis Year:	2013
Year of Manufacture:	N/A
Age:	N/A

Gate:	Percent

Year:
2013

Population:	6 units
Yealry Operating Time:	150.00 hours
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

Type:		Fuel:	Ref. Model:	Identification:
Ground Power Unit		Gasoline	TLD	#1

Rated Power:	75.00 hp
Load Factor:	75.00%

The user has selected to use the default age distribution, and has not chosen a specific age.

Analysis Year:	2013
Year of Manufacture:	N/A
Age:	N/A

Gate:	Percent

Year:
2013

Population:	3 units
Yealry Operating Time:	1000.00 hours
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

Parking Facilities
Alt 1, Davis Monthan A F B

None.

Roadways
Alt 1, Davis Monthan A F B

Roadway Name:
Roadway

Vehicle Type:	Default Fleet Mix (all types, fuels & ages)
Fuel:	Gasoline
Manufactured Year:	0
Average Speed:	45 mph
Roadway Length:	20.00 miles
Release Height:	

Width:	65.62 feet		
Point:	X (feet)	Y (feet)	Elevation (feet)
1	0.00	0.00	0
2	328.08	0.00	0

Year:
2013

Traffic Volume:	0
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

The user has NOT edited the following emission factors:

CO (g/veh):	7.025
THC (g/veh):	-1
NMHC (g/veh):	0.495
VOC (g/veh):	0.501
NOX (g/veh):	0.874
SOX (g/veh):	0.0089
PM-10 (g/veh):	0.0355
PM-25 (g/veh):	0.0201
TOG (g/veh):	

BENZENE (g/veh):	0.015607	
MTBE (g/veh):	0	
1,3-BUTA (g/veh):	0.002122	
FORMALDEHYDE (g/veh):	0.005603	
ACETALDEHYDE (g/veh):	0.004042	
ACROLEIN (g/veh):	0.000243	

Stationary Sources

Stationary Source Name:
Boiler/Space Heater

Stationary Category:	Boiler/Space Heater
Stationary Type:	Bituminous Coal: Pulverized, Dry Bottom, Wall Fired, Pre-NSPS

This stationary source is modeled as a point

Elevation:	2704.00 feet
Release Height:	65.62 feet
Gas Velocity:	15.00 m/s
Temperature:	400.00 °F
CO EI :	0.2500Kg/Metric Ton
TNMOC EI :	0.0300Kg/Metric Ton
NOx EI :	11.0000Kg/Metric Ton
SOx EI :	19.0000Kg/Metric Ton -
PM-10 EI :	1.1500Kg/Metric Ton - 0X1.4D9300P-880sh
Fuel Sulfur Content :	2.16 %
Fuel Ash Content :	11.12 %
CO Pollution Control Factor :	0.00 %
TNMOC Pollution Control Factor:	0.00 %
NOx Pollution Control Factor :	0.00 %
SOx Pollution Control Factor :	0.00 %
PM-10 Pollution Control Factor:	0.00 %

Point:	X (feet)	Y (feet)
1	0.00	0.00

Year:
2013

Metric Tons Used	2
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

The user has NOT edited the emission factors.

Stationary Source Name:
Engine Test

Stationary Category:	Aircraft Engine Testing
Stationary Type:	Engine of My Aircraft

This stationary source is modeled as a point

Elevation:	2704.00 feet
Release Height:	65.62 feet
Gas Velocity:	15.00 m/s
Temperature:	400.00 °F
Time at 30Power :	0.000000minutes/cycle
Time at 85Power :	0.000000minutes/cycle
Time at 100Power :	0.000000minutes/cycle
Time at 7Power :	0.000000minutes/cycle

Point:	X (feet)	Y (feet)
1	0.00	0.00

Year:
2013

Test Cycles	12
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

The user has edited the emission factors.

Stationary Source Name:
Fuel Tank

Stationary Category:	Fuel Tank
Stationary Type:	Horizontal: Jet Naphtha (JP-4)

This stationary source is modeled as a point

Elevation:	2704.00 feet
Release Height:	65.62 feet
Gas Velocity:	15.00 m/s
Temperature:	400.00 °F
Shell Length :	0.000000meters
Shell Diameter :	0.000000meters

Point:	X (feet)	Y (feet)
1	0.00	0.00

Year:
2013

Kiloliters Used	450
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

The user has edited the emission factors.

Training Fires
Alt 1, Davis Monthan A F B

None.

Gates
Alt 1, Davis Monthan A F B

None.

Taxiways
Alt 1, Davis Monthan A F B

None.

Runways
Alt 1, Davis Monthan A F B

Runway Name: 1	Name:	X (feet)	Y (feet)	Elevation (feet)	Glide Slope (°)
	1	0.00	0.00	2704.00	3.00

Runway Name: 19	Name:	X (feet)	Y (feet)	Elevation (feet)	Glide Slope (°)
	19	0.00	0.00	2704.00	3.00

Taxipaths
Alt 1, Davis Monthan A F B

None.

Configurations
Alt 1, Davis Monthan A F B

None.

Buildings
Alt 1, Davis Monthan A F B

None.

Discrete Cartesian Receptors
Alt 1, Davis Monthan A F B

None.

Discrete Polar Receptors
Alt 1, Davis Monthan A F B

None.

Cartesian Receptor Networks
Alt 1, Davis Monthan A F B

None.

Polar Receptor Networks
Alt 1, Davis Monthan A F B

None.

User-Created Aircraft
Alt 1, Davis Monthan A F B

None.

User-Created GSE
Alt 1, Davis Monthan A F B

None.

User-Created APU
Alt 1, Davis Monthan A F B

None.

Scenario-Airport: Alt 2, Davis Monthan A F B

Weather

Mixing Height:	3000.00 feet
Temperature:	68.00 °F
Daily High Temperature:	78.35 °F
Daily Low Temperature:	57.65 °F
Pressure:	29.92 inches of Hg
Sea Level Pressure:	29.89 inches of Hg
Relative Humidity:	33.22
Wind Speed:	6.81 knots
Wind Direction:	0.00 °
Ceiling:	99999.99 feet
Visibility:	50.00 miles
The user has used annual averages.	
Base Elevation:	2704.00 feet
Date Range:	Thursday, January 01, 2004 to Friday, December 31, 2004
Source Data File Location:	
Upper Air Data File Location:	

Quarter-Hourly Operational Profiles

Name: DEFAULT

Quarter-Hour	Weight	Quarter-Hour	Weight	Quarter-Hour	Weight	Quarter-Hour	Weight
12:00am to 12:14 am	1.000000	6:00am to 6:14am	1.000000	12:00pm to 12:14 pm	1.000000	6:00pm to 6:14pm	1.000000
12:15am to 12:29 am	1.000000	6:15am to 6:29am	1.000000	12:15pm to 12:29 pm	1.000000	6:15pm to 6:29pm	1.000000
12:30am to 12:44 am	1.000000	6:30am to 6:44am	1.000000	12:30pm to 12:44 pm	1.000000	6:30pm to 6:44pm	1.000000
12:45am to 12:59 am	1.000000	6:45am to 6:59am	1.000000	12:45pm to 12:59 pm	1.000000	6:45pm to 6:59pm	1.000000
1:00am to 1:14am	1.000000	7:00am to 7:14am	1.000000	1:00pm to 1:14pm	1.000000	7:00pm to 7:14pm	1.000000
1:15am to 1:29am	1.000000	7:15am to 7:29am	1.000000	1:15pm to 1:29pm	1.000000	7:15pm to 7:29pm	1.000000
1:30am to 1:44am	1.000000	7:30am to 7:44am	1.000000	1:30pm to 1:44pm	1.000000	7:30pm to 7:44pm	1.000000
1:45am to 1:59am	1.000000	7:45am to 7:59am	1.000000	1:45pm to 1:59pm	1.000000	7:45pm to 7:59pm	1.000000
2:00am to 2:14am	1.000000	8:00am to 8:14am	1.000000	2:00pm to 2:14pm	1.000000	8:00pm to 8:14pm	1.000000
2:15am to 2:29am	1.000000	8:15am to 8:29am	1.000000	2:15pm to 2:29pm	1.000000	8:15pm to 8:29pm	1.000000
2:30am to 2:44am	1.000000	8:30am to 8:44am	1.000000	2:30pm to 2:44pm	1.000000	8:30pm to 8:44pm	1.000000
2:45am to 2:59am	1.000000	8:45am to 8:59am	1.000000	2:45pm to 2:59pm	1.000000	8:45pm to 8:59pm	1.000000
3:00am to 3:14am	1.000000	9:00am to 9:14am	1.000000	3:00pm to 3:14pm	1.000000	9:00pm to 9:14pm	1.000000
3:15am to 3:29am	1.000000	9:15am to 9:29am	1.000000	3:15pm to 3:29pm	1.000000	9:15pm to 9:29pm	1.000000
3:30am to 3:44am	1.000000	9:30am to 9:44am	1.000000	3:30pm to 3:44pm	1.000000	9:30pm to 9:44pm	1.000000
3:45am to 3:59am	1.000000	9:45am to 9:59am	1.000000	3:45pm to 3:59pm	1.000000	9:45pm to 9:59pm	1.000000
4:00am to 4:14am	1.000000	10:00am to 10:14am	1.000000	4:00pm to 4:14pm	1.000000	10:00pm to 10:14pm	1.000000
4:15am to 4:29am	1.000000	10:15am to 10:29am	1.000000	4:15pm to 4:29pm	1.000000	10:15pm to 10:29pm	1.000000
4:30am to 4:44am	1.000000	10:30am to 10:44am	1.000000	4:30pm to 4:44pm	1.000000	10:30pm to 10:44pm	1.000000
4:45am to 4:59am	1.000000	10:45am to 10:59am	1.000000	4:45pm to 4:59pm	1.000000	10:45pm to 10:59pm	1.000000
5:00am to 5:14am	1.000000	11:00am to 11:14am	1.000000	5:00pm to 5:14pm	1.000000	11:00pm to 11:14pm	1.000000
5:15am to 5:29am	1.000000	11:15am to 11:29am	1.000000	5:15pm to 5:29pm	1.000000	11:15pm to 11:29pm	1.000000
5:30am to 5:44am	1.000000	11:30am to 11:44am	1.000000	5:30pm to 5:44pm	1.000000	11:30pm to 11:44pm	1.000000
5:45am to 5:59am	1.000000	11:45am to 11:59am	1.000000	5:45pm to 5:59pm	1.000000	11:45pm to 11:59pm	1.000000

Daily Operational Profiles

Name: DEFAULT

Day	Weight	Day	Weight
Monday	1.000000	Friday	1.000000
Tuesday	1.000000	Saturday	1.000000
Wednesday	1.000000	Sunday	1.000000
Thursday	1.000000		

Monthly Operational Profiles

Name: DEFAULT

Month	Weight	Month	Weight

January	1.000000		July	1.000000	
February	1.000000		August	1.000000	
March	1.000000		September	1.000000	
April	1.000000		October	1.000000	
May	1.000000		November	1.000000	
June	1.000000		December	1.000000	

Aircraft

Default Taxi Out Time: 19.000000 min
Default Taxi In Time: 7.000000 min

Year:	Uses Schedule?	Schedule Filename:
2013	No	(None)

Aircraft Name:
Boeing F-15 Eagle
Engine Type:
F100-PW-220 (w/AB)
Identification:
F-15
Category:
LMJA

Take Off weight:	11340.00 Kgs
Approach Weight:	9525.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	54
Annual Arrivals:	54
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Boeing F/A-18 Hornet
Engine Type:
F404-GE-400
Identification:
F/A-18E/F
Category:
LMJA

Take Off weight:	11340.00 Kgs
Approach Weight:	9525.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	110
Annual Arrivals:	110
Annual TGOs:	0

Taxi Out Time:	Determined by Sequencing model	
Taxi In Time:	Determined by Sequencing model	

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Fairchild A-10A Thunderbolt II
Engine Type:
TF34-GE-100-100A
Identification:
A-10
Category:

LMJA

Take Off weight:	23587.00 Kgs
Approach Weight:	18144.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	490
Annual Arrivals:	490
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Lockheed C-130 Hercules
Engine Type:
T56-A-15
Identification:
C-130
Category:

LMTC

Take Off weight:	59874.00 Kgs
Approach Weight:	55111.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	95
Annual Arrivals:	95
Annual TGOs:	0

Taxi Out Time:	Determined by Sequencing model			
Taxi In Time:	Determined by Sequencing model			

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Lockheed Martin F-16 Fighting Falcon
Engine Type:
F100-PW-200 (w/AB)
Identification:
F-16
Category:
SMJA

Take Off weight:	11340.00 Kgs
Approach Weight:	9525.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	944
Annual Arrivals:	944
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Lockheed Martin F-16 Fighting Falcon
Engine Type:
F100-PW-200 (w/AB)
Identification:
F-16 equivalents
Category:
SMJA

Take Off weight:	11340.00 Kgs
Approach Weight:	9525.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	366
Annual Arrivals:	366
Annual TGOs:	0

Taxi Out Time:		Determined by Sequencing model				
Taxi In Time:		Determined by Sequencing model				

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Sikorsky SH-60 Sea Hawk
Engine Type:
T700-GE-401 -401C
Identification:
HH-60
Category:

SMTH

Take Off weight:	9185.00 Kgs
Approach Weight:	9185.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year

Year:
2013

Annual Departures:	75
Annual Arrivals:	75
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

GSE Population

Alt 2, Davis Monthan A F B

Type:		Fuel:	Ref. Model:	Identification:
Air Conditioner		Electric		#1

Rated Power:	75.00 hp
Load Factor:	75.00%
The user has selected to use the default age distribution, and has not chosen a specific age.	
Analysis Year:	2013
Year of Manufacture:	N/A
Age:	N/A

Gate:	Percent

Year:
2013

Population:	2 units
Yealry Operating Time:	1000.00 hours
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

Type:		Fuel:	Ref. Model:	Identification:

Aircraft Tractor		Gasoline	Douglas TBL-400 #1

Rated Power: 617.00 hp
Load Factor: 80.00%
The user has selected to use the default age distribution, and has not chosen a specific age.
Analysis Year: 2013
Year of Manufacture: N/A
Age: N/A

Gate: Percent

Year:
2013

Population: 1 units
Yealry Operating Time: 300.00 hours
Quarter-Hourly Operational profile: DEFAULT
Daily Operational profile: DEFAULT
Monthly Operational Profile: DEFAULT

Type:		Fuel:	Ref. Model: Identification:
Fuel Truck		Gasoline	Dukes Transportation Services / DART 8000 to 10,000 gallon #1

Rated Power: 300.00 hp
Load Factor: 25.00%
The user has selected to use the default age distribution, and has not chosen a specific age.
Analysis Year: 2013
Year of Manufacture: N/A
Age: N/A

Gate: Percent

Year:
2013

Population: 6 units
Yealry Operating Time: 150.00 hours
Quarter-Hourly Operational profile: DEFAULT
Daily Operational profile: DEFAULT
Monthly Operational Profile: DEFAULT

Type:		Fuel:	Ref. Model: Identification:
Ground Power Unit		Gasoline	TLD #1

Rated Power: 75.00 hp
Load Factor: 75.00%
The user has selected to use the default age distribution, and has not chosen a specific age.
Analysis Year: 2013
Year of Manufacture: N/A
Age: N/A

Gate: Percent

Year:
2013

Population: 3 units
Yealry Operating Time: 1000.00 hours
Quarter-Hourly Operational profile: DEFAULT
Daily Operational profile: DEFAULT
Monthly Operational Profile: DEFAULT

Parking Facilities

Alt 2, Davis Monthan A F B

None.

Roadways

Alt 2, Davis Monthan A F B

Roadway Name:

Roadway	Vehicle Type:	Default Fleet Mix (all types, fuels & ages)		
	Fuel:	Gasoline		
	Manufactured Year:	2013		
	Average Speed:	45 mph		
	Roadway Length:	20.00 miles		
	Release Height:			

	Width:	65.62 feet		
	Point:	X (feet)	Y (feet)	Elevation (feet)
	1	0.00	0.00	0
	2	328.08	0.00	0

Year:
2013

Traffic Volume:	0
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

The user has edited the following emission factors:

CO (g/veh):	0
THC (g/veh):	-1
NMHC (g/veh):	0
VOC (g/veh):	0
NOX (g/veh):	0
SOX (g/veh):	0
PM-10 (g/veh):	0
PM-25 (g/veh):	0
TOG (g/veh):	
BENZENE (g/veh):	0
MTBE (g/veh):	0
1,3-BUTA (g/veh):	0
FORMALDEHYDE (g/veh):	0
ACETALDEHYDE (g/veh):	0
ACROLEIN (g/veh):	0

Stationary Sources

Stationary Source Name:
Boiler/Space Heater

Stationary Category:	Boiler/Space Heater
Stationary Type:	Bituminous Coal: Pulverized, Dry Bottom, Wall Fired, Pre-NSPS

This stationary source is modeled as a point

Elevation:	2704.00 feet	
Release Height:	65.62 feet	
Gas Velocity:	15.00 m/s	
Temperature:	400.00 °F	
CO EI :	0.250000Kg/Metric Ton	
TNMOC EI :	0.030000Kg/Metric Ton	
NOx EI :	11.000000Kg/Metric Ton	
SOx EI :	19.000000Kg/Metric Ton -	
PM-10 EI :	1.150000Kg/Metric Ton - 0X1.4D9300P-880sh	
Fuel Sulfur Content :	2.160000 %	
Fuel Ash Content :	11.120000 %	
CO Pollution Control Factor :	0.000000 %	
TNMOC Pollution Control Factor:	0.000000 %	
NOx Pollution Control Factor :	0.000000 %	
SOx Pollution Control Factor :	0.000000 %	
PM-10 Pollution Control Factor:	0.000000 %	
Point:	X (feet)	Y (feet)
1	0.00	0.00

Year:
2013

Metric Tons Used	2
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

The user has NOT edited the emission factors.

| Stationary Source Name: Engine Testing | Stationary Category: | Aircraft Engine Testing |
| | Stationary Type: | Engine of My Aircraft |

This stationary source is modeled as a point

Elevation:	2704.00 feet
Release Height:	65.62 feet
Gas Velocity:	15.00 m/s
Temperature:	400.00 °F
Time at 30Power :	0.000000minutes/cycle
Time at 85Power :	0.000000minutes/cycle
Time at 100Power :	0.000000minutes/cycle
Time at 7Power :	0.000000minutes/cycle

Point:	X (feet)	Y (feet)
1	0.00	0.00

Year: 2013

Test Cycles	12
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

The user has edited the emission factors.

| Stationary Source Name: Fuel Tank | Stationary Category: | Fuel Tank |
| | Stationary Type: | Horizontal: Jet Naphtha (JP-4) |

This stationary source is modeled as a point

Elevation:	2704.00 feet
Release Height:	65.62 feet
Gas Velocity:	15.00 m/s
Temperature:	400.00 °F
Shell Length :	0.000000meters
Shell Diameter :	0.000000meters

Point:	X (feet)	Y (feet)
1	0.00	0.00

Year: 2013

Kiloliters Used	450
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

The user has edited the emission factors.

Training Fires

None.

Gates

None.

Taxiways

None.

Runways

Runway Name: 1	Name:	X (feet)	Y (feet)	Elevation (feet)	Glide Slope (°)
	1	0.00	0.00	2704.00	3.00

Runway Name: 19	Name:	X (feet)	Y (feet)	Elevation (feet)	Glide Slope (°)
	19	0.00	0.00	2704.00	3.00

Taxipaths

None.

Configurations	Alt 2, Davis Monthan A F B

None.

Buildings	Alt 2, Davis Monthan A F B

None.

Discrete Cartesian Receptors	Alt 2, Davis Monthan A F B

None.

Discrete Polar Receptors	Alt 2, Davis Monthan A F B

None.

Cartesian Receptor Networks	Alt 2, Davis Monthan A F B

None.

Polar Receptor Networks	Alt 2, Davis Monthan A F B

None.

User-Created Aircraft	Alt 2, Davis Monthan A F B

None.

User-Created GSE	Alt 2, Davis Monthan A F B

None.

User-Created APU	Alt 2, Davis Monthan A F B

None.

Scenario-Airport: Baseline, Davis Monthan A F B

Weather	Baseline, Davis Monthan A F B

Mixing Height:	3000.00 feet
Temperature:	68.00 °F
Daily High Temperature:	78.35 °F
Daily Low Temperature:	57.65 °F
Pressure:	29.92 inches of Hg
Sea Level Pressure:	29.89 inches of Hg
Relative Humidity:	33.22
Wind Speed:	6.81 knots
Wind Direction:	0.00 °
Ceiling:	99999.99 feet
Visibility:	50.00 miles

The user has used annual averages.

Base Elevation:	2704.00 feet
Date Range:	Thursday, January 01, 2004 to Friday, December 31, 2004
Source Data File Location:	
Upper Air Data File Location:	

Quarter-Hourly Operational Profiles	Baseline, Davis Monthan A F B

Name: DEFAULT

Quarter-Hour	Weight	Quarter-Hour	Weight	Quarter-Hour	Weight	Quarter-Hour	Weight
12:00am to 12:14 am	1.000000	6:00am to 6:14am	1.000000	12:00pm to 12:14 pm	1.000000	6:00pm to 6:14pm	1.000000
12:15am to 12:29 am	1.000000	6:15am to 6:29am	1.000000	12:15pm to 12:29 pm	1.000000	6:15pm to 6:29pm	1.000000
12:30am to 12:44 am	1.000000	6:30am to 6:44am	1.000000	12:30pm to 12:44 pm	1.000000	6:30pm to 6:44pm	1.000000
12:45am to 12:59 am	1.000000	6:45am to 6:59am	1.000000	12:45pm to 12:59 pm	1.000000	6:45pm to 6:59pm	1.000000
1:00am to 1:14am	1.000000	7:00am to 7:14am	1.000000	1:00pm to 1:14pm	1.000000	7:00pm to 7:14pm	1.000000
1:15am to 1:29am	1.000000	7:15am to 7:29am	1.000000	1:15pm to 1:29pm	1.000000	7:15pm to 7:29pm	1.000000
1:30am to 1:44am	1.000000	7:30am to 7:44am	1.000000	1:30pm to 1:44pm	1.000000	7:30pm to 7:44pm	1.000000
1:45am to 1:59am	1.000000	7:45am to 7:59am	1.000000	1:45pm to 1:59pm	1.000000	7:45pm to 7:59pm	1.000000
2:00am to 2:14am	1.000000	8:00am to 8:14am	1.000000	2:00pm to 2:14pm	1.000000	8:00pm to 8:14pm	1.000000
2:15am to 2:29am	1.000000	8:15am to 8:29am	1.000000	2:15pm to 2:29pm	1.000000	8:15pm to 8:29pm	1.000000
2:30am to 2:44am	1.000000	8:30am to 8:44am	1.000000	2:30pm to 2:44pm	1.000000	8:30pm to 8:44pm	1.000000

2:45am to 2:59am	1.000000	8:45am to 8:59am	1.000000	2:45pm to 2:59pm	1.000000	8:45pm to 8:59pm	1.000000
3:00am to 3:14am	1.000000	9:00am to 9:14am	1.000000	3:00pm to 3:14pm	1.000000	9:00pm to 9:14pm	1.000000
3:15am to 3:29am	1.000000	9:15am to 9:29am	1.000000	3:15pm to 3:29pm	1.000000	9:15pm to 9:29pm	1.000000
3:30am to 3:44am	1.000000	9:30am to 9:44am	1.000000	3:30pm to 3:44pm	1.000000	9:30pm to 9:44pm	1.000000
3:45am to 3:59am	1.000000	9:45am to 9:59am	1.000000	3:45pm to 3:59pm	1.000000	9:45pm to 9:59pm	1.000000
4:00am to 4:14am	1.000000	10:00am to 10:14am	1.000000	4:00pm to 4:14pm	1.000000	10:00pm to 10:14pm	1.000000
4:15am to 4:29am	1.000000	10:15am to 10:29am	1.000000	4:15pm to 4:29pm	1.000000	10:15pm to 10:29pm	1.000000
4:30am to 4:44am	1.000000	10:30am to 10:44am	1.000000	4:30pm to 4:44pm	1.000000	10:30pm to 10:44pm	1.000000
4:45am to 4:59am	1.000000	10:45am to 10:59am	1.000000	4:45pm to 4:59pm	1.000000	10:45pm to 10:59pm	1.000000
5:00am to 5:14am	1.000000	11:00am to 11:14am	1.000000	5:00pm to 5:14pm	1.000000	11:00pm to 11:14pm	1.000000
5:15am to 5:29am	1.000000	11:15am to 11:29am	1.000000	5:15pm to 5:29pm	1.000000	11:15pm to 11:29pm	1.000000
5:30am to 5:44am	1.000000	11:30am to 11:44am	1.000000	5:30pm to 5:44pm	1.000000	11:30pm to 11:44pm	1.000000
5:45am to 5:59am	1.000000	11:45am to 11:59am	1.000000	5:45pm to 5:59pm	1.000000	11:45pm to 11:59pm	1.000000

Daily Operational Profiles

Baseline, Davis Monthan A F B

Name: DEFAULT

Day	Weight		Day	Weight
Monday	1.000000		Friday	1.000000
Tuesday	1.000000		Saturday	1.000000
Wednesday	1.000000		Sunday	1.000000
Thursday	1.000000			

Monthly Operational Profiles

Baseline, Davis Monthan A F B

Name: DEFAULT

Month	Weight		Month	Weight
January	1.000000		July	1.000000
February	1.000000		August	1.000000
March	1.000000		September	1.000000
April	1.000000		October	1.000000
May	1.000000		November	1.000000
June	1.000000		December	1.000000

Aircraft

Baseline, Davis Monthan A F B

Default Taxi Out Time:	19.000000 min
Default Taxi In Time:	7.000000 min

Year:	Uses Schedule?	Schedule Filename:
2013	No	(None)

Aircraft Name:
Boeing F-15 Eagle
Engine Type:
F100-PW-220 (w/AB)
Identification:
F-15
Category:
LMJA

Take Off weight:	11340.00 Kgs
Approach Weight:	9525.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	33
Annual Arrivals:	33
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT

	Departure Monthly Operational Profile:	DEFAULT
	Arrival Quarter-Hourly Operational profile:	DEFAULT
	Arrival Daily Operational Profile:	DEFAULT
	Arrival Monthly Operational Profile:	DEFAULT
	Touch & Go Quarter-Hourly Operational profile:	DEFAULT
	Touch & Go Daily Operational Profile:	DEFAULT
	Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Boeing F/A-18 Hornet
Engine Type:
F404-GE-400
Identification:
F/A-18E/F
Category:
LMJA

Take Off weight:	11340.00 Kgs
Approach Weight:	9525.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	67
Annual Arrivals:	67
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Fairchild A-10A Thunderbolt II
Engine Type:
TF34-GE-100-100A
Identification:
A-10C
Category:
LMJA

Take Off weight:	23587.00 Kgs
Approach Weight:	18144.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	297
Annual Arrivals:	297
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT

Aircraft Name:
Lockheed C-130 Hercules
Engine Type:
T56-A-15
Identification:
C-130
Category:
LMTC

Take Off weight:	59874.00 Kgs
Approach Weight:	55111.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	57
Annual Arrivals:	57
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Lockheed Martin F-16 Fighting Falcon
Engine Type:
F100-PW-200 (w/AB)
Identification:
F-16
Category:
SMJA

Take Off weight:	11340.00 Kgs
Approach Weight:	9525.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	688
Annual Arrivals:	688
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT

Aircraft Name:
Lockheed Martin F-16 Fighting Falcon
Engine Type:
F100-PW-200 (w/AB)
Identification:
F-16 equivalents
Category:
SMJA

Take Off weight:	11340.00 Kgs
Approach Weight:	9525.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year
Cart (Taylor Dunn)	Diesel	5.00	5.00	25.00	50.00	
Generator (Generic)	Diesel	0.00	120.00	158.00	82.00	
Lift (Generic)	Diesel	5.00	5.00	115.00	50.00	
Other (Generic)	Diesel	0.00	0.00	140.00	50.00	

Year:
2013

Annual Departures:	221
Annual Arrivals:	221
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT
Touch & Go Quarter-Hourly Operational profile:	DEFAULT
Touch & Go Daily Operational Profile:	DEFAULT
Touch & Go Monthly Operational Profile:	DEFAULT

Aircraft Name:
Sikorsky SH-60 Sea Hawk
Engine Type:
T700-GE-401 -401C
Identification:
HH-60
Category:
SMTH

Take Off weight:	9185.00 Kgs
Approach Weight:	9185.00 Kgs
Glide Slope:	3.00°
APU Assignment:	None
APU Departure OP Time:	13.00 min
APU Arrival OP Time:	13.00 min
Gate Assignment:	None

Assigned GSE/AGE:	FUEL	Arrival Op Time (mins)	Departure Op Time (mins)	Horsepower (hp)	Load Factor (%)	Manufactured Year

Year:
2013

Annual Departures:	45
Annual Arrivals:	45
Annual TGOs:	0
Taxi Out Time:	Determined by Sequencing model
Taxi In Time:	Determined by Sequencing model

Departure Quarter-Hourly Operational profile:	DEFAULT
Departure Daily Operational Profile:	DEFAULT
Departure Monthly Operational Profile:	DEFAULT
Arrival Quarter-Hourly Operational profile:	DEFAULT
Arrival Daily Operational Profile:	DEFAULT
Arrival Monthly Operational Profile:	DEFAULT

Touch & Go Quarter-Hourly Operational profile:	DEFAULT	
Touch & Go Daily Operational Profile:	DEFAULT	
Touch & Go Monthly Operational Profile:	DEFAULT	

GSE Population

Type:	Fuel:	Ref. Model:	Identification:
Air Conditioner	Electric		#1

Rated Power:	75.00 hp
Load Factor:	75.00%

The user has selected to use the default age distribution, and has not chosen a specific age.

Analysis Year:	2013
Year of Manufacture:	N/A
Age:	N/A

Gate:	Percent

Year: 2013

Population:	2 units
Yealry Operating Time:	1000.00 hours
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

Type:	Fuel:	Ref. Model:	Identification:
Aircraft Tractor	Gasoline	Douglas TBL-400	#1

Rated Power:	617.00 hp
Load Factor:	80.00%

The user has selected to use the default age distribution, and has not chosen a specific age.

Analysis Year:	2013
Year of Manufacture:	N/A
Age:	N/A

Gate:	Percent

Year: 2013

Population:	1 units
Yealry Operating Time:	300.00 hours
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

Type:	Fuel:	Ref. Model:	Identification:
Fuel Truck	Gasoline	Dukes Transportation Services / DART 8000 to 10,000 gallon	#1

Rated Power:	300.00 hp
Load Factor:	25.00%

The user has selected to use the default age distribution, and has not chosen a specific age.

Analysis Year:	2013
Year of Manufacture:	N/A
Age:	N/A

Gate:	Percent

Year: 2013

Population:	6 units
Yealry Operating Time:	150.00 hours
Quarter-Hourly Operational	DEFAULT

profile:
Daily Operational profile: DEFAULT
Monthly Operational Profile: DEFAULT

	Type:			Fuel:	Ref. Model:	Identification:
	Ground Power Unit			Gasoline	TLD	#1

Rated Power: 75.00 hp
Load Factor: 75.00%

The user has selected to use the default age distribution, and has not chosen a specific age.

Analysis Year: 2013
Year of Manufacture: N/A
Age: N/A

Gate: Percent

Year:
2013

Population: 3 units
Yealry Operating Time: 1000.00 hours
Quarter-Hourly Operational
profile: DEFAULT
Daily Operational profile: DEFAULT
Monthly Operational Profile: DEFAULT

Parking Facilities   Baseline, Davis Monthan A F B

None.

Roadways   Baseline, Davis Monthan A F B

Roadway Name:
Roadway

Vehicle Type: Default Fleet Mix (all types, fuels & ages)
Fuel: Gasoline
Manufactured Year: 2013
Average Speed: 45 mph
Roadway Length: 20.00 miles
Release Height:

Width: 65.62 feet

Point:	X (feet)	Y (feet)	Elevation (feet)
1	0.00	0.00	0
2	328.08	0.00	0

Year:
2013

Traffic Volume: 0
Quarter-Hourly Operational
profile: DEFAULT
Daily Operational profile: DEFAULT
Monthly Operational Profile: DEFAULT

The user has NOT edited the following emission factors:
CO (g/veh):   7.025
THC (g/veh):   -1
NMHC (g/veh):   0.495
VOC (g/veh):   0.501
NOX (g/veh):   0.874
SOX (g/veh):   0.0089
PM-10 (g/veh):   0.0355
PM-25 (g/veh):   0.0201
TOG (g/veh):
BENZENE (g/veh):   0.015607
MTBE (g/veh):   0
1,3-BUTA (g/veh):   0.002122
FORMALDEHYDE (g/veh): 0.005603
ACETALDEHYDE (g/veh): 0.004042
ACROLEIN (g/veh):   0.000243

Stationary Sources   Baseline, Davis Monthan A F B

Stationary Source Name:	Stationary Category:	Boiler/Space Heater
Boiler/Space Heater		

	Stationary Type:	Bituminous Coal: Pulverized, Dry Bottom, Wall Fired, Pre-NSPS

This stationary source is modeled as a point

Elevation:	2704.00 feet
Release Height:	65.62 feet
Gas Velocity:	15.00 m/s
Temperature:	400.00 °F
CO EI :	0.250000Kg/Metric Ton
TNMOC EI :	0.030000Kg/Metric Ton
NOx EI :	11.000000Kg/Metric Ton
SOx EI :	19.000000Kg/Metric Ton -
PM-10 EI :	1.150000Kg/Metric Ton - 0X1.4D9300P-880sh
Fuel Sulfur Content :	2.160000 %
Fuel Ash Content :	11.120000 %
CO Pollution Control Factor :	0.000000 %
TNMOC Pollution Control Factor:	0.000000 %
NOx Pollution Control Factor :	0.000000 %
SOx Pollution Control Factor :	0.000000 %
PM-10 Pollution Control Factor:	0.000000 %

Point:	X (feet)	Y (feet)
1	0.00	0.00

Year:
2013

Metric Tons Used	2
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

The user has NOT edited the emission factors.

Stationary Source Name:
Engine Test

Stationary Category:	Aircraft Engine Testing
Stationary Type:	Engine of My Aircraft

This stationary source is modeled as a point

Elevation:	2704.00 feet
Release Height:	65.62 feet
Gas Velocity:	15.00 m/s
Temperature:	400.00 °F
Time at 30Power :	0.000000minutes/cycle
Time at 85Power :	0.000000minutes/cycle
Time at 100Power :	0.000000minutes/cycle
Time at 7Power :	0.000000minutes/cycle

Point:	X (feet)	Y (feet)
1	0.00	0.00

Year:
2013

Test Cycles	12
Quarter-Hourly Operational profile:	DEFAULT
Daily Operational profile:	DEFAULT
Monthly Operational Profile:	DEFAULT

The user has edited the emission factors.

Stationary Source Name:
Fuel Tank

Stationary Category:	Fuel Tank
Stationary Type:	Horizontal: Jet Naphtha (JP-4)

This stationary source is modeled as a point

Elevation:	2704.00 feet
Release Height:	65.62 feet
Gas Velocity:	15.00 m/s
Temperature:	400.00 °F
Shell Length :	0.000000meters
Shell Diameter :	0.000000meters

Point:	X (feet)	Y (feet)
1	0.00	0.00

Year: 2013		
	Kiloliters Used	450
	Quarter-Hourly Operational profile:	DEFAULT
	Daily Operational profile:	DEFAULT
	Monthly Operational Profile:	DEFAULT

The user has edited the emission factors.

Training Fires
<div align="right">Baseline, Davis Monthan A F B</div>

None.

Gates
<div align="right">Baseline, Davis Monthan A F B</div>

None.

Taxiways
<div align="right">Baseline, Davis Monthan A F B</div>

None.

Runways
<div align="right">Baseline, Davis Monthan A F B</div>

Runway Name: 1	Name:	X (feet)	Y (feet)	Elevation (feet)	Glide Slope (°)
	1	0.00	0.00	2704.00	3.00

Runway Name: 19	Name:	X (feet)	Y (feet)	Elevation (feet)	Glide Slope (°)
	19	0.00	0.00	2704.00	3.00

Taxipaths
<div align="right">Baseline, Davis Monthan A F B</div>

None.

Configurations
<div align="right">Baseline, Davis Monthan A F B</div>

None.

Buildings
<div align="right">Baseline, Davis Monthan A F B</div>

None.

Discrete Cartesian Receptors
<div align="right">Baseline, Davis Monthan A F B</div>

None.

Discrete Polar Receptors
<div align="right">Baseline, Davis Monthan A F B</div>

None.

Cartesian Receptor Networks
<div align="right">Baseline, Davis Monthan A F B</div>

None.

Polar Receptor Networks
<div align="right">Baseline, Davis Monthan A F B</div>

None.

User-Created Aircraft
<div align="right">Baseline, Davis Monthan A F B</div>

None.

User-Created GSE
<div align="right">Baseline, Davis Monthan A F B</div>

None.

User-Created APU
<div align="right">Baseline, Davis Monthan A F B</div>

None.

Emissions Inventory Summary
(Short Tons per Year)
Baseline - Davis Monthan A F B 2013

Category	CO2	CO	THC	NMHC	VOC	TOG	NOx	SOx	PM-10	PM-2.5
Aircraft	1,983.877	18.613	6.453	7.461	7.422	7.461	3.806	0.812	N/A	N/A
GSE	N/A	25.944	N/A	0.905	0.943	1.040	3.397	0.069	0.131	0.126
APUs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Parking Facilities	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roadways	N/A	0.000	N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Stationary Sources	0.000	0.001	0.000	0.029	0.029	0.029	0.024	0.090	0.003	0.001
Training Fires	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grand Total	1,983.877	44.557	6.453	8.395	8.394	8.530	7.227	0.972	0.133	0.126

Emissions Inventory Summary
(Short Tons per Year)
Alt 1 - Davis Monthan A F B 2013

Category	CO2	CO	THC	NMHC	VOC	TOG	NOx	SOx	PM-10	PM-2.5
Aircraft	3,294.593	32.259	11.292	13.057	12.989	13.057	6.250	1.349	N/A	N/A
GSE	N/A	26.229	N/A	0.990	1.033	1.132	4.528	0.072	0.198	0.190
APUs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Parking Facilities	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roadways	N/A	0.000	N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Stationary Sources	0.000	0.001	0.000	0.029	0.029	0.029	0.024	0.090	0.003	0.001
Training Fires	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grand Total	3,294.593	58.489	11.292	14.076	14.051	14.218	10.802	1.511	0.200	0.191

Emissions Inventory Summary
(Short Tons per Year)
Alt 2 - Davis Monthan A F B 2013

Category	CO2	CO	THC	NMHC	VOC	TOG	NOx	SOx	PM-10	PM-2.5
Aircraft	2,989.635	29.124	9.955	11.510	11.450	11.510	5.667	1.224	N/A	N/A
GSE	N/A	26.168	N/A	0.971	1.014	1.112	4.283	0.071	0.183	0.176
APUs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Parking Facilities	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roadways	N/A	0.000	N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Stationary Sources	0.000	0.001	0.000	0.029	0.029	0.029	0.024	0.090	0.003	0.001
Training Fires	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grand Total	2,989.635	55.292	9.955	12.511	12.493	12.651	9.975	1.386	0.186	0.177