

DOCKETED

Docket Number:	15-AFC-01
Project Title:	Puente Power Project
TN #:	213832
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Docketed Date:	9/29/2016

CALIFORNIA ENERGY COMMISSION
REPORT OF CONVERSATION



**Siting, Transmission, and
 Environmental Protection Division**

FILE: 15-AFC-01

PROJECT TITLE: Puente Power Project

<input checked="" type="checkbox"/> E-mail		<input type="checkbox"/> Meeting Location: NA	
NAME:	Andrea Koch (916-654-3850)	DATE:	9/14/16
		TIME:	10:28 am
WITH:	Todd McNamee, Director of the Ventura County Department of Airports (Todd.McNamee@ventura.org)		
SUBJECT:	MITRE Model Results for Puente		

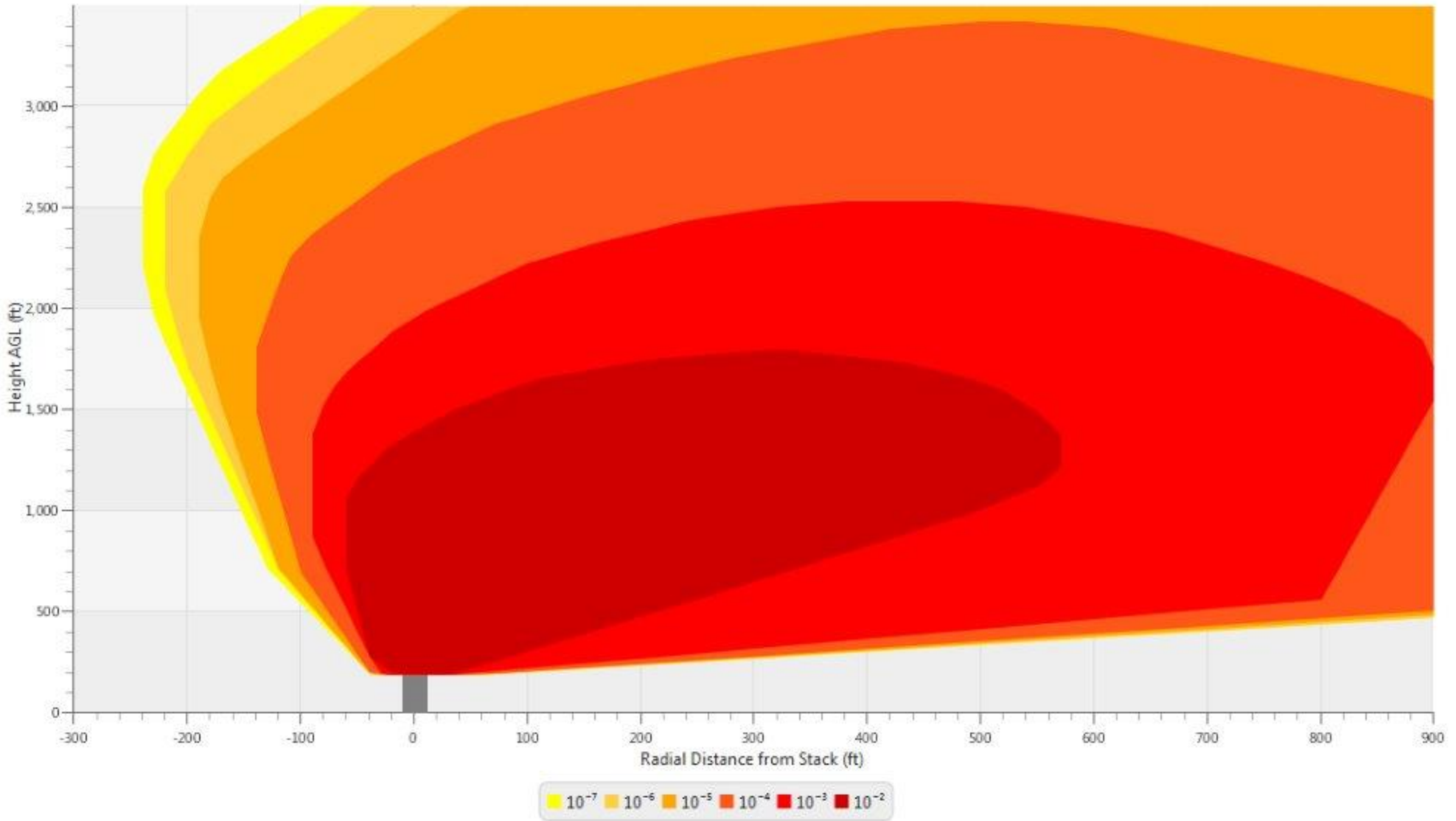
E-MAIL:

Todd McNamee of the Ventura County Department of Airports requested that CEC staff provide him with the results of the MITRE model for predicting risk to different types of aircraft flying through the project's thermal plume at different altitudes. He is concerned about impacts to Oxnard Airport operations from the plume. The attachments show the MITRE model's estimates of risk to aircraft.

It should be noted that staff is using the Spillane method in the FSA to determine potential plume impacts to aviation due to limitations of the MITRE model, which will be discussed in the FSA.

CC:	Signed:
	Name: Andrea Koch

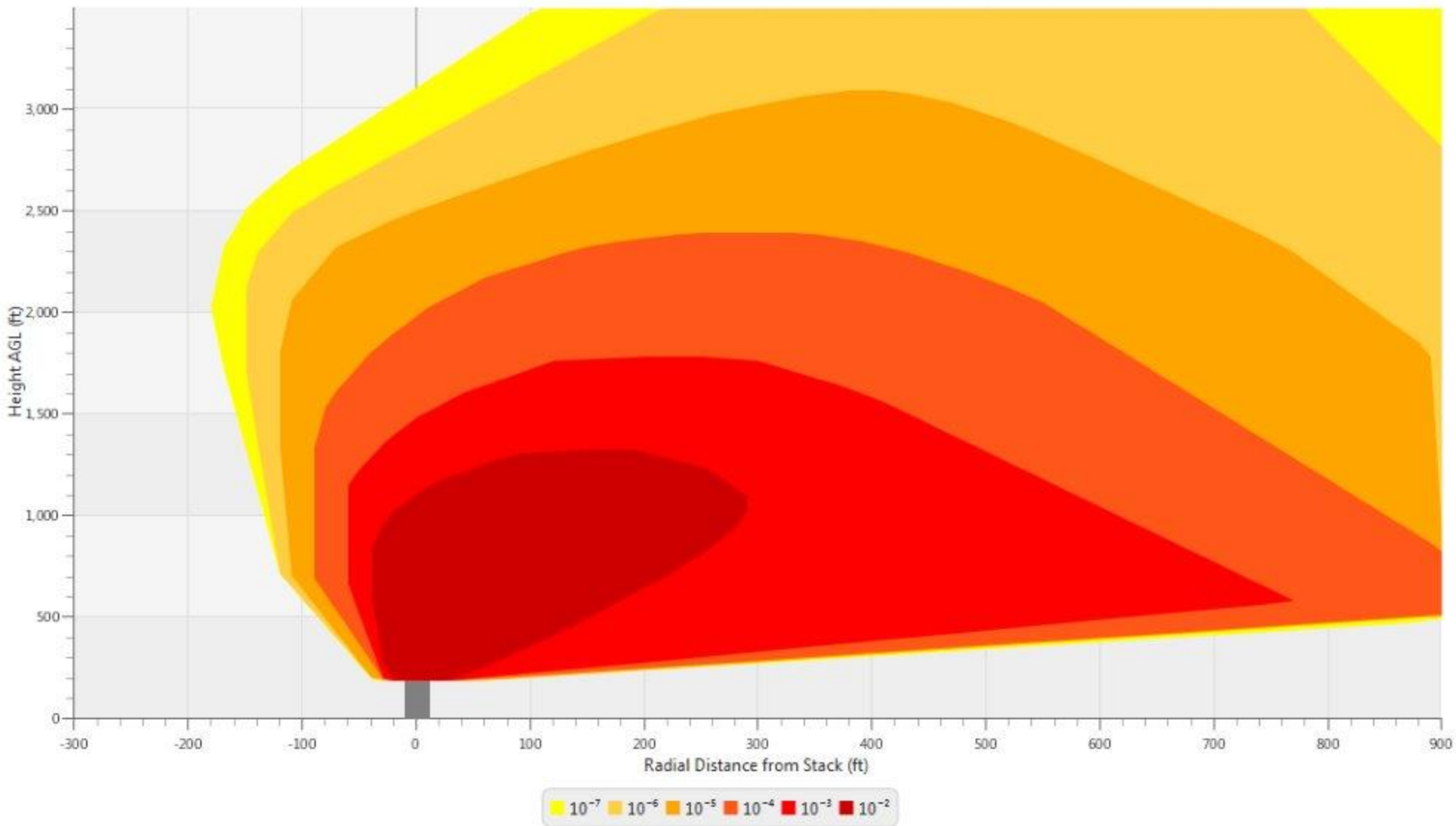
Light-Sport - Probability of Severe Turbulence



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Number of Stacks = 1
Efflux Velocity = 159.2 ft/s Efflux Temperature = 900°F
Source = Lat: 34.208, Lon: -119.252, Start Date: 2011-01-01, End Date: 2013-12-30
25284 hour(s) of valid weather data processed.

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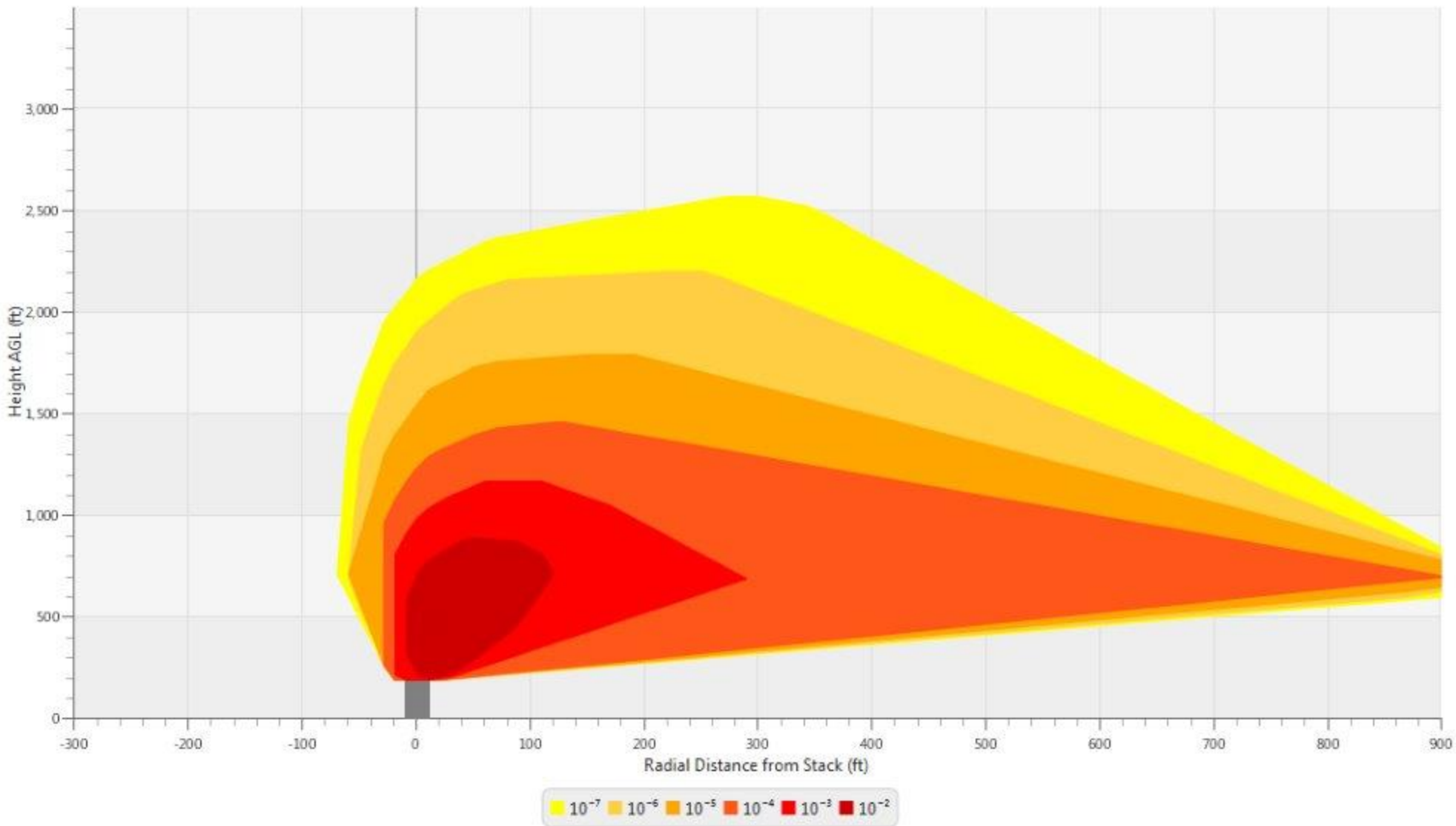
Light GA - Probability of Severe Turbulence



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Number of Stacks = 1
Efflux Velocity = 159.2 ft/s Efflux Temperature = 900°F
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25284 hour(s) of valid weather data processed.

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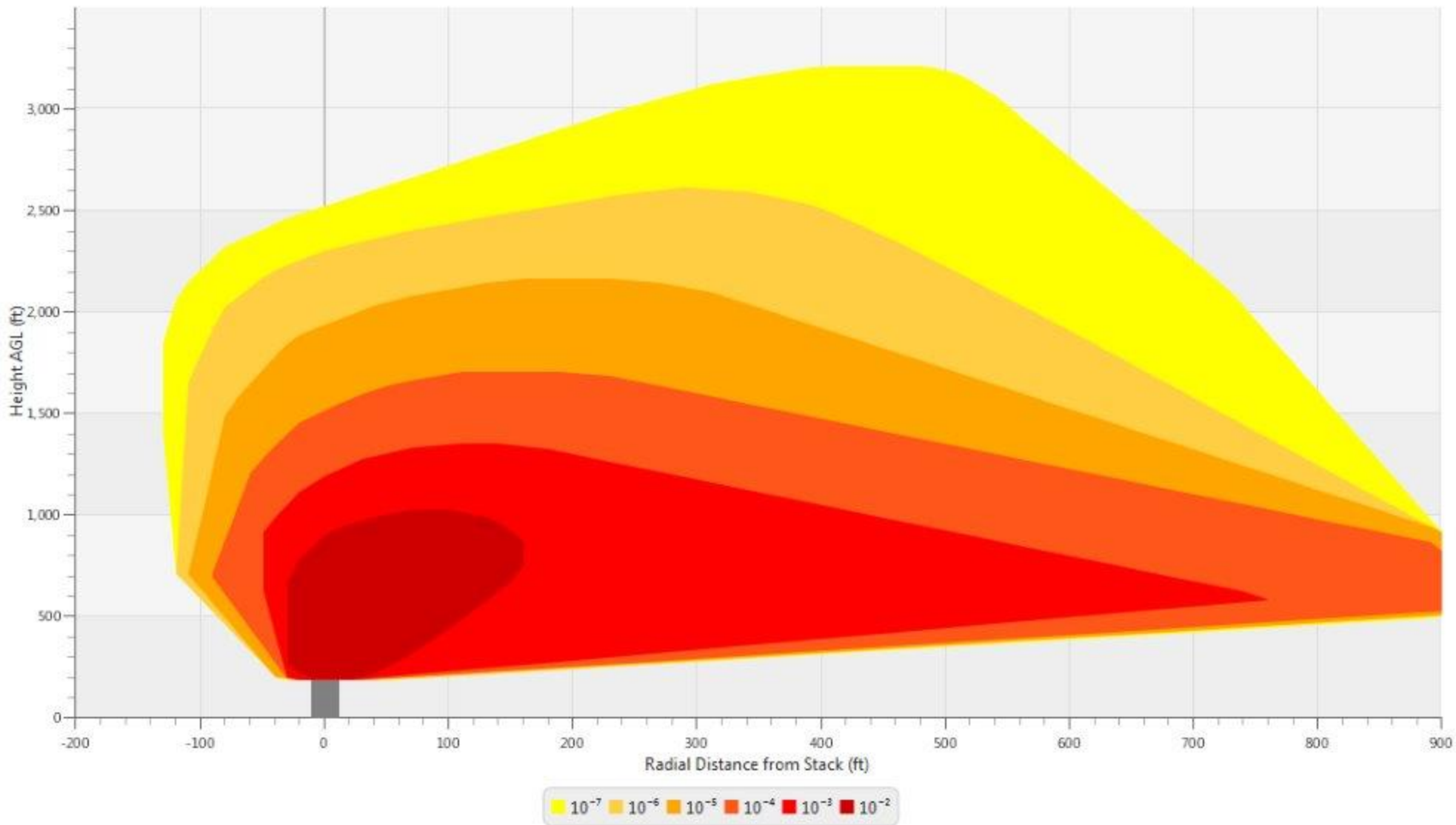
Light GA - Probability of Upset



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Number of Stacks = 1
Efflux Velocity = 159.2 ft/s Efflux Temperature = 900°F
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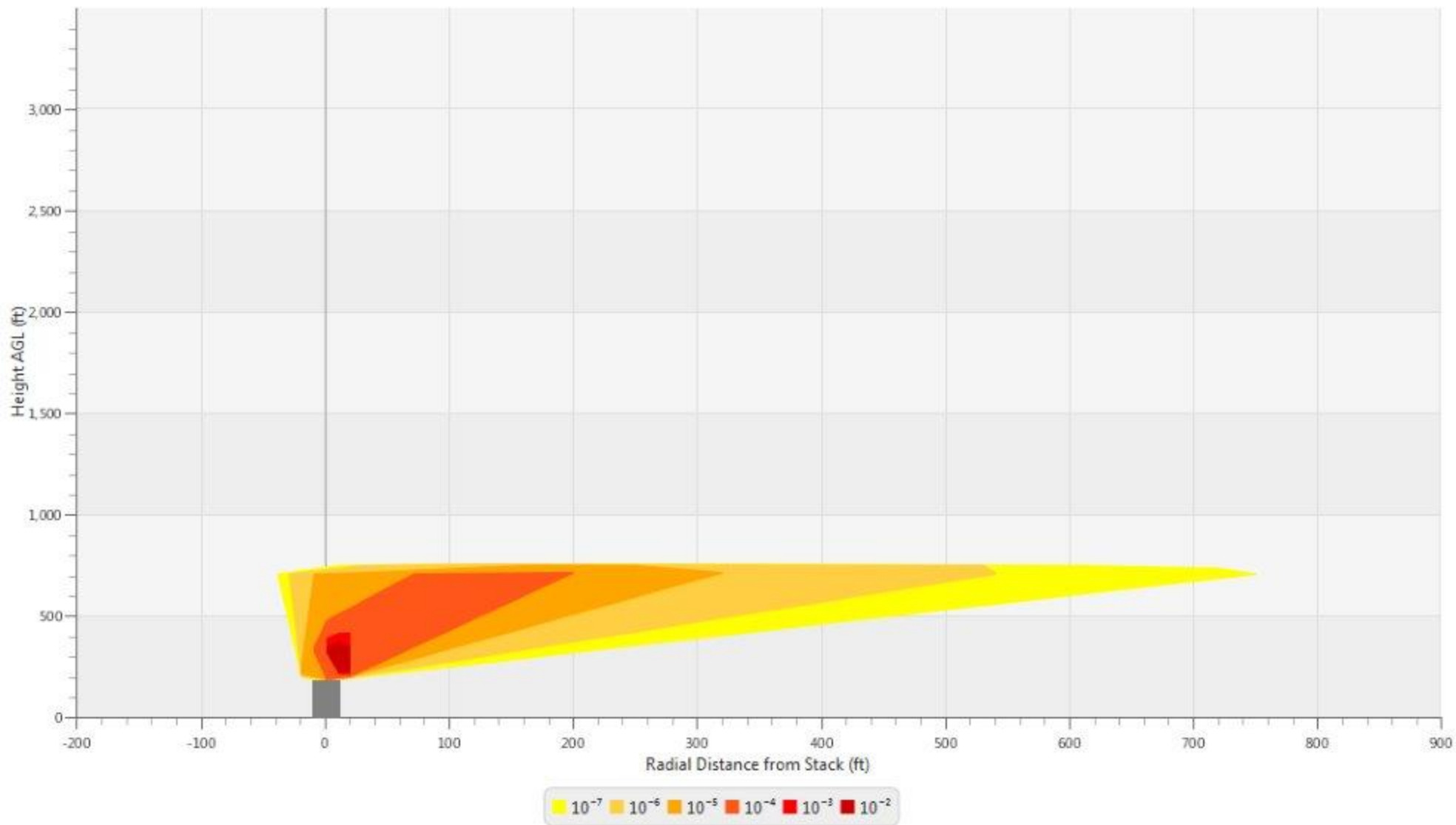
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Business Jet - Probability of Severe Turbulence



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Business Jet - Probability of Upset



Stack Height = 188.0 ft Stack Diameter = 22.0 ft

Number of Stacks = 1

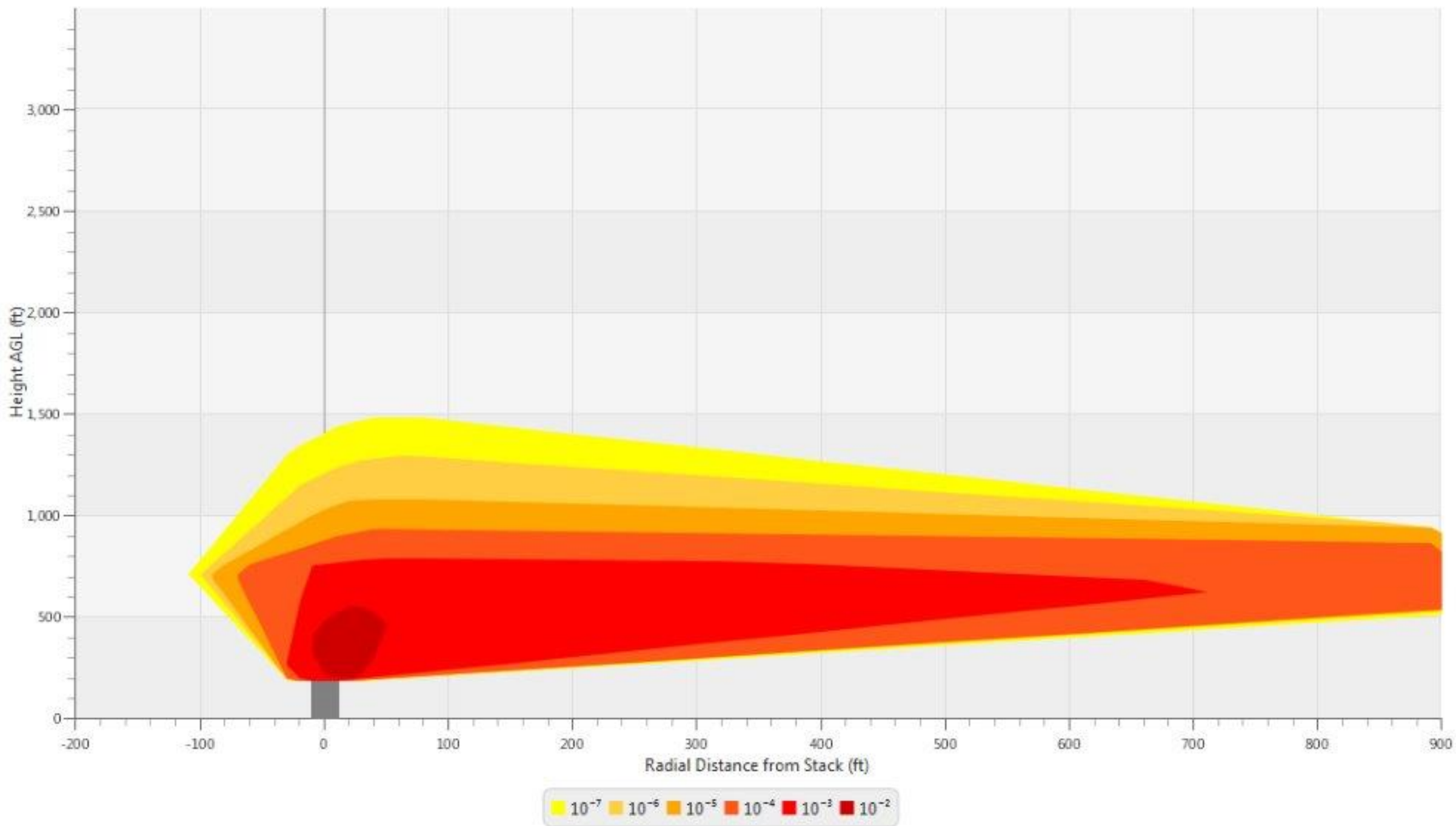
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Weather date range: 2011-01-01 thru 2013-12-30. 25284 hour(s) of valid weather data processed.

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Narrow-Body Jet - Probability of Severe Turbulence



Stack Height = 188.0 ft Stack Diameter = 22.0 ft

Number of Stacks = 1

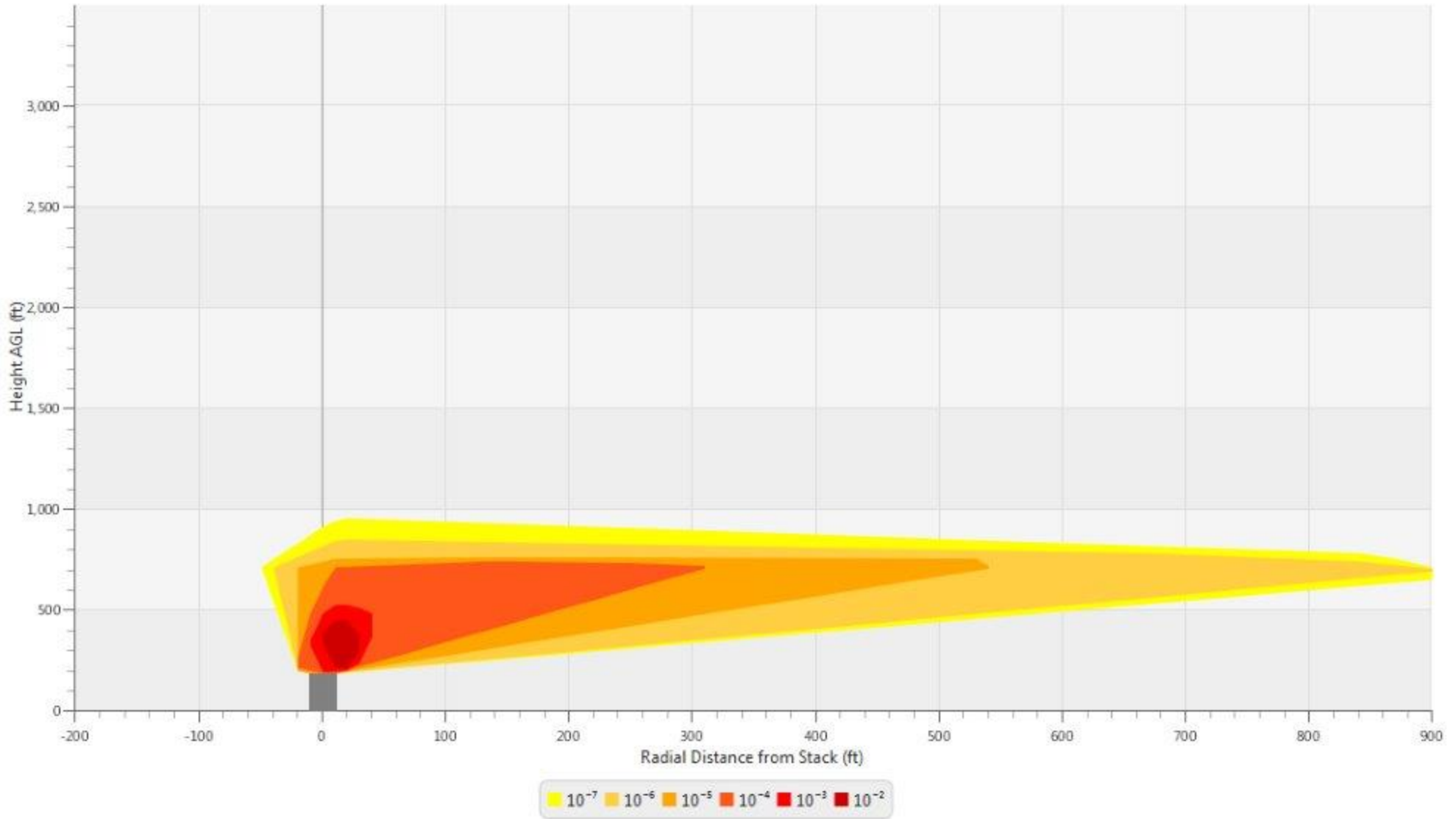
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Weather date range: 2011-01-01 thru 2013-12-30. 25284 hour(s) of valid weather data processed.

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Narrow-Body Jet - Probability of Upset



Stack Height = 188.0 ft Stack Diameter = 22.0 ft
Number of Stacks = 1
Efflux Velocity = 159.2 ft/s Efflux Temperature = 900°F
File = exhaust plume weather data - lat 34.208 lon -119.252 - 2011-01-01 thru 2013-12-30.csv
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