NOAA HYSPLIT MODEL

Deposition (/m2) at ground-level
Integrated from 1800 09 Apr to 2000 09 Apr 08 (UTC)
RGM Release started at 0000 01 Apr 08 (UTC)

Source 30.532 N 88.557 W

Gulfport
Jackson
Grand Bay NERR monitoring site

EDAS METEOROLOGICAL DATA

two-hour deposition values converted to annual equivalent

one Hg emissions source

> 1000 ug/m2-yr
> 10 ug/m2-yr
> 0.1 ug/m2-yr
> 0.001 ug/m2-yr
Model-predicted mercury deposition (wet + dry) in the vicinity of one example Hg source for a 3 day period in April 2008.

Large, time-varying spatial gradients in deposition & source-receptor relationships.
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Large, time-varying spatial gradients in deposition & source-receptor relationships.
NOAA HYSPLIT MODEL

Deposition (/m2) at ground-level!
Integrated from 0600 13 Apr to 0800 13 Apr 08 (UTC)
RGM Release started at 0000 01 Apr 08 (UTC)

Model-predicted mercury deposition (wet + dry) in the vicinity of one example Hg source for a 3 day period in April 2008

Large, time-varying spatial gradients in deposition & source-receptor relationships

two-hour deposition values converted to annual equivalent

one Hg emissions source

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NOAA HYSPLIT MODEL
Deposition (/m2) at ground-level
Integrated from 1400 13 Apr to 1600 13 Apr 08 (UTC)
RGM Release started at 0000 01 Apr 08 (UTC)

> 1000 ug/m2-yr
> 10 ug/m2-yr
> 0.1 ug/m2-yr
> 0.001 ug/m2-yr

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two-hour deposition values converted to annual equivalent
NOAA HYSPLIT MODEL
Deposition (/m2) at ground-level
Integrated from 2000 13 Apr to 2200 13 Apr 08 (UTC)
RGM Release started at 0000 01 Apr 08 (UTC)

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Model-predicted mercury deposition (wet + dry) in the vicinity of one example Hg source for a 3 day period in April 2008.
NOAA HYSPLIT MODEL
Deposition (mg/m^2) at ground-level
Integrated from 0200 14 Apr to 0400 14 Apr 08 (UTC)
RGM Release started at 0000 01 Apr 08 (UTC)

Model-predicted mercury deposition (wet + dry) in the vicinity of one example Hg source for a 3 day period in April 2008

Large, time-varying spatial gradients in deposition & source-receptor relationships

EDAS METEOROLOGICAL DATA
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NOAA HYSPLIT MODEL

Deposition (/m²) at ground-level
Integrated from 0800 14 Apr to 1000 14 Apr 08 (UTC)
RGM Release started at 0000 01 Apr 08 (UTC)

Model-predicted mercury deposition (wet + dry) in the vicinity of one example Hg source for a 3-day period in April 2008

Large, time-varying spatial gradients in deposition & source-receptor relationships

two-hour deposition values converted to annual equivalent
NOAA HYSPLIT MODEL

Deposition (/m2) at ground-level
Integrated from 1000 14 Apr to 1200 14 Apr 08 (UTC)
RGM Release started at 0000 01 Apr 08 (UTC)

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two-hour deposition values converted to annual equivalent.
NOAA HYSPLIT MODEL

Deposition (/m²) at ground-level
Integrated from 0000 15 Apr to 0200 15 Apr 08 (UTC)
RGM Release started at 0000 01 Apr 08 (UTC)

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Deposition (/m2) at ground-level
Integrated from 0400 15 Apr to 0600 15 Apr 08 (UTC)
RGM Release started at 0000 01 Apr 08 (UTC)

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Integrated from 0800 15 Apr to 1000 15 Apr 08 (UTC)
RGM Release started at 0000 01 Apr 08 (UTC)

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RGM Release started at 0000 01 Apr 08 (UTC)

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Large, time-varying spatial gradients in deposition & source-receptor relationships.
one Hg emissions source

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Model-predicted mercury deposition (wet + dry) in the vicinity of one example Hg source for a 3-day period in April 2008.

Large, time-varying spatial gradients in deposition & source-receptor relationships.
NOAA HYSPLIT MODEL
Deposition (μg/m²) at ground-level
Integrated from 2200 15 Apr to 0000 16 Apr 08 (UTC)
RGM Release started at 0000 01 Apr 08 (UTC)

Model-predicted mercury deposition (wet + dry) in the vicinity of one example Hg source for a 3 day period in April 2008

Large, time-varying spatial gradients in deposition & source-receptor relationships

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NOAA HYSPLIT MODEL
Deposition (ug/m²) at ground-level
Integrated from 0200 16 Apr to 0400 16 Apr 08 (UTC)
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