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Persistent Jet Contrails

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Frequently Asked Questions

Q: Why are there more short-lived **contrails** than **persistent contrails**?

... Q:

Why can we see a **jet** high in the sky, yet it is not making a **contrail**? ...

others searched for:

<http://asd-www.larc.nasa.gov/GLOBE/faq.html>

Basic diagnosis and prediction of persistent contrail occurrence ...

occurrence or non-occurrence of **persistent contrails** from Schmidt-Appleman

atmospheric environments of **jet contrail** outbreaks for the United States. ...

others searched for:

http://www-pm.larc.nasa.gov/sass/pub/journals/Duda_Minnis.JAMC.1.09.pdf

Contrail Science

Persistent contrails can be further divided into two classes: those that spread

... to determine when a **jet** airplane would or would not produce a **contrail**. ...

others searched for:

<http://asd-www.larc.nasa.gov/GLOBE/science.html>

Pros and contrails

persistent contrails trap slightly more heat than they reflect back into space -

at night they ... next-generation **jet** engines are expected cruise at ...

others searched for:

http://www-pm.larc.nasa.gov/sass/contart_nature_081601.pdf

Appleman Chart - Student

Persistent contrails: Some **contrails** are short, and last for only a few seconds.

Other **contrails** are very long, and continue to grow long after the **jet** ...

others searched for:

http://asd-www.larc.nasa.gov/GLOBE/resources/activities/appleman_student.html

Contrails : a Double Sided Sword?

jet aircraft with the cold ambient air. (Like **contrails**, the cloud that forms on

your breath during a ... most interested in **persistent contrails** because ...

others searched for:

<http://www-pm.larc.nasa.gov/sass/pub/journals/Duda.Controller.09.pdf>

Observing Clouds and Contrails for GLOBE and NASA

Our estimates of the climatic effects of **persistent contrails** are still uncertain. ... Although we tend to associate **contrails** with **jet** aircraft, ...

others searched for:

http://asd-www.larc.nasa.gov/GLOBE/resources/presentations/ISTS_2004.ppt

An estimation of CONUS contrail frequency from RUC and flight ...

the mean fractional **persistent contrail** coverage from a condensation trails

NASA - Search Results

by **jet** aircraft. Bull. Amer. Meteor. Soc., 34, 14-20. ...
 others searched for:
<http://www-pm.larc.nasa.gov/sass/pub/conference/JP1.15.duda.arams.02.pdf>

MY NASA DATA SCIENCE PROJECT IDEAS

Dec 18, 2008 ... and weather watchers in areas where **persistent contrails** are common can ...
 Special **Contrail** Observations. Spreading **contrails** have much more ...
 and
 photograph **contrails** related to the **jet** traffic at the airport. ...
 others searched for:
<http://mynasadata.larc.nasa.gov/P4.html>

Basic diagnosis and prediction of persistent contrail occurrence ...

occurrence or non-occurrence of **persistent contrails** from this study as
 most of the CONUS is nearly continuously traveled by **jet** aircraft ...
 others searched for:
http://www-pm.larc.nasa.gov/sass/pub/journals/Duda_Minnis.I.JAMC.08.pdf



Persistent Jet Contrails

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