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#### 21. [CHAPTER 1](#)

...clouds, lenticulars, and **contrails**. (1) Orographic clouds develop...10. Lenticular. (3) **Contrails** are clouds that are made by...atmosphere by the exhaust of **jet** engines (Figure 1-11). **Contrails** evaporate rapidly in fair weather...

<https://atiam.train.army.mil/soldierPortal/atia/adlsc/view/public/6714-1/fm/3-97.61/ch1.pdf;jsessionid=FpwHJ0D7CSKgqBGJ1jvRrLFk6MvBScx6Cfbn7qGRQQPnqfT3dnlc!820449202>

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#### 22. [501-97 DRAFT](#)

...winds, sea and swell, vertical wind shear, **jet** stream, turbulence, freezing level, **contrail** level). Use abbreviations listed in instructions... ammonia, anhydrous (lb) IRFTNA (lb) **jet-A** (lb) aniline (lb) propane (lb) furfurai...

<https://wsmrc2vger.wsmr.army.mil/rcc/manuals/uds/501c.htm>

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#### 23. [501-97 DRAFT](#)

...winds, sea and swell, vertical wind shear, **jet** stream, turbulence, freezing level, **contrail** level). Use abbreviations listed in instructions... ammonia, anhydrous (lb) IRFTNA (lb) **jet-A** (lb) aniline (lb) propane (lb) furfurai...

<https://wsmrc2vger.wsmr.army.mil/rcc/manuals/uds/501chaps.doc>

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#### 24. [501CHAPS.PDF](#)

...winds, sea and swell, vertical wind shear, **jet** stream, turbulence, freezing level, **contrail** level). Use abbreviations listed in instructions...required: ammonia, anhydrous (lb) IRFTNA (lb) **jet-A** (lb) aniline (lb) propane (lb) furfurai...

<https://wsmrc2vger.wsmr.army.mil/RCC/files/501chaps.pdf>

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#### 25. [RESEARCH DIRECTED TOWARD THE EXPERIMENTAL INVESTIGATION OF METHODS OF ANALYZING](#)

...these techniques. Other aspects of **jet** exhausts were also investigated including **contrail** scattering and ionization effects...measurement of infrared radiation from a **jet** engine. Descriptors : \*AIR POLLUTION, \***JET** ENGINES, \*ULTRAVIOLET DETECTORS...

<http://stinet.dtic.mil/oai/oai?&verb=getRecord&metadataPrefix=html&identifier=AD0713222>

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#### 26. [HISTORY OF AIR FORCE WEATHER MODIFICATION](#)

...Trail Muddying; 60s and 70s **Contrail** Suppression; 70s Previous...southwest monsoon seasons. - **Contrail** Suppression; Fuel additives were...to reduce the IR signature of **contrails** from **jet** engines.

<http://www.dtc.army.mil/tts/1997/proceed/abarnes/tsld008.htm>

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#### 27. [Microsoft Word - Draft INRMP EA--May 2007.doc](#)

...concentration of dust in the air and cause a35 reduction in visibility. Aircraft can temporarily impair visibility due to **contrails** (**jet** trail caused36 by compaction of moisture in the air), but this is for only a very short time period and would not37...

<http://www.nellis.af.mil/shared/media/document/AFD-070507-030.pdf>

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#### 28. [HISTORY OF AIR FORCE WEATHER MODIFICATION](#)

...Thailand from 1967 to 1972 to create rain over parts of the Ho Chi Minh Trail during the rainy southwest monsoon seasons. - **Contrail** Suppression; Fuel additives were developed to reduce the IR signature of **contrails** from **jet** engines.

<http://www.dtc.army.mil/tts/1997/proceed/abarnes/sld008.htm>

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29. [Unknown](#)

...the abortive Helios project. Test equipment included cameras to photograph the formation, growth and decay of **contrails** created by **jet** aircraft; special gamma telescopes for cosmic radiation study; and, most important, a wide variety of aeromedical...

<http://www.history.navy.mil/download/space-11.PDF>

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30. [HISTORY SLIDES FOR 101ST AIRBORNE DIVISION](#)

...The intensity of the air war was evident to those living in the TAA. During the day one could see the **contrails** of the coalition's **jets** as they flew toward Iraq. At night one could see the flashes from the explosions of their ordnance...

[http://www.gulfink.osd.mil/declassdocs/army/19970403/970313\\_sep96\\_decls37\\_0040.html](http://www.gulfink.osd.mil/declassdocs/army/19970403/970313_sep96_decls37_0040.html)

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