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**Large Scale Obscuration
and
Related Climate Effects
Open Literature Bibliography**

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ABSTRACT

Large scale obscuration and related climate effects of nuclear detonations first became a matter of concern in connection with the so-called "Nuclear Winter Controversy" in the early 1980's. Since then, the world has changed. Nevertheless, concern remains about the atmospheric effects of nuclear detonations, but the source of concern has shifted. Now it focuses less on global, and more on regional effects and their resulting impacts on the performance of electro-optical and other defense-related systems. This bibliography reflects the modified interest.

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Preface

This bibliography was produced at the request of the Defense Nuclear Agency with the intent of providing a comprehensive list of publications in the **open literature** which pertain to large scale obscuration and related **climate effects**, focusing on those published since the "The Effects on the Atmosphere of a Major Nuclear Exchange" (National Research Council, 1985). The bibliography was produced by performing citation searches, keyword searches, and searches on names of authors known to be associated with this field. Efforts were made to identify and eliminate irrelevant references. We beg the user's indulgence for those inappropriate references which may have escaped our notice. Searches were performed on the following citations:

"The Effects on the Atmosphere of a Major Nuclear Exchange",
National Research Council, 1985.

"Nuclear winter: Global consequences of multiple nuclear
explosions", Science 222, p. 1283-1292, 1983.

"The atmosphere after a nuclear war: Twilight at noon",
Ambio 11, p.114-125, 1982.

Finally, it should be noted that much of the relevant work in this area is published in the classified and limited distribution, rather than the open literature. Only unclassified, unlimited distribution literature is included in the present bibliography.

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