
AE9/AP9/SPM

Radiation

Environment

Model

Release Notes

Version 1.20.003

Approved for public release; distribution is unlimited.

The AE9/AP9/SPM model was developed by the Air Force Research Laboratory in partnership with MIT Lincoln Laboratory, Aerospace Corporation, Atmospheric and Environmental Research, Incorporated, Los Alamos National Laboratory and Boston College Institute for Scientific Research.

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The AE9/AP9/SPM model and related information can be obtained from AFRL's Virtual Distributed Laboratory (VDL) website: <https://www.vdl.afrl.af.mil/programs/ae9ap9>

V1.00.002 release: 05 September 2012

V1.03.001 release: 26 September 2012

V1.04.001 release: 20 March 2013

V1.04.002 release: 20 June 2013

V1.05.001 release: 06 September 2013

V1.20.001 release: 31 July 2014

V1.20.002 release: 13 March 2015

V1.20.003 release: 15 April 2015

In a future release of AE9/AP9/SPM, the model will be renamed to be
“International Radiation Environment Near Earth” (IRENE).

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Highlights

Please refer to the ‘Ae9Ap9_v1_20_001_ReleaseNotes’ and ‘Ae9Ap9_v1_20_002_ReleaseNotes’ documents for a full description of the revisions and enhancements of the model since v1.05.001.

A problem with the specification of GSM coordinate systems was corrected.

A new “Known Issues” document was added to the distribution.

Software Changes

CmdLineAe9Ap9 application

- The recognition of the GSM coordinate system specification was corrected. Previously it had been improperly treated as the GEO coordinate system.

Documentation Changes

- The *AE9/AP9/SPM Radiation Environment Model: Known Issues and Limitations* document was added to the distribution.

Contact Information

Please send any questions, comments and/or bug reports to: ae9ap9@vdl.afrl.af.mil

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