



: The AE9/AP9 Next Generation Radiation Specification Models – Progress Report

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The AE9/AP9 model has now been released to the global satellite design community. Since the release of version 1.0, we have been focused on documenting the model so that it is suitable for consideration as an international standard. We are also working on incorporating new data sources, such as THEMIS, TACSAT-4, and NASA's Van Allen Probes. Finally, we are scoping out architectural improvements to enable improvements requested by industry: improved stitching between the plasma and radiation models, local time dependence in the plasma model, longitude dependence in the electron radiation model, and solar cycle variation in the low altitude protons. We provide a brief update on the status of the model, plans for the future, and progress on international agreements.