Communication System Radiation Effects
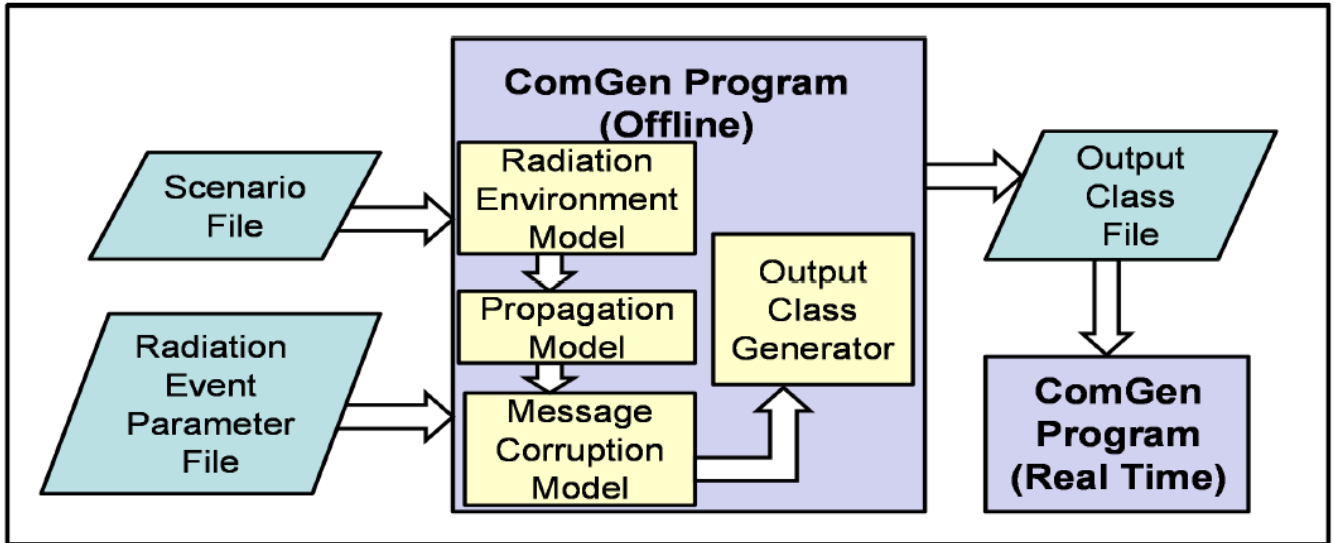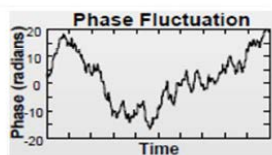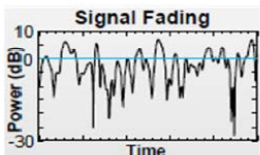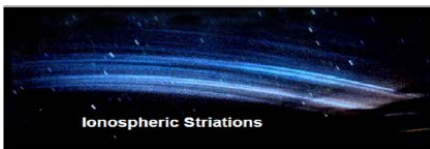

- **nLogic** brings expertise with natural and man-made radiation effects modeling. Our physics-based modeling tool includes radiation effects on communication systems. Includes capability for message received with errors, message delayed, and blackout conditions.

Ionospheric Striations

Communication Perturbations during Radiation Event

Capabilities:

- Off-Line Modeling
  - Includes Industry Standard Models (SCENARIO, COMLINK, …)
  - Inputs Flight Scenarios & Radiation Event Parameters
  - Outputs Files Describing Visible/Infrared Scenes
- Real-Time Modeling
  - Inputs & Outputs from Off-Line Component
  - Integrated with User-Supplied Real-Time Flight Simulation

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