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61. [Improved Models of the Inner and Outer Radiation Belts.](#)

...Abstract : In March 1991, after a very sudden commencement, the **CRRES** satellite observed the creation of a large flux of high energy...commencement. The model magnetic signature agrees well with the **CRRES** observations. The induction electric field calculated by the...

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62. [Proton Switches](#)

...omnidirectional proton sensors included in the payload of the **CRRES** mission. These sensors measured the proton fluxes in the energy...to 100 Mev. Proton detectors, Space radiation detectors, **CRRES** Payload. Descriptors : *RADIATION, *DETECTORS, *SWITCHES...

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63. [Convection Algorithms for for Magnetospheric Particles.](#)

...Gussenhoven titled 'Modelling of Convection Boundaries Seen by **CRRES** in 120 eV to 28 keV Particles.' This research is to be published...equatorial pitch angle. These algorithms are implemented in the **CRRES** survey software called SHOWLEPA.EXE which was used in support...

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64. [Convection Algorithms for Magnetospheric Particles](#)

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65. [The Extremely Low Frequency Wave Analyzer.](#)

...Studies of Ionospheric Irregularities) experiment aboard the **CRRES** (Chemical Release and Radiation Effects Satellite). This...electromagnetic waves in the ambient ionosphere and during the **CRRES** chemical releases. ELF analyzer, spacecraft instrumentation...

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66. [Survey of Ring Current Composition During Magnetic Storms](#)

...modified and intensified. We use data from the MICS instrument on **CRRES** to investigate composition changes in magnetospheric ions in...We conclude that, during the solar maximum interval that **CRRES** observed, substorms are not directly responsible for the ring...

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67. [Radiation Belt Analysis and Modeling.](#)

...and cosmic radiation, principally in connection with the **CRRES** mission. Statistical studies of solar particle events have...of solar proton fluxes observed at locations inside (using **CRRES** and GOES-7) and outside (using INP-8) the inner magnetosphere...

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68.

[Analysis and Interpretation of Ion Data Associated with Neutral Gas Releases in](#)

...from the Combined Release and Radiation Effects Satellite (**CRRES**) to study both natural and man made disturbances in the earth...Sr/Ba dark data. Processes potentially responsible for the **CRRES** data

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include charge stripping and critical velocity ionization...

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69. [CRRESELE Documentation.](#)

...measured by the High Energy Electron Fluxmeter (HEEF) flown on the Combined Release and Radiation Effects Satellite (**CRRES**). **CRRES** flew in a geosynchronous transfer orbit for 14 months during solar maximum. The electron models are omnidirectional...

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70. [Combined Release and Radiation Effects Satellite Time History Data Base.](#)

...generation of a Time History Data Base (THDB) for the Combined Release and Radiation Effects Satellite (**CRRES**) mission are described. The **CRRES** THDB consists of structured, time ordered files of spacecraft sensor data, calibration files, attitude...

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CRRES

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