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Monitoring the High-Energy Sky: the Fermi Experience

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For more than eight years, scientists using the two instruments on the Fermi Gamma-ray Space Telescope have gained significant experience with monitoring the high-energy Universe. The Gamma-ray Burst Monitor (GBM) and Large Area Telescope (LAT) have huge fields of view, and Fermi operates in a scanning mode, allowing the entire gamma-ray sky to be viewed about every three hours. Most of the Fermi results have involved multi-wavelength or multi-messenger cooperation. The keys to successful near-simultaneous multi-wavelength observations are rapid data processing and fast sharing of information. The Fermi mission is continuing, and new analysis approaches are designed to increase the availability of data products useful for cooperative work. Fermi scientists look forward to continuing opportunities to work with multi-wavelength and multi-messenger observers.

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