Bolide Detection Notification: 2008-205

At 14:45:25 UT on 23 July 2008, sensors aboard U. S. Government satellites recorded the flash signature of a large meteoroid entry into the atmosphere. Location of the flash was 38.6 N, 68.0 E.

Based upon the visible-light intensity-time signature, peak brightness of the flash was determined to be approximately 3.6E10 watts/steradian, and total radiated flash energy 1.87E11 joules (6000K blackbody model).

Intensity-time signature of the event and integrated intensity are depicted on the plots below. On the intensity-time plot, one count on vertical axis corresponds to 2.35E8 watts/steradian. On the integrated intensity plot, one count represents 2.96E9 joules radiated energy.