

Bolide Detection Notification: 2014-008

At 17:05:34 UT on 08 Jan 2014, sensors aboard U. S. Government satellites recorded the flash signature of a large meteoroid entry into the atmosphere. Location of the flash was Lat 1.2S, Lon 147.1E.

Based upon the visible-light intensity-time signature, peak brightness of the flash was determined to be approximately 2.1×10^{10} watts/steradian, and total radiated flash energy 3.1×10^{10} 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 2.35×10^8 watts/steradian. On the integrated intensity plot, one count represents 2.96×10^9 joules radiated energy.

