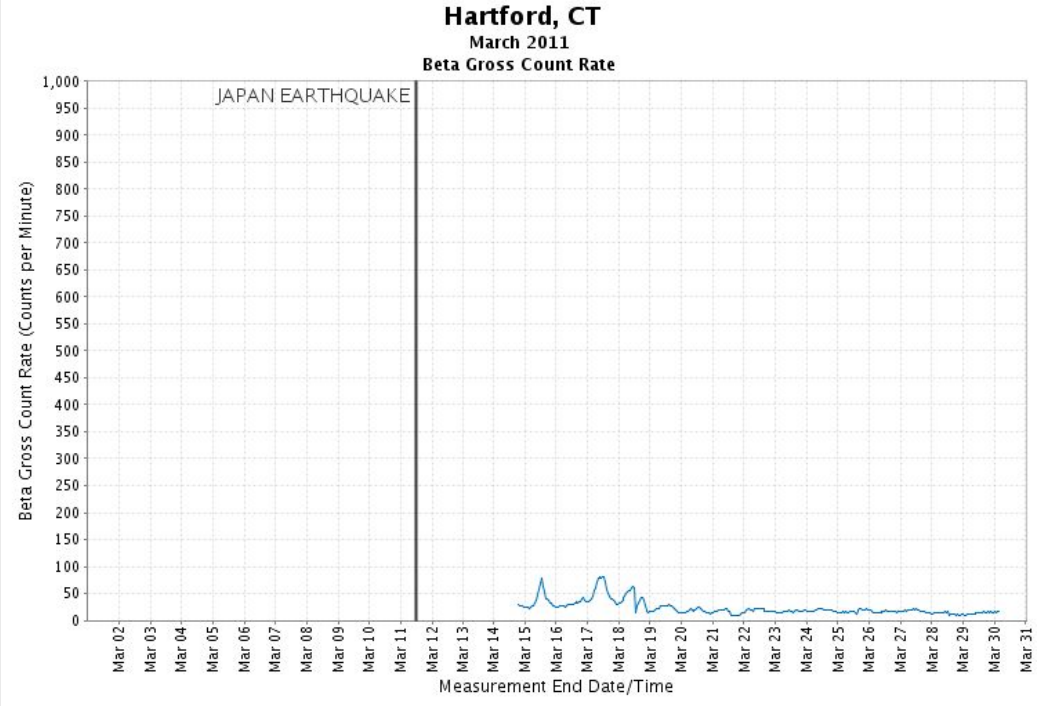
Japanese Nuclear Emergency: Radiation Monitoring
To-date, levels recorded at this monitor have been thousands of times below any conservative level of concern.



The beta gross count rate measures the radiation from all radionuclides that emit beta particles, which is indicated by the term *gross* or *total*. The term *count rate* tells us how quickly beta particles are being detected, which indicates how much radioactivity the monitor is seeing.

Notes on the Data

- Brief gaps in RadNet data represent instrument error.
- Larger gaps (>1 day) occasionally appear when RadNet monitors are taken offline for servicing.
- A notice is posted when monitors are off-line for servicing. A blank graph indicates that one part of a meter on the monitor is not working.
- Electrical interference can cause spikes, shown on graphs as one point significantly higher than the rest of the data.
- As you view data, be aware that there are often large differences in normal background radiation among the monitoring locations because background radiation levels depend on altitude and the amount of naturally occurring radioactive elements in the local soil. What is natural in one location is different from what is natural in another.

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The gamma data measures radiation from all radionuclides that emit gamma rays and splits them into ranges of energy. The word *gross*, or *total*, indicates that the measurement is from all gamma emitting radionuclides. Not all gamma rays have the same amount of energy. Breaking the data into discrete energy ranges helps scientists to determine which radionuclides may be present.

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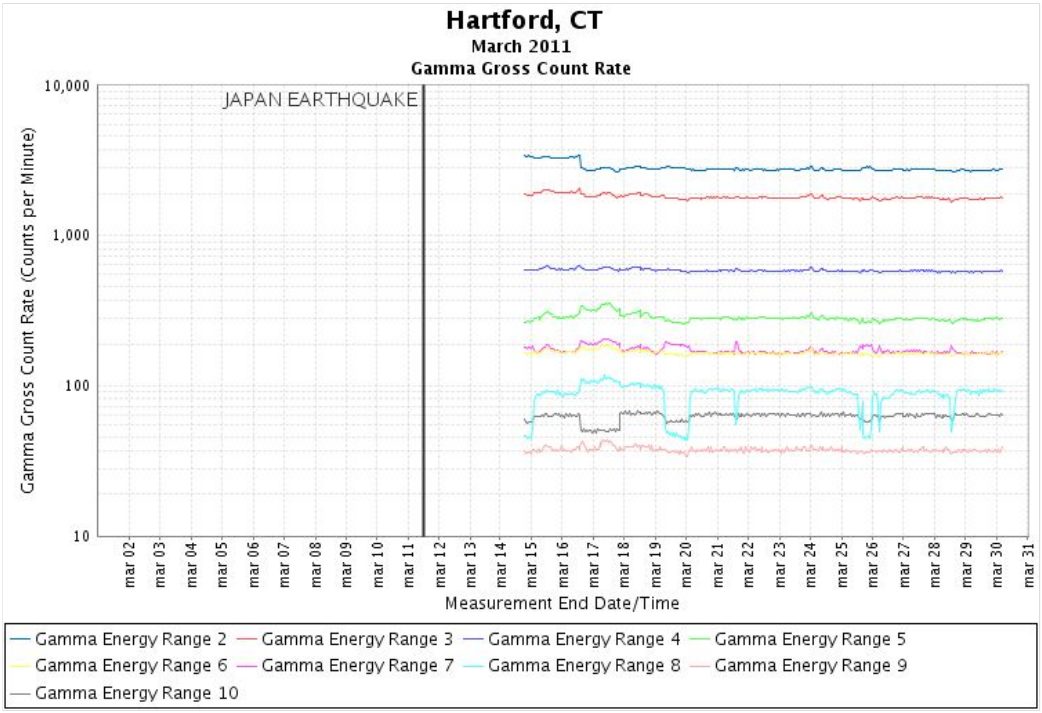
Hartford, CT
March 2011
Gamma Gross Count Rate
JAPAN EARTHQUAKE
Gamma Gross Count Rate (Counts per Minute)
10,000
1,000
100
10
mar 02
mar 03
mar 04
mar 05
mar 06
mar 07
mar 08
mar 09
mar 10
mar 11
mar 12
mar 13
mar 14
mar 15
mar 16
mar 17
mar 18
mar 19
mar 20
mar 21
mar 22
mar 23
mar 24
mar 25
mar 26
mar 27
mar 28
mar 29
mar 30
mar 31
Measurement End Date/Time
Gamma Energy Range 2
Gamma Energy Range 3
Gamma Energy Range 4
Gamma Energy Range 5
Gamma Energy Range 6
Gamma Energy Range 7
Gamma Energy Range 8
Gamma Energy Range 9
Gamma Energy Range 10