

## Lecture 24 - Monitoring Pinatubo Volcano

Thursday, December 8<sup>th</sup>, 2005

### Mount Pinatubo, Philippines, 1991

Video - In the Path of the Killer Volcano

- Hydrothermal steam vents - potential source of energy.
- Ash and steam eruptions - volcano clearing its throat.
- Very large plinian eruption
- Ash fall - ash circles the globe and influences the climate.
- Pyroclastic flows
- Mud flows (lahars) - still going on today because of heavy rainfalls and thick unconsolidated ash
- The video clearly illustrates the dilemma facing volcanologists when monitoring a volcano and trying to predict what will happen.
- In this case the work was successful and thousands of lives were saved by timely evacuation.