VOLCANOLOGICAL MAP OF THE 1961-2009 ERUPTION OF PACAYA VOLCANO, GUATEMALA

Geologic units

- **Pahoehoe and Aa lava flows**
- **Pyroclastic flows**
- **Spatter and scoria**
- **Undivided deposits**
- **Active crater**
- **Aeolian deposits**
- **Alluvium**

**Sources of information:**
- Elevation contours: Labeled contours interval 100 m. Intermediate contour interval 20 m. Elevation values in meters above sea level.
- towns in the map area were digitized from the 2005-2006 aerial orthophotos set.
- and the shaded relief image were generated from elevation data published by Japanese International Cooperation Agency and IGN (JICA et al 2003), generated by photogrammetric methods of aerial photography acquired in 2000. The main roads and
- Network were used to delineate, identify and date some units emplaced between 1975 and 2009. Information from the Informes Vulcanológicos Diarios of the Observatorio Vulcanológico Pacaya (OVPAC) from the Instituto Nacional de Sismología,
- Compiled from high resolution (0.5 m pixel) color aerial orthophotos 2052-II-18, 2052-II-19, 2052-II-23 and 2052-II-24, ... November 2005 and April 2006 by the Instituto Geográfico Nacional de Guatemala (IGN), high resolution (2.5 m pixel)
- GVP-4 (http://www.volcano.si.edu/reports/).
- Mackenney cone
- Jul, 18, 1975 to Sept. 10, 1975. Lava flows from a vent called “La Peña del Coyote”
- Strombolian activity in the summit crater
- Nov. 2, 1980. Lava flows from a lateral vent in upper S flank associated with moderate-strong
- eruption of the summit crater of the Mackenney cone
- Apr. 4, 2006 to Apr. 7, 2006. Lava flow from a lateral vent but associated with explosive
- eruption of the summit crater of the Mackenney cone
- Jan. 24, 2009 to Jan. 30, 2009. Lava flow from a vent at base of the SW flank of the
- Mackenney cone
- Oct. 10, 1996 to Oct. 12, 1996. Lava flow from an eruption from the summit crater of
- Mackenney cone
- Jan. 25, 1987. Lava flow from an eruption of the summit crater of
- Mackenney cone
- rim of the central crater on June 9, 1995.
- Has00) and Feb. 29, 2000 (Has00a)
- from Strombolian eruptions on Feb. 29,
- flow and ashfall deposits for proximal
- References: