



GEORAMAN 2004 BIG ISLAND FIELD TRIP (June 12, 2004)

On this trip will spend a day looking at Kilauea volcano including (as long as current activity continues) active lava flows! It will be a long day but hopefully an enjoyable and educational one as well. This message is to let you know what our schedule will be, what conditions to expect, and what equipment and supplies we will require you to bring.

It will be a one-day trip, starting in Honolulu (HNL), flying to Hilo (ITO), exploring Kilauea, and then flying back from Hilo to Honolulu. Here are our flights:

June 12	Aloha Airlines flight # 40	Leaves HNL 5:20 am	Arrives ITO 6:10 am
June 12	Aloha Airlines flight # 49	Leaves ITO 7:40 pm	Arrives HNL 8:26 pm

Please note that our first flight is very early in the morning! You must be at the airport to check in at 4:30 am (the airport doesn't open any earlier than that). You are responsible for arranging transportation to Honolulu airport in the morning and back to your hotel in the evening. Note that early in the morning it will probably take 25-30 minutes by taxi from Waikiki to the airport.

Here is our schedule once we land in Hilo. The times are only approximate:

6:30 am	Pick up rental vans.
6:45 am	Pick up breakfast and lunch.
7-8 am	Drive to Kilauea summit and then down to where the active lava flows are.
8 am-12 pm	Hike to active flows (currently 3-4 km total) in hot conditions.
12-1 pm	Eat lunch
1-5:30 pm	Explore Kilauea East Rift zone and summit area (one or two short hikes)
5:30 pm	Head to airport, return vans, check in for flight back to Honolulu

Here are some of the things that you will need to bring:

The hike to the active lava flows will be on young, fresh lava where there is no trail. The footing will be uneven and you will need to have strong shoes; boots will be the best. The surface is also very rough and for this reason we require that you wear long pants and gloves just in case you slip. The flows are down near the coast and if it is a sunny day it will be quite hot (from the sun, not the lava). You must have sun protection and sufficient water (2 liters minimum). Of

course it might rain so you should have a rain jacket also. Please note that these things are required, not optional.

The things you *must* bring are

- boots (better if they are not brand new)
- gloves (these will protect your hands if you stumble; lightweight cotton gloves are OK)
- long pants (these will protect your knees and legs if you stumble)
- at least 2 liters of water (you can purchase bottled water in Hilo)
- rain jacket
- sun protection (hat, sunscreen, etc)
- backpack to carry all this stuff

The things you may *want* are:

- camera and film
- binoculars

We will spend almost the entire day in Hawai'i Volcanoes National Park. Collecting samples in the national park is not allowed without a permit, so please leave your rock hammers at home.

If you want to keep track of the current eruption, the Hawaiian Volcano Observatory maintains a very informative web site. Scientist-in-charge Don Swanson makes observations early every morning and posts them at: [*http://hvo.wr.usgs.gov/kilauea/update/main.html*](http://hvo.wr.usgs.gov/kilauea/update/main.html)

There is an introduction to the features of Hawaiian volcanoes on the VolcanoWorld web site at: [*http://www.volcanoworld.org/vwdocs/hawaii_review/VREV3.html*](http://www.volcanoworld.org/vwdocs/hawaii_review/VREV3.html)

If you are interested in volcanic hazards, there is information at:
[*http://hvo.wr.usgs.gov/hazards/*](http://hvo.wr.usgs.gov/hazards/)

And if you are interested in Hawai'i Volcanoes National Park, their web site is:
[*http://www.nps.gov/havo/index.htm*](http://www.nps.gov/havo/index.htm)

Of course all our planning assumes there will actually be accessible active flows! But even if there aren't any, there will be very many good volcanic features that we will explore.