

# How to Use **Google Maps and Earth** on Your PC/Laptop/Netbook

Version 1.3

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# About Google Maps and Google Latitude

**Google Maps** is available for your mobile phone and PC, never carry a paper map again. Google Maps on your phone makes it easy to:

- Determine your current location with or without GPS
- Get driving and transit directions
- Get phone numbers and addresses for local businesses

**What is Google Latitude?** A location finding and displaying software for your mobile device and PC that allows you to view your friends' location and share your location with others...your choice.

- See where your friends are and what they are up to
- Quickly contact them with SMS, IM, or a phone call
- Control your location and who gets to see it

## **Note:**

- Certain features, including My Location (beta) and Google Latitude, may not be supported on some devices.
- Google Maps for mobile doesn't work with BREW-enabled devices, including certain Verizon phones.
- Some mobile services providers may restrict data usage by applications. We recommend contacting your mobile provider to confirm the details of your data plan.

# Google Maps and Google Latitude Features

# About Google Maps and Google Latitude

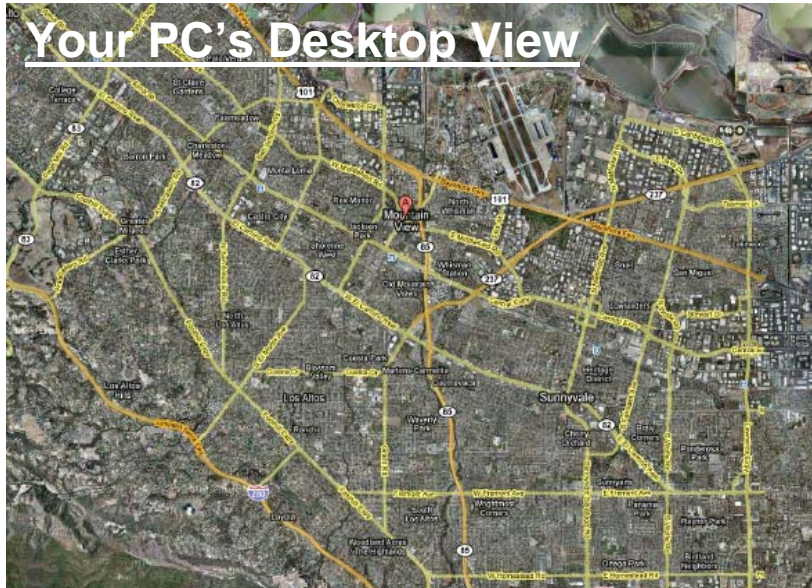
## Overview: Desktop Maps

- A. Google Maps for your PC (Desktop/Laptop/Netbook) provides draggable maps, driving directions, local business listings and satellite imagery.
- B. Google Maps is already available on your PC's (Desktop/Laptop/Netbook) browser, go to: <http://maps.google.com/>

# Google Maps – Your PC’s Desktop View

The screenshot displays the Google Maps desktop interface. At the top, there is a Windows taskbar with various application icons. Below it is the Google search bar with the text "mountain view, ca" and a "Search Maps" button. The main map area shows a satellite view of Mountain View, California, with major roads like Highway 101 and Highway 82 clearly visible. The map includes navigation controls on the left and a toolbar at the top right with options for Traffic, Map, Satellite, and Terrain. On the left sidebar, there are sections for "Mountain View, CA", "Photos", "Places" (listing NASA Ames Research Center and Computer History Museum), "User-Created Maps", and "Top Contributors". At the bottom left, there is a "Sponsored Links" section for "Mountain View Homes".

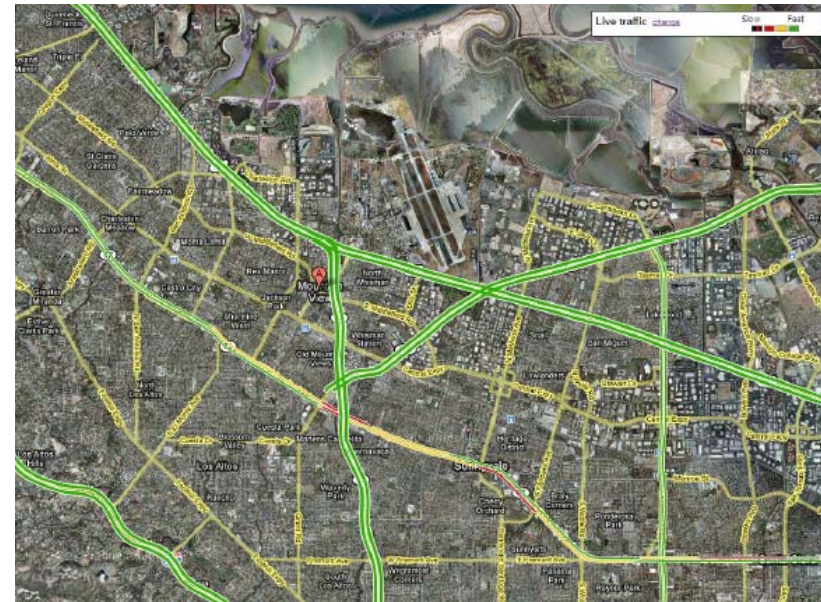
# About Google Maps and Google Latitude



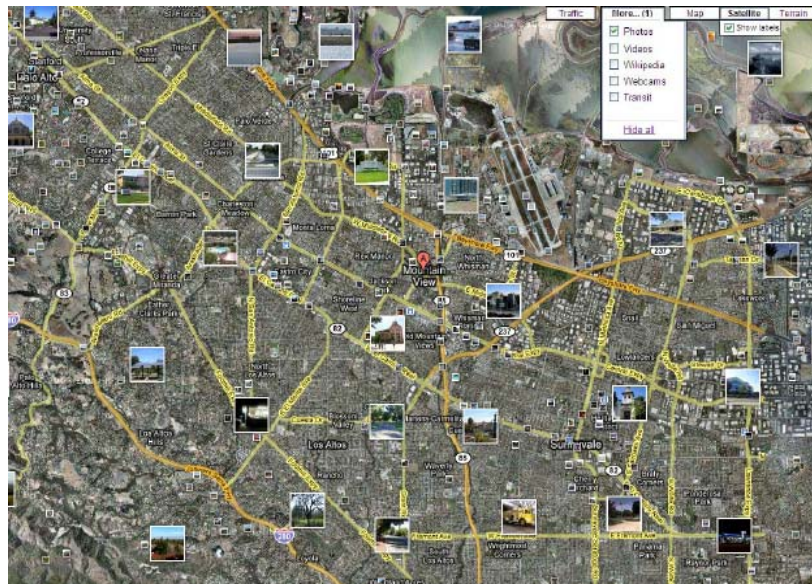
← • Picture of Google Maps using **Satellite View**

• Same picture using **Satellite View** with **Traffic feature** enabled

- Green – flowing traffic
- Yellow – slowing traffic
- Red and Black – very slow/stopped traffic



← • Same picture using **Satellite View** with **Picture feature** enabled. The pictures are of POI, restaurants, etc.

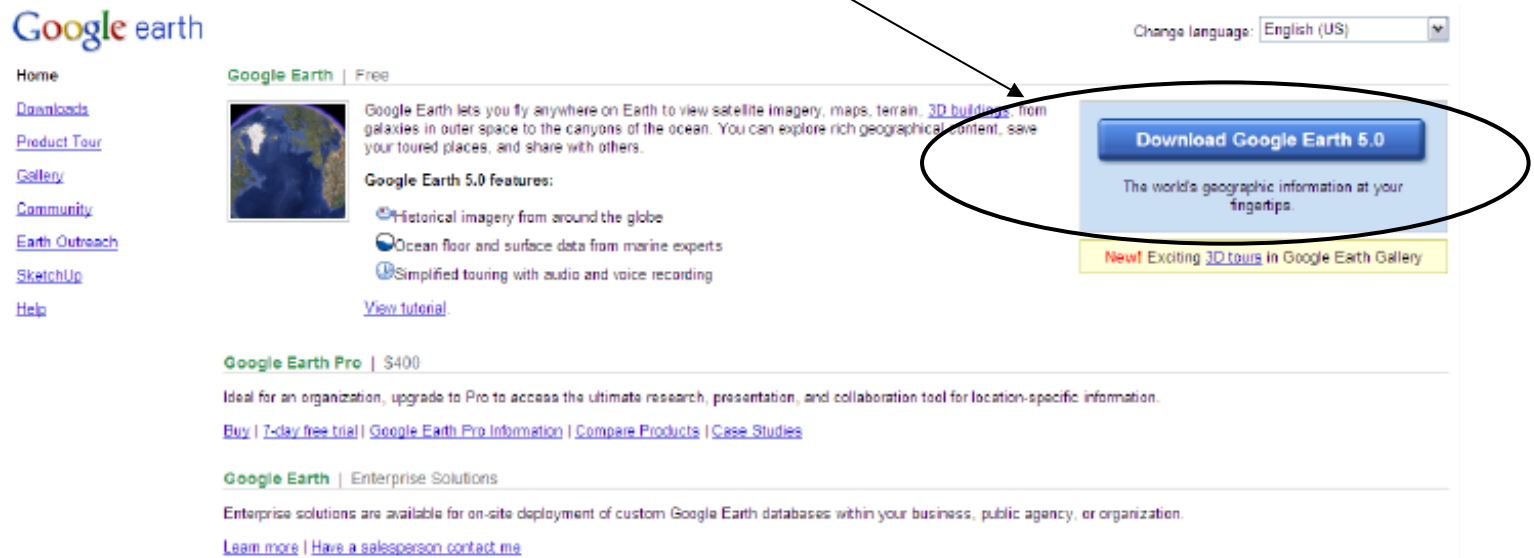


# About **Google Earth** and its Features



# About Google Earth

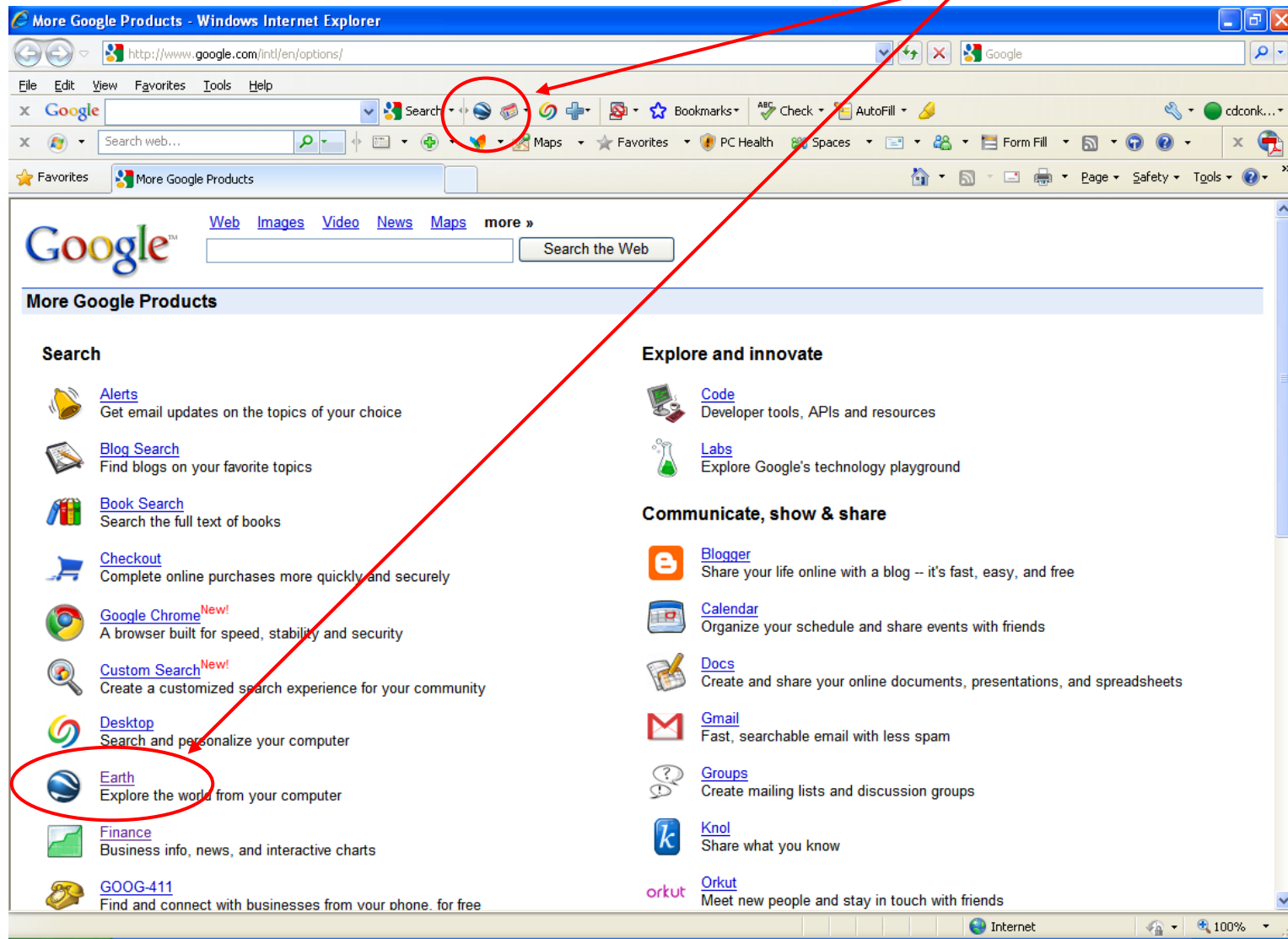
- Google Earth View is a dynamic view of just about any location on earth. The software features allow the user to zoom in on an address or scroll around the world and discover other parts of earth they may have not previously seen...it's an **education!**
- To use Google Earth, the software must be installed on your PC
  - To download, open your browser and go to <http://earth.google.com/>
- Click on [Download Google Earth 5.0](#) to install



The screenshot shows the Google Earth website homepage. The Google Earth logo is at the top left. A navigation menu on the left includes links for Home, Downloads, Product Tour, Gallery, Community, Earth Outreach, SketchUp, and Help. The main content area features a globe icon and text describing Google Earth's capabilities, such as viewing satellite imagery, maps, terrain, and 3D buildings. A list of features for Google Earth 5.0 is provided, including historical imagery, ocean floor data, and simplified touring. A prominent blue button labeled "Download Google Earth 5.0" is circled in black, with an arrow pointing to it from the text in the slide above. Below the button is a yellow banner for "New! Exciting 3D tours in Google Earth Gallery". The bottom of the page includes information about Google Earth Pro and Enterprise Solutions.

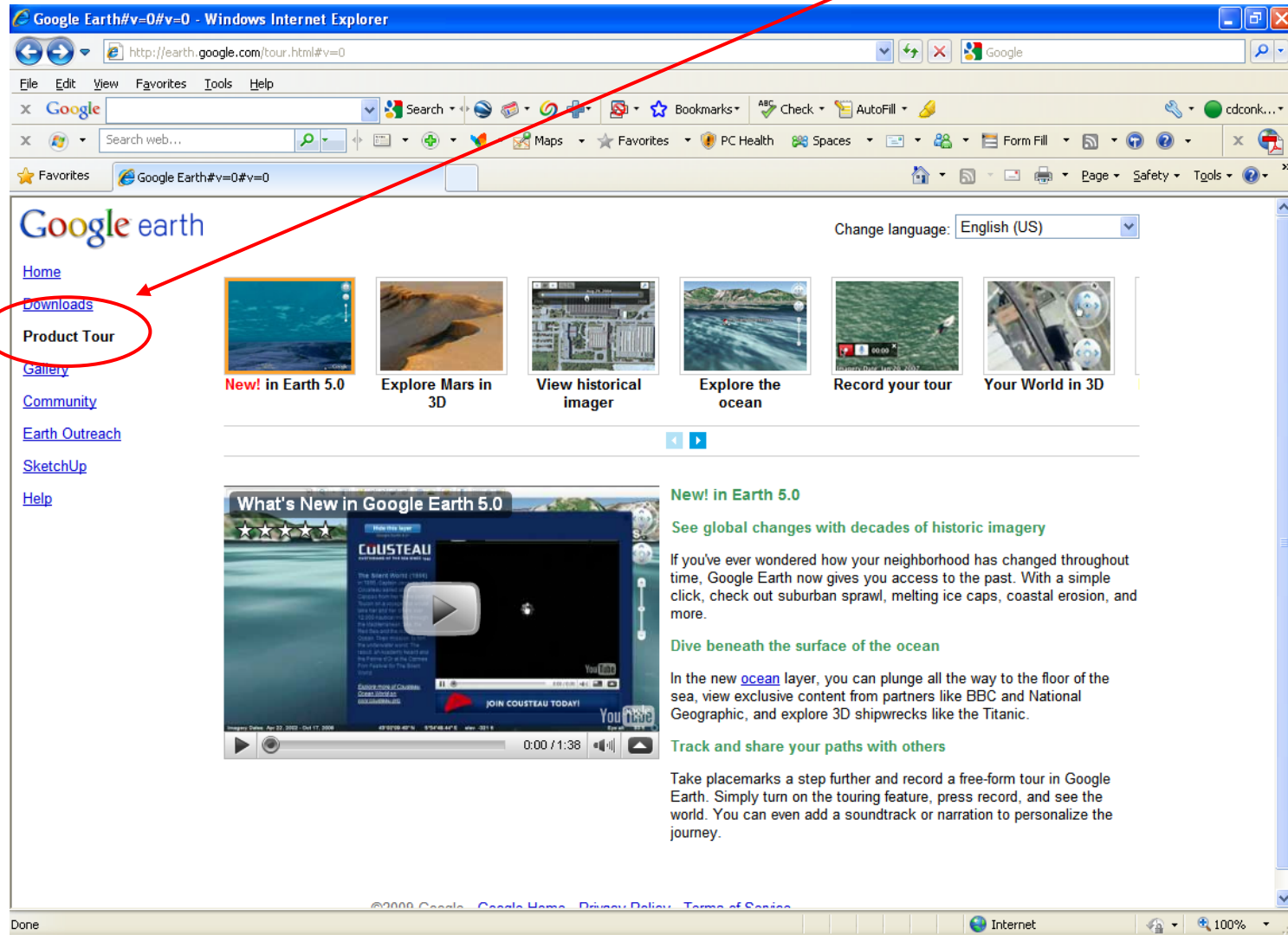
# Locating Google Earth on Your Browser

- Google Earth can be opened by clicking on this icon



# About Google Earth and its Product Tour

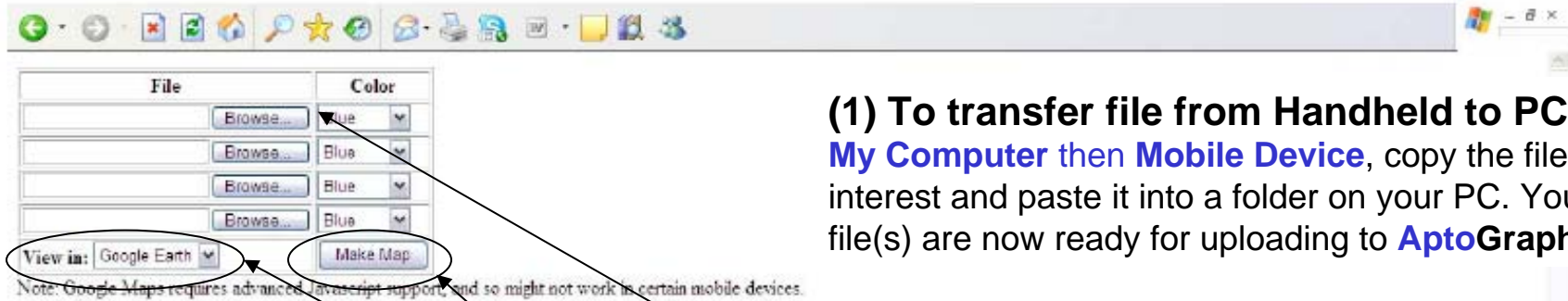
- Google Earth can be explored by taking a Product Tour



The screenshot shows the Google Earth website interface in a Windows Internet Explorer browser window. The address bar displays the URL <http://earth.google.com/tour.html#v=0>. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar contains various icons for navigation and utility. The main content area features the Google Earth logo at the top left, a language selection dropdown set to English (US), and a navigation sidebar on the left. The sidebar contains links for Home, Downloads, Product Tour, Gallery, Community, Earth Outreach, SketchUp, and Help. The 'Product Tour' link is circled in red, with a red arrow pointing to it from the text above. The main content area displays a grid of six featured tours: 'New! in Earth 5.0', 'Explore Mars in 3D', 'View historical imager', 'Explore the ocean', 'Record your tour', and 'Your World in 3D'. Below this grid is a video player titled 'What's New in Google Earth 5.0' with a play button and a video player interface. To the right of the video player, there are three sections of text: 'New! in Earth 5.0' with a sub-heading 'See global changes with decades of historic imagery', 'Dive beneath the surface of the ocean', and 'Track and share your paths with others'. The footer of the page includes the copyright notice '©2008 Google' and links for 'Google Home', 'Privacy Policy', and 'Terms of Service'.

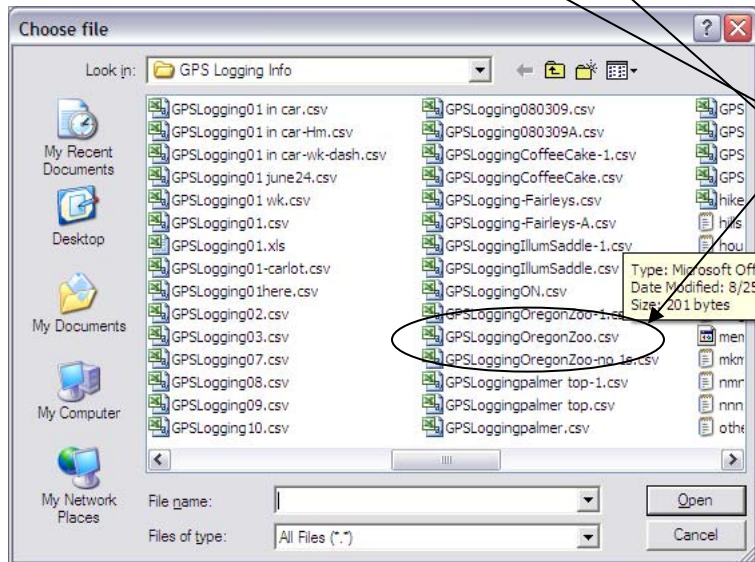
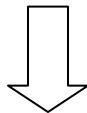
# Using **Google Earth** in a GPS Drawing/Plotting Application when used with **AptoGraph**

# Collecting and Displaying Data



(1) To transfer file from Handheld to PC, go to **My Computer** then **Mobile Device**, copy the file of interest and paste it into a folder on your PC. Your file(s) are now ready for uploading to **AptoGraph**.

(screen opens up)



(2) How to upload up to four files:

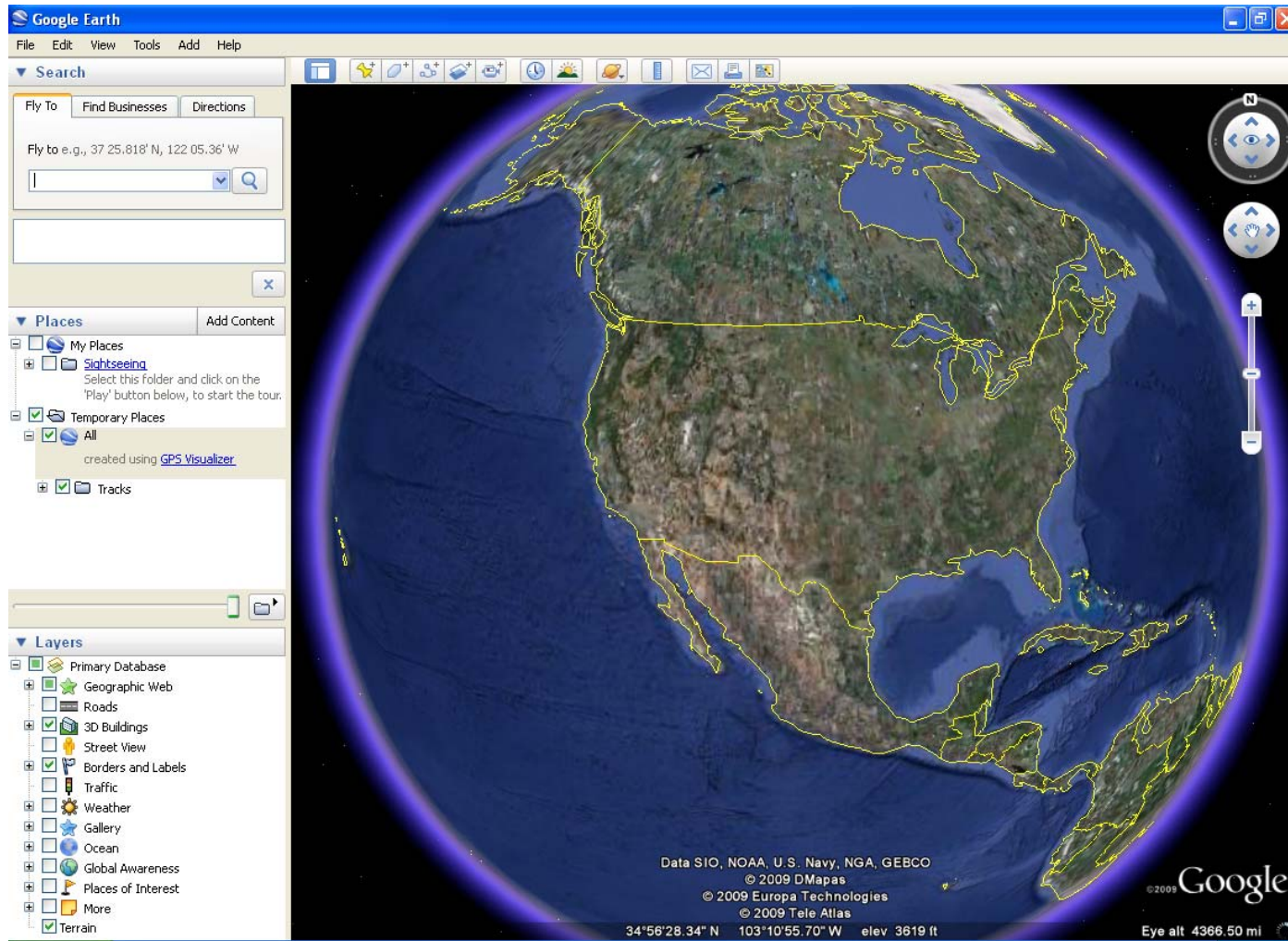
- Click on **Browse**
- Select one (and up to four) .TXT or .CSV files from a folder from your PC or laptop, tap on **Open**
- Select the **Color** type for the plotted data
- Select **Google Earth** or **Google Maps** output
- Tap on **Make Map**

# Using Google Earth to View GPS Data

- Google Maps will create an output for the user to view
  - A KMZ file (for viewing in Google Earth view) is also created
    - This file can be viewed using Google Earth as an output
  - Click on Open to view the output in Google Earth

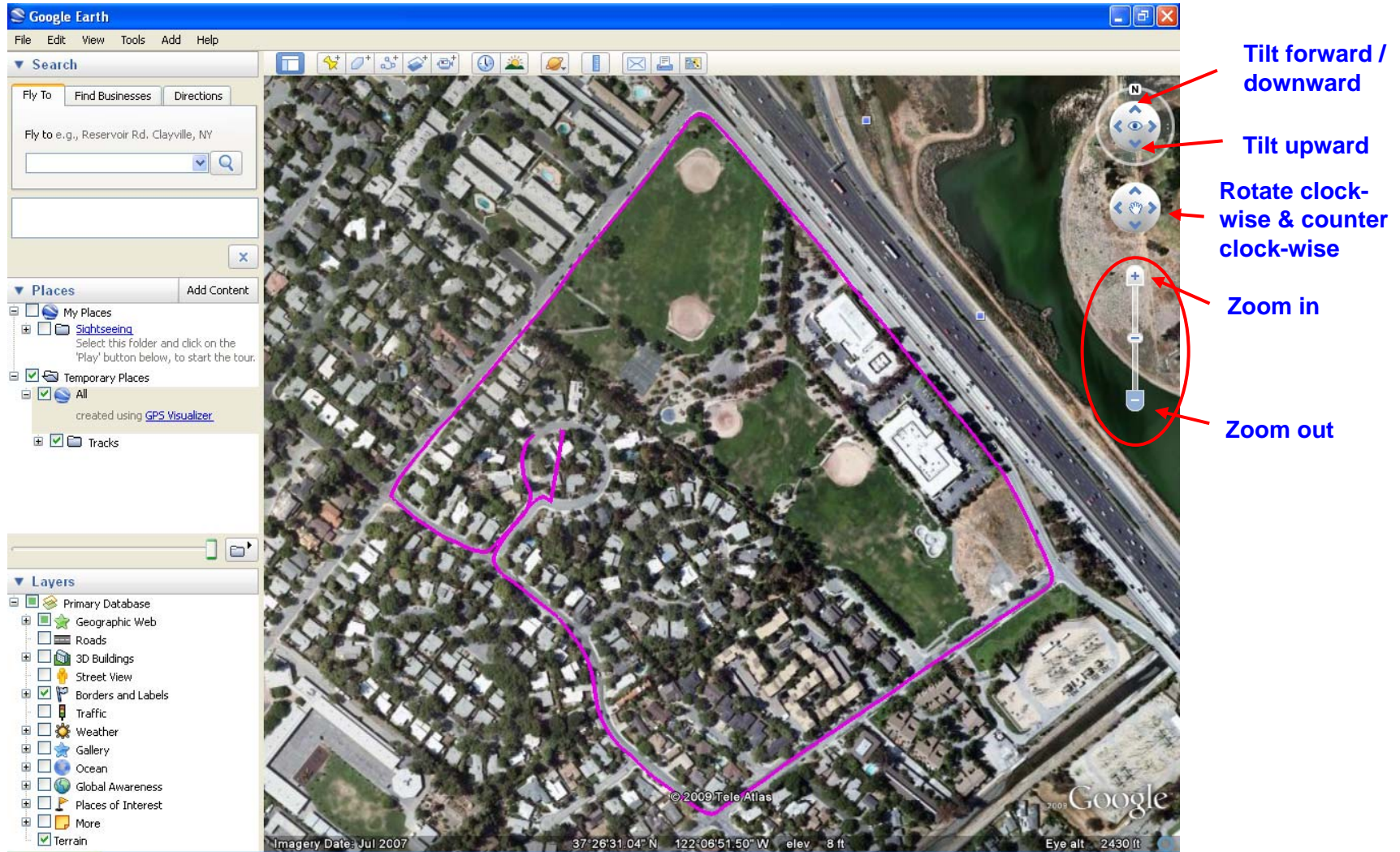
# Using Google Earth to View GPS Data

- The user is prompted to **Open** or **Save** or **Cancel** ... click on **Open**
- Google Earth will then open, start rotating and display the graphed data



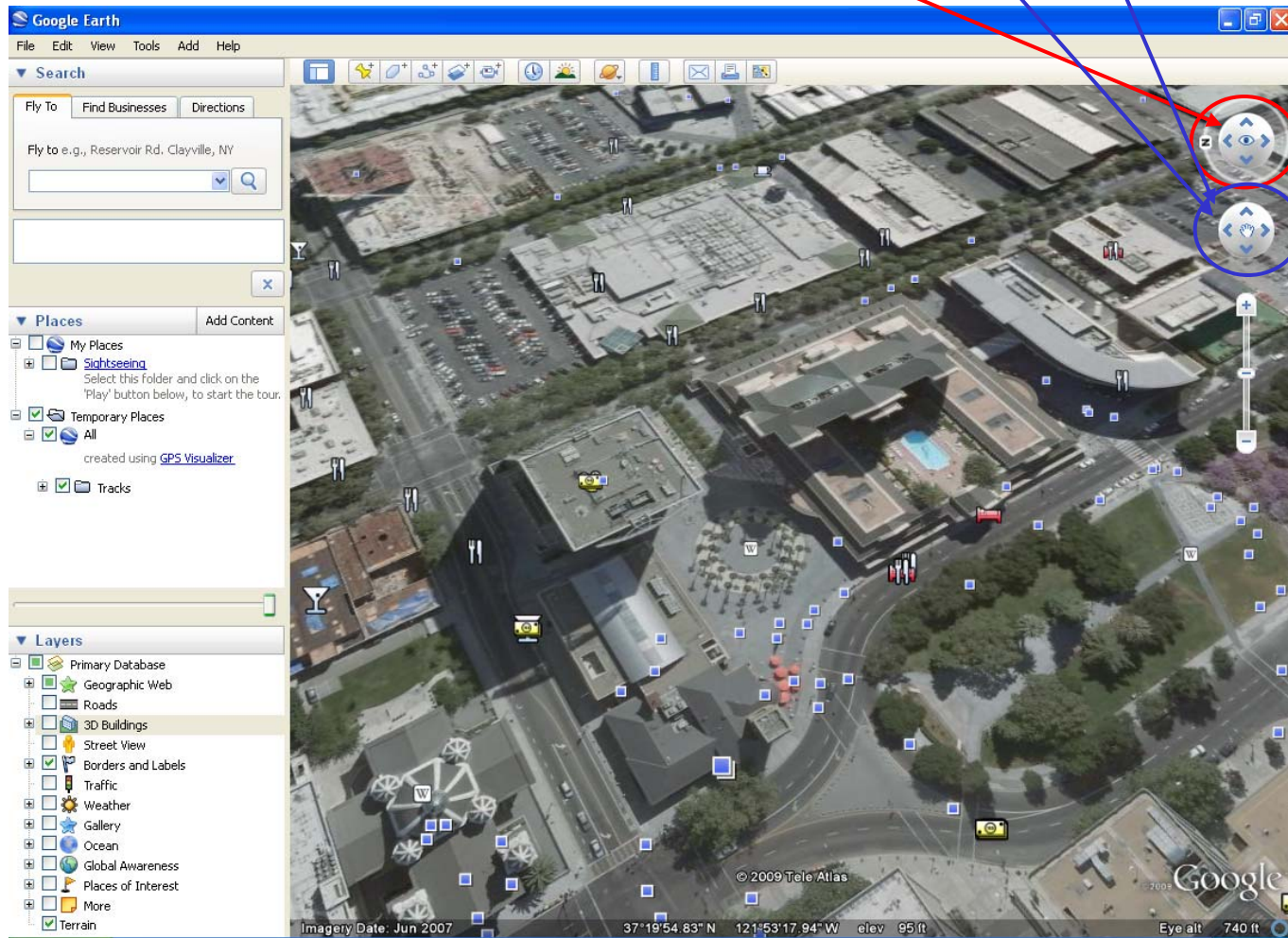
# Using Google Earth to View GPS Data

- The graphed GPS data is plotted
- The user can use the **zoom in** and **zoom out** feature for a closer view



# Google Earth – View of City in 2D

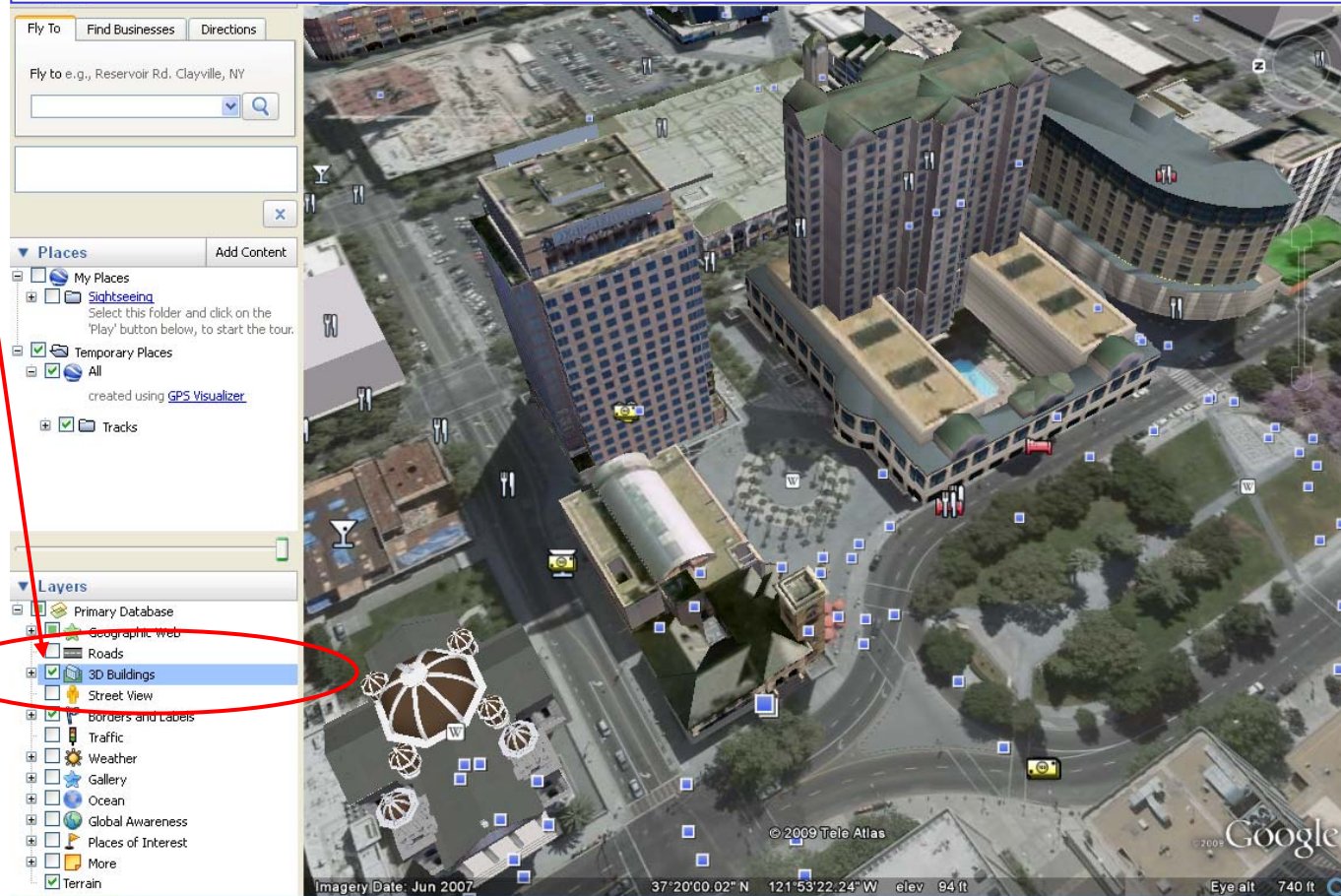
- Google Earth can zoom to almost any location/city the user wants to view
  - This feature rotates image 360 degs
  - This features adjusts the image by moving it up/down, left/right on screen



# Google Earth – View of City in 3D

- Google Earth provides a 3D view of some cities
- Click on 3D to enable this feature

This is the same image from slide 29, now with 3D enabled



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**Thank You!**