

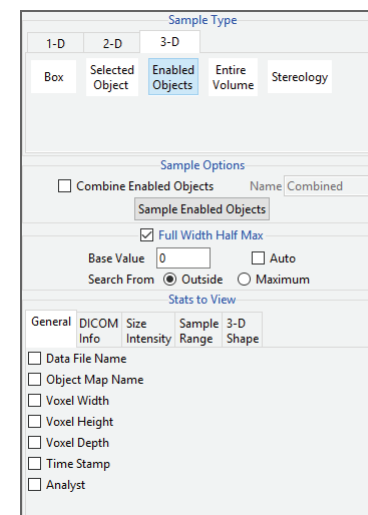


Enabled Object

The Enabled Object option allows users to sample all enabled objects (objects currently displayed) in the volume. An object map must be loaded for this sampling option to be available.

Sample Options: Provides users the following sampling controls:

- **Combine Objects:** Allows users to sum the measurements of the individually sampled objects.
 - **Name:** Allows users to specify a name for the combined object measurements when reported to the stats log.
- **Sample Enabled Objects:** Initiates the sampling process.



Stats to View: The stats to view area allows users to enable and disable measurements and information reported to the stats log.

- **General:** Allows users to report general image data parameters in the stats log file (see General under Sample Point(s) > Stats to View.)
- **DICOM Info:** Allows users to report DICOM tag information (see DICOM Info under Sample Point(s) > Stats to View.)
- **Size Intensity:** Reports an array of size intensity information and measurements (see Size Intensity description for Sample 2-D Rectangle.)
- **Sample Range:** Samples voxels within a defined region based on a min/max intensity range (see Sample 2-D Rectangle > Sample Range.)
- **3-D Shape:** Allow users to sample different 3-D shape-based measurement, see the 3-D Shape description under 3-D > Box for details on each of the 3-D shape measurements available.

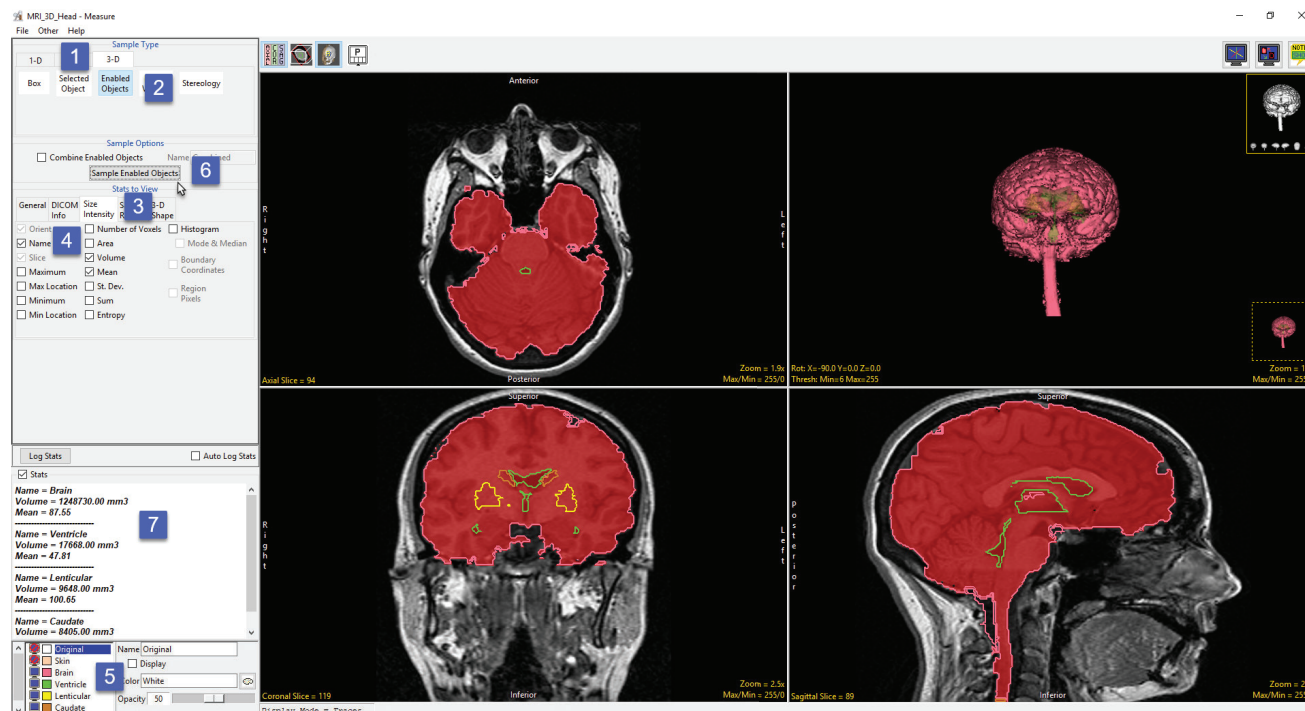


Making Measurements using Enabled Object

Sampling Enabled Objects

Download the MRI_3D_Head.avw data set from analyzedirect.com/data to follow along.

- Open Input/Output and load MRI_3D_Head.avw into Analyze. Select MRI_3D_Head and open Measure.
- Select File > Load Object Map and load the MRI_3D_Head.obj.
- Select the 3D Sample Type [1] and choose Enabled Object [2].
- Select Size Intensity [3] and make sure that Name, Volume, and Mean are checked. Uncheck Area [4].
- Switch the display of the Skin object off [5] by clicking on the monitor icon next to the object in the object list.
- Switching the display of an object off disables the object so it won't be sampled. Switch on the Lenticular and Caudate objects.
- Click Sample Enabled Objects [6]. The selected measurements for the enabled objects will be reported to the stats review area [7].

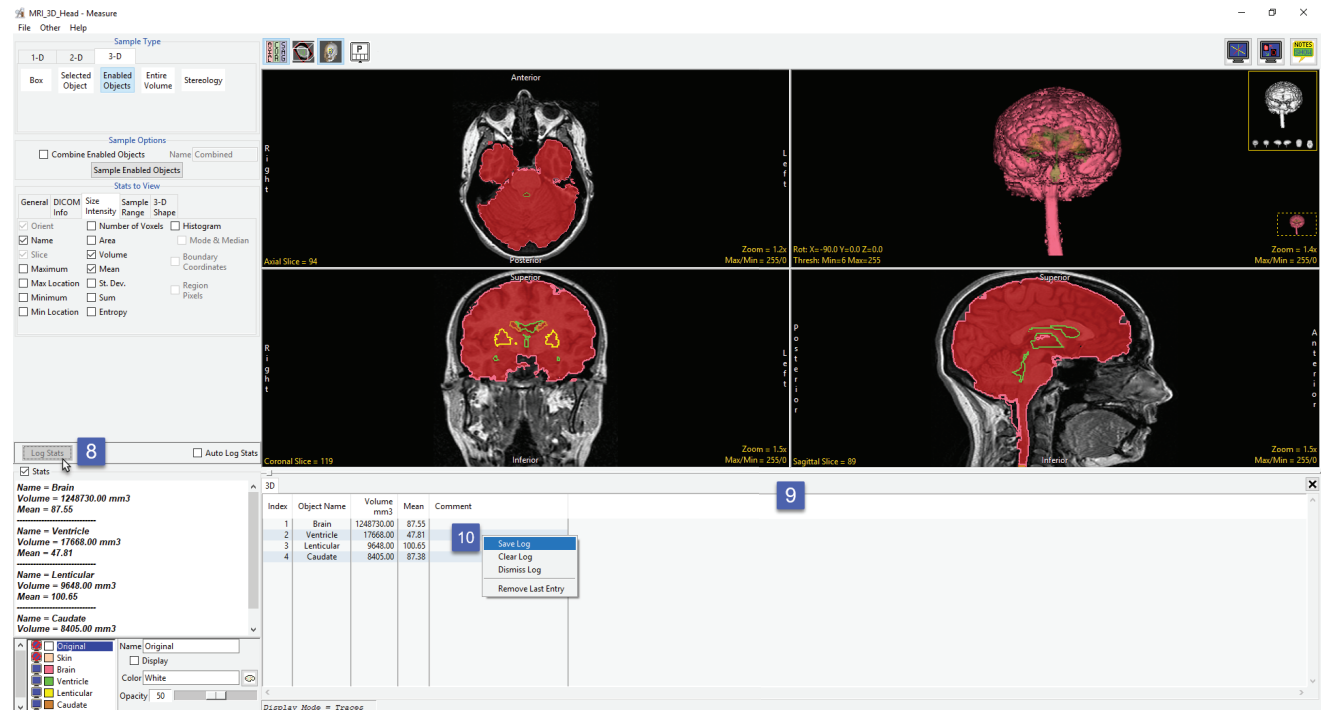




Making Measurements using Enabled Object (continued)

Sampling Enabled Objects (continued)

- To report the selected measurements to a log file that can be saved from Measure, click the Log Stats button [8]. When clicked the button will become grayed out.
- The selected measurements for the enabled objects will be reported to a file below the image display area [9].
- To save the measurements log file, right-click in this area and select Save Log [10]. The log file will be saved as a .CSV file.

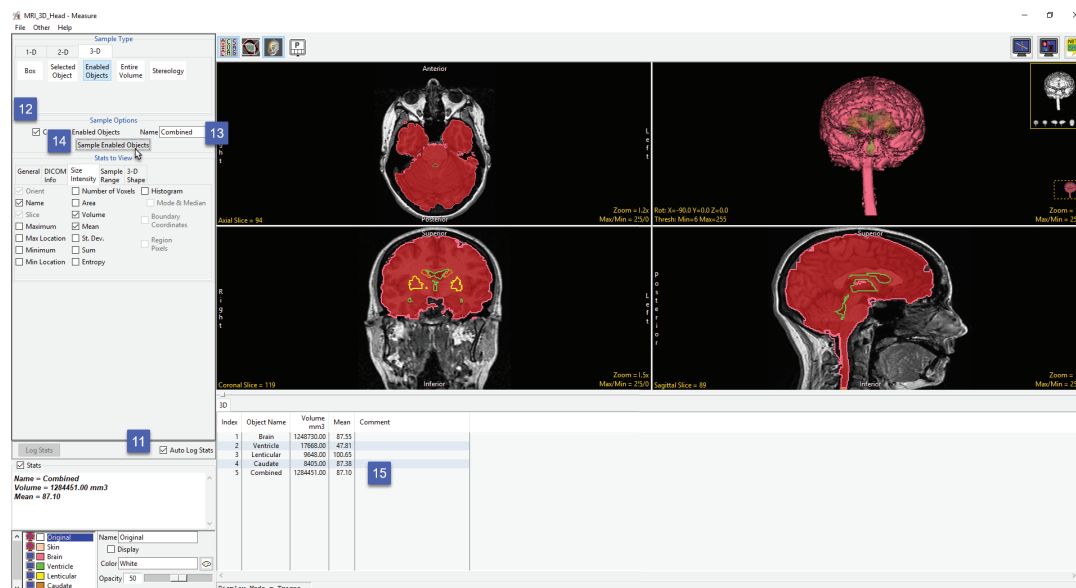




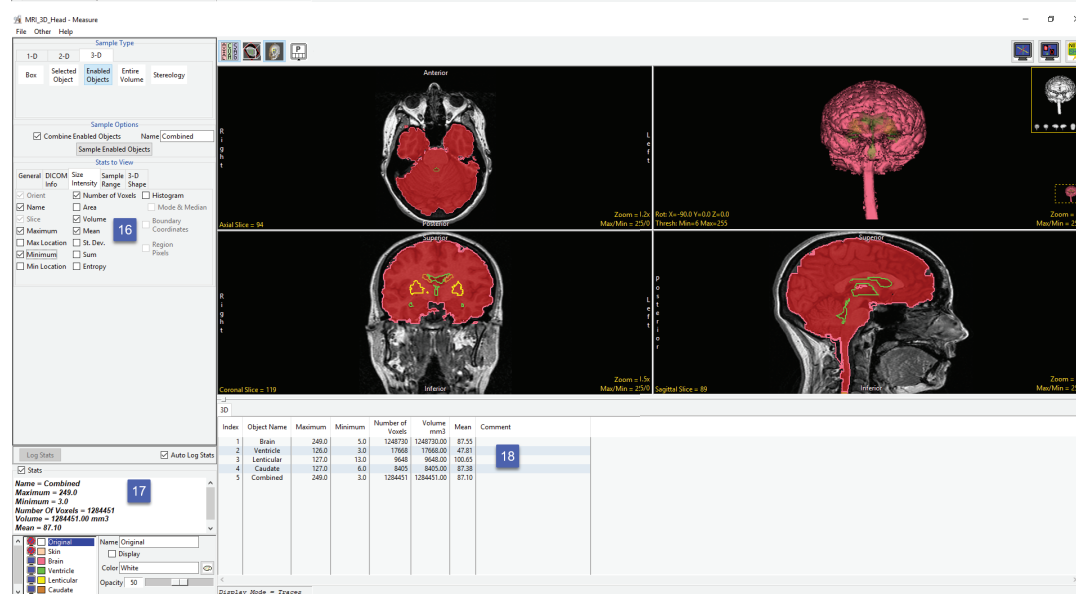
Making Measurements using Enabled Object (continued)

Using Enabled Objects to make Combined Measurements

- Check the Auto Log Stats checkbox [11].
- Next, check the Combine Enabled Objects checkbox [12].
- Name the combined result or leave the default name as Combined [13].
- Click Sample Enabled Objects [14].
- The combined measurements will be reported in the stats review area [15] and added to the log file.



- Checking additional measurement options [16] will automatically update in the stats review area with the selected measurement for the combined object [17].
- The measurements for the individual and combined objects will automatically update in the log [18].





Making Measurements using Enabled Object (continued)

Using Enabled Object to Generate a Combined Object Histogram

- Check the Histogram check box [18] and select Sample Enabled Objects [19].
- The histogram measurements will be reported [20] and the histogram plotted [21] in a new tab.

