

```
function expmt = analyze_basictracking(expmt,varargin)

% This function provides a sample analysis function to run after the
% run_basictracking.m. It takes the experimental master data
% struct (expmt) as an input, processes the data to extract features
% and store them to file.

% Parse inputs, initialize raw data memmaps, format in master struct,
% process centroid data
[expmt,options] = autoDataProcess(expmt,varargin{:});

% ----- %
% insert custom analysis here %
% ----- %

clearvars -except expmt options

% Update and save expmt master struct, close open raw data files,
% and reset the expmt master struct for new experiment
autoFinishAnalysis(expmt,options)
```