CME assignment zero

ANSWERS

For the CMEs listed below, follow the CME analysis procedure described in the lesson and also submit answers to the following questions for each CME:

HW#0 CMEs starting at

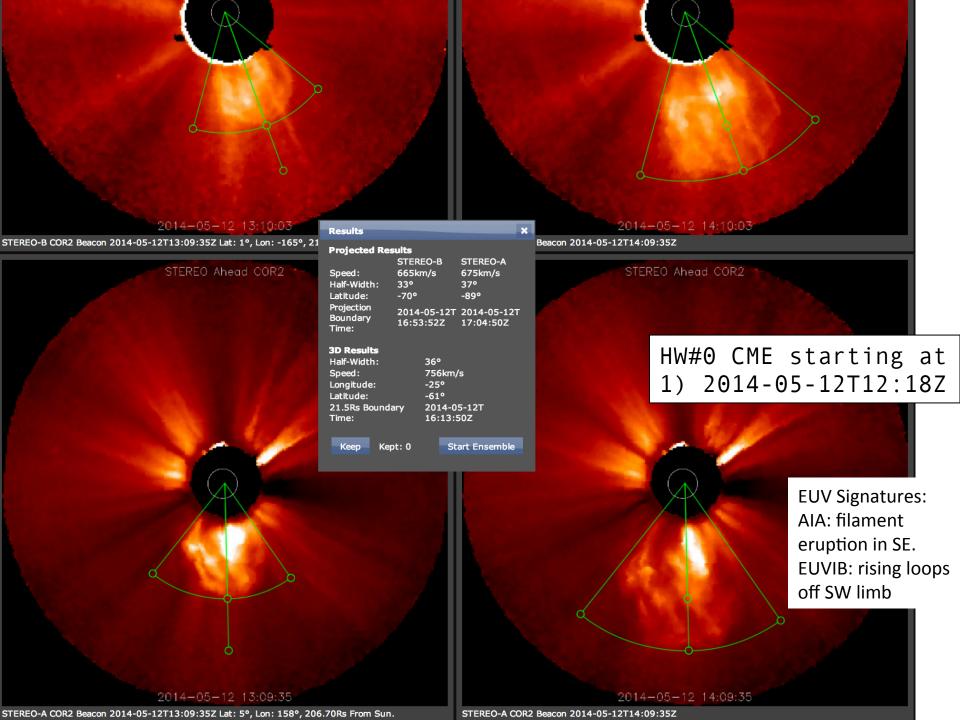
- 1) 2014-05-12T12:18Z
- 2) 2012-10-05T03:24Z
- 3) 2012-07-12T16:54Z
- 4) 2013-02-26T14:06Z

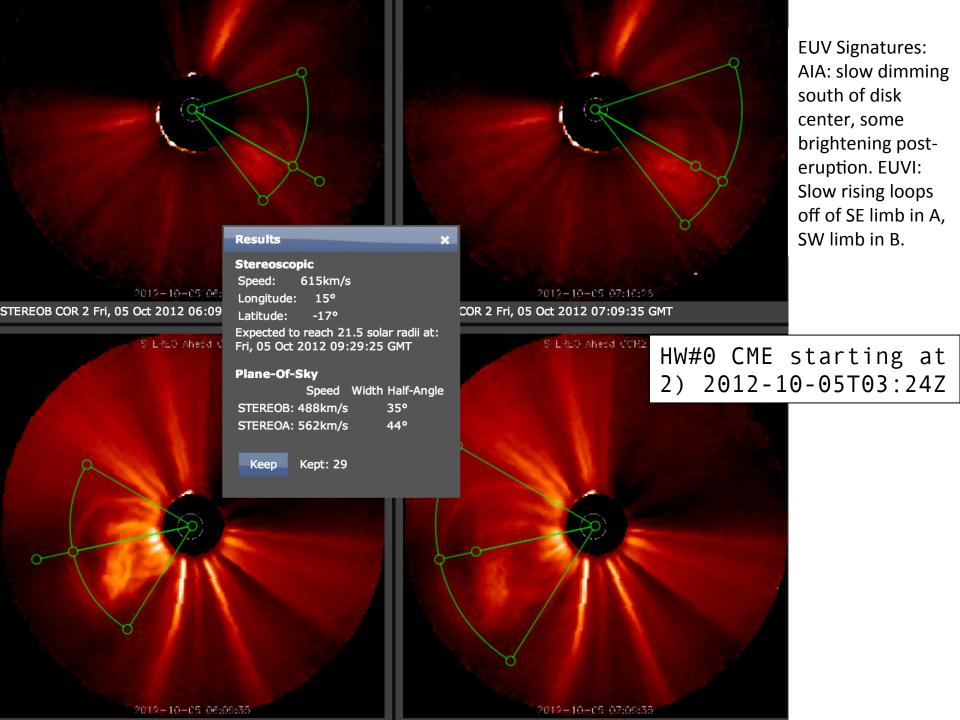
Resources & iSWA layouts

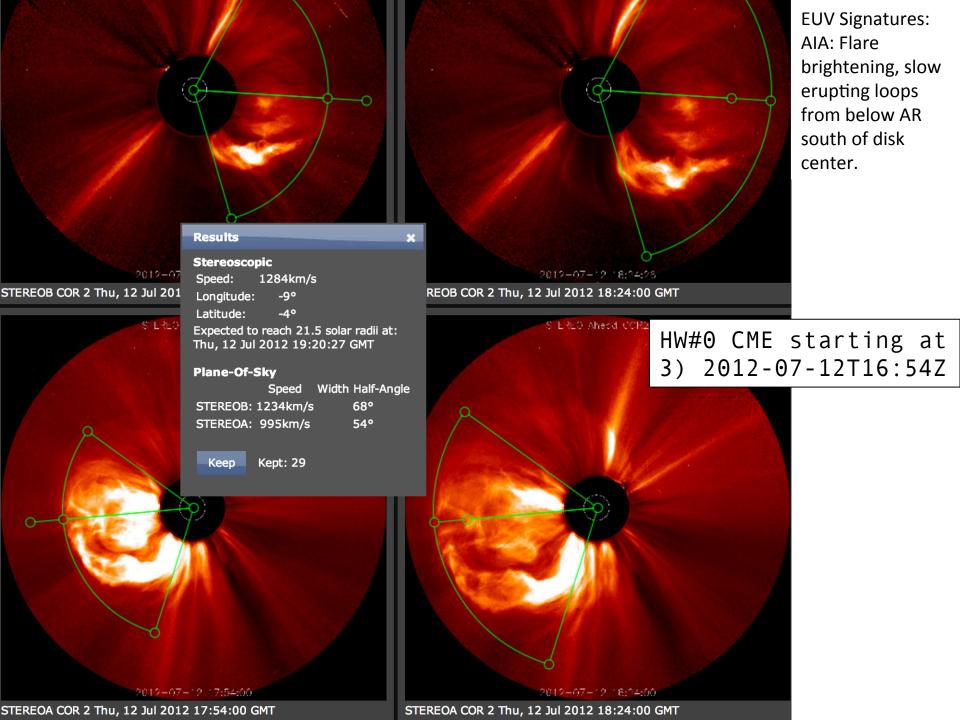
- * StereoCAT: http://ccmc.gsfc.nasa.gov/analysis/stereo/
- * 40 Frame coronagraph and EUV movies http://go.nasa.gov/16bTvzK
- * Where is STEREO? http://stereo-ssc.nascom.nasa.gov/cgi-bin/make-where-gif
- * http://cdaw.gsfc.nasa.gov/movie/
- * Solar Images with grid overlays http://www.solarmonitor.org/

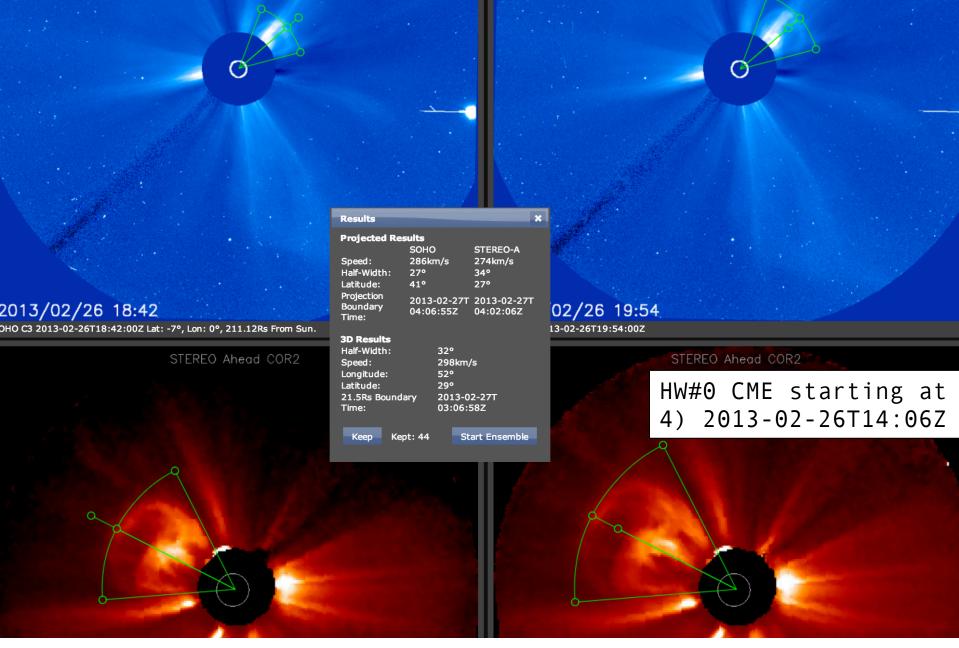
Fill out the form:

- a) What is the source location for this CME? (list the location e.g. N15E20, instrument/wavelength, and time of the observation).
- b) Describe the EUV lower coronal signature for this CME (e.g. flare, post eruption arcade/loops, rising loops, dimming, filament eruption).
- c) Is the CME a halo in any of the coronagraphs? If so, is it moving away from or towards the observer?
- d) Which coronagraph instrument first observed the CME at the start time?
- e) What are your final CME parameters (radial speed, half width, longitude, latitude, and time at 21.5 Rs (solar radii)).
- f) Submit your "Save URL" of your measurements.









EUV Signatures: AIA: dimming over a large area in the north, between two ARs.