CME analysis assessment – week one, 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:

CMEs starting at
1) 2012-12-14T02:24Z
2) ~~2012-01-13T09:48Z~~
3) 2012-07-17T14:25Z

correction:
2) 2013-01-13T07:24Z

Fill out the form: http://bit.ly/swcme1

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?

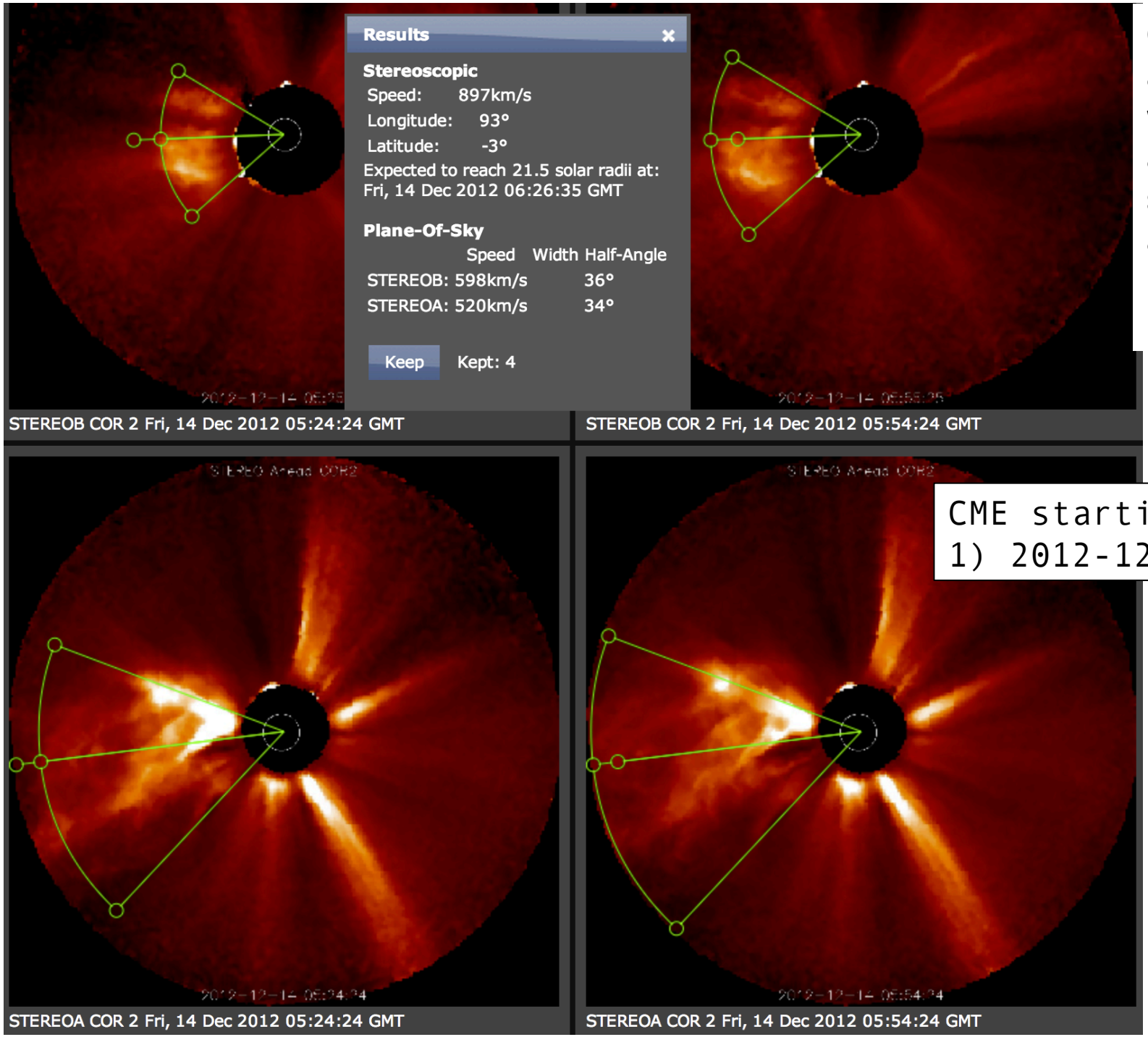
e) What are your final CME parameters (radial speed, half width, longitude, latitude, and time at 21.5 Rs (solar radii)).

f) Submit your "Save URL" of your measurements.

Resources & iSWA layouts

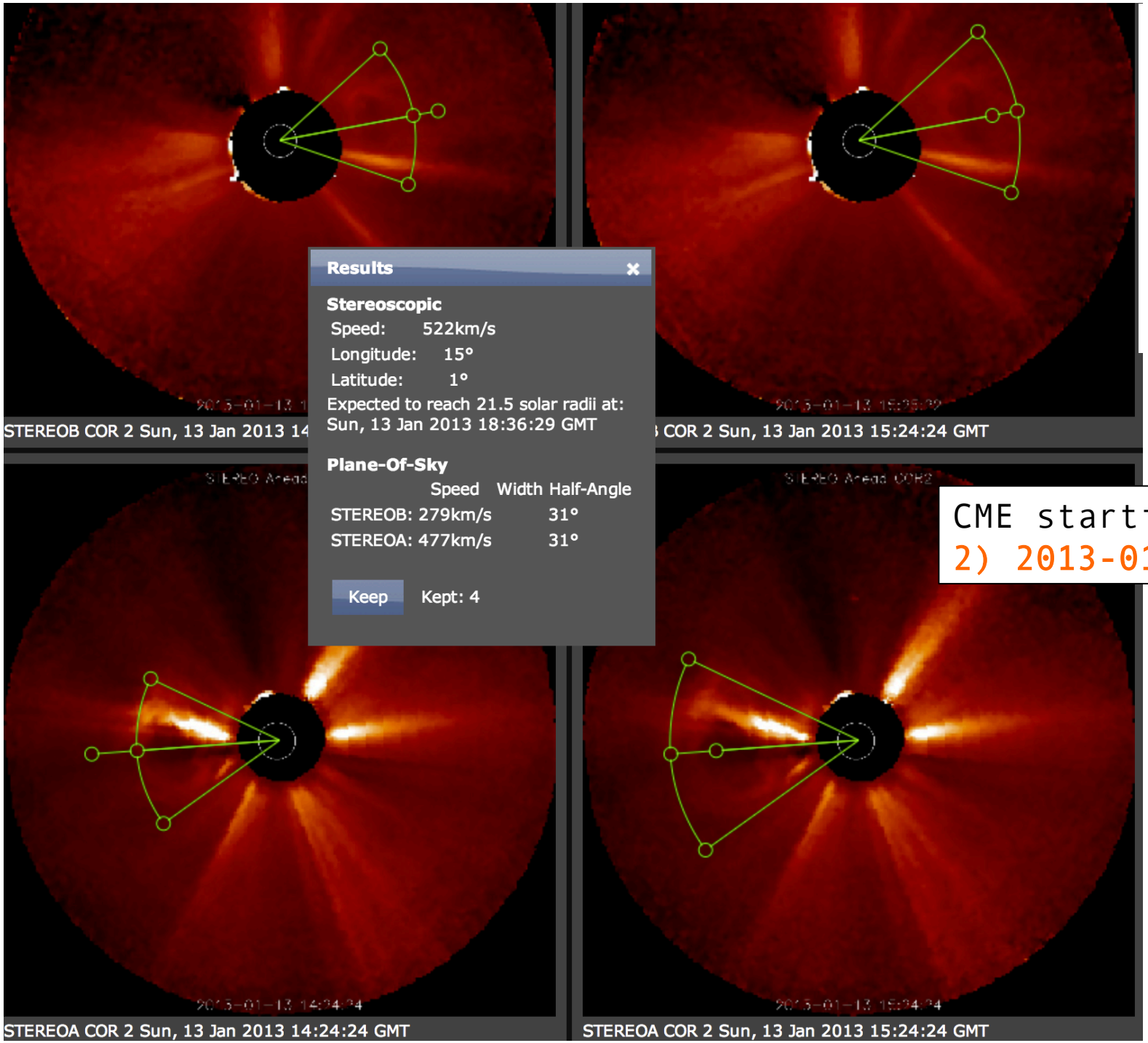
* *CME analysis tool: http://ccmc.gsfc.nasa.gov/analysis/stereo/*
* *40 Frame coronagraph and EUV movies http://go.nasa.gov/16bTvzK*
* *Where is STEREO? http://stereo-ssc.nascom.nasa.gov/cgi-bin/make_where_gif*
* *Solar Images with grid overlays http://www.solarmonitor.org/*

CME analysis assessment, week one – approximate starting answers



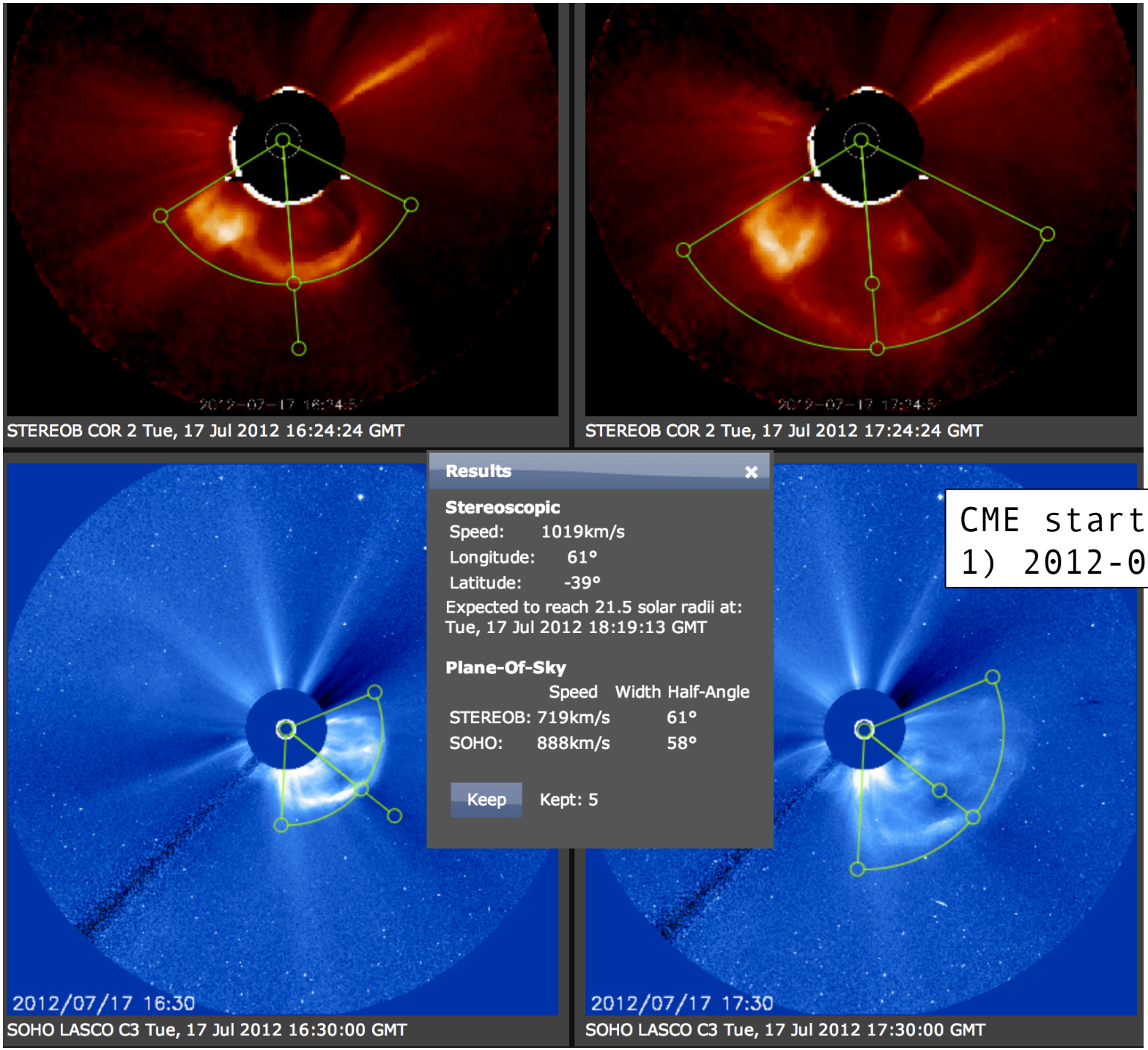
CME starting at
1) 2012-12-14T02:24Z

CME analysis assessment, week one – approximate starting answers

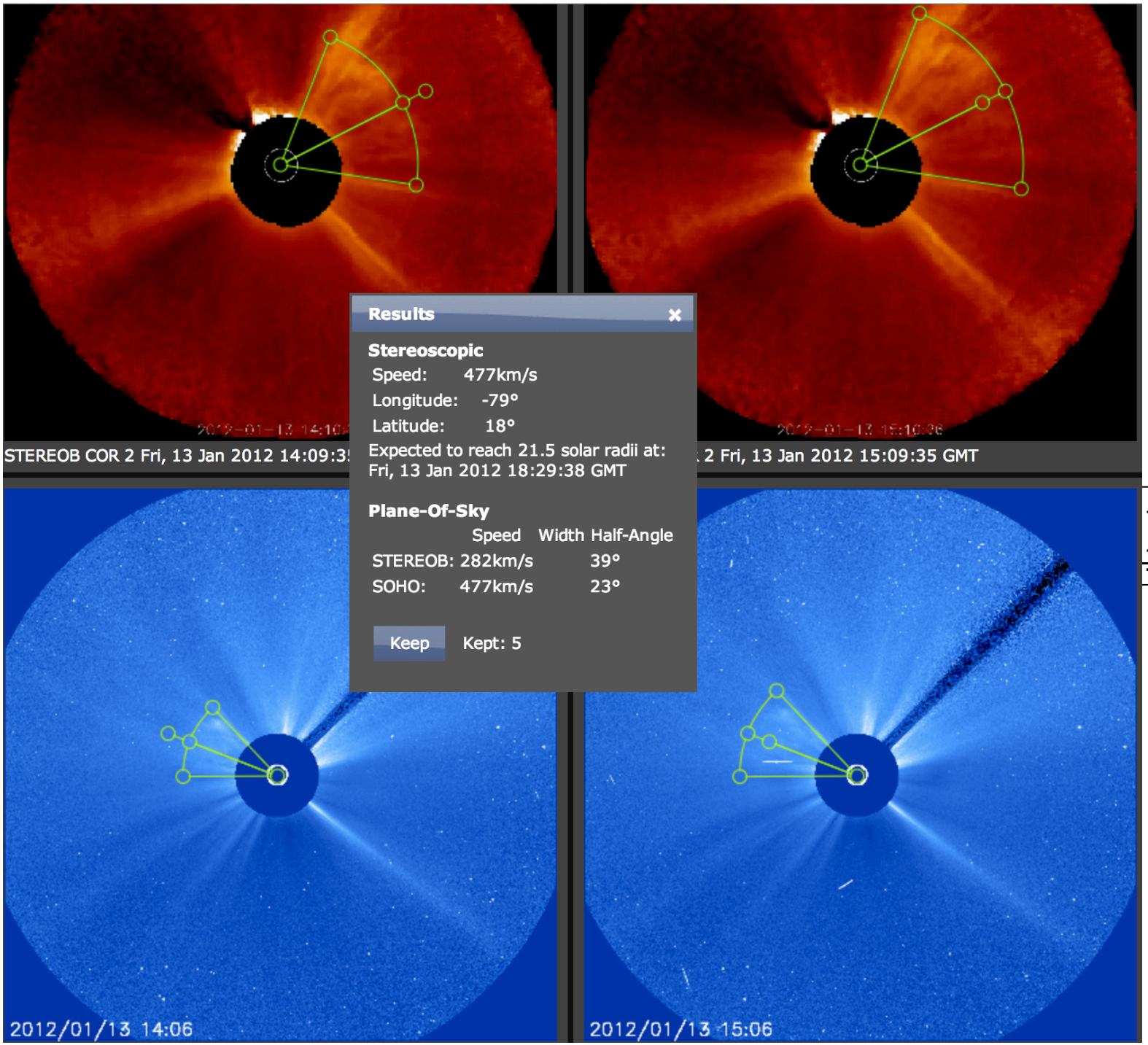


CME starting at
2) 2013-01-13T07:24Z

CME analysis assessment, week one – approximate starting answers



CME starting at
1) 2012-07-17T14:25Z



CME analysis assessment, week one – approximate starting answers

ing at
~~1-13T09:48Z~~