



Comet C/2012 S1 (ISON)

2013 October 09 02:45 UT

Field of view: 1.9 x 2.3 arcsec

(Direction of comet's tail as indicated by arrow
red crosses indicate cosmic ray hits)

Analysis of HST raw images

Stack of 2 x 348 s exposures in F775W filter

plus 2 x 520 s exposures in F438W filter

subjected to 20 deg rotational gradient

filter using IRIS software

mean centre of rotation indicated by central red square

Comments:

The inner coma appears to be devoid of jets or other directional outflows apart from a possible very weak feature at p.a. 240 degrees to the tail direction.

A weak tail feature appears to emanate from the nucleus.

The image of the nucleus itself appears to be unaffected by cosmic ray hits.

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