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Sormano June 24, 2019

To: Dr. Tim Spahr  
IAWN Manager  
International Asteroid Warning Network (IAWN)

Dear Tim,

on behalf of Sormano Astronomical Observatory IAU code 587 an amateur observatory in Italy and its astrometry team, I am pleased to inform you about our intention to join the International Asteroid Warning Network (IAWN) as contribution to perform astrometric positions, orbits, close approaches computation and identification of Near Earth Objects. The IAWN Statement of Intent has been read and in line with our actions, we can abide the Charter.

Main instrument RC 0,5 m plus refractor equipped with a small CCD camera in order to perform follow-up of fast moving objects.

CCD: FLI camera 3056\*3056 pixel, FOV 36x36 arcmin with magnitude limit 21.5 V

Internal software were developed to assure the best guiding of the robotic mount during the follow-up.

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GEOGRAPHIC COORDINATES WGS84:  
LONGITUDE: 9° 13' 45.05" EAST LATITUDE: 45° 52' 58.65" NORTH HEIGHT: 1128 M, MSL



More internal software programs are dedicated to complete priority lists of objects computing their orbital elements on the basis of astrometric observations available calculating the close approaches to the Earth, Moon and inner planets and make use of professional software as OrbFit software package. In addition when a new NEO is discovered, after its orbital elements publication we check our database in search of possible identification candidates then we recompute its new orbit to submit to MPC:

Sormano Internal Database of Orbits and Observations

Update May 18, 2019

Number of Asteroids Observations 209,851,119

Number of Comets Observations 1,010,745

Orbital Elements of Unnumbered Asteroids

Perturbed and Unperturbed solutions 253,741

Orbital Elements of Comets 4,036

Results and lists are available in the main web page, daily updated after DOU publication by Minor Planet Center (MPC) and linked to JPL-NASA Center for NEO Studies (CNEOS).

Sormano's main web page: <http://www.brera.mi.astro.it/sormano/>

Contact persons:

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Yours sincerely,

Francesco Manca