

METHODOLOGY AND SOFTWARE FOR SEPARATION OF GSS CLUSTER OBSERVATIONS

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The method of separation of GSS in close cluster groups by their NORAD numbers is presented. The method can be used when direct identification using (O-C) residuals is impossible. Long series of GSS observations that were obtained at the SAC telescope of the Mykolaiv observatory during 2020-2021 were used to test this method. The software for automatic separation of GSS in close cluster groups by their NORAD numbers was created to further use this data to calculate sets of orbit elements in TLE format.