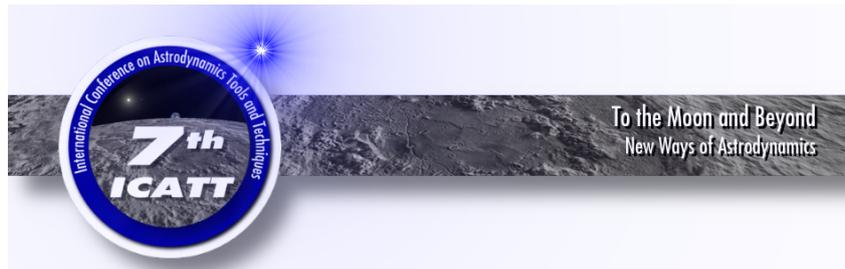


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Are we really covering up the whole sky?

Wednesday, 7 November 2018 15:00 (30 minutes)

As it's known that our Sun rises always in the east and sets in the west, similarly, all the stars in the sky also rise in the east and set in the west. But day time, due to sun's brightness, we would not be able to see the stars in the sky. Apart from this, there are many other parameters that restrict the observation of these celestial objects. A few of those are : Time period of rising and setting of an object, latitude, Magnitude of the object, altitude of the location of observation and limitation of the telescope covering the sky in all angular directions. Then the question arises, can we really cover up the complete sky in all angular positions for observation with the availability of telescopes and also with respect to its situated positions for observations? There is always the possibility that we could miss some part of the sky. This aspect is the motivation that prompted to take this topic of research. This is just a questionnaire to start up research. Research has to be yet startup, with the small experiments plot. To carry out this research the sample is taken first for Chennai and then applied for all other available Indian telescopes. This work further can be extended to all other telescopes situated around the world with different geographic locations and plotting observational coverages over the night sky and looking for the list of possibility of unobserved part of the night sky with the sufficient exposure and resolution.

Summary

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