

A SIMULATION FOR LASER SCATTERING EXPERIMENT AND A CLOUD MONITORING FOR TELESCOPE ARRAY AT- MOSPHERIC MONITORING

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R&D of atmospheric monitoring for the Telescope Array Project has been studied at Utah, USA and at Akeno, Japan. As a part of these R&D, a simulation for laser scattering experiment to understand atmospheric properties and a cloud monitoring to determine the fiducial volume for the detection area using infra red camera have been studied. According to a simple simulation study, the calculation result is in good agreement with the experimental data qualitatively. As to cloud monitoring, a basic method to recognize the cloud region is trying to be established. In this report some preliminary results for these R&D are presented in brief.