This report presents an observation method of Cherenkov light from extensive air showers (EAS)

generated by cosmic rays (CRs) above 10^16eV and preliminary observations. The interest in

Cherenkov light differential detectors of EAS is caused by the possibility to measure the depth

of cascade maximum, Xmax, and/or the shower age via angular and temporal distributions of the

Cherenkov signal. In particular, it was shown using EAS model simulations that the pulse width

measured at the periphery of the shower, r > 300 m, at sea level is pronouncedly connected with

Xmax. Cherenkov detector is a wide-angle telescope working in coincidence with scintillation

detectors, integral and differential Cherenkov detectors Yakutsk complex EAS.