

The SLR 2000 Data Analysis Computer Design

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The SLR2000 computer system consists of four computers, Interface Control Computer (ICC), Pseudo Operator (POP), Data Analysis Computer (DAN) and Remote Access Terminal (RAT). The DAN computer is responsible for the non real-time data processing, data results archiving, and routine external data communications. Data processing includes Satellite predictions, station event scheduling, full-rate data processing and normal point generation. The calibration and pass data results will be stored in a database for station self assessment and access via the web. On a daily basis the site will download satellite predictions from a central facility a daily diary of station activity and problems will be uploaded daily and satellite normal points will be uploaded hourly. Each site will have it*s own web site were scientist can retrieve pass statistics, calibration statistics, weather information at the site, and system performance. The web site will allow a "SuperTech" to log onto the system to perform routine maintenance such as adding new satellites and retrieving information. The flow and details of the system processing will be presented.