Si-P003 Room: IM2 Time: June 27 17:30-19:00

Cost effective automated data collection and transmission system for microbarograph network using free-Unix

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I have developed a cost effective microbarpgrah collection and transmisstion system using free Unix on a PC.

A system is composed of Linux OS, a DOS/V machine, an intelligent microbarograph with RS-232C communication, digital GPS clock for car navigation, and a modem.

A center machine dialups the every machine with PPP conection at night and data transfer is finished within a few minutes for each site. Two novel points are that the system does not have an analog part so that maintenance can be done by non-specialists over the network and the system based on Unix can be easily extended and modified for other geophysical data collections.

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