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APPLICATION NOTE No. 005		
Historical logging of COM ports data into the integrated FTP server		
Ver. 1.1	April 2012	Total: 2 page(s)

Description

In a weather station NetCube continuously read COM ports from temperature, humidity and pressure analyzers and store data in a log file.

A limit on the size of the log file can be set in order to avoid using all the free space available on its Disk-On-Module. The log file is always available in the NetCube FTP server. A remote server regularly connects itself to the NetCube, downloads the file and deletes it once download complete. After each download the NetCube automatically creates a new log file.

Logical behaviour (pseudo-code)

```
Loop
  Read COM port # blocks until data arrives
  Open logfile #create it if needed
  Lock it
  Write the data in the log
  Unlock logfile
  Close logfile
Endloop
```

Overview of the installation

