

MARS Problem Report

Name: Aaron Marburg		Date: June 29, 2006
Subsystem: DCS		Module/CCA: NTP Server
Assigned to: Aaron Marburg	Approval authority: Gene Massion	

Description of the problem: The Endrun Technologies Unison NTP server box currently has a fault light on.

Significant events preceding identification of problem:

n/a

Description of diagnostic testing and results:

Through the console, ran the "gpsstat" command:

```
Unison GPS(root@ntp91-1:~)-> gpsstat  
LOCKED TFOM = 4 2006 180 18:30:28.961836100 14 14 2 7 36658 42.5 0040
```

Where the last block "0040" are the fault codes. This fault is listed in the manual as "no NTP polling events" and manual suggests power cycling the unit, which was done. Once unit reacquired GPS lock, the fault recurred.

Contacted Unison customer service (Bruce Penrod, bmpenrod@endruntechnologies.com, x231). He indicated some units were shipped misconfigured and that fault may not be a problem. Need to provide SSH access to unit for repair.

List all design changes successful or not:

Put unit on MBARI internal network (134.89.42.xx) and had IS allow SSH access from the outside world. Vendor accessed unit over internet, confirmed unit was "misconfigured" and addressed problem.

Changed unit back to internal IP address. Also changed system root password away from factory default

Documentation changes required:

Updated root password in master password list.

Approved:

Date: