Time Servers
Originated by David O'Gorman on Tue, 26 Jul 2011

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We are upgrading the time server on the Wecoma to units that deliver IEE1588 (v2, 2008) Precision Time Protocol.

We have currently narrowed the field to the S350 from Symmetricom:
http://www.symmetricom.com/products/ieee-1588-ptp-solutions/ptp-servers/SyncServer-S350-PTP/

And the SecureSync from Spectracom:
http://www.spectracomcorp.com/ProductsServices/TimingSynchronization
/GPSTimeFrequencyReferences/SecureSyncSynchronizationSystem/tabid/1304/Default.aspx

I thought I'd ask around to see if anyone has alternatives or features that we may want to consider.

We are looking for units that also deliver:
-10MHz
-1pps
-IRIG(b)

Right now we are leaning toward the S350 because it has multiple isolated ethernet ports.

Dave

David O'Gorman
Marine Instrumentation Engineer - COAS
130 Burt Hall
Corvallis, OR 97331

Reply From: Webb Pinner on Date: Tue, 26 Jul 2011

Dave,

Had real good luck with the S250 on the Okeanos Explorer and when I used to work on the Institute for Exploration's fly-away ROV system. If the S350 is just the updated model I'd think you'll be fine.

The multiple ethernet ports remains my favorite features, makes providing NTP across multiple subnet easy and without compromising network security or having to dig through routing tables.

Something else we use on the Explorer or Symmetricom's NTP clock displays. We have one in the main lab and in the ROV/Multibeam Control room. There an easy way to add sub-second accurate clocks around the ship. Add network, power and DONE.

Good Luck.
- Webb