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Subject: Re: Realtime in PV-Wave  
Posted by [oet](#) on Tue, 22 Jun 1993 07:48:43 GMT  
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In article 18JUN199312401085@mars.lerc.nasa.gov, uubrian@mars.lerc.nasa.gov (Brian Bentz) writes:

> Hi everyone,  
>  
> I'm very new to the group, so I'm not up on what's been discussed  
> in the past. However, I'm working on doing some real-time work with  
> PV-Wave. I'm curious who all out here on the group have done this kind  
> of thing, and what they've done with it. I'm looking for some ideas,(and  
> frankly, someone to ask questions because I'm still fairly new to wave  
> anyway)  
> Brian

I don't know about PV-Wave but in IDL there are several ways to do things like that. You can run IDL as RPC-Server or RPC-Client. It is possible to provide running IDL-Severs on distributed Workstations over the whole Internet with real-time data. Another possibility for nearly-real-time purposes is updating a display program in IDL with periodically checking an incoming directory for new data in a background task. This way we distribute Radar- and Satellite images on our Wide Area Network with 10 Sun Sparc Servers and 160 Workstations. The images are first distributed to the local area servers and the IDL frontends on the Workstations then check the NFS mounted incoming directory. On normal use of the network running animation loops are reorganized and updated when a new image is in the incoming directory in less than one second. You can get the current state of our online animation solution via ftp:

```
ftp ftp.sma.ch (141.249.3.33)
cd /pub/idlmeteo/loop-tool
bin
get Meteo_Anima_2.0a.tar.Z
```

It is in a working state, so there is to much documentation at this time.

Thomas

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