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-------------------------------------------------------------------------------
                  Mauna Loa Solar Observatory Observer's Log
-------------------------------------------------------------------------------
        Sun Nov 21 20:11:40 GMT 2010
Year: 10  Doy: 325
Observer: koon
WEATHER COMMENT: Sun Nov 21 20:48:11 GMT 2010
Clear sky, wind=5mph from the NNE, temp=55F.
___end___
Sun Nov 21 21:00:52 GMT 2010    CHIP    Start Patrol
**GENERAL PROBLEM COMMENT BY DARRYL**: Sun Nov 21 20:51:09 GMT 2010
We've had lots of problems since a power outage that apparently occurred late
on Friday.  Once again the fuse in the timer circuit of the automatic main
electrical service box blew out, probably during a power anomoly, then the
power stayed off long enough for the UPS system to shut down and all power
was lost to MLSO.  I'll contact the NCAR folks who designed and installed
our automatic system to see if we can use a higher rated fuse to eliminate
this problem.  Yesterday Allen changed the fuse but was unable to get
anything else running, mainly because Kenobi wouldn't boot up normally.

Today I started some things that don't rely on Kenobi, like our GONG monitor
and the CoMP electronics.  Then I tried getting Kenobi to boot regularly and
using fsck w/o success, I could see that the stall was occurring while the
/kope/paa backup HDD was being accessed, I turned off Kope/paa and rebooted,
when it got to the messages about "no such device or address" and stopped and
asked to run fsck or continue I used CTRL-D as prompted to let it continue,
then Kenobi booted up w/o kope/paa.  I could see that /data was mounted and
thought I could start up everything else and at least store data there on
the /data HDD, I verified that with Alice, she'll check our filesystem later
today also.  I think that black USB HDD that we have installed on Kenobi
is a backup for kope/paa USB HDD which is standing vertcally and labeled, the
black HDD is on top of the shelving above the CoMP monitor.

While starting the other computers and instruments I noticed that PSPT uses
Kaiee as a time server, so Kaiee needs to be booted before the PSPT Sparc so
the NTP service on that Sparc will start up.  We had a problem with the PSPT time being off last time this power problem h
appened on 10/28/10.

After typing in "run" Nahenahe keeps repeating the error message:
ERROR: Could not open device: No such device or address
I wonder if it is also looking for kope/paa.  The log came up OK, and the
observing program looks OK otherwise, maybe I'll try it anyway.
___end___
Sun Nov 21 21:38:04 GMT 2010 H-ALPHA Start Patrol
Sun Nov 21 21:39:47 GMT 2010: PSPT Start Patrol
NOTE BY DARRYL: Sun Nov 21 21:44:25 GMT 2010
Earlier when I was booting Kenobi I got a message:
can't open /dev/rdsk/c1t0d0s2
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it turns out that is the /mirror/data SCSI HDD, I'm not sure if that is used
anymore. I tried turning kope/paa HDD back on, after light turned blue I
as superuser on Kenobi typed:
mount /kope
it wouldn't mount, the reply message was:
mount: /dev/dsk/c2t0d0s5 is already mounted, /kope is busy, or the allowable
number of mount points has been exceeded.

I did see the HDD light flicker. I left Kope/paa connected and turned
on, but it isn't mounted.
___end___
Sun Nov 21 22:28:34 GMT 2010   CHIP   Start Patrol
CHIP PROBLEM COMMENT BY DARRYL: Sun Nov 21 22:29:53 GMT 2010
Crashed, restarted.
___end___
MKIV PROBLEM COMMENT BY DARRYL: Sun Nov 21 22:35:46 GMT 2010
No GIF animations, no data going to disk, error messages listed before still
scrolling by, scans did run and plot in the realtime GUI. Stopping for today.
___end___
CoMP PROBLEM COMMENT BY DARRYL: Sun Nov 21 22:38:14 GMT 2010
PC won't boot all the way up, still trying cycling power now and then.
___end___
Sun Nov 21 23:01:46 GMT 2010   CHIP   LSD
CoMP COMMENT BY DARRYL: Sun Nov 21 23:02:55 GMT 2010
Received CoMP HDD #1 and #10, connected HDD #7.
___end___
Sun Nov 21 23:03:51 GMT 2010   CHIP   End LSD
Sun Nov 21 23:03:59 GMT 2010   CHIP   BiasLSD
Sun Nov 21 23:04:46 GMT 2010   CHIP   End BiasLSD
Sun Nov 21 23:04:55 GMT 2010   CHIP   Bias
MKIV COMMENT BY DARRYL: Sun Nov 21 23:03:39 GMT 2010
Received spare AD module that I purchased for the MV200 graphics board, will
test later, that should give us a complete spare MV200 and a few partials.
___end___
Sun Nov 21 23:05:37 GMT 2010   CHIP   End Bias
Sun Nov 21 23:05:48 GMT 2010   CHIP   ReStart Patrol
PSPT COMMENT BY DARRYL: Sun Nov 21 23:15:22 GMT 2010
Received the repaired R! rated shutters that I sent for repair several months
ago, we have 3 spare R! shutters now, each newly repaired R! type lasts about
4 years.
___end___
Sun Nov 21 23:50:41 GMT 2010   CHIP   End Patrol
CHIP PROBLEM COMMENT BY DARRYL: Sun Nov 21 23:51:00 GMT 2010
I'm not sure if data are being saved, the animations aren't updating and I see
the error message:
mv: cannot rename /local/d/Data/.......No such file or directory.
___end___
WEATHER COMMENT: Sun Nov 21 23:58:00 GMT 2010

Low clouds are moving in.
___end___
Mon Nov 22 00:25:08 GMT 2010: PSPT Abort Patrol
MKIV COMMENT BY DARRYL: Mon Nov 22 00:27:41 GMT 2010
Used command "ls /data/realtime/ACOS" successfully confirming that /data
is crossmounted with Nahenahe.
___end___
PSPT COMMENT BY DARRYL: Mon Nov 22 00:28:45 GMT 2010
Used comman "ls /data/realtime/ACOS" successfully confirming that /data
is crossmounted with PSPT Sparc.
___end___
NOTE BY DARRYL: Mon Nov 22 00:29:51 GMT 2010
Used command "ls /data/realtime/ACOS" successfully on Kaiee confirming that
it is crossmounted with /data.
___end___
CHIP COMMENT BY DARRYL: Mon Nov 22 00:32:54 GMT 2010
At first Kii wasn't crossmounted with /data when I checked it, I rebooted Kii
and now it is crossmounted. Will try get some cloud data.
___end___
Mon Nov 22 00:33:58 GMT 2010   CHIP   Start Patrol
CHIP COMMENT BY DARRYL: Mon Nov 22 00:35:27 GMT 2010
I'm not seeing error messages, and I amd seeing data collecting in Kenobi
for CHIP now, this instrument is back.
___end___
H-ALPHA COMMENT BY DARRYL: Mon Nov 22 00:38:09 GMT 2010
I see data from this instrument in /data on Kenobi.
___end___
Mon Nov 22 00:40:13 GMT 2010 H-ALPHA End Patrol
PSPT COMMENT BY DARRYL: Mon Nov 22 00:40:32 GMT 2010
I see data from this instrument in /data on Kenobi.
___end___
MKIV PROBLEM COMMENT BY DARRYL: Mon Nov 22 00:42:25 GMT 2010
I don't see data from today in /data on Kenobi or in the data directory
on Nahenahe, and those error messages described before keep scrolling by.
___end___
WEATHER COMMENT: Mon Nov 22 00:44:58 GMT 2010
Clouds are getting dark, closing domes.
___end___
Mon Nov 22 01:16:57 GMT 2010   CHIP   End Patrol
Mon Nov 22 02:00:36 GMT 2010
        MkIV