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------------------------------------------------------------------------
         Mauna Loa Solar Observatory Observer's Log
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         Thu Mar 20 18:07:09 GMT 2025
Year: 25  Doy: 079
Observer: lisapg
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GENERAL COMMENT BY Observer: Thu Mar 20 18:09:36 GMT 2025
Engineering day up the mountain.
___end___
GENERAL COMMENT BY Observer: Thu Mar 20 18:23:50 GMT 2025
Came in at 720 batteries were at 54% from 68% yesterday with a load between 235-300w, G
enerator started at 7:25 am, 730am computers powered, 735am let Michael Lewis that we a
re powering the computers and getting; 750am camera coolers for UCoMP filled, 755am per
sonal laptops have wifi signal, 759am, ucomp computer powered on.
___end___
GENERAL COMMENT BY mcotter: Thu Mar 20 18:24:19 GMT 2025
Currently getting computer times synced as they are all off from each other.
___end___
KCOR PROBLEM COMMENT BY lisapg : Thu Mar 20 18:33:36 GMT 2025
Kcor currently cannot see any of the drivers and the MegaRAID storage manger has popped
 up with three fatal error level with the message:

Battery has failed and cannot support retention. Please replace the battery.
___end___
GENERAL COMMENT BY lisapg: Thu Mar 20 18:52:14 GMT 2025
SGS seems to be working fine,
___end___
Thu Mar 20 19:26:01 GMT 2025 Running UCOMP Cookbook checkout.cbk line 0
UCoMP COMMENT BY lisapg: Thu Mar 20 19:42:12 GMT 2025
Note that the Cropico temps are 0 because we are changing the batteries as the lccd dis
play was not reading anything.
___end___
Thu Mar 20 19:41:39 GMT 2025 Running UCOMP Cookbook checkout.cbk line 0
Thu Mar 20 19:56:45 GMT 2025 Running UCOMP Cookbook checkout.cbk line 0
Thu Mar 20 20:11:52 GMT 2025 Running UCOMP Cookbook checkout.cbk line 0
Thu Mar 20 20:26:58 GMT 2025 Running MLCOMP Cookbook checkout.cbk line 0
KCOR COMMENT BY lisapg: Thu Mar 20 20:36:49 GMT 2025
kcor internet problems solved and mounting issues fixed
___end___
Thu Mar 20 20:42:04 GMT 2025 Running UCOMP Cookbook checkout.cbk line 0
Thu Mar 20 20:50:32 GMT 2025 UCoMP Paused for clouds
Thu Mar 20 20:51:34 GMT 2025 UCoMP Restarted from pause
Thu Mar 20 20:51:35 GMT 2025 UCoMP Paused for clouds
Thu Mar 20 20:51:37 GMT 2025 UCoMP Restarted from pause
GENERAL COMMENT BY lisapg: Thu Mar 20 20:55:43 GMT 2025
Batteries charge 94%
___end___
Thu Mar 20 20:58:08 GMT 2025 Running UCOMP Cookbook checkout.cbk line 0
KCOR COMMENT BY lisapg: Thu Mar 20 20:59:33 GMT 2025
Did mechanism run through with KCor everything moved properly; doing a software test. N
ote this is all JUNK DATA
___end___
GENERAL COMMENT BY lisapg: Thu Mar 20 21:08:45 GMT 2025
Michael lewi has fixed zodiac time, THANK YOU
___end___
GENERAL COMMENT BY lisapg: Thu Mar 20 21:11:56 GMT 2025
Pilot is heading up due to clouds coming in from the West. Shutting things down
___end___
GENERAL COMMENT BY lisapg: Thu Mar 21 01:50:16 GMT 2025
720am helicopter landed and got to MLSO building. Batteries were at 54% when we came in
 with a load between 230-300W. UCoMP ILX/heater was up to temp at 35C and KCor was stru
ggling to come up to temp from 33C, which is normal for how cold it can get this time o
f year. Heaters successfully stayed on during the night!

725am generator started successfully

730am computers powering up as well as internet and everything else.

735am Let Michael Lewis know that we are power the computers up today and to be on stan d by in case we need anything.

750am Went upstairs to fill the camera cooling system with water; batteries charging an d currently at 60%

755am personal laptops have wifi signal

759am UCoMP computer started

815am Marc checking all the times on the computers and syncing them up. Then checking t he adjusted time against time.gov and making sure they're within a second or two. KCor, Zodiak and Lava/logger not updating the times.

830am (roughly) Marc started communicating with Michael Lewis as we got some Megaraid s torage manager popped up on KCor and had three fatel error levels and all three had thi s comment: Battery has failed and cannot support data retention. Please replace battery .
Also noted, Kcor could not connect to the internet and nothing could be mounted.

835am Besides KCor, the computers came up with minimal issues and could see Kodiak, swe et!

840am Batteries at 69%; trouble shooting Kcor internet while Michael talks to Tom and c alls us back.

845am UCoMP computer came up fine; attempting to do a git pull. Starting SGS software, wasn't happy once started but we cycled the computer and the SGS software started up ha ppy. Seemed to be fine in close loop (obviously not tracking)

850am Git pull was aborted as it would overwrite files during the merge and followed Be ns' instructions provided ahead of time to do a git reset and then attempt another git pull; Marc working with Michael about the Kcor internet problem

9am Git pull worked on UCoMP, setting up UCoMP to do the checkout.menu and Michael att empts to look at Zodiak as he couldn't log into the computer. —I should note here that the main monitor when we switched to Zodiak would just flicker; Marc check all the conn ections but it would flicker in and out of existence before we were able to get the scr een to show the actual Zodiak computer, so this was an ongoing problem.—

905am (roughly) UCoMP Checkout.menu started running sucessfully;

920am Marc reset the UCoMP cameras as they didn't come up immediately, twice and then h e disconnected the Cropico and is changing the batteries as the LCD wasn't displaying a ny information. Continued setting up UCoMP checkout.menu as everything initialized, wor king on trouble shooting Zodiak, and KCor with Michael and Ben. Batteries at 75%

927am UCoMP running checkout.menu

1020am Batteries at 87%; did a lot of troubleshooting with Marc, Ben and Michael Lewis; feels like we may have figured it out but still checking things

1030am Seems the ethernet cable for KCor was in the wrong spot and when moved and given some time, the internet issue resolved itself. Thank you Ben, Michael and Marc for you r help and patients on this. Michael Lewis still trouble shooting Zodiak time not wanti ng to change; Michael also informed us that we can take data without the battery in the computer being dead, it just won't cache anything and if the power goes out, that's al l she wrote. Kcor drives were all mounted and good to go; heading upstairs to exercise the kcor mechanisms before starting junk data testing.

1050am (roughly) KCor junk data testing started; socketcam came up without a hitch and it seems to be okay.

1105am (roughly) Checked in with pilot; clouds coming up from the West and eta for pick up 20 minutes

1110am Shutting everything down; batteries at 94%

1122am Generator shut off; batteries at 98% with load pulling 250-330W
___end___
ONSITE STAFF: lisapg, mcotter