
Mauna Loa Solar Observatory Observer's Log

Wed Jan 15 17:42:45 GMT 2020

Year: 20 Doy: 015

Observer: berkey

WEATHER COMMENT: berkey: Wed Jan 15 17:43:06 GMT 2020

Temp: 42.1f, Humidity: 71%, Pressure: 28.641in, Wind: 0mph from 168degs, Skies: heavy overcast

___end___

GPS by MLSO: Wed Jan 15 21:45:41 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

dataoutiq_2019_355_2234.bin 15748400

dataoutiq_2020_015_0000.bin 50988256

dataoutiq_2020_015_0032.bin 2147483647

dataoutiq_2020_015_1942.bin 24992176

dataoutiq_2020_015_1956.bin 236556000

___end___

GPS COMMENT BY berkey: Wed Jan 15 21:58:57 GMT 2020

Over the last year we have lost a lot of data on the Qians GPS experimenet when it loses connect to its drive. Unfortuant ly with the system off the network it is hard to tell when the system is happy and runnnig.

To try and catch problems sooner, the GPS system as been connected via rs232 to Wahoo. And we now have a script that runs at 11:45am (hst). That will try to connect to log in to the device, check the usb mount and try to reconnect the drive i f needed. It will then make sure the gps software is running and attemp to restart it if nessary.

If everything thing is happy with the system we should see output like he above GPS comment an the filename and ssizes of the last 5 gps files created.

As we can see from todays output. The system somehow crashed Dec 30th last year and didnt get restarted until yesterday.

We can also see the software restaared a few times in the last 24hours. In this case these extra daily files represent r eboots and testing on my end and not crashes by the hardware of software.

Going forward if we either dont see a GPS y MLSO message or see notes about failures some manual intervention will be requ ired on the part of the obsersers to get the system happy again.

___end___

GENERAL COMMENT BY berkey: Thu Jan 16 01:10:08 GMT 2020

No data today but lots of blowing fog and light rain.

___end___

ONSITE STAFF: berkey