Mauna Loa Solar Observatory Observer's Log ______ Sat Dec 14 16:56:49 GMT 2019 Year: 19 Doy: 348 Observer: waters WEATHER COMMENT: waters: Sat Dec 14 17:12:40 GMT 2019 Temp 43F with windspeed at about 22-27mph from the South-Southwest. Cirrus covering most of the sky at present, waiting fo r better conditions before opening. end GENERAL OBSERVATORY COMMENT BY waters: Sat Dec 14 17:37:19 GMT 2019 Moonfish was completely frozen, did a hard reboot to bring it back. end GENERAL OBSERVATORY COMMENT BY waters: Sat Dec 14 19:51:03 GMT 2019 Looks like we might have an opening, however the wind is still around 20-25 with gusts up to 30mph from the South-Southeas t. Waiting for the wind to calm down now. ___end GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 15 02:25:33 GMT 2019

Unfortunately, no data today. Heres hoping that tomorrow is a better day.

ONSITE STAFF: waters