

## Exposure Table as of June 15<sup>th</sup>, 2023

AC2020 camera, High Gain Stack Mode. The camera mode is set in Maxim DL and is not selectable by the user via the Web interface.

Key points:

1. Exposures 1.0 second and below are single exposures with 12-bit resolution (4095 max).
2. The minimum exposure is 0.1 seconds and that is set by ACP/Scheduler.
3. Camera bias voltage in ADU counts is around 129.
4. Dark current is about 1 ADU count/second of exposure.

RRT 0.1 to 1.0 second standard exposures times.

0.1  
0.2  
0.4  
0.6  
0.8  
1.0

Between 1.0 and 16.0 (exclusive), there are no standard times. At 16 seconds and longer, the exposure time is divided by 16 to get the single frame exposure. The 16 (short) exposures are taken and stacked inside the camera giving a 16-bit resolution result (max 65535). The consequence is that a 1.0 second exposure has the same exposure depth as a 16.0 second exposure. There is no practical need to have standard exposures between 1 and 16 seconds.

RRT 16.0 seconds or longer standard exposure table.

16  
19  
22  
26  
31  
37  
44  
52  
62  
74  
91  
119  
142  
170  
204  
244  
316  
374

