

M20180207_020515_MAI_2P



spectrum



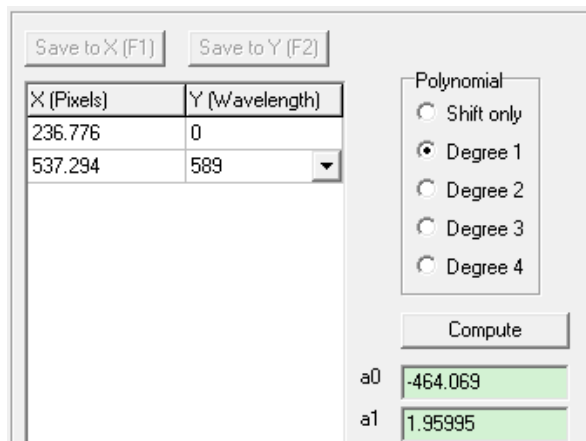
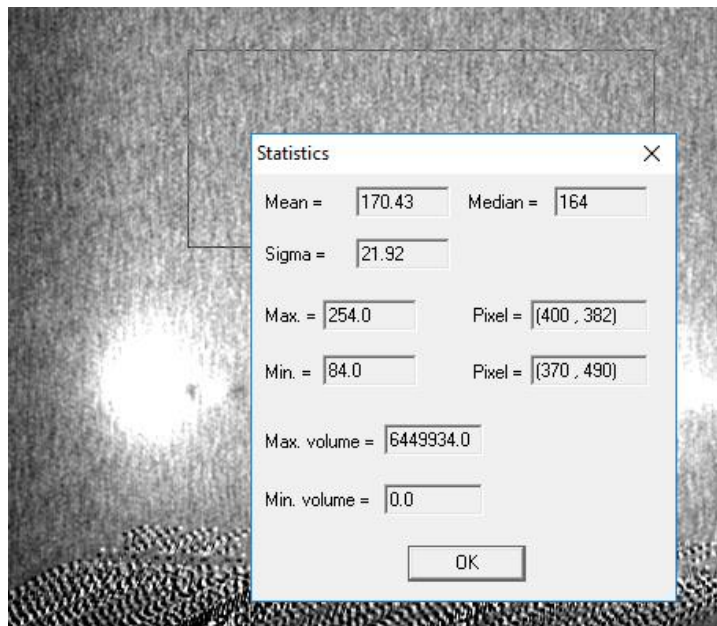
Overview, bright spot below end of trail is last quarter moon, no stars visible!

```
>loadbmp24bw m_50
>RUN M_BACK m_ back 40 0.025
>visu 50 0
>savejpg back 2
>RUN M_DARK m_ back mb 51 140
>add2 mb 140
>visu 1000 0
>savejpg mbadd140 2
ImageTools same as previous (d11_)
>load d11_mb1
>register d11_mb r 140
>add2 r 132 → →
>offset2 r ro -1.3 140
>add2 ro 132
Offset added to correct for bright
background from fog
```

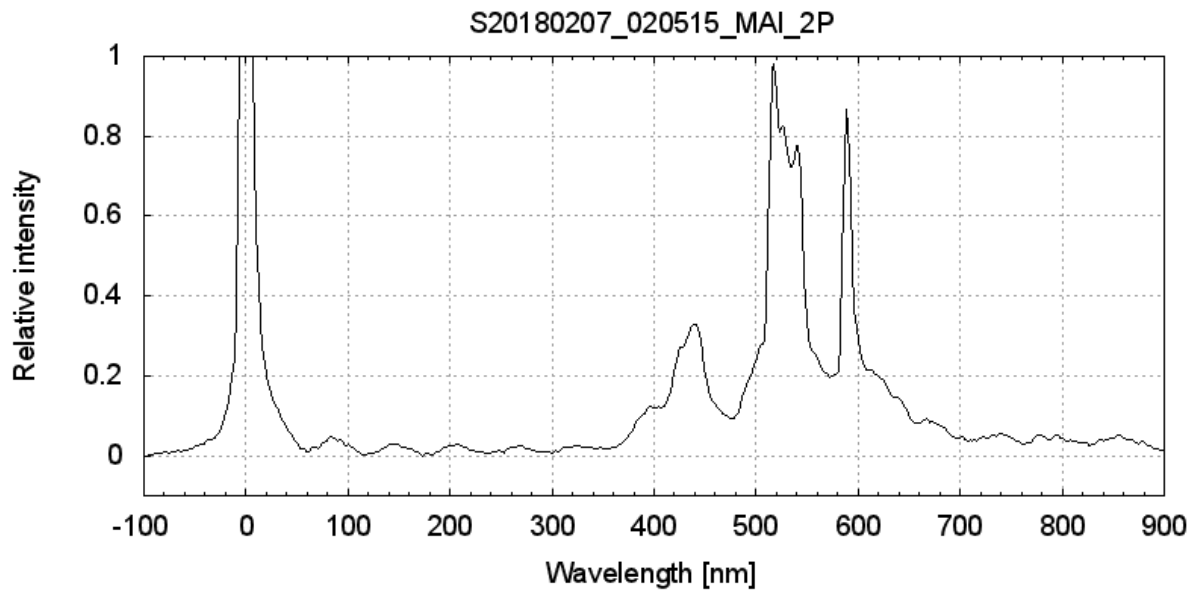
Only images 51 ...136 added
Larger spectral range:

```
>reindex d11_mb rr 51 1 90
>offset2 rr rro -2 90
>load rro1
>register rro rrr 90
>add2 rrr 86
>save add2rro86
>savejpg add2rro86 2
>visu 7000 0
>l_add 221 229
>l_plot
```

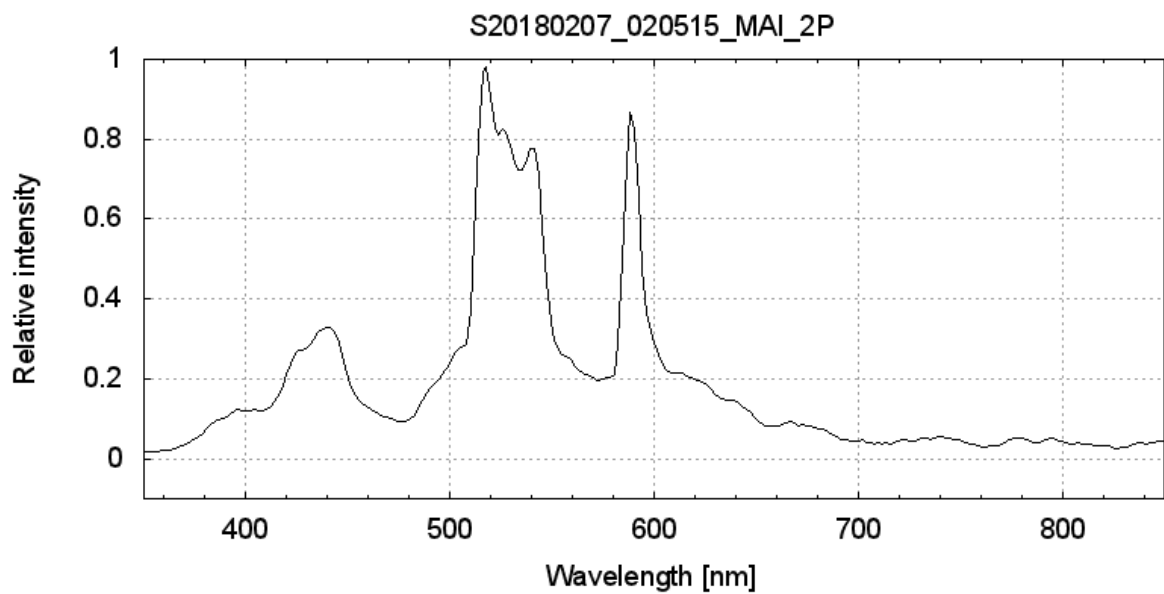
Calibration with SpectraTools



Full range:



1st order spectrum:



Strong iron lines

Resolution reduced by scattered light from fog!