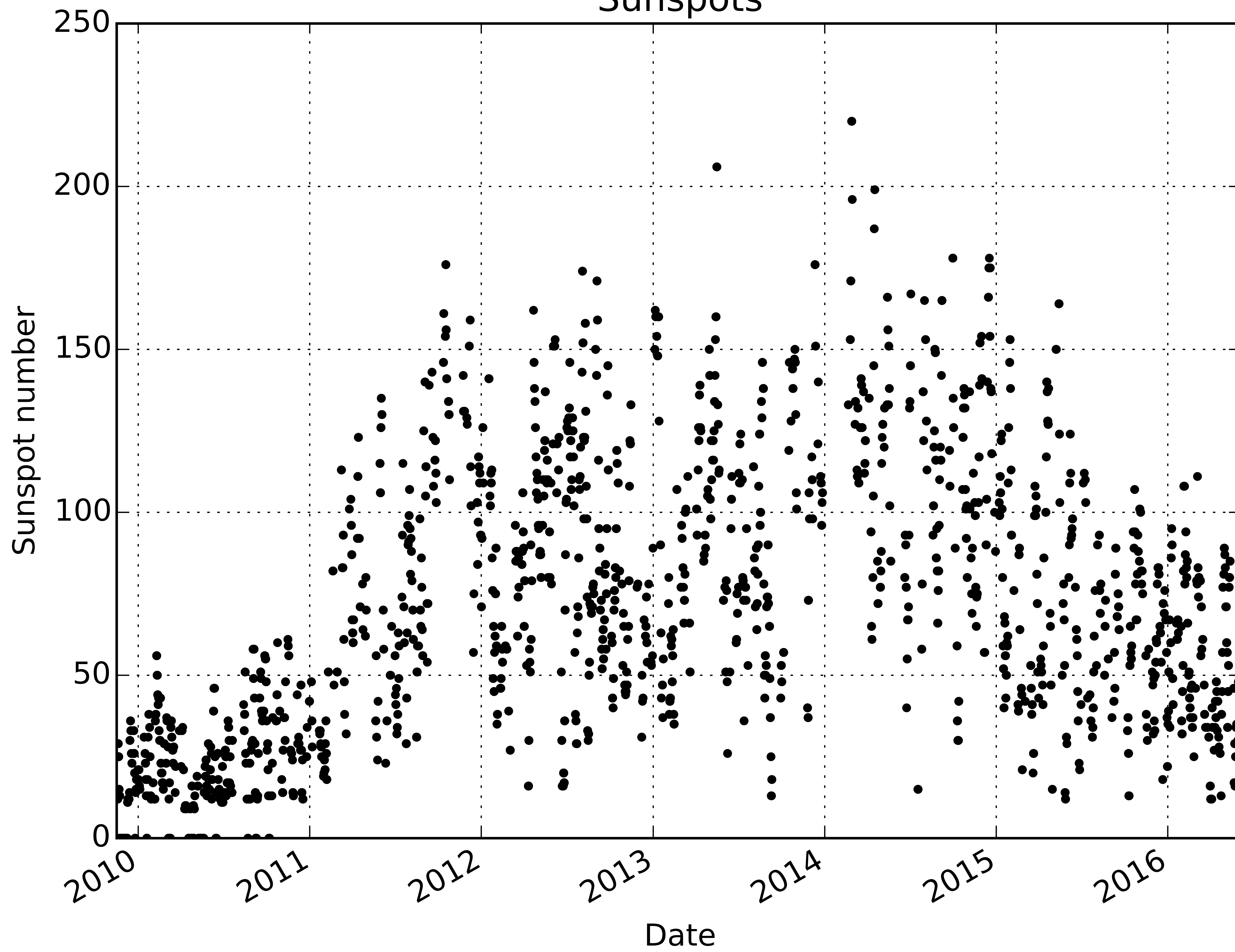


# Other Fun Stuff

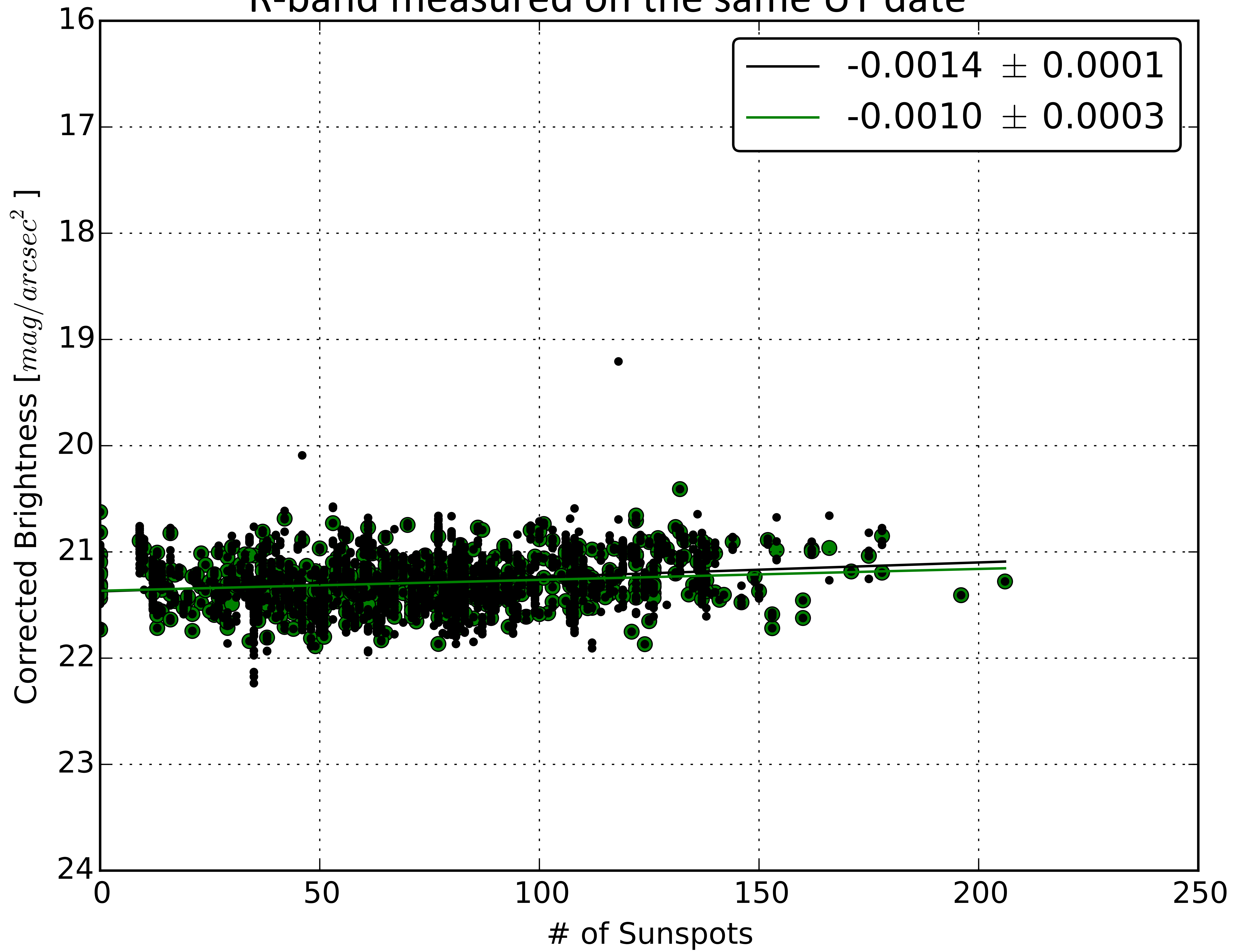
- Explore seasonal signature
- Looking for correlations with sun spots
- K-band thermal component correlation with ambient temperature
- Zodiacal Light



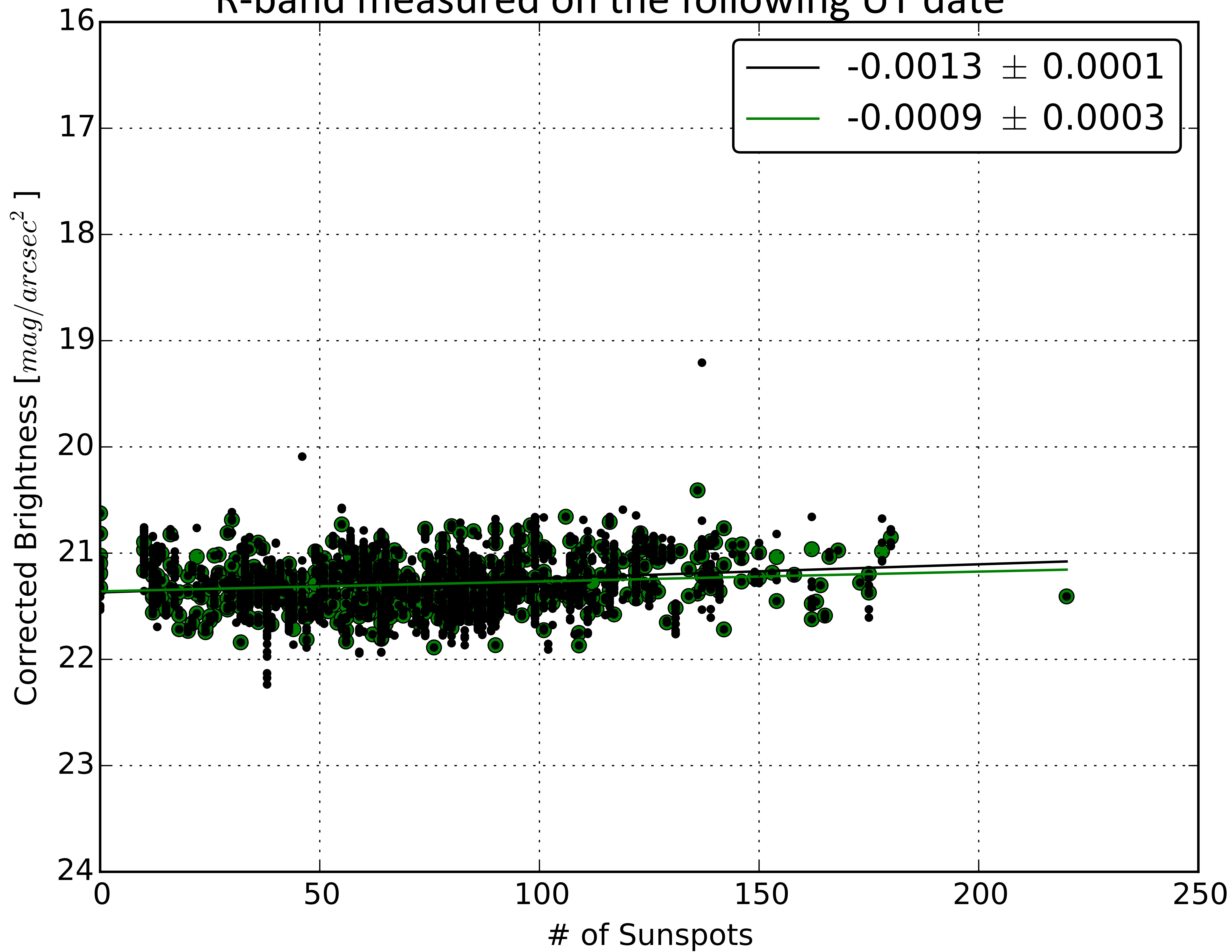
# Sunspots



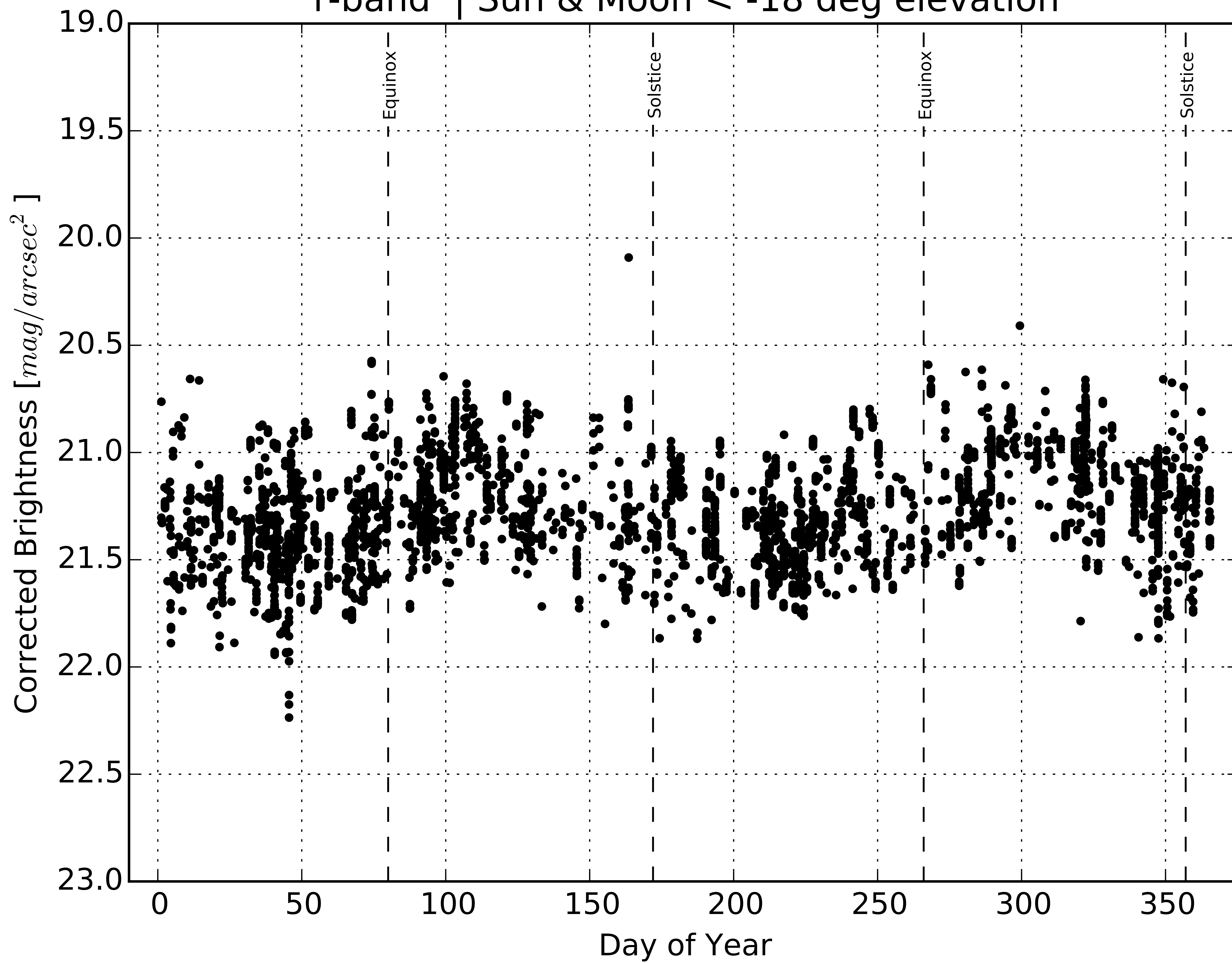
R-band measured on the same UT date

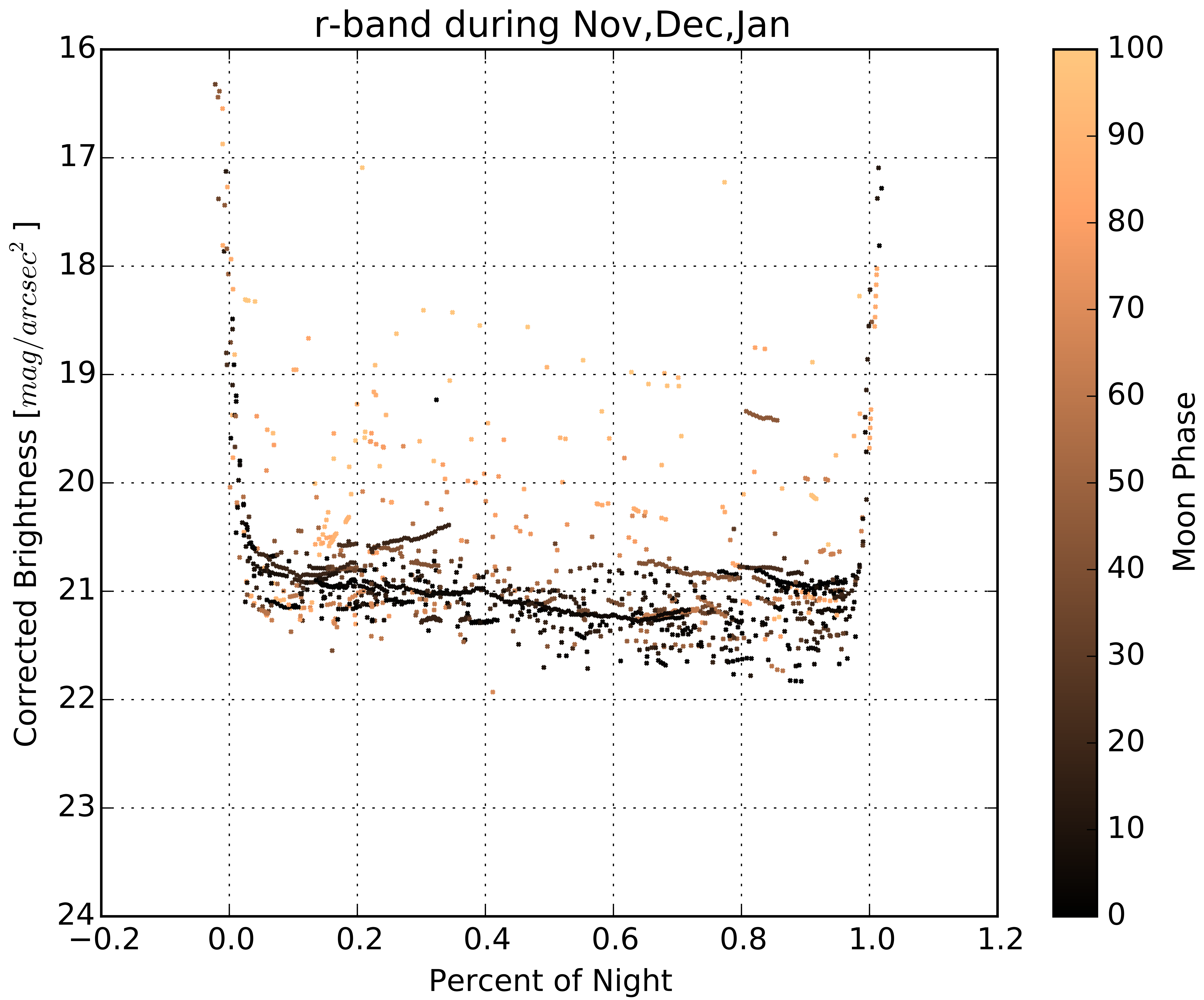


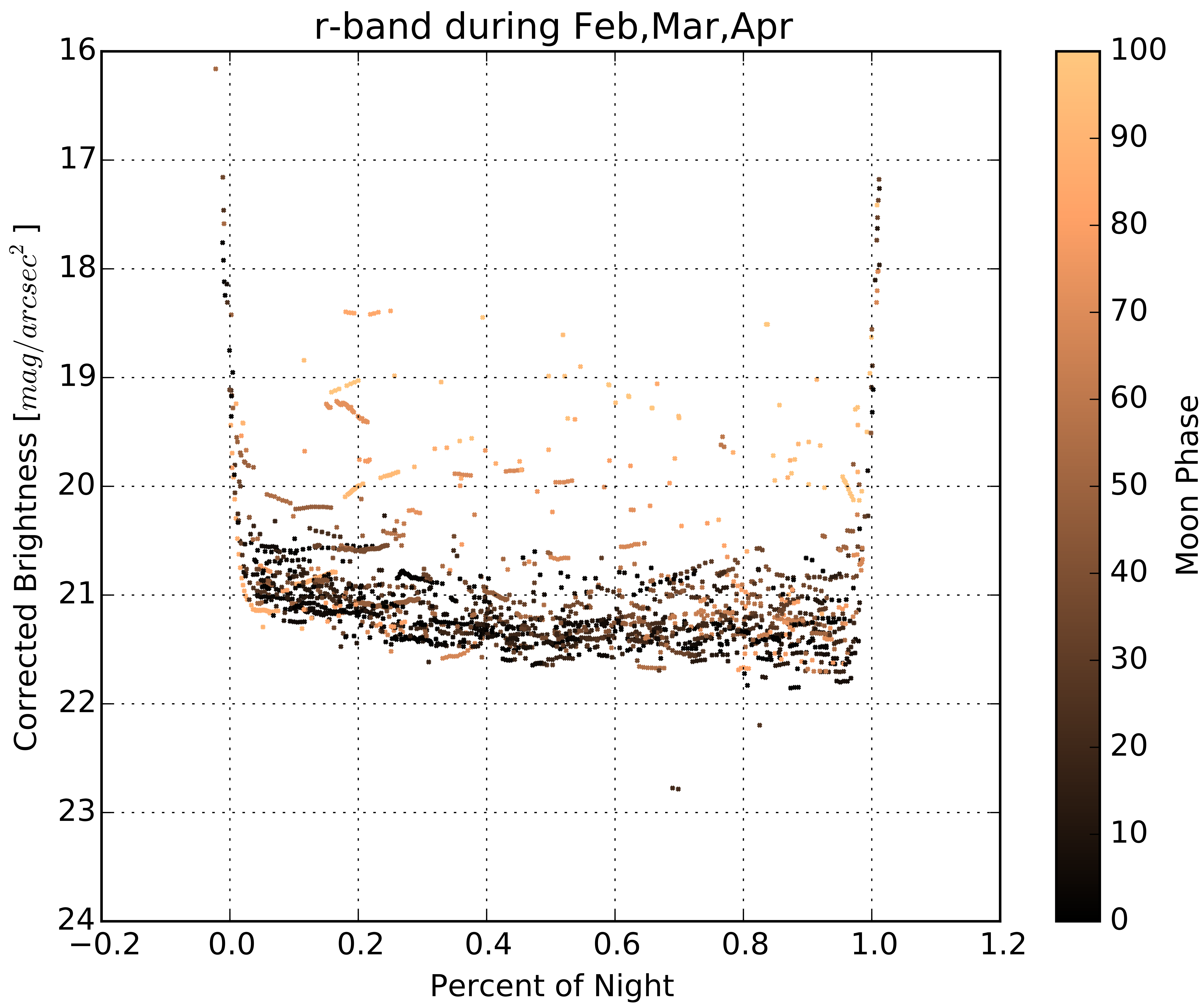
R-band measured on the following UT date

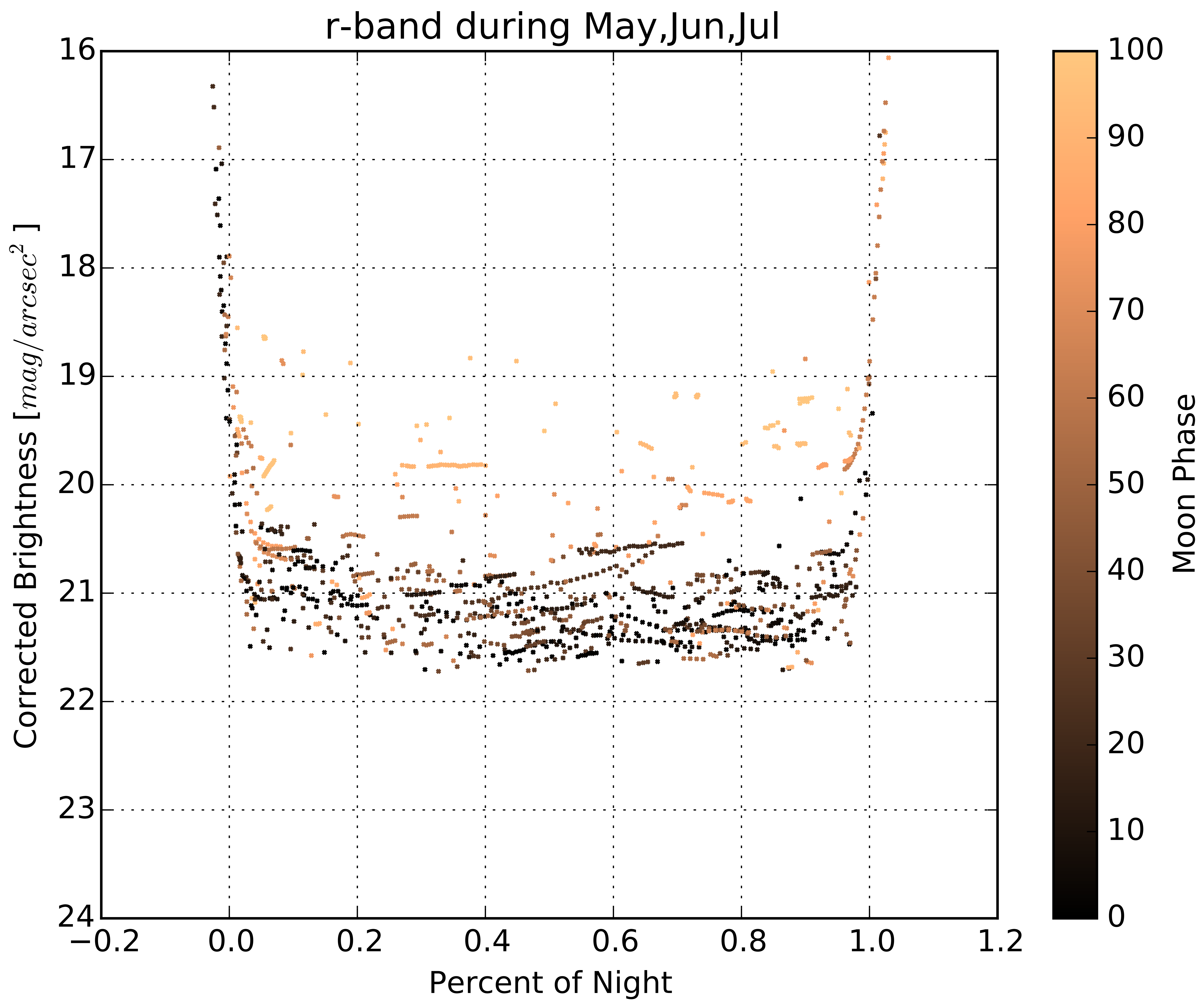


r-band | Sun & Moon < -18 deg elevation

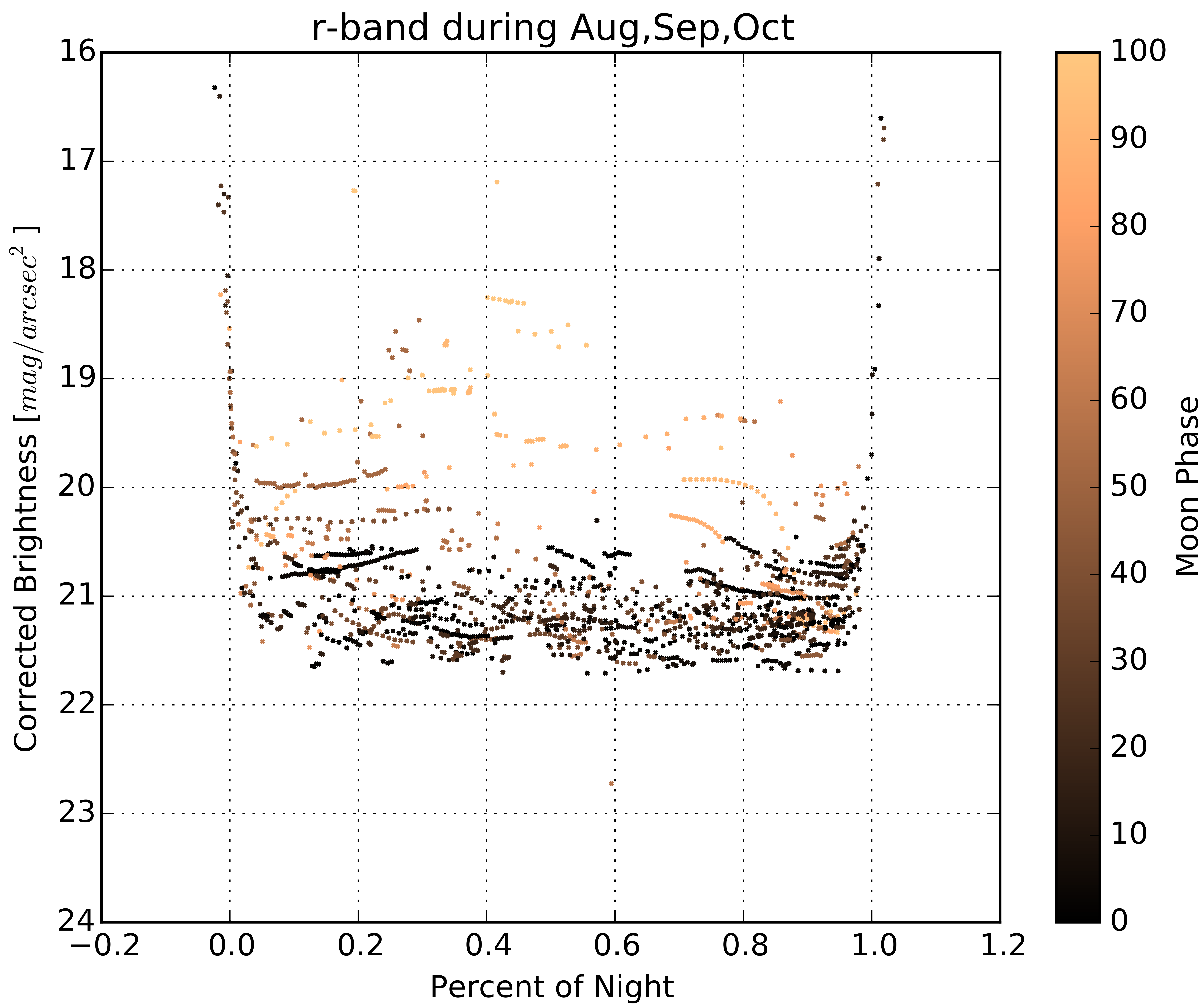




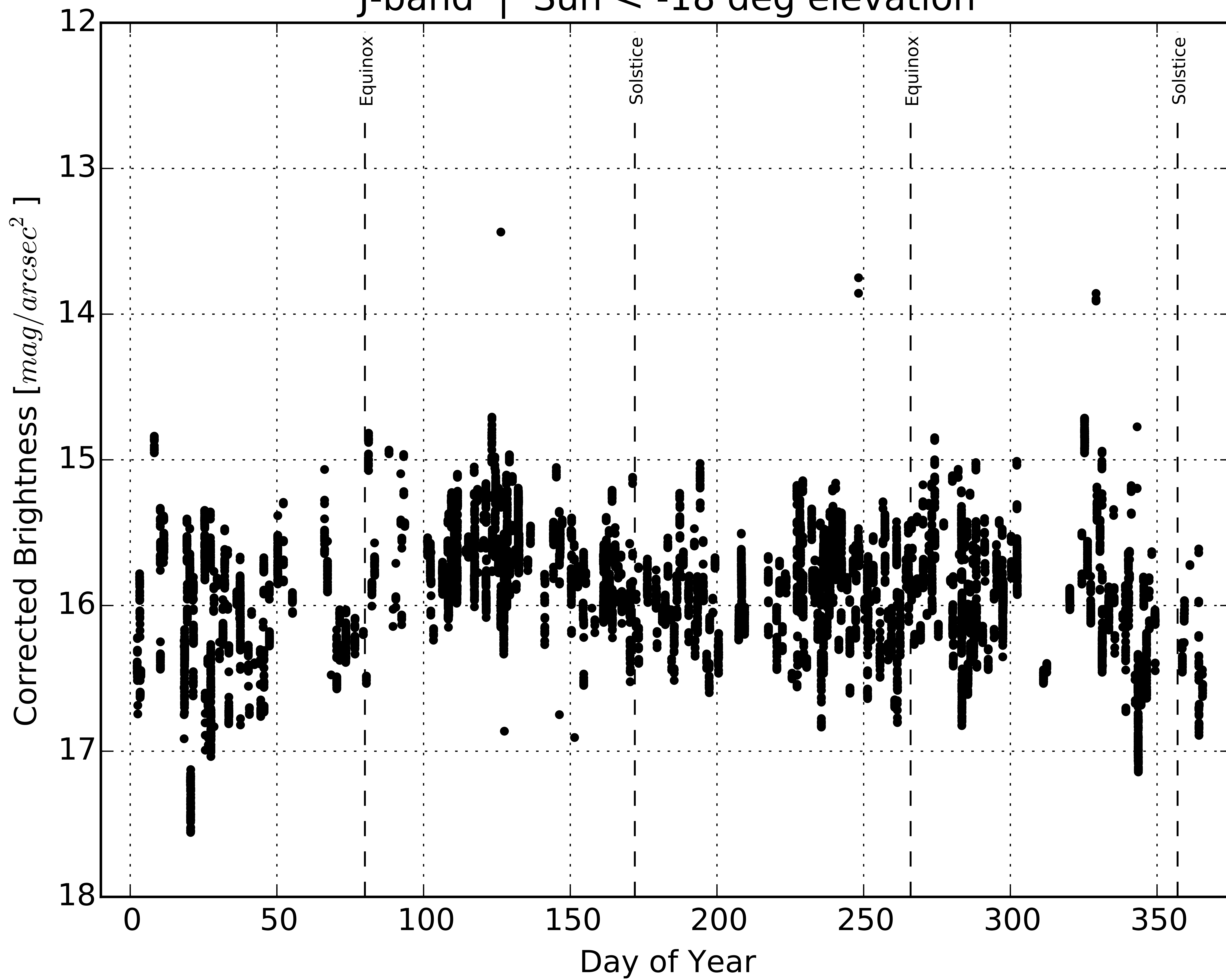




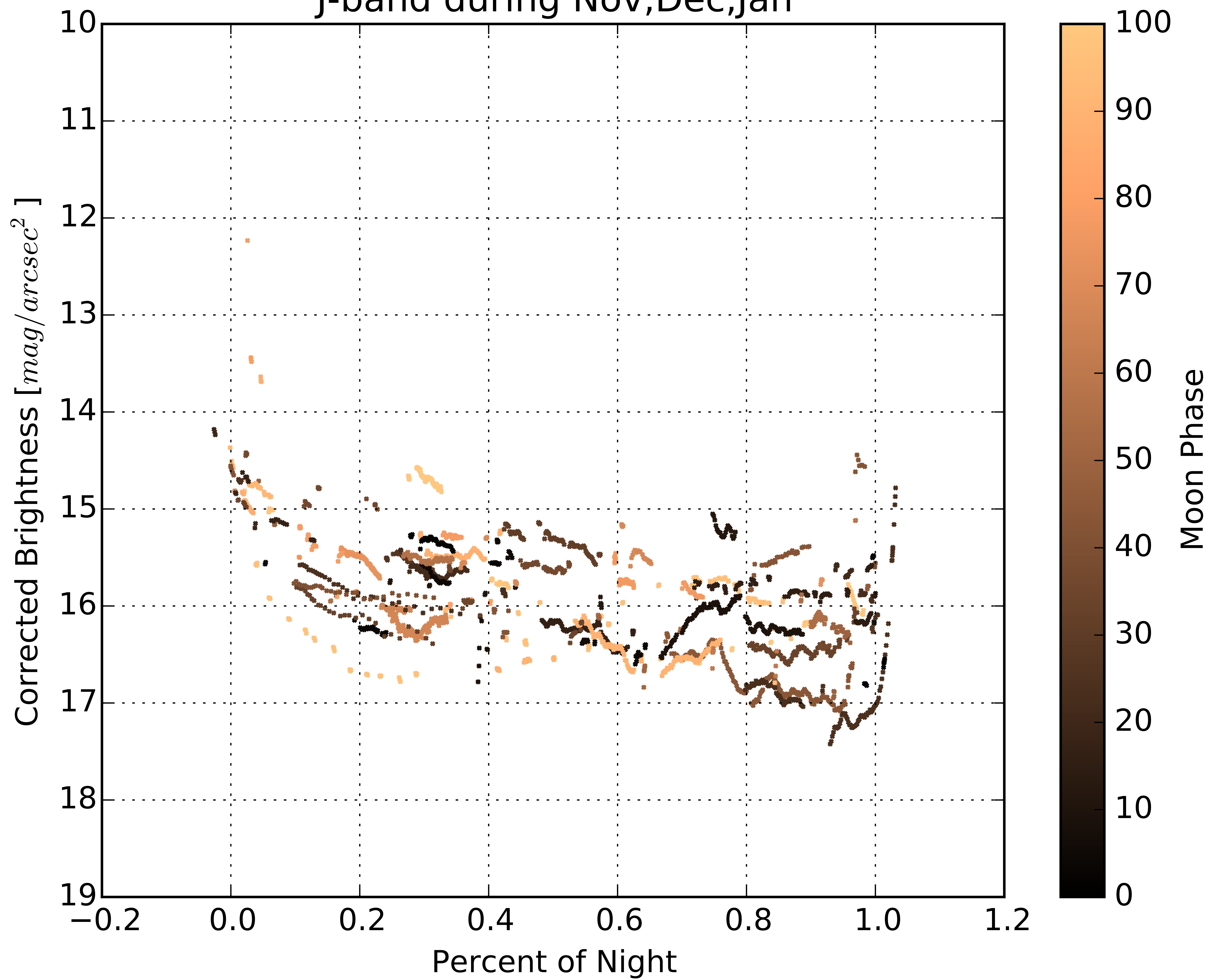


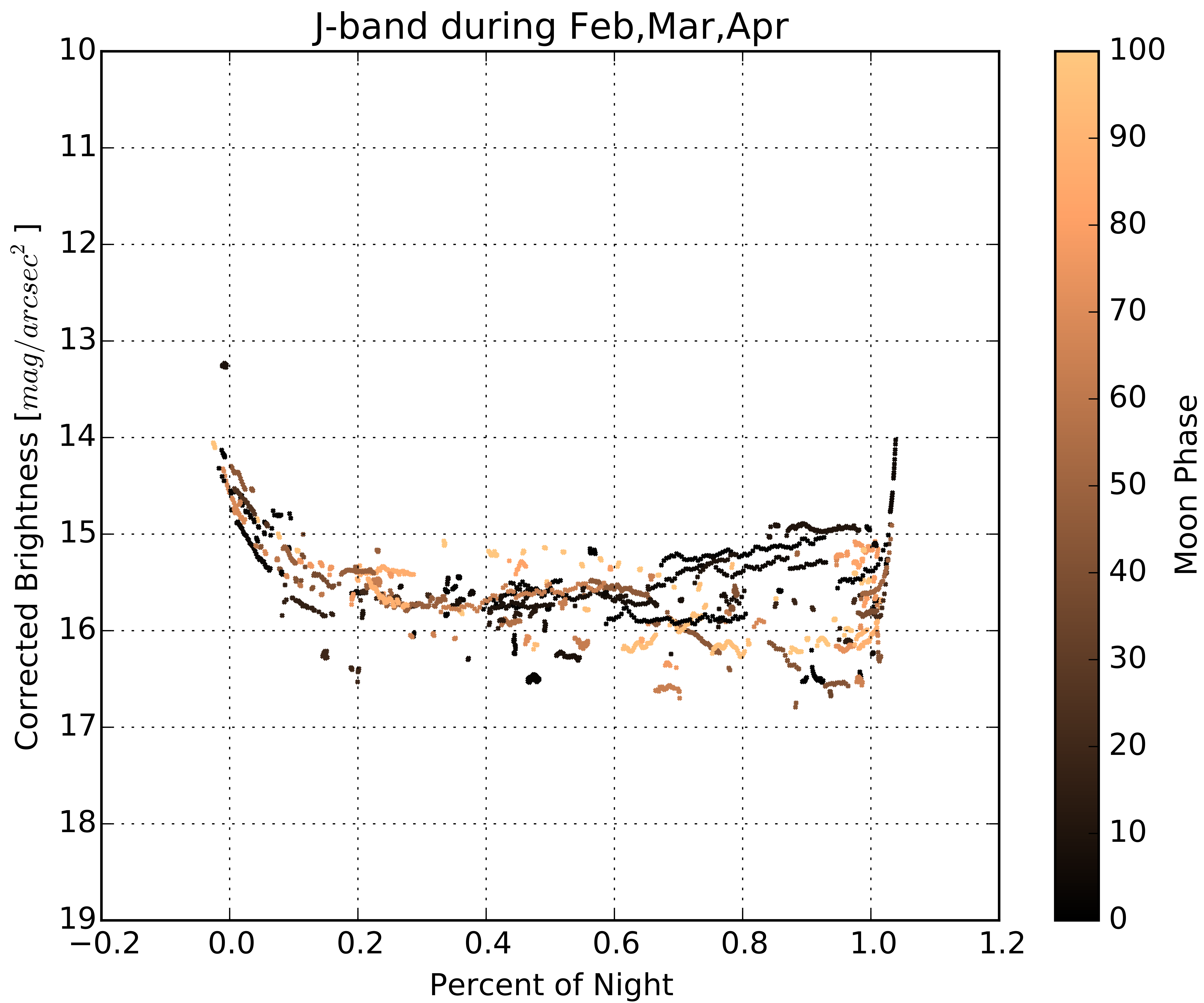


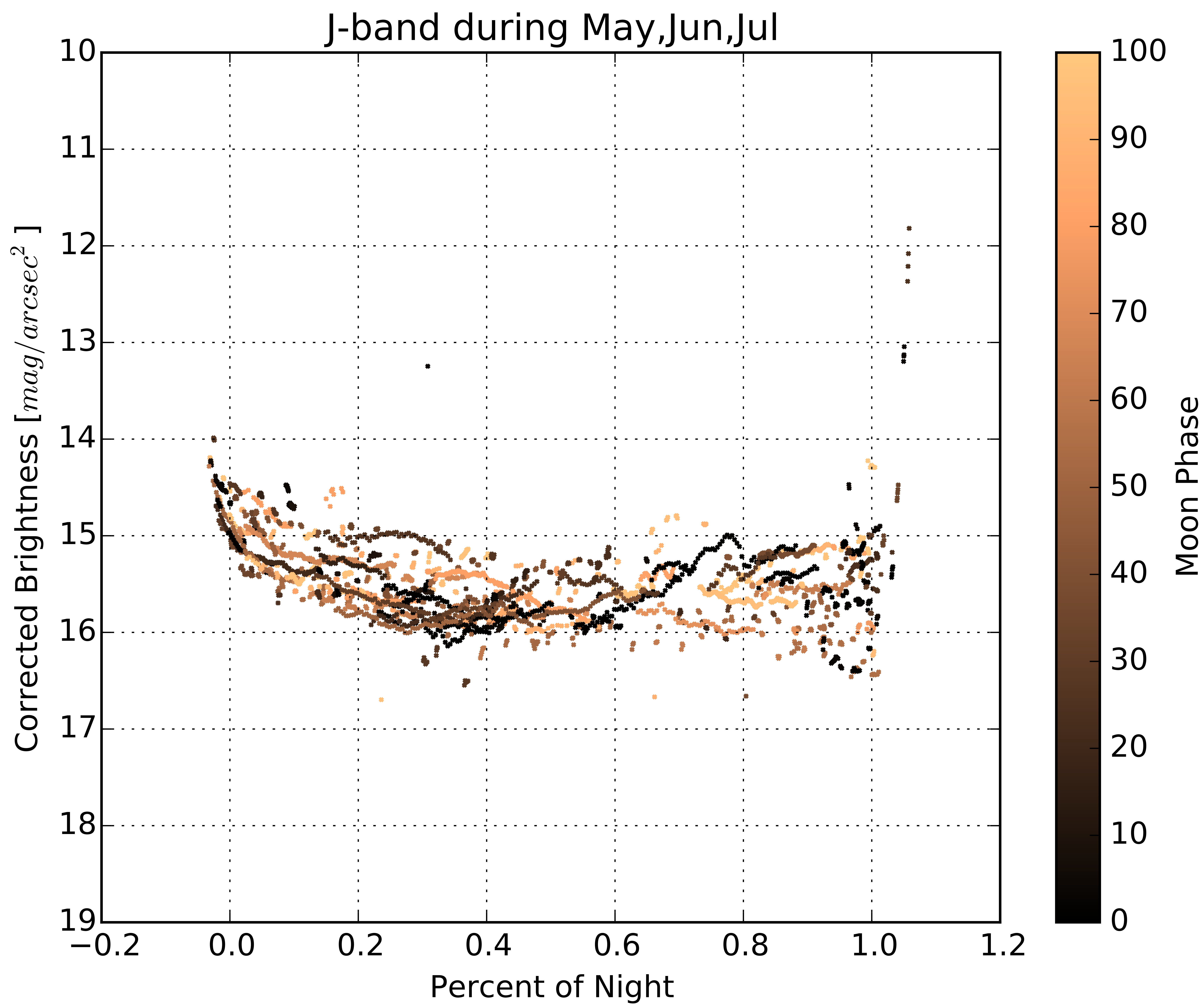
J-band | Sun < -18 deg elevation

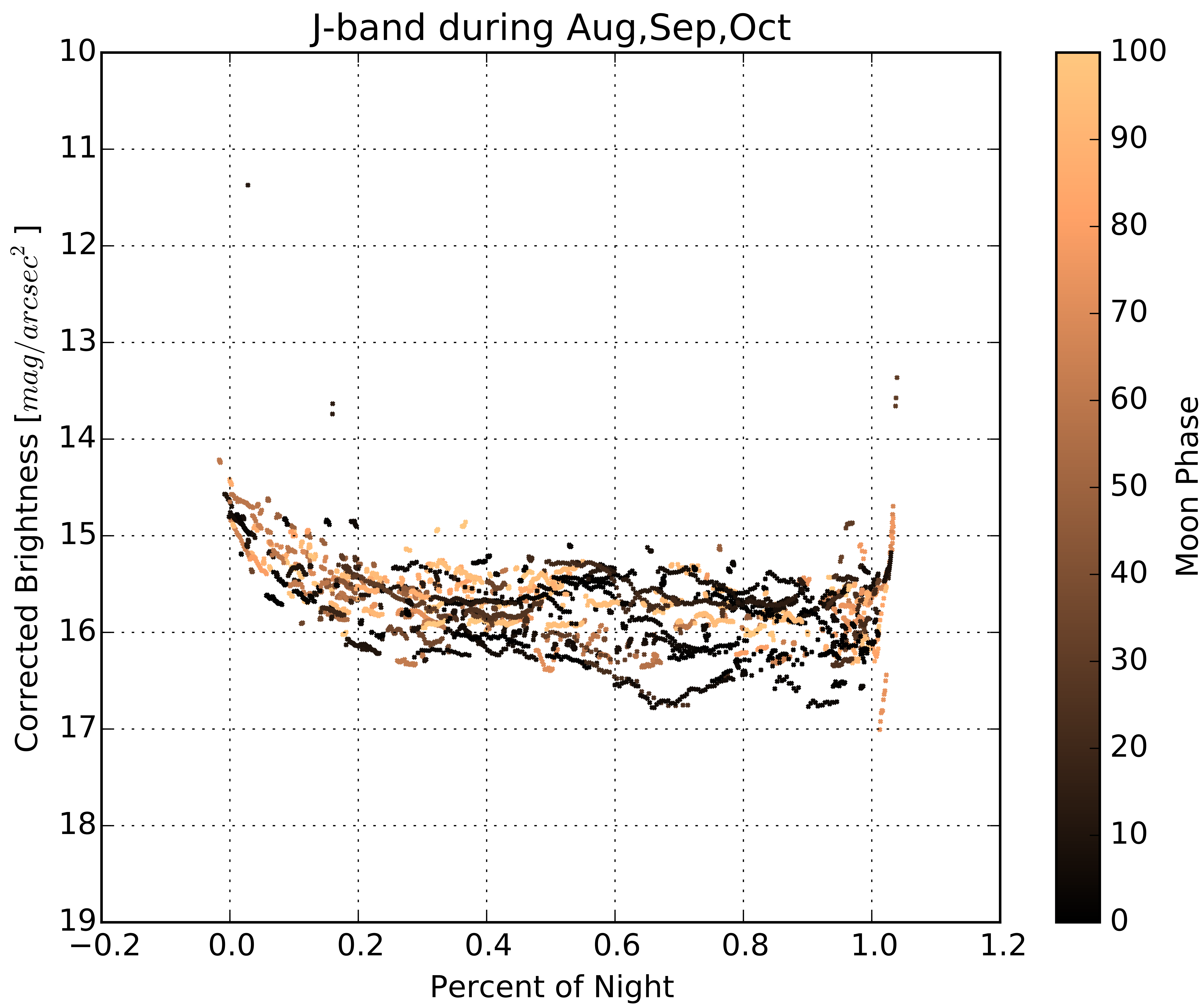


J-band during Nov,Dec,Jan

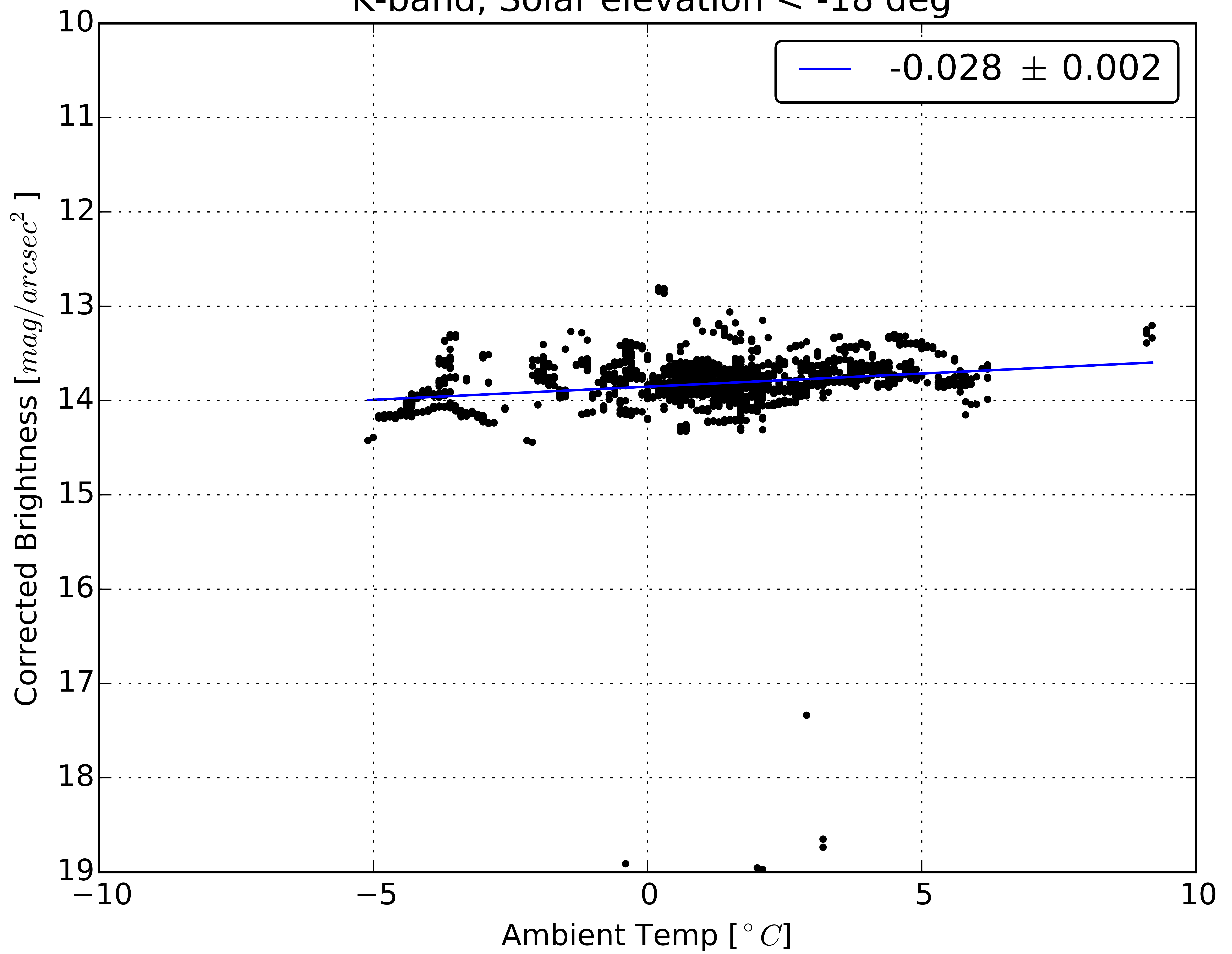


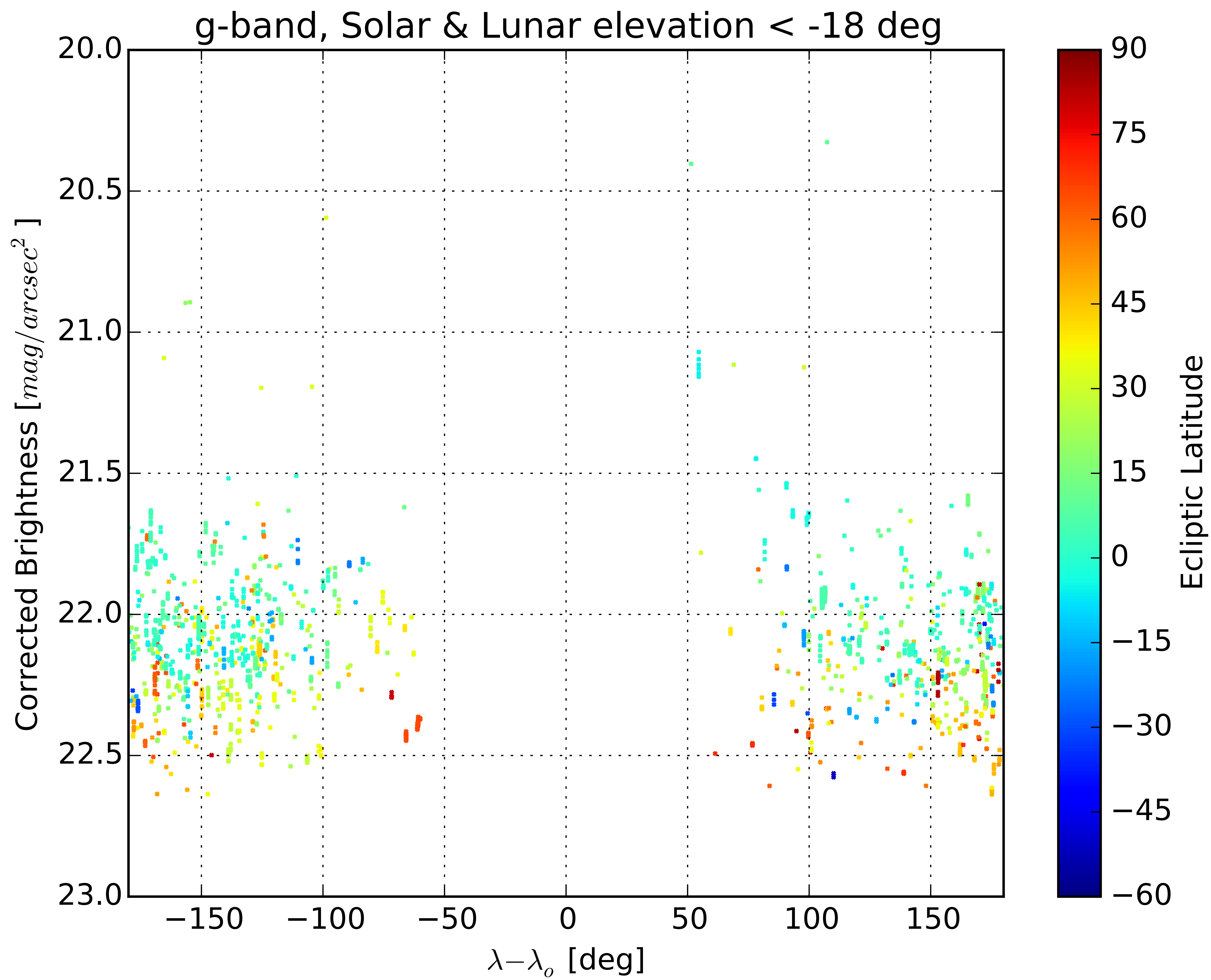




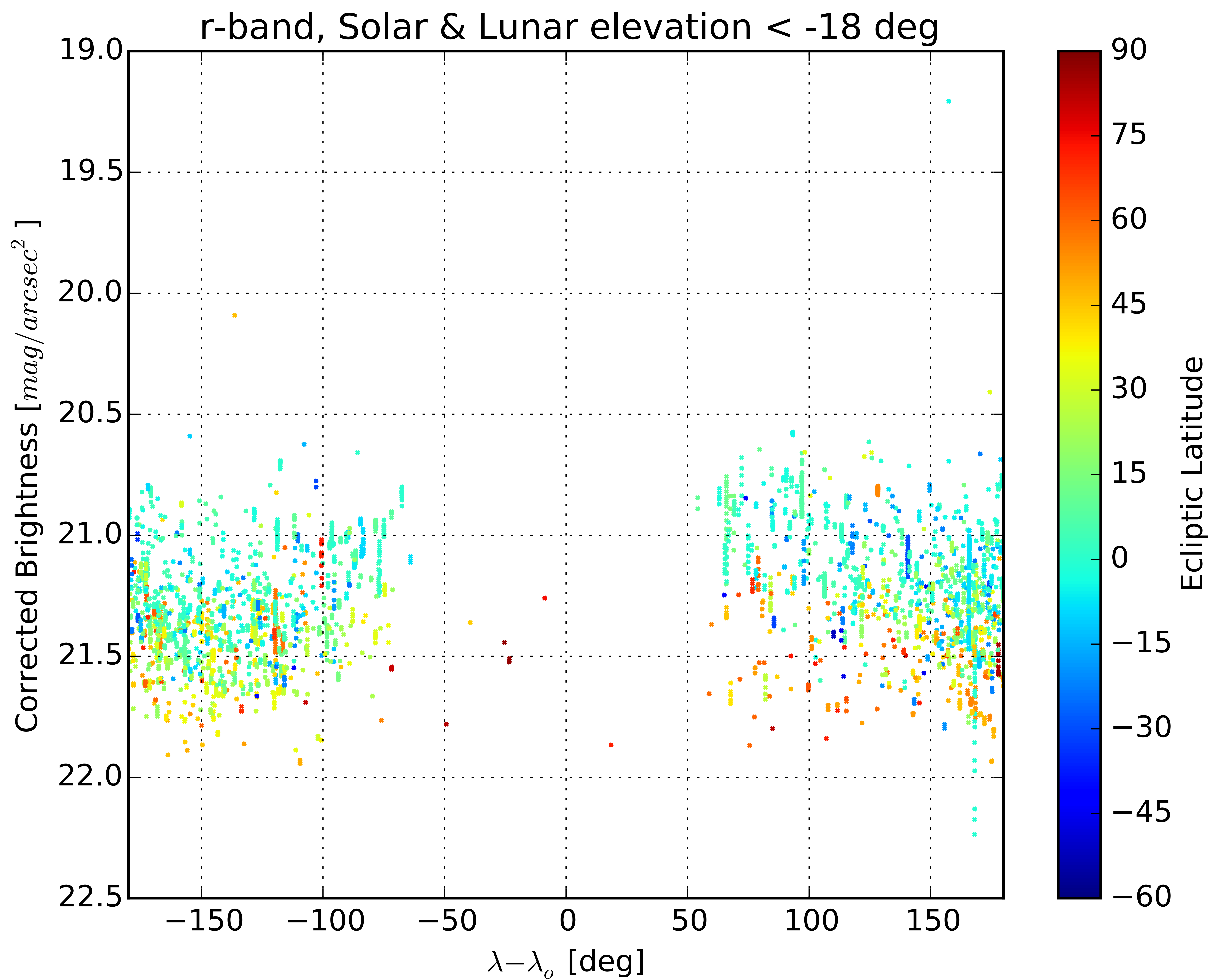


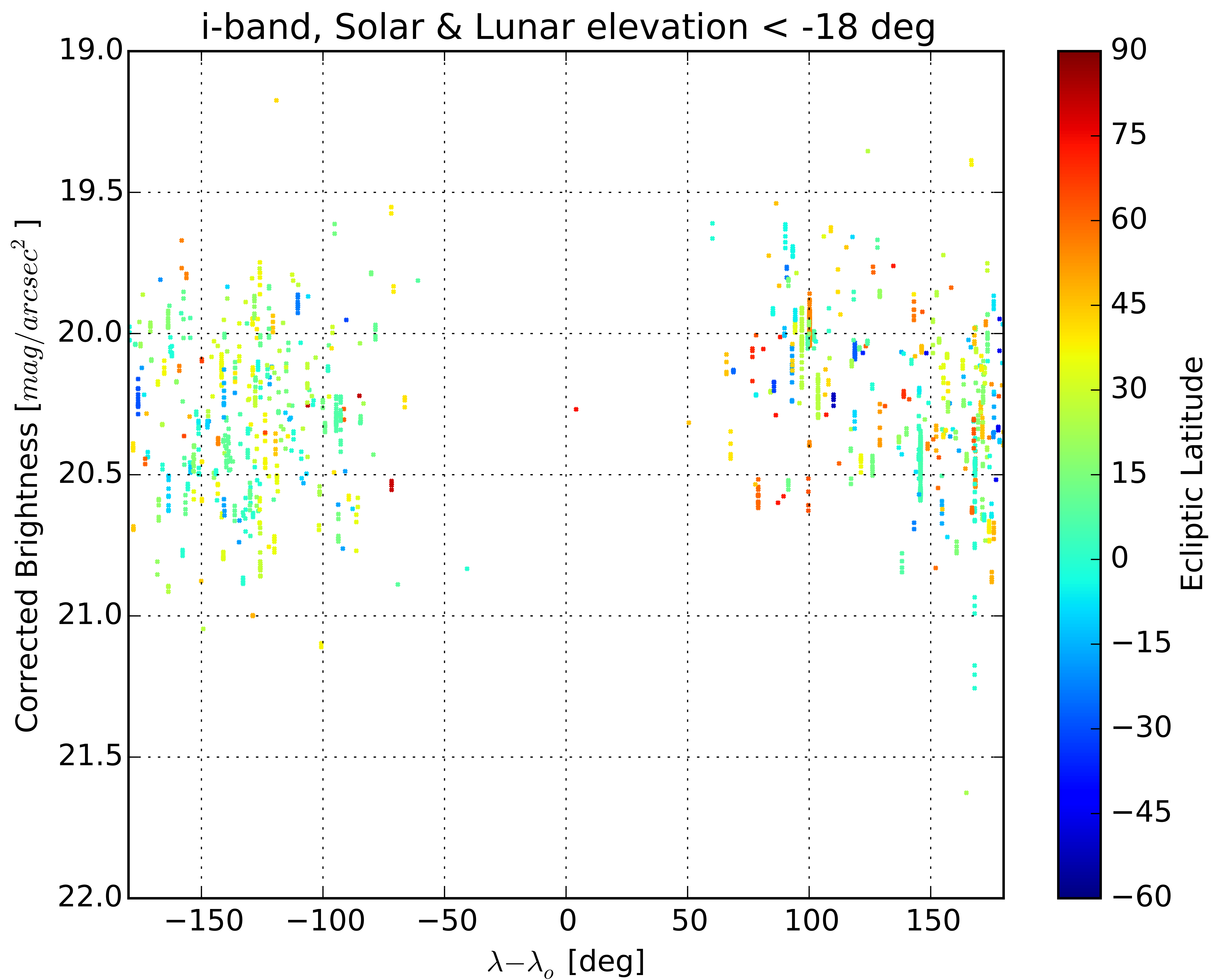
K-band, Solar elevation < -18 deg

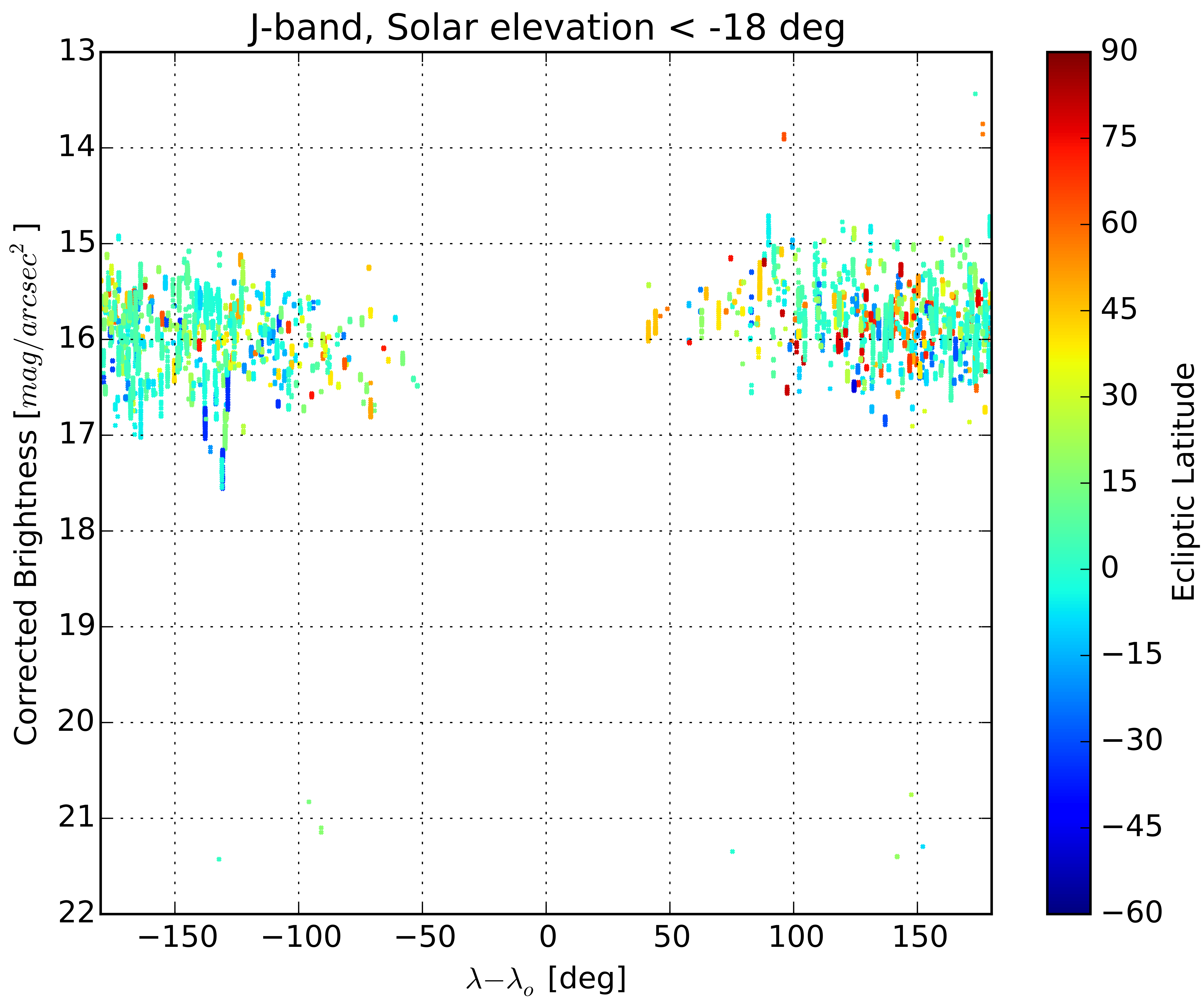












# Preliminary Conclusions

- r, i, z, J, H and maybe Y band sky background values decrease during the first several hours of the night before reaching their darkest values
- There may be a seasonal dependence on this decay especially in the optical – under investigation
- The observing constraints and ITC underestimate the background level in J and K