



Michigan Aurora Chasers

Presents:

Photos and Videos and Timelapses, Oh My!!

by

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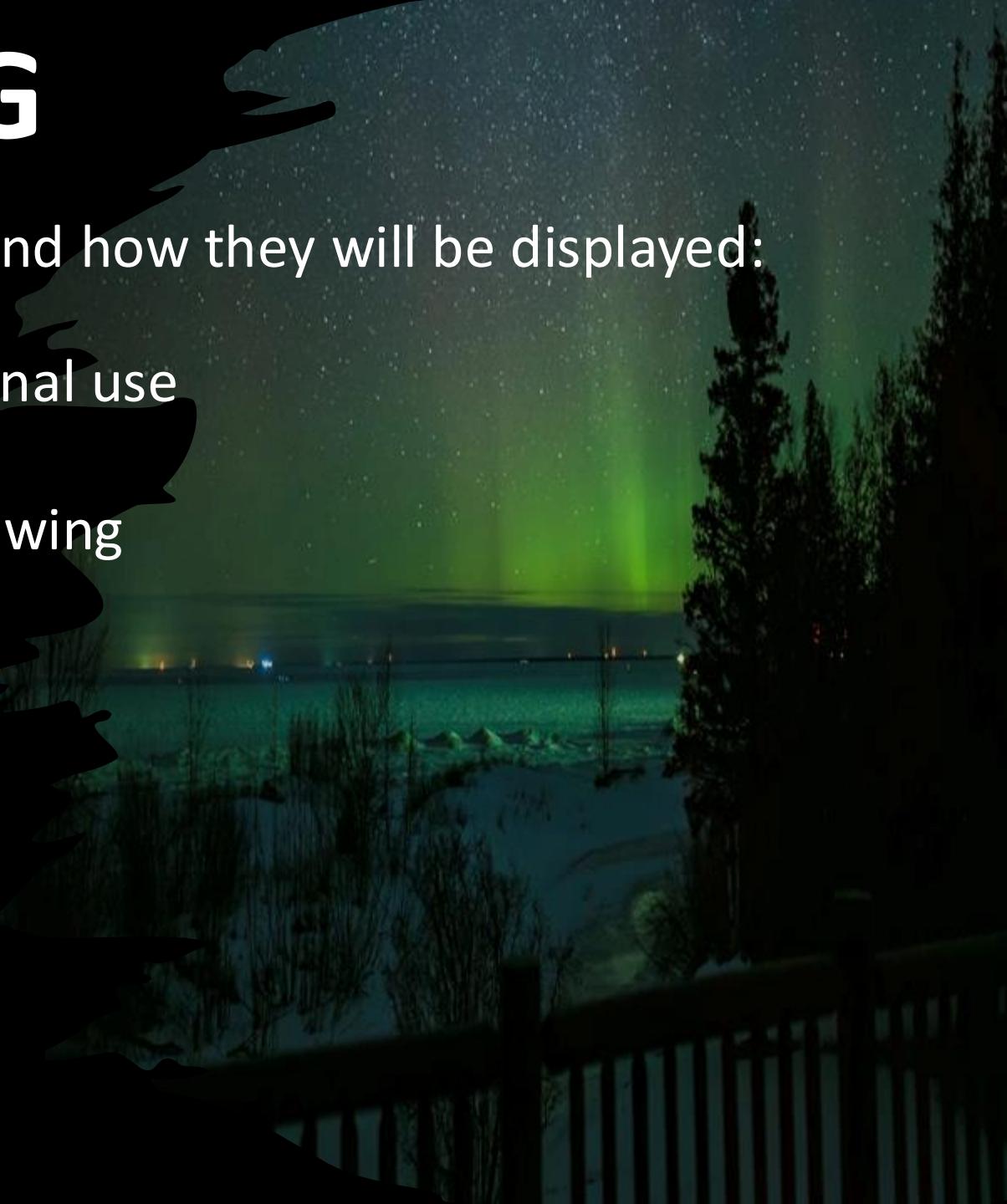
HOUSE KEEPING - WELCOME

- Unless otherwise stated we are talking about Long Exposure photography
- This presentation will be located in the Guides and Files Sections of our Facebook page. - Only available to members of Michigan Aurora Chasers
- **There is an exception for every rule**, but we will provide you best practices that will help maximize your chance for success with your aurora chase!

PHOTOS: PLANNING

Know what you want to do with pictures and how they will be displayed:

- Spontaneity, test shot, or personal use
- Small/Large prints or screen viewing
- Commercial Use
- Videos
- Timelapse



CELL PHONES

Specifically talking iPhone but applies to Android as well

Cell phones are not the first choice for capturing auroras if you plan to do anything other than the first bulleted items listed prior or small prints

DISADVANTAGES

- Comparatively small sensors for gathering light
- Software restrictions
- Post editing can improve your images only to a certain point
- Getting better fast, and with new apps that help!**

CELL PHONE ADVANTAGES

- Almost always with you
- Compact
- Multi-purpose Use
- Economical
- Waterproof so allows for interesting compositions
- With enough light and skills you can take pictures that rival cameras
- When you do not need to travel far to your viewing area,** the best app for auroras and conditions is stepping outside and using your own eyes and taking test shots with your camera!
- Ultimately, if you want something more than small screen viewing/prints and/or this is a hobby you wish to pursue long term: purchase a camera.

CELL PHONE NIGHT MODE FUNCTION

Find complete guides here :

iPhones :



Android:



VIDEO

Hard to do on a cell phone unless extremely bright and close...

Other options outside of high end dedicated video cameras:

- Security Cameras

Recommend Wyze Cam v4

- Action Cameras: GoPro

SECURITY CAMERAS

Wyze Cam V4

Photos

Video

Timelapses

Shoots in 2.5 K HDR video

Low light capable but for best images still need a solid light source

Easy to use and set up



ACTION CAMERAS

GoPRO 12 on up

Photos

Video

Timelapses/Nightlapses

Shoots in 5.7K HDR video

Low light capable but for best images need a solid light source

Fairly easy to use and set up but need external battery pack



SETTINGS

WYZE CAM V4

- Turn off IR Lights
- Turn off Night Vision Mode
- 3 Sec Timelapse interval keep under 7 hours if possible
- Continuous recording to SD Card option selected

SETTINGS

GoPro

- 4k Resolution
- Video or Photo
- Video 1600 iso, a photo 1600 iso but try 800 iso if you can
- 30 sec exposure if weak display
15 to 20 for strong

More info on Youtube



Interval	Auto >
Format	Night Lapse Video >
Shutter	20 Seconds >
Duration	No Limit >
Scheduled Capture	Off >
Timer	3s >
PROTUNE	
Bit Rate	High >
ISO Min	1600 >
ISO Max	1600 >
White Balance	4000K >

TIMELAPSSES

GAME CHANGER!!!!!!

A Intervalometer for your iPhone to use in Night Mode

LumiLapse



Star Stacker App



EDITTING APPS

CapCut for Video



Native iPhone editing tool



Photoshop & Lghtroom Mobile

EQUIPMENT

Batteries - cold affects battery life

- Have a back up power supply

Tripod

- For best picture use a tripod with cell phone mount!
- Stance when without tripod
 - Elbows locked into side
 - Hold your breath or slowly exhale
 - Do not want to see the cross hairs on the screen
- Bracing against a sturdy object
- Short edge not long edge of phone to prop against a sturdy object



MISCELLANEOUS

Finding information on FaceBook page: Michigan Aurora Chasers

- #MiAuroraguides
- #MiAuroracameratips
- See Guides section at top of our page
- Only available to members of Michigan Aurora Chasers BUT free to join...

