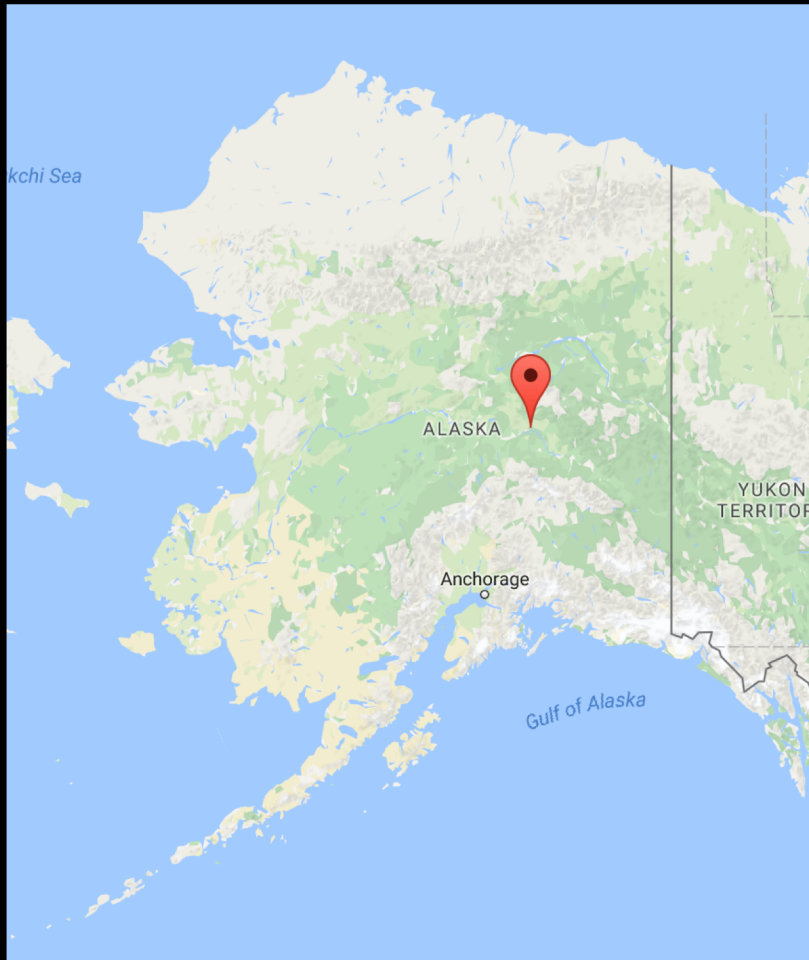




Capturing the Aurora Borealis

Nico Carver

First Encounter



- **August 22, 2007**
- **Fairbanks, Alaska
(65°N Latitude)**
- **½ hour observation**
- **Wasn't complete
darkness, but close**
- **Got me hooked**

Iceland Trip, (64°N), December 2014

Stayed in:

- Reykjavik
- Höfn



Two biggest expenses:

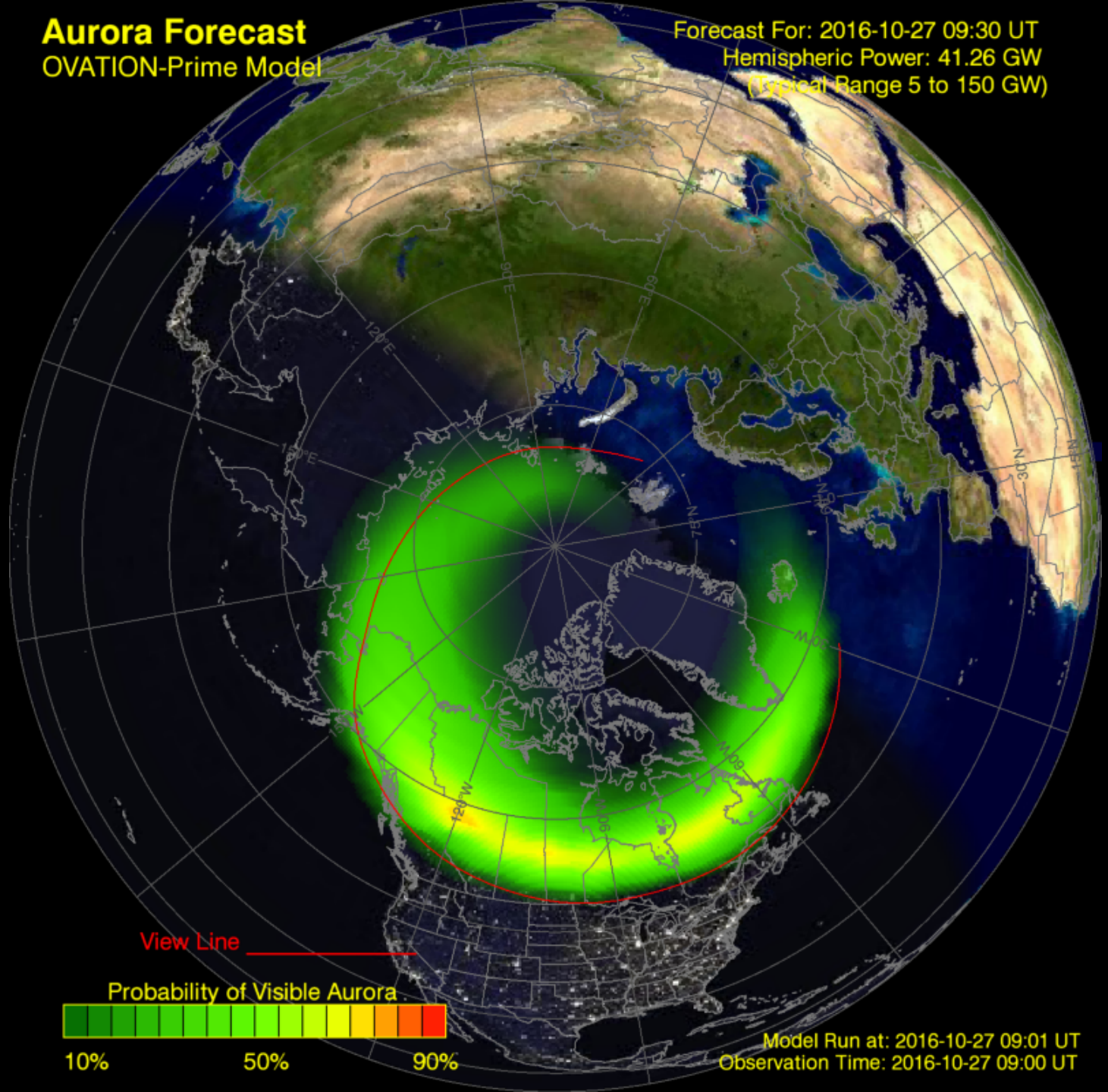
- Airfare/Lodging bundle (Iceland Air)
- Rented a SUV for the week

Primary Goal: Photography and Aurora

Aurora Forecast

OVATION-Prime Model

Forecast For: 2016-10-27 09:30 UT
Hemispheric Power: 41.26 GW
(Typical Range 5 to 150 GW)



View Line

Probability of Visible Aurora

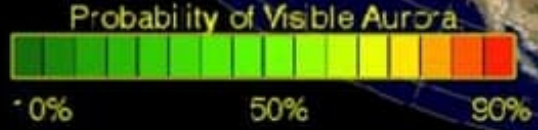
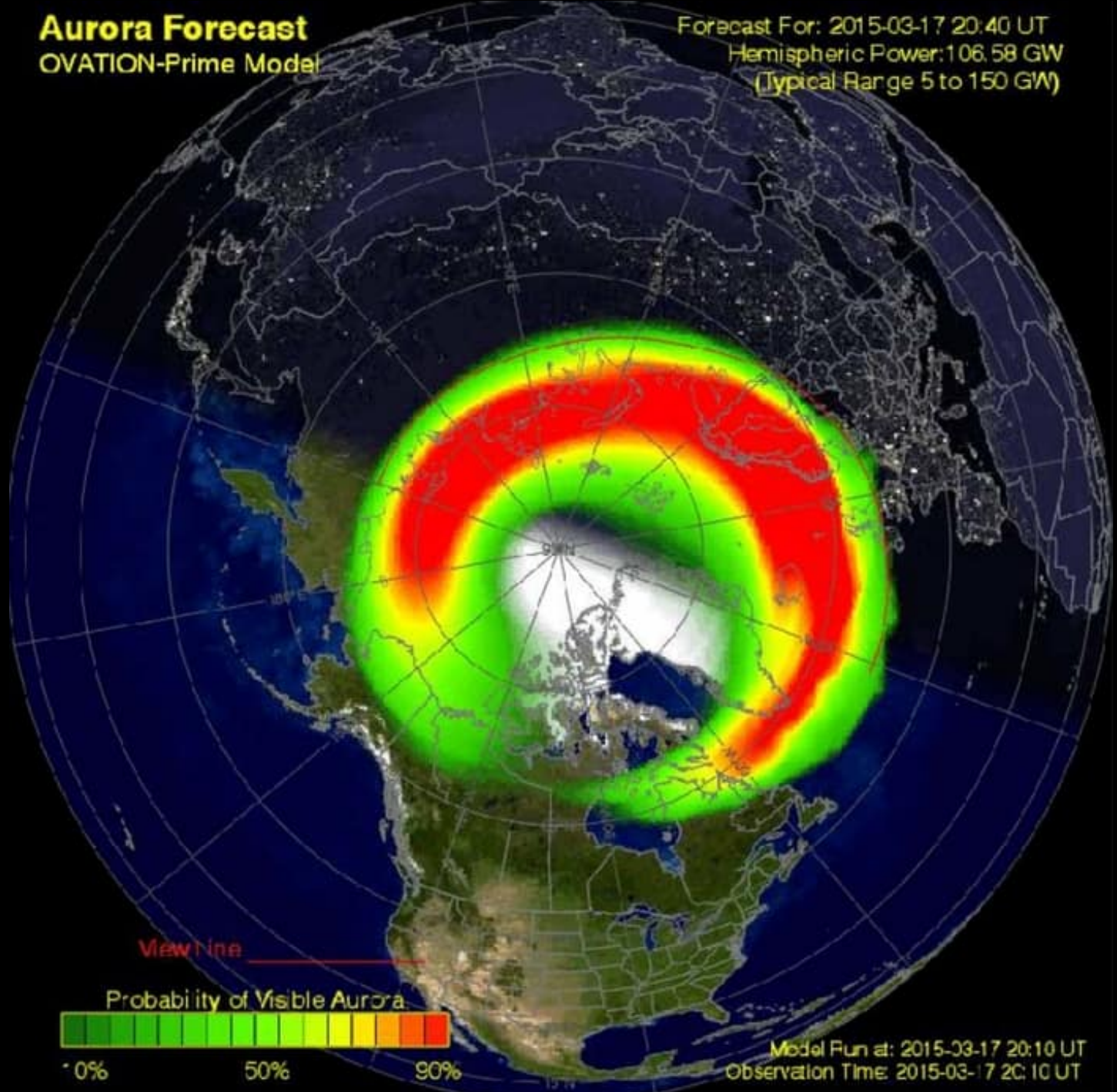


10% 50% 90%

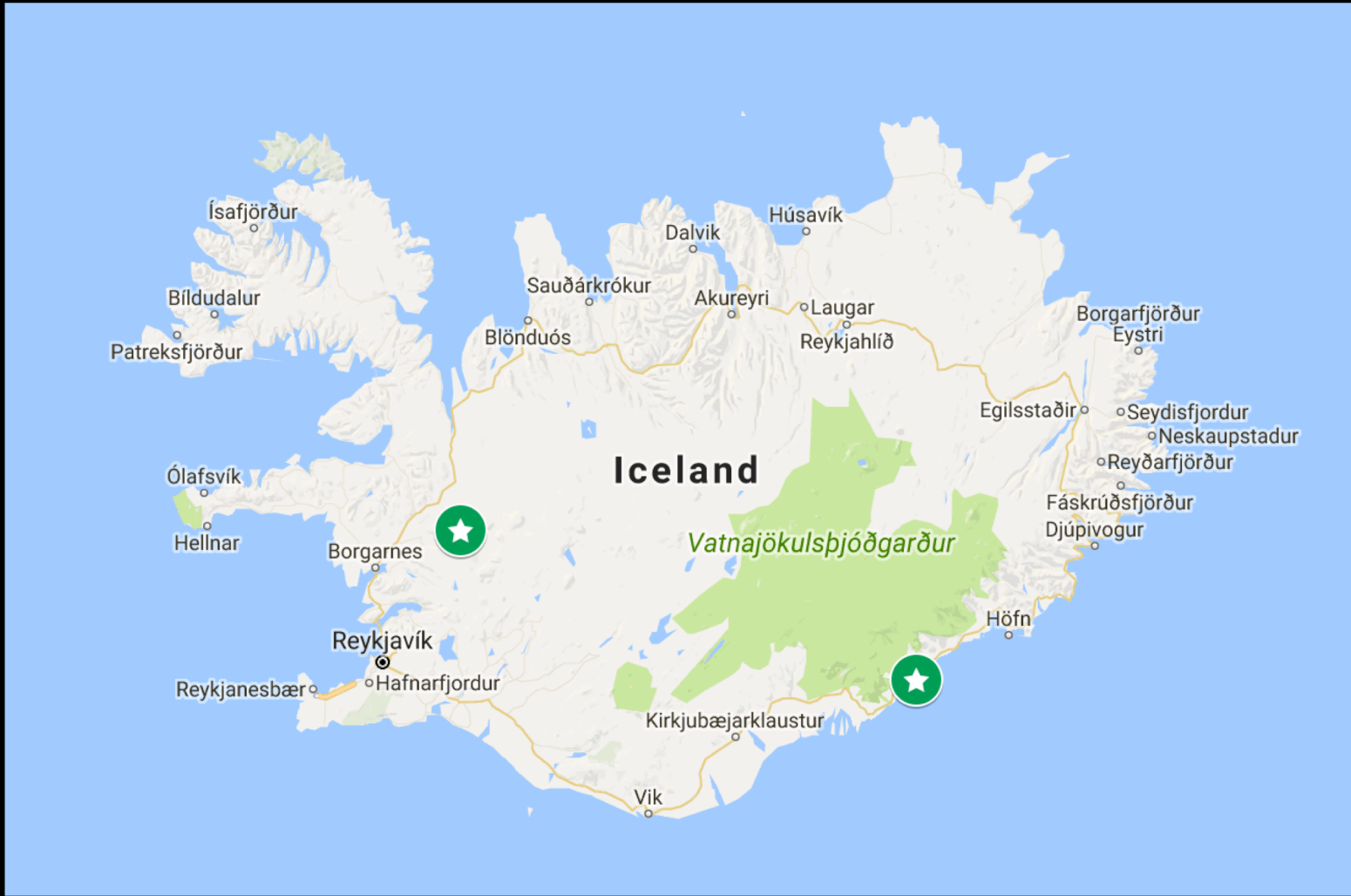
Model Run at: 2016-10-27 09:01 UT
Observation Time: 2016-10-27 09:00 UT

Aurora Forecast
OVATION-Prime Model

Forecast For: 2015-03-17 20:40 UT
Hemispheric Power: 106.58 GW
(Typical Range 5 to 150 GW)



Model Run at: 2015-03-17 20:10 UT
Observation Time: 2015-03-17 20:10 UT



Ísafjörður
Bíldudalur
Patreksfjörður

Sauðárkrókur
Blönduós
Dalvík
Akureyri
Húsavík
Laugar
Reykjahlíð

Borgarfjörður
Eystri

Ólafsvík
Hellnar

Borgarnes

Iceland

Vatnajökulsþjóðgarður

Egilsstaðir
Seydisfjörður
Neskaupstaður
Reyðarfjörður
Fáskrúðsfjörður
Djúpivogur

Reykjavík
Reykjanesbær
Hafnarfjörður

Kirkjubæjarklaustur

Höfn

Vík

Hali Country Hotel



Daytime Photography



Gear

- Canon 5Dmk3 (DSLR)
- Rokinon 35mm f/1.4
- Rokinon 14mm f/2.8
- Canon 70-300mm f/4-5.6
- Manfrotto Tripod
- Syrp Genie + Slider (for timelapse)

Technique

- Manual focus
- Aperture close to wide open
- Start at 10 second exposures and move up until stars start to trail
- ISO 1600 (or higher)
- Automate taking photos with an intervalometer.



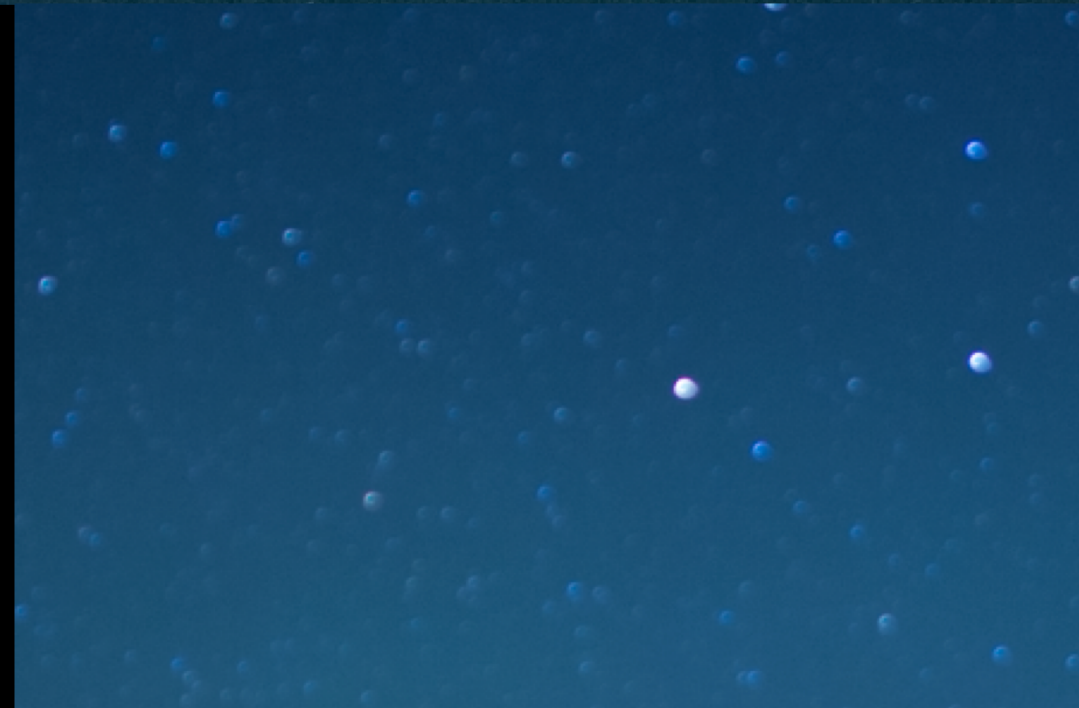
20 seconds



15 seconds



In Focus



Out of Focus











