

**2019 RECON Team Meeting**  
**Lake Mead, Nevada, February 28-March 3, 2019**  
**Meeting held at Lake Mead Water Safety Center**

***RECON Orientation Training for New Team Leads and Participants***

**Thursday, February 28 (Sunset 5:33PM; Astronomical Twilight 6:58PM)**

<i>All Day</i>	<i>Airport shuttle to Hoover Dam Lodge for new RECON Team Members</i>
1:00-2:00	Registration for New RECON Team Members
2:00-2:30	Introductions and Overview of RECON Science (John and Marc)
2:30-3:45	Introduction to CPC-1100 Telescope Setup (Marc, John, Rodrigo, Sean, Ryder)
3:45-4:30	Introduction to Mallincam Camera Setup (Marc, John, Rodrigo, Sean, Ryder)
4:30-5:00	Instructions for the night's observing program (Marc)
5:30-7:00	Dinner at Hoover Dam Lodge (5:30-6:15 and 6:15-7:00)
7:30-11:00	Observing - Practice setting up scope and camera and finding target field

**Friday, March 1 - training**

7:00-8:30	Breakfast at Hoover Dam Lodge
9:00-9:30	Debrief from Observing Session (Marc and John)
9:30-10:15	Website Resources, Communication Channels (John)
10:15-10:45	Campaign Details - Signup, Reporting, Uploading Data (Rodrigo)
10:45-11:45	Data Analysis and Lightcurve Generation (John)
11:45-12:00	Closing Remarks, Q&A from Training Session, What We Missed (All)
12:00-1:00	Lunch at Water Safety Center

***RECON Science Team Meeting for all Teams (New plus Returning)***

**Friday, March 1**

<i>All Day</i>	<i>Airport shuttle to Hoover Dam Lodge for Returning RECON Team Members</i>
1:00-2:00	Registration for Returning RECON Team Members
2:00-2:30	Welcome and Conference Overview (John and Marc)
2:30-3:30	RECON 1.0 - Where we are and our final year (John)
3:30-4:30	RECON 2.0 (Marc)
4:30-5:00	Prep for Evening Observing Session (Marc)
5:30-7:00	Dinner at Hoover Dam Lodge ((5:30-6:15 and 6:15-7:00)
7:30-11:00	Observing - Practice for upcoming RECON events (All)

**Saturday, March 2**

7:00-8:30	Breakfast at Hoover Dam Lodge
9:00-9:30	Debrief from Observing Session (All)
9:30-10:45	RECON Campaign results (Rodrigo)
10:45-11:00	Break
11:00-12:30	Breakout Discussions - What's working and proposal ideas (All)
12:30-1:30	Lunch at Lake Mead WCS
1:30-3:00	Presentations from Breakout Groups and Full Group Discussion (All)
3:00-3:30	Group Photo and Break (All)
3:30-5:00	Contributed Presentations (see below)

5:30-7:00 Dinner  
7:30-11:00 Observing - Practice for upcoming RECON events

### **Sunday, February 3**

7:00-8:30 Breakfast at Hoover Dam Lodge  
9:00-9:30 Debrief from Observing Session (All)  
9:30-10:30 New Horizons MU69 Encounter (Marc)  
10:30-11:00 Further Discussion about Future (Marc and John)  
11:00-12:00 Closing Thoughts (All)  
12:00-3:00 *Shuttles to Airport*

### **Contributed Presentations - Saturday, March 2, 3:30-5PM**

#### **Soundscapes and Dark Skies in National Parks**

*Ashley Pipkin, National Park Service*

Learn how the National Park Service is partnering locally and regionally to promote preservation and stewardship of dark skies and natural soundscapes.

#### **Using the New Horizons Mission to inspire PBL in the Elementary Classroom**

*Megan Rivard, Bruce Palmquist, Central Washington University*

A 3rd-5th grade classroom used occultation data from MU69 to come to their own conclusions about the shape of the target object. Students developed a large-scale model of the data to interpret as a group and individually. In this presentation, you will gain a glimpse into the lesson sequence and see some of the student artifacts.

#### **RECON at Calipatria High School**

*Danielle Laguna, Kimberly Montejano, Juan Cota, Mrs. McCandless, Calipatria High School*

How RECON has influenced our students at CHS. How we formed our Astronomy Club as a direct result of RECON. Fundraisers for our trips.

#### **Chelan Planet Walk**

*Russ Jones, Chelan RECON Team*

I would describe the 1.5 mile model of the solar system we are building and ask participants to review our drafts of the planet stations to identify errors or offer ideas.

#### **STEM Website**

*Gerald Heder, Kingman RECON Team*

Five minutes to quickly review the STEM resources website

#### **Money for College**

*Deanna Marshall, Central Washington University*

Scholarships, Financial Aid and Resources for College