

### 3<sup>rd</sup> VOLTRON Meeting Program

Wednesday, March 9<sup>th</sup>, 2022

Time (MST)	Activity		Location	Comments
09:00 - 9:15	<b>Opening Remarks</b>		Drachman Hall Room A114	In-person
9:15 - 10:20	<b>Keynote session 1</b> V. Reddy and R. Furfaro. Opportunities and Challenges in Cislunar Object Characterization		Drachman Hall Room A114	In-person
10:20 - 12:00	<b>Technical Session 1 (hybrid)</b> Chair-person: E. Plis		Drachman Hall Room A114	
10:20 – 10:40	T. Campbell. Stingray: Photometric Survey of the GEO Belt <b>(student talk)</b>	In-person		
10:40 – 11:00	E. Pearce. Multi-spectral Satellite Measurements at Steward Observatory from the Visible to the IR	In-person		
11:00 – 11:20	<b>Coffee Break</b>			
11:20 – 11:40	H. Cowardin. Spectral Characterization of Modern Spacecraft Materials supporting MISSE.			Virtual
11:40 – 12:00	P. Castro. Simultaneous Multi-spectral Photometry from the Peacock System.			Virtual
12:00 – 13:30	<b>Lunch (provided by University of Arizona)</b>		Drachman Hall Room A116	
13:30 – 15:30	<b>Technical Session 2 (hybrid)</b> Chair-person: E. Pearce		Drachman Hall Room A114	
13:30 – 14:10	D. Ferguson. Remote Sensing of Arcing on Satellites –A Chronology	Virtual		
14:10 – 14:30	J. Shah. Characterization of various polymer materials in a simulated LEO and GEO environment.	In-person		
14:30 – 15:00	A. Battle. RAPTORS Survey: Updates on a Visible Spectral Atlas of GEO Satellites <b>(student talk)</b>	In-person		
15:00 – 15:30	A. Battle, N. Pearson. The Biosphere 2 star party outline	In-person		
15:30 – 16:30	<b>Transportation to Biosphere 2 (in-person only)</b>			
16:30 – 18:00	<b>Tour of Biosphere 2 Telescopes (in-person only)</b>		Biosphere 2	
18:00 – 19:30	<b>Outdoor Banquet (in-person only) – please bring a WARM JACKET</b>		Biosphere 2	

19:30 – 21:00	<b>Star Party and Observational Spectroscopy Workshop (in-person only)</b>	Biosphere 2	
21:00 – 22:00	<b>Return to Campus</b>		

**Thursday, March 10<sup>th</sup>, 2022**

<b>Time (MST)</b>	<b>Activity</b>		<b>Location</b>	<b>Comments</b>
09:30 – 10:30	<b>Workshop on Observational Spectroscopy Data Reduction/Analysis</b> A. Battle		Drachman Hall Room A114	In-person
10:30 – 11:00	<b>Break</b>		Drachman Hall Room A114	
11:00 - 12:20	<b>Technical Session 3 (hybrid)</b> Chair-person: M. Velez-Reyes		Drachman Hall Room A114	In-person
	11:00 – 11:20	S. Collman. Post irradiation colorimeter analysis of vacuum packaged materials		
	11:20 – 11:40	C1C B. Eastman. Polarization signatures of a DirecTV cluster <b>(student talk)</b>		Virtual
	11:40 – 12:00	C1C T. Reed and C1C M. Parrish. Spectral calibration of and spectral signatures of GEO satellites using the Falcon Telescope Network <b>(student talk)</b>		Virtual
	12:00 – 12:20	C1C A. Masters. Analysis of photometric signatures of DTV-10 collected over 8 years <b>(student talk)</b>		Virtual
12:20 – 13:35	<b>Lunch (provided by University of Arizona)</b>		Drachman Hall Room A116	
13:35 – 15:15	<b>Richard F. Caris Mirror Lab Tour (in-person only)</b> Start walking to Mirror Lab at 13:35. Presentation starts promptly at 13:55		Richard F. Caris Mirror Lab	

**Friday, March 11<sup>th</sup>, 2022**

Time (MST)	Activity	Location	Comments
09:00 – 10:30	<b>Workshop on Lab Spectroscopy (in-person only)</b> R. Hoffmann and N. Pearson	Kuiper Space Sciences Building	In-person
10:30 – 11:00	<b>Break (and walk to Drachman Hall)</b>	Drachman Hall Room A114	
11:00 – 11:20	<b>Technical Session 4 (in-person)</b> Chair-person: R. Hoffmann	Drachman Hall Room A114	In-person
11:00 – 11:20	M. Velez-Reyes and H. Erives. Hyperspectral Unmixing for Extracting Composition of Unresolved Space Objects		
11:20 – 11:40	G. Halferty. Photometric Characterization of Starlink Satellites (student talk)		
11:45 – 13:15	<b>Lunch (provided by University of Arizona)</b>	Drachman Hall Room A116	In-person
13:30 – 14:15	<b>Plenary Session</b> Introduction by R. Hoffmann J. Mozer. Title: TBD.	Drachman Hall Room A114	Virtual
14:15 – 14:30	<b>Closing Remarks</b>	Drachman Hall Room A114	In-person

**Saturday, March 12<sup>th</sup>, 2022**

Time (MST)	Activity	Location	Comments
All day  <b>Meet at 8:00 a.m. sharp</b>	<b>LBT Observatory tour (in-person only)</b> Find more info on the <a href="#">LBT Tour Info</a> page ~ 3 hrs one-way drive <ul style="list-style-type: none"> <li>Meet in parking lot south of Drachman Hall at 8:00 a.m. sharp!</li> <li>We will caravan there to make sure we all arrive at the same time.</li> <li>Pack a lunch and plenty of water for the long day.</li> <li>The LBT tour is over 10,000 ft. Bring warm clothes and be aware of the symptoms of altitude sickness (<a href="#">link to CDC page here</a>)</li> <li>Hydrate the night before and consider bringing pain killers for the altitude</li> </ul>	Large Binocular Telescope  Mount Graham International Observatory, 1480 AZ-366, Safford, AZ 85546	<u>Things to bring:</u> Lots of water Packed lunch Warm jacket Hat & gloves Painkillers