

MAS YouTube VIDEOS

By Topic

Note: Some videos are listed in more than one category.

OUR PLACE IN THE UNIVERSE

Short Course Lecture #1 - Feb. 6, 2015:

Our Place in the Universe. By Bill Busler

<https://www.youtube.com/watch?v=wdgm204GYBQ>

Village Creek Indoor Program – Minute 26 to end

Busler, William J.

2015 April 11

<https://www.youtube.com/watch?v=9gZkFzEjWf8&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=7>

Our Place in the Universe – Memphis Comic and Fantasy Club

Veldman, Jeremy

2017 November 17

https://www.youtube.com/watch?v=B3WT5-Wh_UY

Telescope Tips 1

Veldman, Jeremy

<https://www.youtube.com/watch?v=g7L8-3f2IGU>

THE SKY

Short Course Lecture #2 (Parts 1 & 2) - Apr. 10, 2015

The Sky and the Earth. By Bill Busler.

Part 1: <https://www.youtube.com/watch?v=-8E1RkGMai4>

Part 2: <https://www.youtube.com/watch?v=OLtiW-91xok>

Village Creek Indoor Program – First 25 minutes

Busler, William J.

2015 April 11

<https://www.youtube.com/watch?v=9gZkFzEjWf8&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=7>

New Telescope Seminar 2 – First 15 minutes

Busler, William J.

2017 February 3

<https://www.youtube.com/watch?v=pZIUMx7IVKg&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=35>

ECLIPSES, TIDES, MOON PHASES

Short Course Lecture #3 - May 1, 2015

Sun-Earth-Moon Relationships. By Bill Wilson
https://www.youtube.com/watch?v=L4TbEoiGe_o

Eclipse Cycles and the Antikythera Mechanism
Wilson, William M.
2015 May 1 Re-recorded 2016 April
<https://www.youtube.com/watch?v=ezGdnys1SIQ>

Eclipse Cycles and Antikythera Mechanism
Wilson, William M.
2017 May 5
<https://www.youtube.com/watch?v=unJpzBg8Uqw&index=49&list=UU4HPGcX29f9RH7TGXCcl7Ow>

Total Solar Eclipse of 2017

Totality at Paducah, Kentucky <https://www.youtube.com/watch?v=fYEQaEjVcKI>
Fox 13 Coverage with Veldman and Honey <https://www.youtube.com/watch?v=-3bpdDvk-aQ>
Totality at Lebanon, Tennessee <https://www.youtube.com/watch?v=-QLt37Vj5KI>
Totality in Missouri <https://www.youtube.com/watch?v=VRWpX60114U>
Perryville <https://www.youtube.com/watch?v=oDw7HJdfiOU>
Weather Resources <https://www.youtube.com/watch?v=ykJ4nizcqJI>
Perryville 2 <https://www.youtube.com/watch?v=4X4kTrgKGIU>
St. Louis Expo <https://www.youtube.com/watch?v=sV7AJnA45Jc>
Overview Veldman May 2017 <https://www.youtube.com/watch?v=DQb--YxE9oQ>
Update Veldman <https://www.youtube.com/watch?v=Jzp8TLhhs2M>
Eclipse Conference Veldman <https://www.youtube.com/watch?v=6lhpTLp1VgA>

SOLAR SYSTEM AND PLANETS

Saturn
Veldman, Jeremy
2012 October 5
<https://www.youtube.com/watch?v=c8M4gtnETkg>

Jupiter
Veldman, Jeremy
2012 November 2
<https://www.youtube.com/watch?v=8WH4zGao2bY>

LaGrangian Points and the Cosmic Distance Ladder
Busler, William J.
2013 May 3
<https://www.youtube.com/watch?v=wdF8kwKca9E>

Clyde Tombaugh and Pluto
Dowdle, Terry and Bolding, Sue
2014 October 3

https://www.youtube.com/watch?v=9KWTVqV_1PM

Short Course Lecture #4 - Jul. 10, 2015

The Solar System and Its Origin. By Bill Busler

<https://www.youtube.com/watch?v=YNvj4W9QXG0>

Asteroid named for Busler
Honey, Ric and Busler, William J.

2018 June 1

<https://www.youtube.com/watch?v=Mic7tknmDoM&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=18>

OPTICS and TELESCOPES

Short Course Lecture #5 - Jul. 10, 2015

Optics and Telescopes. By Tom Richardson

<https://www.youtube.com/watch?v=qQsbxX7OZEo>

New Telescope Seminar 1
Busler, William J.
2017 February 3

<https://www.youtube.com/watch?v=WIKTUXRP83Y>

Telescope Tips 2 – Newtonian Reflectors
Veldman, Jeremy

https://www.youtube.com/watch?v=iT_3OEv_QR8&index=25&list=UU4HPGcX29f9RH7TGXCcl7Ow

Telescope Tips 3 – Bino-Viewing with Telescope
Veldman, Jeremy and Hancock, Brian

https://www.youtube.com/watch?v=_iR47Z33XzI&index=23&list=UU4HPGcX29f9RH7TGXCcl7Ow

Telescope Tips 10 – Pimping Out Your Scope
Veldman, Jeremy

<https://www.youtube.com/watch?v=6v2Yq7k9gBo&index=12&list=UU4HPGcX29f9RH7TGXCcl7Ow>

Telescope Tips 14 – Eyepieces

Veldman, Jeremy and Honey, Ric

<https://www.youtube.com/watch?v=SbRY24ehiR0>

ASTRONOMERS and HISTORY OF ASTRONOMY

Russell W. Porter

Sackett, Ross

2014 November 7

<https://www.youtube.com/watch?v=tGMAAt05VA0s>

Short Course Lecture #6 - Aug. 7, 2015

Early History of Astronomy. By Bill Busler

<https://www.youtube.com/watch?v=QqhU-xlxdYU>

John Michell

Latiolais, Keith

2018 April 6

<https://www.youtube.com/watch?v=iUWH-WgeOOw>

Birth of Modern Science

Veldman, Jeremy

2018 August 3

<https://www.youtube.com/watch?v=rci31B9dKsE&index=9&list=UU4HPGcX29f9RH7TGXCcl7Ow>

Birth of Modern Science – Watershed – Kepler

Veldman, Jeremy

2018 September 7

<https://www.youtube.com/watch?v=oZFOTCqRKng>

Eclipse Cycles and the Antikythera Mechanism

Wilson, William M.

2015 May 1 Re-recorded 2016 April

<https://www.youtube.com/watch?v=ezGdnys1SIQ>

Eclipse Cycles and Antikythera Mechanism

Wilson, William M.

2017 May 5

<https://www.youtube.com/watch?v=unJpzBg8Uqw&index=49&list=UU4HPGcX29f9RH7TGXCcl7Ow>

ASTRONOMICAL MEASUREMENTS

Message of Starlight I – CBU American Chemical Society

Busler, William J.

2015 November 12

<https://www.youtube.com/watch?v=dsg-LIJtfX8>

Message of Starlight II – CBU American Chemical Society
Busler, William J.
2015 November 19
<https://www.youtube.com/watch?v=k3LJlcl87Xk>

Eclipse Cycles and the Antikythera Mechanism
Wilson, William M.
2015 May 1 Re-recorded 2016 April
<https://www.youtube.com/watch?v=ezGdnys1SIQ>

Eclipse Cycles and Antikythera Mechanism
Wilson, William M.
2017 May 5
<https://www.youtube.com/watch?v=unJpzBg8Uqw&index=49&list=UU4HPGcX29f9RH7TGXCcl7Ow>

Short Course Lecture #8 - Sept. 11, 2015
Measuring Distances in the Milky Way. By Bill Busler
<https://www.youtube.com/watch?v=J7VBPpzqNc4>

STARS AND STELLAR EVOLUTION

Epsilon Aurigae
Veldman, Jeremy
2011 November 4
<https://www.youtube.com/watch?v=CyGC-xo5d1E>

Short Course Lecture #9 (Parts 1 & 2) - Oct. 2, 2015
Classification and Measurement of Stars. By Bill Wilson
Part 1: <https://www.youtube.com/watch?v=2htxDPdF53A>
Part 2: <https://www.youtube.com/watch?v=2Q8QPfJtmUU>

Short Course Lecture #10 (Parts 1 & 2) - Nov. 6, 2015
Stellar Evolution. By Bill Busler
Part 1: https://www.youtube.com/watch?v=FzSW4_w6Cfc
Part 2: https://www.youtube.com/watch?v=e_epJ_LwJik

Most Mysterious Star in our Galaxy
Maloney, Chris
2018 April 6
<https://www.youtube.com/watch?v=5T4STj4nFCY&index=28&list=UU4HPGcX29f9RH7TGXCcl7Ow>

Stellar Evolution

Smith, Whitney

2018 August 3

<https://www.youtube.com/watch?v=1awpWJmQK4A&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=10>

Quasars, Black Holes, and Galactic Nuclei

Busler, William J.

2018 May 4

<https://www.youtube.com/watch?v=znONJhxBFoE>

GALAXIES and COSMOLOGY

Biggest Blasts in Cosmic History

Veldman, Jeremy

2012 August 3

<https://www.youtube.com/watch?v=FC2f9sTunxk>

Cosmic Distance Ladder

Busler, William J.

2013 April 5

<https://www.youtube.com/watch?v=4U7GnZWnvIw>

LaGrangian Points and the Cosmic Distance Ladder

Busler, William J.

2013 May 3

<https://www.youtube.com/watch?v=wdF8kwKca9E>

Dark Matter

Veldman, Jeremy

2013 July 12

<https://www.youtube.com/watch?v=A5IWUzOaYo8>

Dark Energy

Veldman, Jeremy

2013 August 2

<https://www.youtube.com/watch?v=0Psva30jkrc>

Quantum Enigma I

Veldman, Jeremy

2014 April 4

<https://www.youtube.com/watch?v=d0dBY7BYVM0>

Quantum Enigma II

Veldman, Jeremy

2014 May 2

https://www.youtube.com/watch?v=6O_m4Qf6ssU&index=57&list=UU4HPGcX29f9RH7TGXCcl7Ow

Short Course Lecture #4 - Jul. 10, 2015

The Solar System and Its Origin. By Bill Busler

<https://www.youtube.com/watch?v=YNvj4W9QXG0>

Short Course Lecture #11 - Dec. 4, 2015

Galaxies. By Bill Busler

<https://www.youtube.com/watch?v=eGQza3ZLUkU>

Short Course Lecture #12 – Feb. 5, 2016:

Cosmology. By Bill Busler

<https://www.youtube.com/watch?v=q-ikyO-YmZs>

Dark Energy and the Expansion of the Universe

Veldman, Jeremy

2016 February 5

<https://www.youtube.com/watch?v=aEEWa6oo8j8>

<https://www.youtube.com/watch?v=KkkS1ix4-Y0>

Black Holes

Springfield, Felix

2017 October 6

<https://www.youtube.com/watch?v=uGznS5It4U>

Fermi Paradox

Riggs, Caleb

2018 February 2

<https://www.youtube.com/watch?v=1qfYVEebYXc>

End of the Universe

Townley, Richard

2018 June 1

<https://www.youtube.com/watch?v=yeH0HUSSNTk&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=19>

Quasars, Black Holes, and Galactic Nuclei

Busler, William J.

2018 May 4

<https://www.youtube.com/watch?v=znONJhxBFoE>

OBSERVING

Short Course Lecture #7 - Aug. 7, 2015

Techniques for Locating Celestial Objects. By Bill Busler

<https://www.youtube.com/watch?v=IQSPReBwjQ0>

New Telescope Seminar 2

Busler, William J.

2017 February 3

<https://www.youtube.com/watch?v=pZIUMx7IVKg&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=35>

Messier Marathon – Binoculars

Hancock, Brian

2018 March 2

<https://www.youtube.com/watch?v=Ut6ebohm50U>

Messier Marathon – Planning

Honey, Ric

2018 March 2

<https://www.youtube.com/watch?v=ompEbGa3nK8>

Messier Marathon – Virgo Cluster

Veldman, Jeremy

2018 March 2

<https://www.youtube.com/watch?v=SVbk22IrU8M>

Astronomical Seeing

Honey, Ric

2018 June 1

https://www.youtube.com/watch?v=8DyXKh_8xGs&index=20&list=UU4HPGcX29f9RH7TGXCcl7Ow

Telescope Tips 1

Veldman, Jeremy

<https://www.youtube.com/watch?v=g7L8-3f2lGU>

Telescope Tips 3 – Bino-Viewing with Telescope

Veldman, Jeremy and Hancock, Brian

https://www.youtube.com/watch?v=_iR47Z33XzI&index=23&list=UU4HPGcX29f9RH7TGXCcl7Ow

Telescope Tips 4 – Observing Techniques

Honey, Ric

<https://www.youtube.com/watch?v=ywK5rbJPq3M&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=22>

Telescope Tips 5 – Binocular Observing 1

Veldman, Jeremy and Hancock, Brian

<https://www.youtube.com/watch?v=6gGYkokavC8&index=21&list=UU4HPGcX29f9RH7TGXCcl7Ow>

Telescope Tips 6 – Binocular Observing 2

Veldman, Jeremy

<https://www.youtube.com/watch?v=qcnsHqAWXfc&index=17&list=UU4HPGcX29f9RH7TGXCcl7Ow>

Telescope Tips 7 – Dark-Sky Observing at Burton's

Veldman, Jeremy

<https://www.youtube.com/watch?v=LmwDuZdvKN0&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=16>

Telescope Tips 9 – Lunar Observing

Veldman, Jeremy

<https://www.youtube.com/watch?v=zPt688ZbEFs&index=15&list=UU4HPGcX29f9RH7TGXCcl7Ow>

Telescope Tips 11 – Shelby Farms

Veldman, Jeremy

<https://www.youtube.com/watch?v=ZchCfE2qq-8>

Telescope Tips 15 – Solar Observing and Imaging

Veldman, Jeremy and Diaz, Freddy

<https://www.youtube.com/watch?v=Y137zBbYers&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=3>

ASTRONOMICAL PHOTOGRAPHY

Lunar Imaging Demystified

Sackett, Ross

2014 September 5

<https://www.youtube.com/watch?v=B32LqT9uNHY>

Solar Imaging Demystified

Diaz, Freddy

2014 September 5

https://www.youtube.com/watch?v=t136_hP2ys4&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=77

Telescope Tips 12 – Astrophotography 1 Setting Up

Veldman, Jeremy and Latiolais, Keith

<https://www.youtube.com/watch?v=ttqUNOw85gI&index=8&list=UU4HPGcX29f9RH7TGXCcl7Ow>

Telescope Tips 13 – Astrophotography 2 Cameras
Veldman, Jeremy and Latiolais, Keith

<https://www.youtube.com/watch?v=FMSVbR4ucig&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=6>

Telescope Tips 15 – Solar Observing and Imaging
Veldman, Jeremy and Diaz, Freddy

<https://www.youtube.com/watch?v=Y137zBbYers&list=UU4HPGcX29f9RH7TGXCcl7Ow&index=3>

ASTRONOMICAL PHENOMENA AFFECTING THE EARTH

Magnetic Apocalypse

Veldman, Jeremy

2012 March 2

<https://www.youtube.com/watch?v=YGoskAf3FS8>

Global Warming – Fact or Fiction?

Busler, William J.

2014 July 11

<https://www.youtube.com/watch?v=Zj75E7vR6A8>

SPACE EXPLORATION

Cassini Mission Recap

Townley, Richard

2018 October 5

<https://www.youtube.com/watch?v=5tEPLaEqW8o>

MISCELLANEOUS TOPICS

Alien Weather

Veldman, Jeremy

2013 March 1

<https://www.youtube.com/watch?v=KcMsBJ0hpb4>

MAS 60th Anniversary

Busler, William J.

2013 November 1

<https://www.youtube.com/watch?v=mm55q2VLZ9c>

Shelby Farms Earth Day

MAS

2017 April 1

<https://www.youtube.com/watch?v=kMgeA-maXyQ>

Light Pollution

McMath, Bruce

2018 January 5

https://www.youtube.com/watch?v=DjfT8c2_ndo

Time Travel – Shelby County Star Trek Day

Veldman, Jeremy

2018 April 8

<https://www.youtube.com/watch?v=pEJMiOcQAYs>

Meteor Showers 1

Busler, William J.

2018 July 6

<https://www.youtube.com/watch?v=eJmrnojTjbE&index=14&list=UU4HPGcX29f9RH7TGXCc17Ow>

Meteor Showers 2

Busler, William J.

2018 July 6

<https://www.youtube.com/watch?v=TS81bQV9LsE&list=UU4HPGcX29f9RH7TGXCc17Ow&index=13>