

Fulldome Videos

Art Science Wonder

Title: Art + Science = Wonder

Time: 5 min 58 sec

About: Mostly just some music and nice space visuals. Rocket launch, nebulas, star clusters, galaxies, sun, ISS

Back to the Moon for Good

Note: Both files in this folder are the same

Time: 24 min 39 sec (23.25 min without credits)

About: A brief of previous lunar landings, some information about the moon and what it would take to get people to want to go back to the moon, Google LUNAR Xprize and the process to land something on the moon

Citizen Sky Epsilon Aurigae

Note: version in the 2k folder "Citizen Sky Epsilon Aurigae 2k.full.ogv"

Time: 6 min 20 sec (5.75 min without credits)

About: Variable stars and tracking light curves (transit method)

Cosmic Castaways

Note: "cosmic-castaways-stereo.k.full.mkv"

Time: 22 min 59 sec (17.5 min without credits)

About: The structure of the universe... Stars, galaxies and how they interact, the stars that end up cast away from galaxies by these collisions, and the fate of the milky way galaxy.

Dark the Movie

Note: "Dark.The.Movie-stereo.full.mp4"

Time: 20 min (17 min without credits)

About: Dark matter... Why do we think/say dark matter exists? How might/do we detect it?

ESO-JCMW

Title: Journey to the Center of the Milky Way

Time: 6 min 38 sec

About: ESO telescopes and their view/observations of the Milky Way Galaxy. The black hole in the center of the galaxy

Flight Adventures

Time: 20 min 1 sec (19 min without credits)

About: The history of flight. People who tried to turn themselves into birds (gliders), Wright brothers, what keeps planes in the air, breaking the sound barrier, space travelling things that bear most resemblance to planes.

IBEX

Title: IBEX: Search for the Edge of the Solar System

Time: 28 min 34 sec (26.5 min without credits)

About: Has a long intro with nothing but visuals for almost 4 minutes. About the IBEXspace craft (Interstellar Boundary Explorer). What makes up the solar system, sun, planets, oort cloud, solar wind and what it protects us from. What creates the boundary of the solar system and how do we define and detect that. Our solar systems movement in the milky way.

LCROSS_revisited

Title: Flight to the Moon: LRO and LCROSS

Time: 9 min 15 sec (8.5 min without credits)

About: Lunar Reconnaissance Orbiter (LRO) and Lunar Crater and Observation Sensing Satellite (LCROSS) missions. What kind of data they are collecting and how, what we plan to/have learn(ed) from them, and how they might help future missions.

Losing the Dark

Notes: file "LTD-1600.mp4"

Time: 6 min 25 sec

About: The issue of light pollution

NewHorizons-FALP

Title: New Horizons for a Little Planet

Time: 5 min 45 sec (5 min without credits)

About: Very cartoony, produced before NH got to Pluto so no real images. Pluto and the New Horizons mission

Solar Quest

Notes: file "SolarQuest.2k.stereo.full.mp4"

Time: 11 min 52 sec (10.5 min without credits)

About: The Sun (creation and features), CMEs and their threats/effects, solar wind and earth magnetic field interaction, SOHO and SDO (sun observation satellites)

Stella Novus – Light Echoes

Notes: file "gsn_le_giftshop0.full.mp4"

Title: Geodesium Stella Novus: Track 6 Light Echoes

Time: 5 min 13 sec

About: Zooms and time lapses of a bunch of different nebulae with a nice music background

Sunstruck

Time: 21 min (19.25 min without credits)

About: Energy from sun supports earth, light/EM-spectrum as energy, parts/ layers of the sun, earth atmosphere/magnetic field as protection against solar energy/wind, predicting space weather, cause of sunspots and sunspot cycle, how sun threatens things in space and on earth, the future of the sun

Two Small Pieces of Glass

Title: Two Small Pieces of Glass: the Amazing Telescope

Time: 22 min 45 sec (21.5 min without credits)

About: Telescopes: Different types of telescopes and how they work, history of telescopes and telescopic observations of the planets, color-temperature and spectrum, light years cosmic distance, Hubble deep field, adaptive optics and getting clear images through the atmosphere