

Updates from the



<https://fullmoontheatre.org/>

theatredelapleinelune@gmail.com

francesco.anselmo@aaschool.ac.uk



Architectural Association
School of Architecture

Our Story

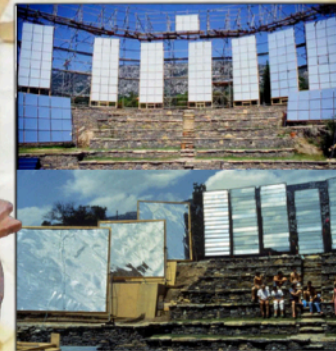
1987

The Ateliers de Gourgoubès established by Humbert Camerlo, inviting Peter Rice to contribute and collaborate.



Humbert Camerlo
French opera director

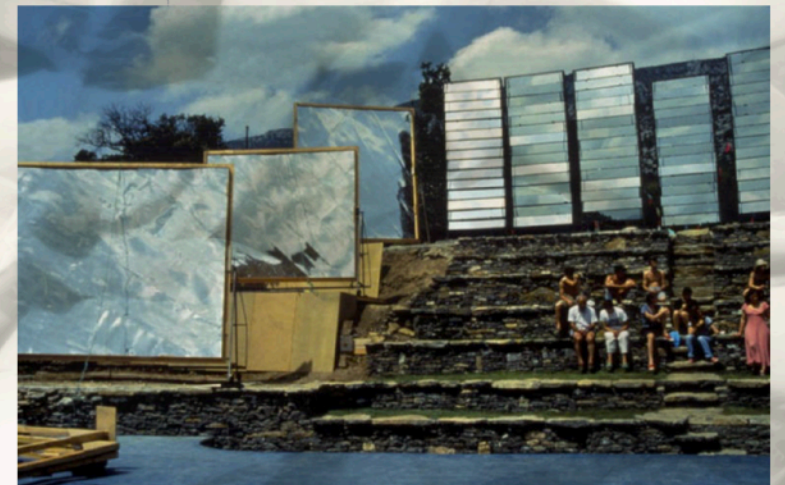
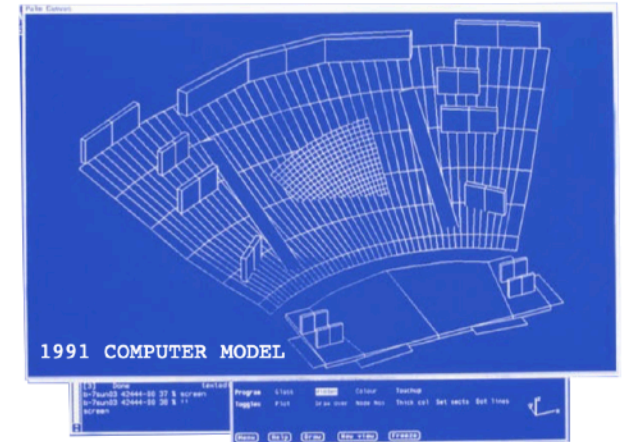
Peter Rice
ARUP Structural Engineer



Gourgoubès, France
43.854464 N, 3.659107 E

1991

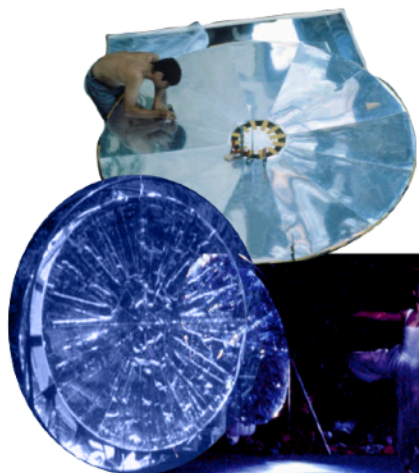
Theatre Construction and Performance



Our Story

1992

Introduction of New Reflectors named after stars — Antares, Pollux, Altair, Vega, Deneb, and Polaris — are developed, mounted on scaffolds, and manually adjusted to follow the Moon's path.



ARCHIMEDES REFLECTORS: circular, used to spotlight actors, dancers, or musicians on stage.

1994

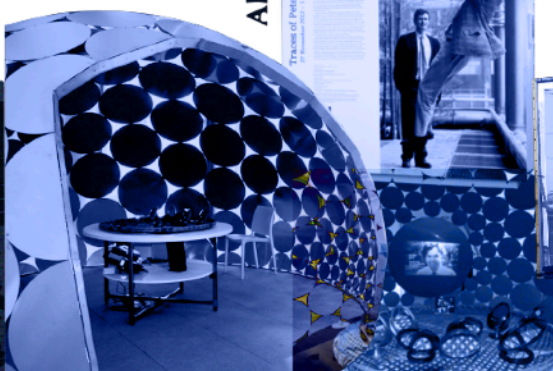
"An Engineer Imagines" The posthumous publication of Peter Rice's autobiography details his final project, the Full Moon Theatre, highlighting a communal learning and spiritual reconnection through active participation, despite technical challenges.



ARUP phase2

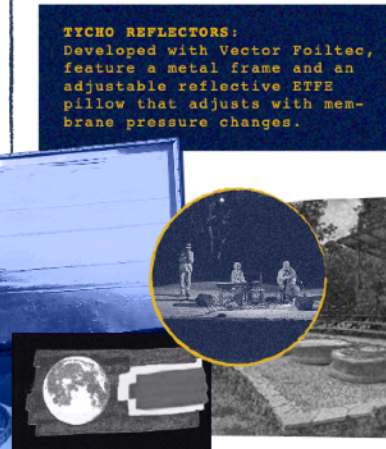
2012

Project Revival The "Traces of Peter Rice" exhibition by Arup's Phase 2 led to planning global Full Moon Theatres. Humbert Caerlo staged a few more Full Moon performances in Gourgoubès after 2012.



2013

TYCHO REFLECTORS: Developed with Vector Foiltec, feature a metal frame and an adjustable reflective ETFE pillow that adjusts with membrane pressure changes.



2020

Preserving the Legacy Humbert's passing came as a shock to the community of art, science, technology and moonlight lovers, inspiring new generations to uphold his and Peter's legacy.



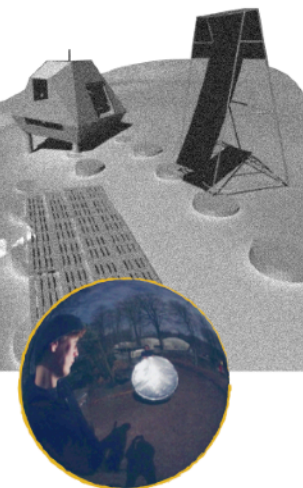
2023

Causse de la Selle

A performance organised by Alexandre Camerlino in Southern France to honor the memory of his father.

2023

Architectural Association (AA) Visiting School hosted a workshop held in March at Hooke Park, with an aim to restart the project in a learning environment. The workshop focused on site-specific design, digital fabrication of moonlight reflectors, and preparation for future Full Moon Theatres without using electricity. It culminated in a test performance rehearsal illuminated by moonlight.



Presentation Contents

Workshop Update

Archive and Research Update

Tools Update

Reflectors Update

Next Steps

Workshops Update



ARTICLES AND EVENTS



NEW COLLABORATIONS!

ON 18 JANUARY 2025

We're thrilled to share that our March workshop will take the next step in bringing our moonlit theatre dream to life! This exciting event will focus on actualizing a production for real performances, and we couldn't be happier to collaborate with two incredible Dorset-based theatre companies: Teatro Vivo and Angel Exit Theatre. Together, we'll gather for a few days of creative exploration to craft a piece we hope will resonate far beyond this moment.

[CONTINUE READING](#)



WORKSHOP VIDEO

ON 28 SEPTEMBER 2024

We have created a video to capture the experience of the March 2023 and March 2024 workshops. It shows the key moments of the Full Moon Theatre workshops in Hooke Park, from design to construction and performance. The workshops spanned over periods of 4 days and included lectures about the history of the projects, the physics of moonlight, lighting simulation and parametric design of the reflectors. After the lectures, we built together moonlight reflectors of various sizes and the big aluminium frames that hold the large



CALL FOR PROPOSALS: THIRD FULL MOON THEATRE VISITING SCHOOL 2025

ON 9 SEPTEMBER 2024

The Full Moon Theatre project invites applications from artists and creatives to collaborate on developing, workshopping, and performing a concept piece for our March 2025 site installation. Project Overview This project will create an enchanting outdoor winter performance space, illuminated by the ethereal light of the full moon. While previous iterations have focused on instrumental performances, we are



THE NEW HYPATIA REFLECTOR

ON 25 MARCH 2024

The second edition of the Full Moon Theatre Visiting School was held in Hooke Park at the end of March 2024. This time we had the opportunity to build together and test a new, improved, reflector design, that we named Hypatia, after the first female mathematician and astronomer whose life is reasonably well recorded. The new reflector and frame assembly is significantly cheaper, easier to assembly, easier to manouvre and, when disassembled, can fit in the back of a van.



Full Moon Theatre

23 followers

3w • 🌙



We are thrilled to announce our upcoming March workshop, which marks a significant milestone in our quest to bring our moonlit theatre vision to life.

This workshop will focus on translating our ideas into a fully realised production for live performances, and we couldn't be more excited to be collaborating with two exceptional Dorset-based theatre companies: [Teatro Vivo](#) and [Angel Exit Theatre](#).

Together, we'll spend a few dynamic days immersed in creative exploration, drawing inspiration from Shakespeare's iconic Three Witches of Macbeth. Our aim is to capture the witches' deep connection with the wildness of nature, their magic conjured under ...more

Yunni Cho and 2 others

1 repost



Like



Comment



Repost



Comment as Full Moon Theatre...



Full Moon Theatre



Archive and Research Update



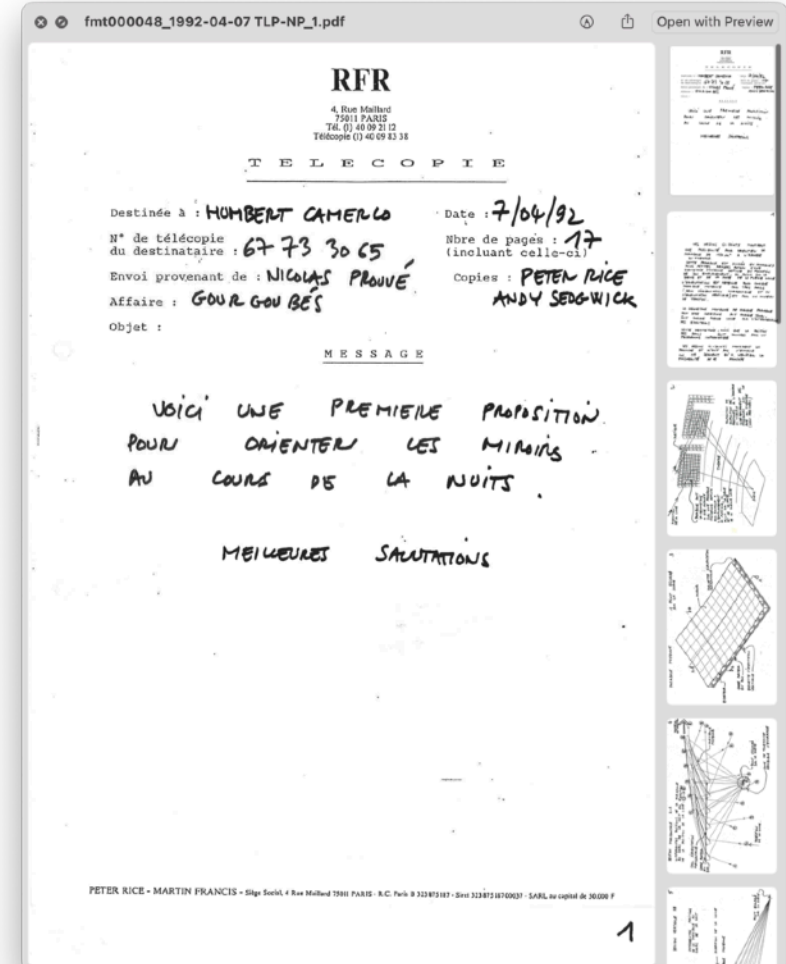
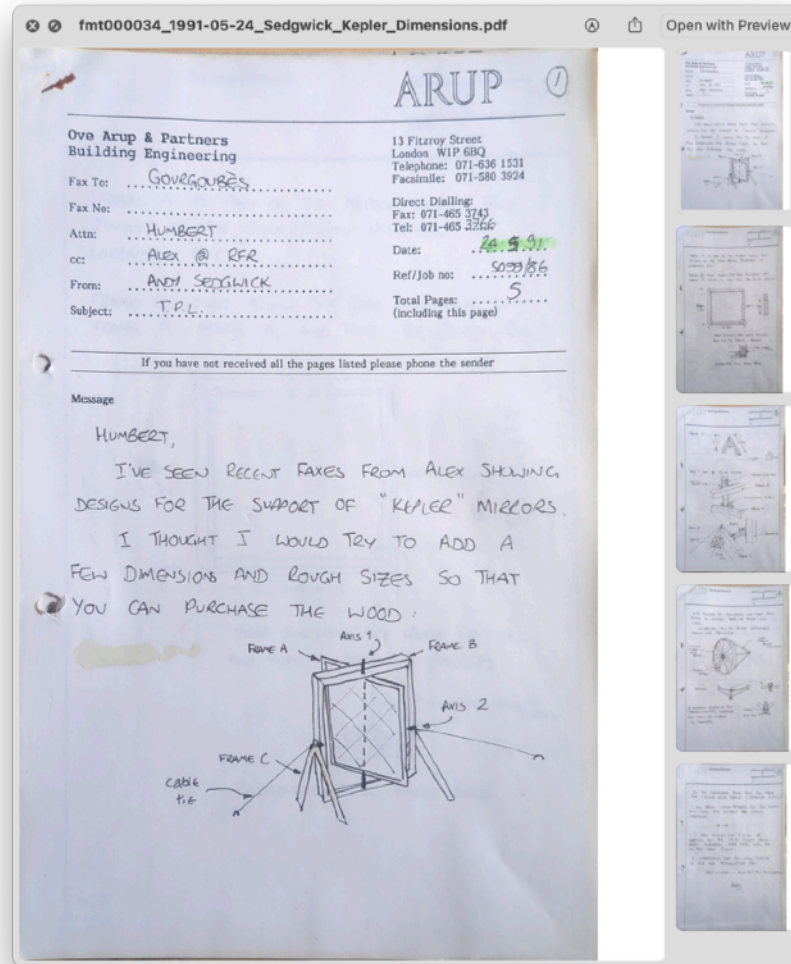
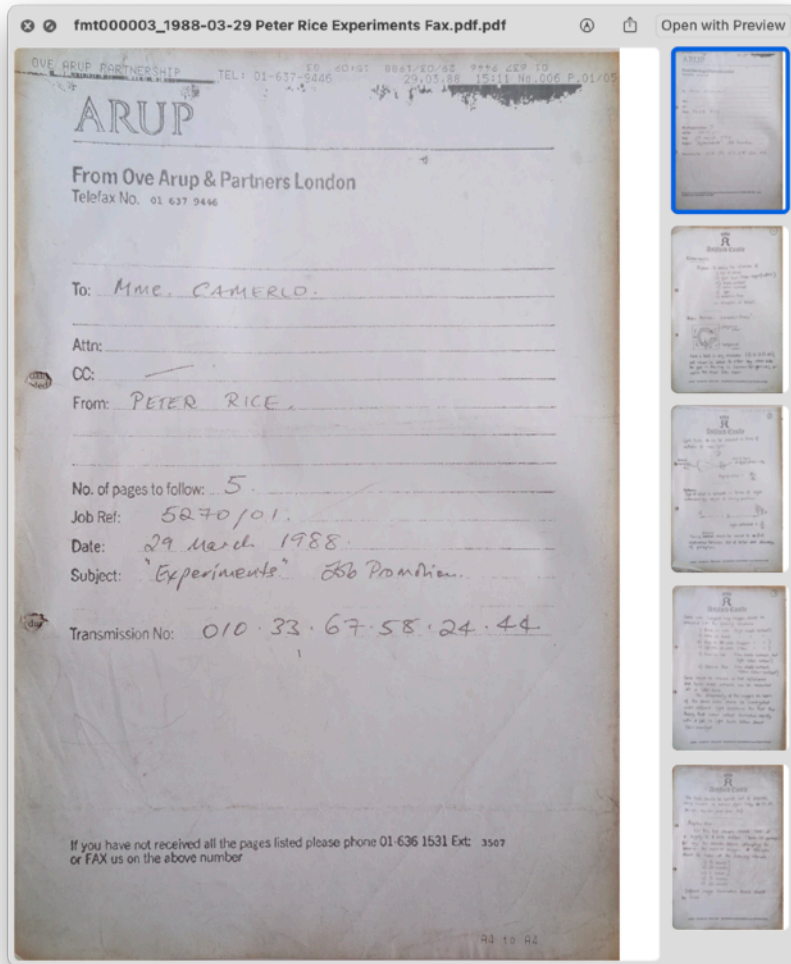
Visit to the original theatre in Gourgoubès



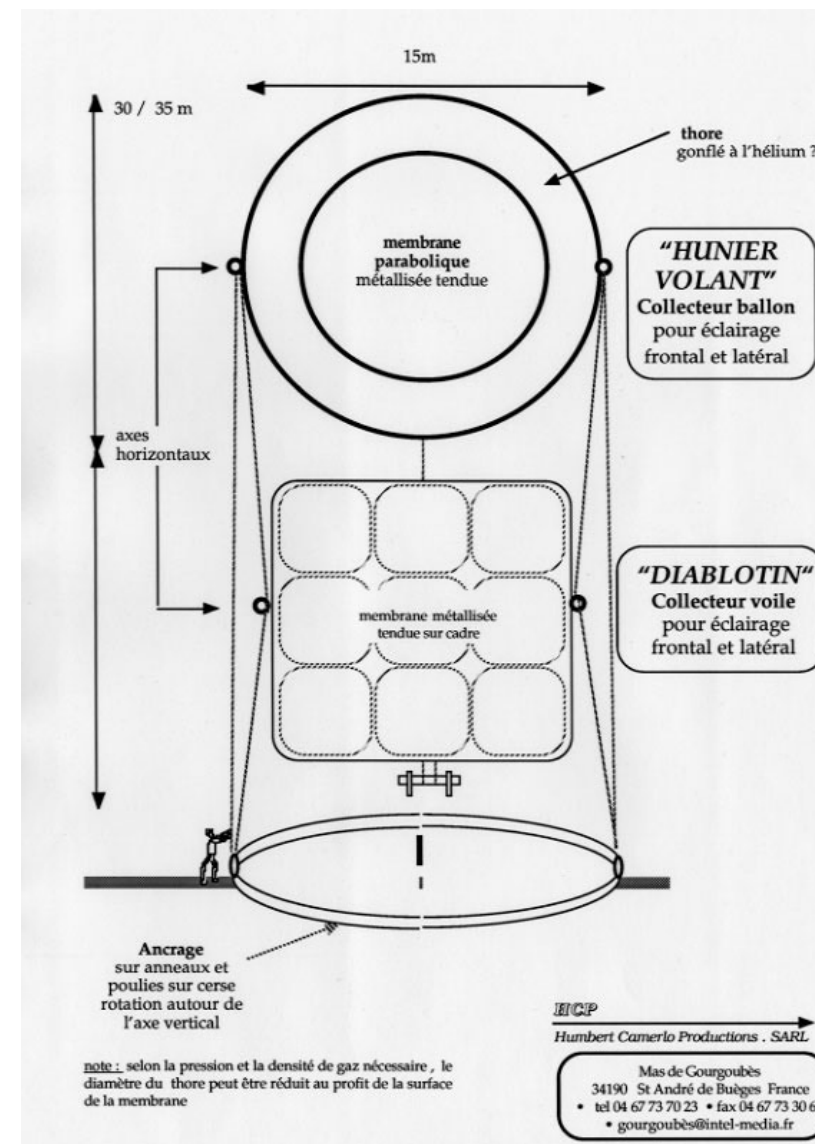
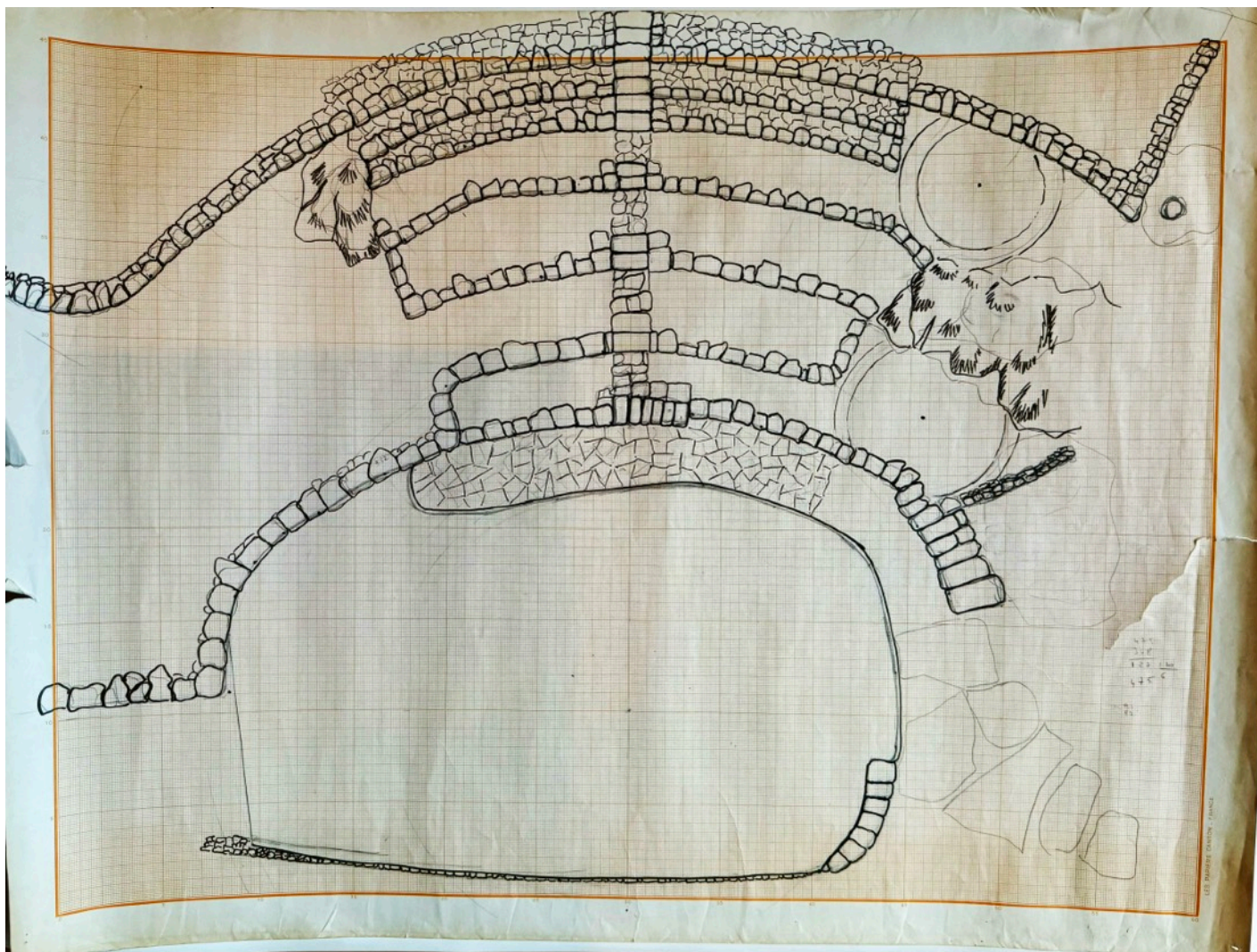
Potential 2026 workshop in Saint Roman de Codières



Humbert Camerlò's Archives - Faxes



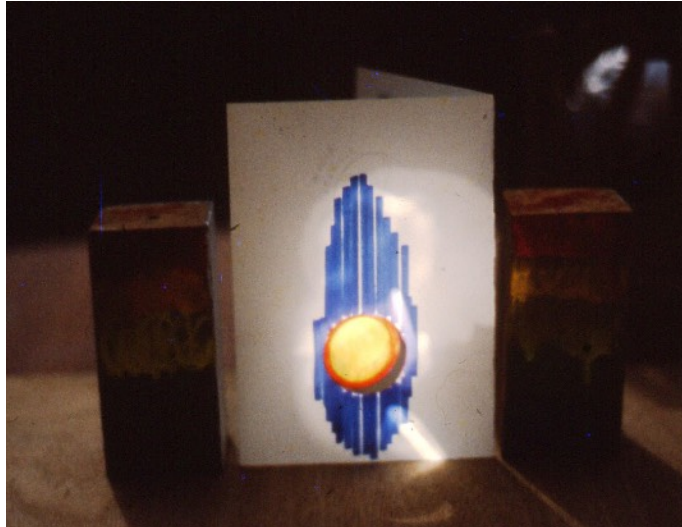
Humbert Camerlò's Archives - Original construction documents



Humbert Camerlò's Archives - Artworks



Humbert Camerlò's Archives - Photos



Humbert Camerlò's Archives - Videos



Tools Update



Full Moon Theatre

Planning, designing, building and performing

- Time planning
- Site layout planning
- Reflector design
- Site design
- Site simulation / validation
- Reflectors fabrication
- Reflectors assembling
- Theatre construction
- Performing

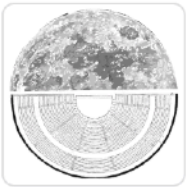
https://github.com/fullmoontheatre/fmt_planning

<https://github.com/fullmoontheatre/reflectors>

<https://github.com/fullmoontheatre/genmoonlight>

FMT event planning and site layout

- Planning the day
 - Approximately 6 consecutive nights 4 to 6 times per year, weather permitting
 - Full moon
 - Clear sky
 - Moon not too low, not too high in the sky
 - Moon at night
 - No wind
- Planning the site
 - Reflectors/audience orientation towards south (northern hemisphere)
 - Stage facing north (northern hemisphere)



Full Moon Theatre

Unfollow

1 follower

United Kingdom

https://fullmoontheatre.org

theatredelapleinelune

Theatredepleinelune

README.md



Full Moon Theatre

The aim of this organisation is to create an online “Full Moon Theatre Library” which will include all the tools, documentation and techniques that anyone could use to stage a Full Moon Theatre performance anywhere in the world in the future.

Contribution Guidelines

Contributing is simple!

You can contribute by forking our repositories and creating pull requests including your suggested designs, new features and bugfixes in the various repositories.

Useful resources

- Full Moon Theatre website
- Articles
 - THE FULL MOON THEATRE, by Peter Rice Ove Arup & Partners RFR on archiframe

View as: Public

You are viewing the README and pinned repositories as a public user.

Get started with tasks that most successful organizations complete.

Discussions

Set up discussions to engage with your community!

Turn on discussions

People



Invite someone

Full Moon Theatre Planning

https://github.com/fullmoontheatre/fmt_planning

This notebook is designed to help planning Full Moon Theatre events.

We start by importing the required external Python libraries.

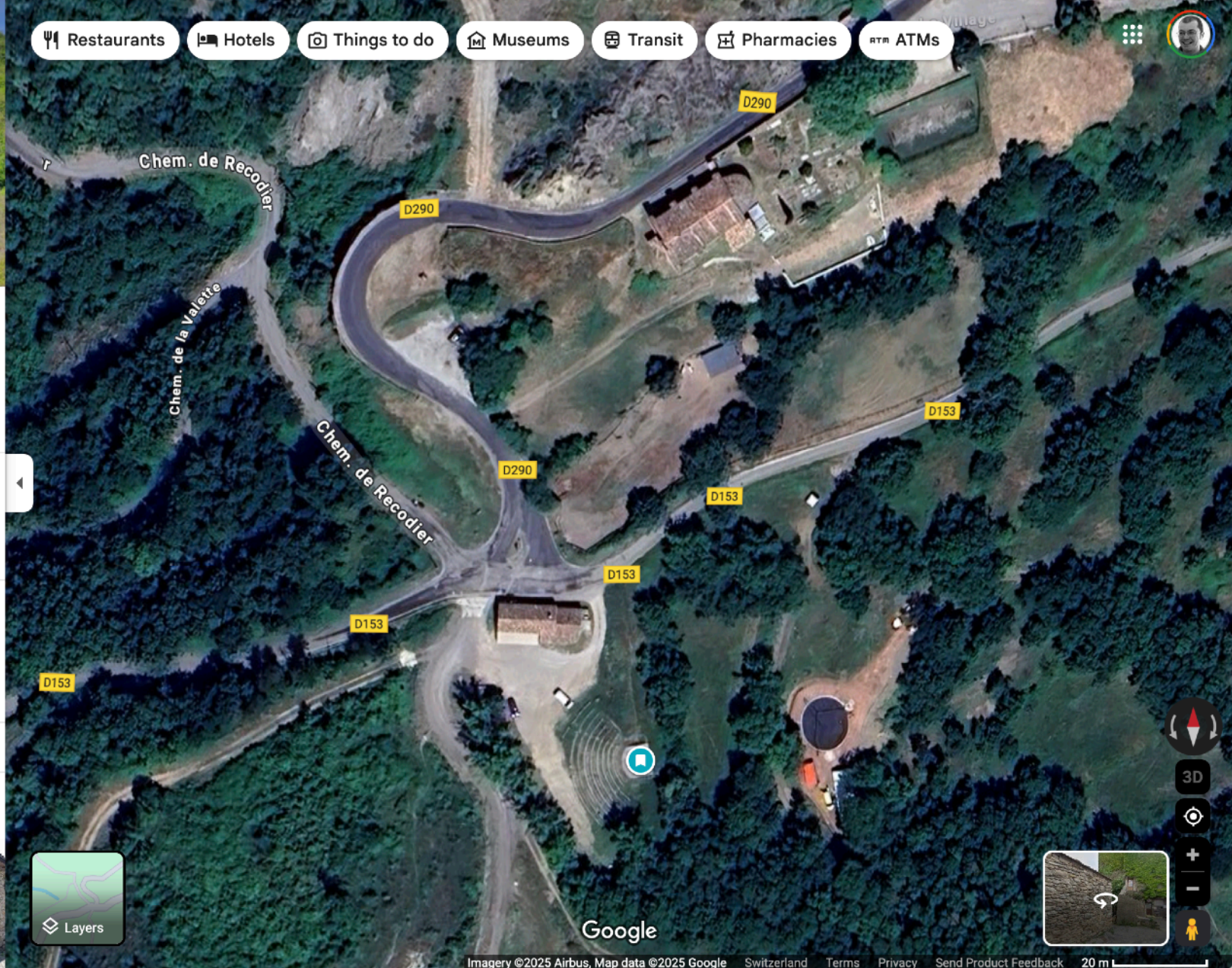
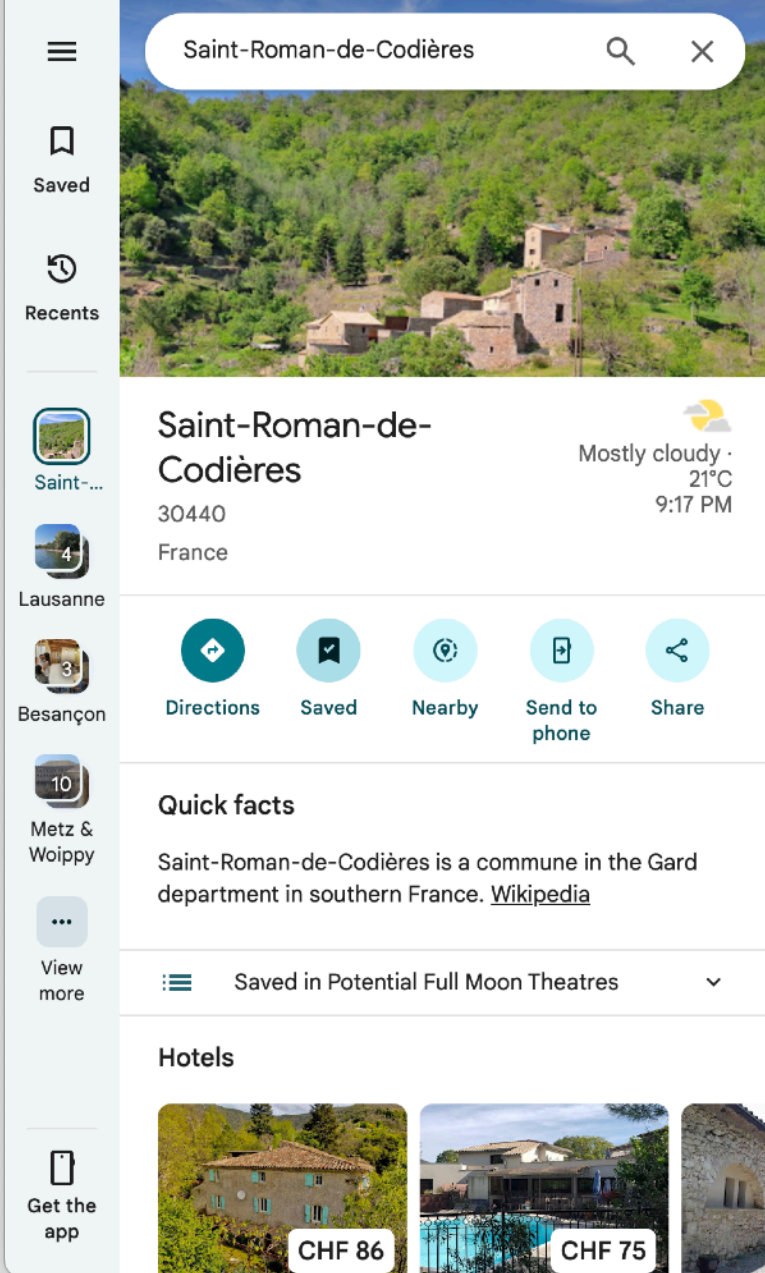
```
[7]: import matplotlib
import numpy as np
import matplotlib.pyplot as plt
import pandas as pd
import pylunar
import geopy
from geopy.geocoders import Nominatim
from datetime import datetime, timedelta
from os.path import join
import math
%matplotlib inline
```

We then select a location, the starting and ending dates for the Full Moon Theatre workshop and the target moment for the performance event.

The location should be indicated with the syntax "Location name, Country Code", for instance "Montpellier, FR".

```
[8]: # LOCATION_NAME = "Montpellier, FR"
# LOCATION_NAME = "Hooke Park, UK"
# LOCATION_NAME = "Jeddah, Saudi Arabia"
# LOCATION_NAME = "Mexico City"
# LOCATION_NAME = "Teatro di Segesta"
# LOCATION_NAME = "Teatro di Andromeda, Sicilia"
# LOCATION_NAME = "Monte Jato, Italy"
# LOCATION_NAME = "Rocca Palumba, Italy"
# LOCATION_NAME = "Castiglione di Sicilia CT, Italy"
# LOCATION_NAME = "La Grange, Causse de la Selle, FR"
# LOCATION_NAME = "Théâtre de Verdures, Pl. des Aires, 13500 Martigues"
LOCATION_NAME = "Saint-Roman-de-Codières, Occitanie"
# LOCATION_NAME = "Via S. Pietro, 31, 40064 San Pietro BO, Italy"
# LOCATION_NAME = "Valle dei Templi, Agrigento"
```

We use the Nominatim service to derive the latitude and longitude of the selected location.



Potential 2026 workshop in Saint Roman de Codières



[12]:

	year	month	day	day of the week	hour	minute	full moon azimuth	full moon altitude	highest moon hour	highest moon minute	highest moon azimuth	highest moon altitude	highest moon emoji
0	2025	9	7	Sunday	18	8	181.490270	40.887254	23	59	181.490270	40.887254	🌕
1	2025	10	7	Tuesday	3	47	173.944673	58.703693	23	59	173.944673	58.703693	🌕
2	2025	11	5	Wednesday	13	19	186.343502	67.682175	23	50	180.985724	67.752676	🌕
3	2025	12	4	Thursday	23	14	198.501785	72.364891	23	34	180.433613	73.054344	🌕
4	2026	1	3	Saturday	10	2	160.908370	70.318382	0	0	206.383086	72.042636	🌕
5	2026	2	1	Sunday	22	9	176.578422	64.245190	0	0	209.768579	66.723305	🌕
6	2026	3	3	Tuesday	11	37	172.614658	48.328721	0	0	190.858995	54.396972	🌕
7	2026	4	2	Thursday	2	11	173.364558	32.396885	0	0	186.297590	38.095619	🌕
8	2026	5	1	Friday	17	23	182.800669	24.465937	0	0	195.168407	27.644907	🌕
9	2026	5	31	Sunday	8	45	177.342378	17.469891	0	0	189.114892	18.501756	🌕
10	2026	6	29	Monday	23	56	182.183070	17.931031	23	51	180.369327	17.954266	🌕
11	2026	7	29	Wednesday	14	35	176.760460	26.151842	23	59	176.760460	26.151842	🌕
12	2026	8	28	Friday	4	18	172.941933	40.647047	23	59	172.941933	40.647047	🌕
13	2026	9	26	Saturday	16	48	185.725083	51.274940	23	48	181.430247	51.347545	🌕
14	2026	10	26	Monday	4	11	175.722982	66.501379	23	59	175.722982	66.501379	🌕
15	2026	11	24	Tuesday	14	53	186.134389	72.061221	23	51	180.470564	72.129496	🌕
16	2026	12	24	Thursday	1	28	150.017346	68.813698	0	0	194.853945	72.621194	🌕
17	2027	1	22	Friday	12	17	165.296493	63.743908	0	0	200.591004	68.087772	🌕
18	2027	2	20	Saturday	23	23	180.332977	55.014244	0	0	205.944164	59.111859	🌕
19	2027	3	22	Monday	10	43	175.921453	37.876292	0	0	192.065261	43.789388	🌕
20	2027	4	20	Tuesday	22	27	185.283812	28.528636	0	0	199.608413	32.046930	🌕
21	2027	5	20	Thursday	10	58	178.742294	19.251920	0	0	191.387734	20.925563	🌕
22	2027	6	19	Saturday	0	44	171.673362	18.818684	23	59	171.673362	18.818684	🌕
23	2027	7	18	Sunday	15	44	177.758392	23.966965	23	59	177.758392	23.966965	🌕
24	2027	8	17	Tuesday	7	28	175.042941	36.299296	23	59	175.042941	36.299296	🌕

The circular polar plot displays bird sighting data. The radial axis represents distance from the center, with concentric circles labeled from 0 to 90 in increments of 10. The angular axis represents direction, with radial lines labeled from 0 to 315 degrees in increments of 45. Data points are represented by colored dots: red dots for sightings between 00:00 and 06:00, and blue dots for sightings between 17:00 and 23:00. The dots are arranged in concentric arcs, indicating that sightings are more frequent at greater distances from the center. The background of the plot is a grayscale image of a snowy landscape with bare trees.



LeS

efte

Ouc

Neu

Bar

Con

Pro

Full

Hôt

Sea

Oka

Nar

Veg

EPF

Rac

Gor

Chr

AS1

+

search.earthdata.nasa.gov/search/granules/collection-details?p=C1711961296-LPCLOUD&pg[0...

MuseScore Instruments Accordions Grants Sites Bal Folk Code Maslow

Tabs KGX1 National Rail London-Undergro... NW One AIY sysPass

All Bookmarks

EARTHDATA SEARCH

Find a DAAC

Feedback

8

?

Q C1711961296-LPCLOUD

Search

Search Results (1 Collection)

Temporal

Spatial

Spatial

Rectangle

SW: 43.24953,3.43406

NE: 44.53426,3.93633

Granules

Showing 2 of 2 matching granules

ASTGTMV003_N43E003

START 2000-03-01 00:00:00

END 2013-11-30 23:59:59

ASTGTMV003_N44E003

START 2000-03-01 00:00:00

END 2013-11-30 23:59:59

View Granules

ASTGTM Version 003 DOI 10.5067/ASTER/ASTGTM.003

Related URLs

Data Set Landing Page

User's Guide

View All Related URLs

View More Info

Temporal Extent

2000-03-01 to 2013-11-30

Native Format

Cloud Optimized GeoTIFF (COG)

GIBS Imagery Projection Availability

Geographic

Science Keywords

EARTH SCIENCE

LAND SURFACE

TOPOGRAPHY

For Developers

5 m

> 8400 m

50 km

50 mi

Francesco

5

Central Massif

Mende

Flornac Trois Rivières

Millau

Rodez

Aurillac

Castres

Carcassonne

Narbonne

Perpignan

Alès

Nîmes

Montpellier

Béziers

Roanne

Vichy

Clermont-Ferrand

Saint-Flour

Saint-Etienne

Auvergne-Rhône-Alpes

SEVANNES

Gulf of Lion

v25.3.1-7

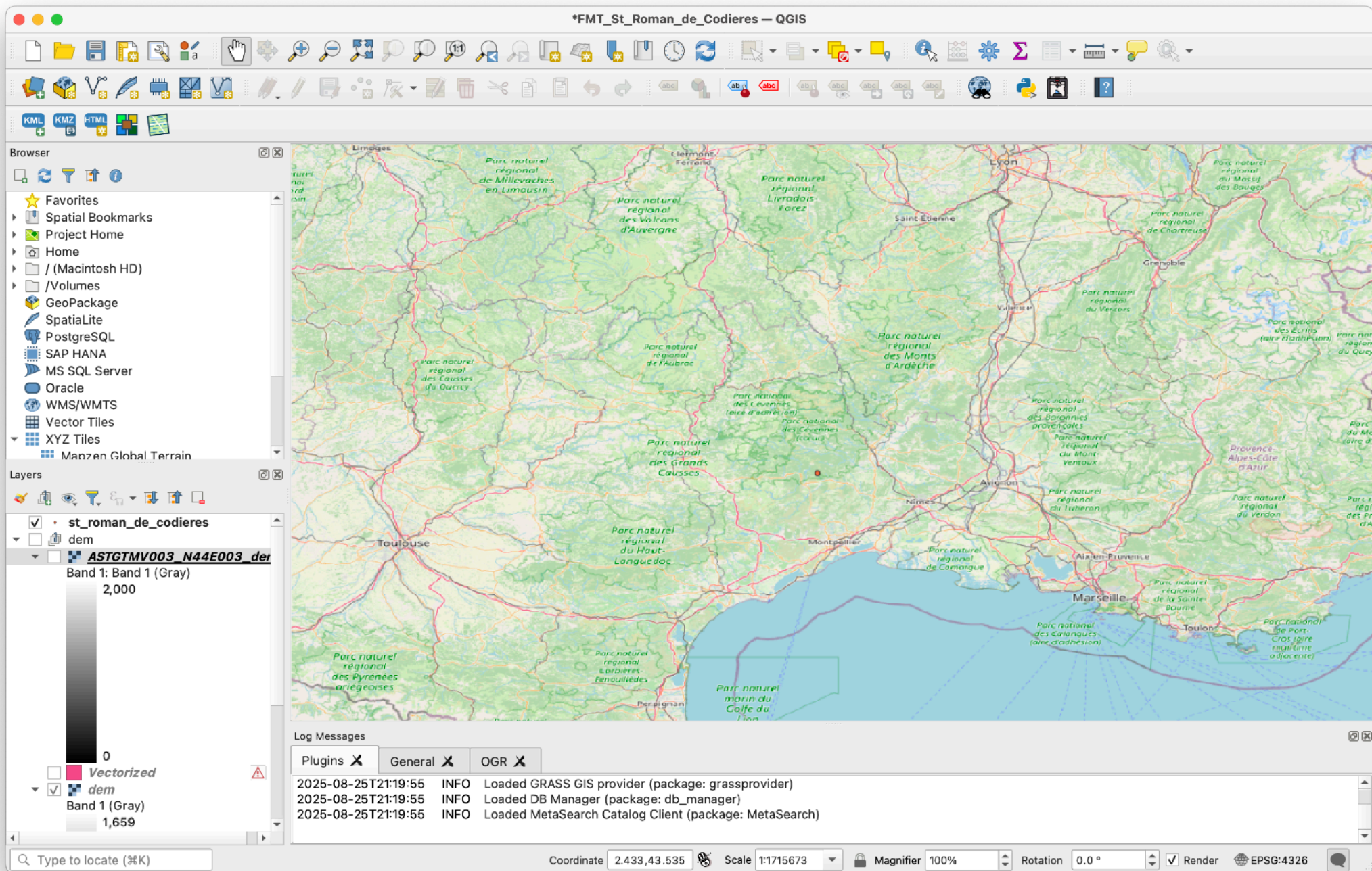
NASA Official: Doug Newman

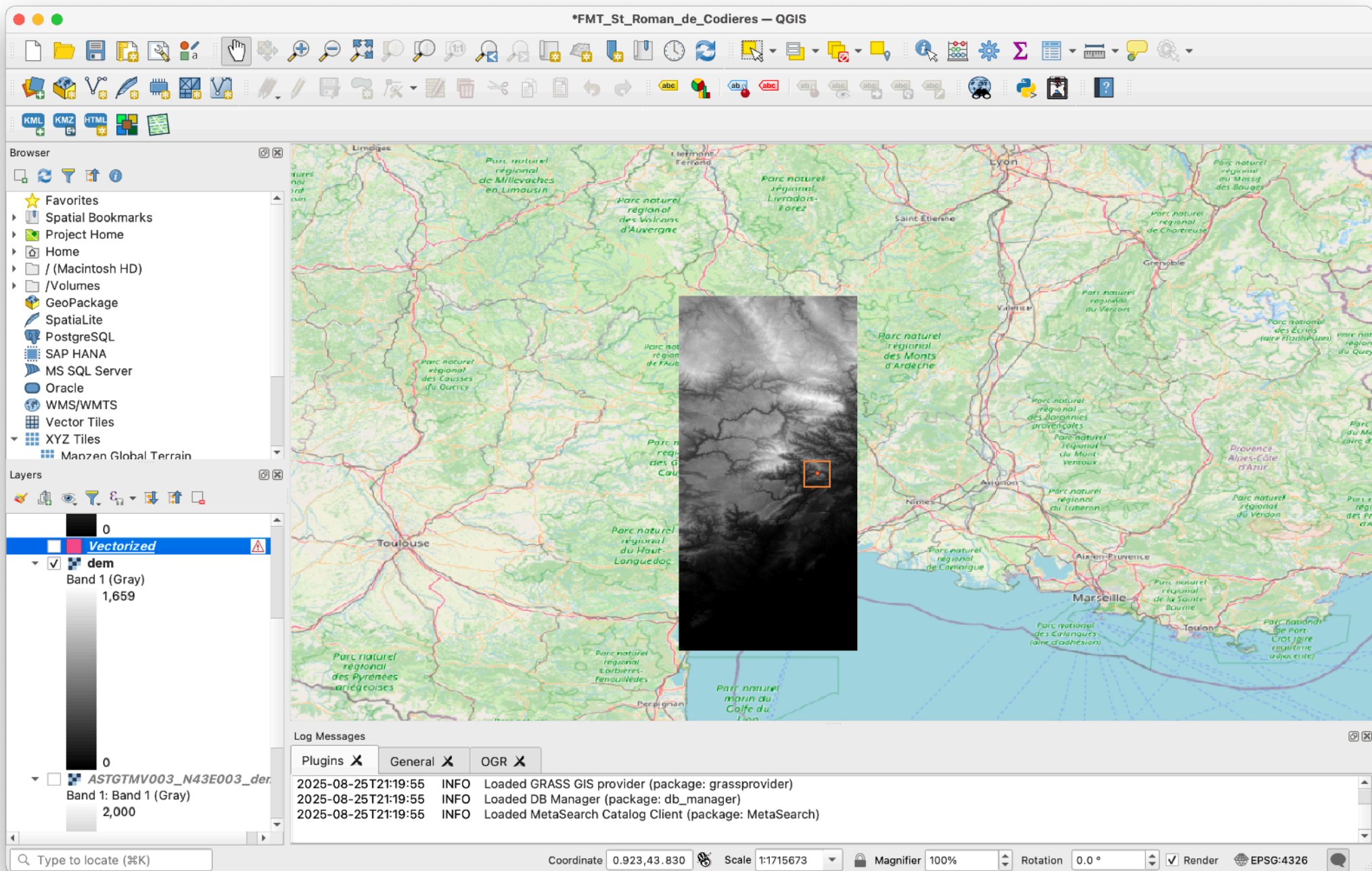
FOIA

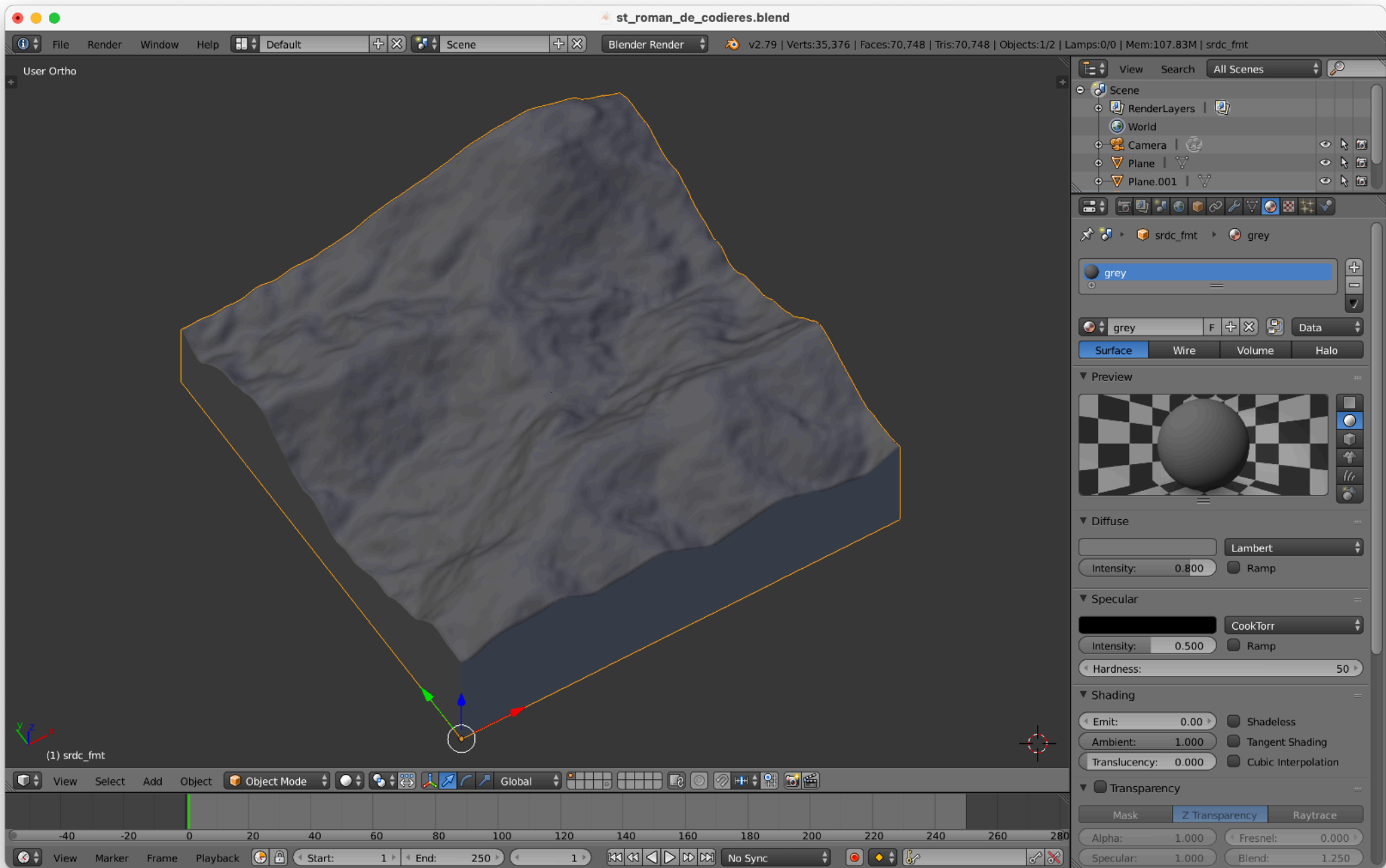
NASA Privacy Policy

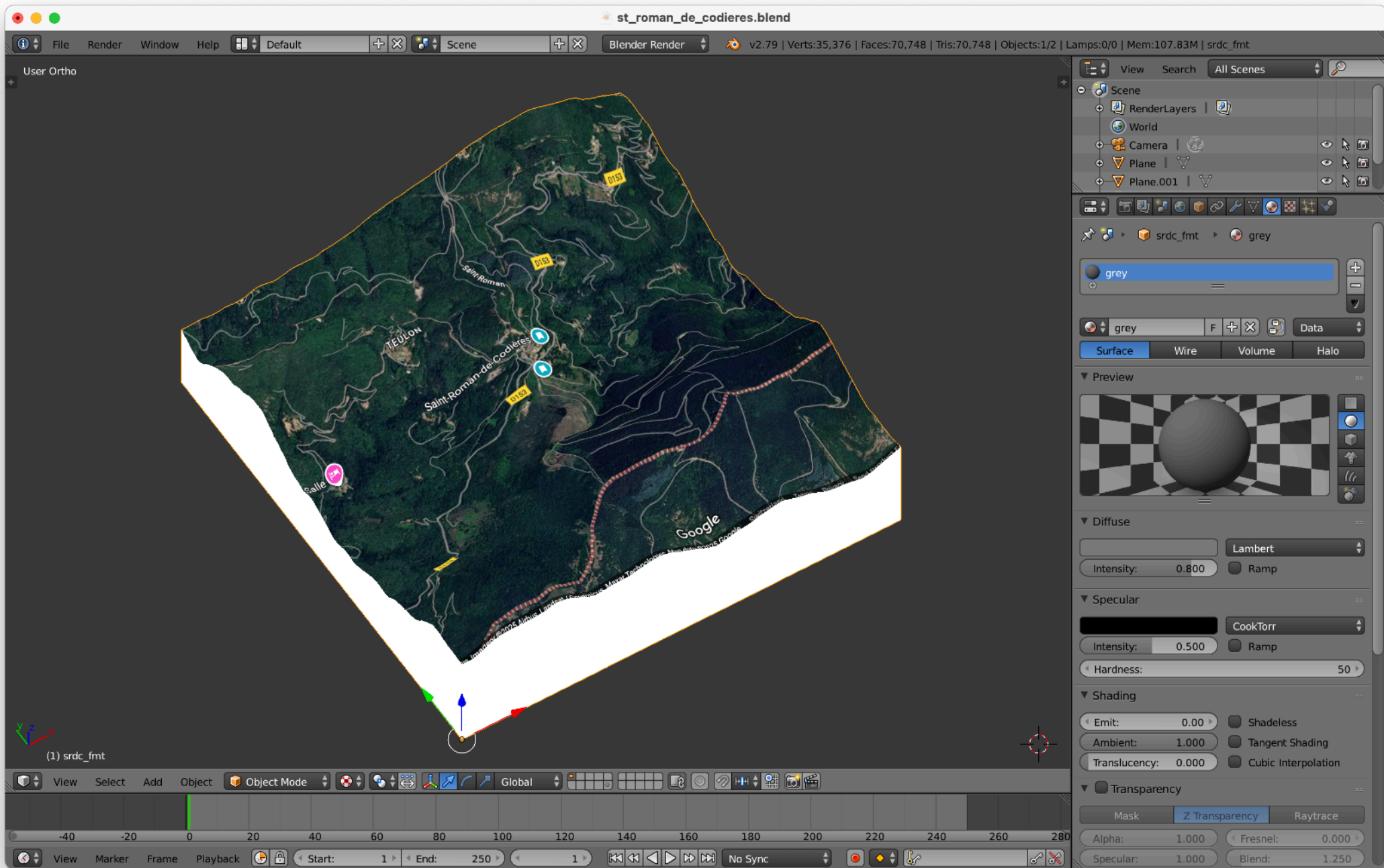
USA.gov

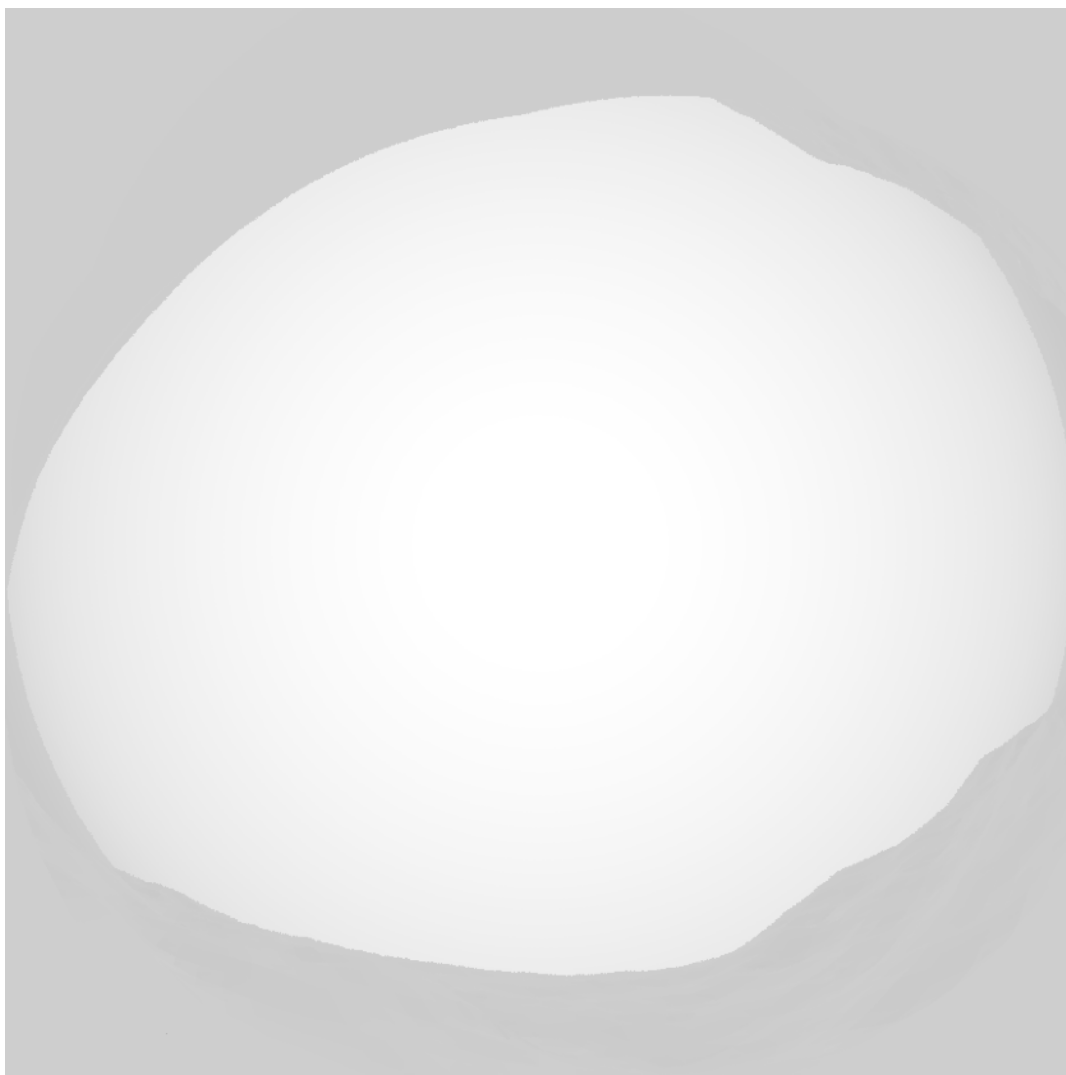
Earthdata Access: A Section 508 accessible alternative





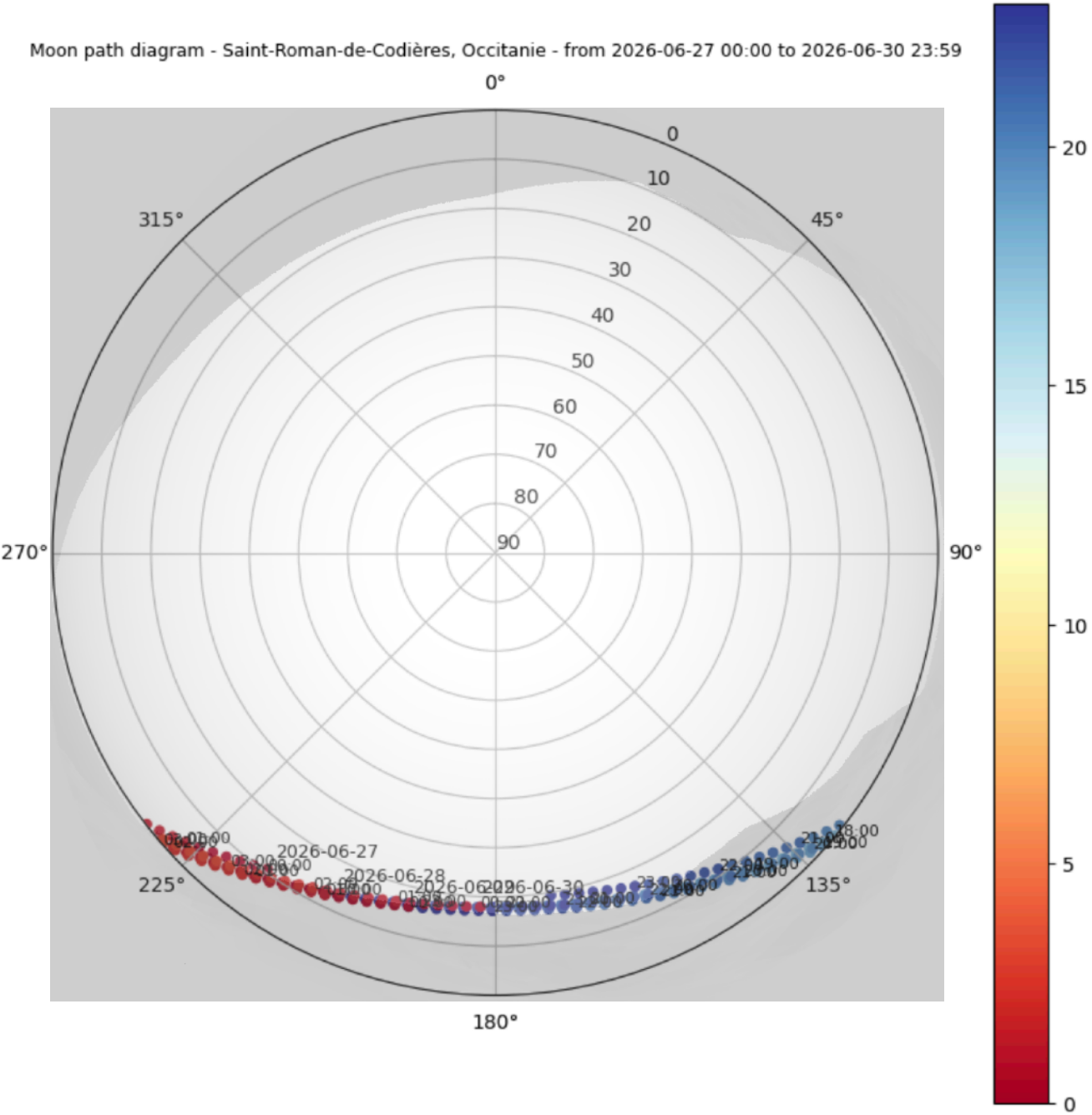






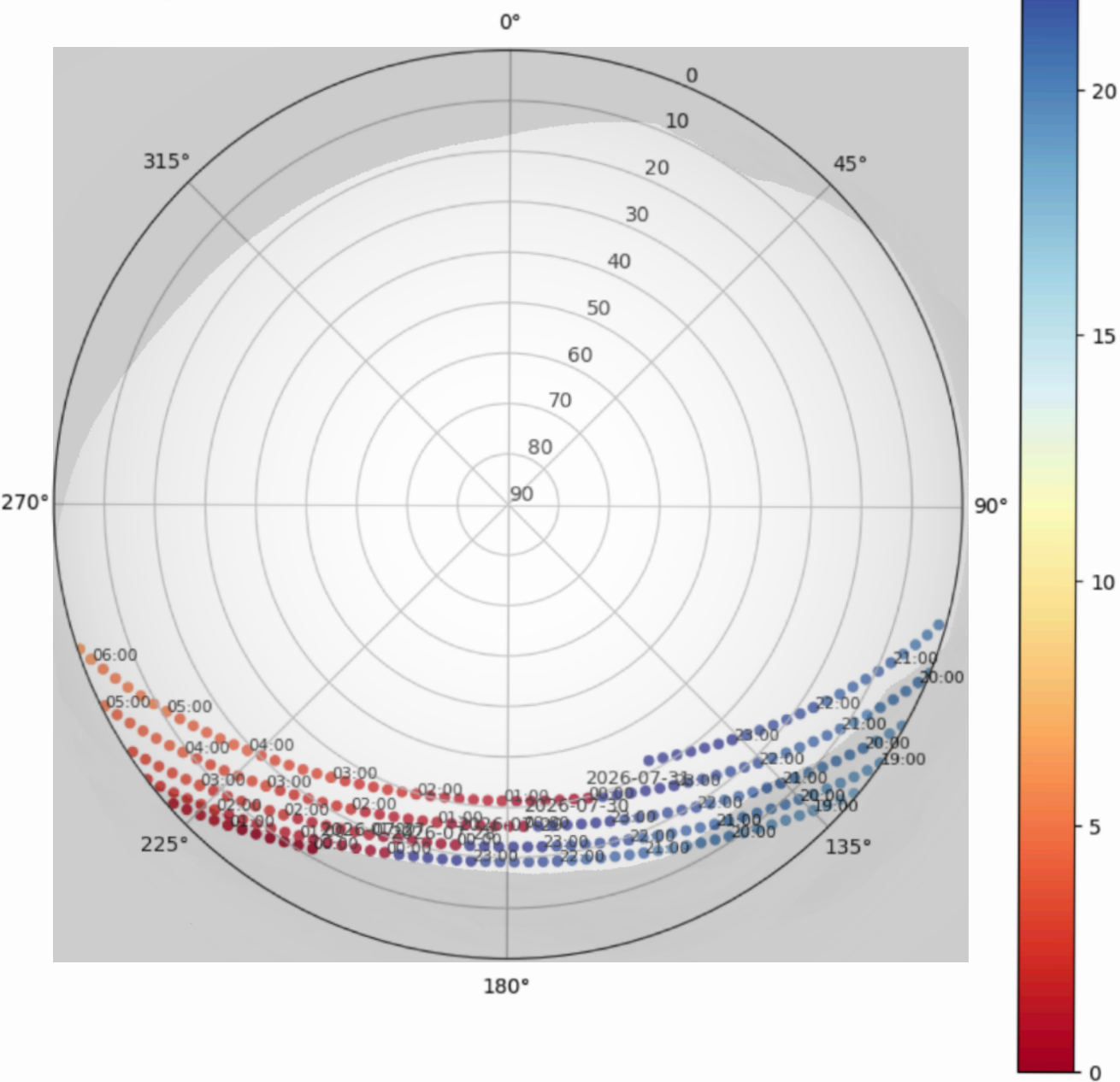
June
2026

Moon path diagram - Saint-Roman-de-Codières, Occitanie - from 2026-06-27 00:00 to 2026-06-30 23:59



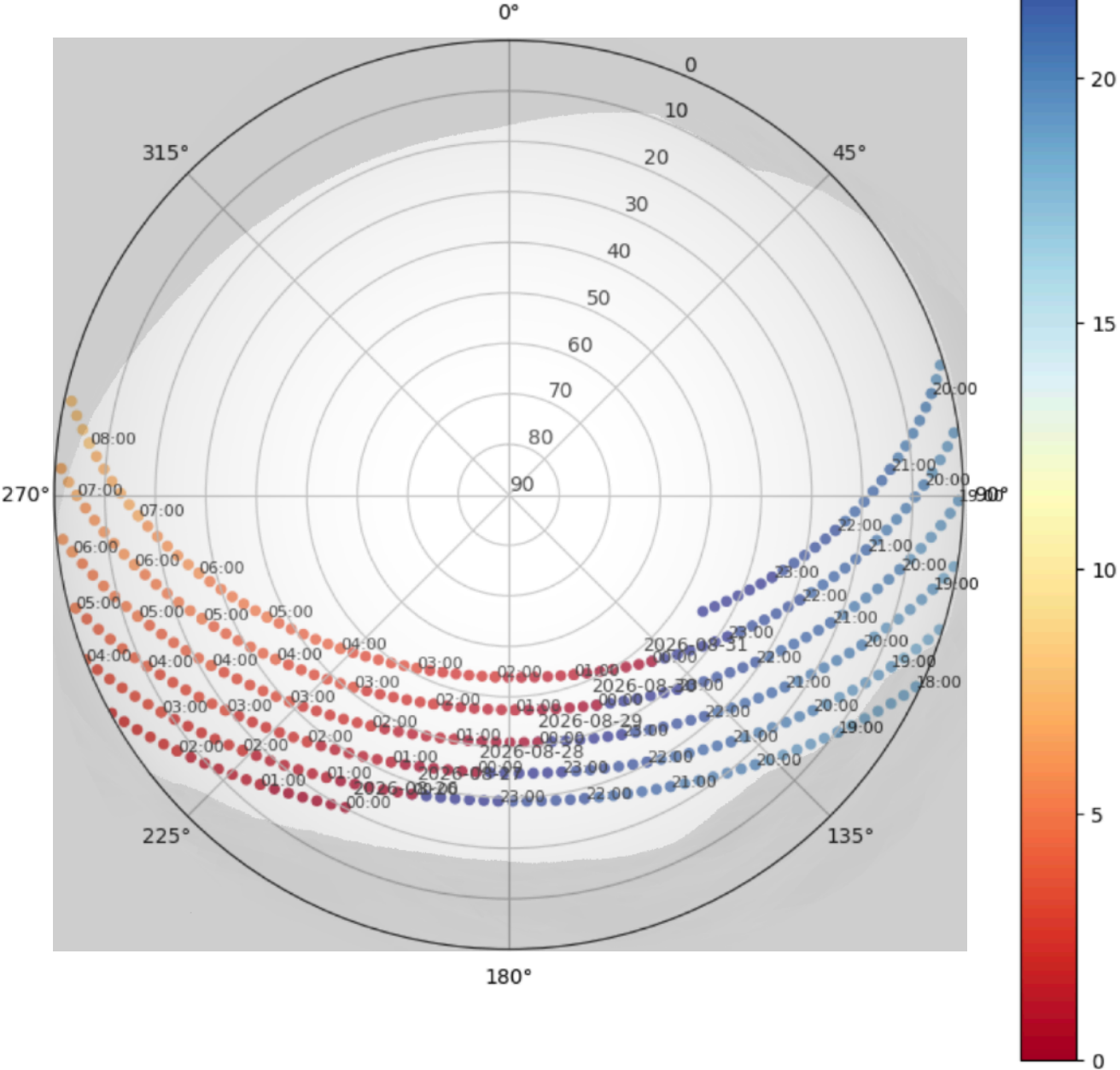
July
2026

Moon path diagram - Saint-Roman-de-Codières, Occitanie - from 2026-07-27 00:00 to 2026-07-31 23:59



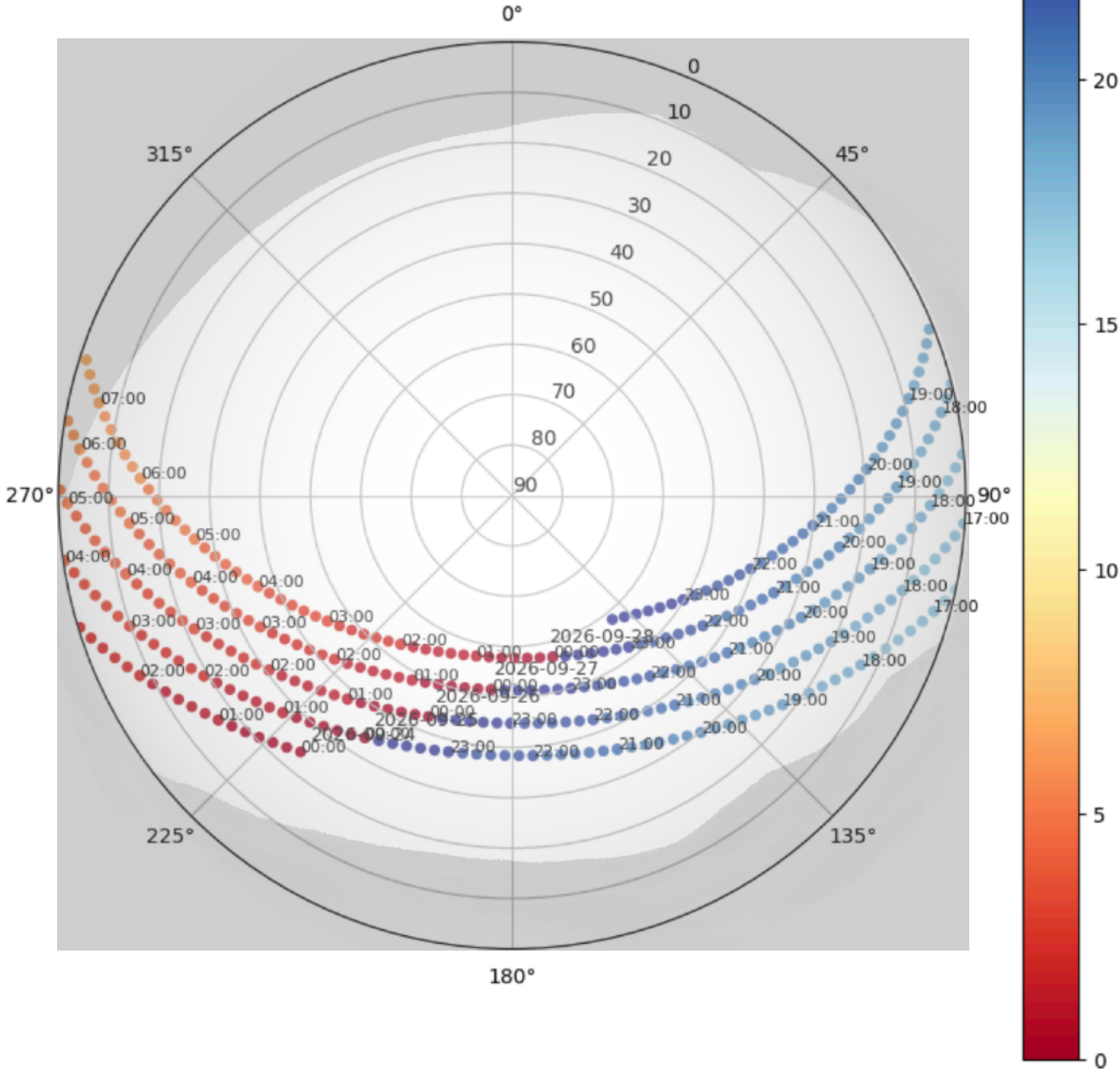
August
2026

Moon path diagram - Saint-Roman-de-Codières, Occitanie - from 2026-08-26 00:00 to 2026-08-31 23:59



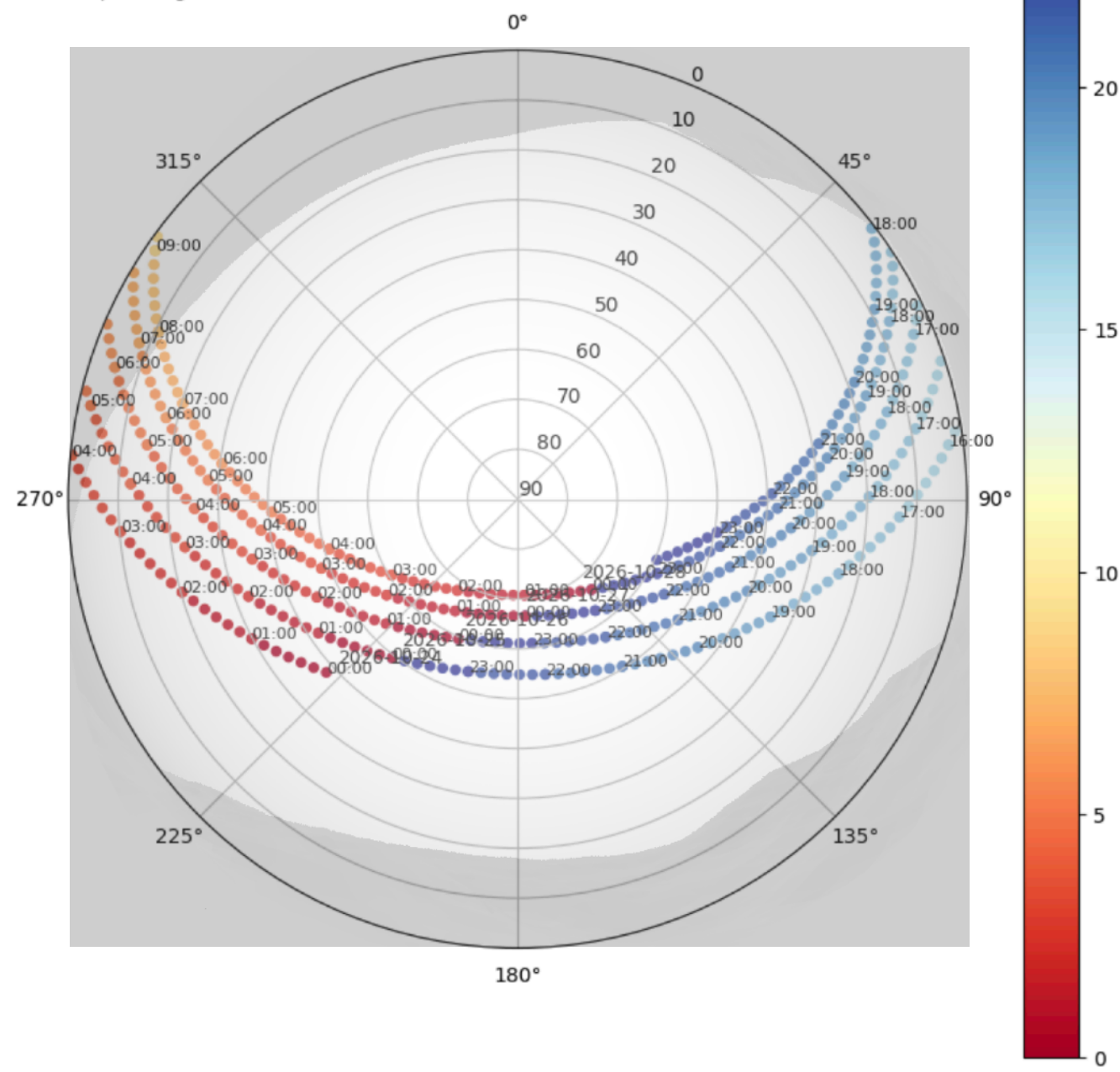
September 2026

Moon path diagram - Saint-Roman-de-Codières, Occitanie - from 2026-09-24 00:00 to 2026-09-28 23:59



October
2026

Moon path diagram - Saint-Roman-de-Codières, Occitanie - from 2026-10-24 00:00 to 2026-10-28 23:59





A python script to generate a Radiance file description of the moon at a specific location, date and time.

```
python3 -m pip install -r requirements.txt
```

[illegible]

```
usage: genmoonlight.py [-h] [-a LATITUDE] [-o LONGITUDE] [-m MERIDIAN]
                      [-d DATE] [-t TIME]
```

optional arguments:

```
-h, --help          show this help message and exit
-a LATITUDE, --latitude LATITUDE
                    latitude
-o LONGITUDE, --longitude LONGITUDE
                    longitude
-m MERIDIAN, --meridian MERIDIAN
                    meridian
-d DATE, --date DATE  date - format: YYYY-MM-DD
-t TIME, --time TIME  time - format: HH:MM
```


<https://github.com/fullmoontheatre/genmoonlight>

```
$ ./genmoonlight.py -a 50.790707850000004 -o -2.6816552948061627 -m 0 -d 2023-10-28 -t 23:00
```

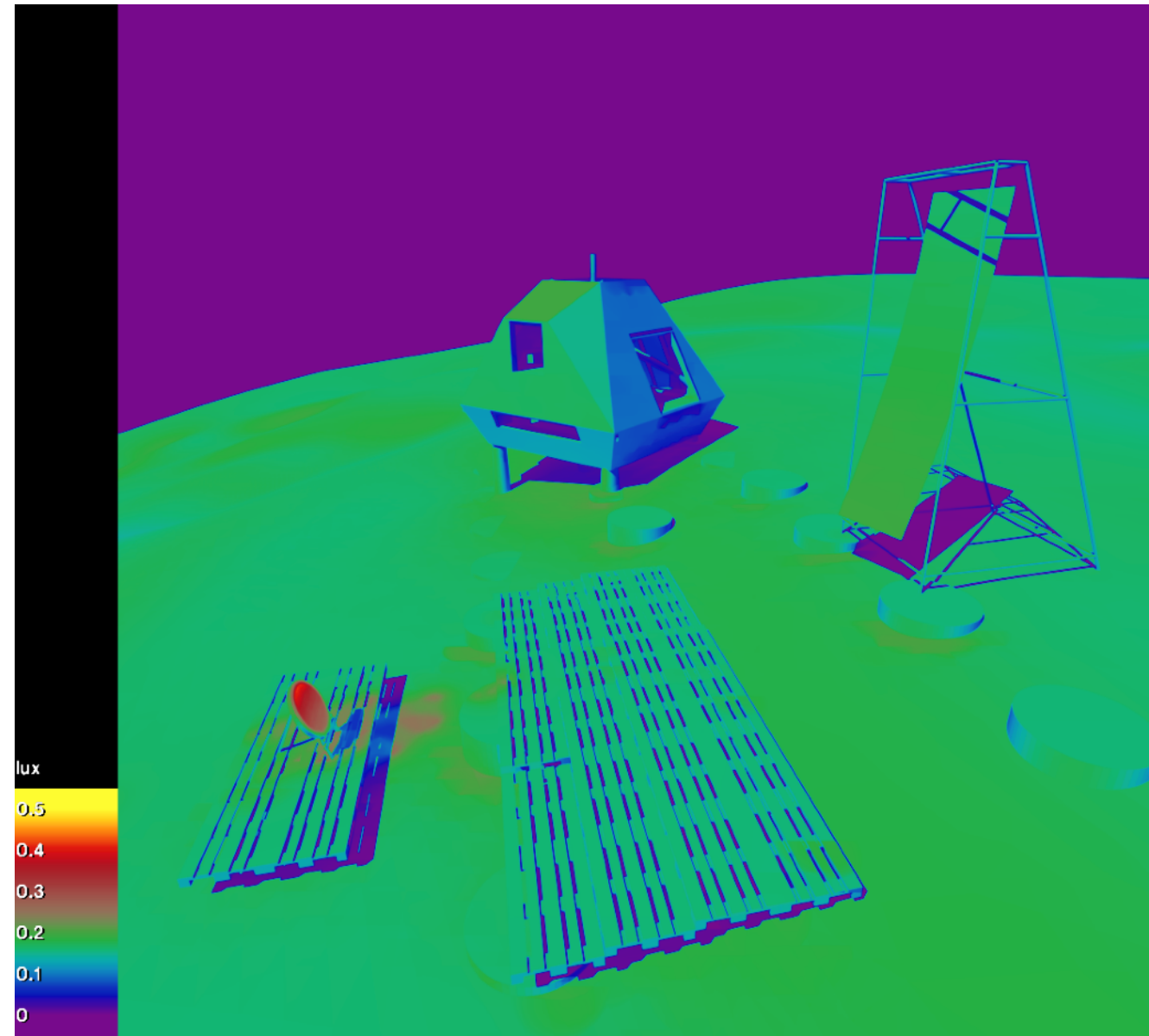
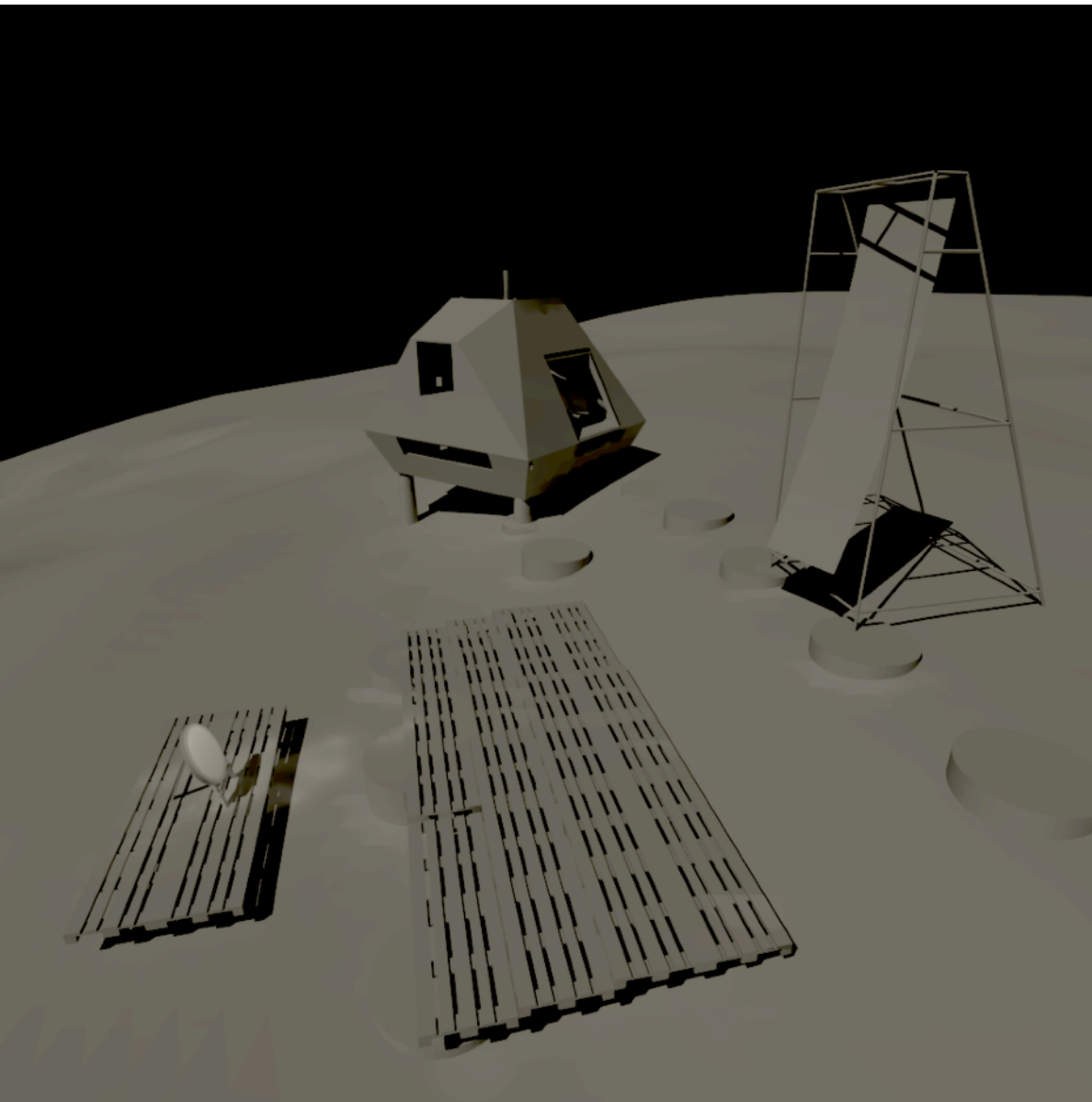
```
# Moon data for 2023-10-28 23:00
# Location - latitude: 50.790707850000004 | longitude: -2.6816552948061627
# Target Moon's azimuth: 156.55337260727157
# Target Moon's altitude: 51.48679241644569
# Target Moon's angular size: 0.5461606174045139
# Target Moon's age (days): 14.211730042770796
# Target Moon's fractional phase: 0.9997474211255863
# Target Moon's phase name: WANING_GIBBOUS
# Distance of target Moon's from Earth: 365075.8837129292 km

# Lunar altitude 51.48679241644569 deg, azimuth 156.55337260727157 deg
# lunar age 14.211730042770796 days, disc illum fraction 0.9997474211255863, angular disc size 0.5461606174045139

void light_lunar
0
0
3 16.371726561054125 15.592120534337262 13.253302454186672

lunar_source_moon
0
0
4 0.2477670055152368 -0.571279794378561 0.7824646365892849 0.5461606174045139
```

FMT reflector simulation and validation - Radiance



Reflectors Update



reflectors Public

Edit Pins

Unwatch 1

Fork 0

Star 0

main

1 Branch

0 Tags

Go to file

Add file

<> Code

pisuke hypatia	ab09a34 · 5 days ago	7 Commits
archimedes	archimedes, aristarchus and hipatia updates	last week
aristarchus	archimedes, aristarchus and hipatia updates	last week
copernic/photos	initial reflectors designs	2 years ago
hypatia	hypatia	5 days ago
kepler	initial reflectors designs	2 years ago
stars	stars instead of galileo	last week
tycho/photos	initial reflectors designs	2 years ago
LICENSE	Initial commit	2 years ago
README.md	Update README.md	2 years ago

README

CC0-1.0 license

FMT reflectors

About

Full Moon Theatre reflector designs

- Readme
- CC0-1.0 license
- Activity
- Custom properties
- 0 stars
- 1 watching
- 0 forks
- Report repository

Releases

No releases published
[Create a new release](#)

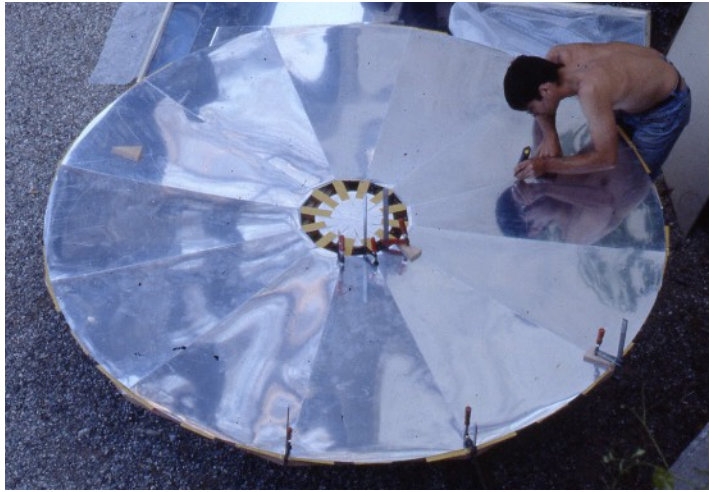
Packages

No packages published
[Publish your first package](#)

Languages



Archimedes



Kepler



"Historical" reflectors

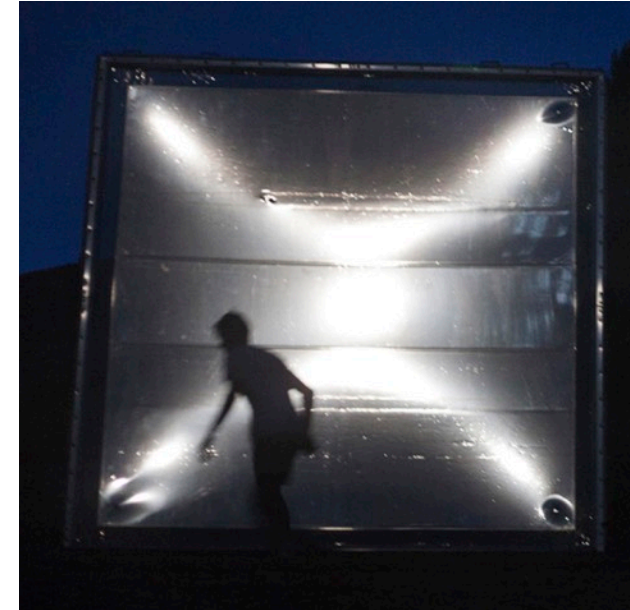
Copernic



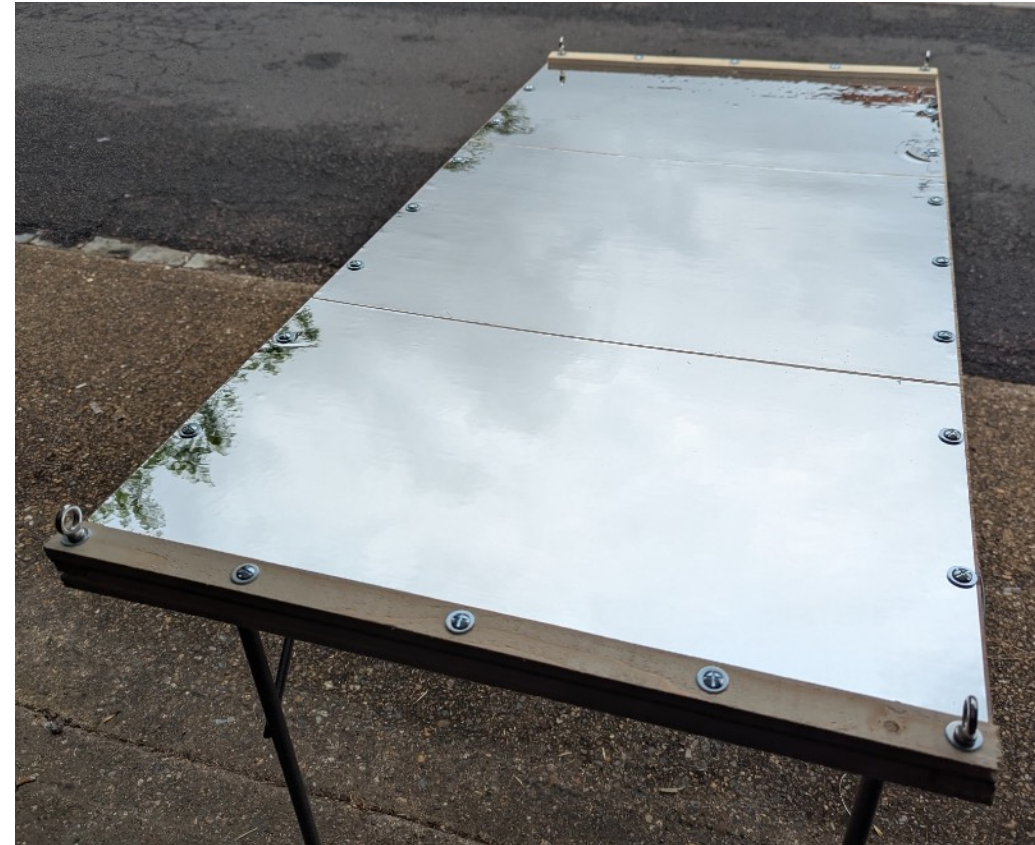
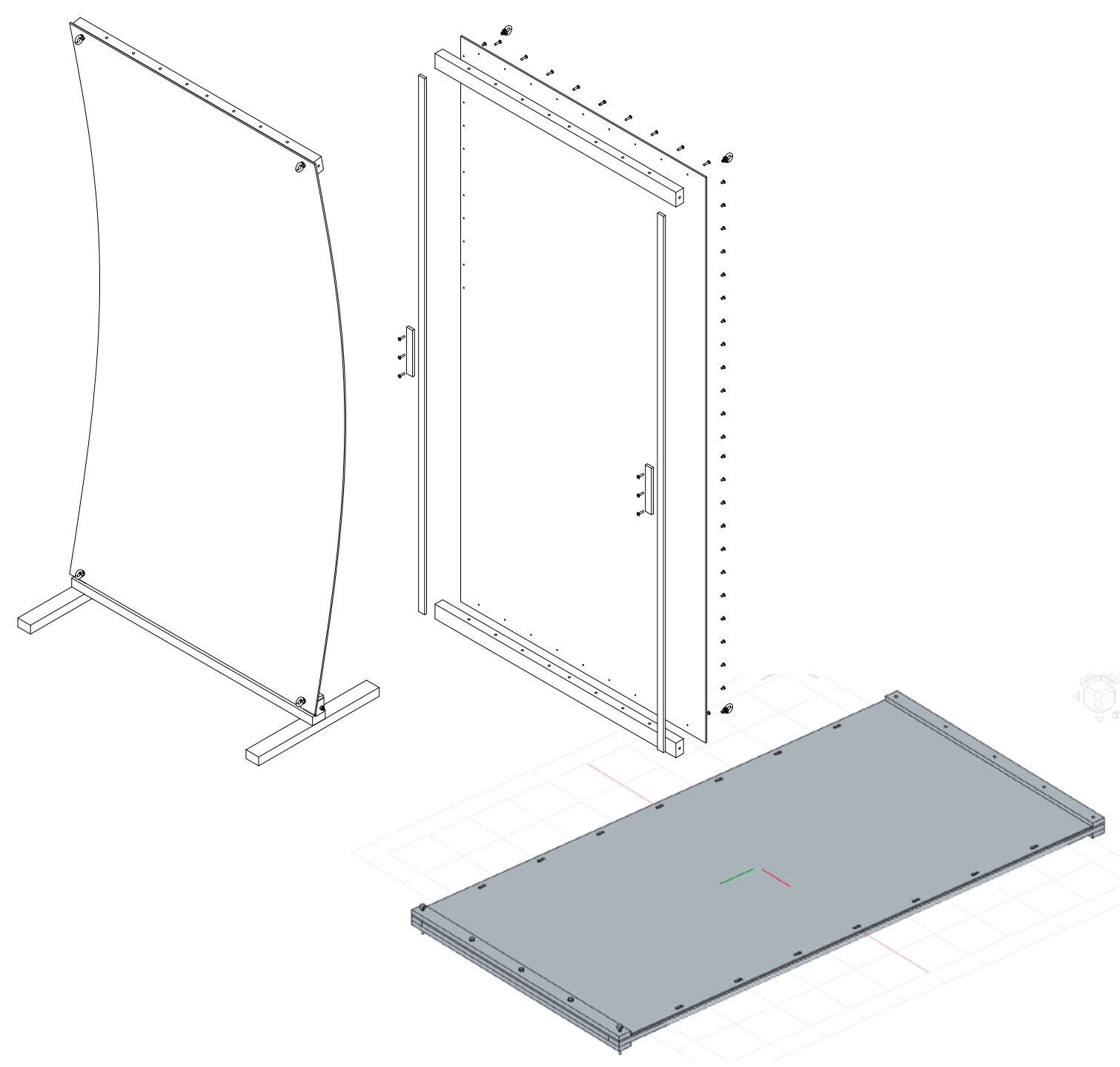
Stars



Tycho

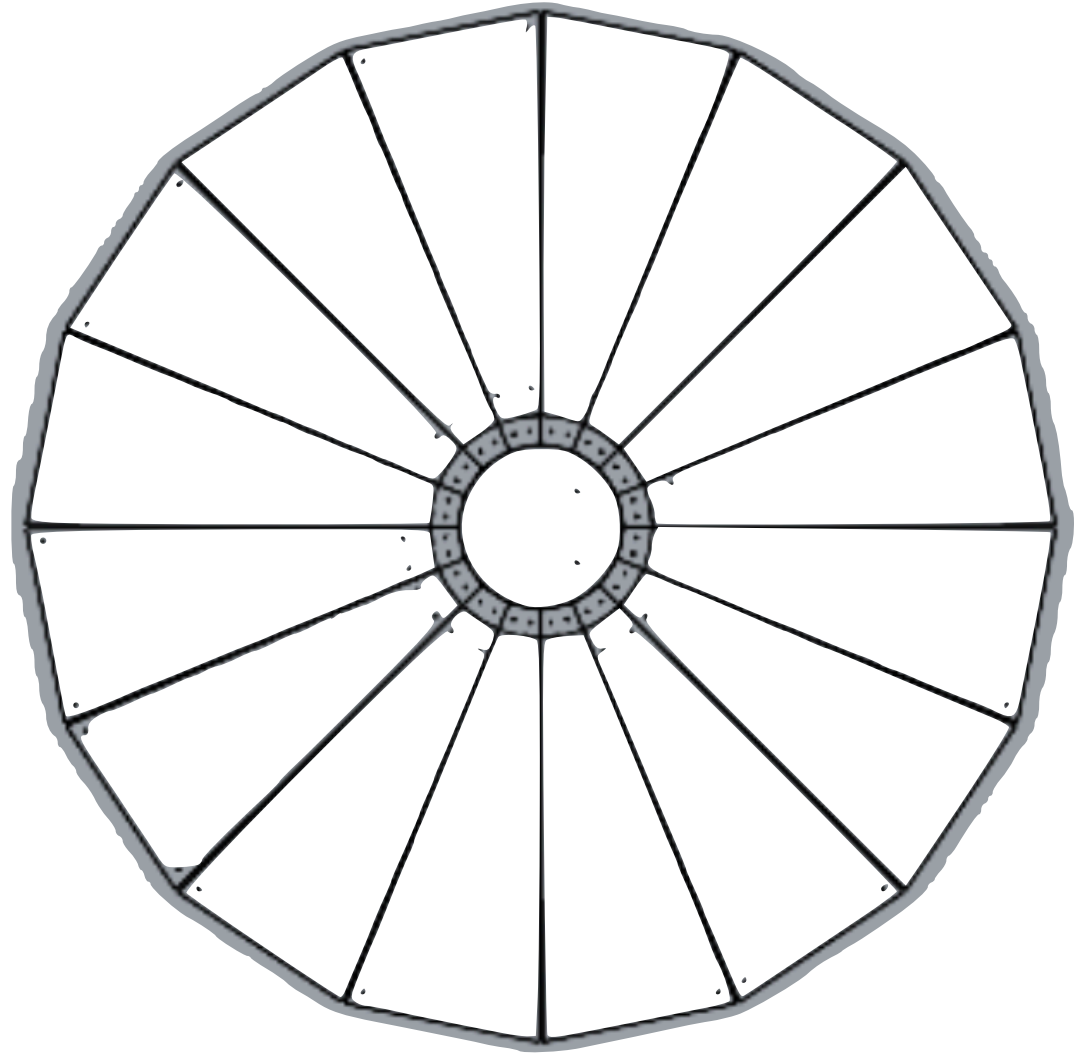


Hypatia v2





Archimedes v2





Tycho v2



Reflectors comparison

	Copernic	Kepler	Stars	Archimedes	Archimedes v2	Tycho	Tycho v2	Aristarchus	Hypatia
Inexpensive	✗	✓	✗	✓	✓	✗	✓	✓	✓
Lightweight	✗	✓	✗	✓	✓	✗	✓	✓	✓
Easy to aim	✗	✓	✗	✓	✓	✓	✓	✓	✓
Adjustable focus	✓	✗	✓	✗	✓	✓	✓	✓	✓
Easy to focus	✗	✗	✗	✗	✓	✓	✓	✗	✓
Adaptable size	✗	✓	✗	✗	✓	✗	✓	✗	✓
Easy disassemble	✗	✗	✗	✗	✓	✗	✗	✗	✓
Easy transport	✗	✓	✗	✗	✓	✗	✓	✗	✓

Next Steps

FMT Exhibition at the Cosmic House -
September 2025

Online archive

Sicily Workshop - Autumn 2025
(not yet confirmed)

Complete reflectors library

Improve web tools

FMT book - 2026

FMT Exhibition at University Paris Malaquais
December 2025 - June 2026

St Roman de Codières Workshop -
Summer 2026

Hooke Park Workshop - Spring 2026



<https://fullmoontheatre.org/>
theatredelapleinelune@gmail.com
francesco.anselmo@aaschool.ac.uk

Thank you!

Full Moon Theatre



Architectural Association
School of Architecture