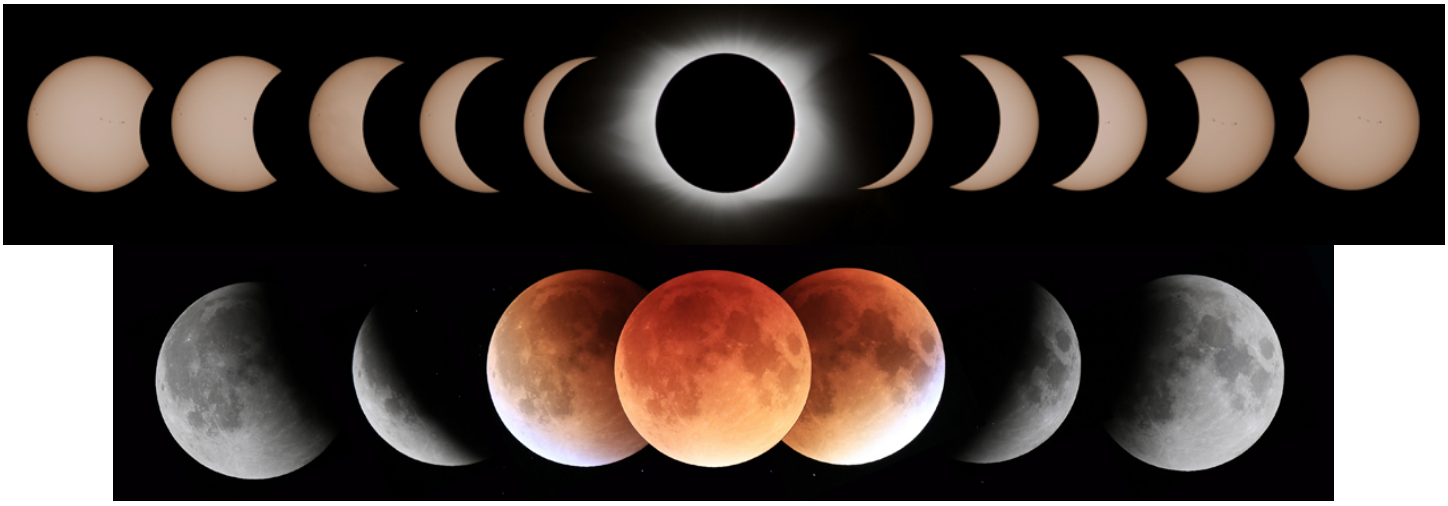
LES ÉCLIPSES

par Philippe Moussette

- Explication

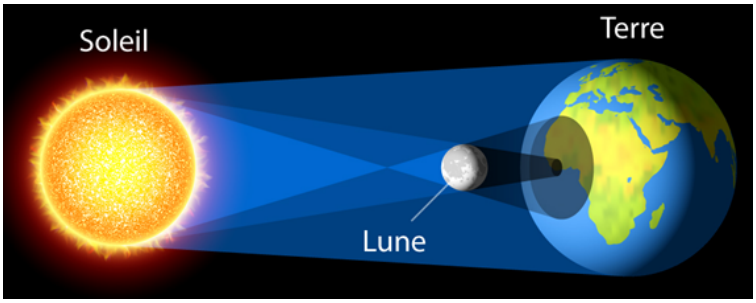
* Les prochaines éclipse

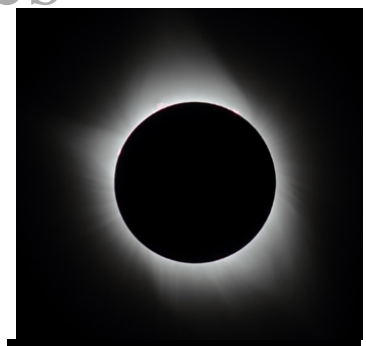
* Les trucs pour les photographier



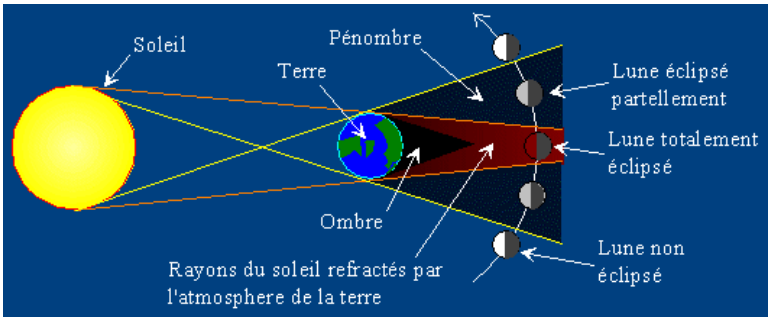
Les sortes d'éclipses

Éclipse solaire



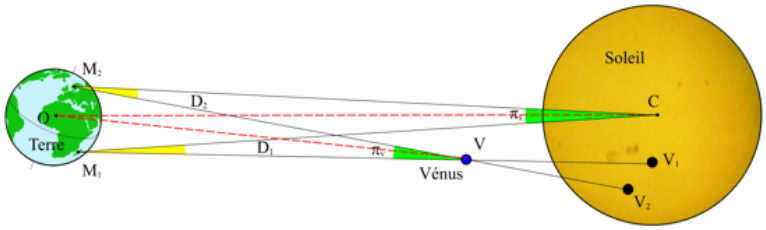


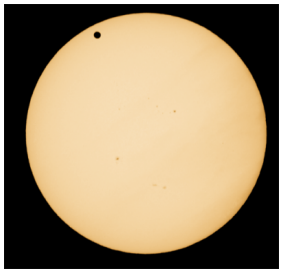
Éclipse lunaire

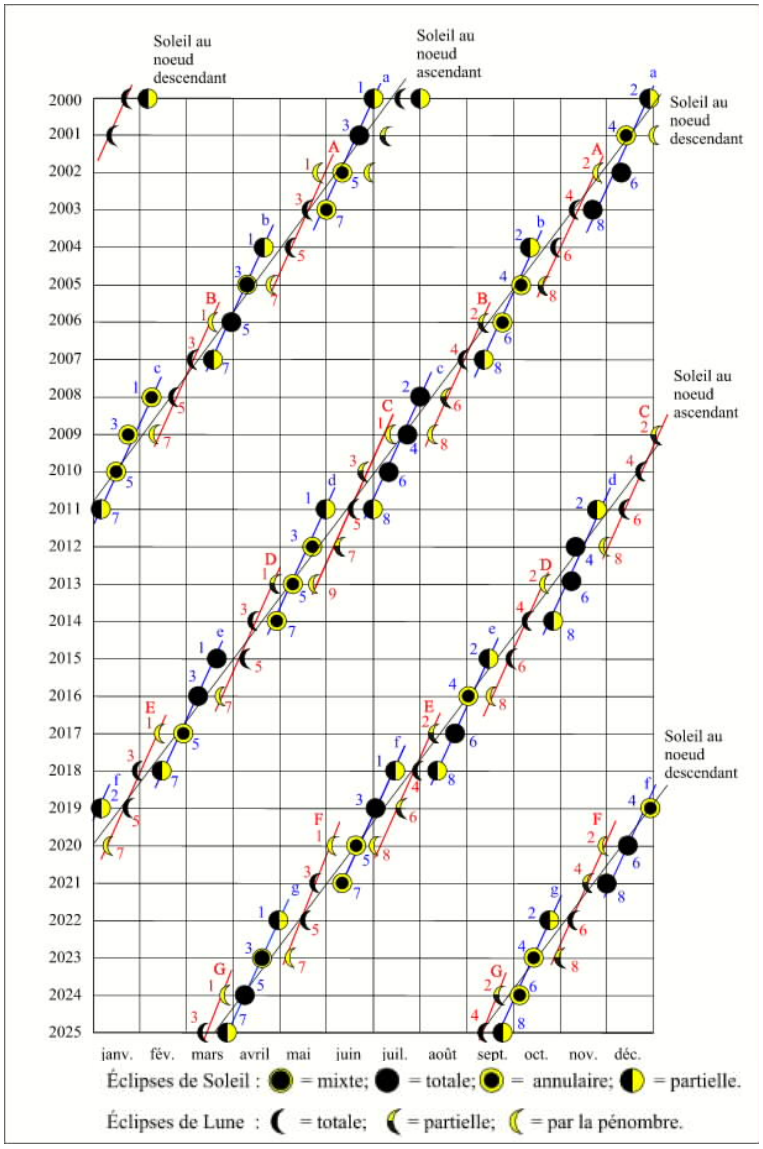




Transit







Formation des éclipses

Éclipse solaire



Totale



Annulaire



partielle

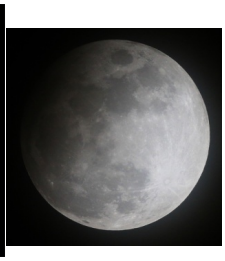
Éclipse lunaire



Totale



Partiele



Pénmbrale

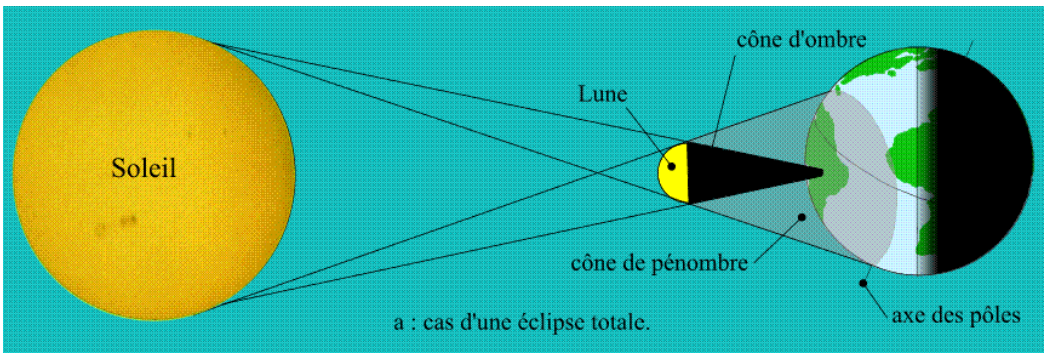
Éclipse solaire





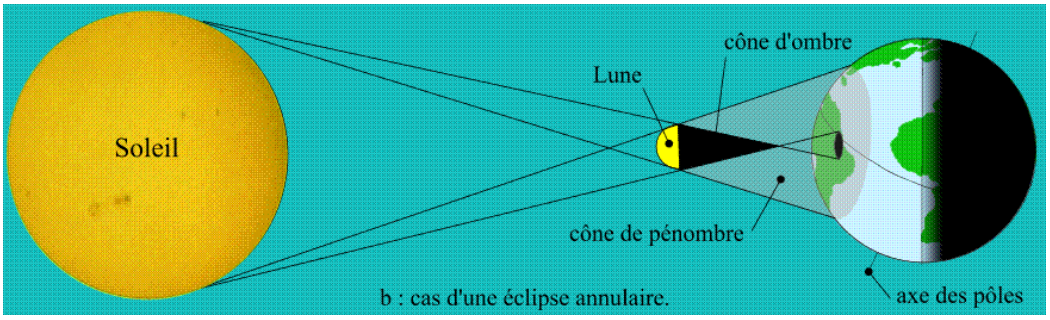
21 août 2017

Le phénomaine

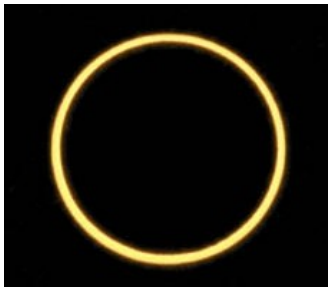


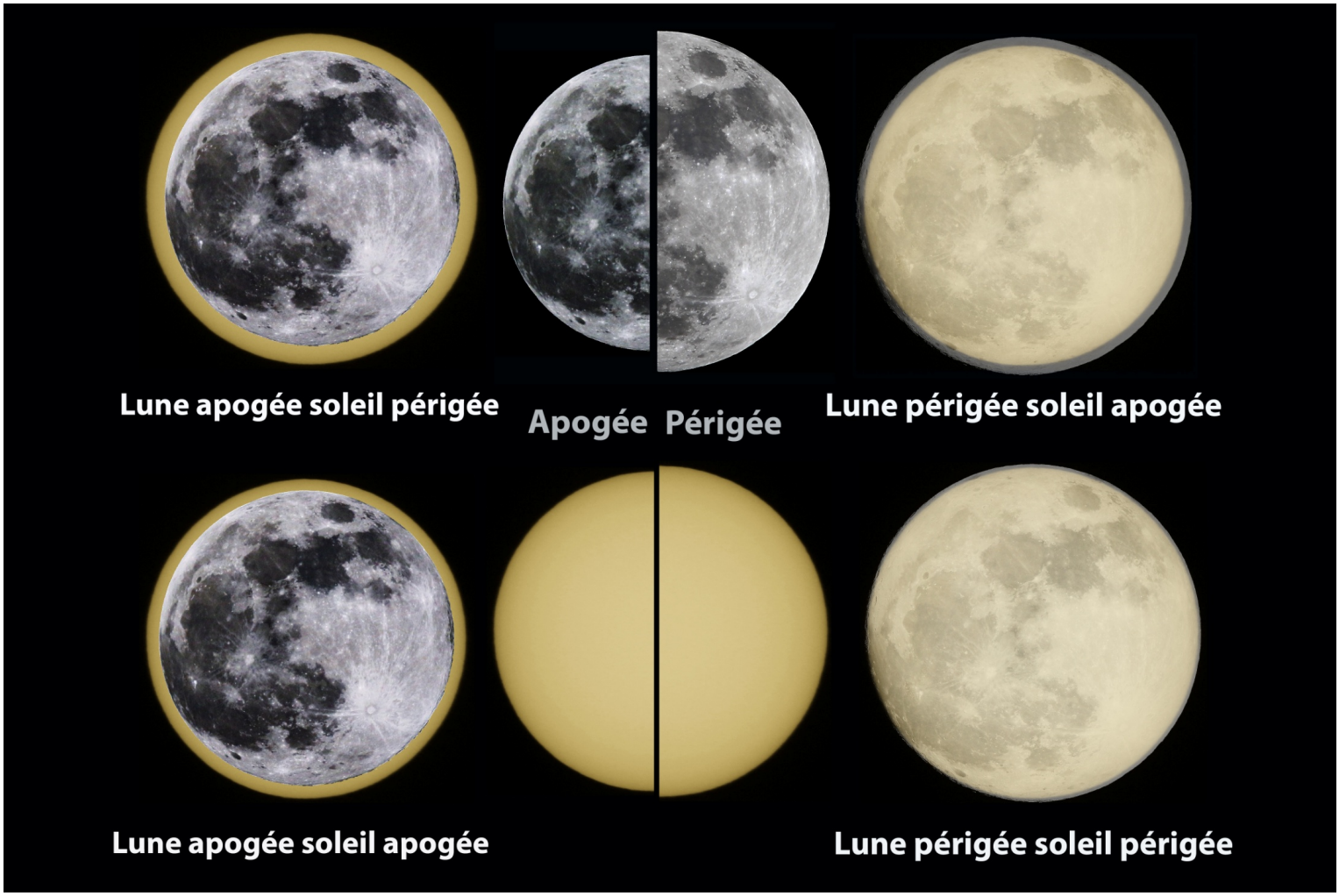
a : cas d'une éclipse totale.



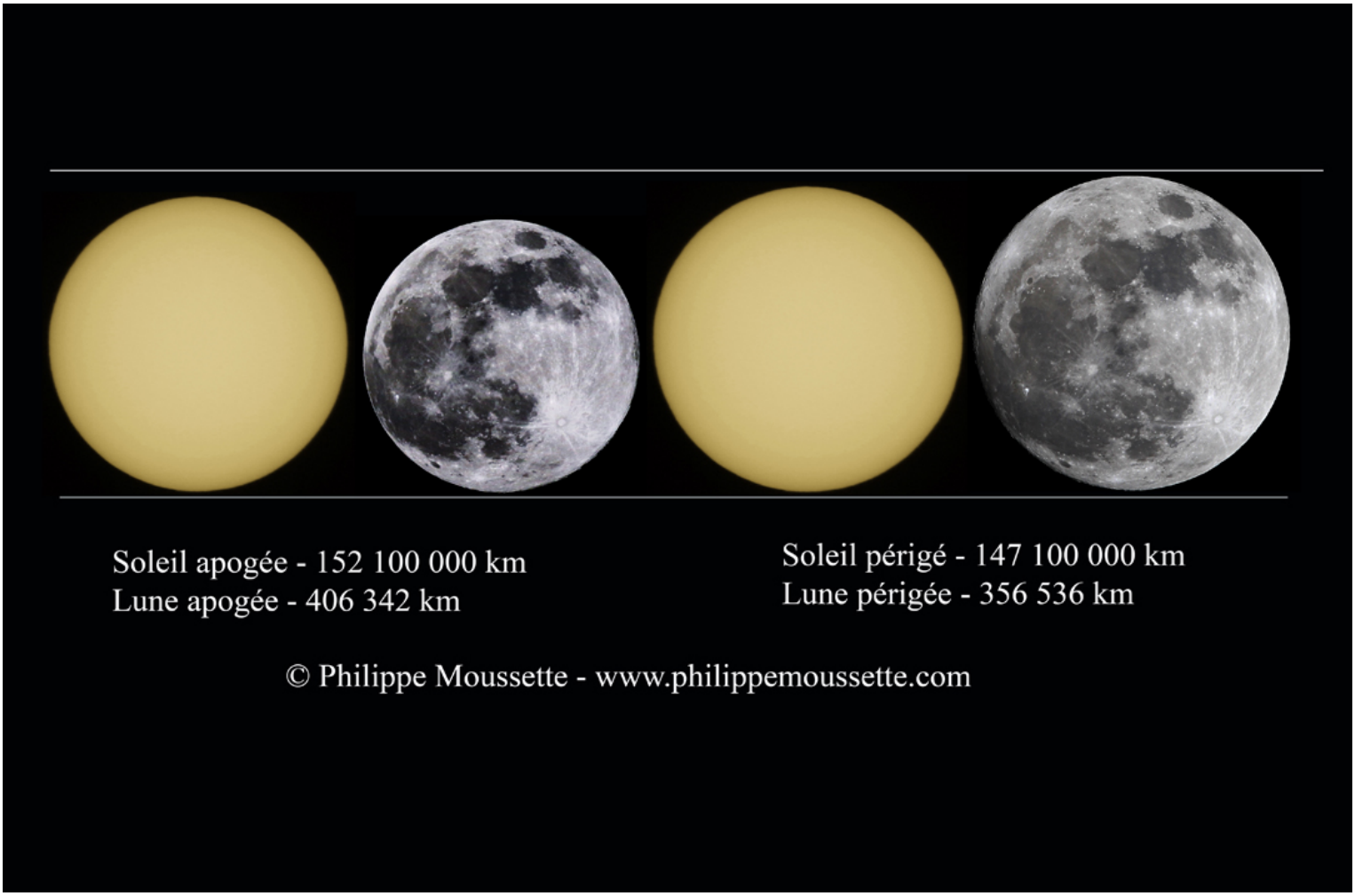


b : cas d'une éclipse annulaire.

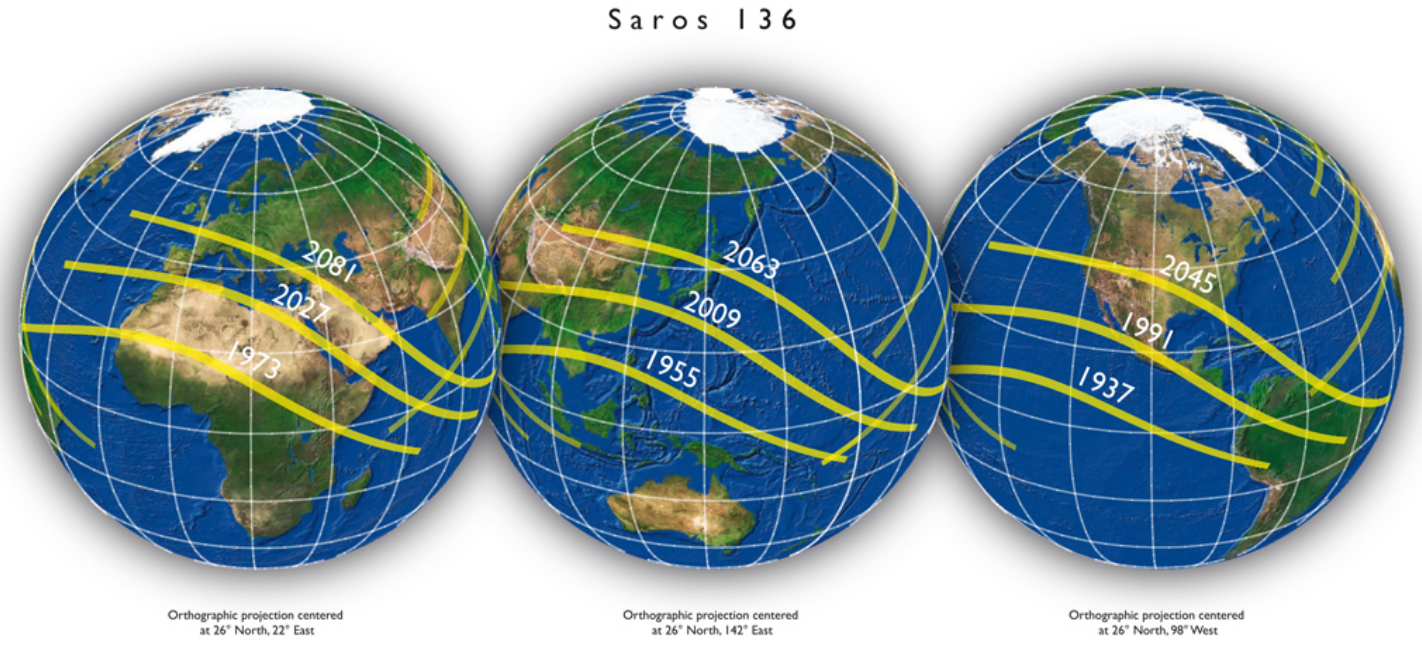



Lune apogée soleil périgée
Apogée
Périgée
Lune périgée soleil apogée
Lune apogée soleil apogée
Lune périgée soleil périgée

Périgée vs Apogée

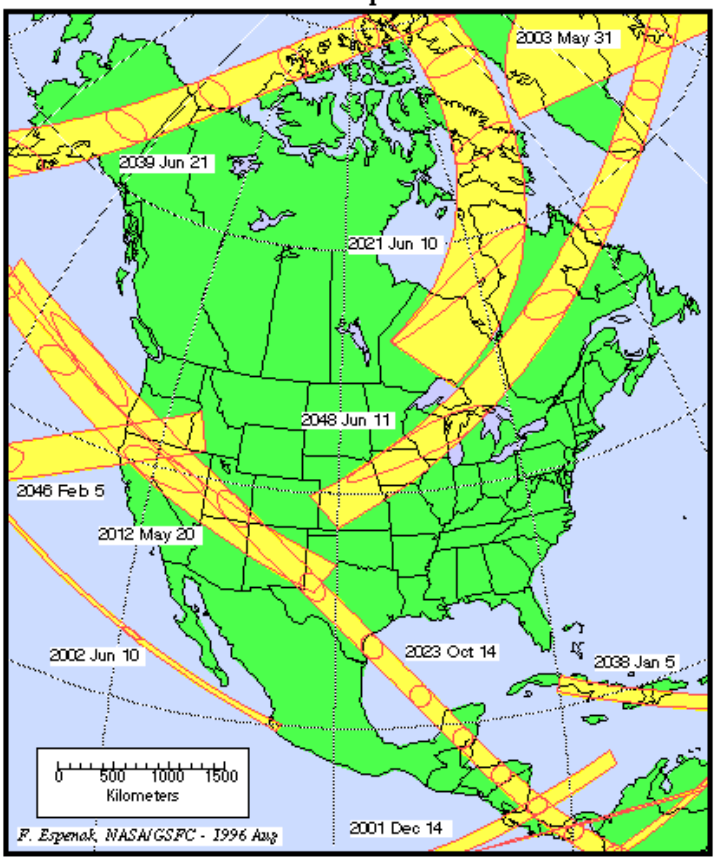


Les Saros

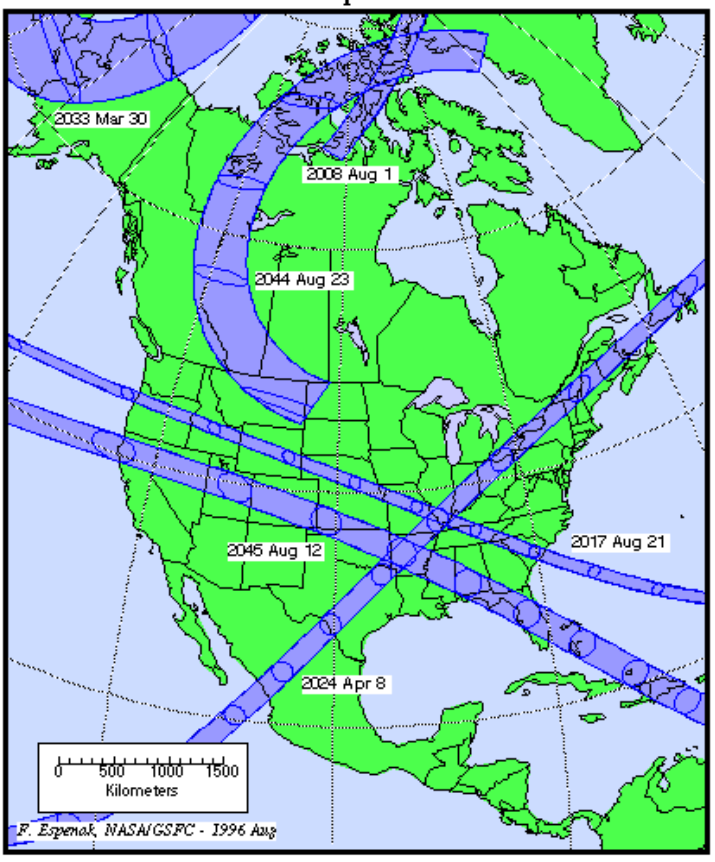


Saros = 18 ans, 11 jours et 8 heures
Écart de 120 degrés en longitude
Saro contien 42 éclipse solaire et 42 lunaire

Annular Solar Eclipses: 2001 - 2050



Total Solar Eclipses: 2001 - 2050

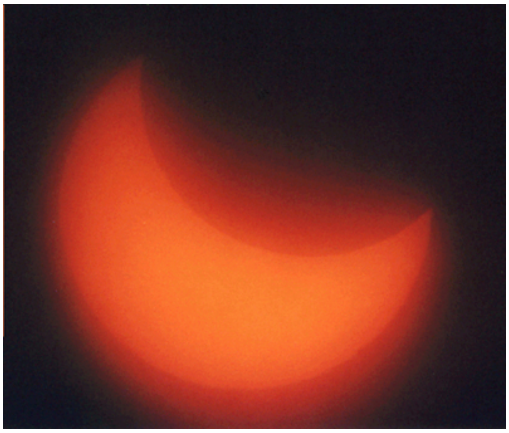




17 août 2017



10 juin 2021

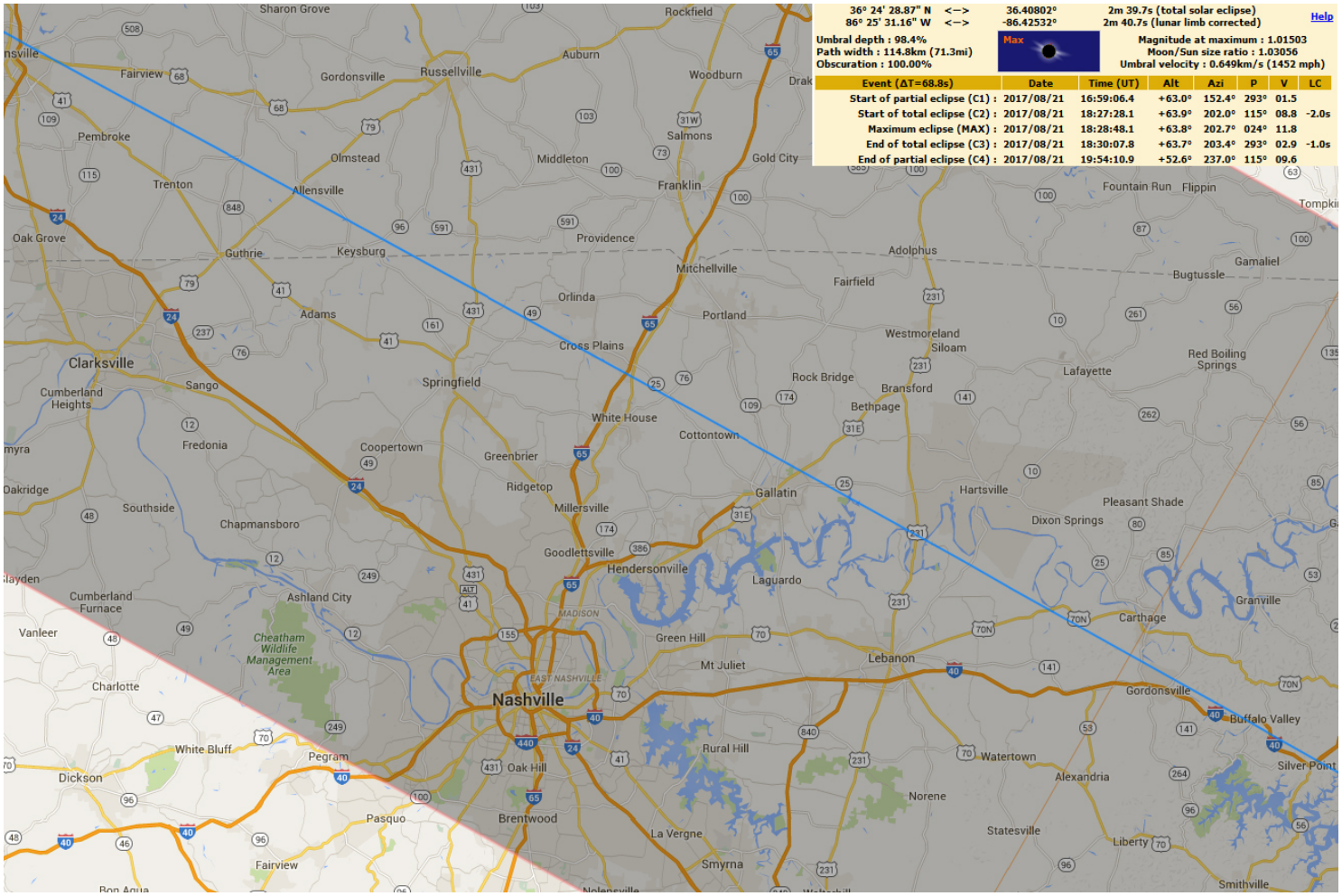


25 décembre 2000

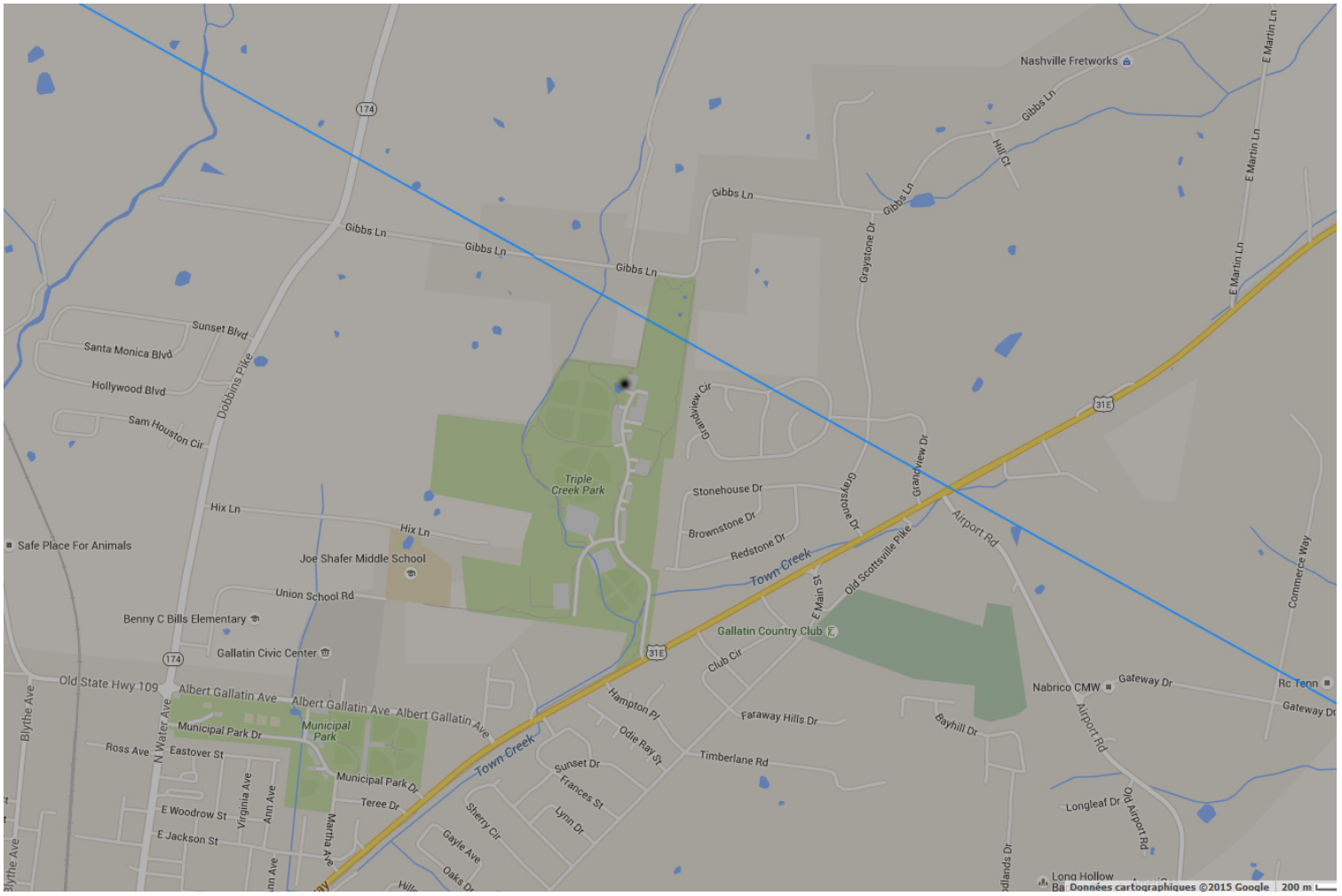


3 novembre 2013

Le jour J 21 août 2017



Le jour J 21 août 2017



Notre groupe et l’événement



La préparation

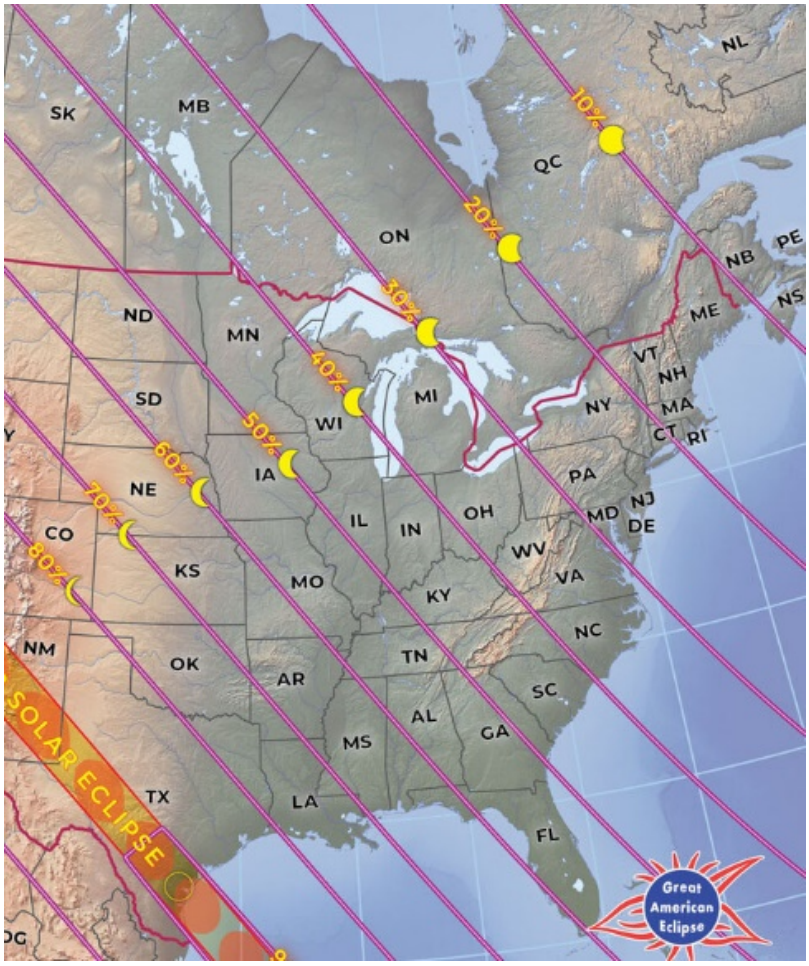


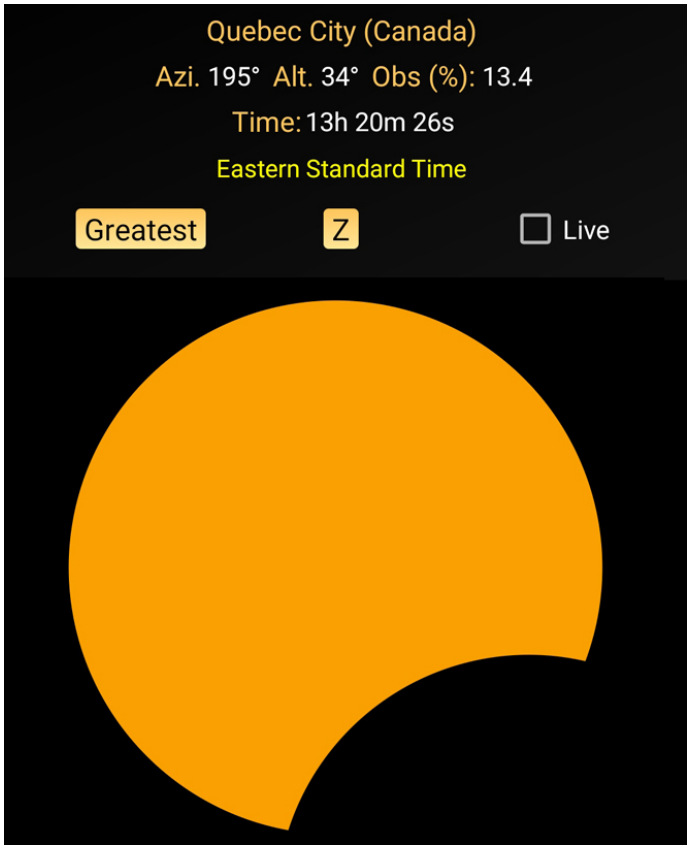


L’heure J de la totalité - André Vaillancourt

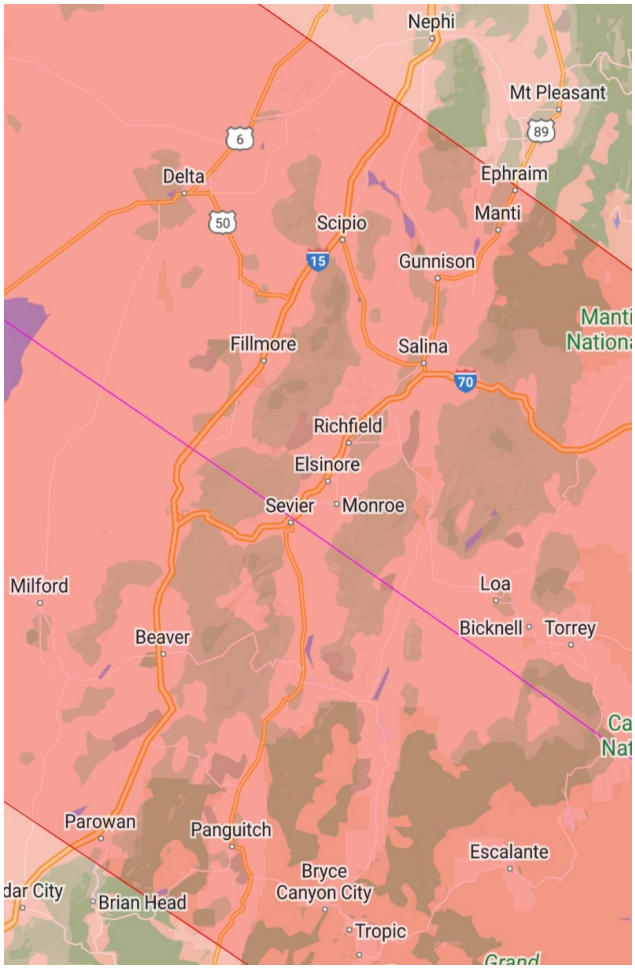


14 octobre 2023





14 octobre 2023



X

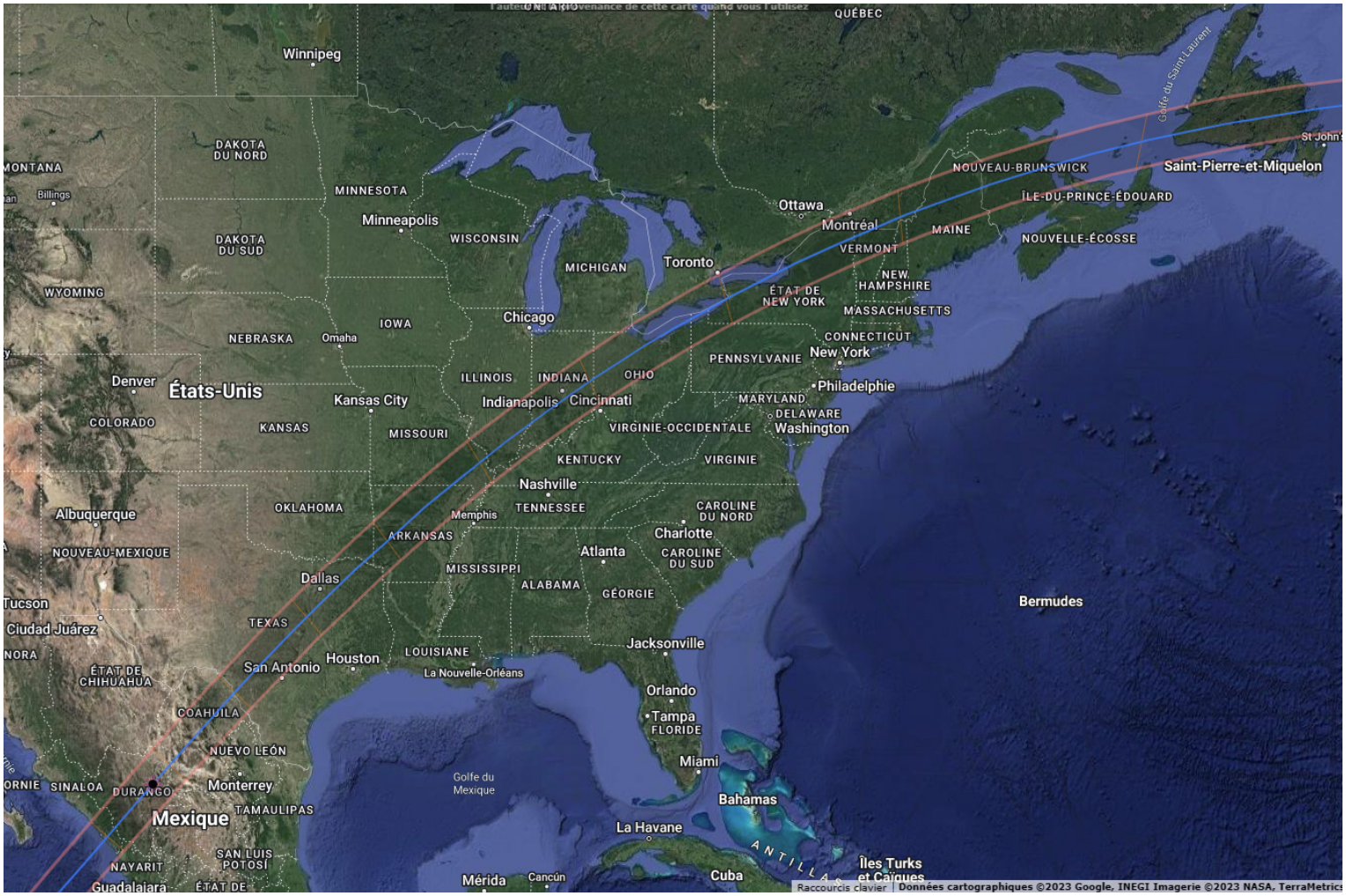
Lon: 112° 15' 49" W, Lat: 38° 33' 45" N

ANNULAR SOLAR
14 October 2023
Duration: 4m 45s
Mag: 0.945 Obs (%): 89.3

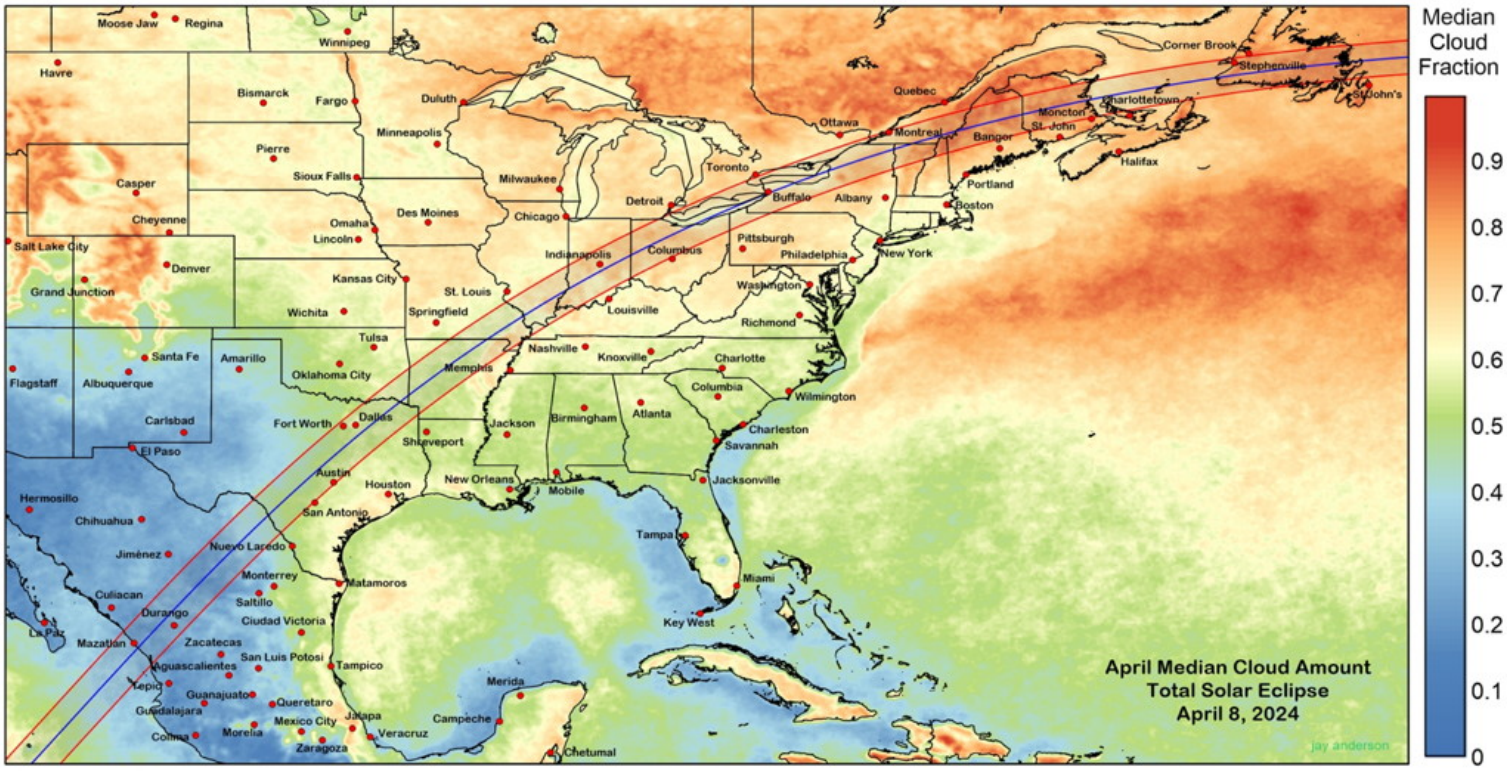
Eastern Standard Time

	Time:	Alt.	Azi.
Start of eclipse	11h 08m 55s	16.3°	115°
Start of annularity	12h 26m 14s	29.0°	131°
Greatest	12h 28m 37s	29.3°	131°
End of annularity	12h 30m 59s	29.7°	132°
End of eclipse	13h 56m 47s	39.8°	154°

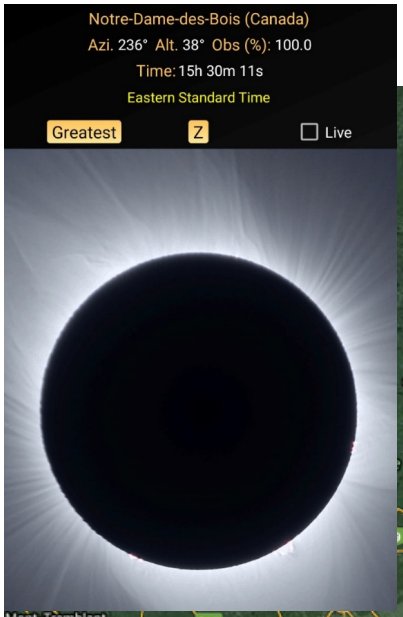
8 avril 2024


QUÉBEC
Winnipeg
DAKOTA DU NORD
MONTANA
Billings
MINNESOTA
Minneapolis
DAKOTA DU SUD
WISCONSIN
MICHIGAN
Toronto
WYOMING
IOWA
Chicago
NEBRASKA
Omaha
Denver
États-Unis
ILLINOIS
INDIANA
OHIO
Kansas City
Indianapolis
Cincinnati
COLORADO
KANSAS
MISSOURI
KENTUCKY
VIRGINIE
Nashville
Albuquerque
OKLAHOMA
TENNESSEE
Memphis
ARKANSAS
NOUVEAU-MEXIQUE
Atlanta
MISSISSIPPI
ALABAMA
GÉORGIE
Dallas
Tucson
Ciudad Juárez
TEXAS
Houston
LOUISIANE
La Nouvelle-Orléans
San Antonio
ÉTAT DE CHIHUAHUA
COAHUILA
NUEVO LEÓN
SINALOA
DURANGO
Monterrey
TAMAULIPAS
Mexique
SAN LUIS POTOSÍ
NAYARIT
Golfe du Mexique
Mérida
Cancún
Ottawa
Montréal
Toronto
ÉTAT DE NEW YORK
VERMONT
MAINE
NOUVEAU-BRUNSWICK
ÎLE-DU-PRINCE-ÉDOUARD
NOUVELLE-ÉCOSSE
Saint-Pierre-et-Miquelon
NEW HAMPSHIRE
MASSACHUSETTS
CONNECTICUT
PENNSYLVANIE
New York
Philadelphie
MARYLAND
DELAWARE
VIRGINIE-OCCIDENTALE
Washington
CAROLINE DU NORD
Charlotte
CAROLINE DU SUD
Jacksonville
Orlando
Tampa
FLORIDE
Miami
Bahamas
La Havane
Cuba
Îles Turks et Caïques
Bermudes
Golfe du Saint-Laurent
Raccourcis clavier
Données cartographiques ©2023 Google, INEGI Imagerie ©2023 NASA, TerraMetrics

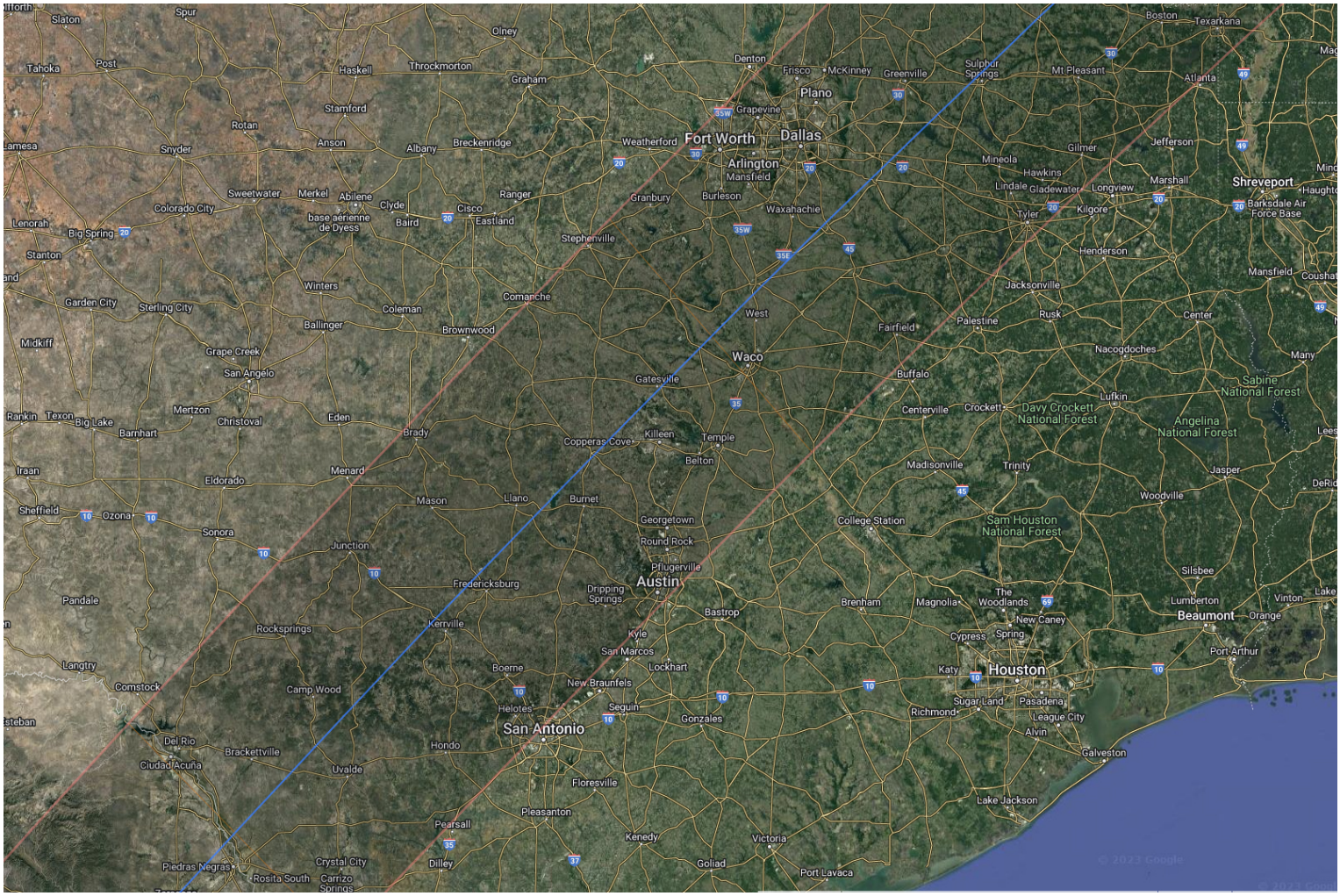
8 avril 2024


Median
Cloud
Fraction
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
April Median Cloud Amount
Total Solar Eclipse
April 8, 2024
jay anderson
Moose Jaw
Regina
Winnipeg
Havre
Bismarck
Fargo
Duluth
Minneapolis
Pierre
Sioux Falls
Casper
Cheyenne
Omaha
Lincoln
Salt Lake City
Denver
Grand Junction
Kansas City
St. Louis
Wichita
Springfield
Tulsa
Santa Fe
Amarillo
Flagstaff
Albuquerque
Oklahoma City
Carlsbad
Fort Worth
Dallas
El Paso
Austin
Houston
Hermosillo
Chihuahua
San Antonio
Jiménez
Nuevo Laredo
Monterrey
Matamoros
Culiacan
Saltillo
Durango
Ciudad Victoria
La Paz
Mazatlan
Zacatecas
San Luis Potosi
Aguascalientes
Tampico
Leon
Guanajuato
Queretaro
Guadalajara
Mexico City
Jalapa
Colima
Morelia
Veracruz
Zaragoza
Campeche
Merida
Chetumal
Milwaukee
Chicago
Detroit
Toronto
Indianapolis
Columbus
Louisville
Nashville
Knoxville
Memphis
Jackson
Birmingham
Atlanta
Shreveport
New Orleans
Mobile
Tampa
Miami
Key West
Jacksonville
Charleston
Savannah
Charlotte
Columbia
Wilmington
Richmond
Washington
Pittsburgh
Philadelphia
New York
Buffalo
Albany
Boston
Portland
Ottawa
Montreal
Quebec
Corner Brook
Stephenville
St. John's
Moncton
Charlottetown
St. John
Bangor
Halifax

8 avril 2024 Au Québec



8 avril 2024 Texas



La préparation pour 2024

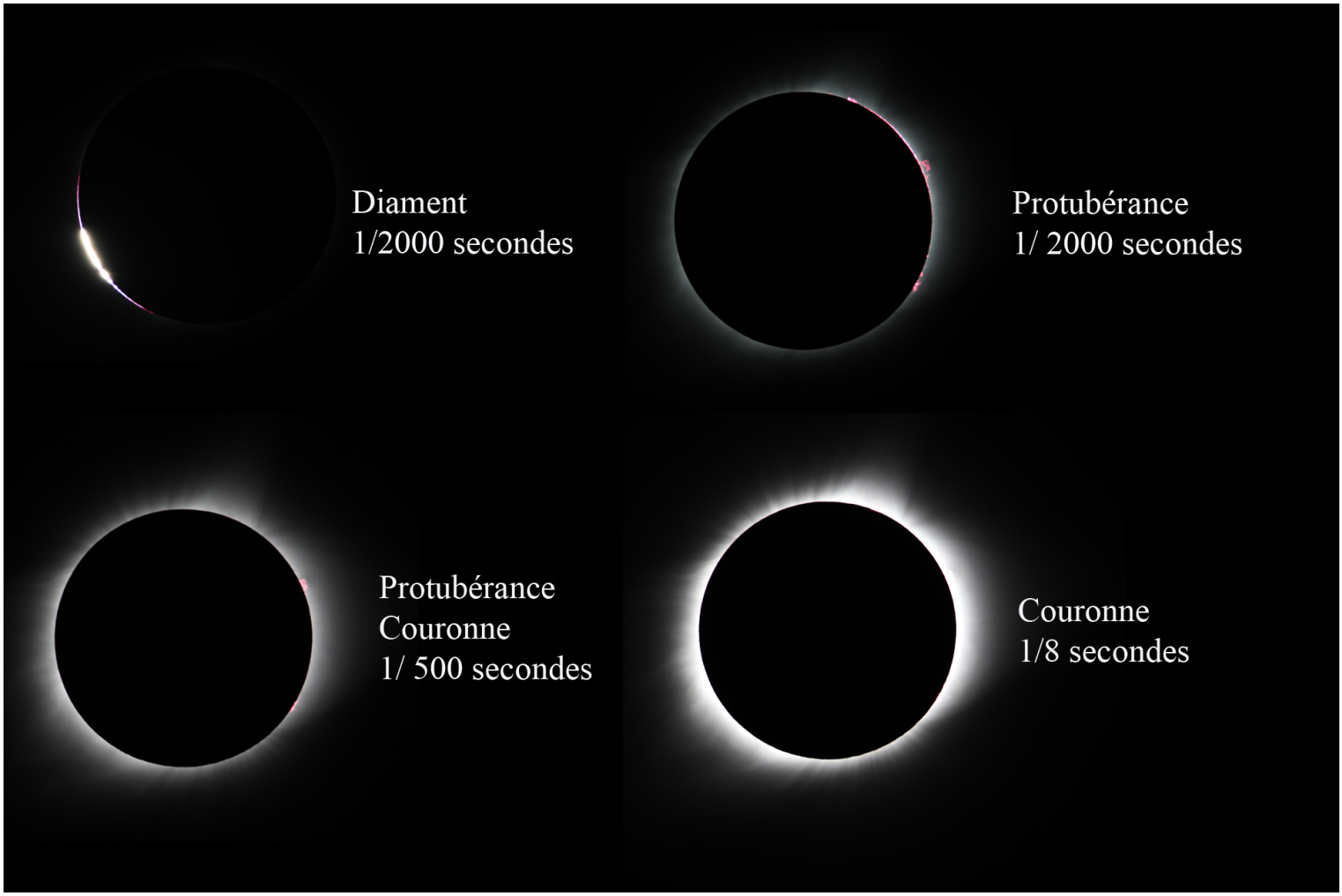




La préparation pour 2024



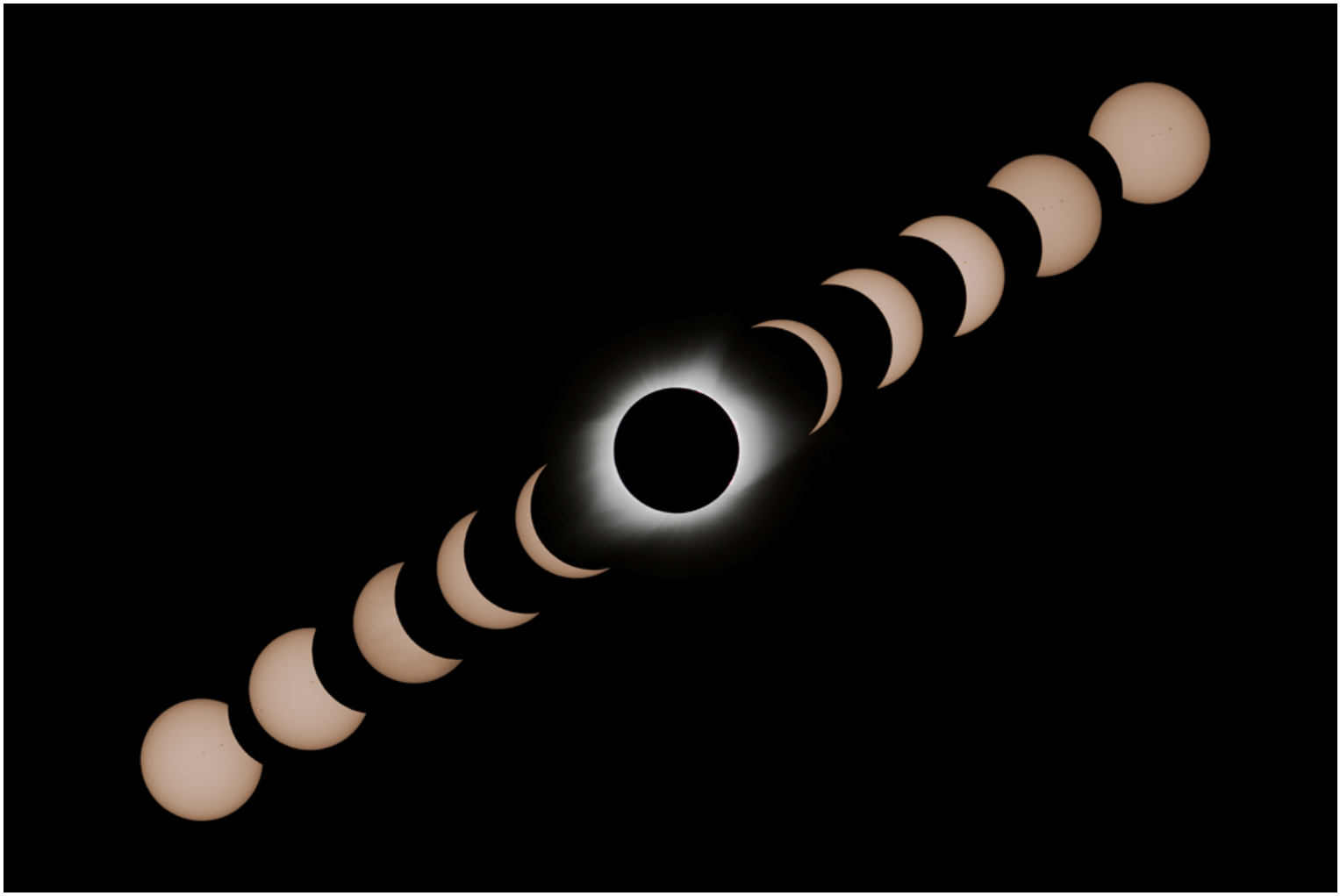
Photo de la totalitée



Philippe Moussette



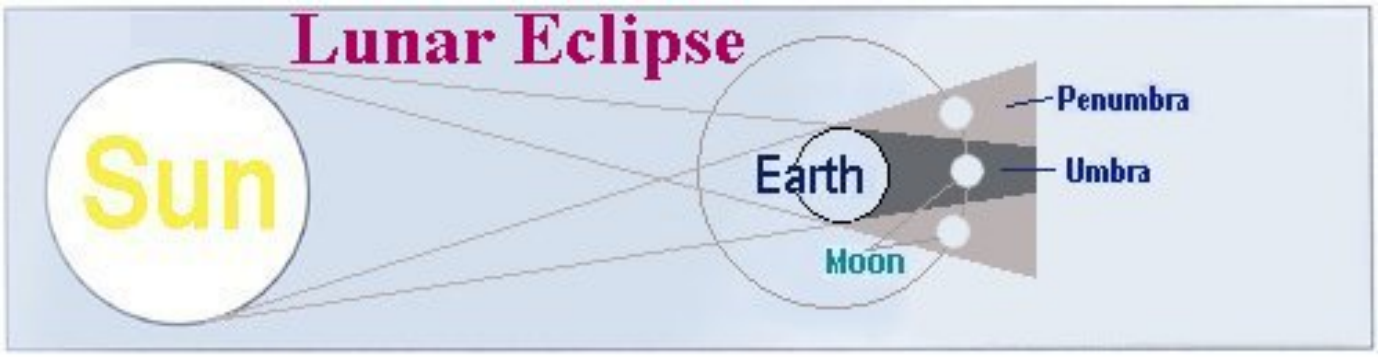
21 août 2017 Gallatin Tennessee



21 août 2017 Gallatin Tennessee



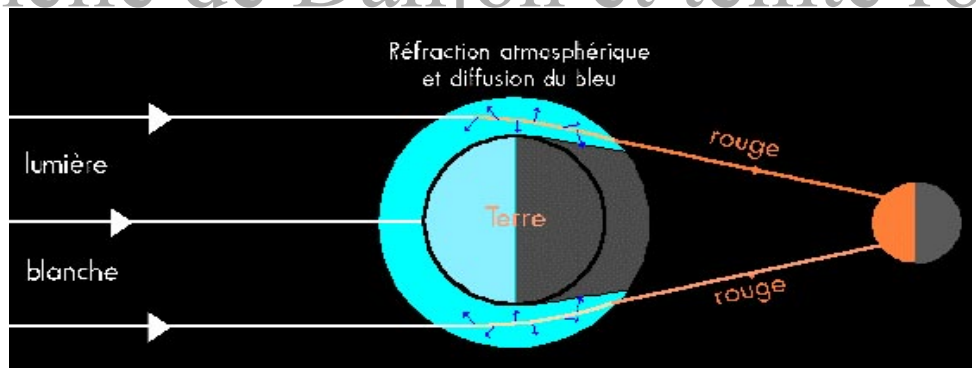
Éclipse lunaire





27 septembre 2015

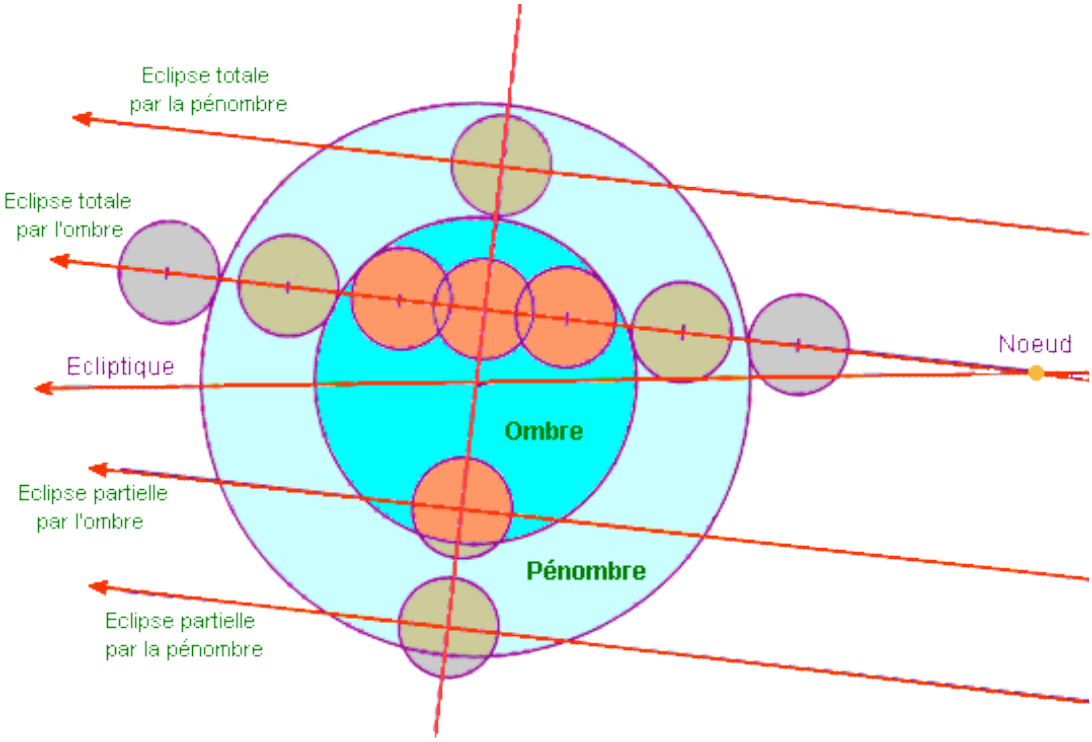
Échelle de Danjon et teinte rouge



indice 0 : éclipse très sombre. La Lune est quasi invisible.
indice 1 : éclipse sombre et peu visible.
indice 2 : éclipse rouge foncée.
indice 3 : éclipse rouge brique.
indice 4 : éclipse brillante.



Les éclipses lunaires





Total



Partie
le

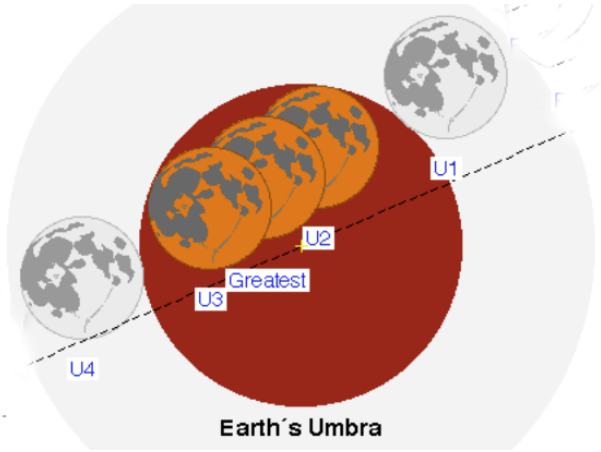


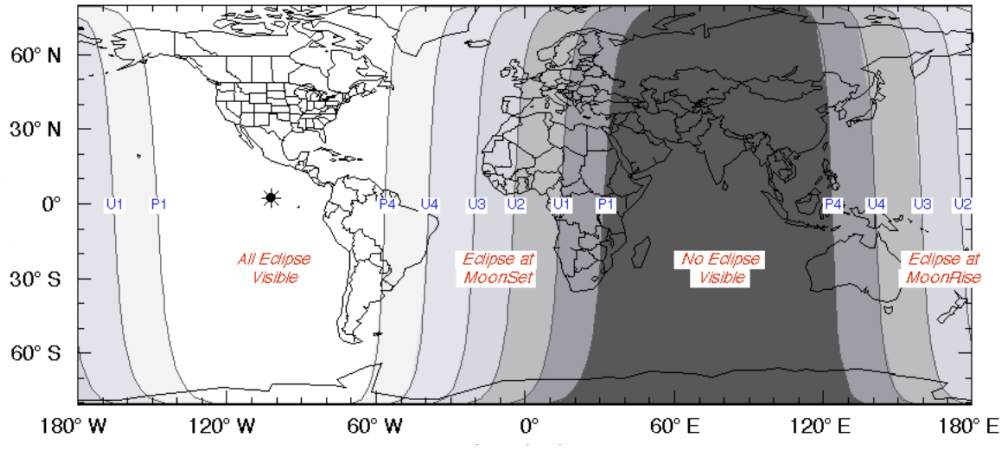
Pénmbrale

Éclipse lunaire 14 mars 2025

Début partielle : 01:09
Début totale : 02:26
Maximum : 02:58
Fin totale : 03:31
Fin partielle : 04:47



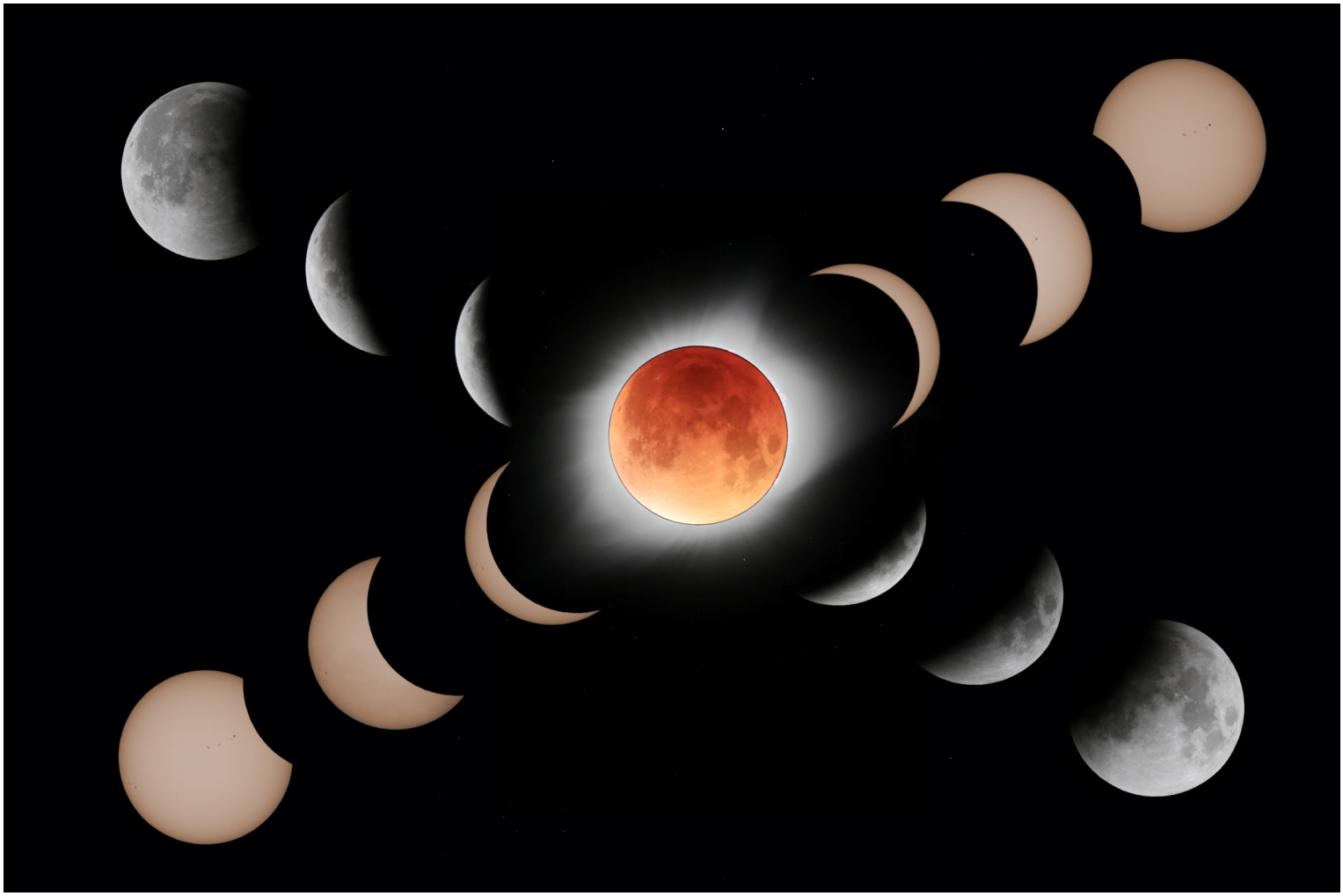




Éclipse lunaire 8 novembre 2023



Éclipse de lune et de soleil





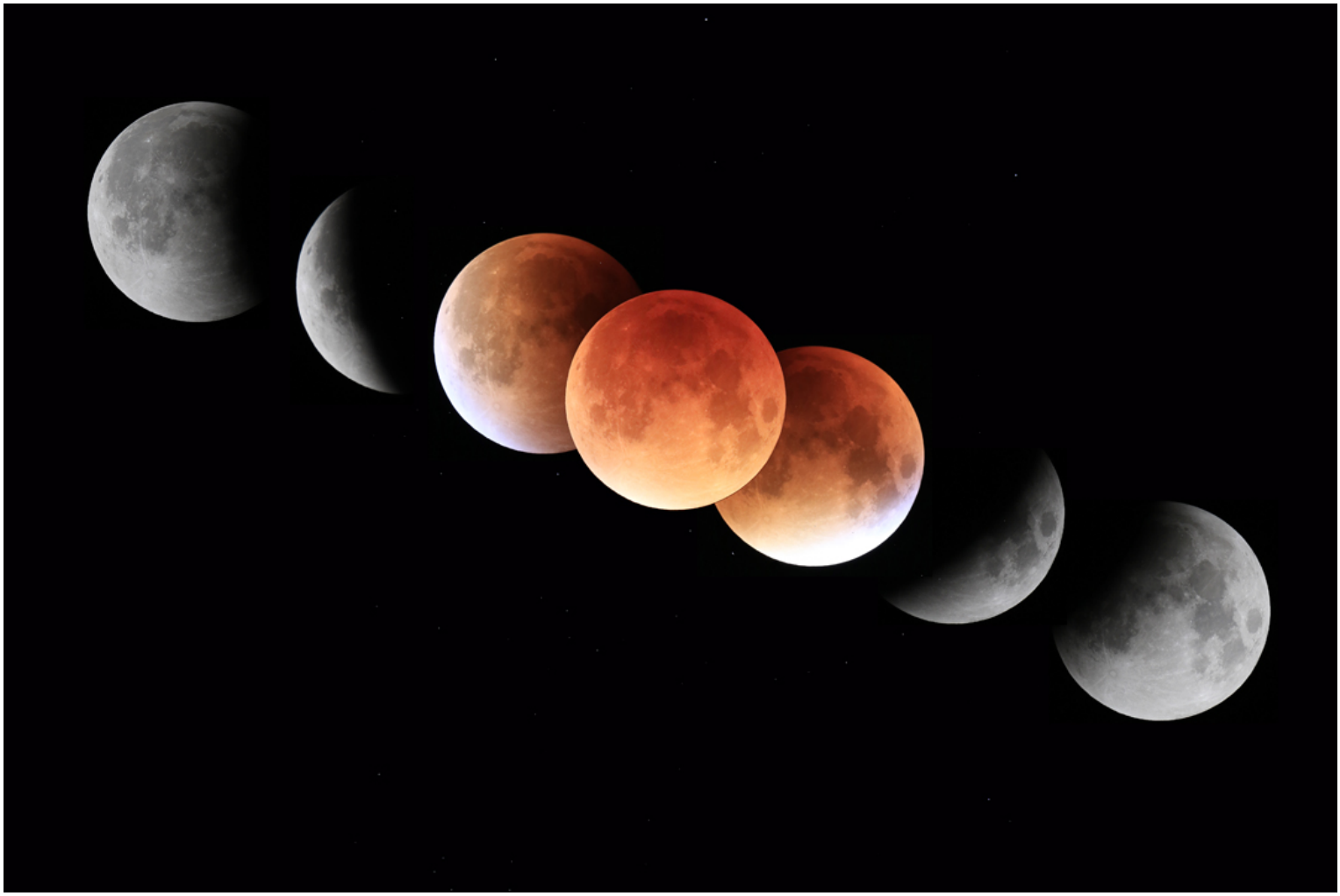
27 octobre 2004



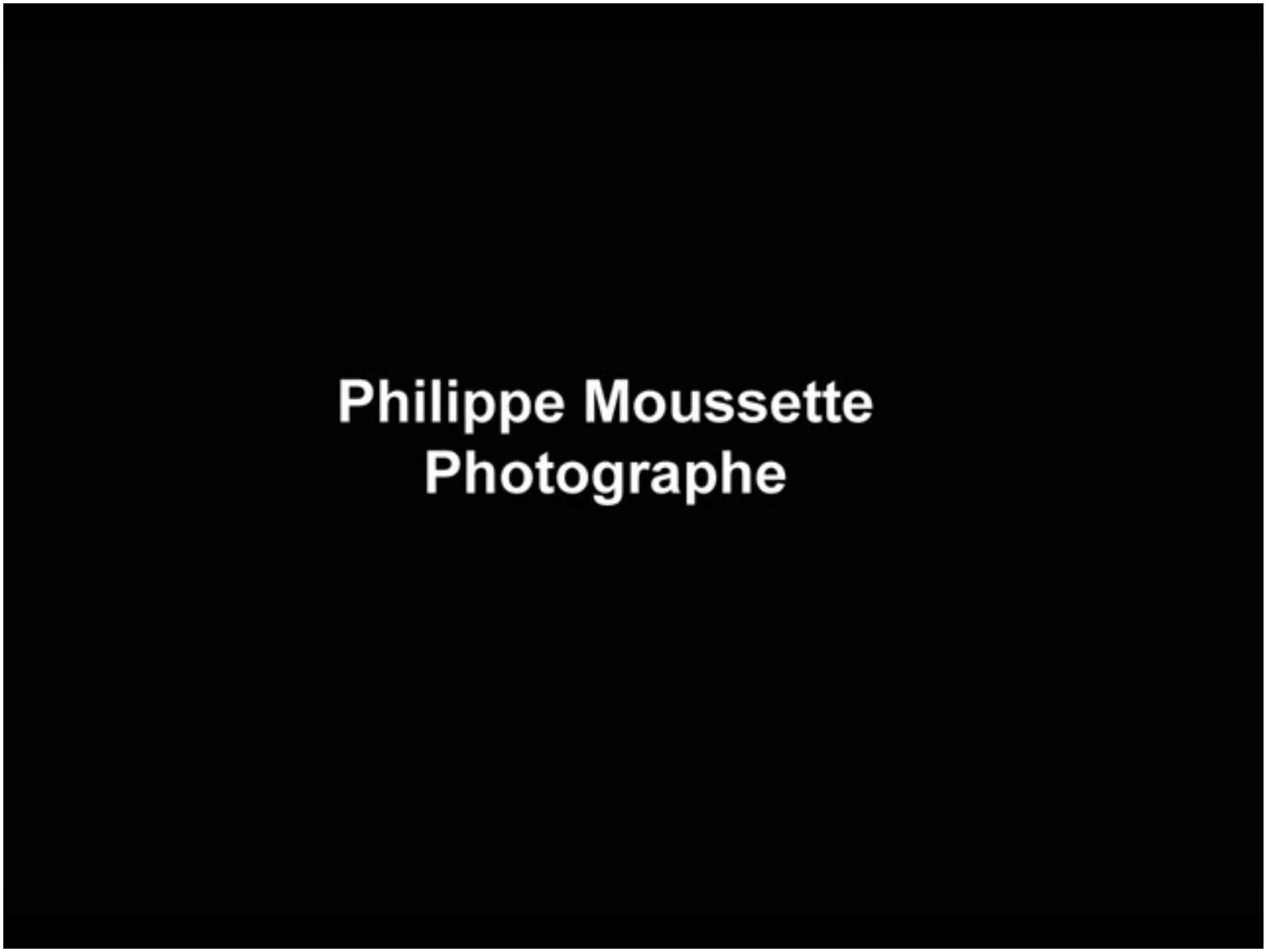
20 février 2008

20 janvier 2019

27 septembre 2015



Chasseur d'aurores
Philippe Moussette


Philippe Moussette
Photographe

Http://www.vega.faaq.org/

vegacrqc@hotmail.com



Site Philippe Moussette

http://www.philippemoussette.com