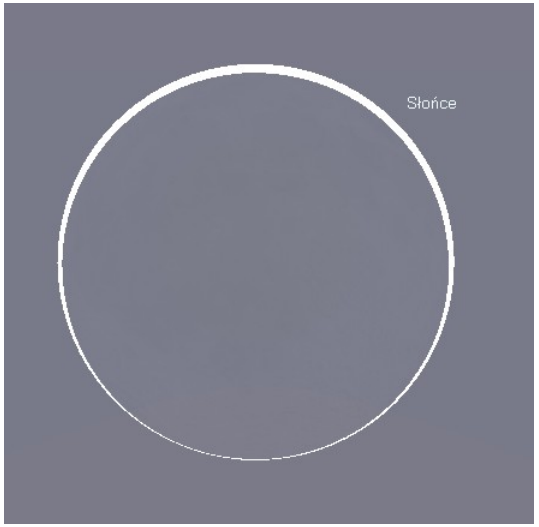
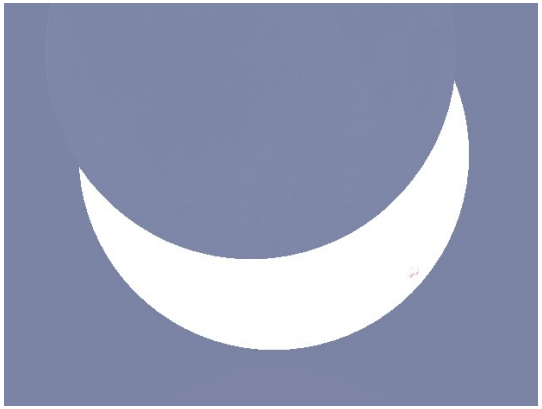
Marek Zawilski
Polish Association of Astronomy Amateurs
Lodz Division

Observations of occultation phenomena in Czechia until the 18th century

Kosmas (about 1045 -1125)
Chronica Boeomorum



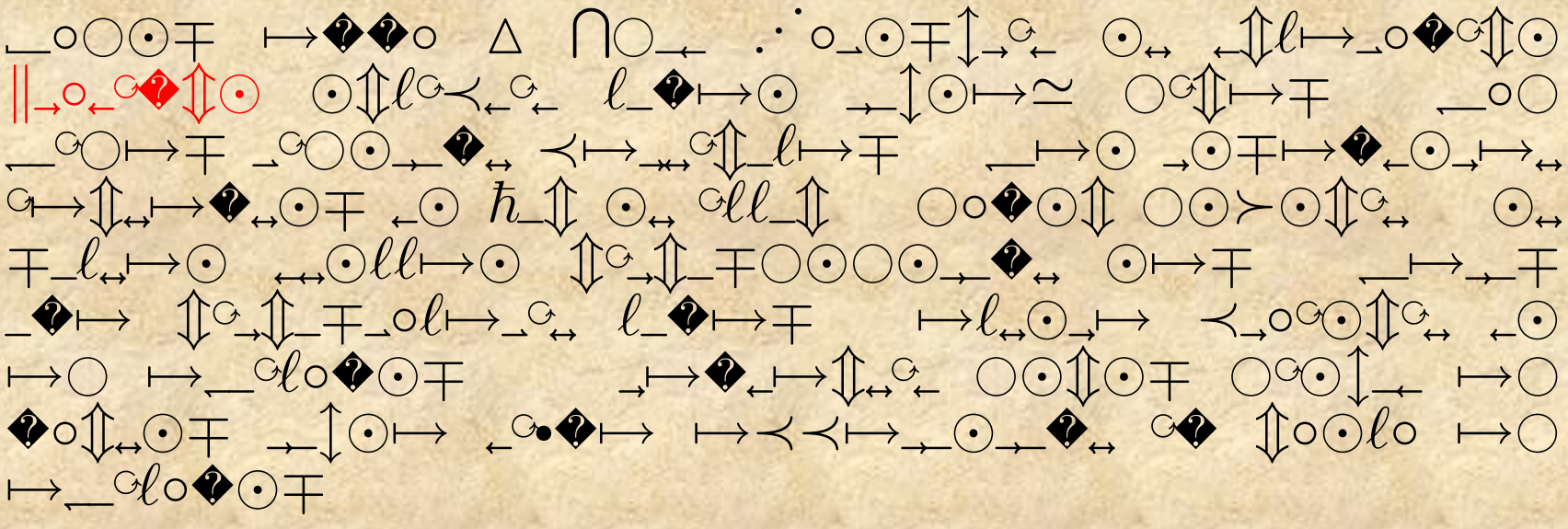
Annular solar eclipse
1093 IX 23



Partial solar eclipse
1124 VIII 11

Canon of Vyšehrad

1128. (1128 XI 8)

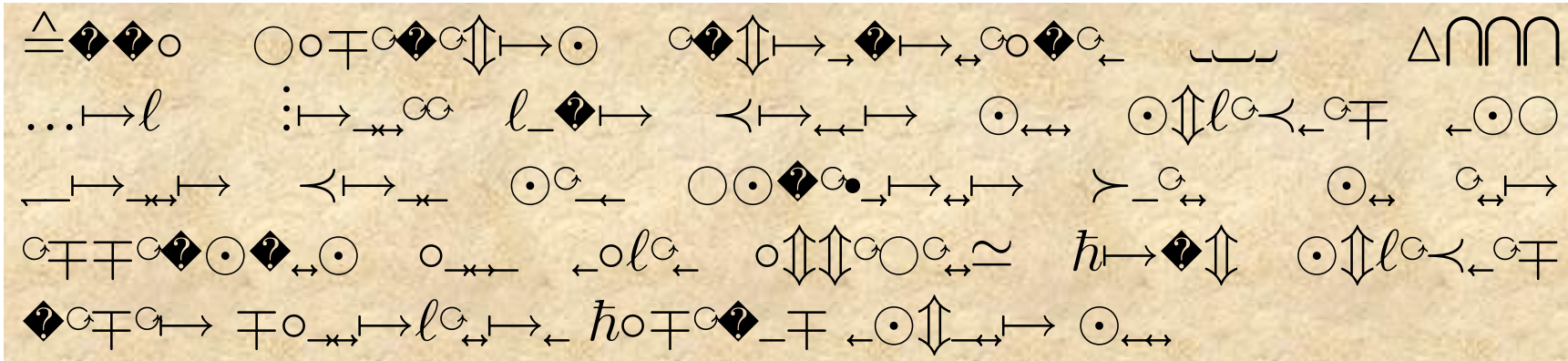


That same year, on 5th Ides of November and Sclavonic Prosince lunar eclipse red; I will say, that some people saw a 'particle', who had lingered tossing himself this way and that, until he fainted, and many stars they surrounded it, one of which hovered round the moon, and the other projected himself towards the north. After despatching ten days after that night the red signs have appeared in the night sky at the north.

Canon of Vyšehrad

Total lunar eclipse 1128 XI 8

Canon of Vyšehrad

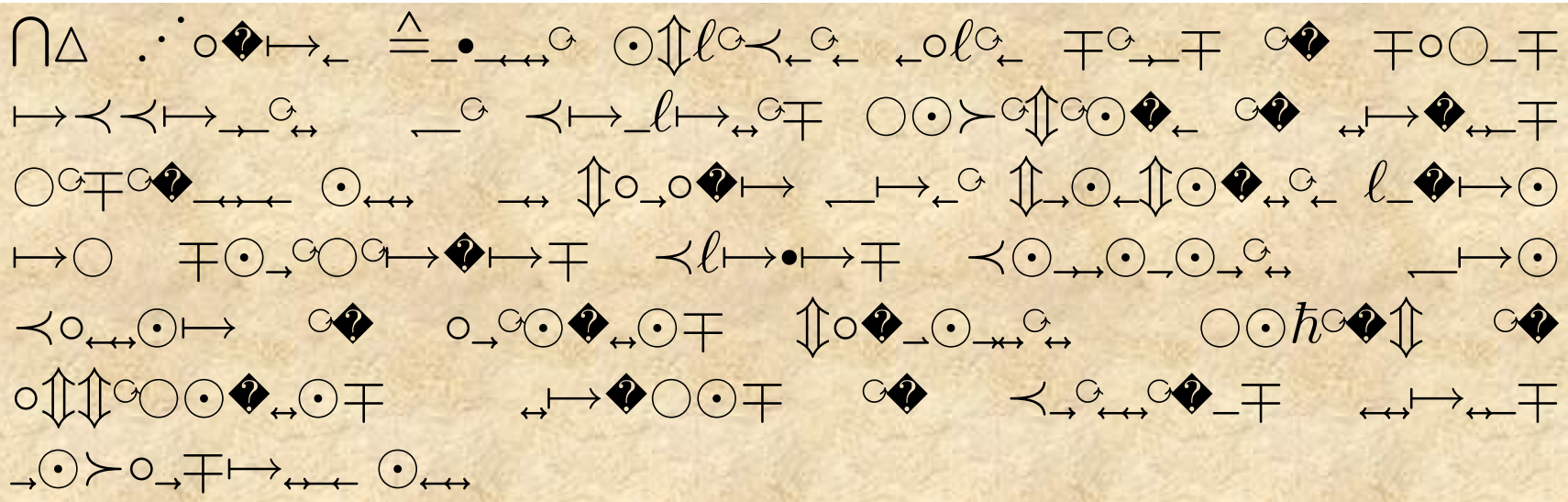


In the year of our Lord's incarnation 1133, 8 days before the Calends of March, the moon has suferred the eclipse, but the fourth part of it was blackened, and so imminent rising of the sun it set down; an excessive mortality of people followed this eclipse.

Canon of Vyšehrad

Partial lunar eclipse
1133 II 21

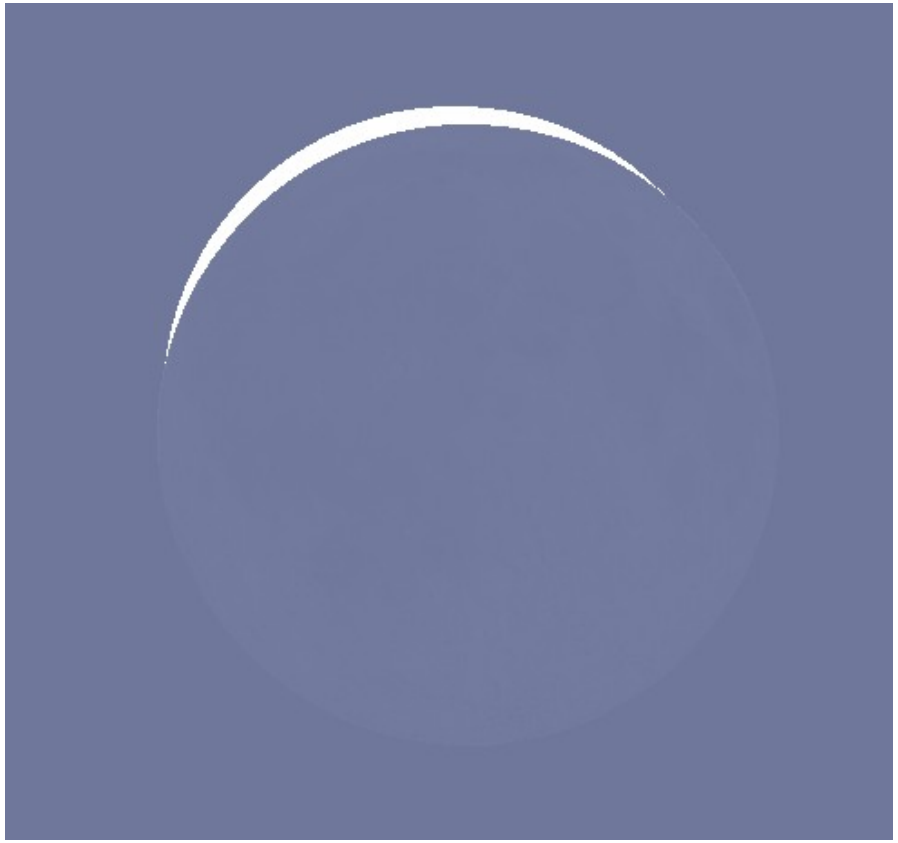
Canon of Vyšehrad



On the 4th Nones of August in a wonderful way the eclipse of the sun appeared. This defection gradually diminished so much that a crown like a crescent moon proceeded on the south part, afterwards turning round to the east, henceforth to the west.

At length it was transformed to its original state.

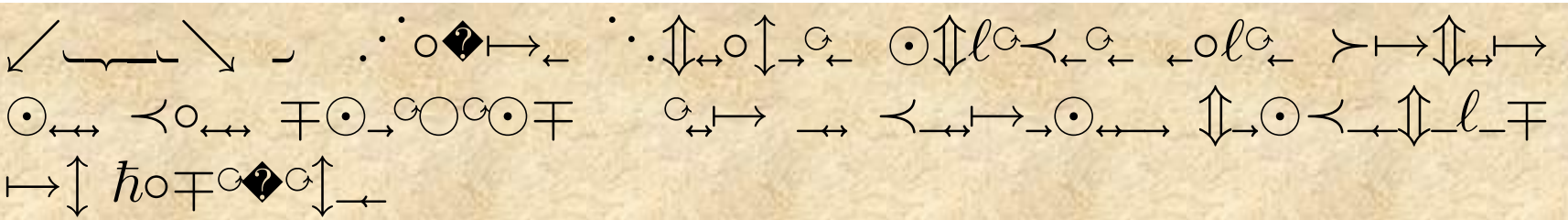
Canon of Vyšehrad



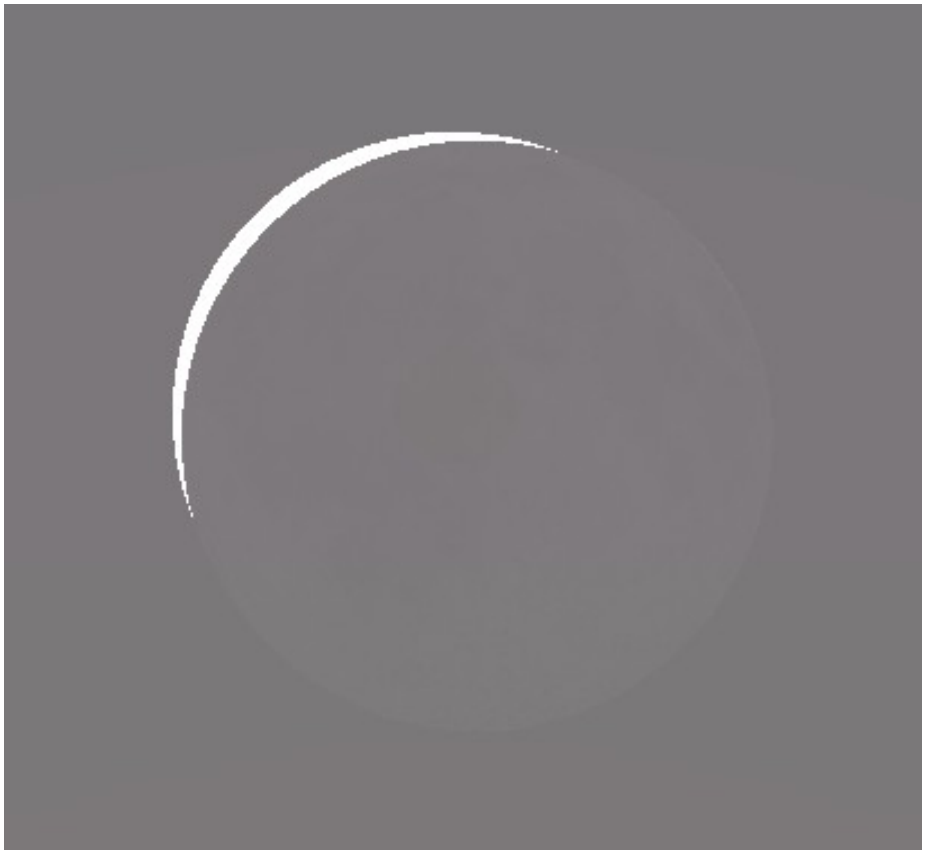
Partial solar eclipse
1133 VIII 2


Praha
Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
1133 VIII 2

Annales Pragensium Cont.Cosmae



On October 5 [recte : 6] after midday there was such an eclipse of the sun that people called it twilight.



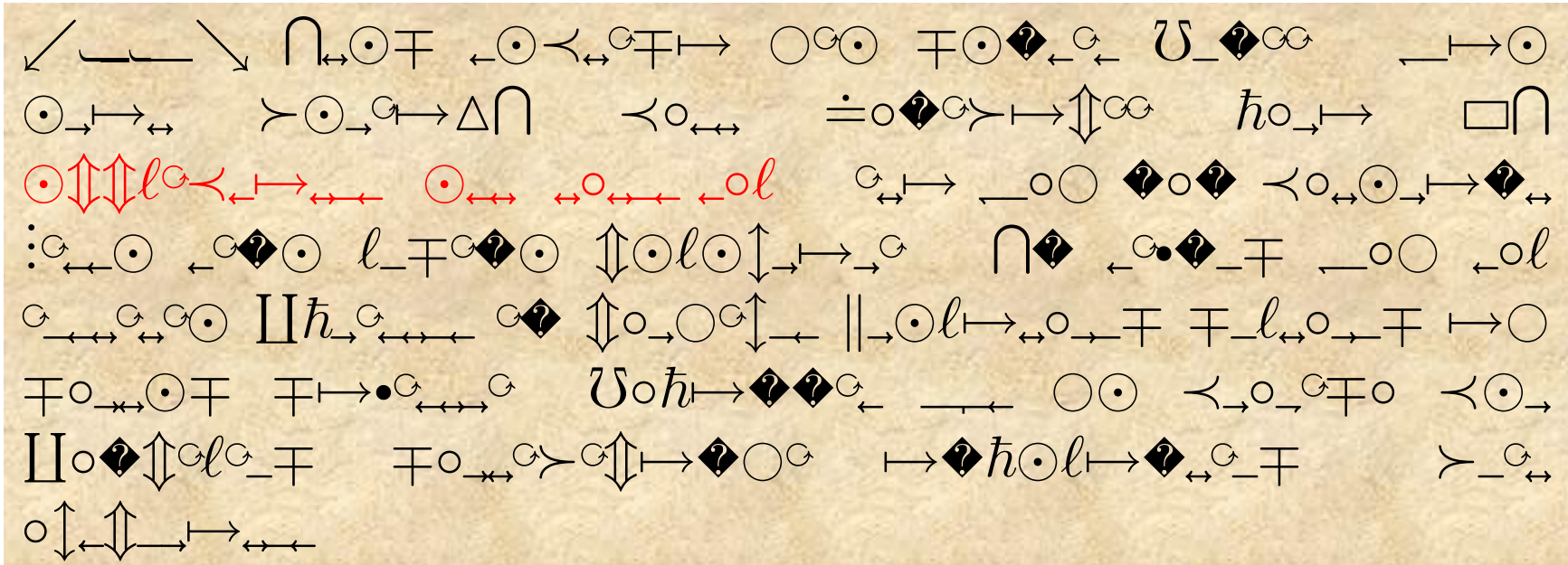
Partial solar eclipse
1241 X 6


Praha
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat
1241 X 6

The Zbraslav chronicle: partial solar eclipse 1330 VII 16
(„a three-night-old moon” was seen)

The chronicle by Francis of Prague:
partial solar eclipse 1344 X 7
(a little of the sun has been eclipses)
(together with accounts on a lunar eclipse
and several planetary conjunctions)

Laurentius de Brezina
de gestis et variis accidentibus regni Bohemiae
1414-1422

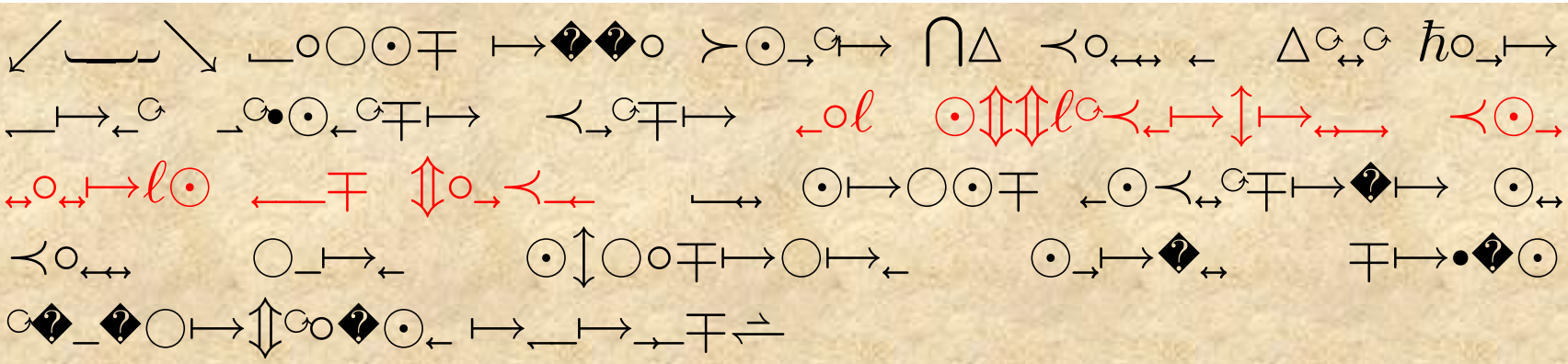


Also, on the seventh day of June, which was Friday after St.Boniface [June 5], at the 11th hour [after sunset] the whole sun was eclipsed, so that the Mass could not be celebrated without lights. [This happened] on account that the sun of justice, Christ, was eclipsed in hearts of many prelates which told big to sentence quickly Master John Hus by the Konstanz Council

Total solar eclipse 1415 VI 7


Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat
Google earth
1415 VI 7

Kronika Bartoška z Drahonic

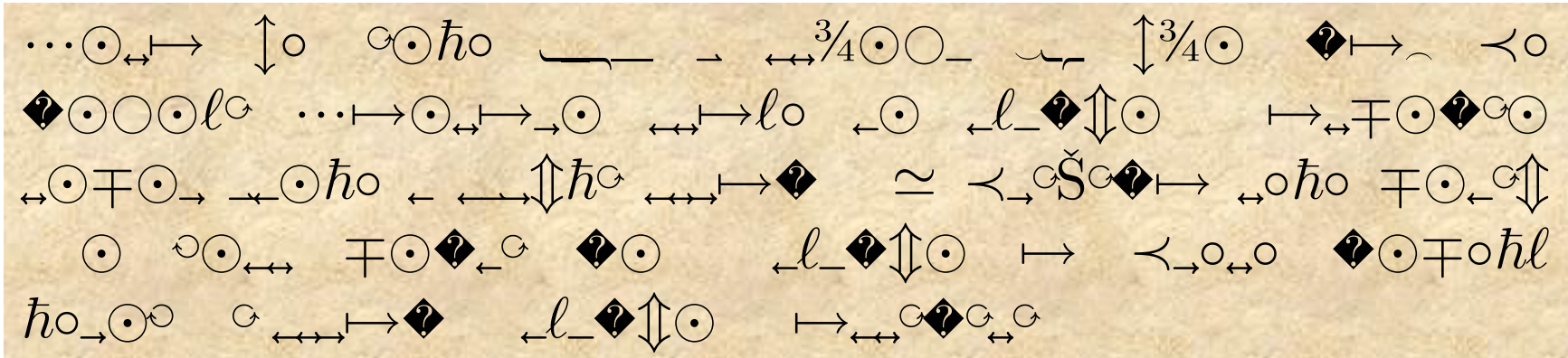


In this year, on Wednesday after St. Vitus' day, at about 21st hour [after sunset], the sun was eclipsed totally in its body. And in the same week and for two weeks afterwards there were great inundaton of water…

Total solar eclipse 1433 VI 17

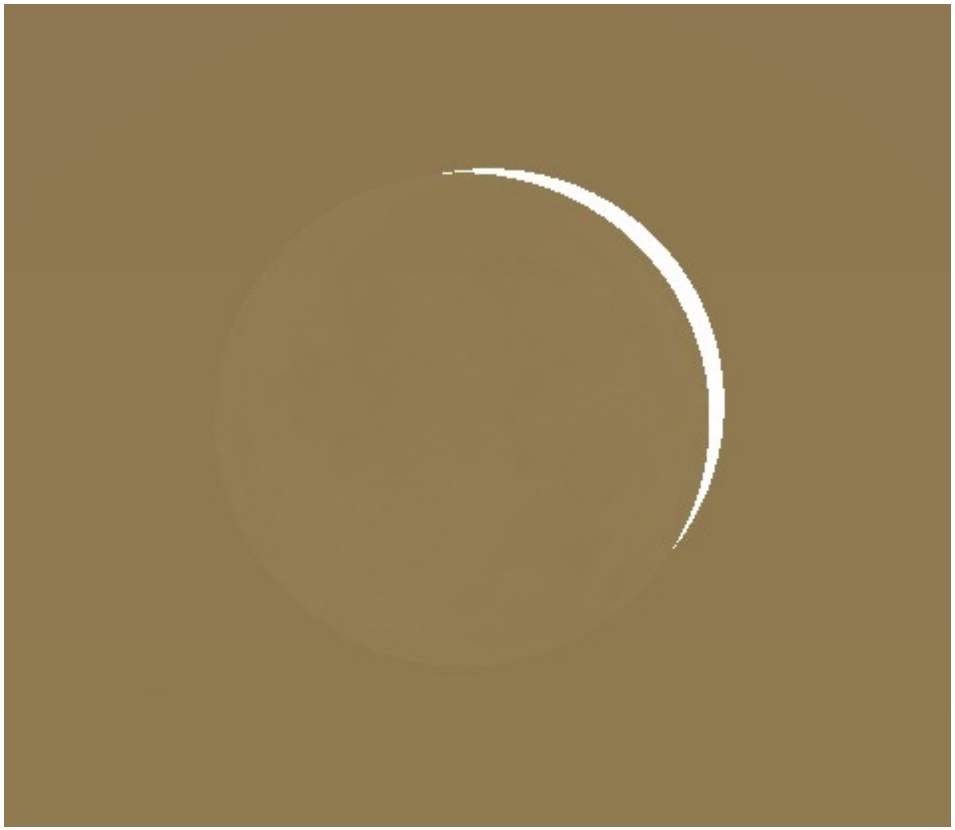

Praha
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat
1433 VI 17

Stari letopisove česti

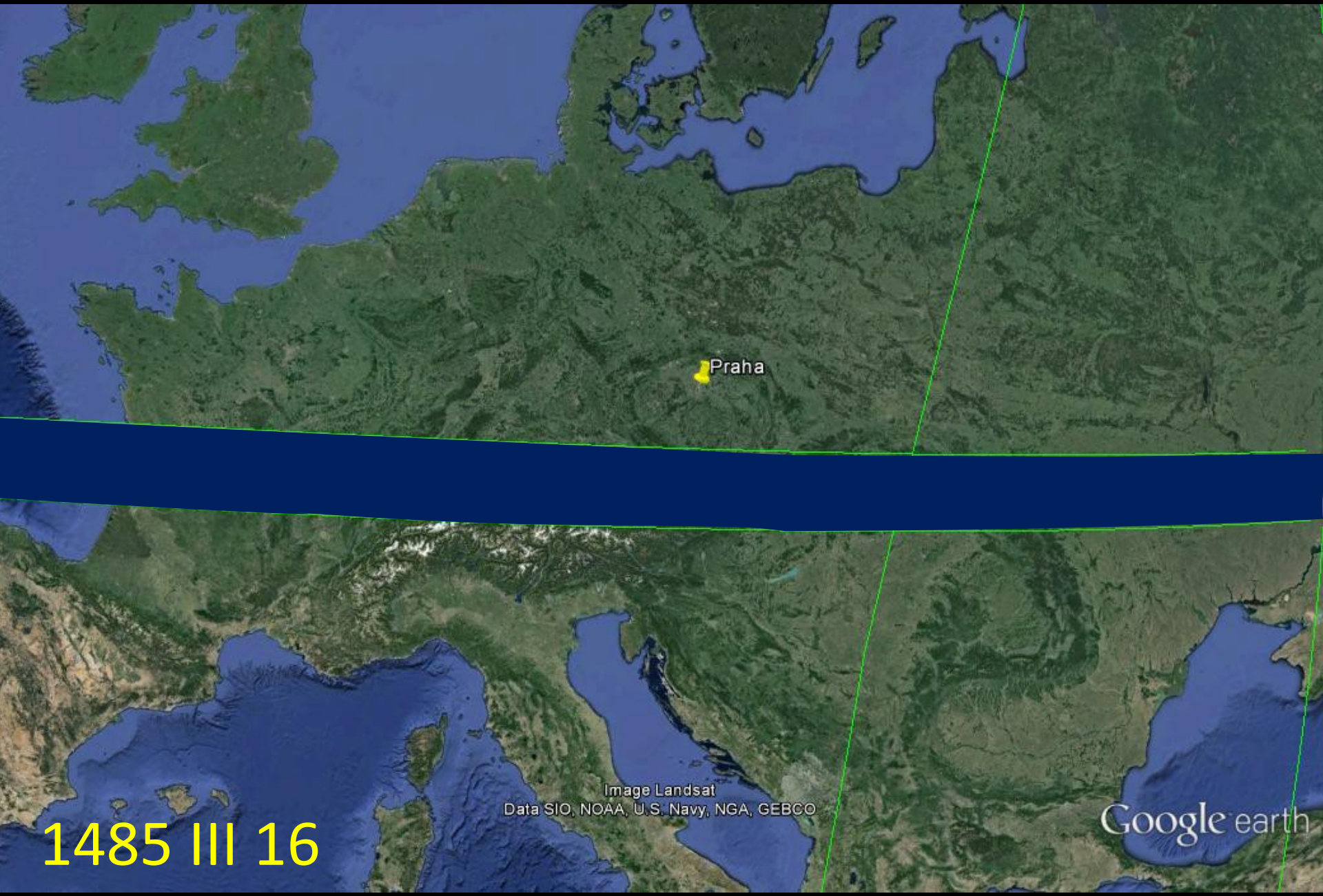


In the Year of Our Lord 1485, on Wednesday (the 16th of March) after the Laetare week, there was an eclipse of the sun apart of its upper part. The cause was the moon, and because it was less than the sun, it couldn't cover the sun entirely.

Stari letopisove česti

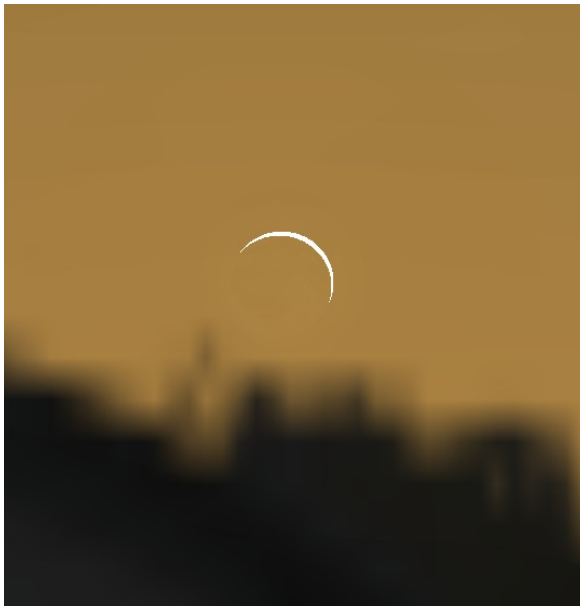


Partial solar eclipse
1485 III 16

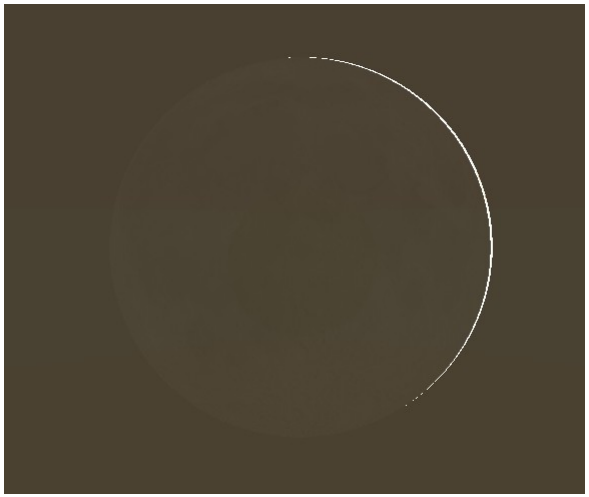

Praha
Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Google earth

1485 III 16

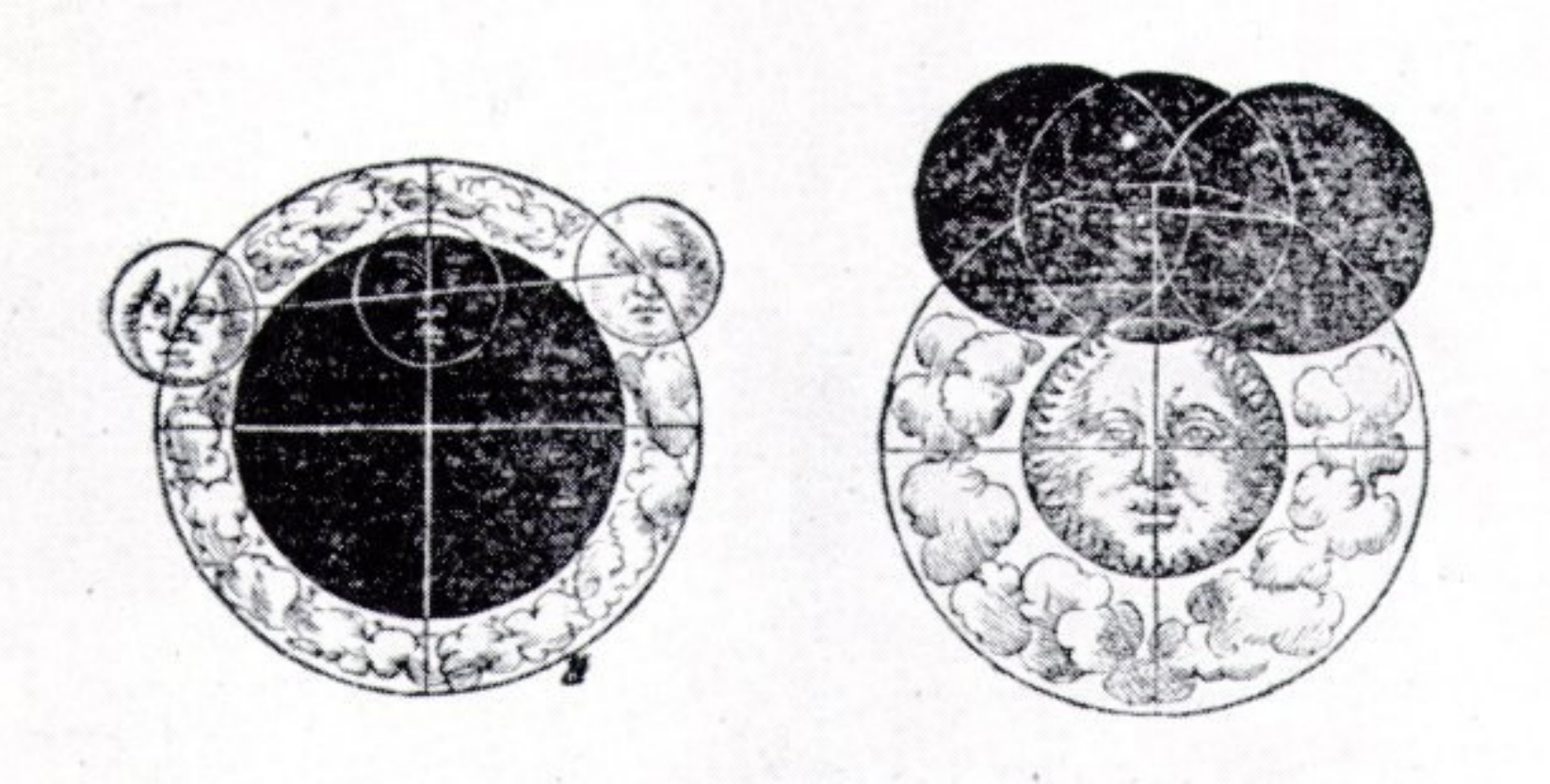
The Jihlava chronicle: twilight effects 1540 IV 7



The Jihlava chronicle: twilight effects 1544 I 24



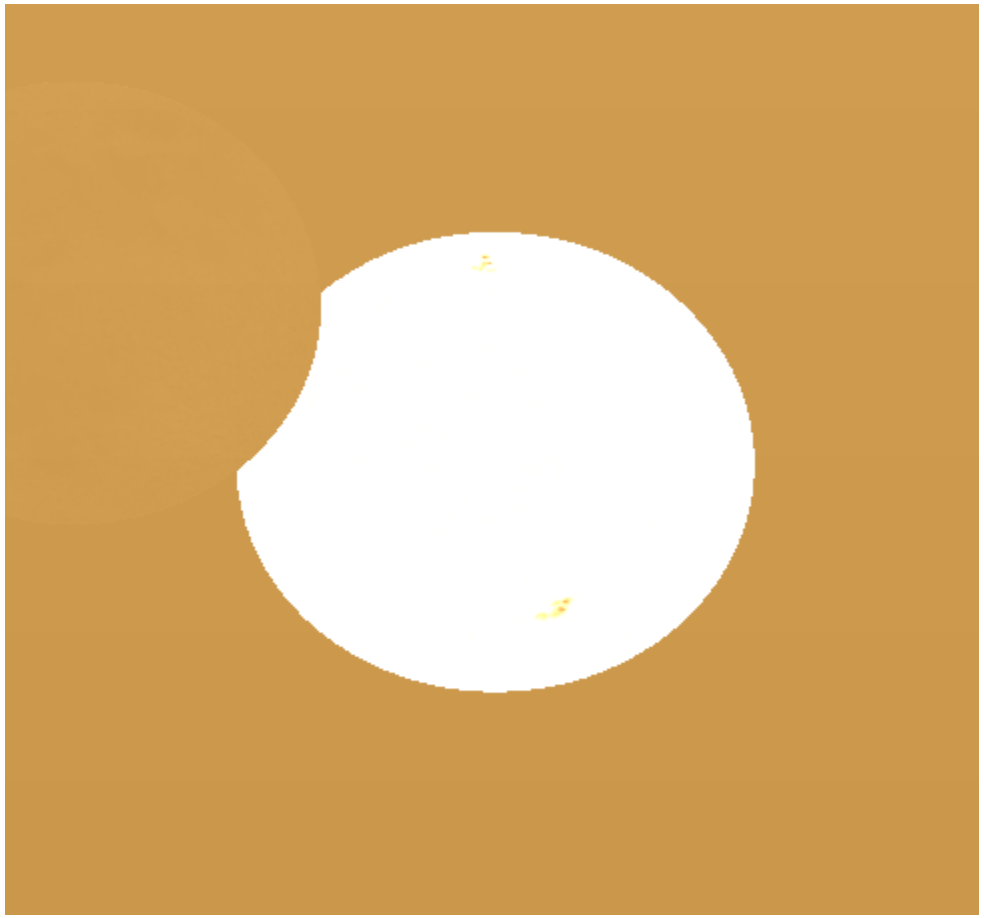
Cyprianus Leovitius
Tabulae ecclypsium 1556 -1606



Rudolf II

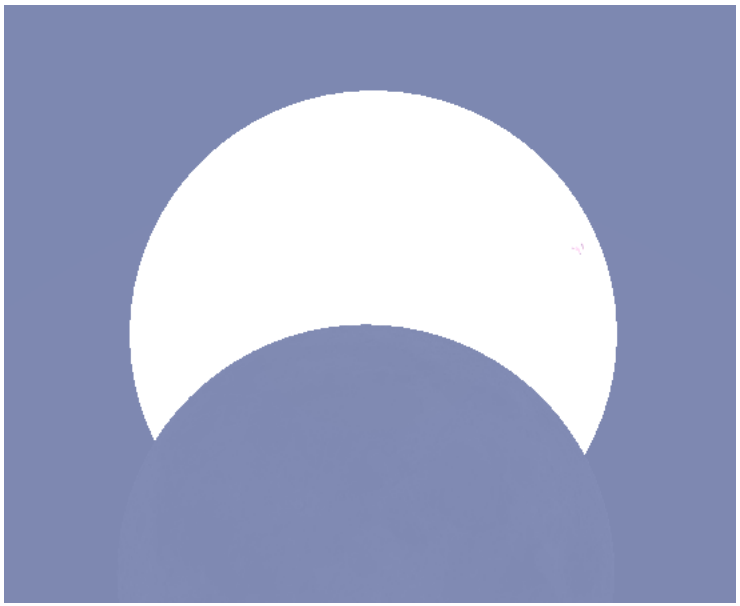
Tycho Brahe

partial solar eclipse 1599 VII 22, Praha

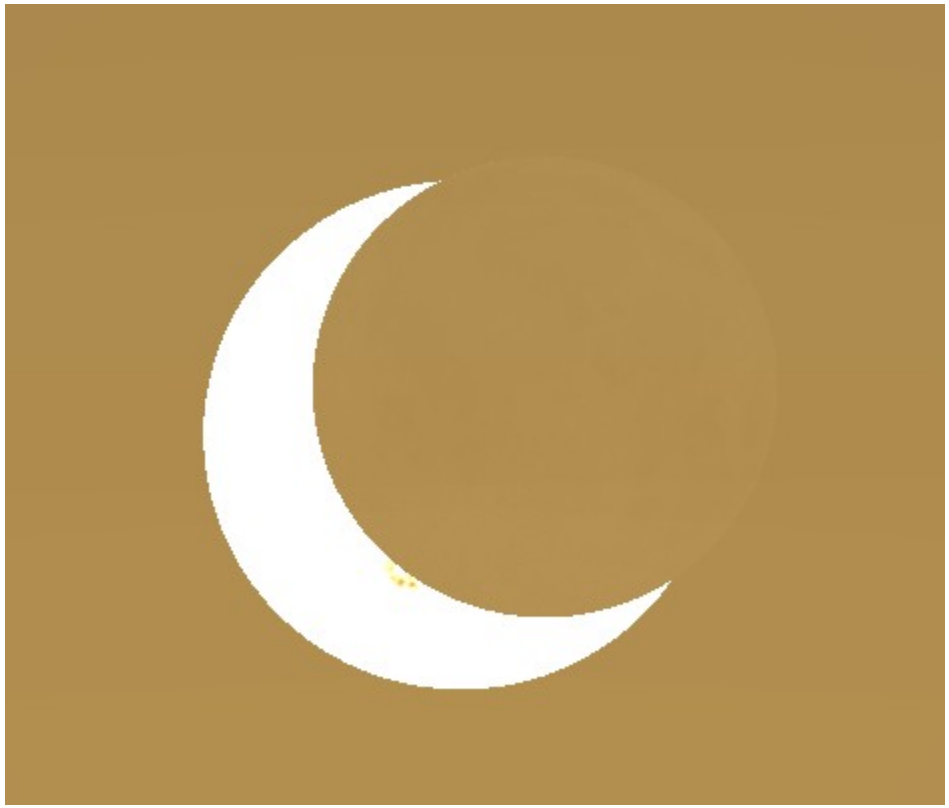


Tycho Brahe

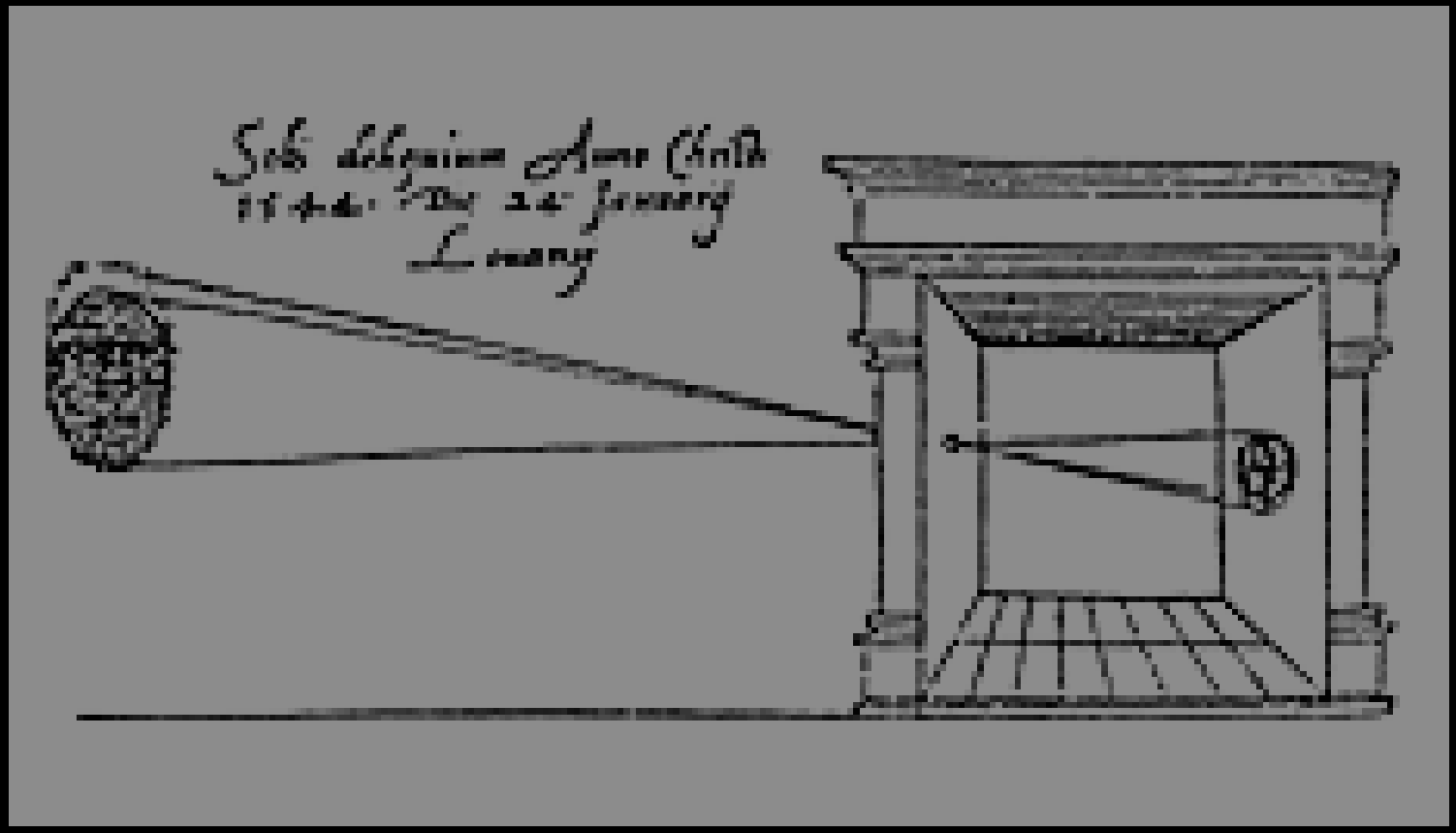
partial solar eclipse 1600 VII 10, Benatky



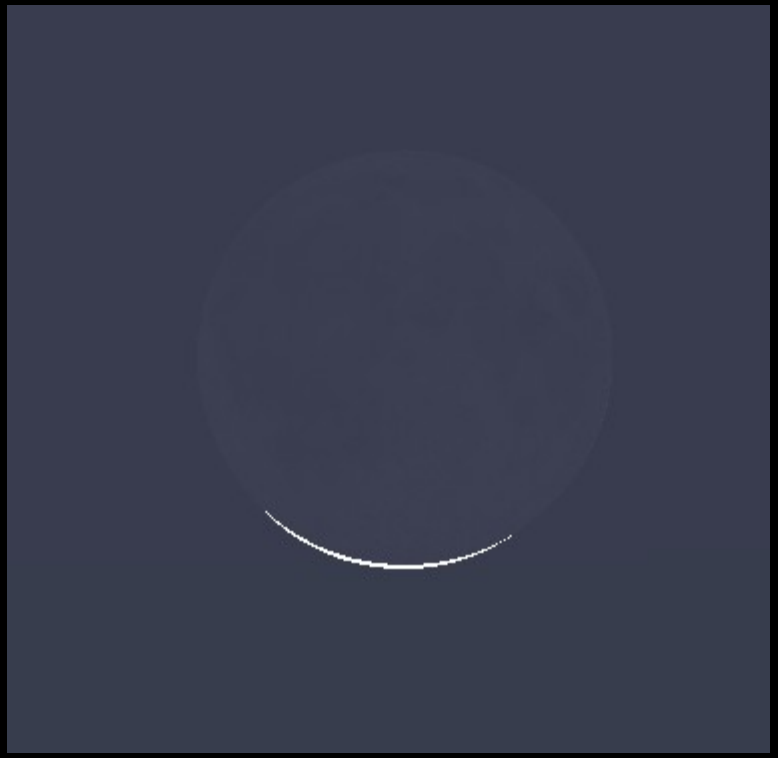
Johann Kepler
partial solar eclipse 1601 XII 24, Praha



Solar eclipse observation technique




Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat
Google earth
1706 V 12



1706 V 12
Časlav

Previously found data on the observations of the solar eclipse of May 12, 1706 na Czechia:

Časlav	almost total eclipse	Jan Jindřich Jelinek
Ludvikov	big darkness, stars seen	
Olomouc	big darkness, stars seen	
Stará Rudná	big darkness, stars seen	
Řídeč	big darkness, stars seen	
Písek ?	to be found; a manuscript identified