Космические послания

Материальные

Материальные

Материальные

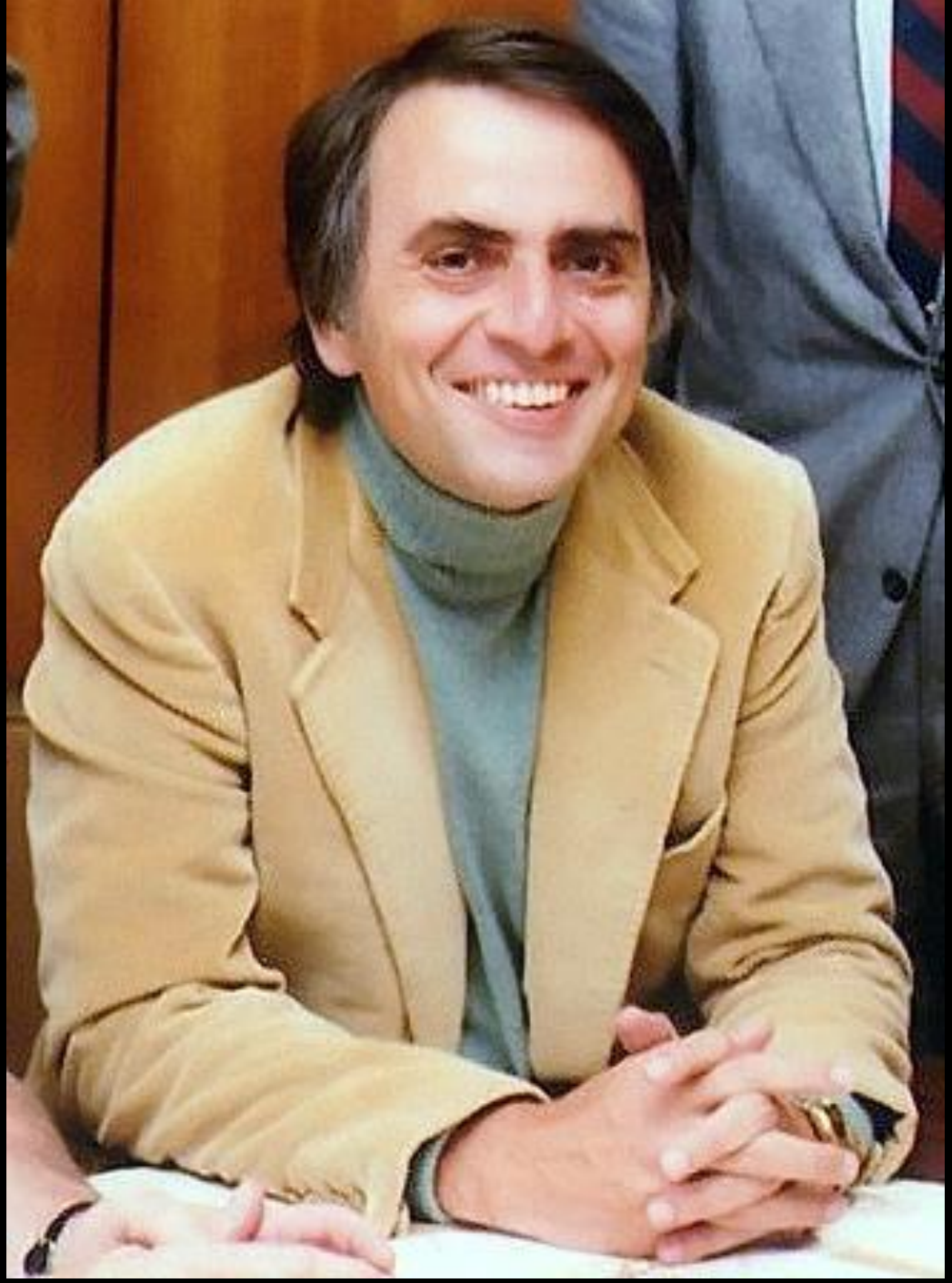
Электромагнитные

Материальные

Электромагнитные

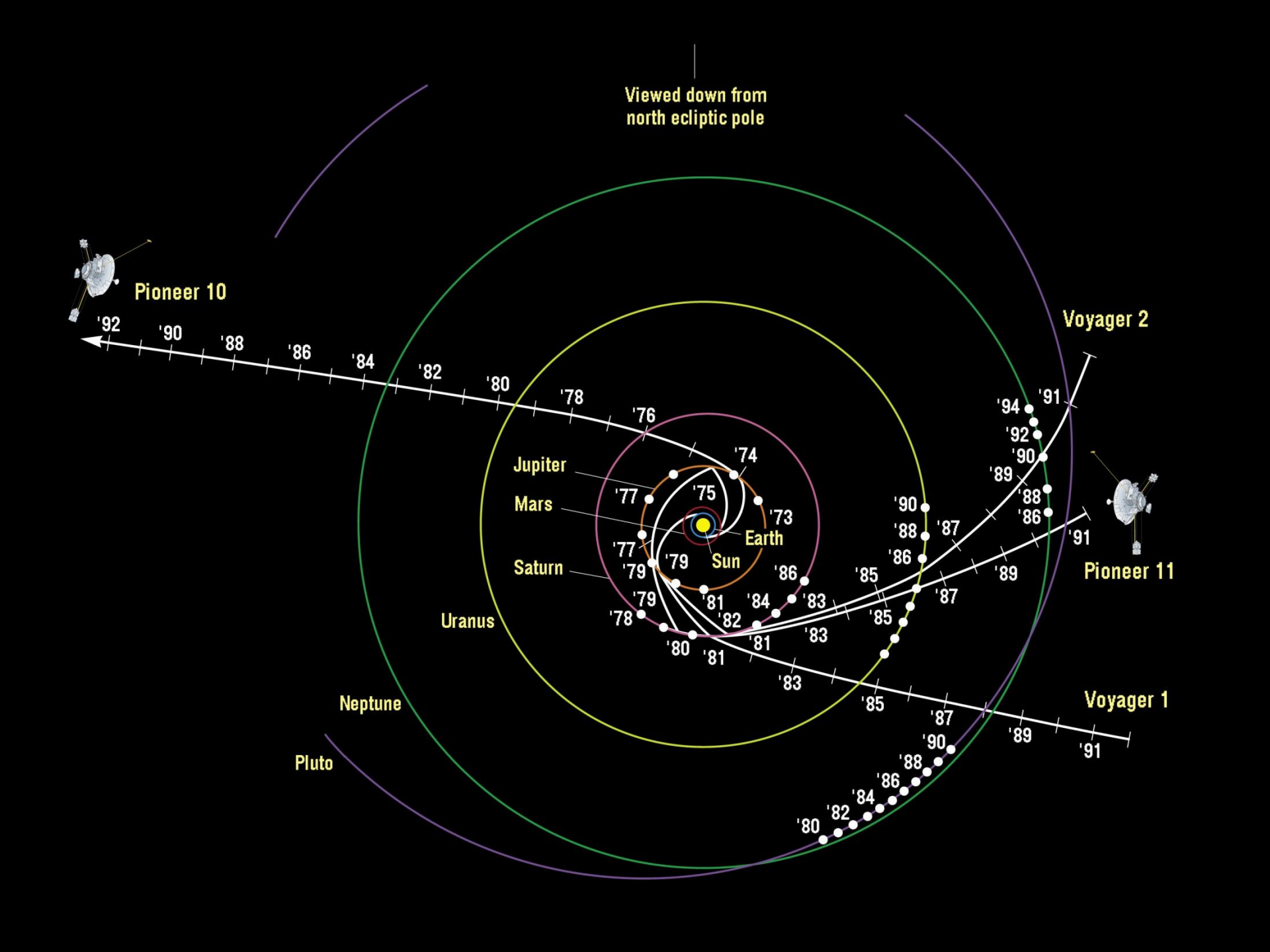

СССР
1959

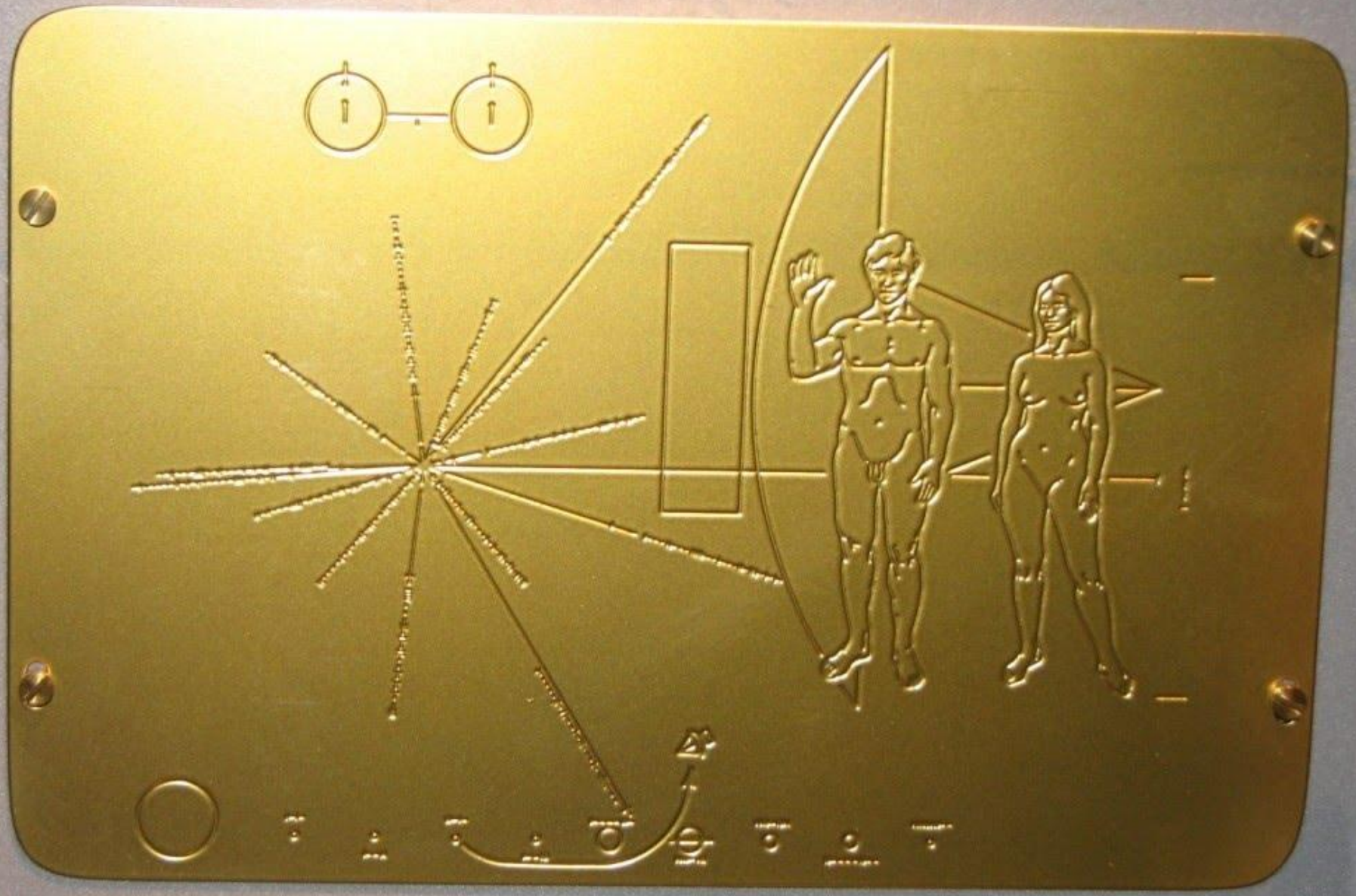
Размер:100 mm
Материал: Нержавеющая сталь
Зонд: Луна -2
Запуск: 1959



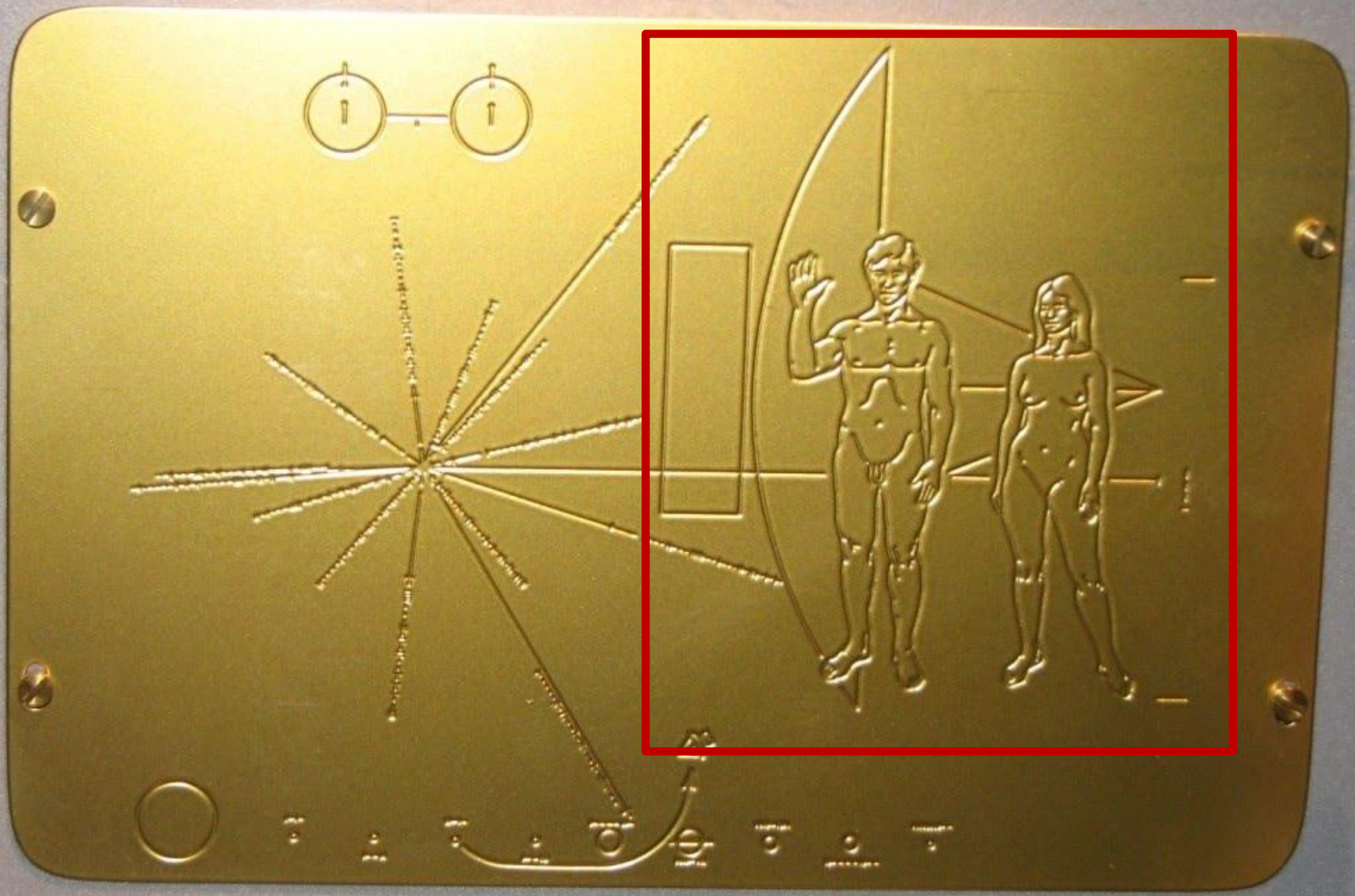
Карл Саган

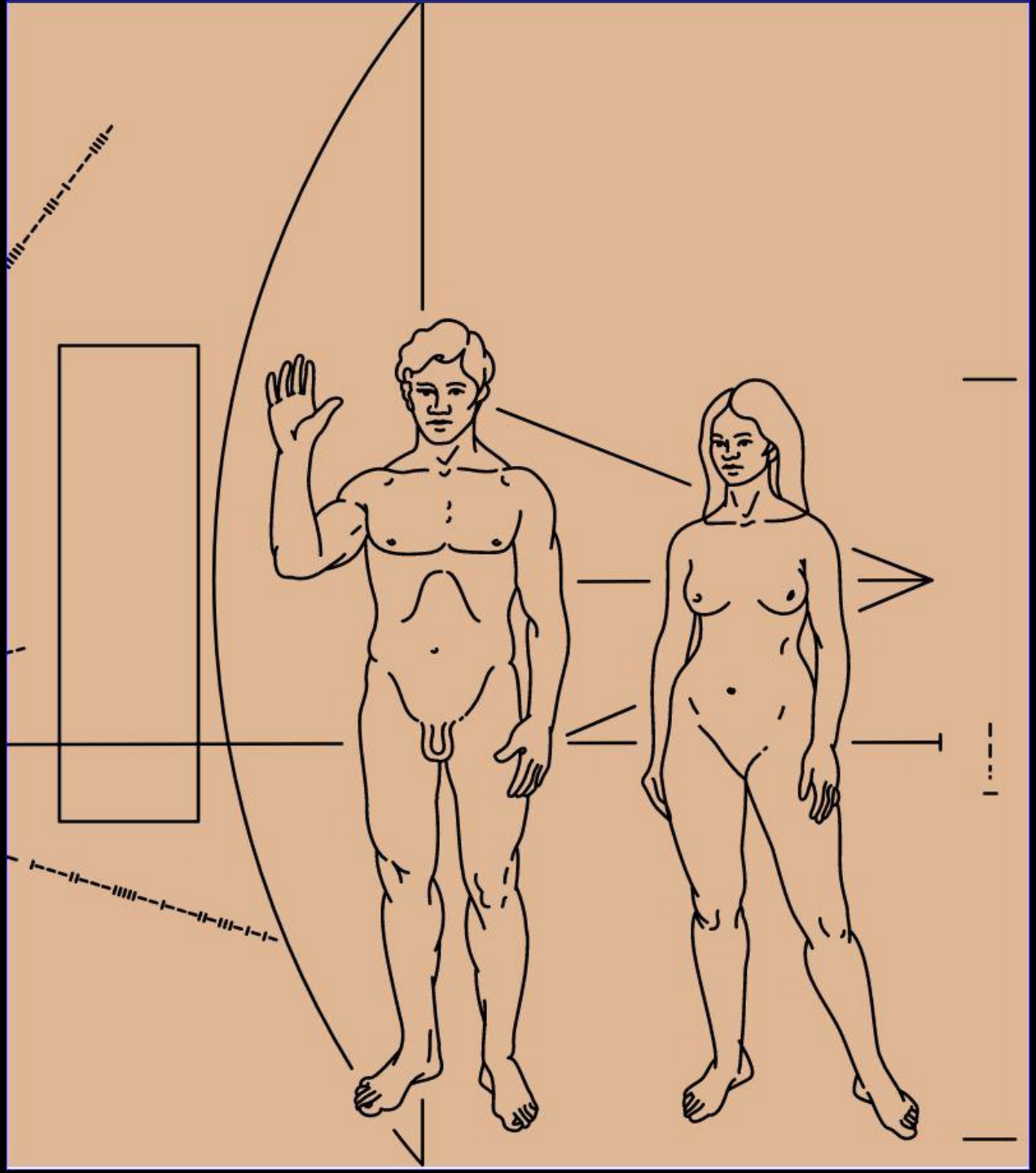
Френк Дрейк

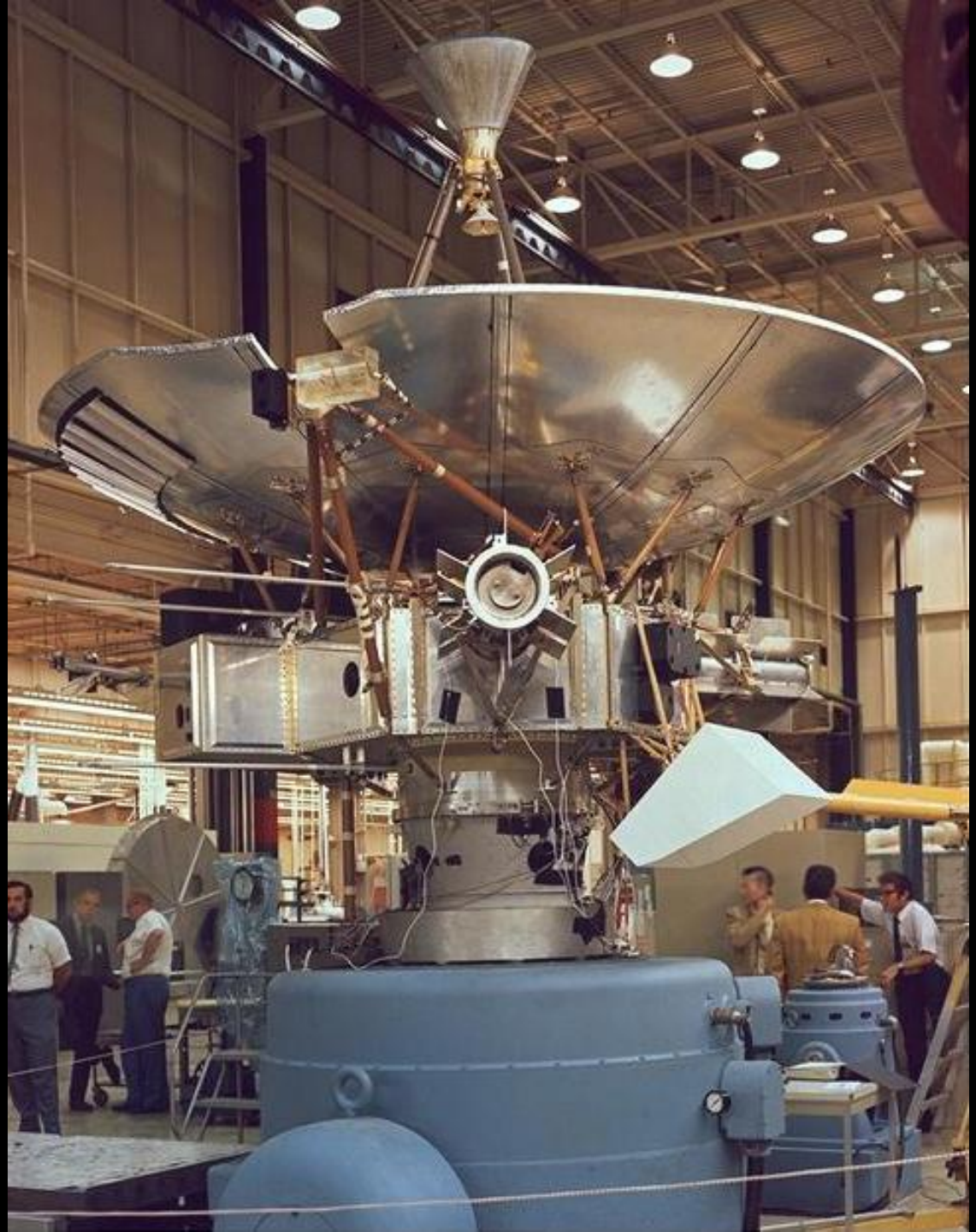

Viewed down from
north ecliptic pole
Pioneer 10
Voyager 2
Pioneer 11
Voyager 1
Jupiter
Mars
Saturn
Uranus
Neptune
Pluto
Earth
Sun
'92
'90
'88
'86
'84
'82
'80
'78
'76
'74
'73
'75
'77
'79
'81
'83
'85
'87
'89
'91
'94

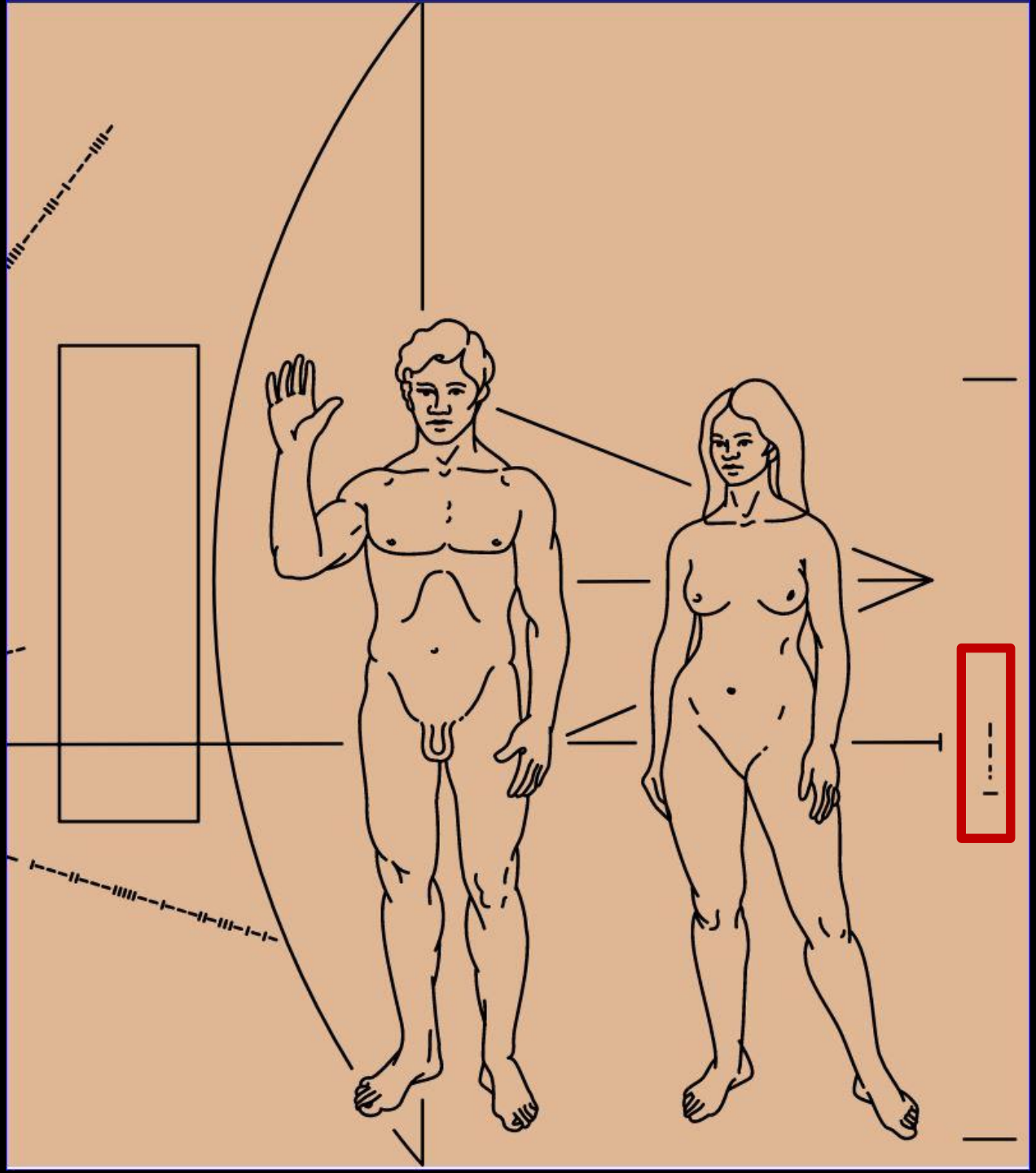


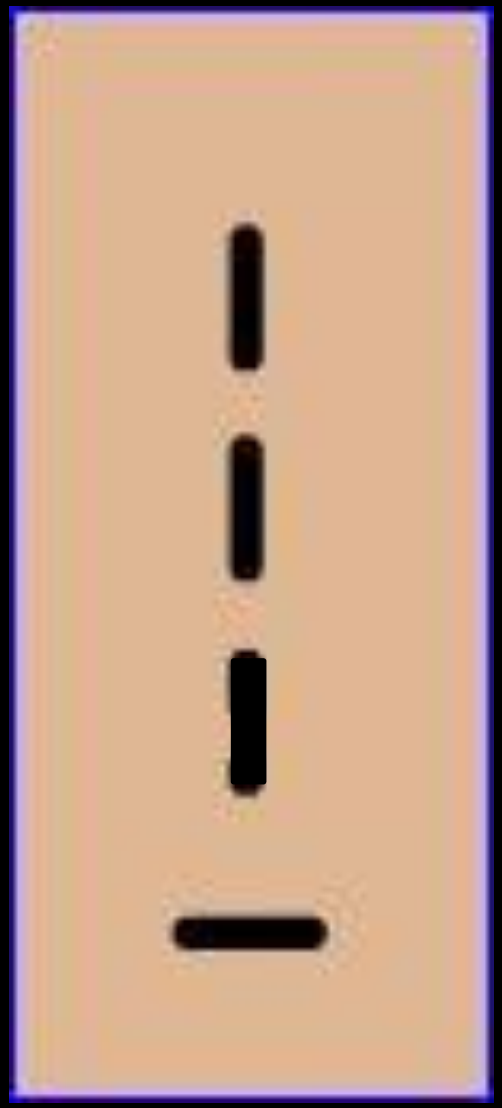

Размер:229x152x1.3mm
Материал:
позолоченный
алюминий
Зонд: Pioneer 10
Запуск: 1972

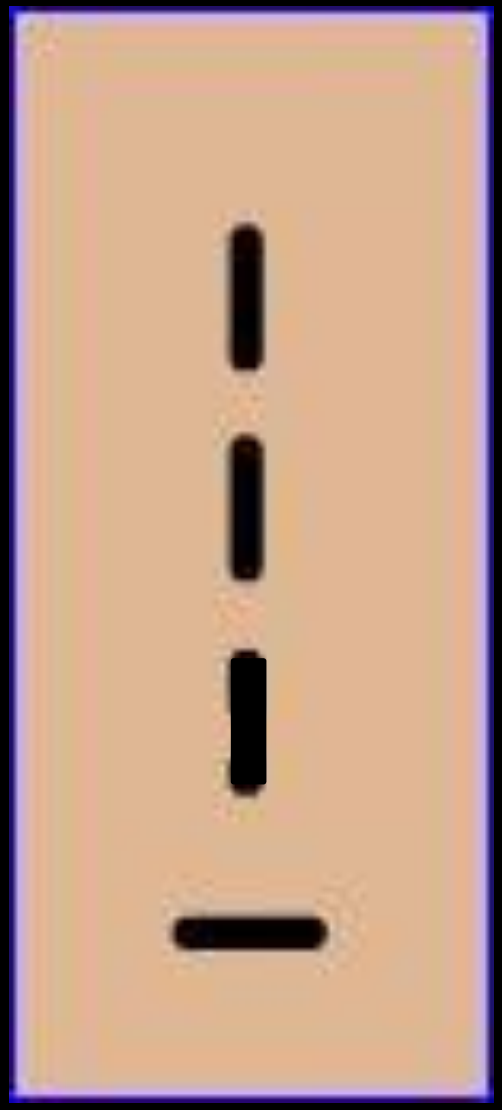




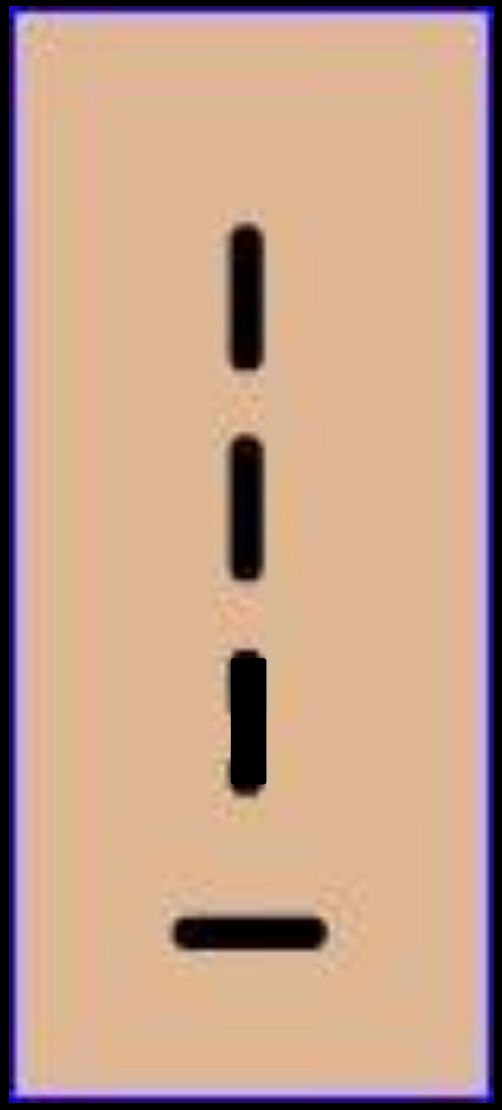




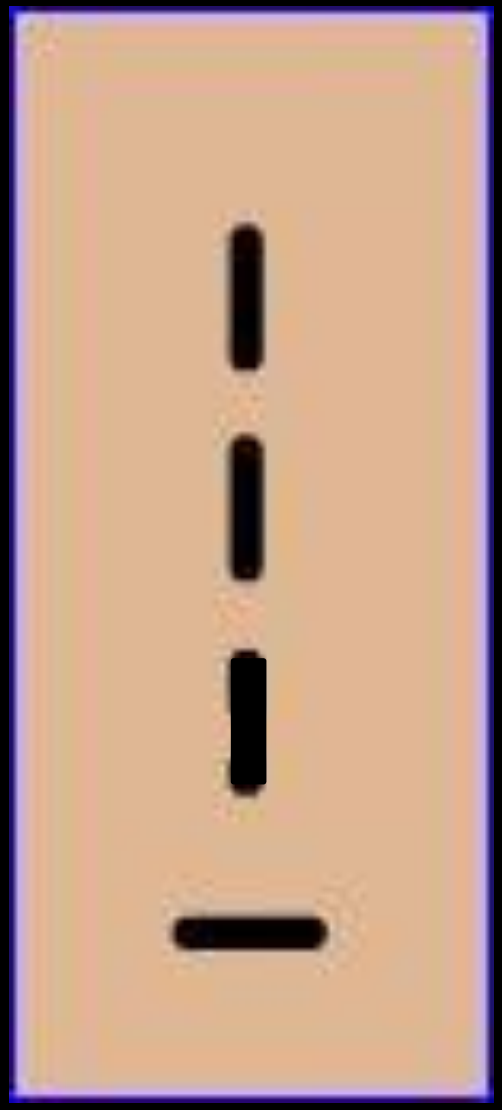




1
10
11
100
101
110
111
1000
1001
1010

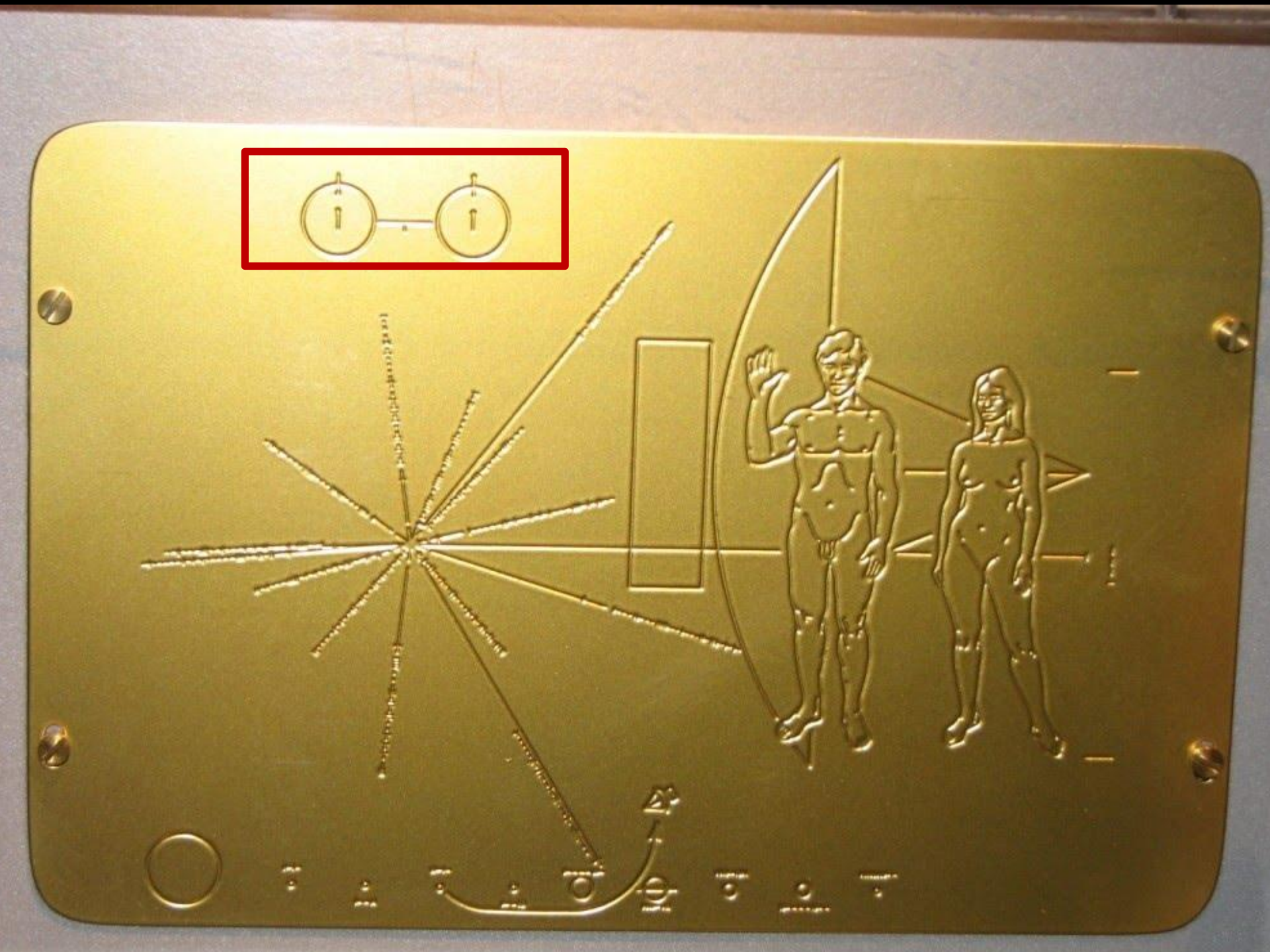


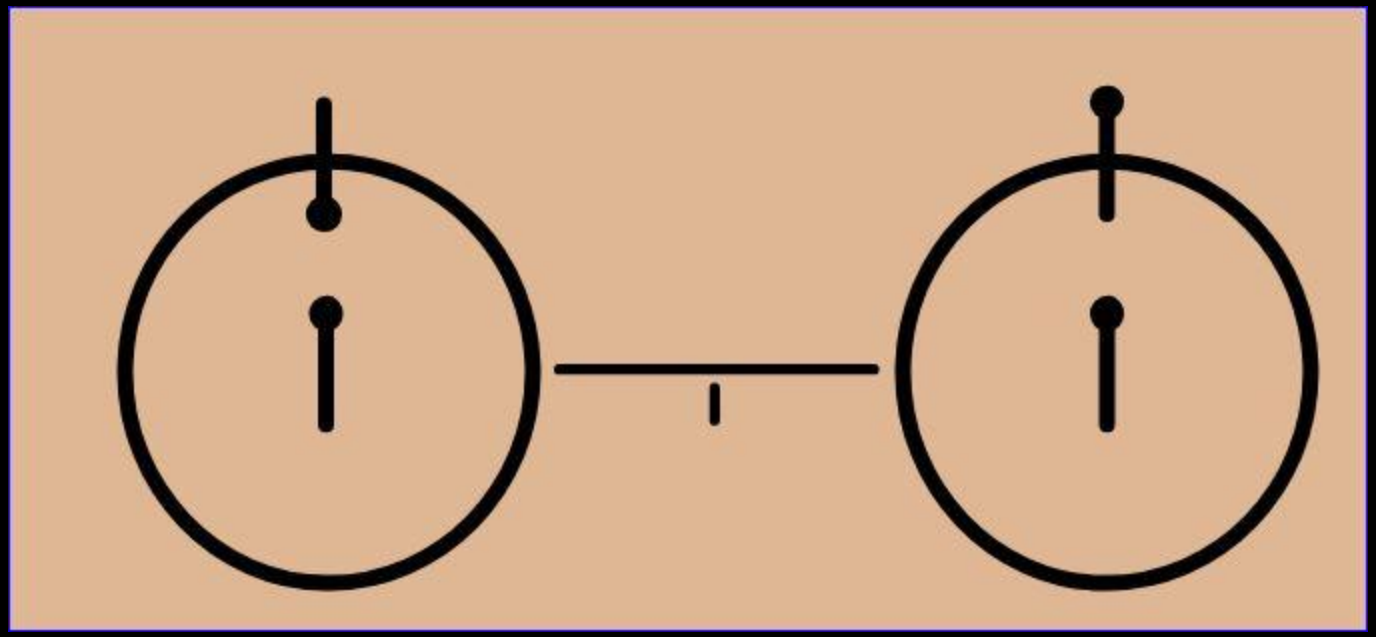
1	1
10	2
11	3
100	4
101	5
110	6
111	7
1000	8
1001	9
1010	10

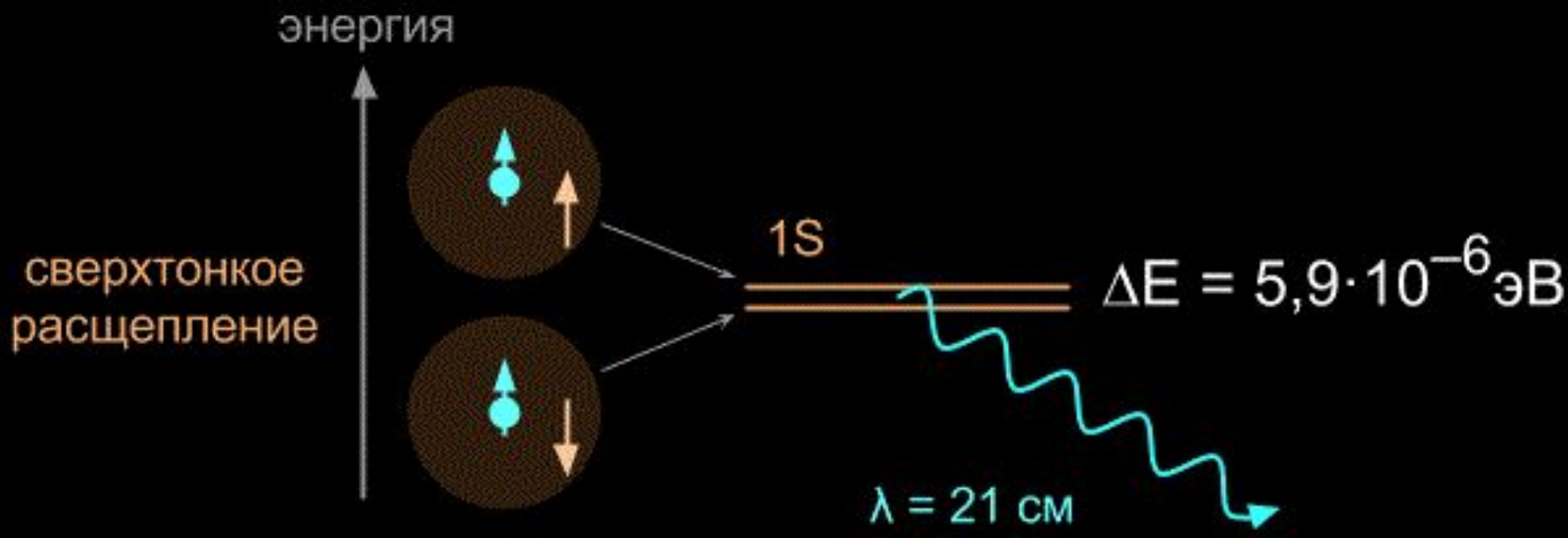


1	1
10	2
11	3
100	4
101	5
110	6
111	7
1000	8
1001	9
1010	10

8

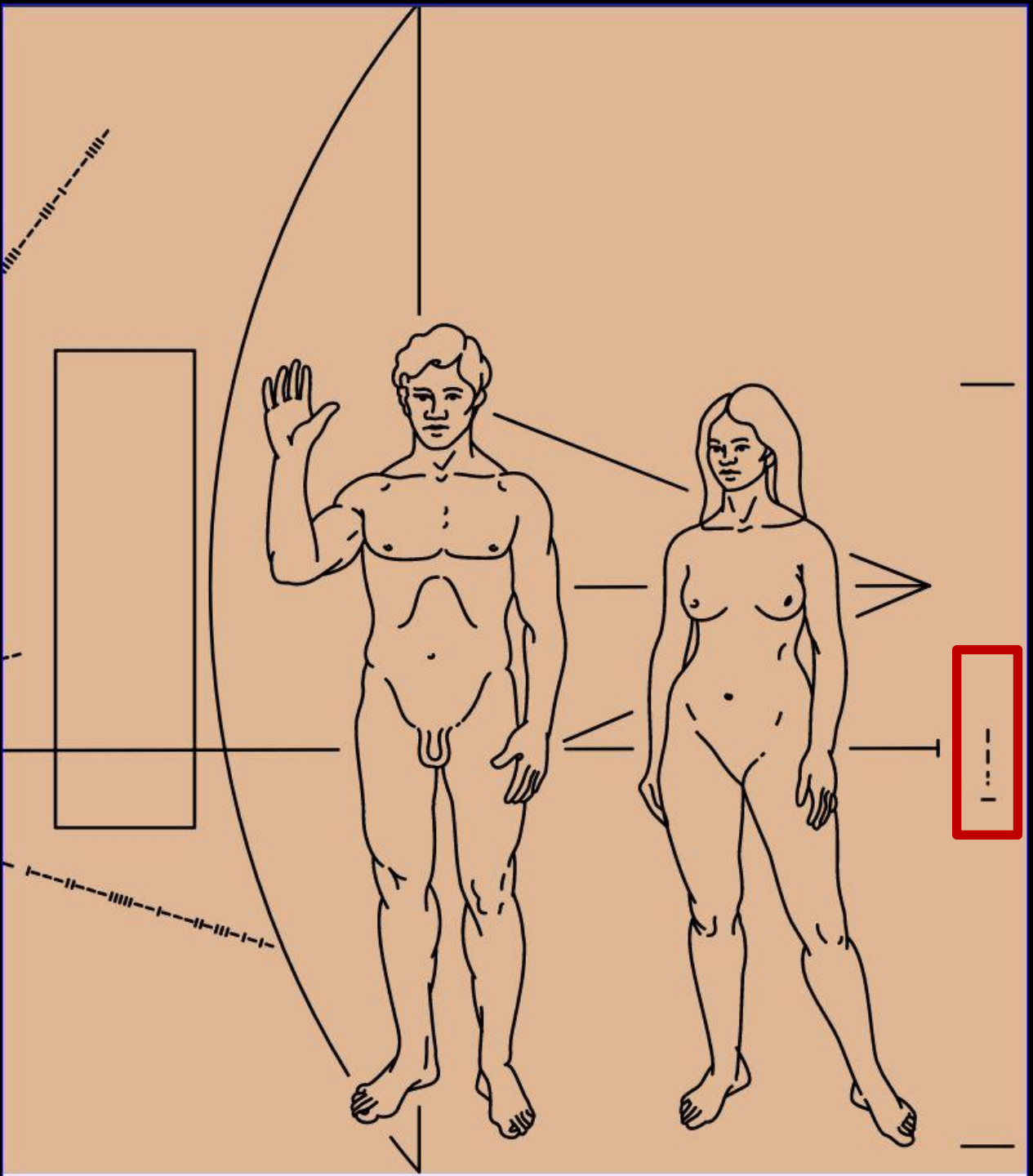




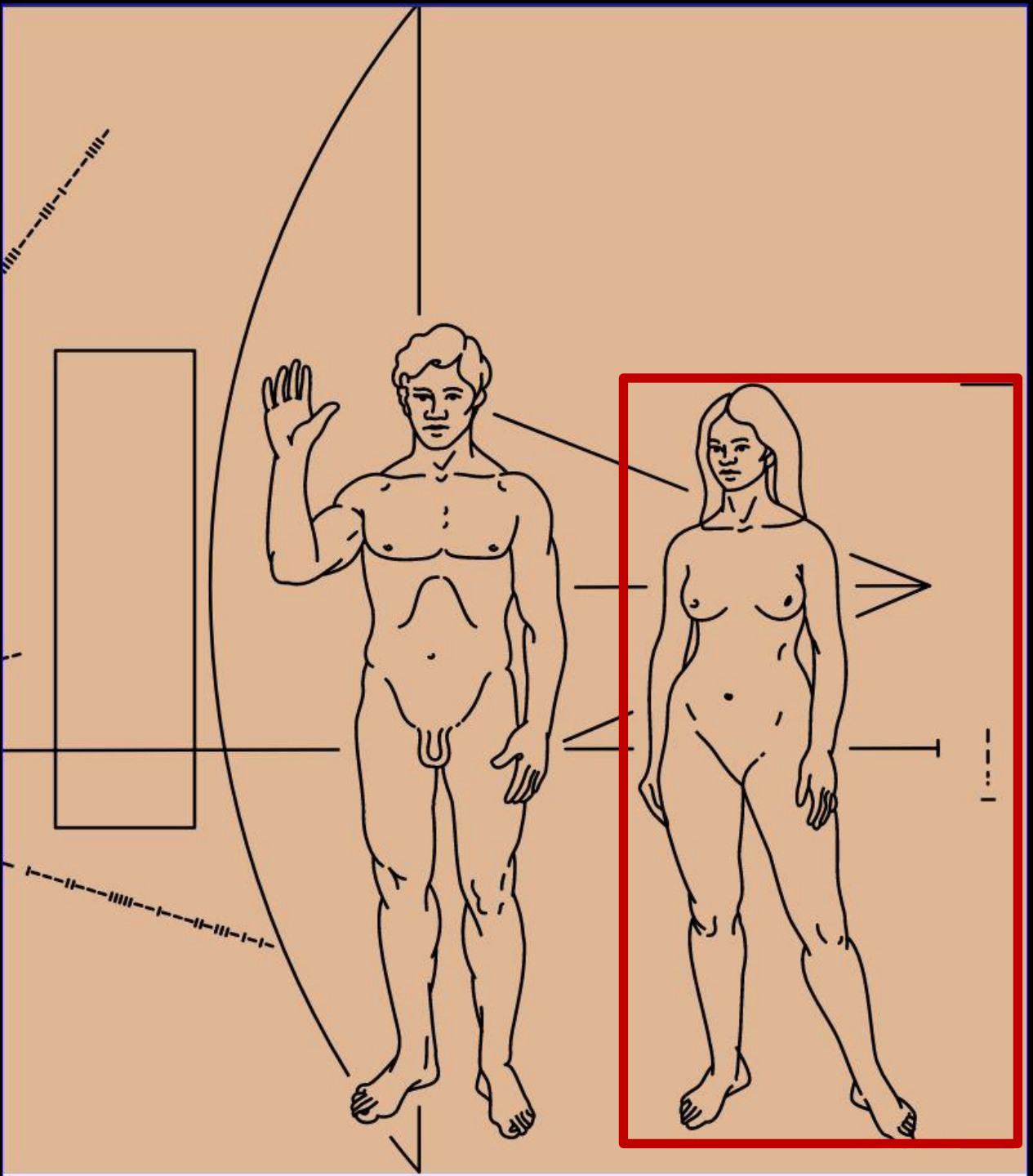


ν = 1420,40575 МГц

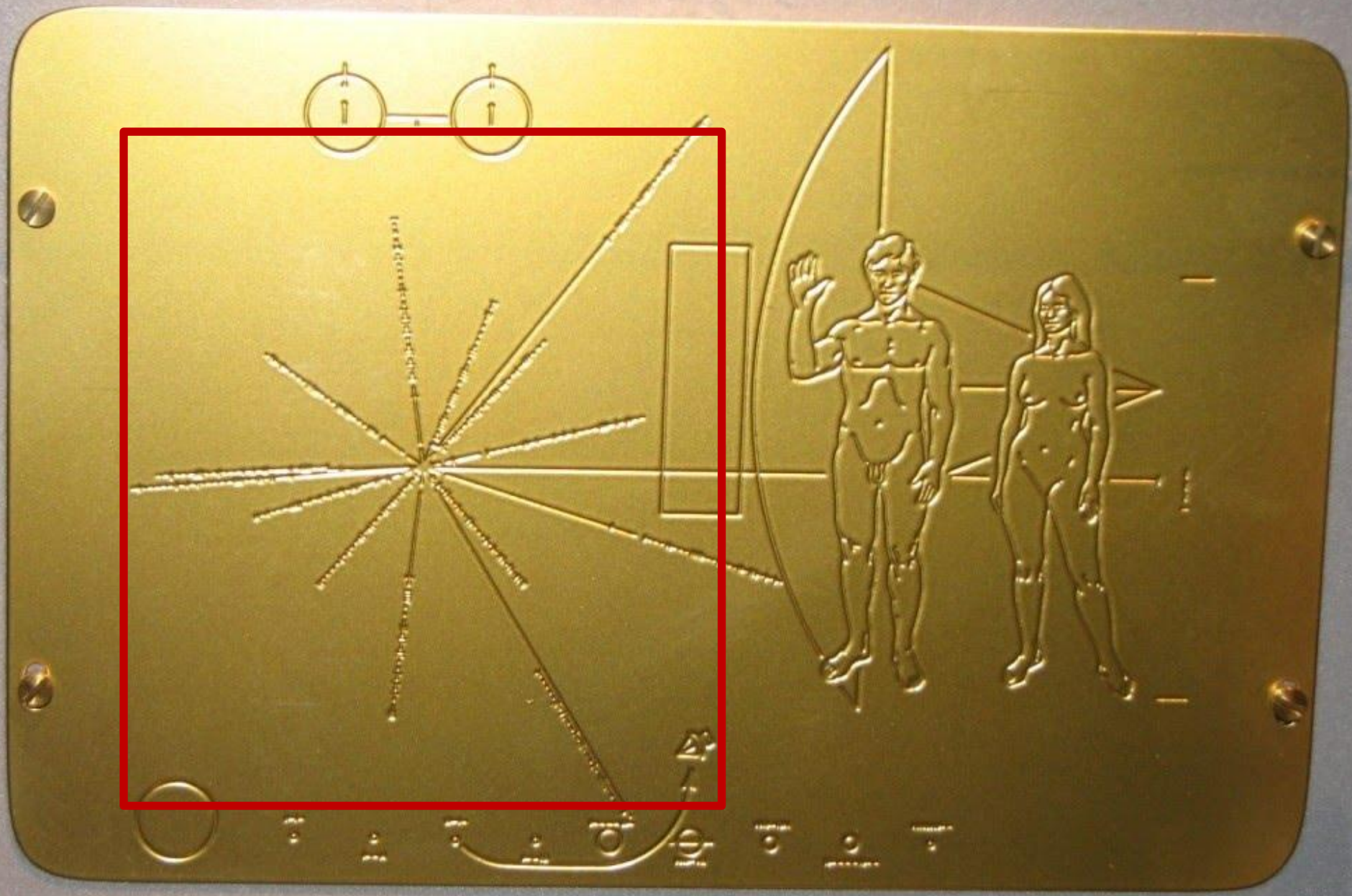
T = 0.7 нс

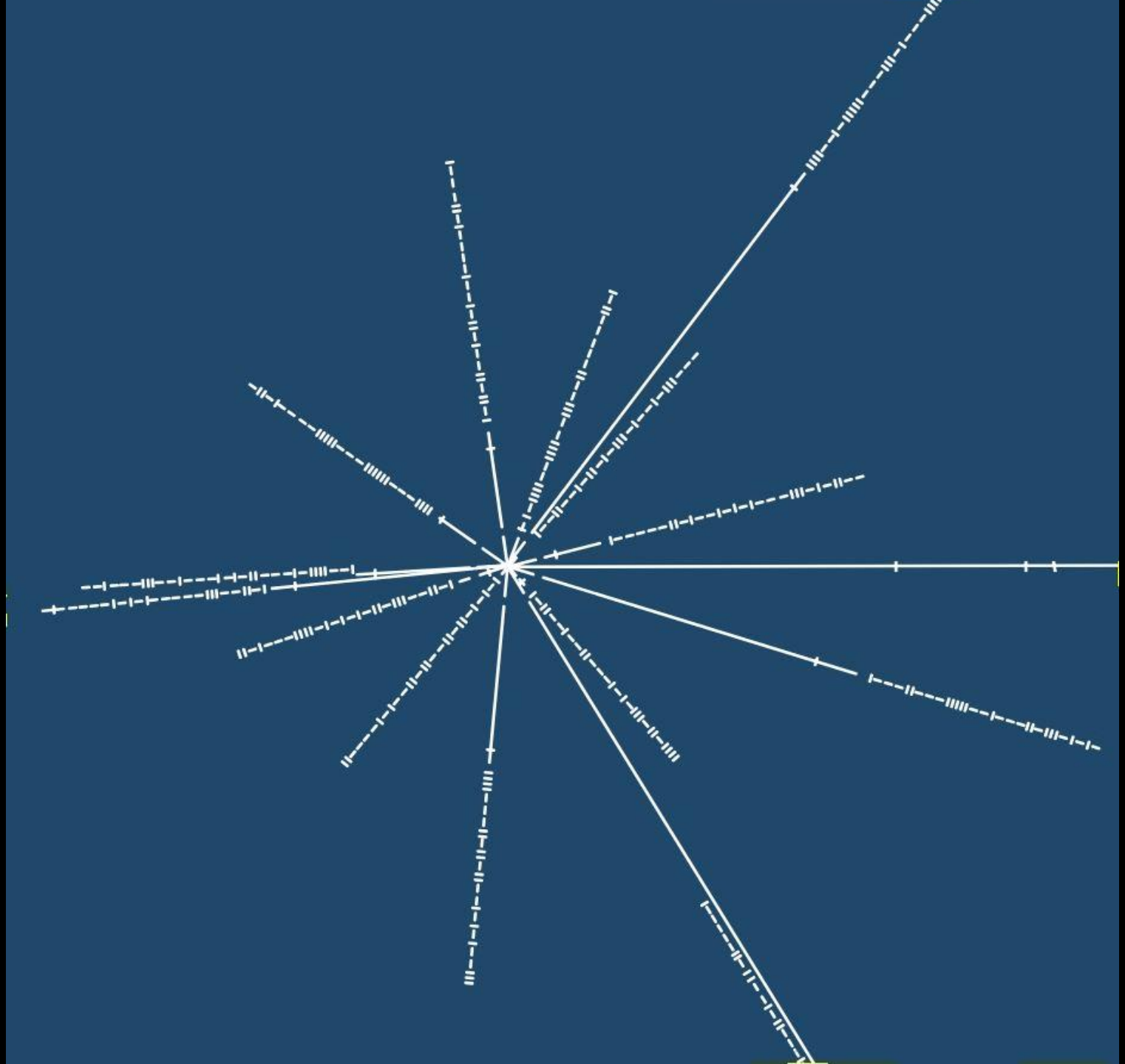


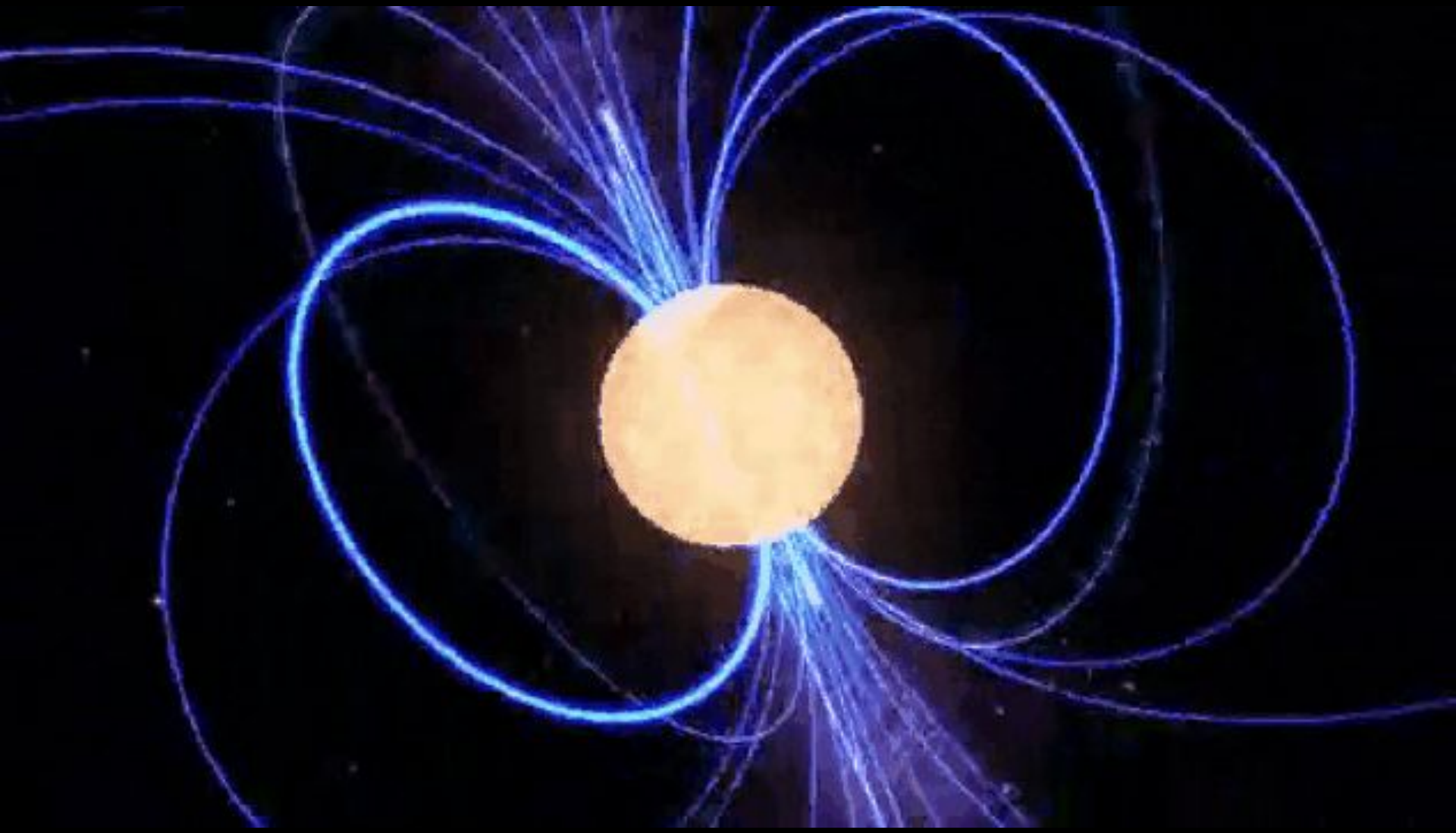
8*21=
=168см

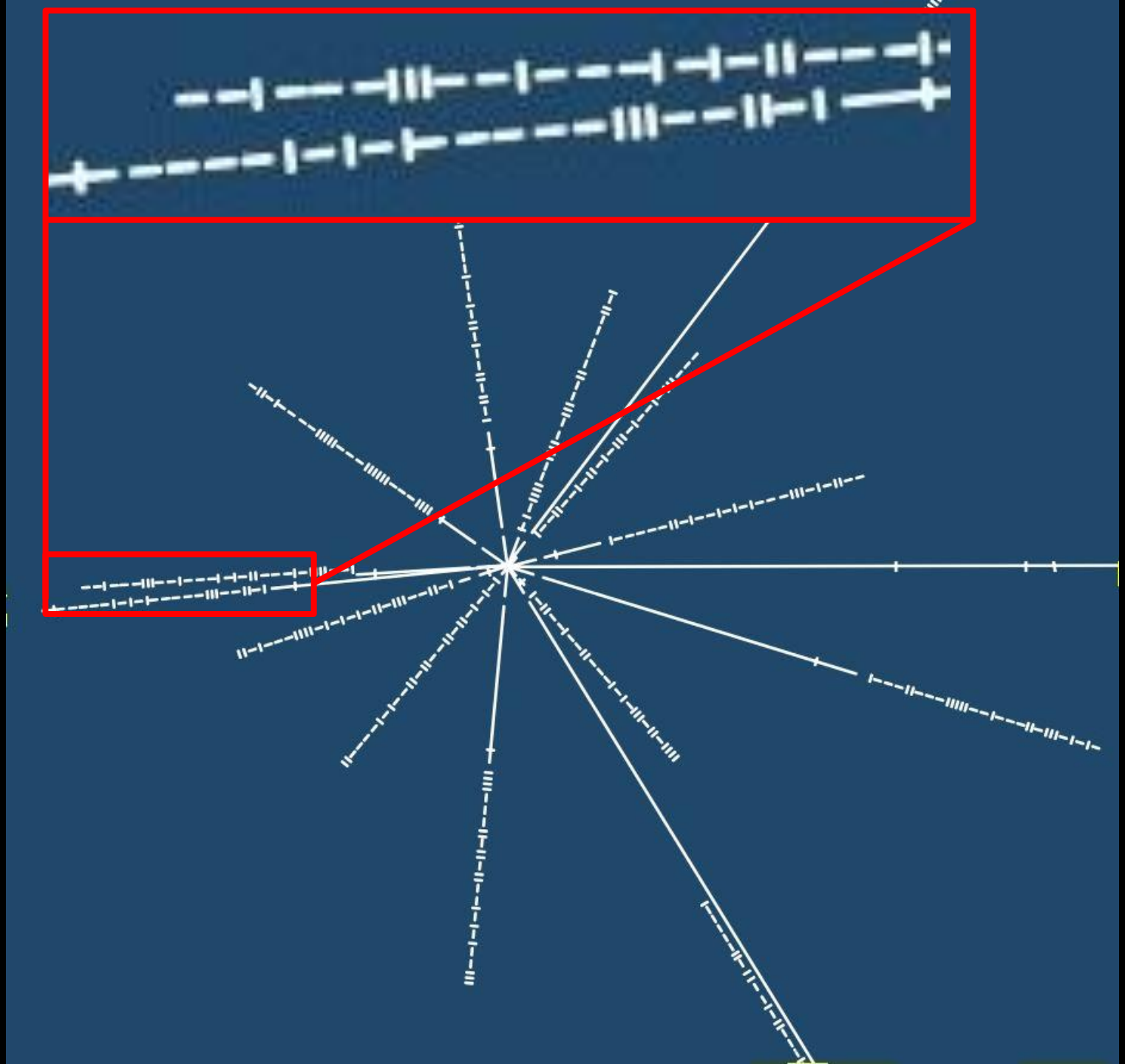


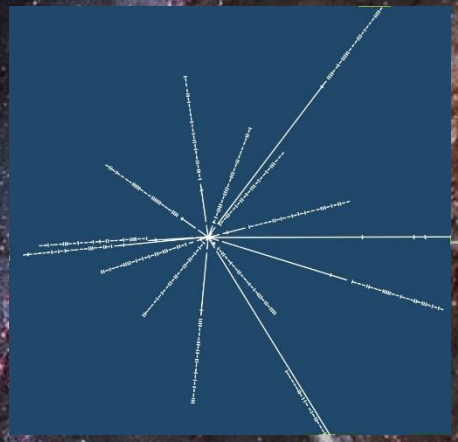
8*21=
=168см

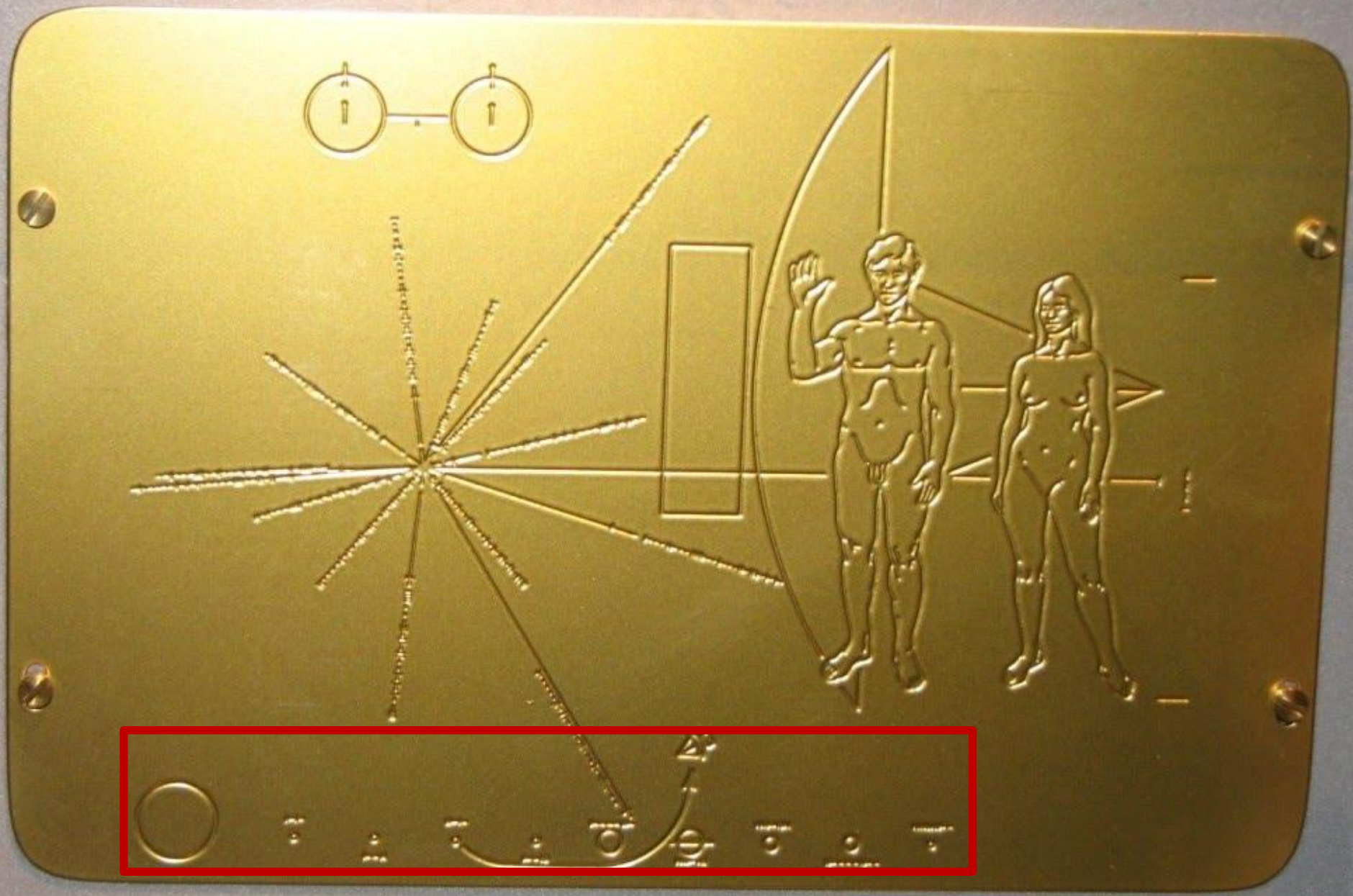


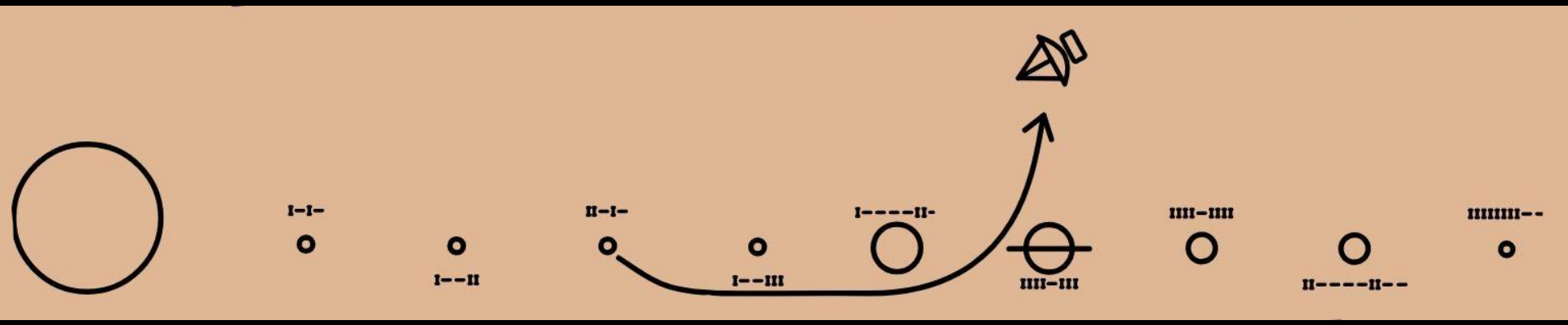


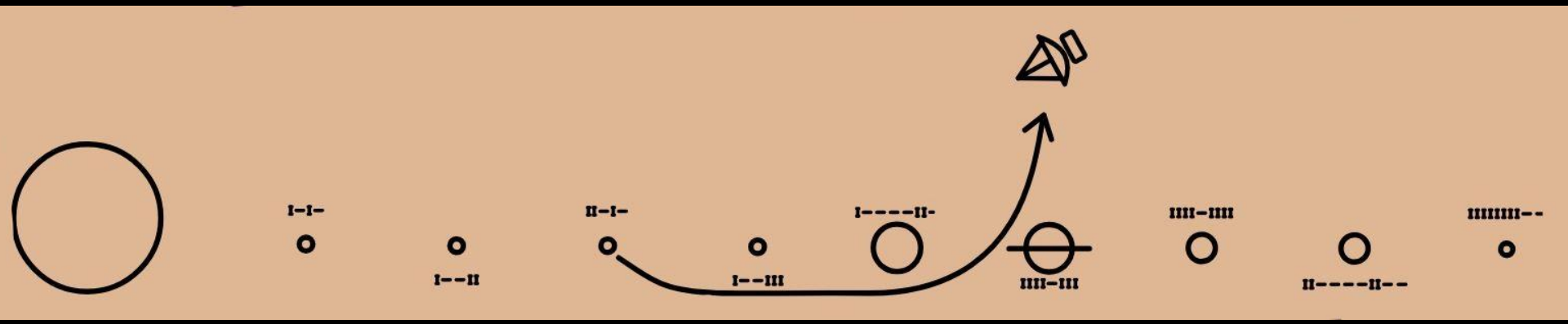




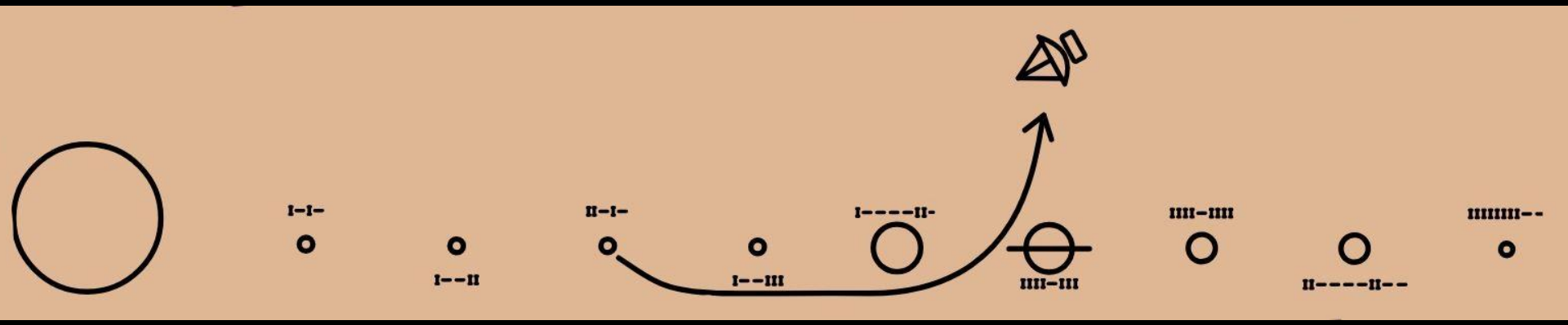





I–I–
I--II
II–I–
I--III
I----II-
IIII–III
IIII–IIII
II----II--
IIIIIIII--



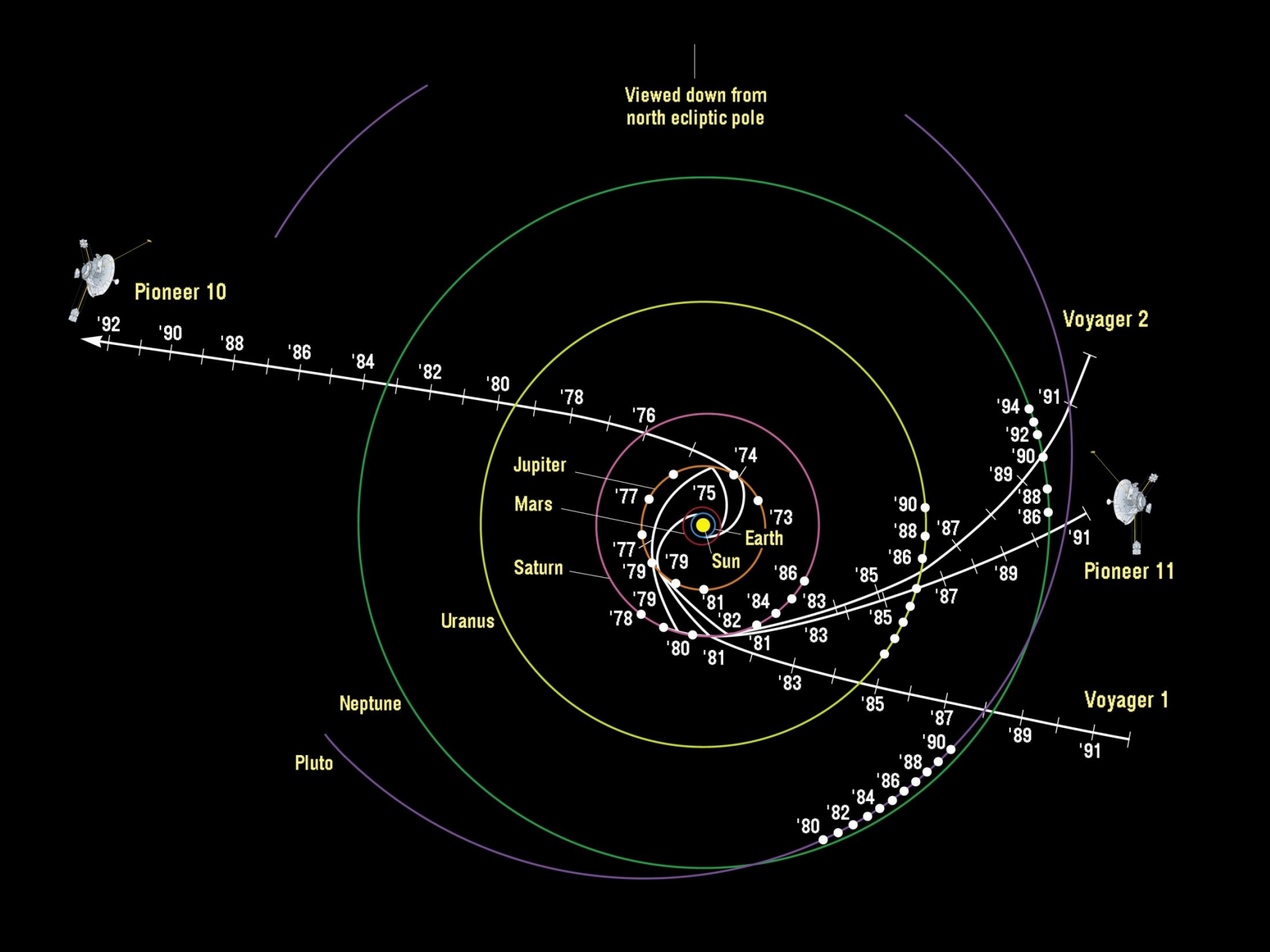
1010 10011 11010 100111 10000110 11110111 111101111 1100001100 1111111100



1010 10011 11010 100111 10000110 11110111 111101111 1100001100 1111111100

10 19 26 39 134 247 495 780
1020

1= 5,6 млн. км


Viewed down from
north ecliptic pole
Pioneer 10
Voyager 2
Pioneer 11
Voyager 1
Jupiter
Mars
Saturn
Uranus
Neptune
Pluto
Earth
Sun
'92
'90
'88
'86
'84
'82
'80
'78
'76
'74
'73
'75
'77
'79
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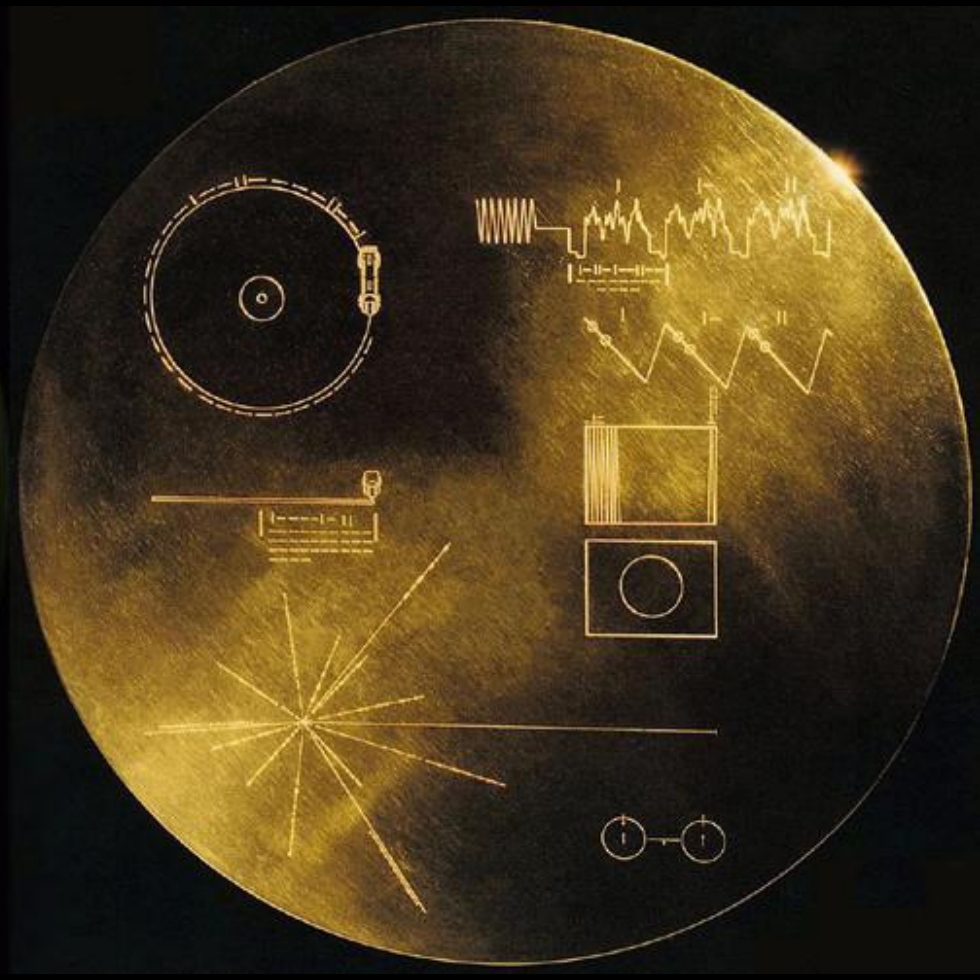
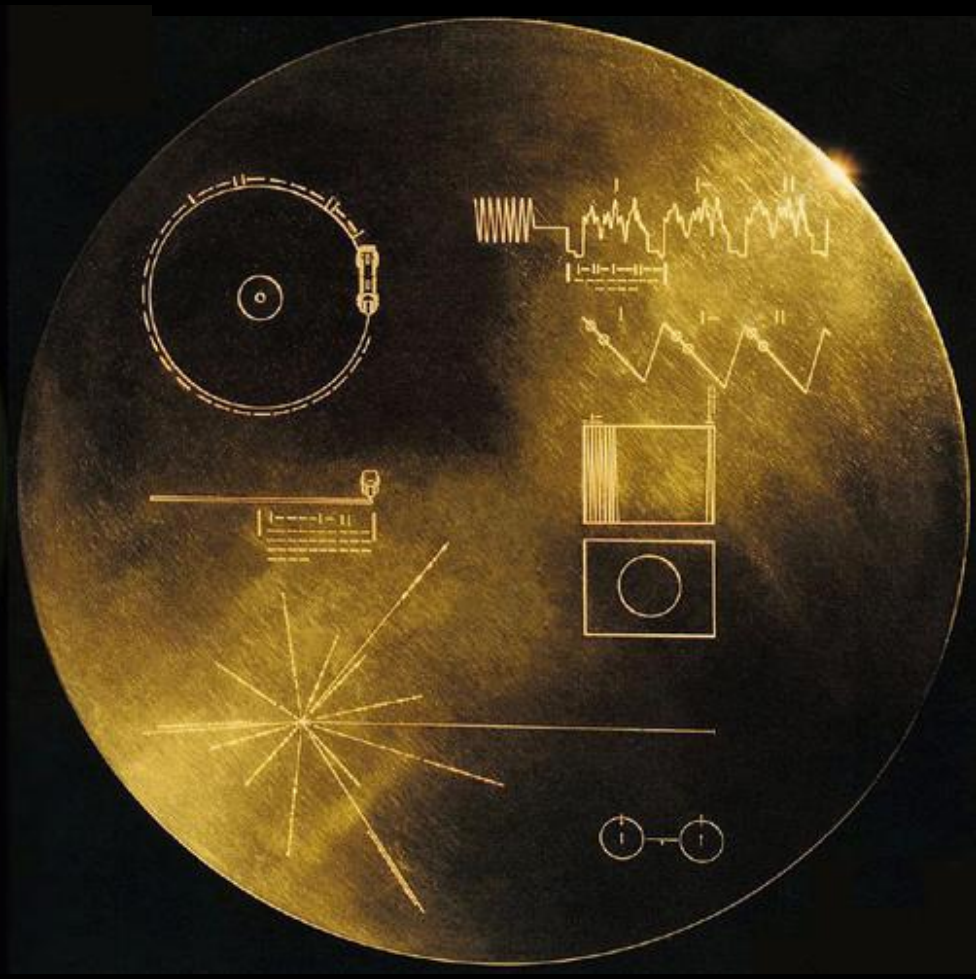
'83
'85
'87
'89
'91
'94

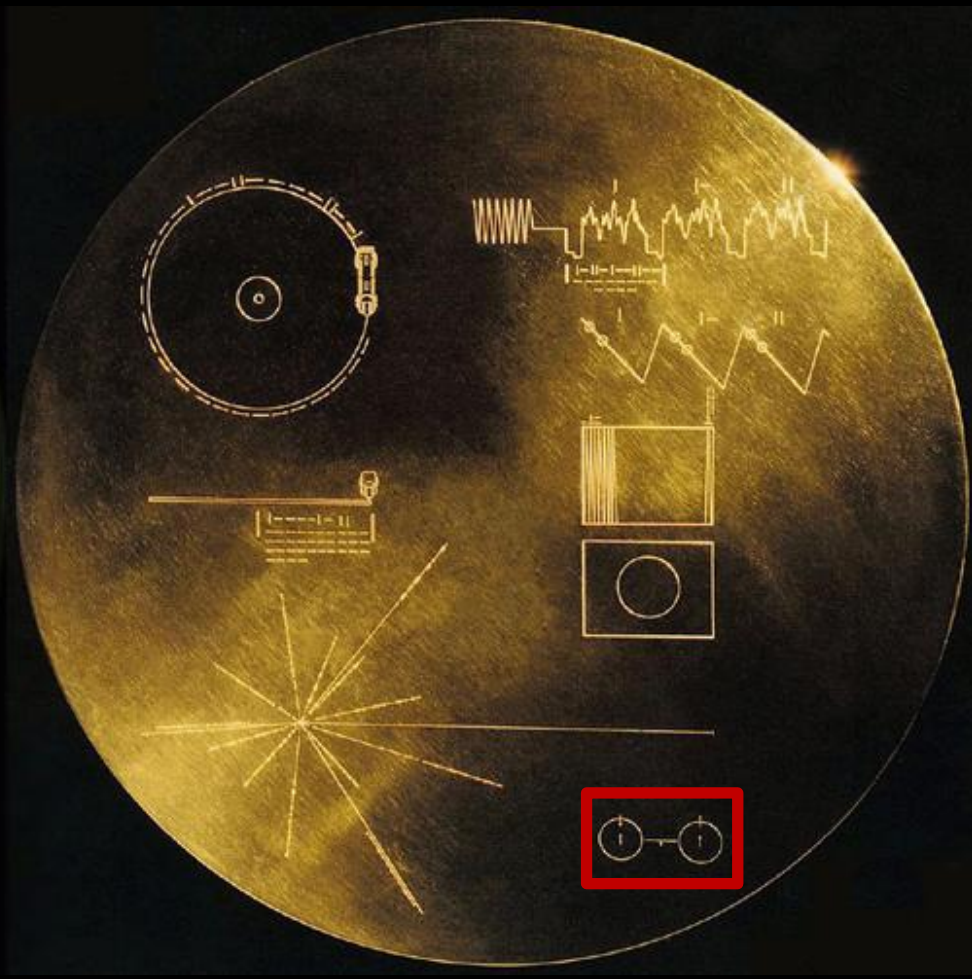

THE
SOUNDS
OF
EARTH
UNITED STATES OF AMERICA
PLANET EARTH



Размер: r=15 см
Материал: позолоченный алюминий
Зонд: Voyager
Запуск: 1977

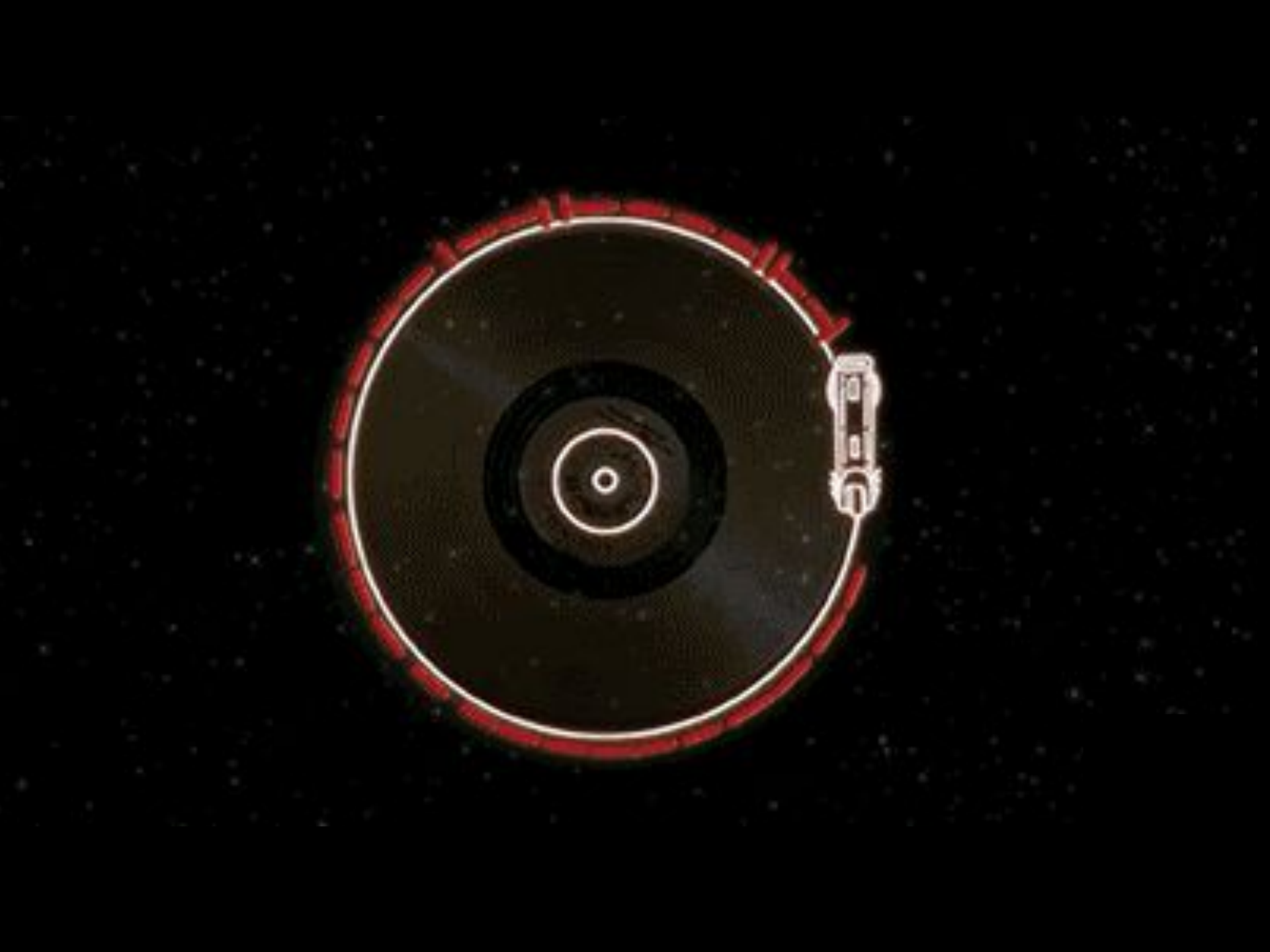



THE
SOUNDS
OF
EARTH
UNITED STATES OF AMERICA
PLANET EARTH



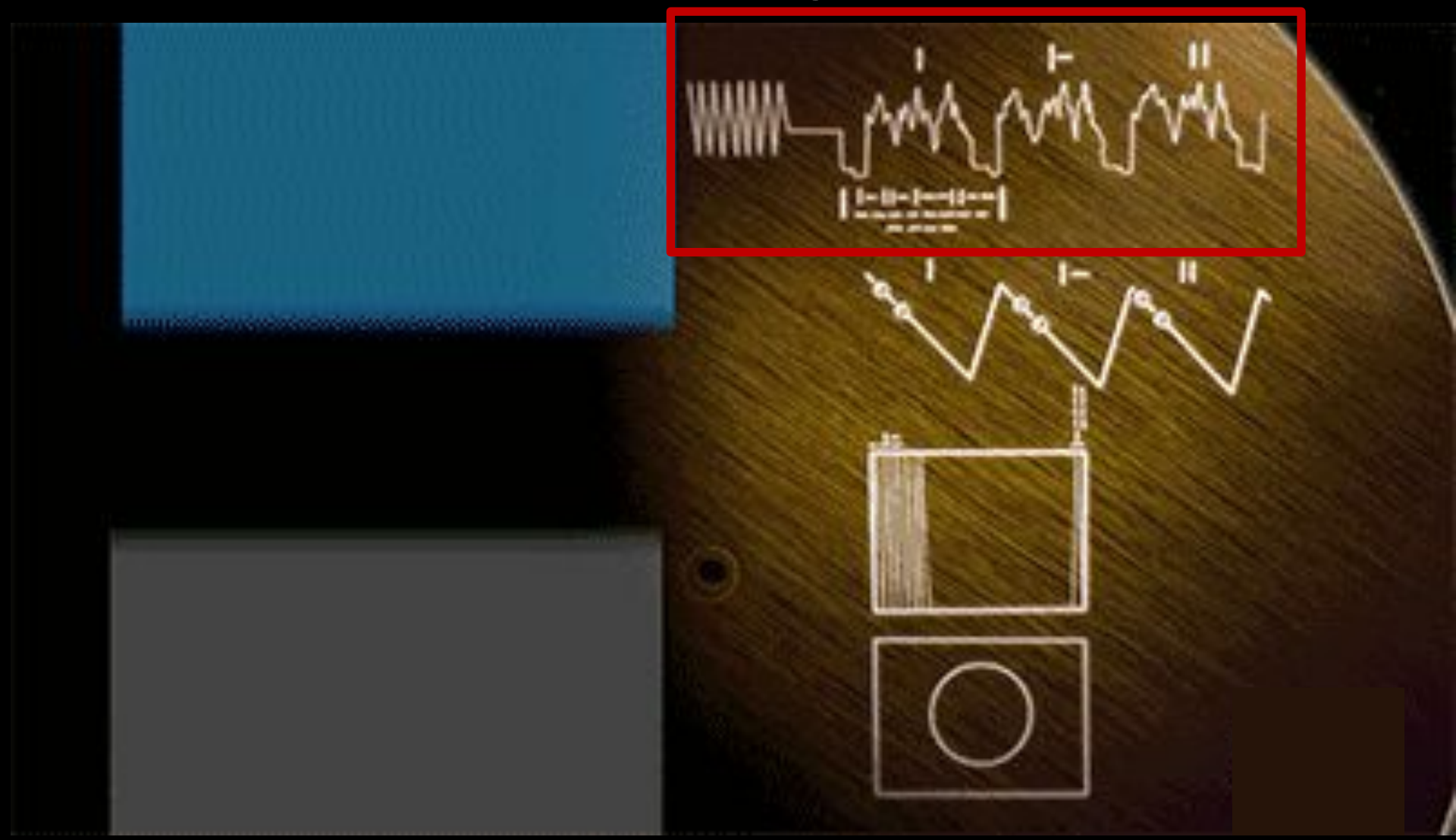

THE SOUNDS OF EARTH
UNITED STATES OF AMERICA
PLANET EARTH

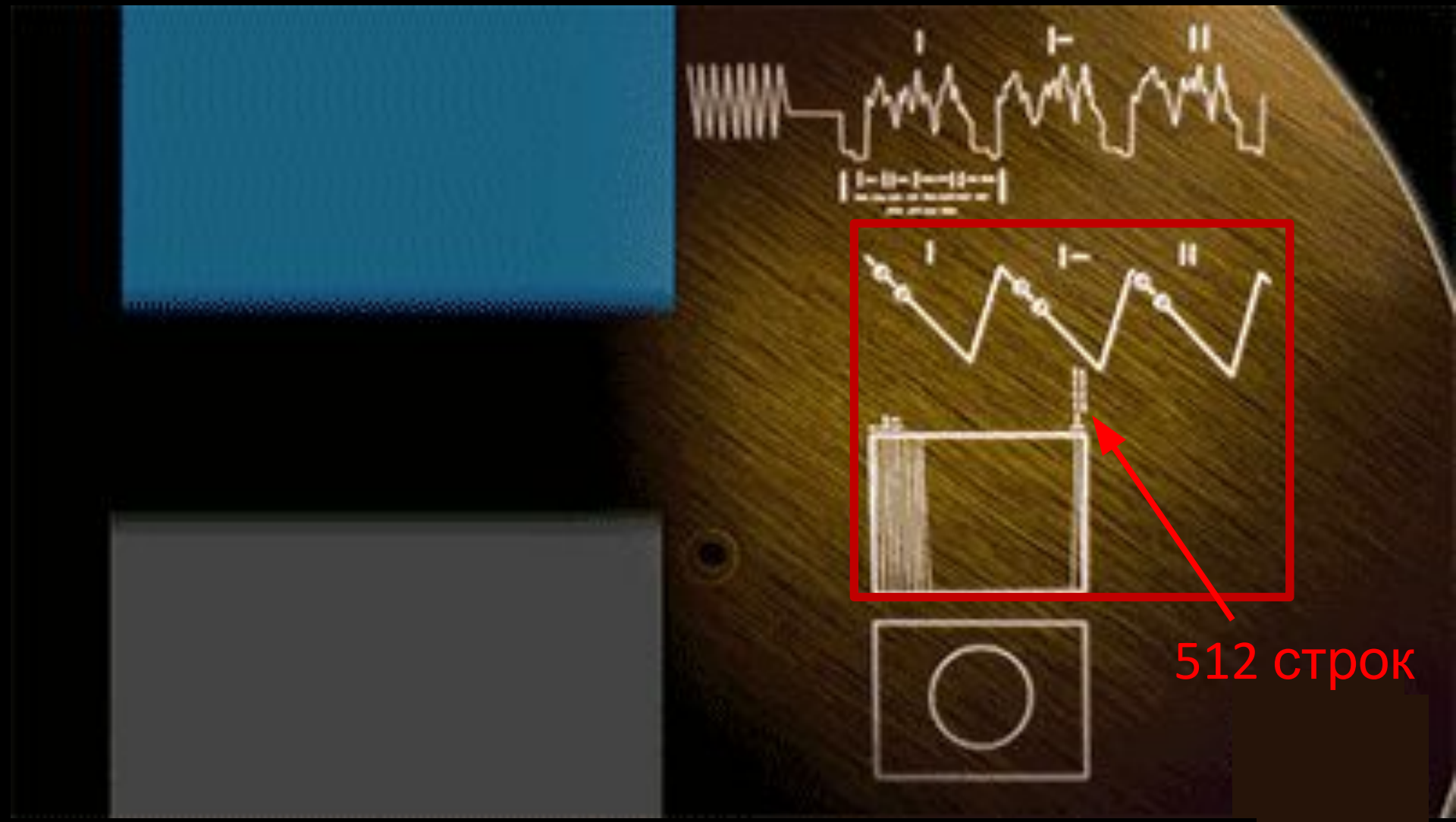

THE SOUNDS OF EARTH
UNITED STATES OF AMERICA
PLANET EARTH

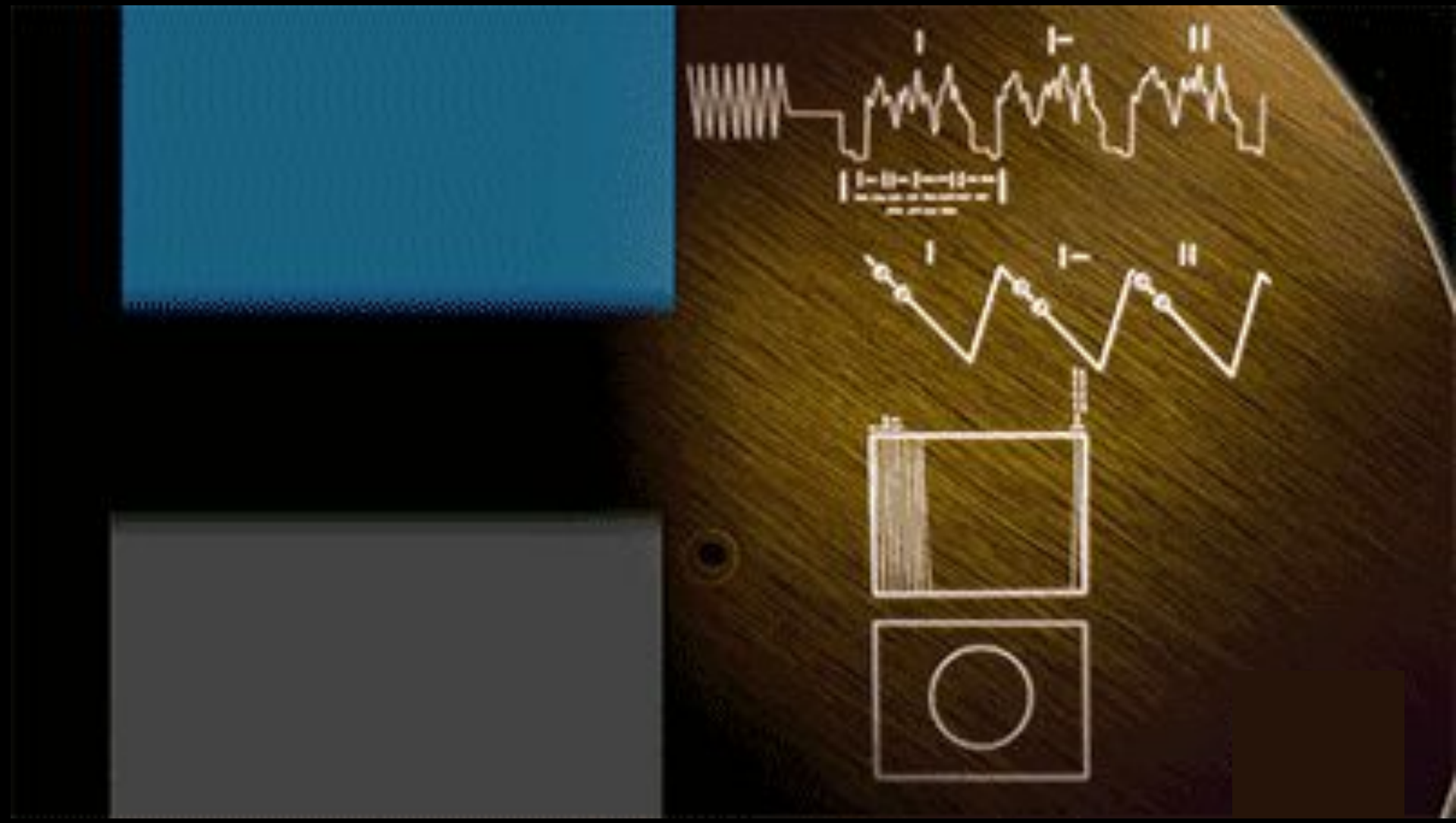



THE SOUNDS OF EARTH
UNITED STATES OF AMERICA
PLANET EARTH

~8 мс




I
II
I
II
512 строк


I
II
I
II

•	= |	= 1
••	= |–	= 2
•••	= ||	= 3
••••	= |––	= 4
•••••	= |–|	= 5
••••••	= ||–	= 6
	|||	= 7
	|–––	= 8
	|––|	= 9
	|–|–	= 10

\|\|–– = 12

\|\|––– = 24

\|\|––\|–– = 100 = 10^2

\|\|\|\|\|–\|––– = 1000 = 10^3

$2+3=5$

$8+17=25$

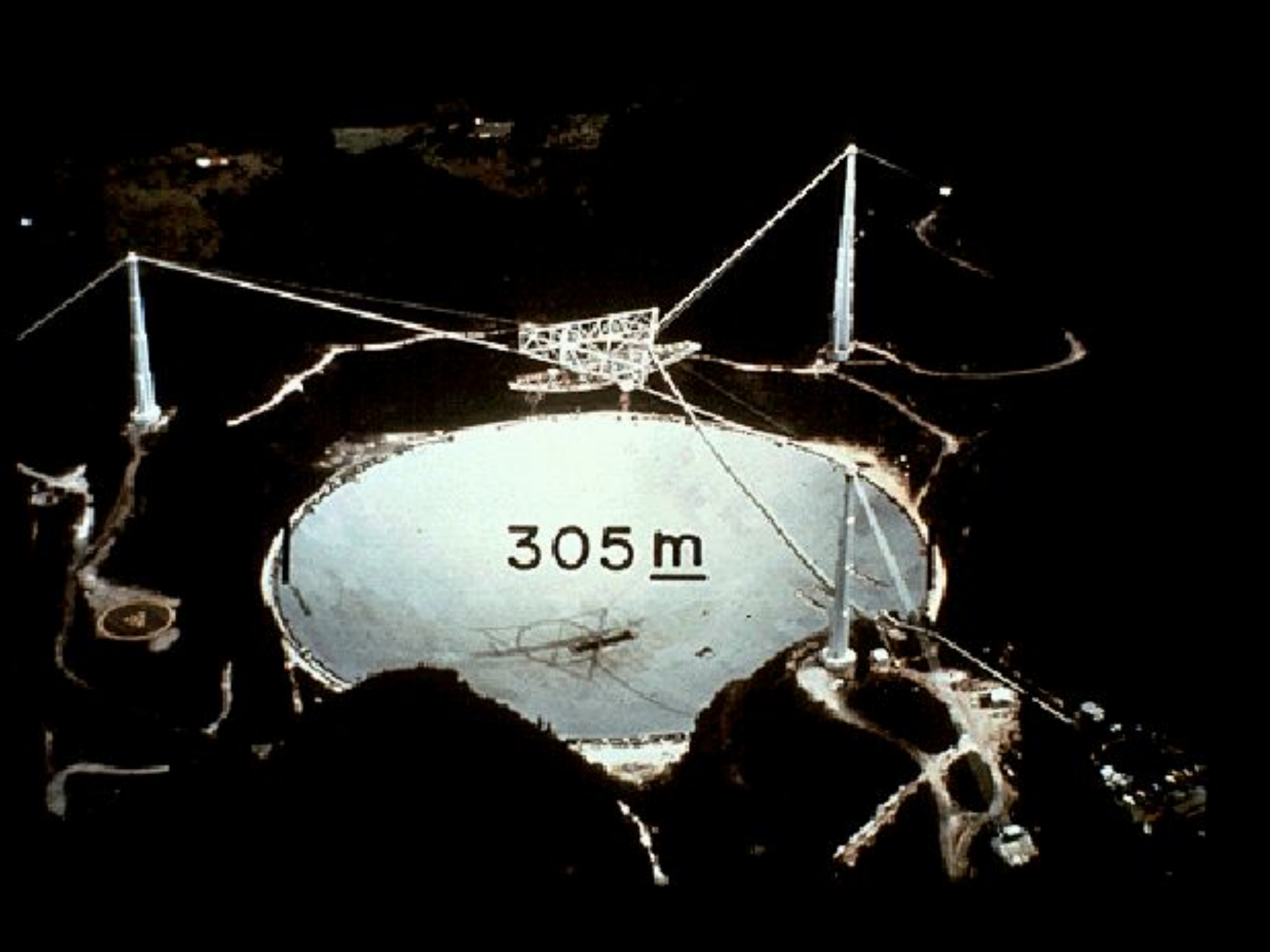
$\frac{1}{2}+\frac{1}{3}=\frac{5}{6}$

$\frac{1}{3}+\frac{1}{5}=\frac{8}{15}$

$5+\frac{2}{3}=5\frac{2}{3}$

$2 \times 3 = 6$

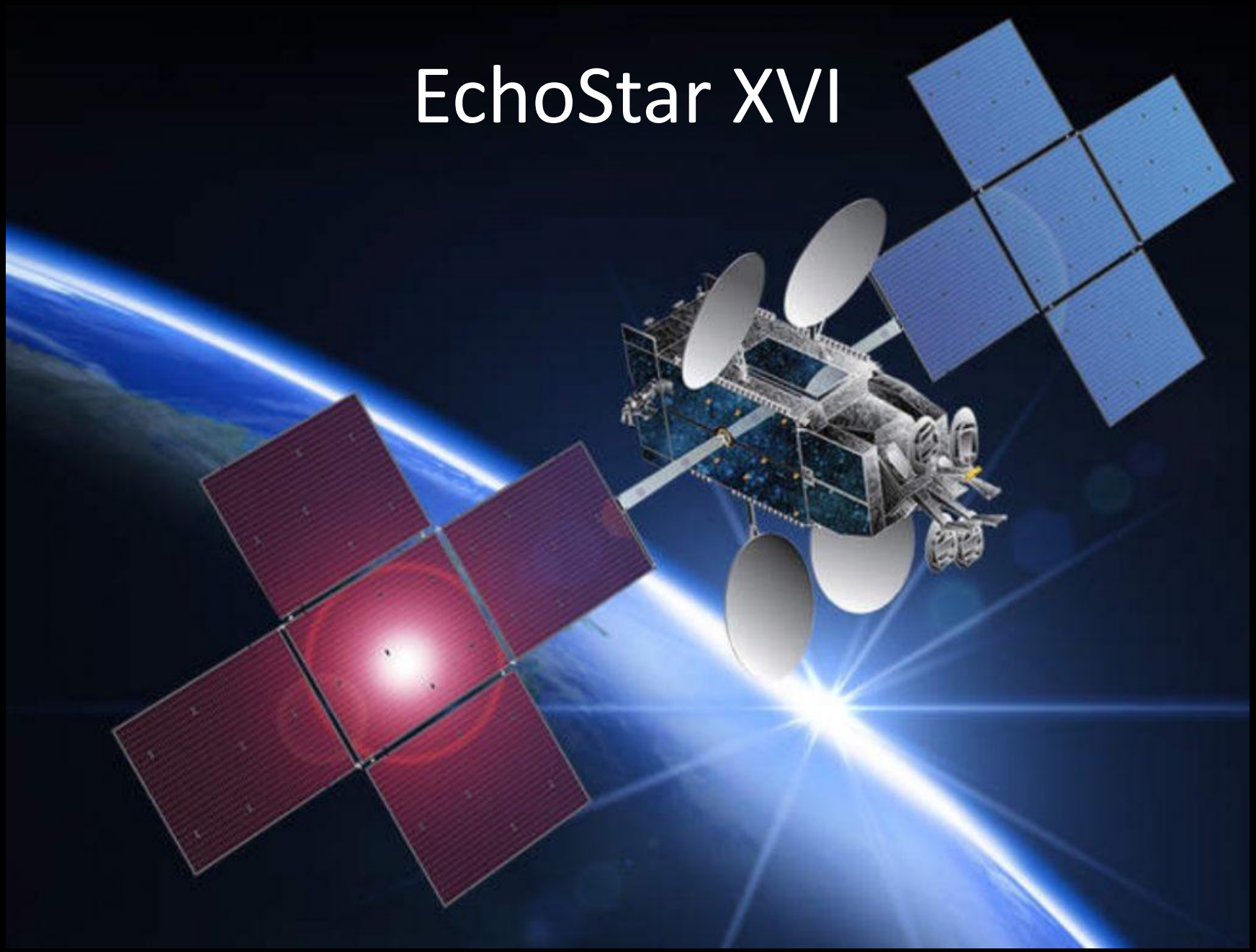
$13 \times 28 = 364$


305 m

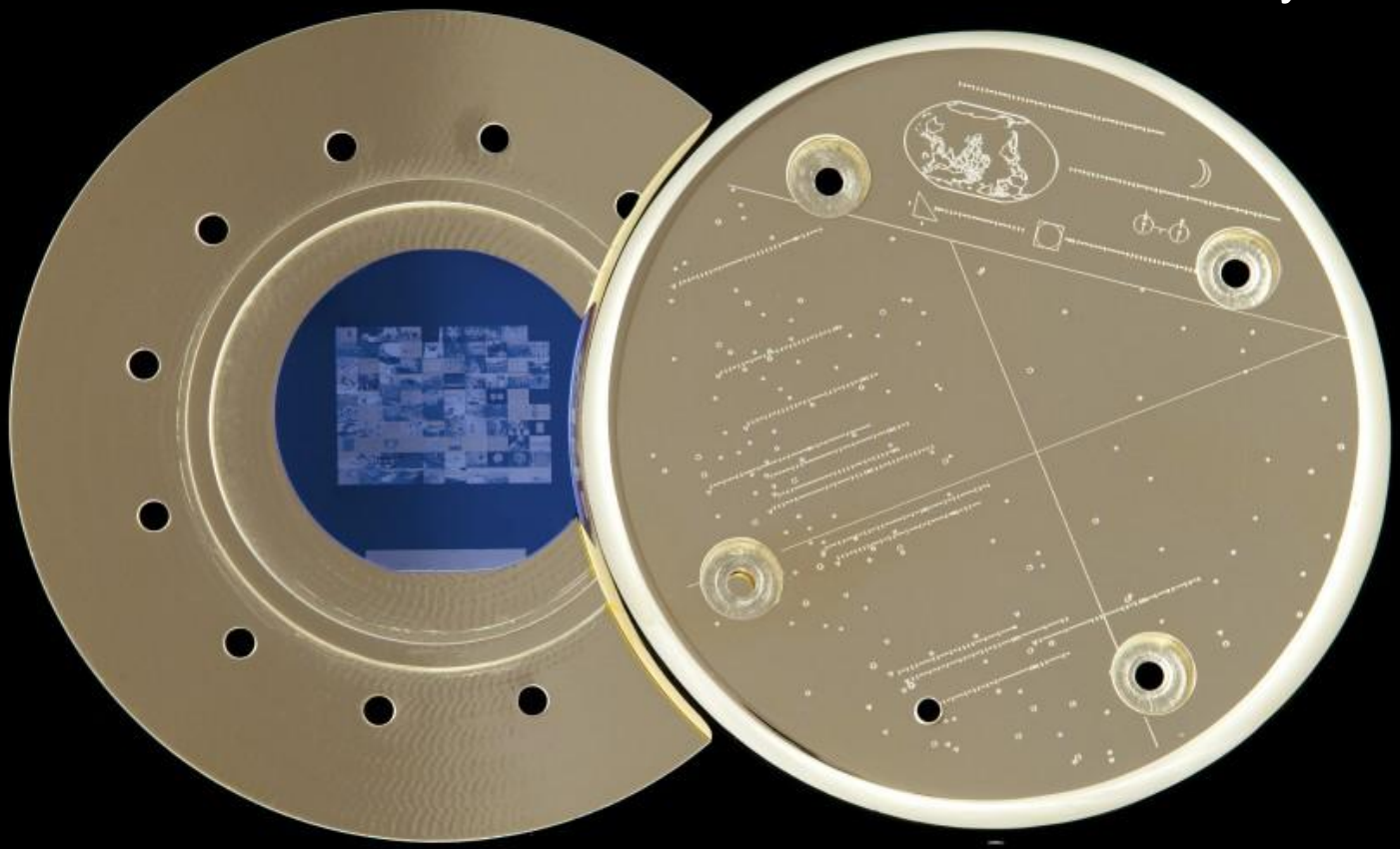
NASA

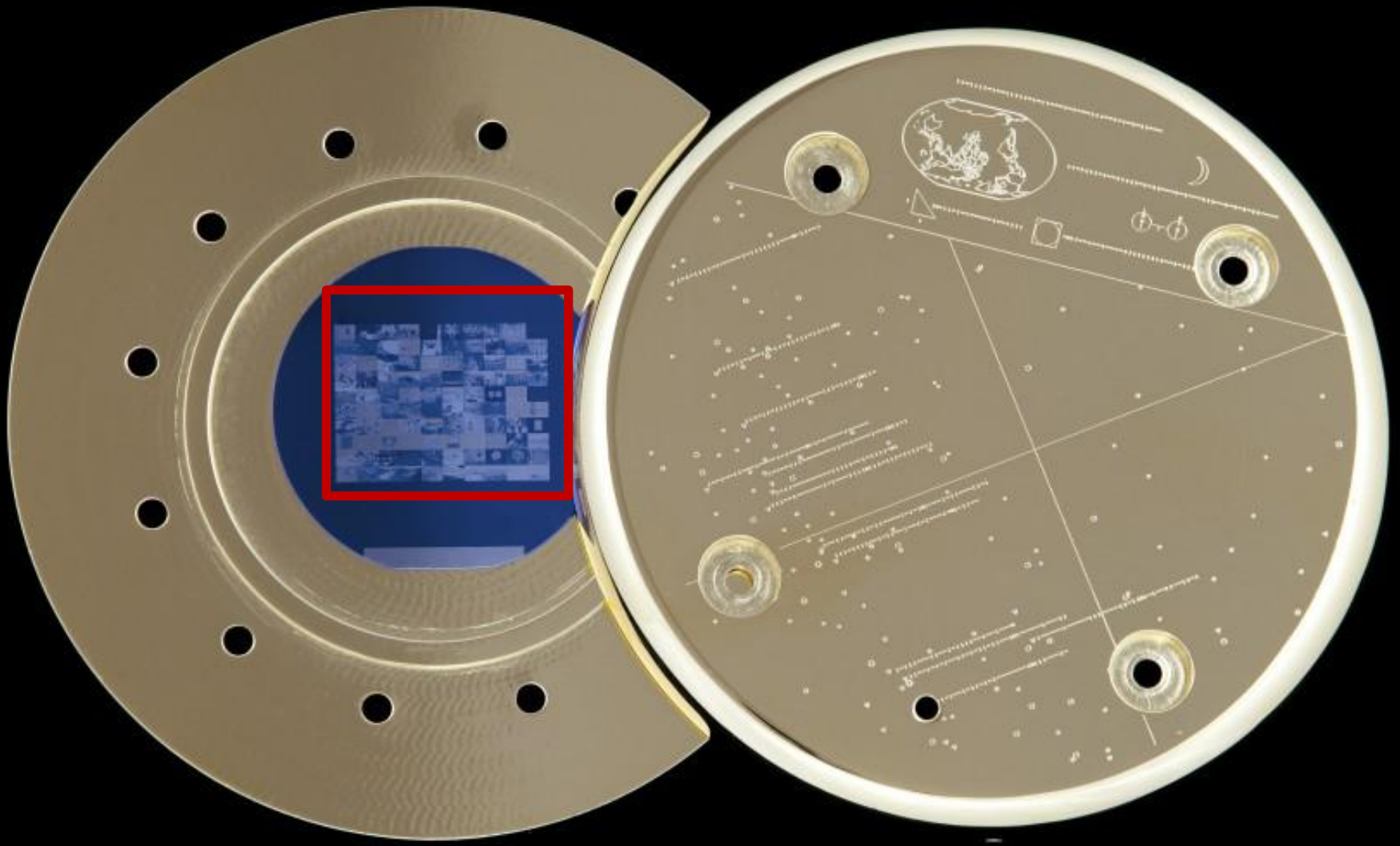

118
129
49
53
79
69
77

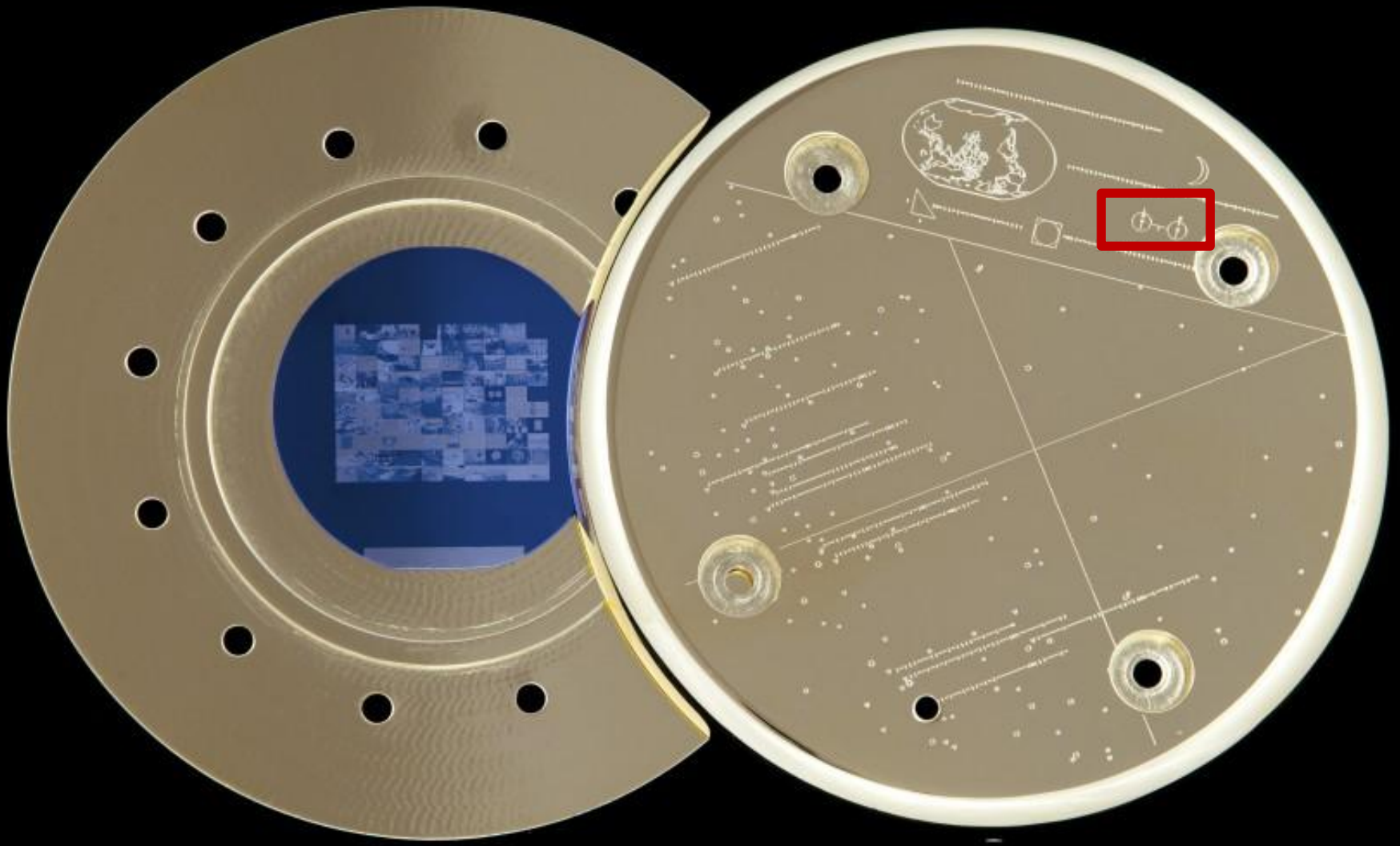
EchoStar XVI

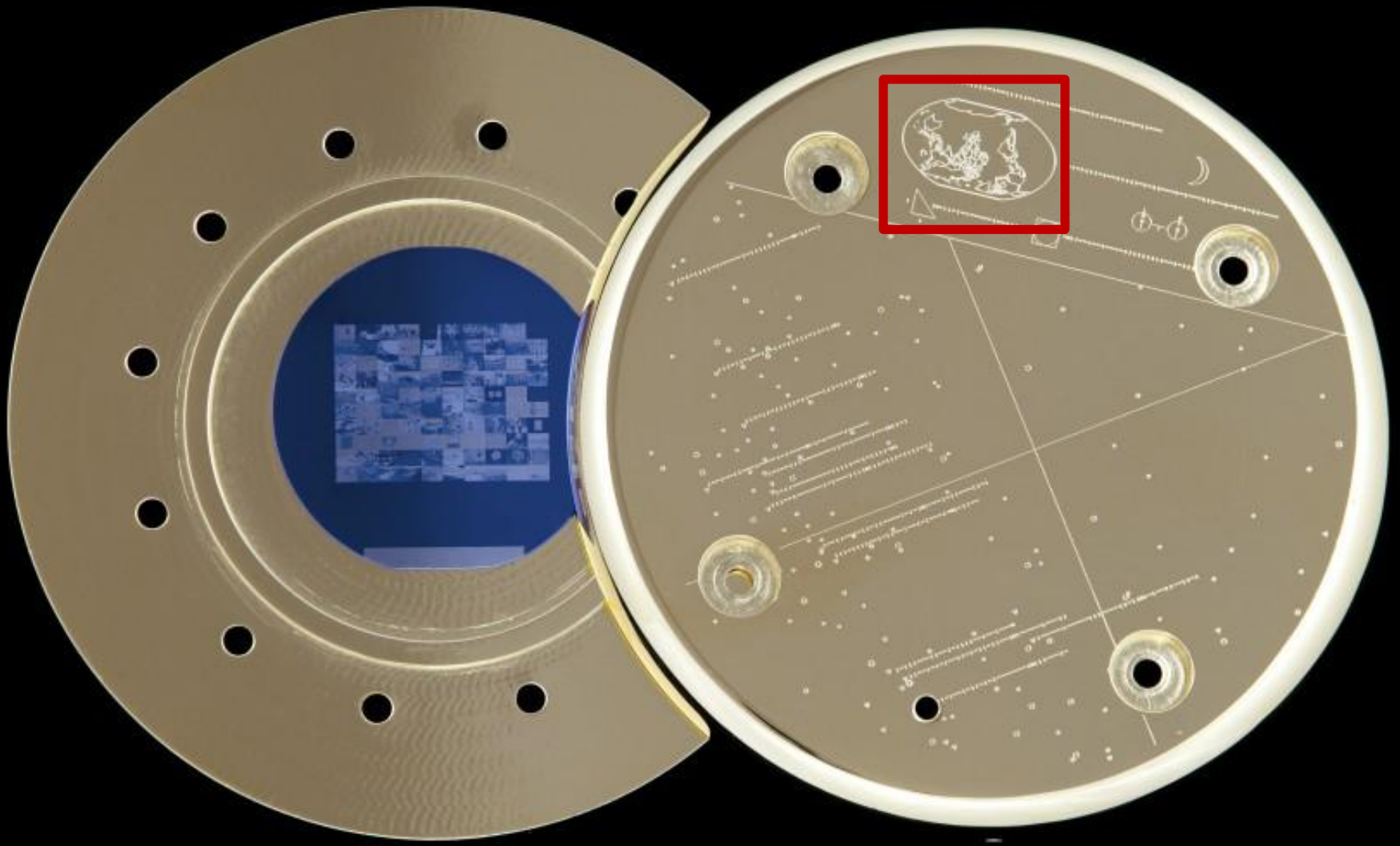


Размер:15 см
Материал: позолоченный алюминий с силиконовым диском
Зонд: EchoStar XVI
Запуск: 2012

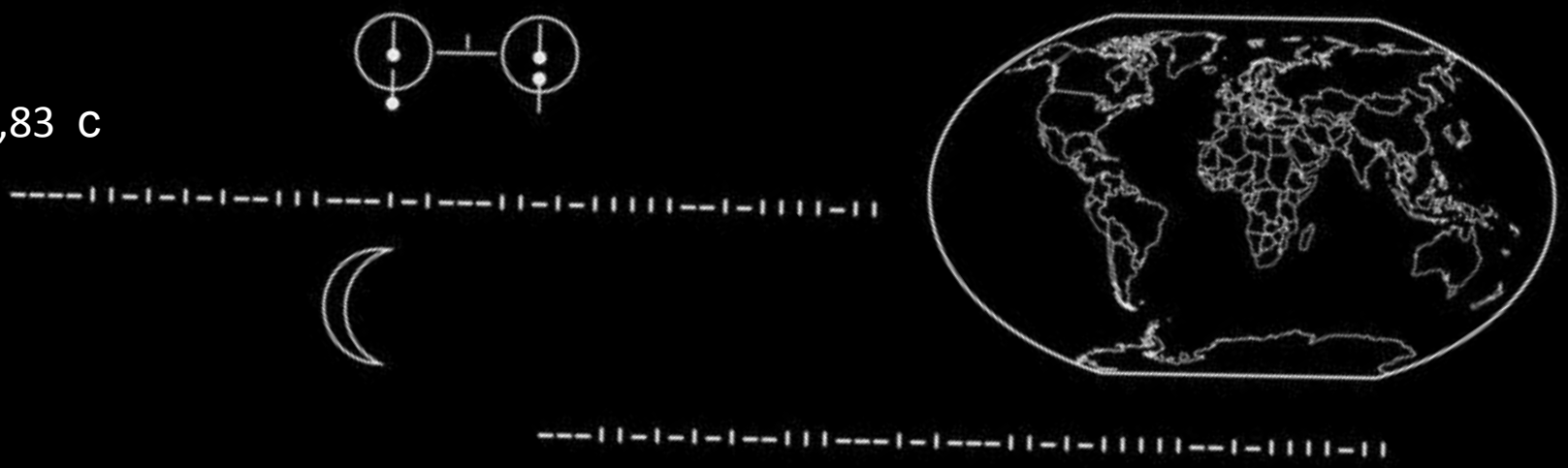




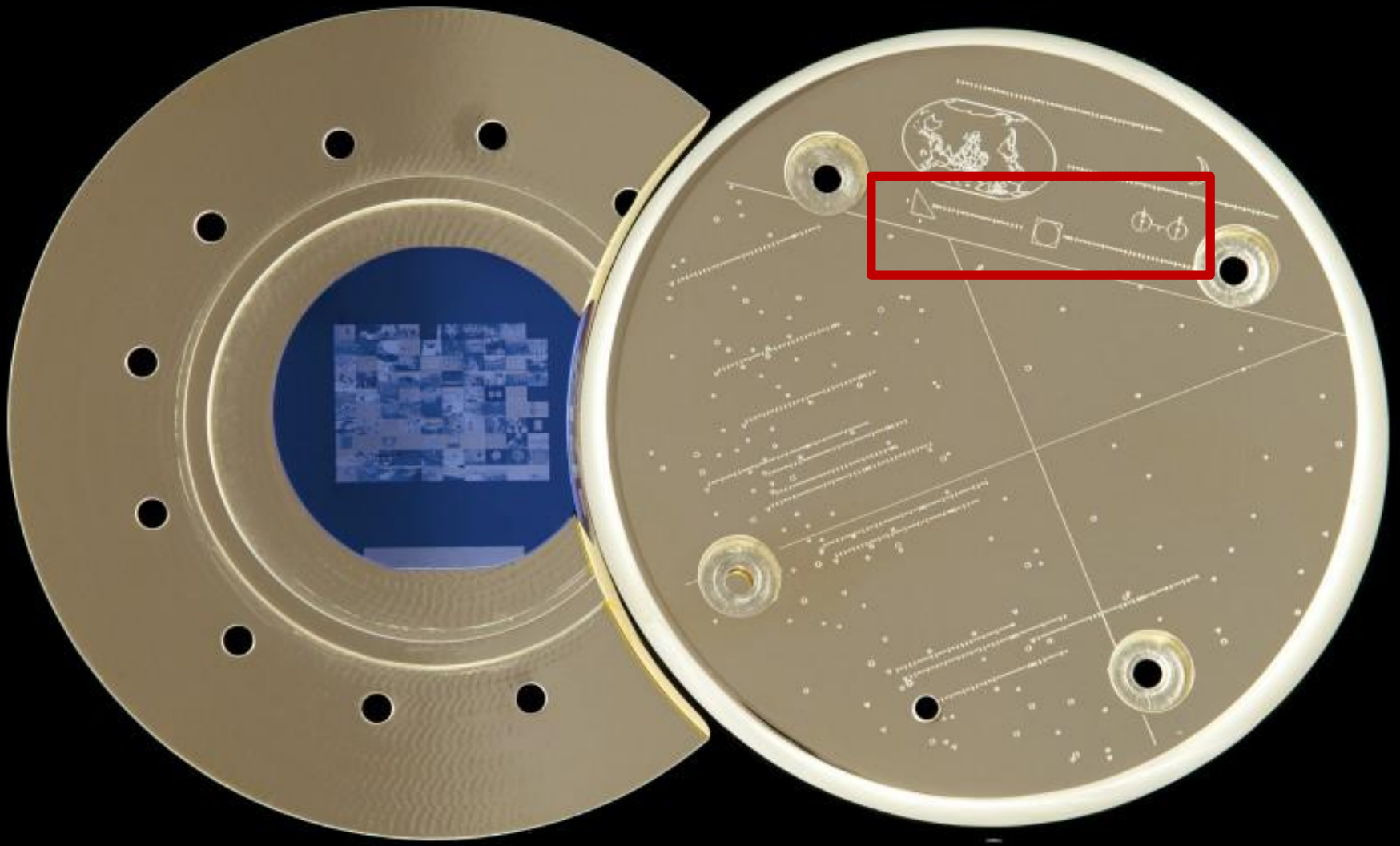


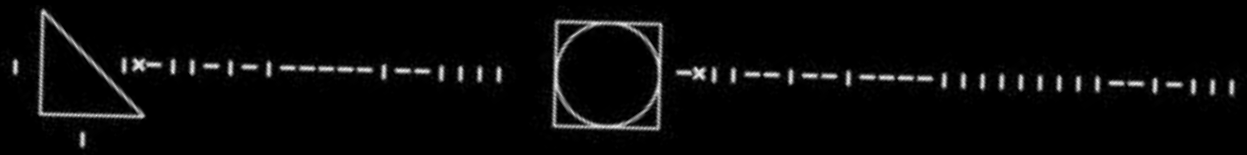


2629743,83 c



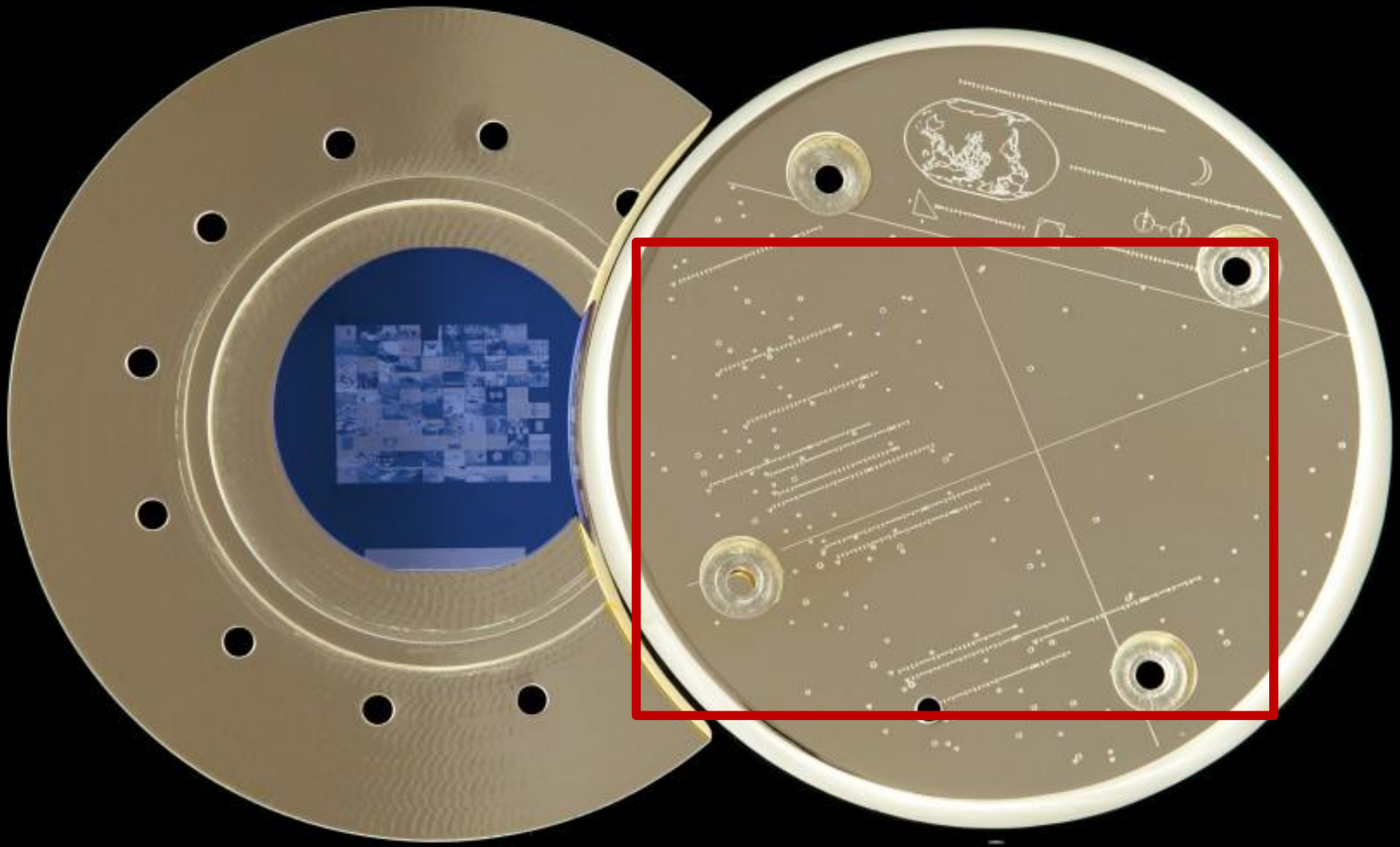
86164,1001 c

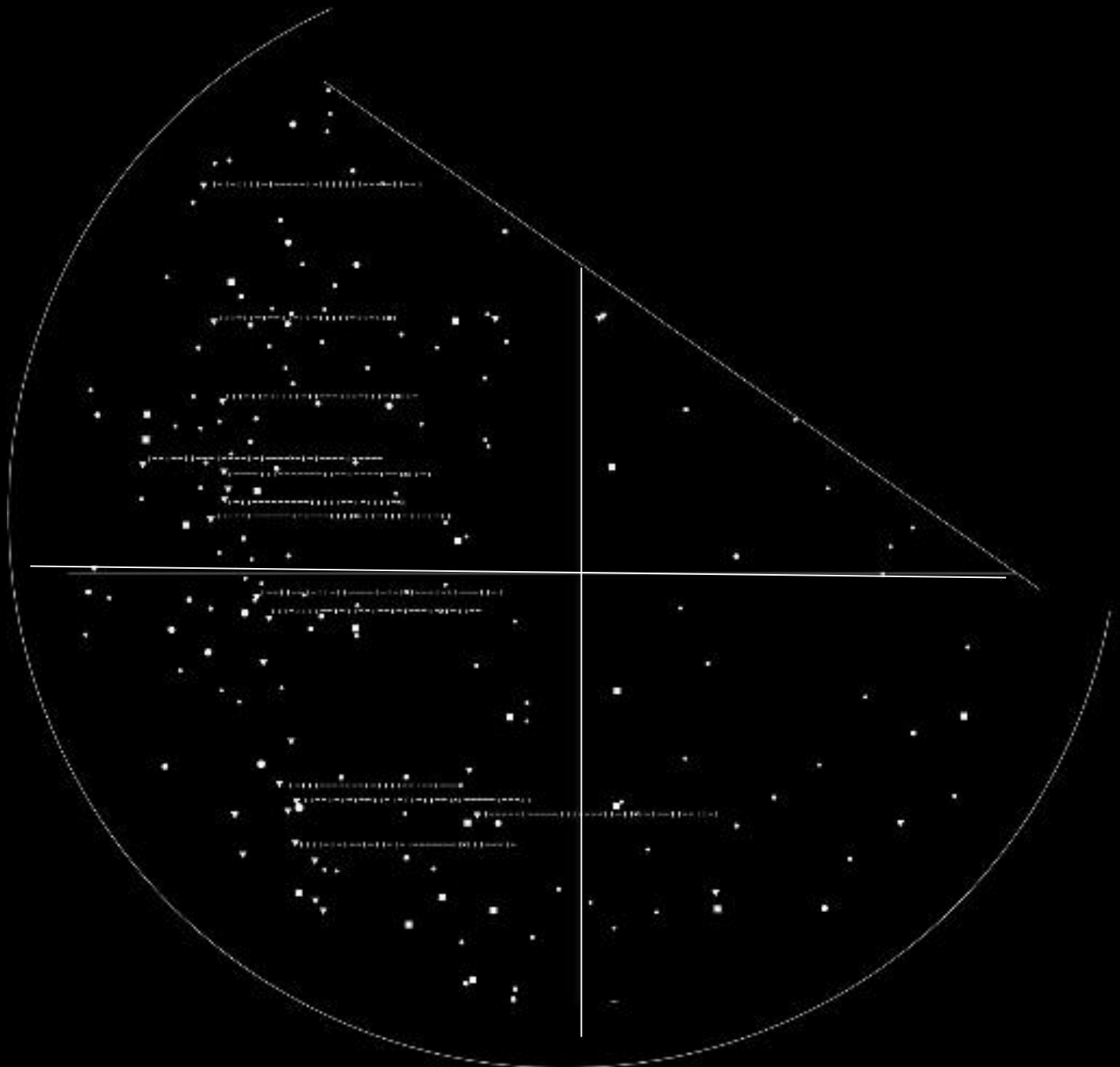


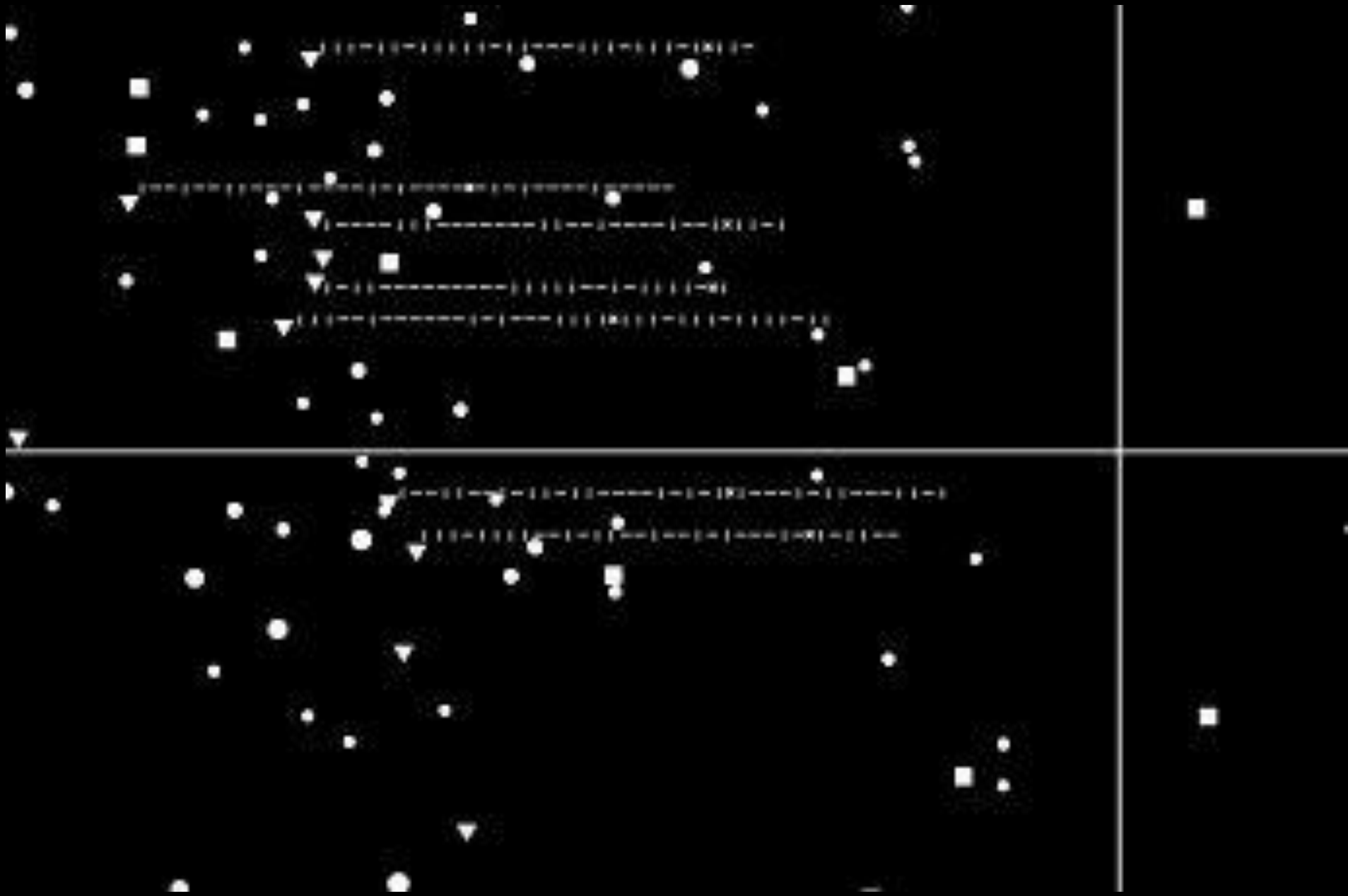


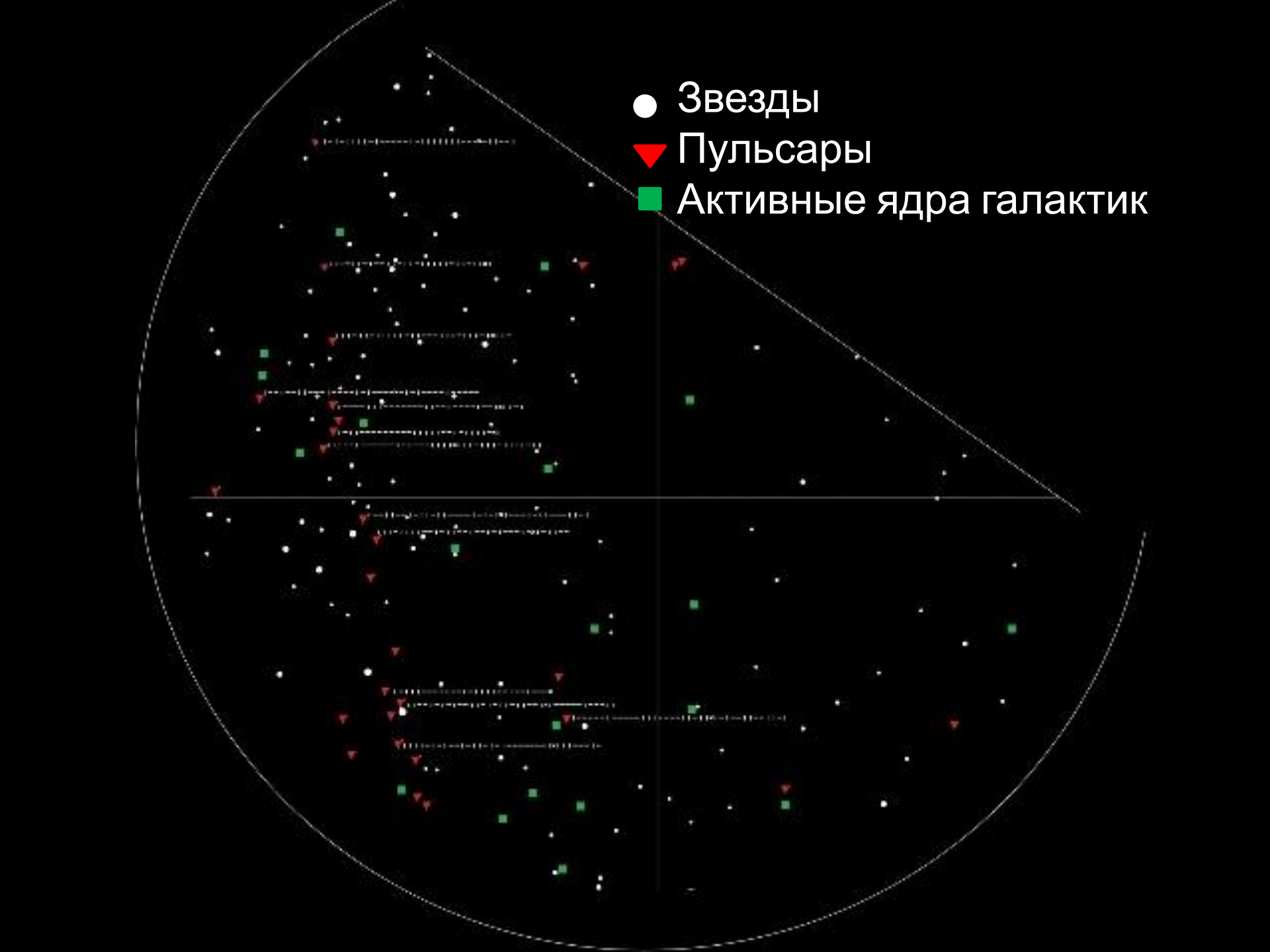
$\sqrt{2} \approx 1.,4.1.4.2.1.3$

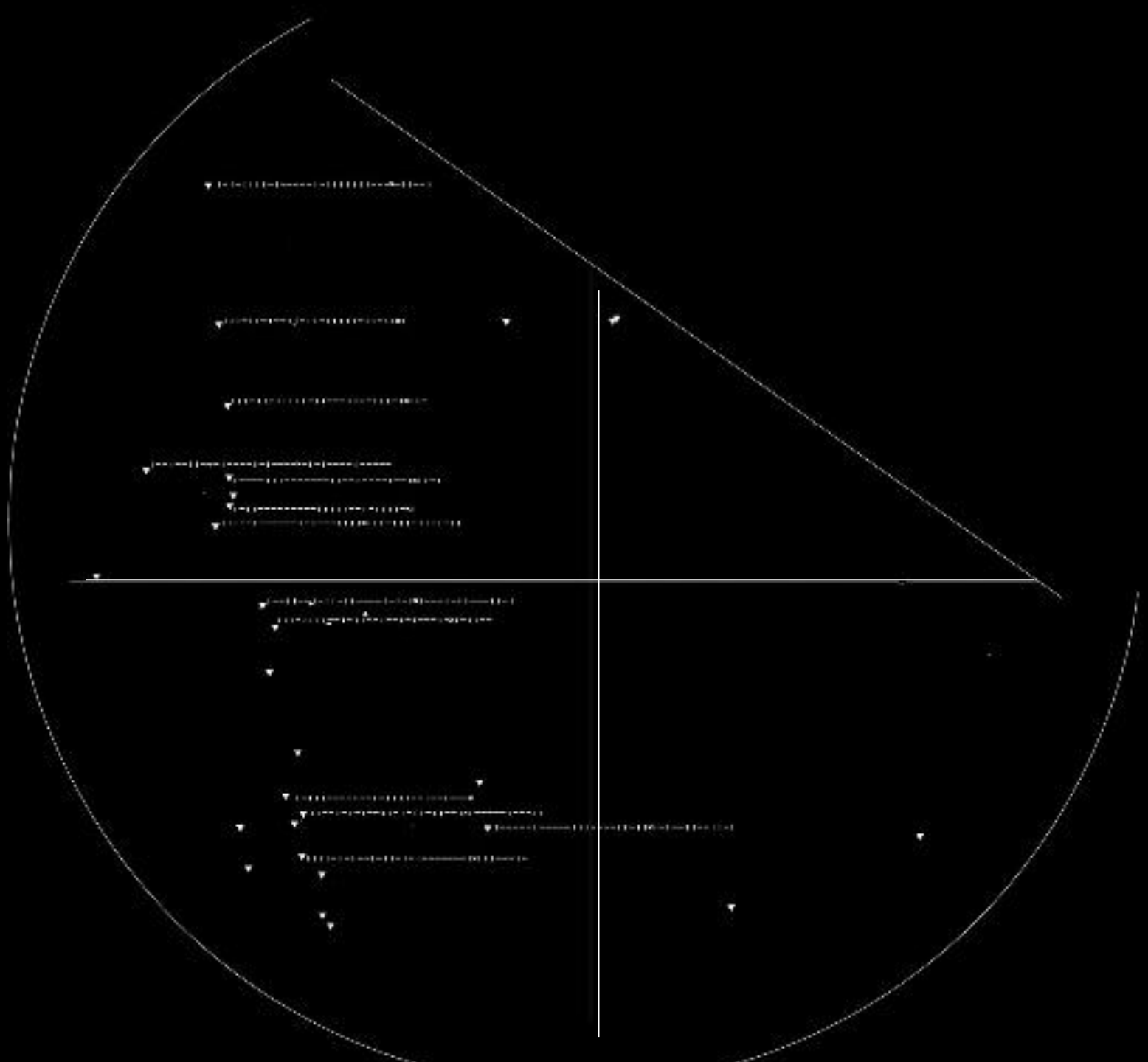
$\frac{\pi}{4} \approx 0.7.8.5.3.9.8$

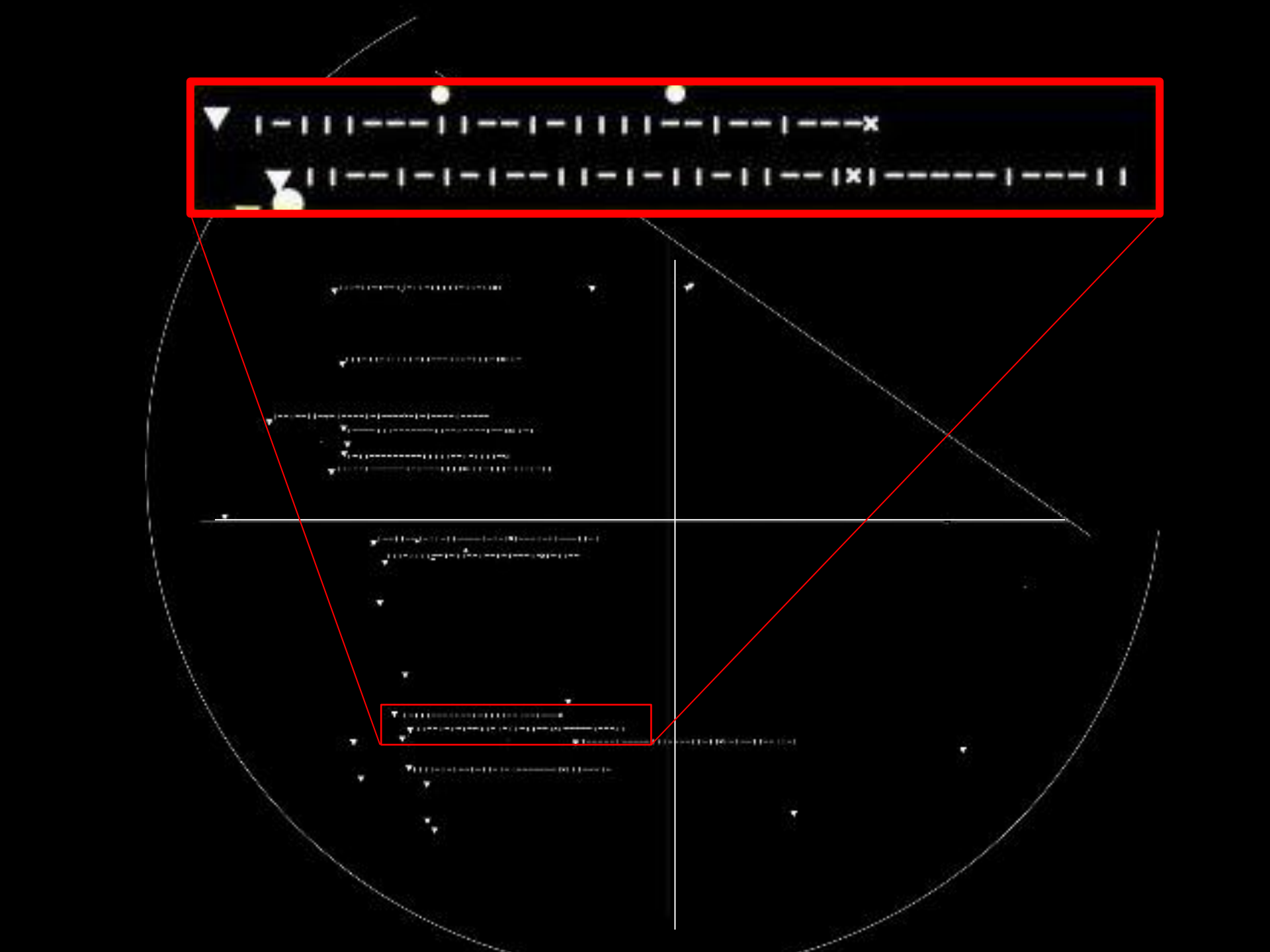


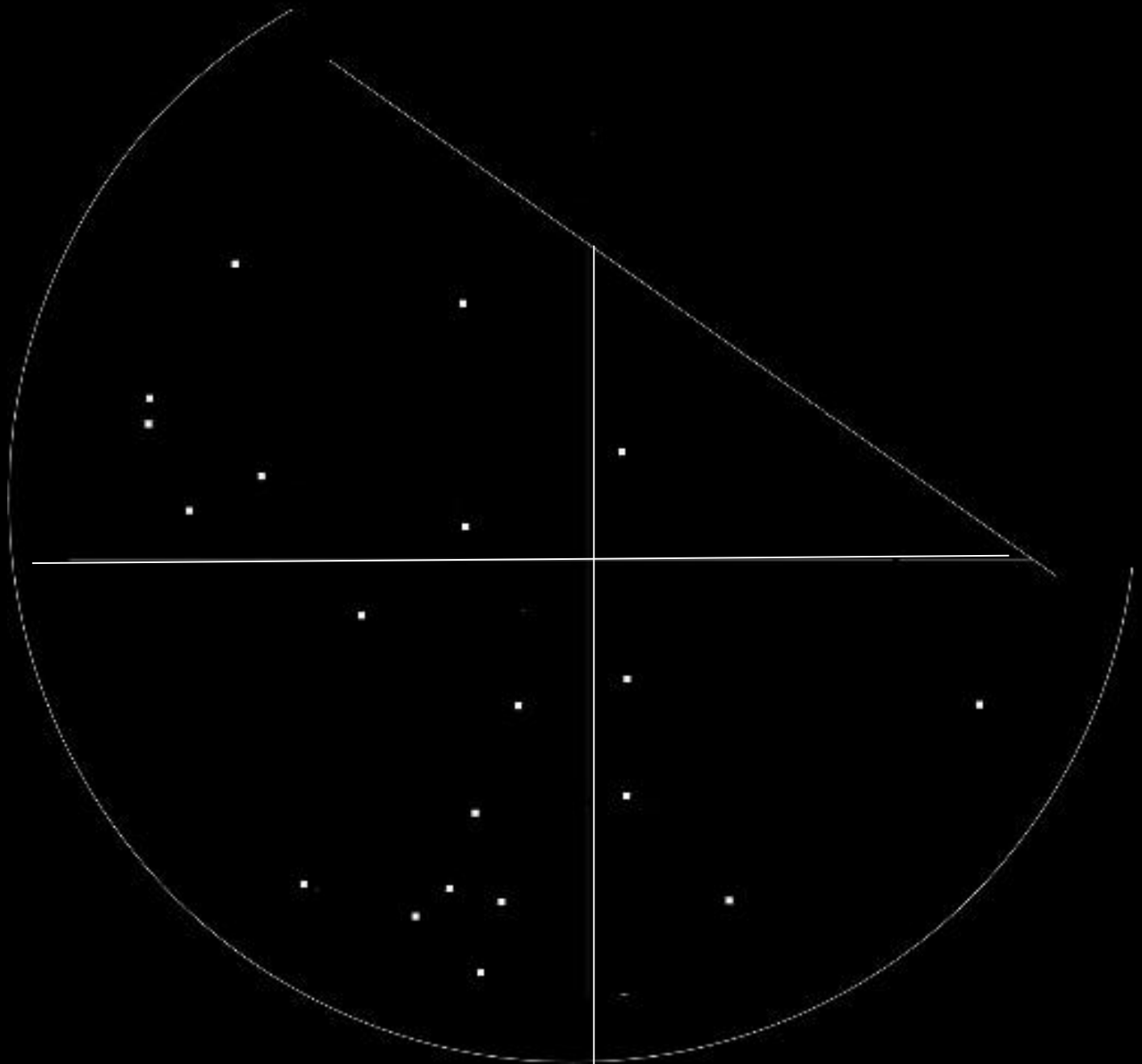


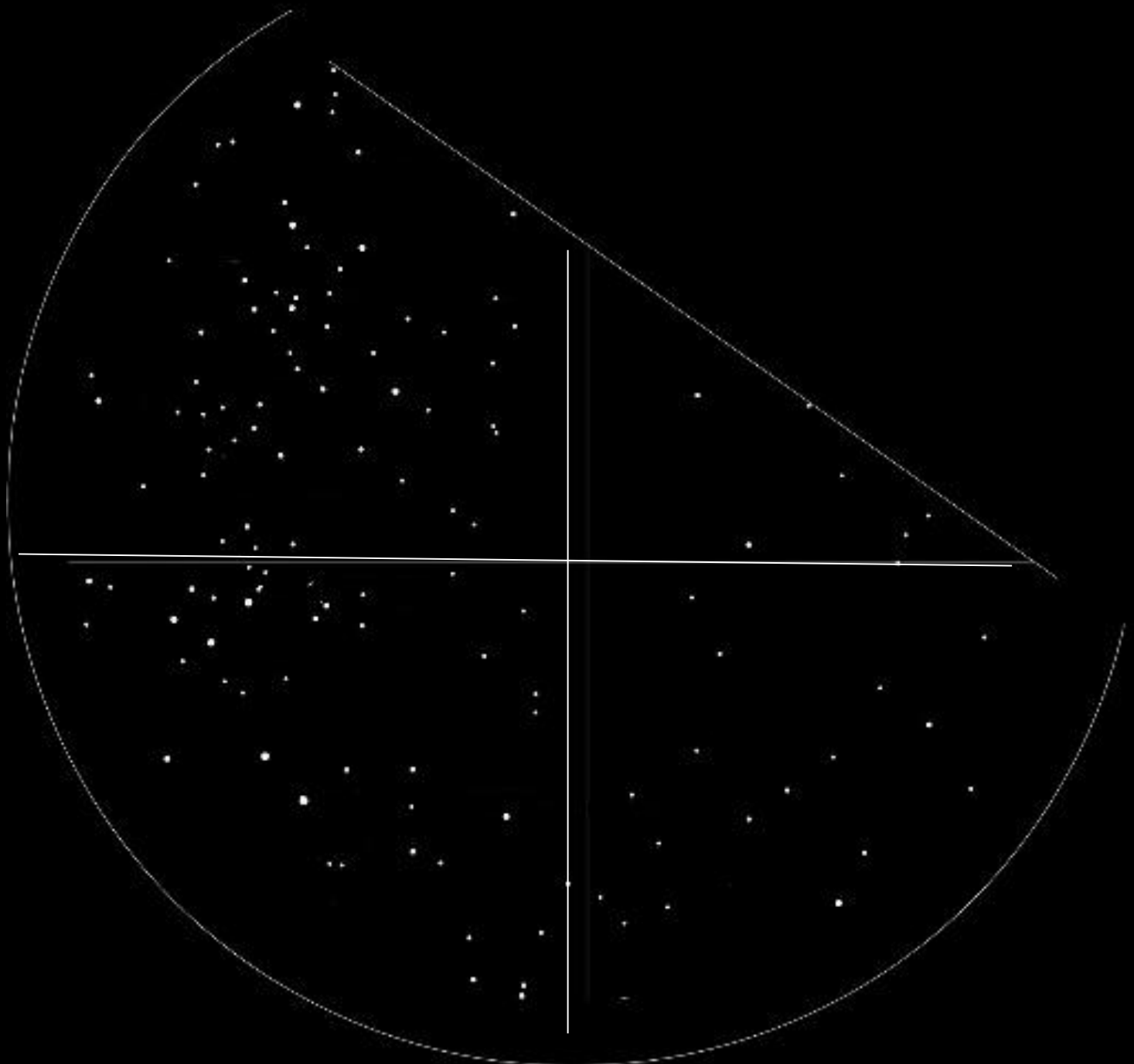



Звезды
Пульсары
Активные ядра галактик

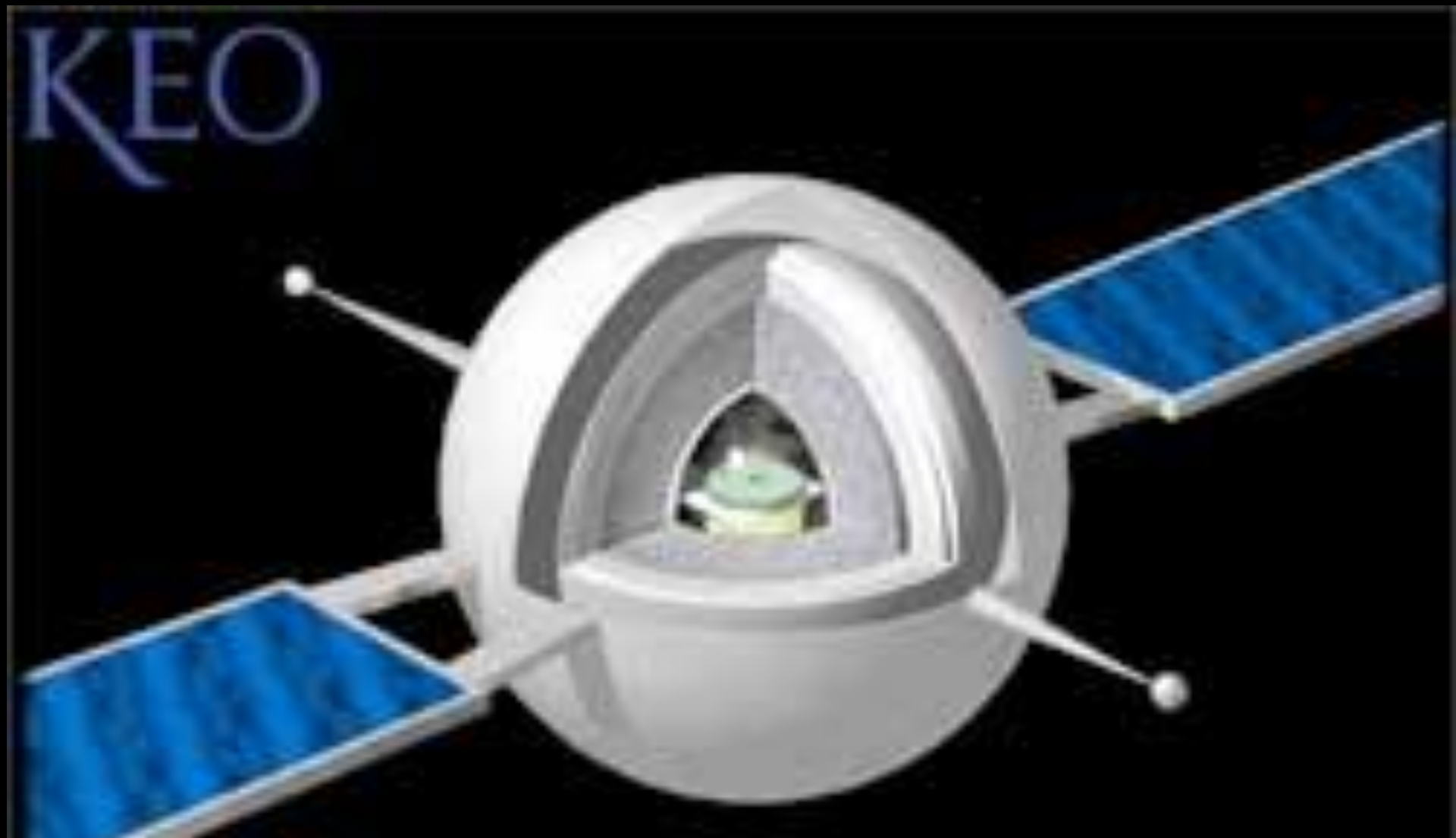




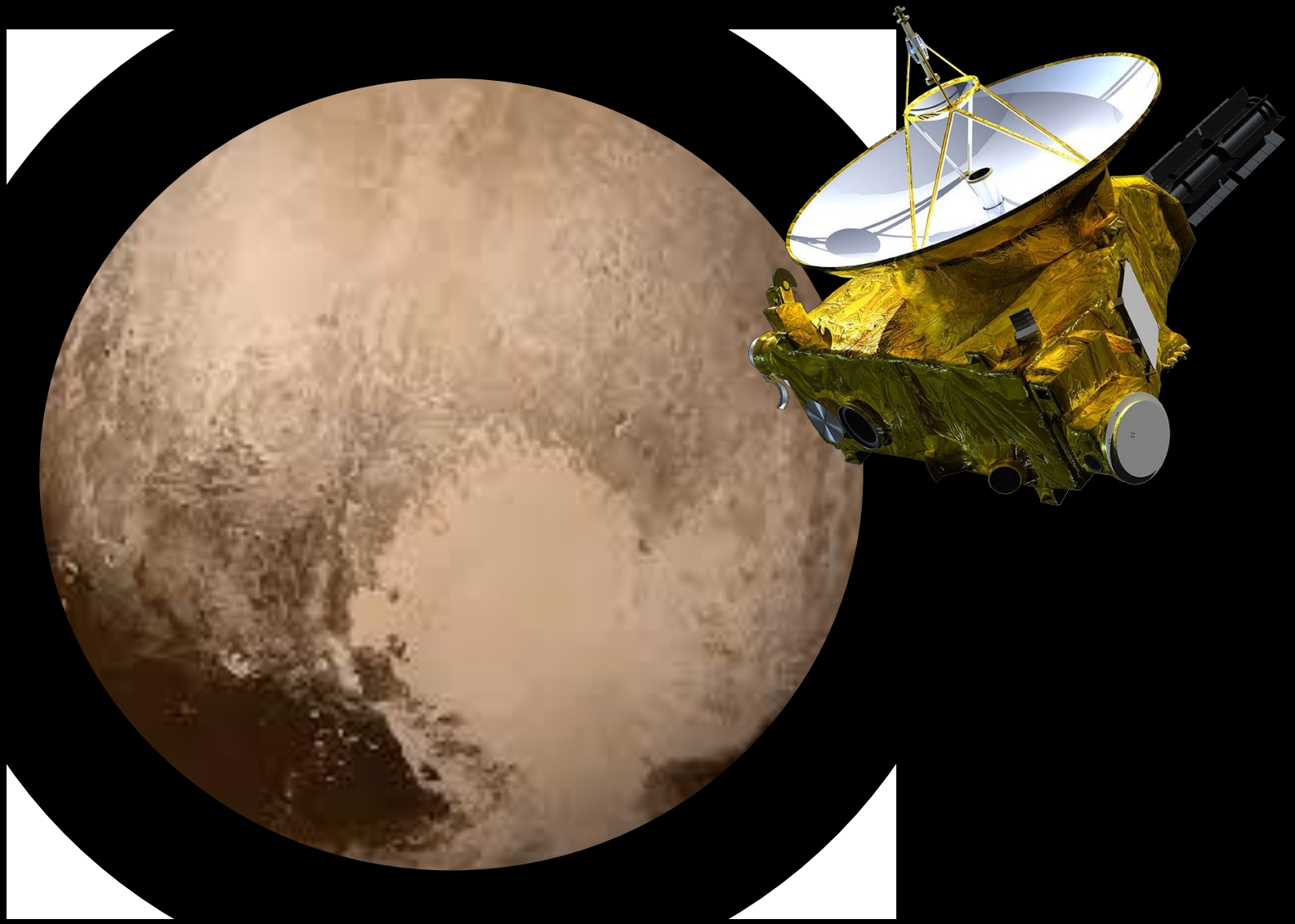




KEO



New Horizons



Спасибо за внимание

Ссылки

http://www.kurzweilai.net/the-last-pictures-launches-with-echostar-xvi-satellite

https://iopscience.iop.org/article/10.1088/0004-6256/144/4/118

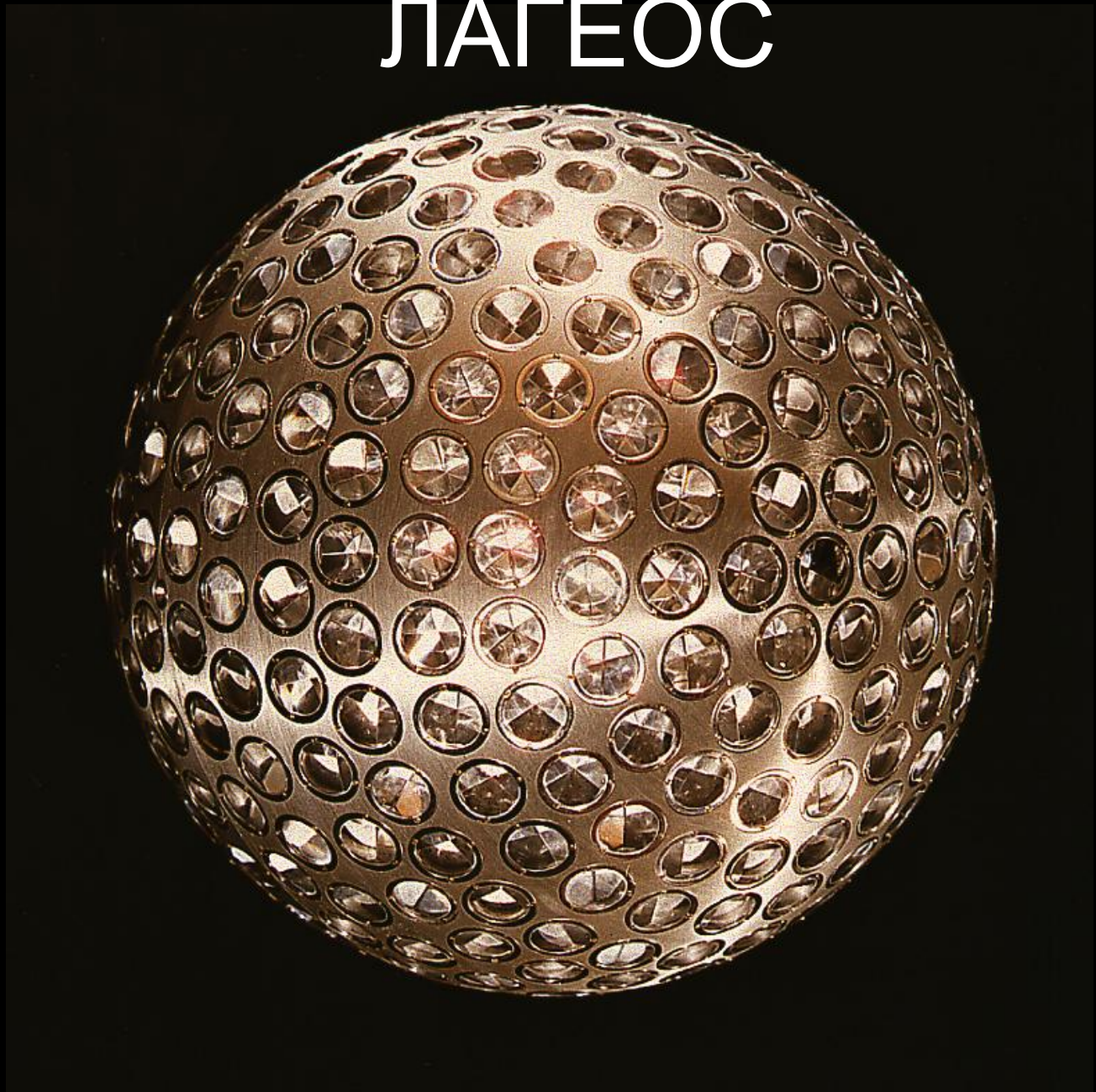
http://www.keo.org/uk/pages/aventure.html

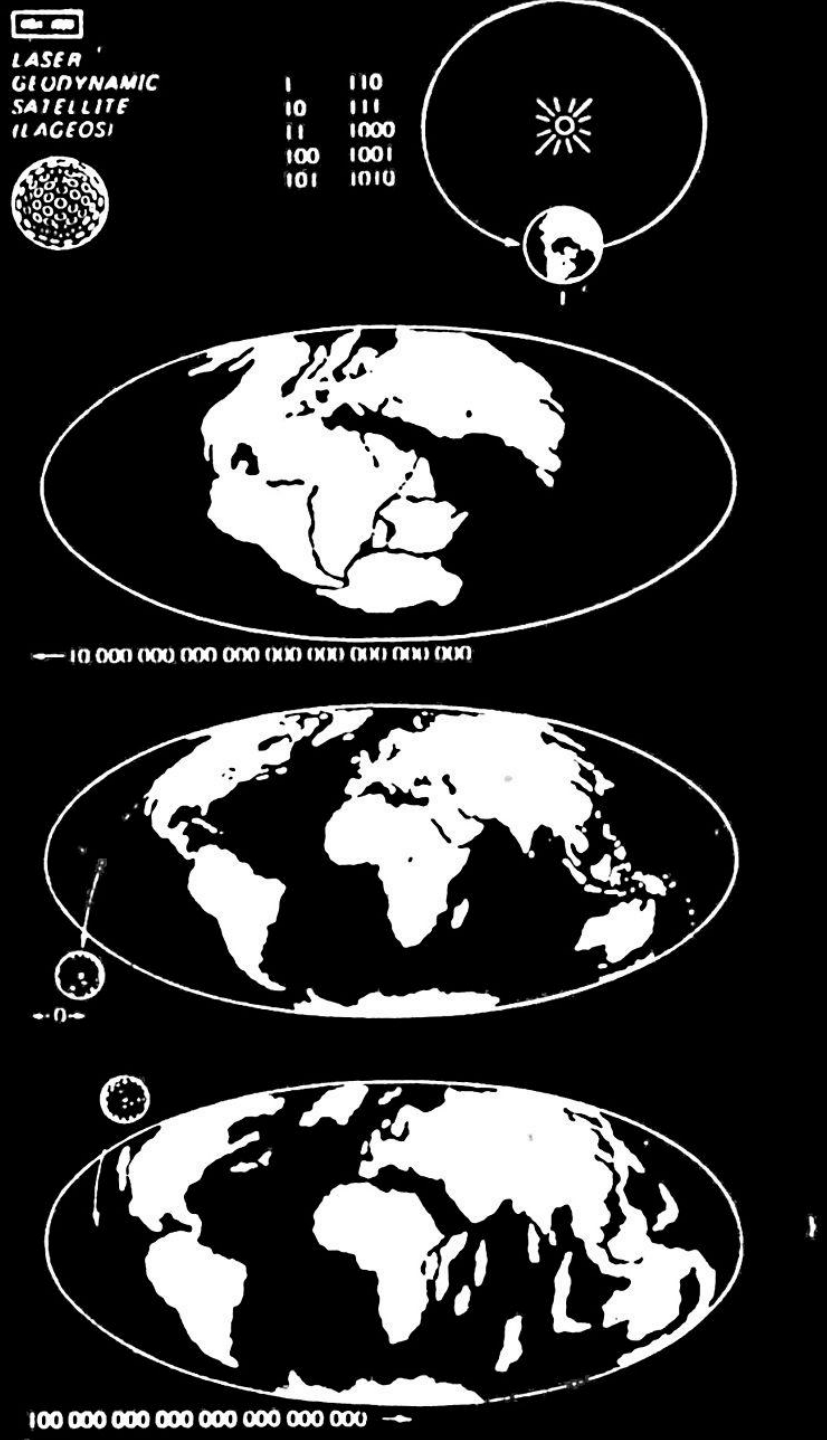
http://rosettaproject.org/blog/02008/aug/20/very-long-term-backup/

http://www.bigear.org/CSMO/HTML/CS03/cs03all.htm#puzzle


Polaris
Deneb
Vega

ЛАГЕОС

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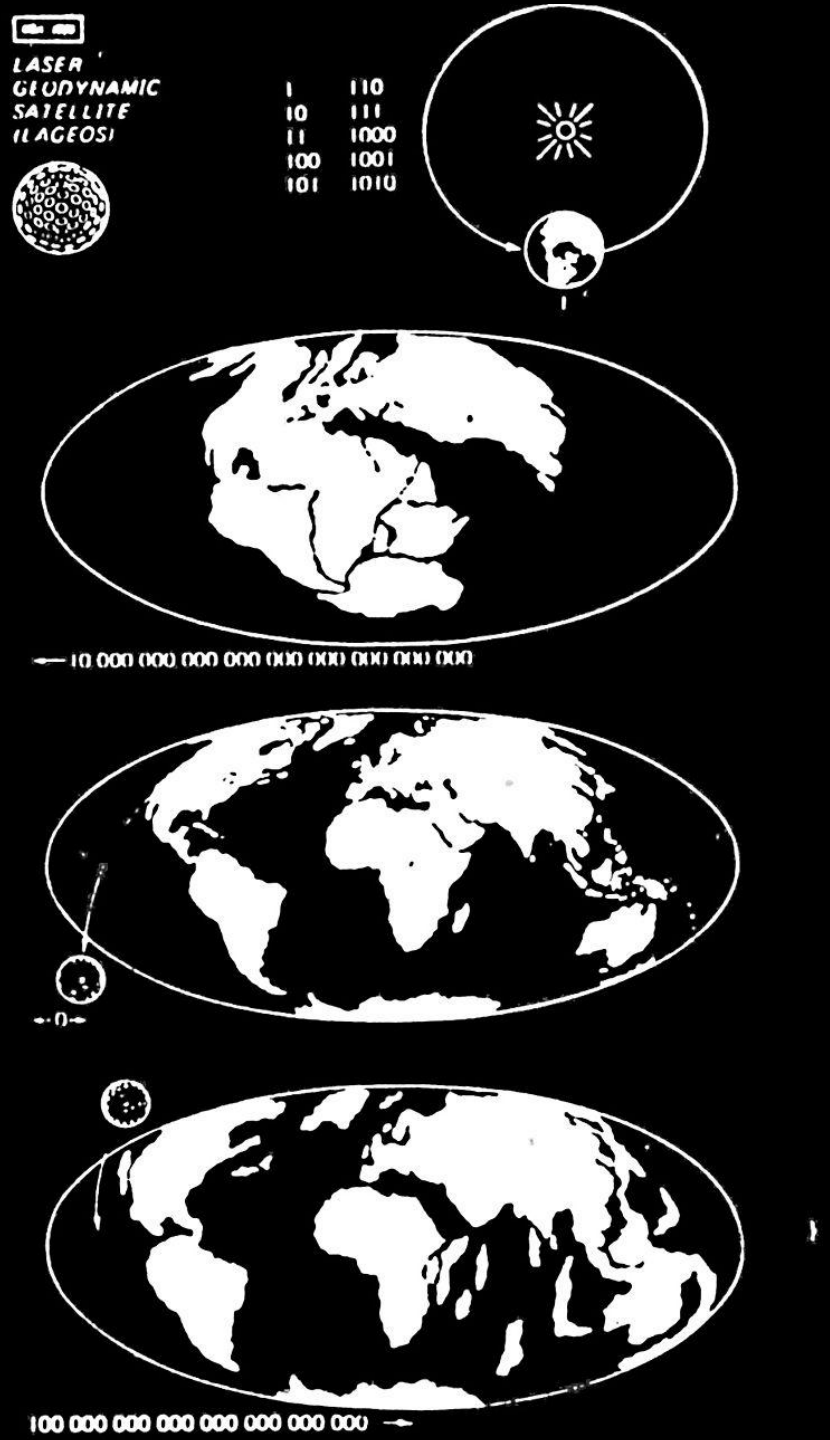

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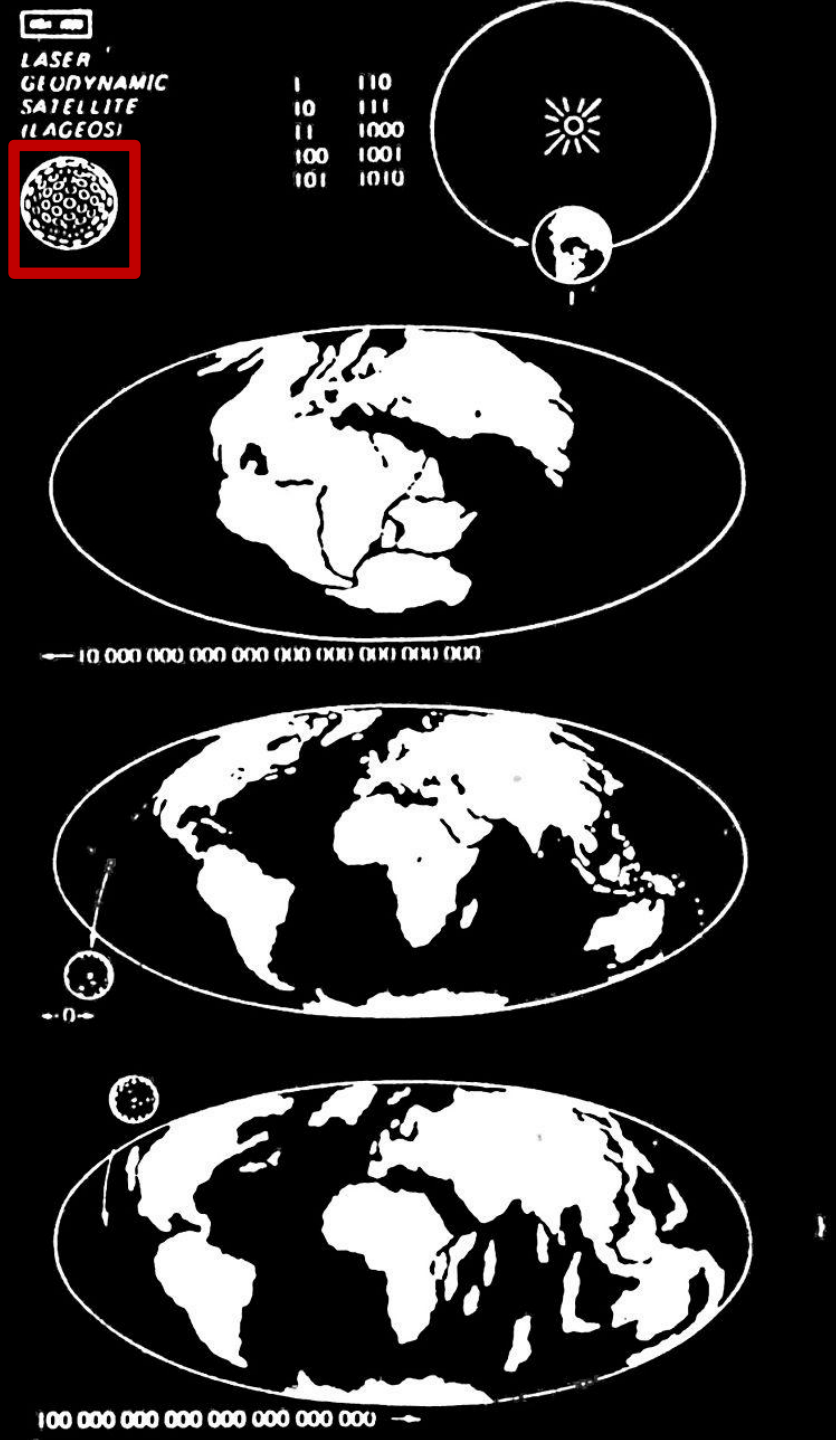
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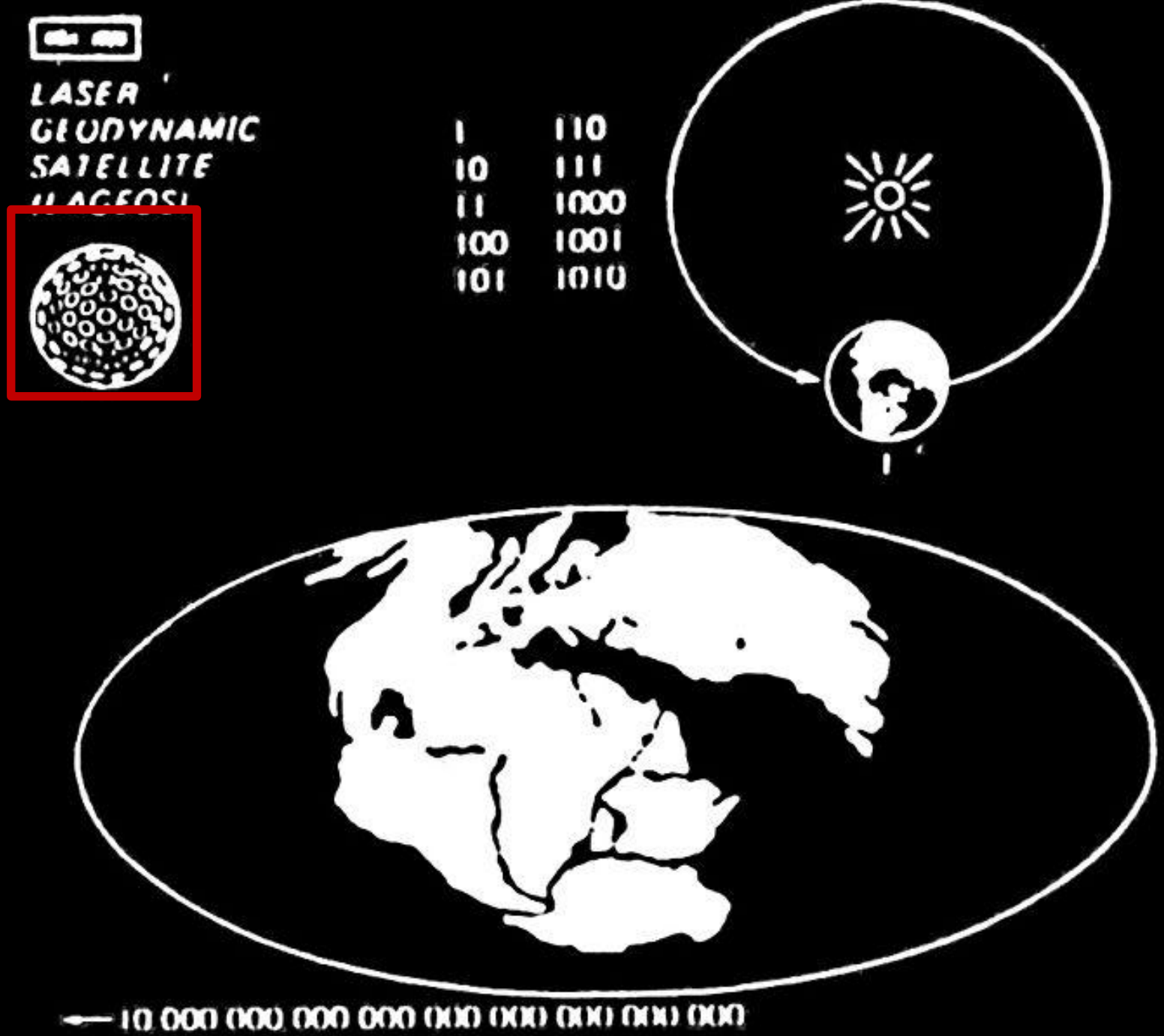
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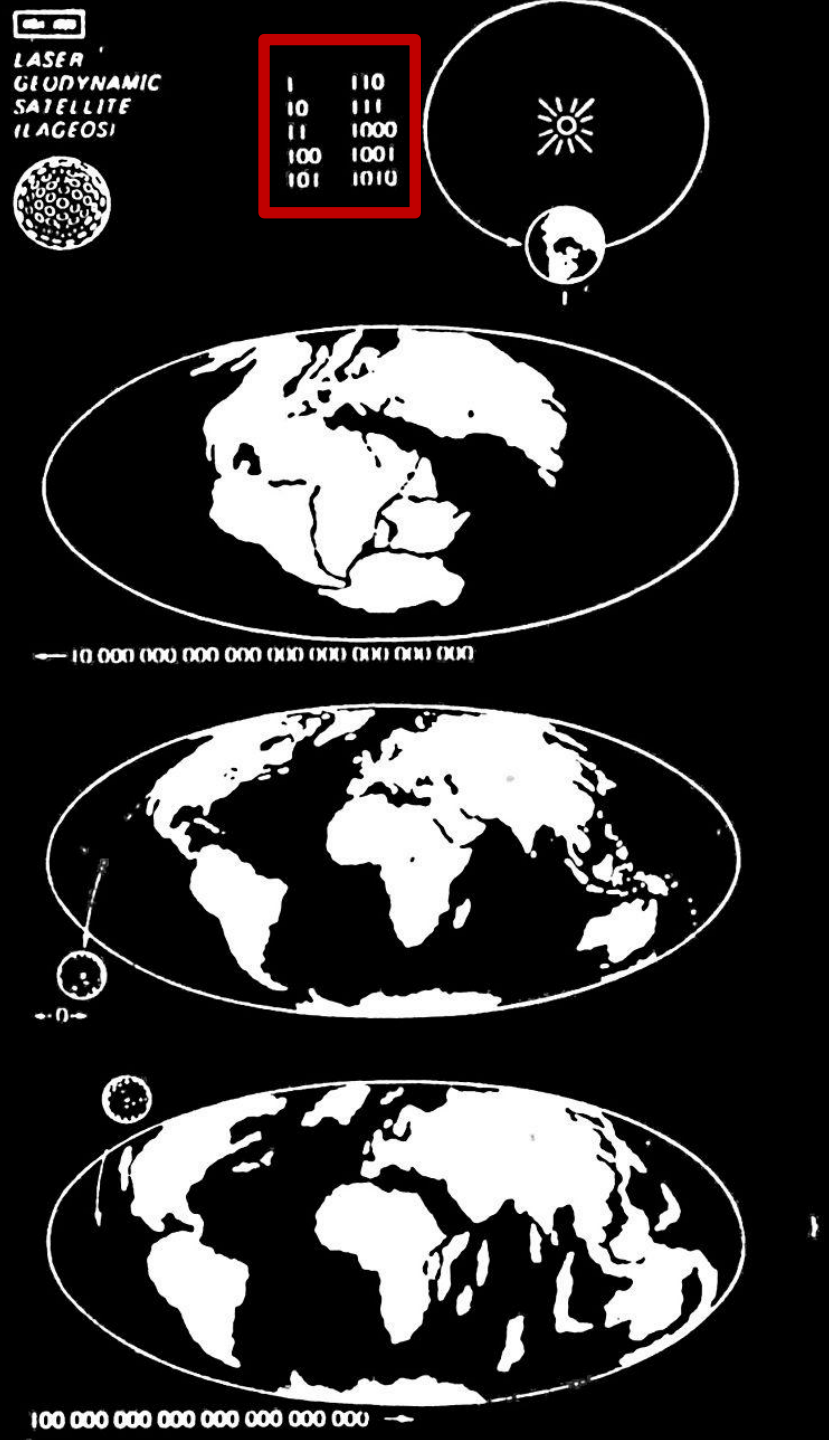
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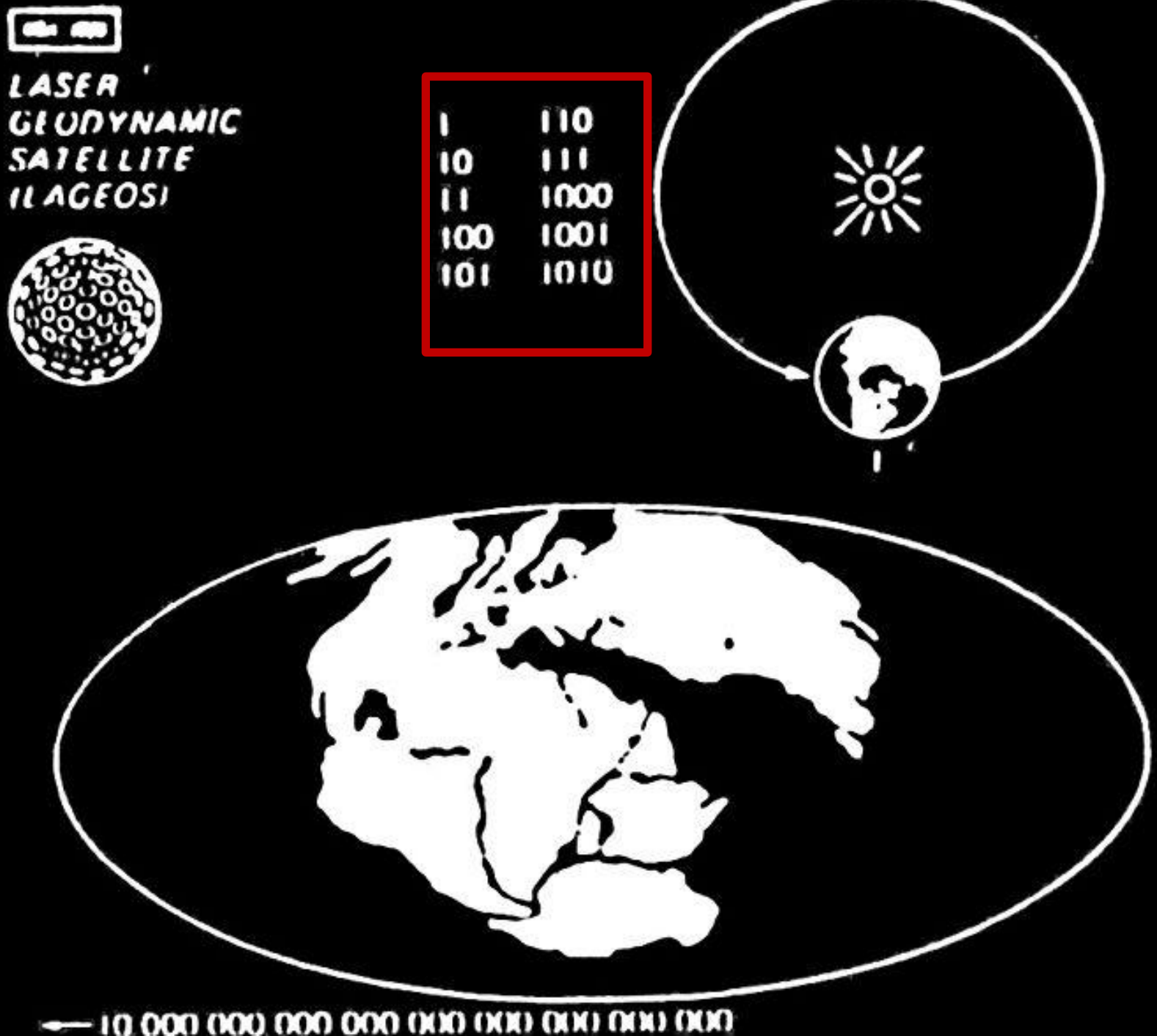
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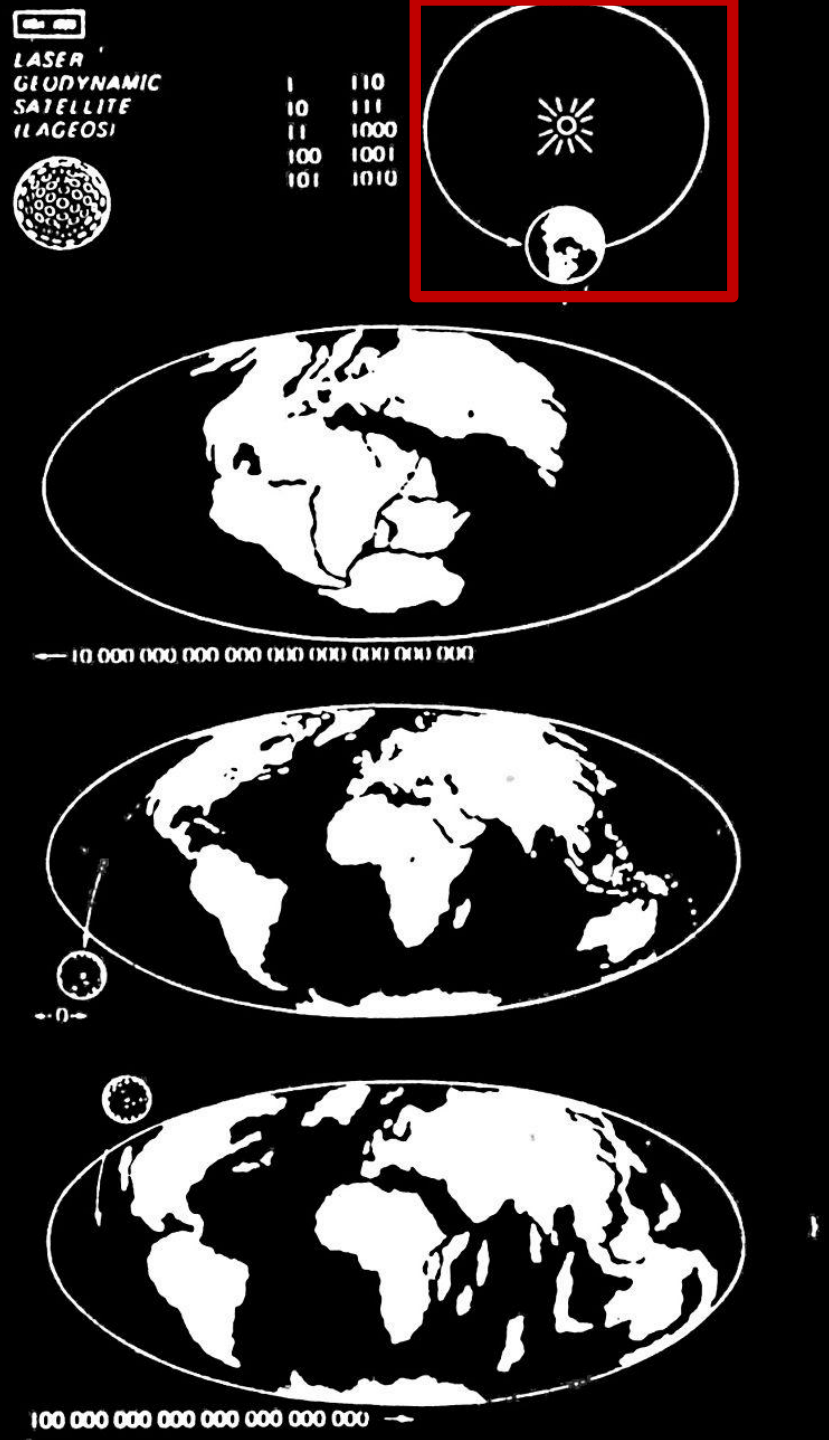
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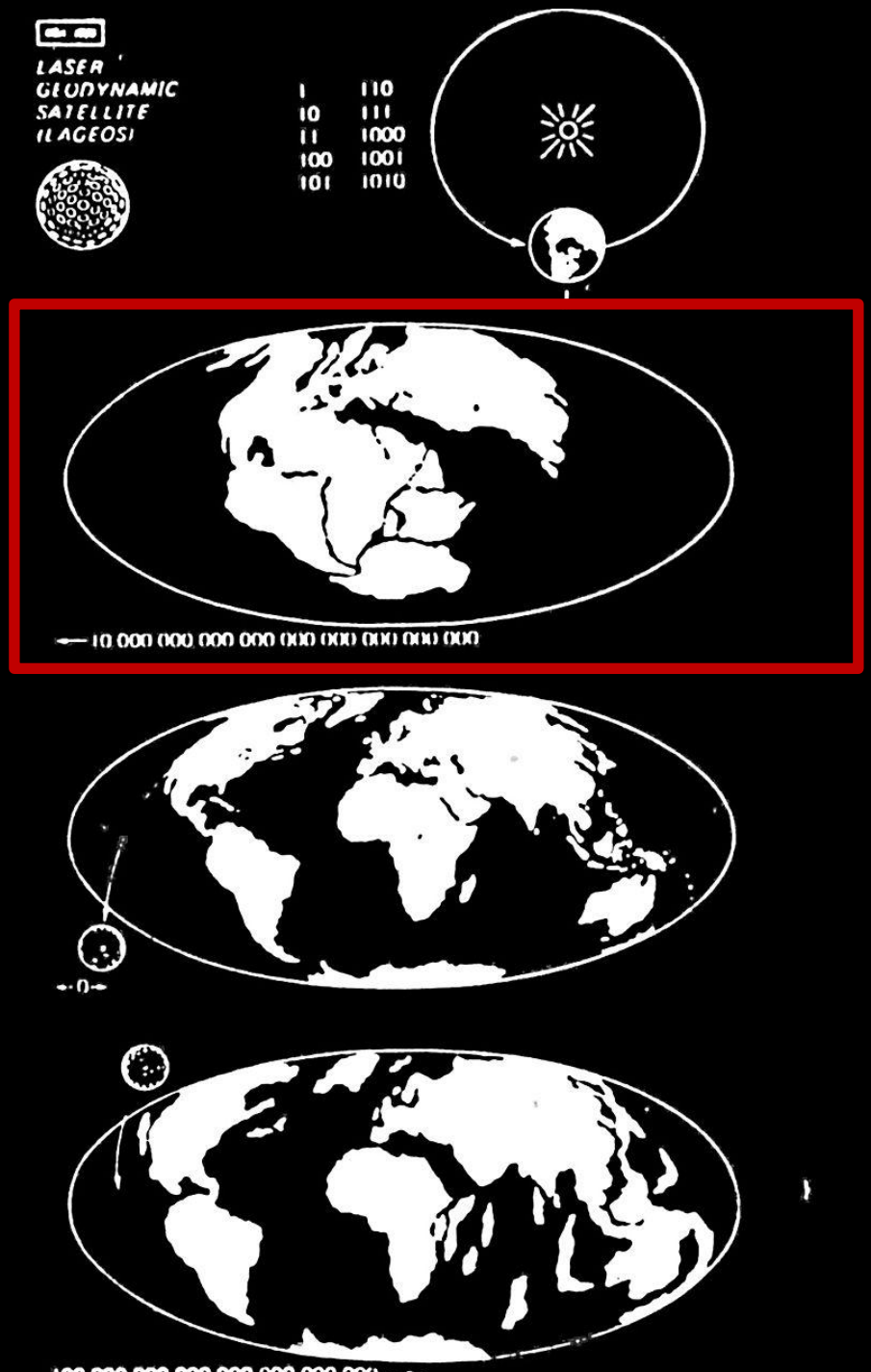
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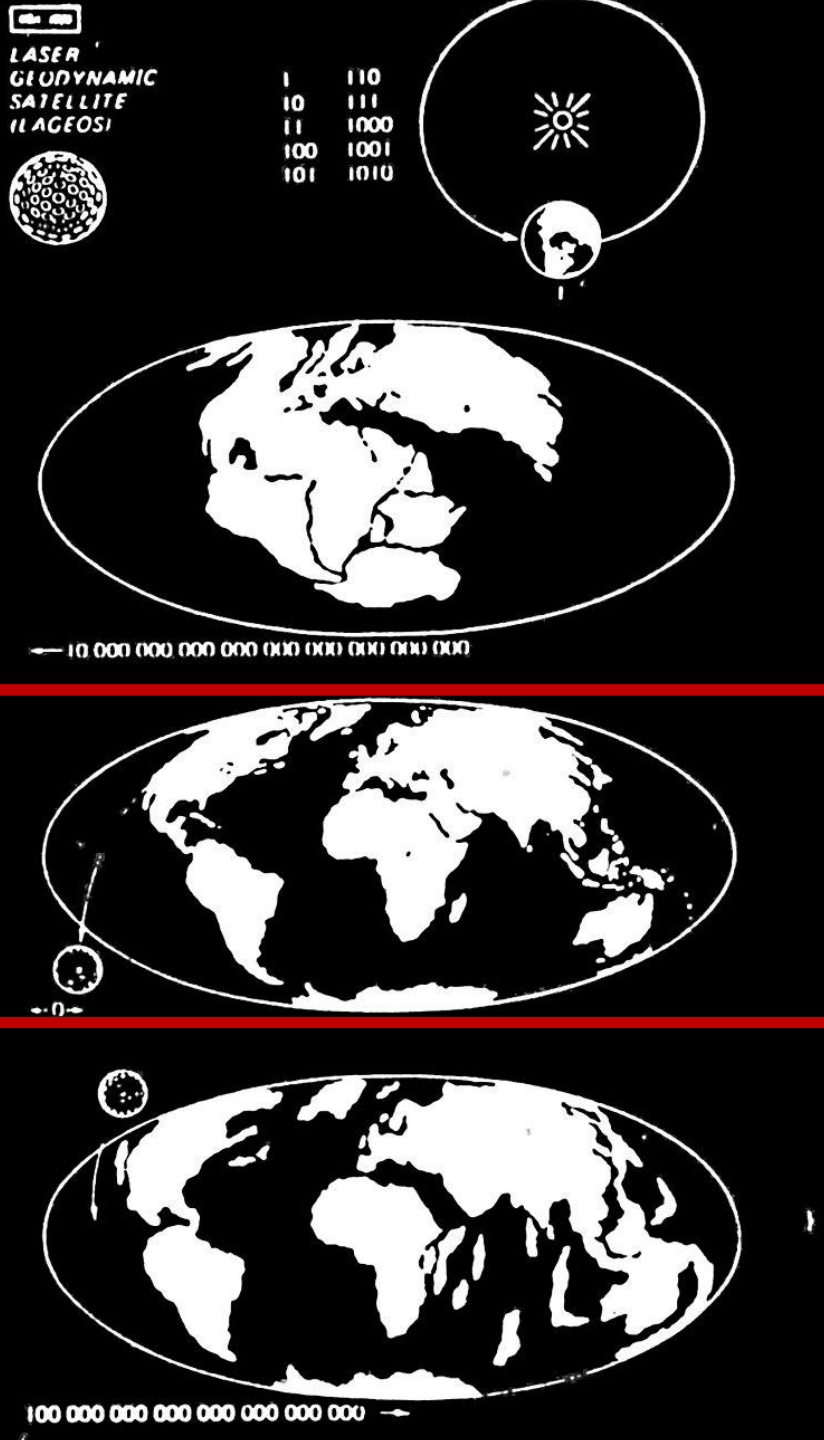
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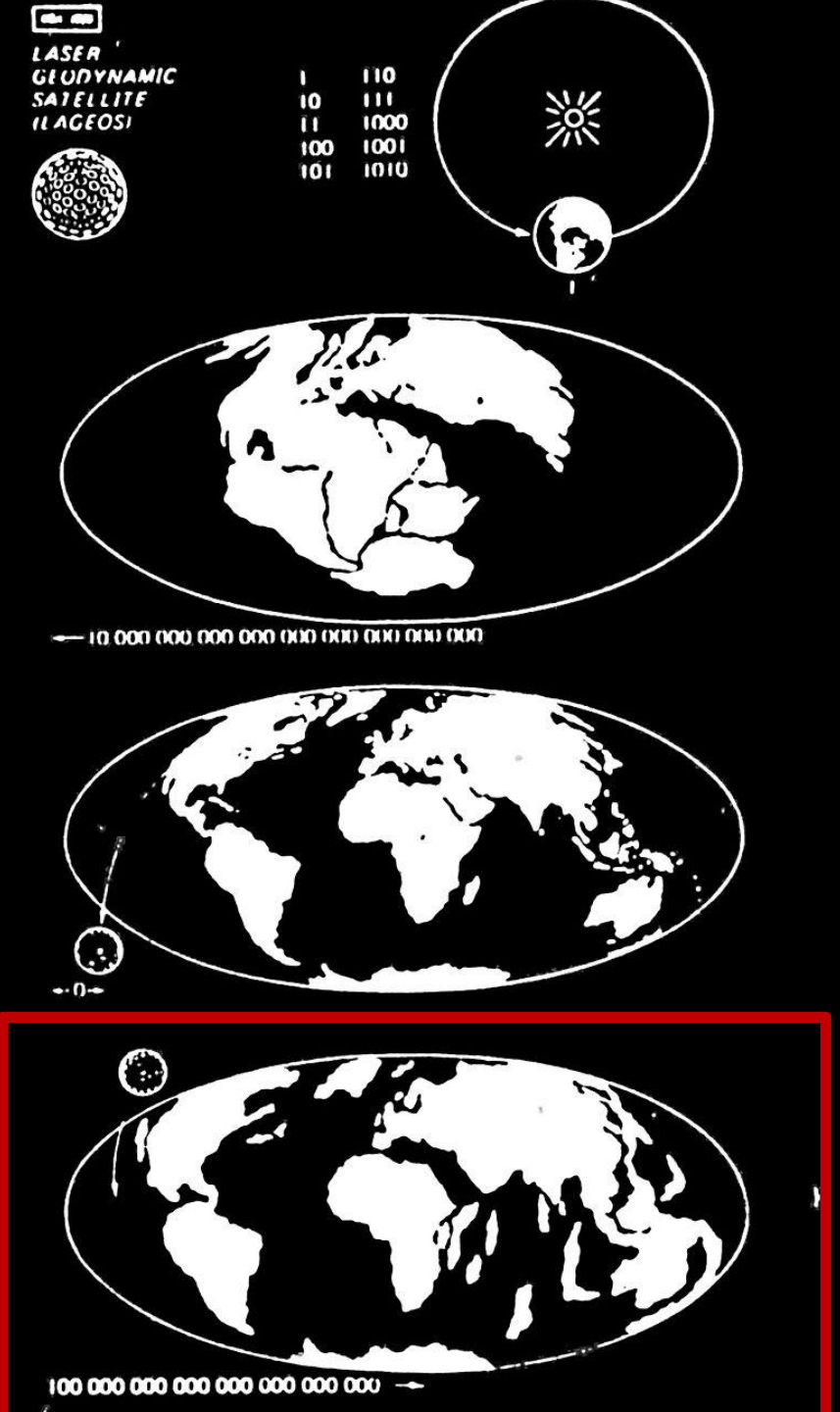
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Rosetta

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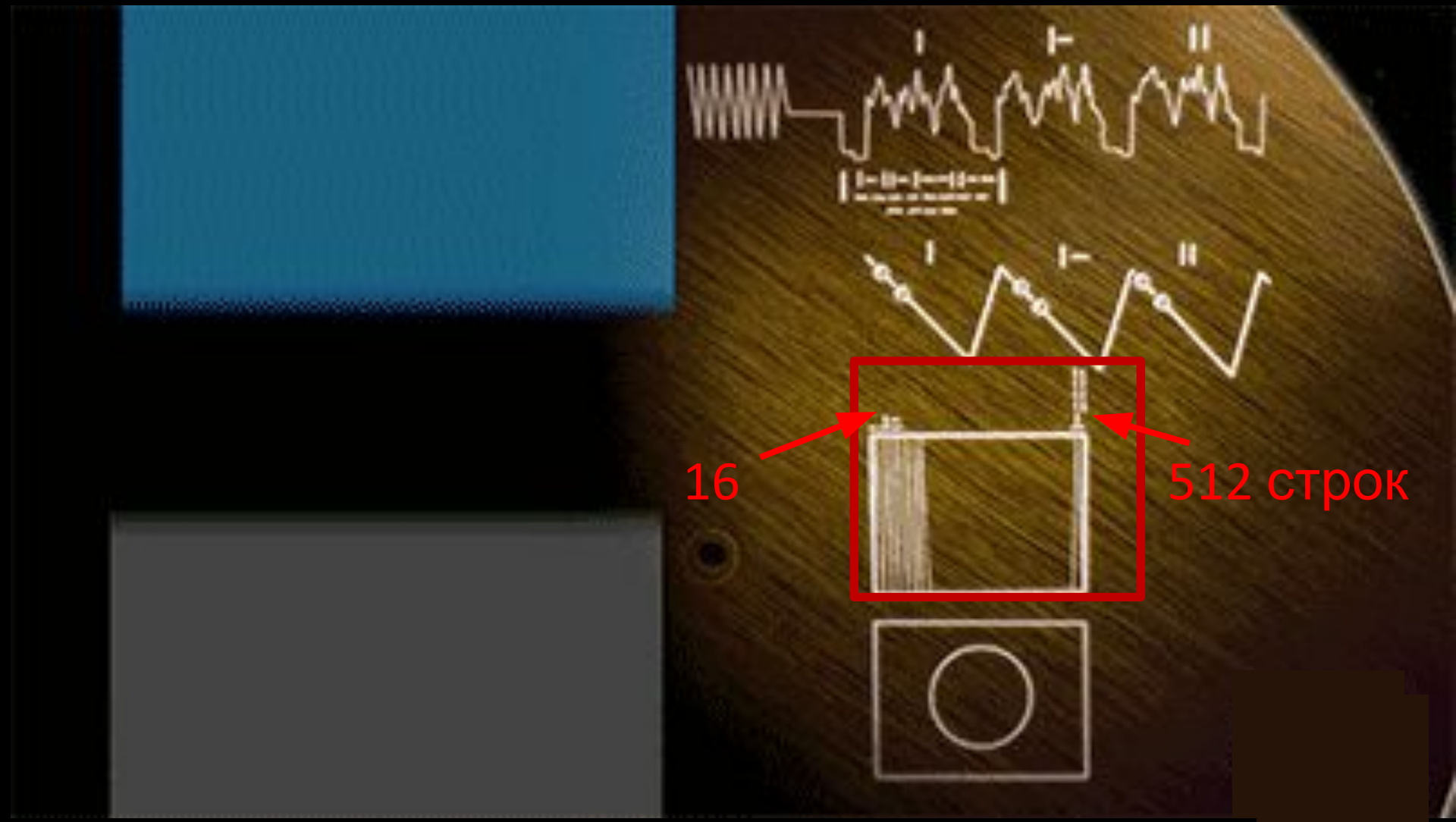
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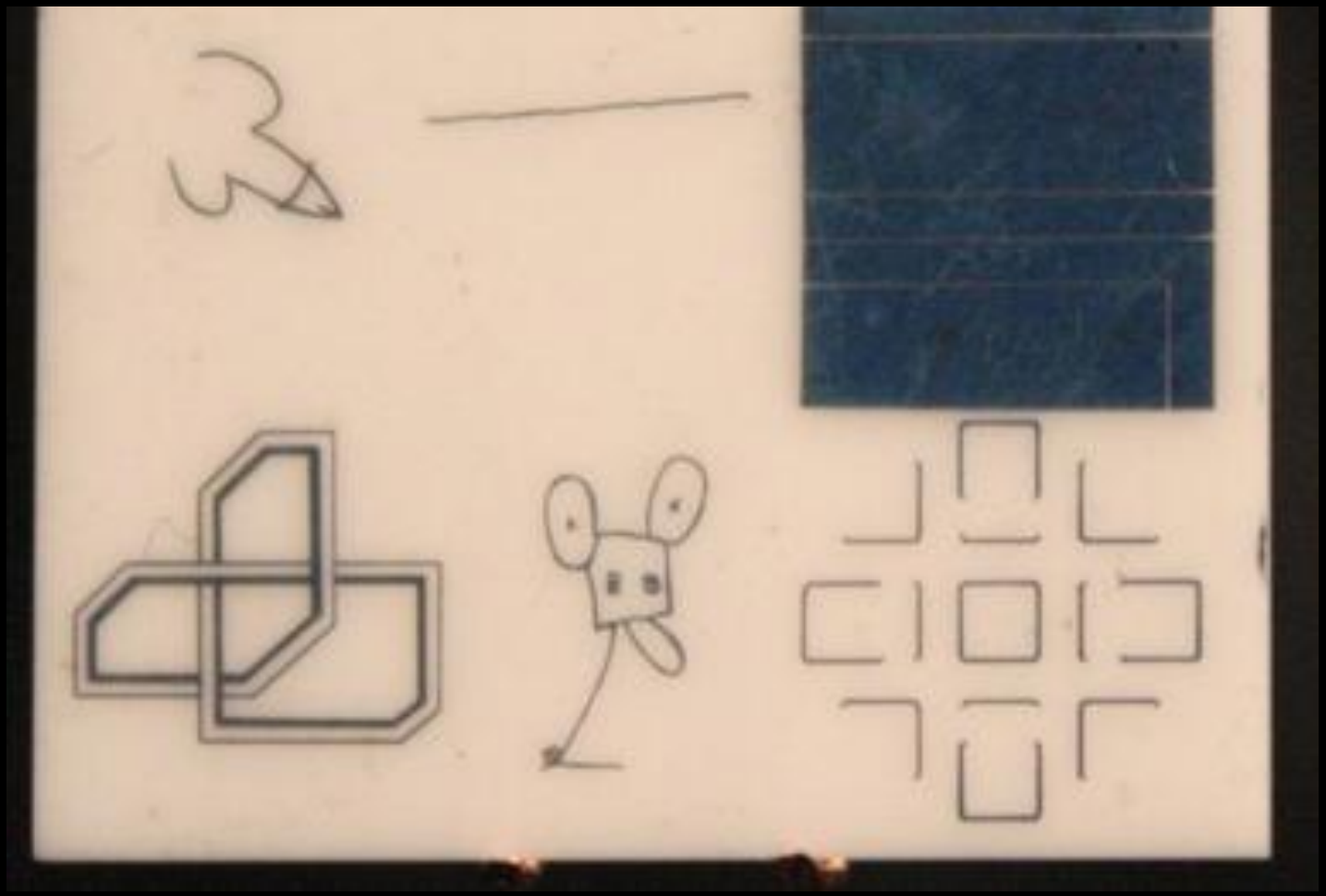

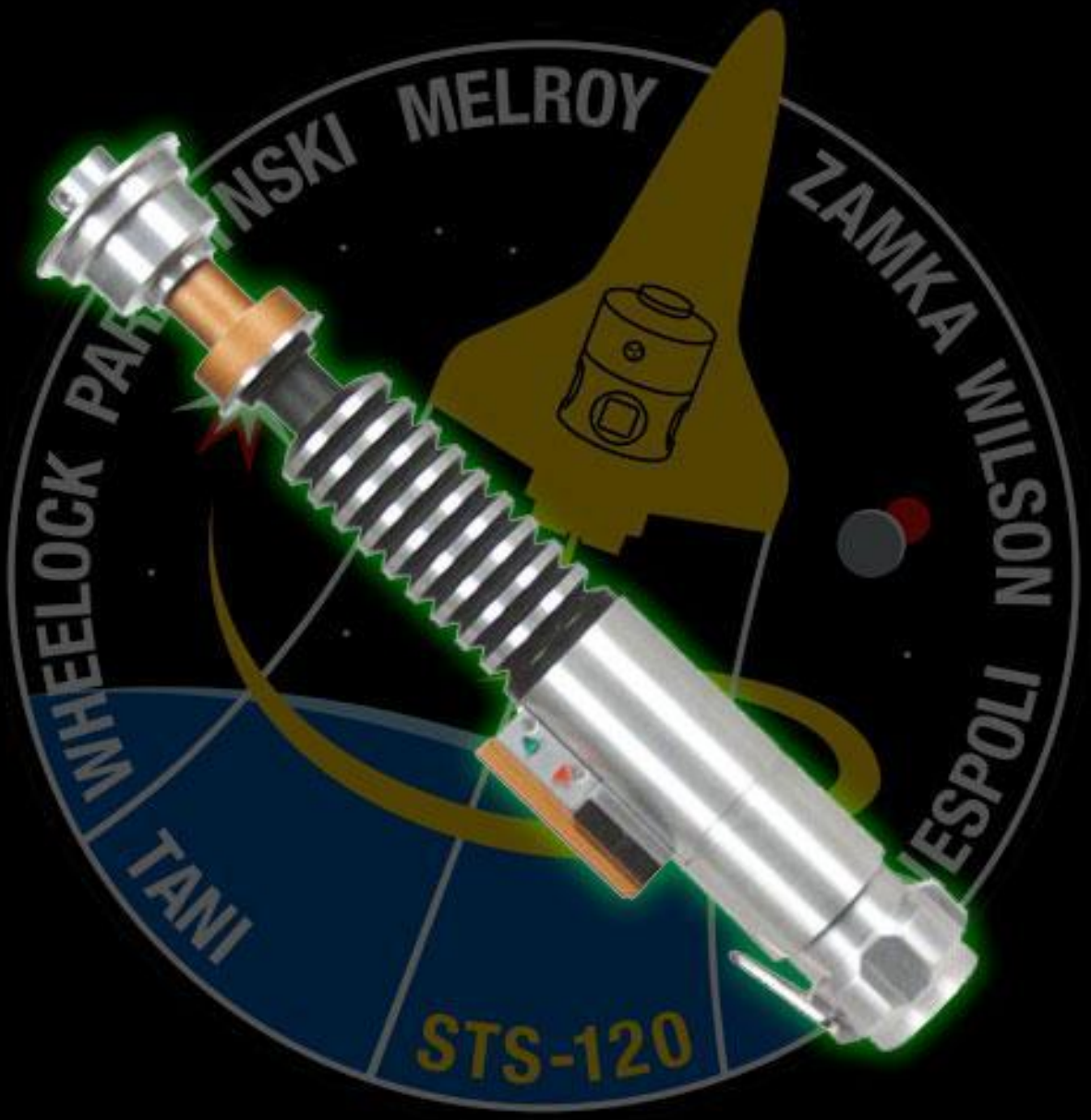
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