

CARTOGRAPHY OF KNOWN SPACES

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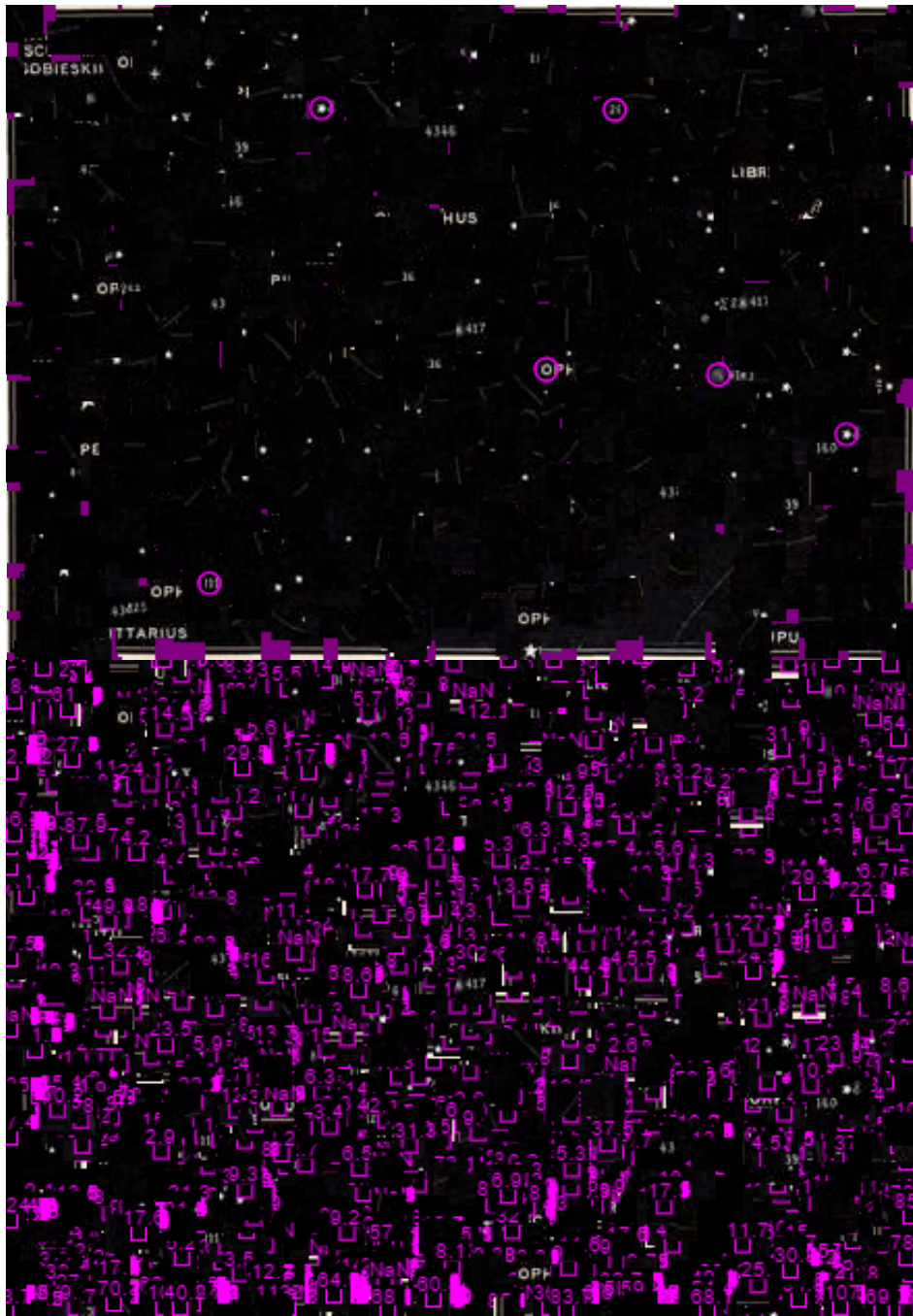
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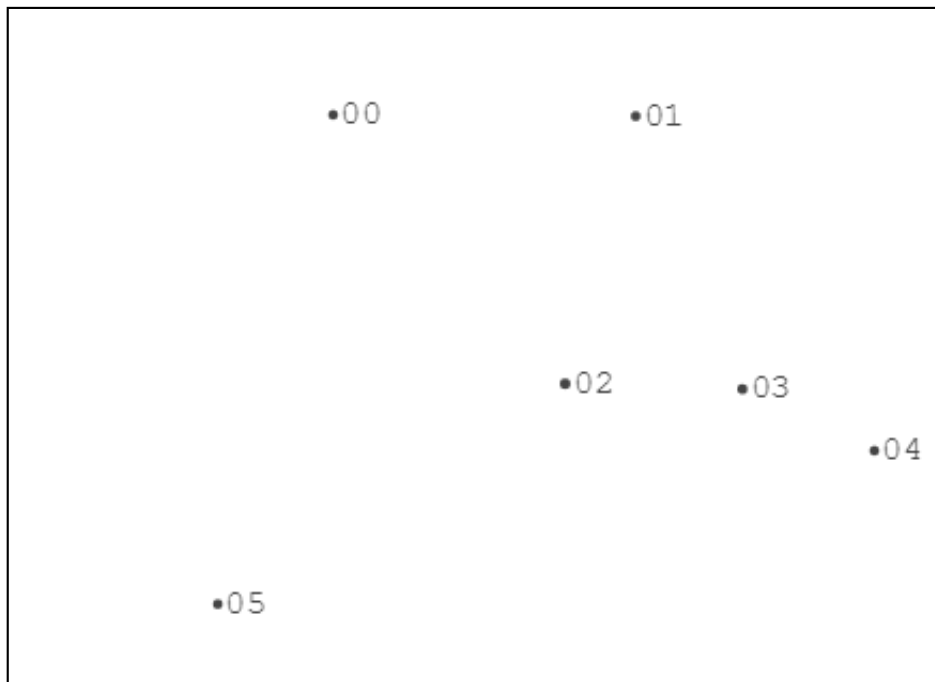
I

charts of unknown stars

This file contains classifications for stars not already collected in the literature, serving as a continuation of the compilations produced by the Jascheks, by Kennedy, and by Buscombe.

Magnitudes are provided as an indication of brightness, but these data are not necessarily accurate, as they often derive from photographic photometry or rough estimates.





00 sd05 He4
apparent magnitude: 10.2
distance: 129.54780042311805 ly

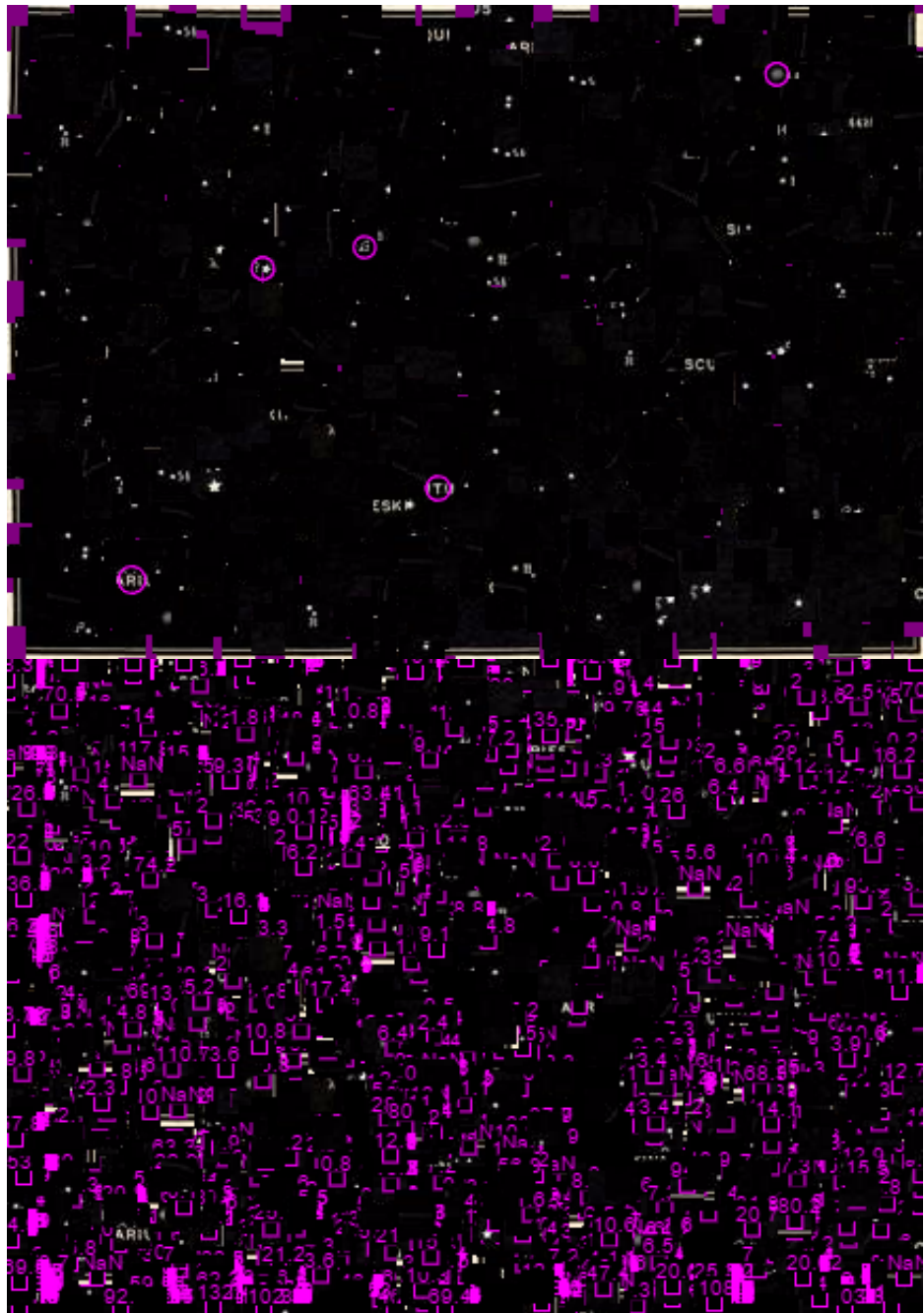
01 M6
apparent magnitude: 12.4
distance: 165.35191377248344 ly

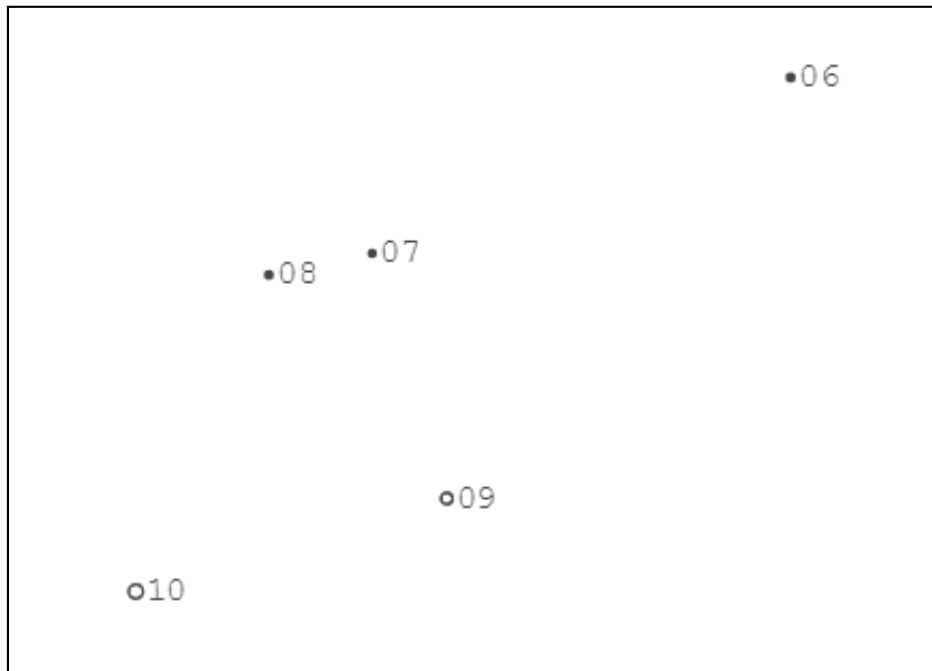
02 M4
apparent magnitude: 8.9
distance: 116.72805515302844 ly

03 M0
apparent magnitude: 12.2
distance: 159.7255128094031 ly

04 wooden table
apparent magnitude: Infinity
distance: beneath my hands (0mm)

05 A7/F0
apparent magnitude: 12.5
distance: 167.63619932745527 ly





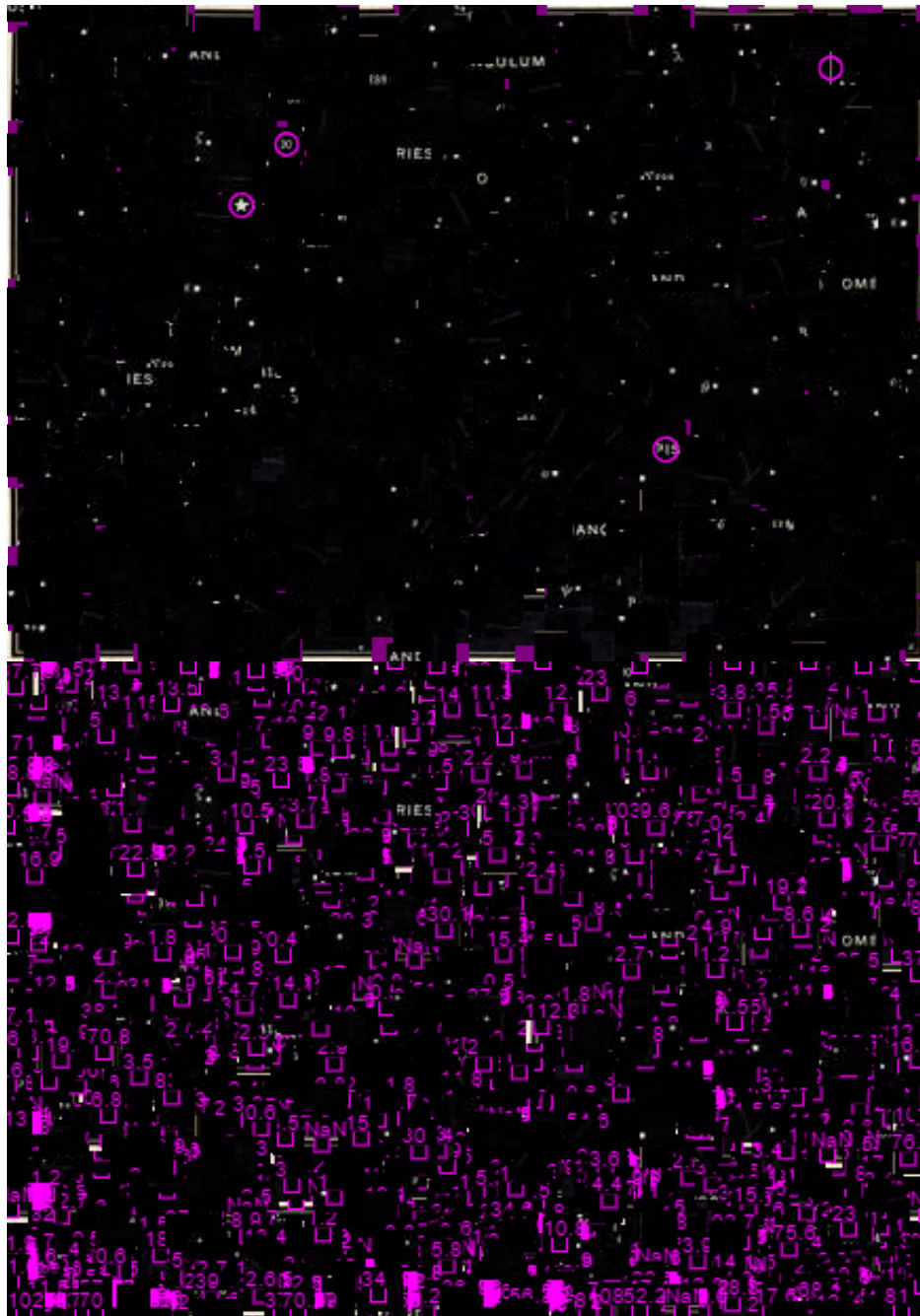
06 F0
apparent magnitude: 12
distance: 155.284077069701 ly

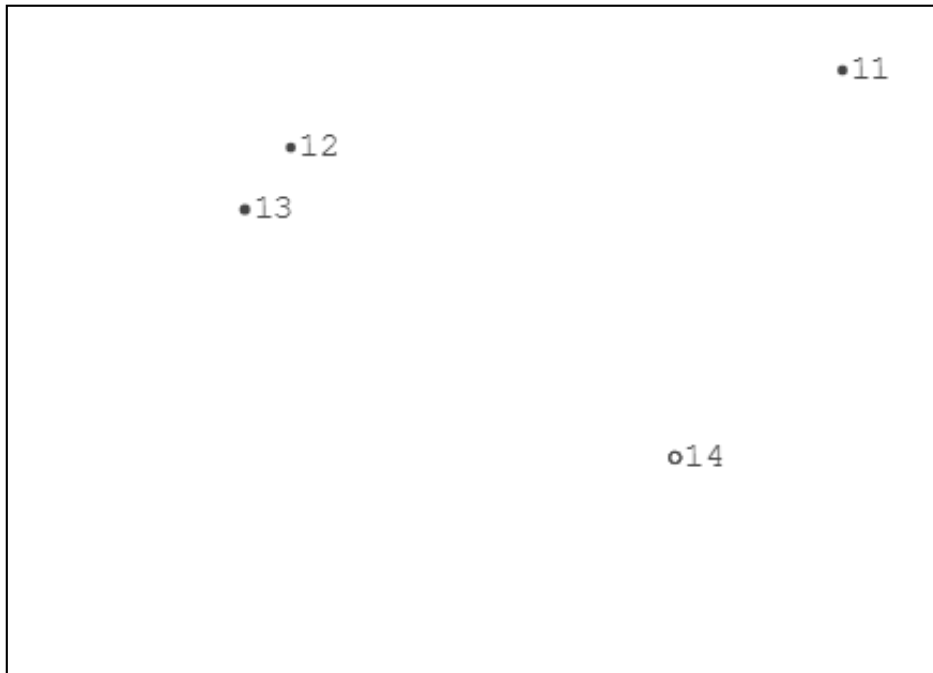
07 M5
apparent magnitude: 12.1
distance: 157.74586861628714 ly

08 the earth's air
apparent magnitude: Infinity
distance: within my lungs (0mm)

09 K7V
apparent magnitude: 6.6
distance: 101.2456385260889 ly

10 G8/K0V w1
apparent magnitude: -2.4
distance: 72.31180528415776 ly



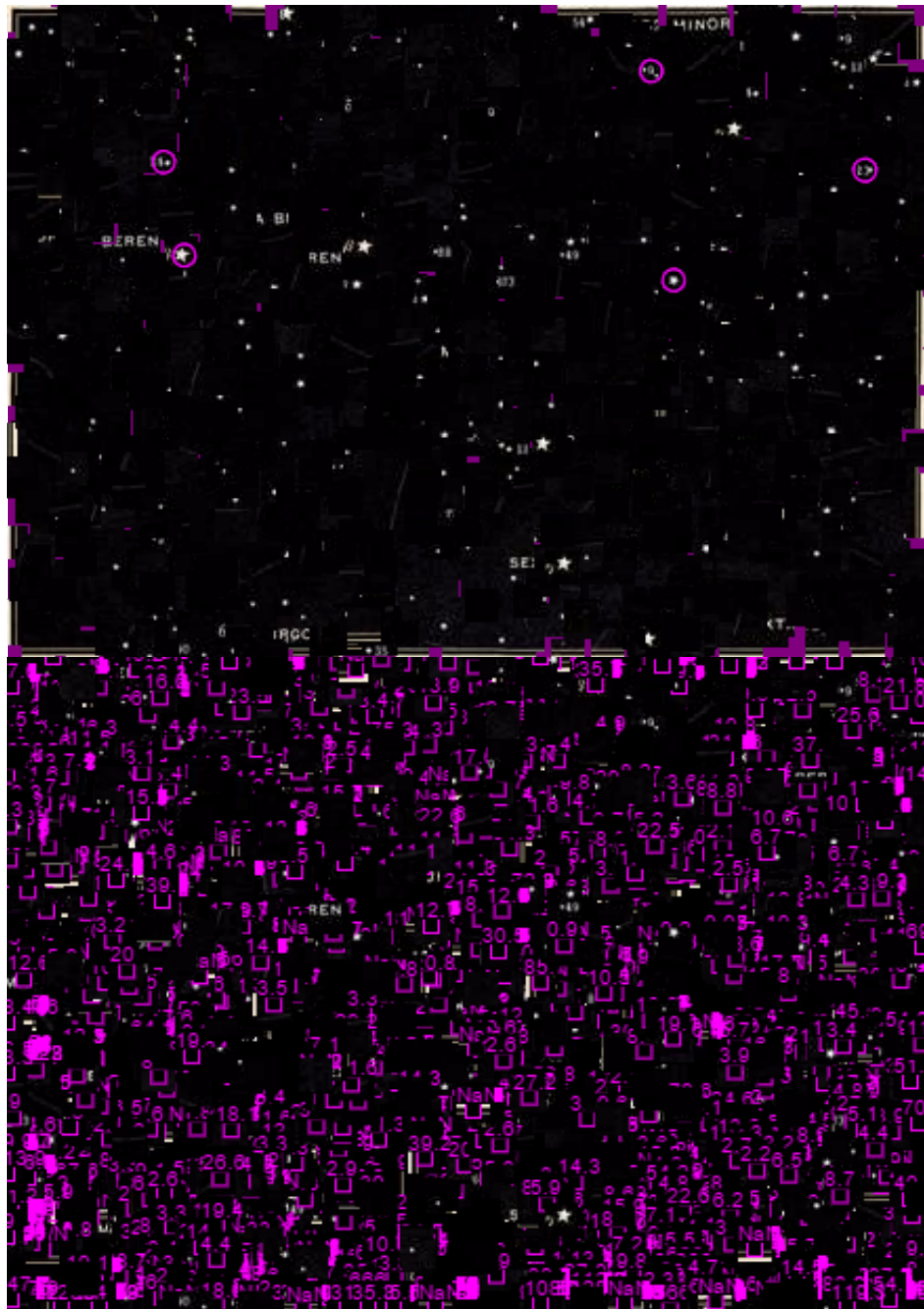


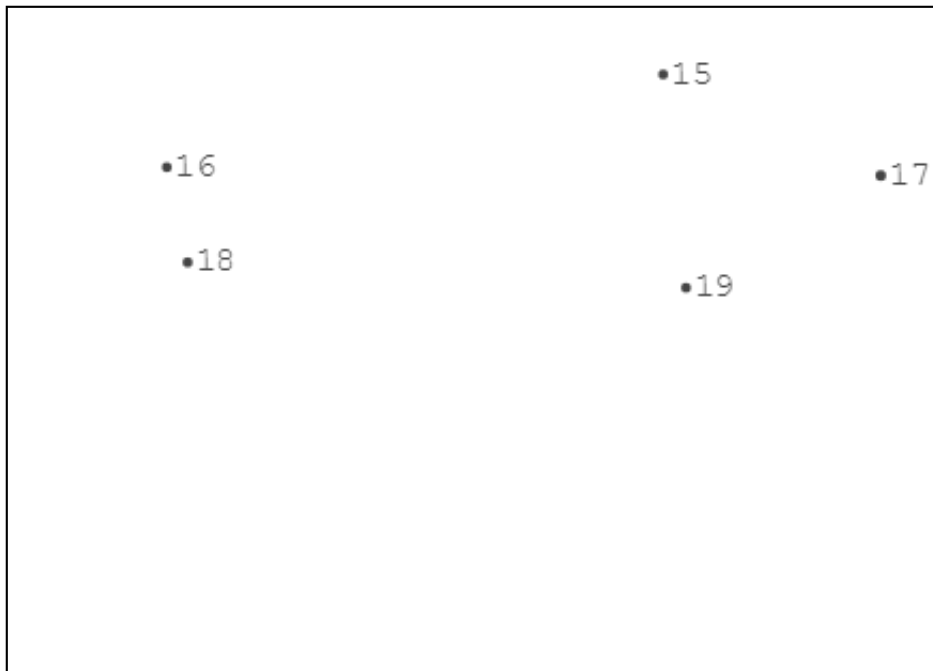
11 G8V
apparent magnitude: 11.4
distance: 144.985981475884 ly

12 B7V
apparent magnitude: 11.9
distance: 153.22198342299131 ly

13 M3
apparent magnitude: 5.7
distance: 96.74614228286609 ly

14 computer keyboard
apparent magnitude: Infinity
distance: touching my fingertips (0mm)





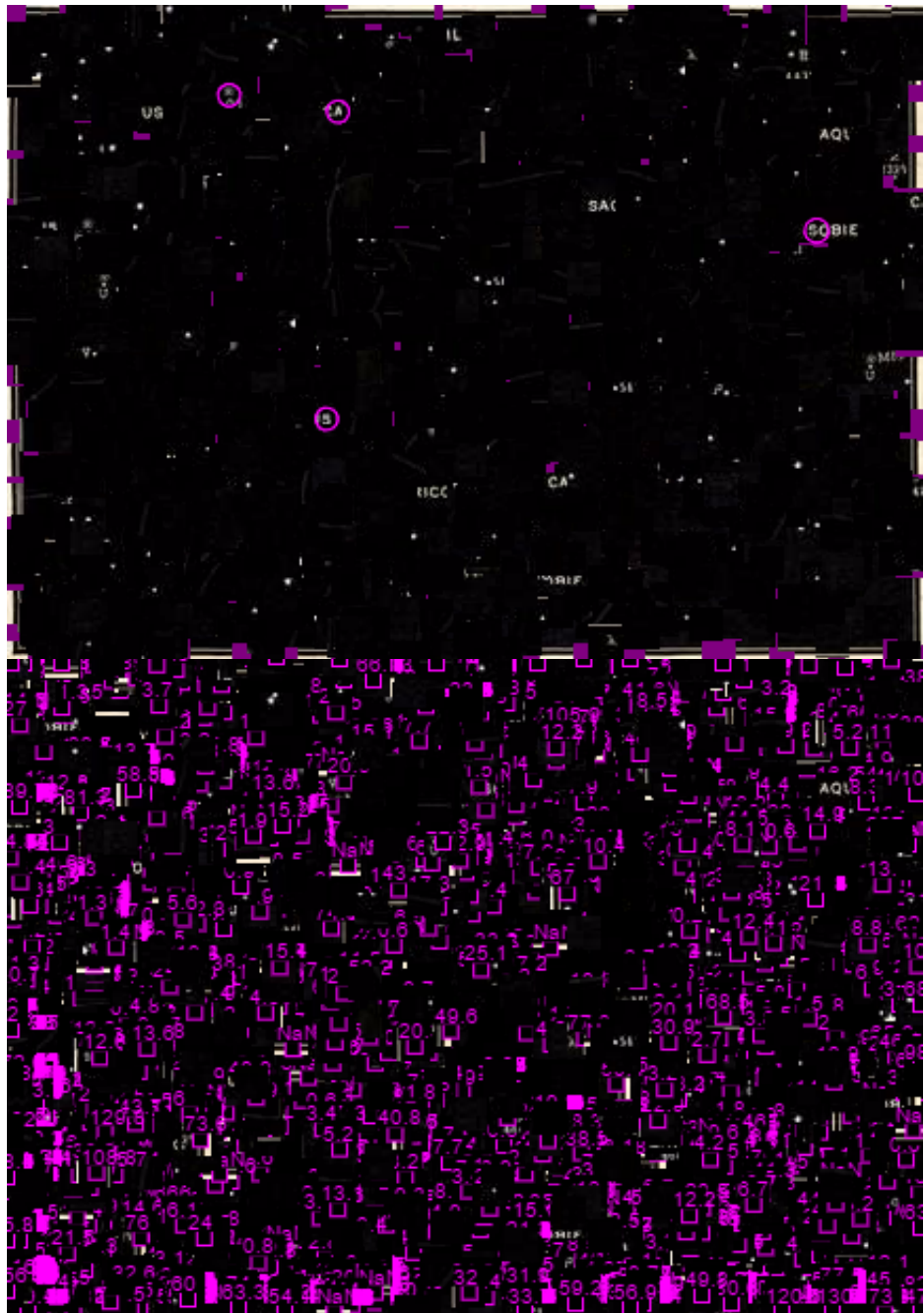
15 F0
apparent magnitude: 11.3
distance: 144.17732713595066 ly

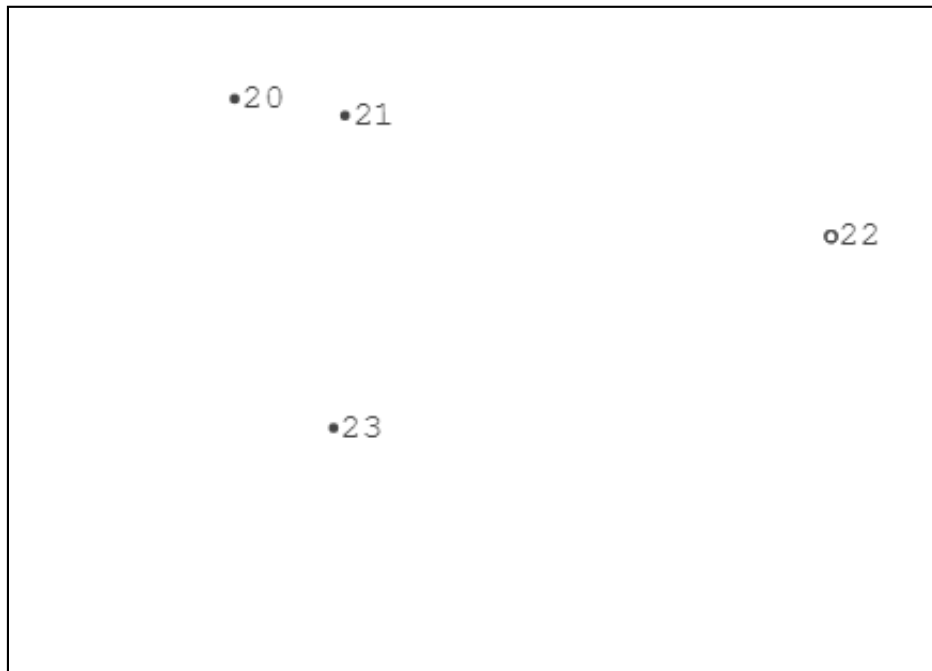
16 G5V
apparent magnitude: 11
distance: 139.15943215372133 ly

17 the food i ate
apparent magnitude: Infinity
distance: within my stomach (0mm)

18 M0
apparent magnitude: 8.7
distance: 115.51313599045027 ly

19 K1V
apparent magnitude: 10.2
distance: 129.37363101889423 ly



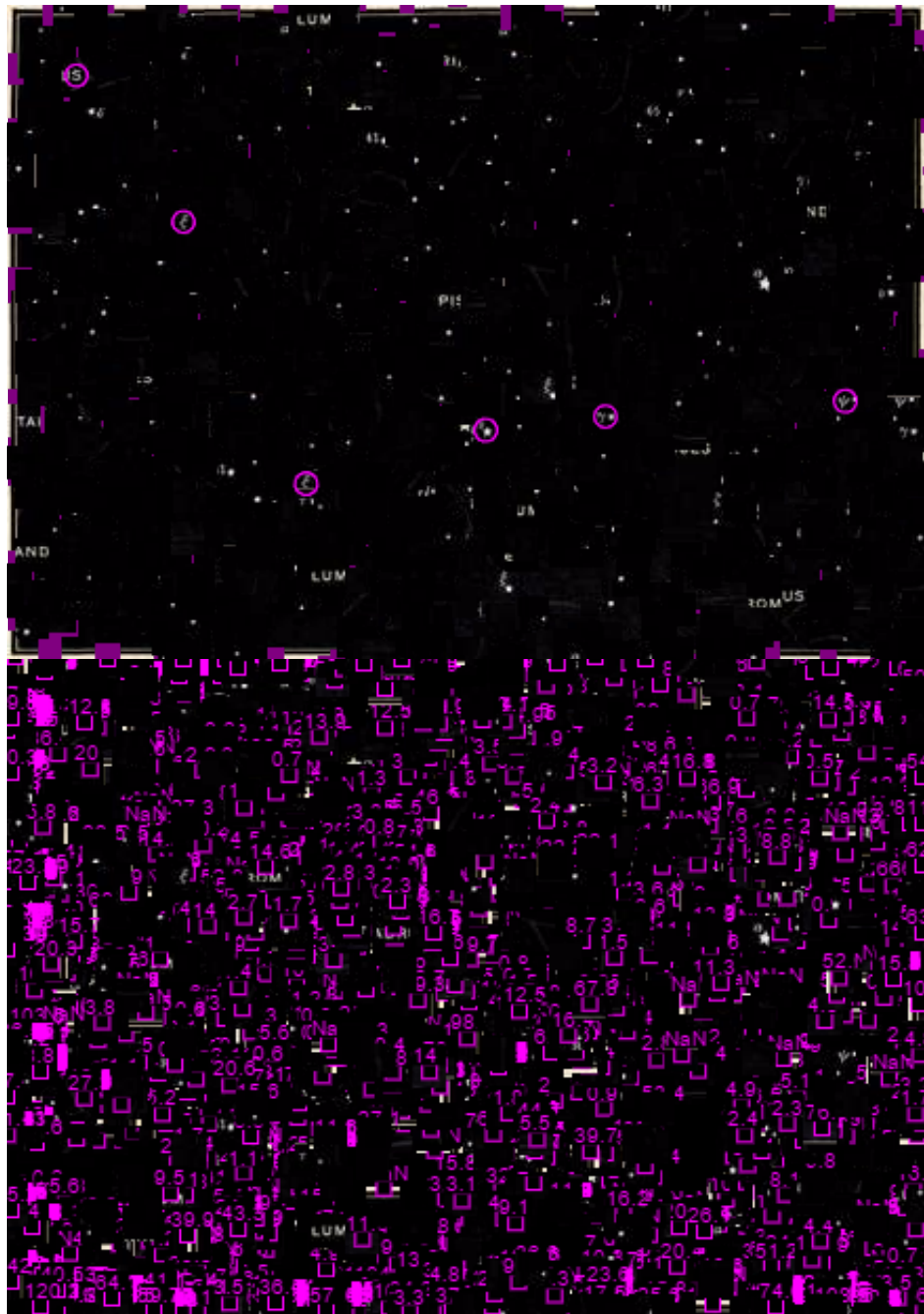


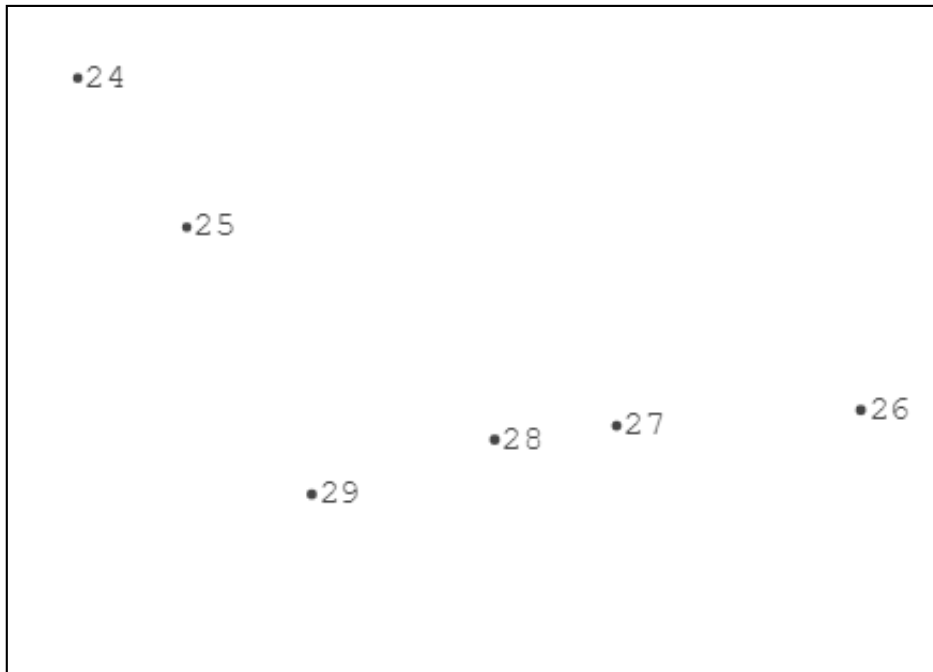
20 wooden chair
apparent magnitude: Infinity
distance: 2.3m

21 M5
apparent magnitude: 10.9
distance: 137.39107246939167 ly

22 F0V
apparent magnitude: 6.9
distance: 103.21799008915875 ly

23 M3
apparent magnitude: 10.7
distance: 135.6550449217862 ly





24 K1V
apparent magnitude: 11.3
distance: 144.5395433402644 ly

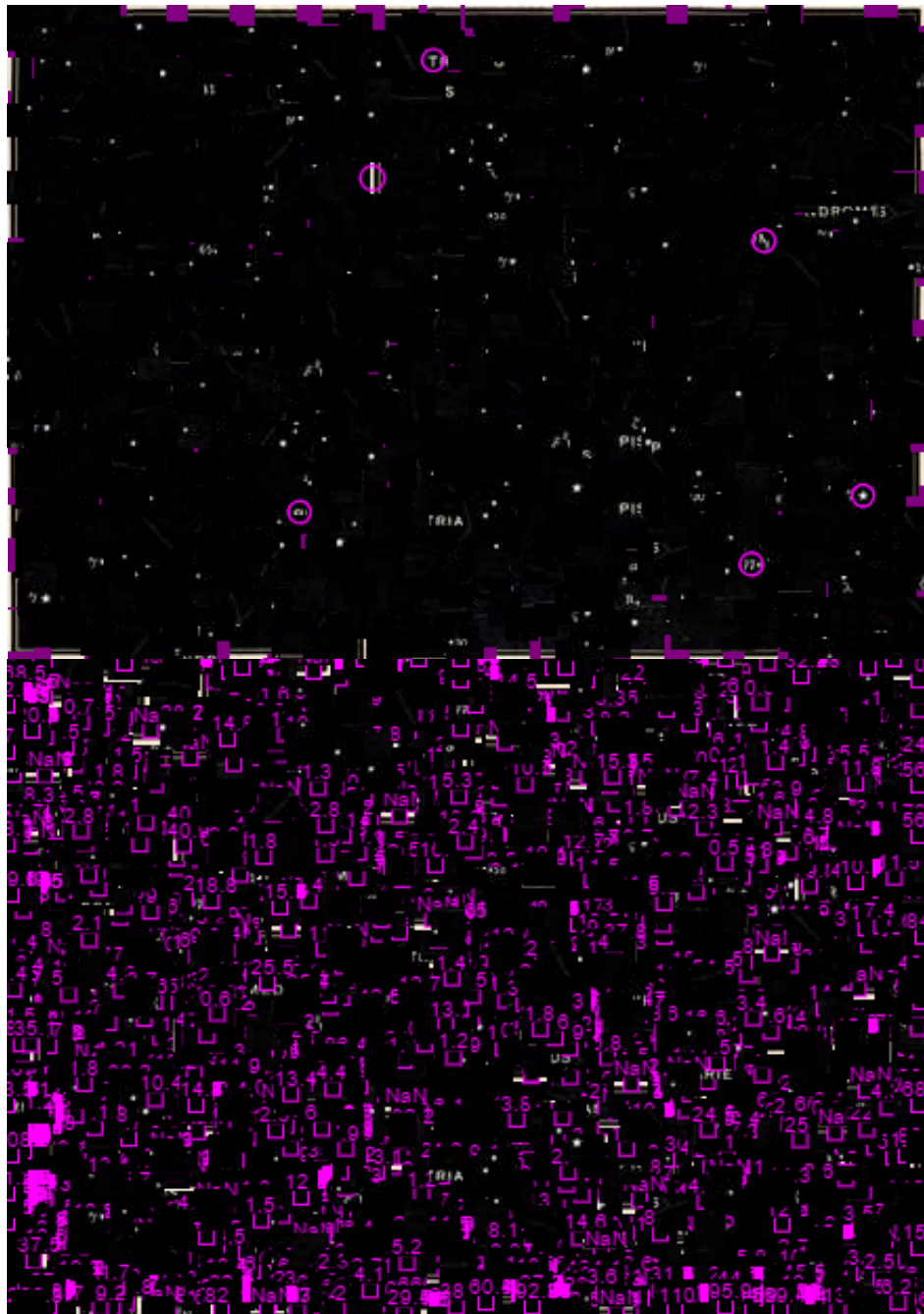
25 G5/8V
apparent magnitude: 12.7
distance: 170.9458459210053 ly

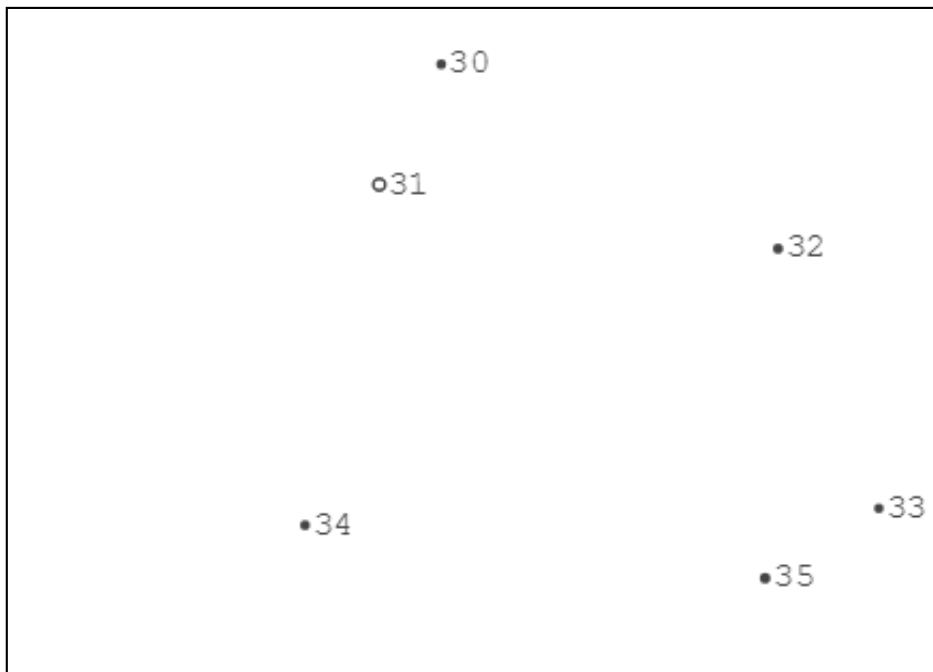
26 undefined
apparent magnitude: 10.5
distance: 132.93379402966104 ly

27 M6
apparent magnitude: 11.3
distance: 143.73829454884608 ly

28 G8V
apparent magnitude: 9.7
distance: 124.32580044037674 ly

29 G8III
apparent magnitude: 11.8
distance: 153.02985000936033 ly





30 wooden chair
apparent magnitude: Infinity
distance: the thickness of my clothing

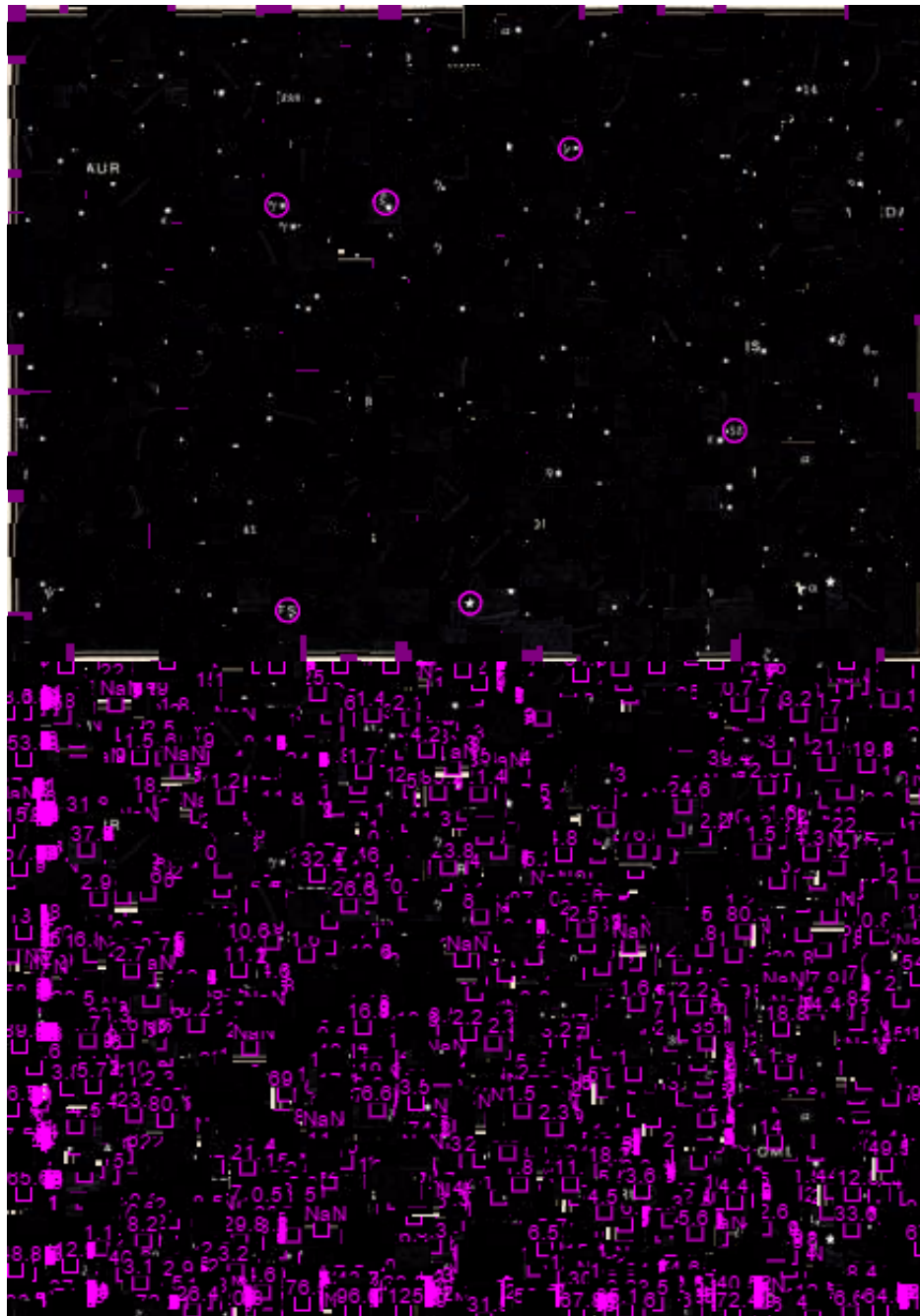
31 the floor
apparent magnitude: Infinity
distance: beneath my feet (0mm)

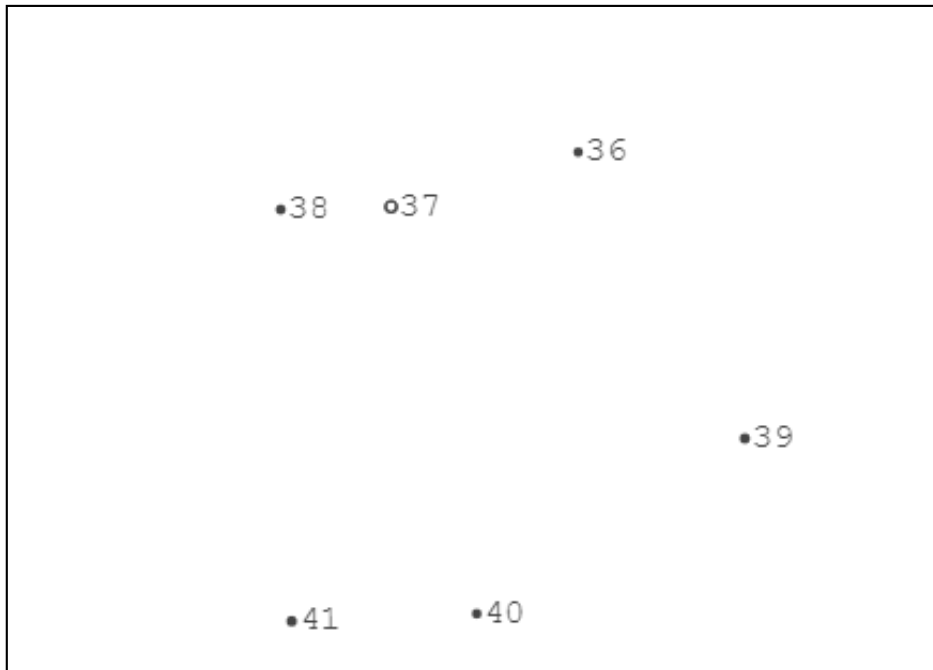
32 K5V
apparent magnitude: 10.6
distance: 133.95103537648268 ly

33 A7/F0
apparent magnitude: 11.2
distance: 141.98312541574052 ly

34 B8V
apparent magnitude: 11.3
distance: 144.4588149581322 ly

35 F0
apparent magnitude: 10.1
distance: 127.78121567900621 ly





36 my clothing
apparent magnitude: Infinity
distance: upon the surface of my skin (0mm)

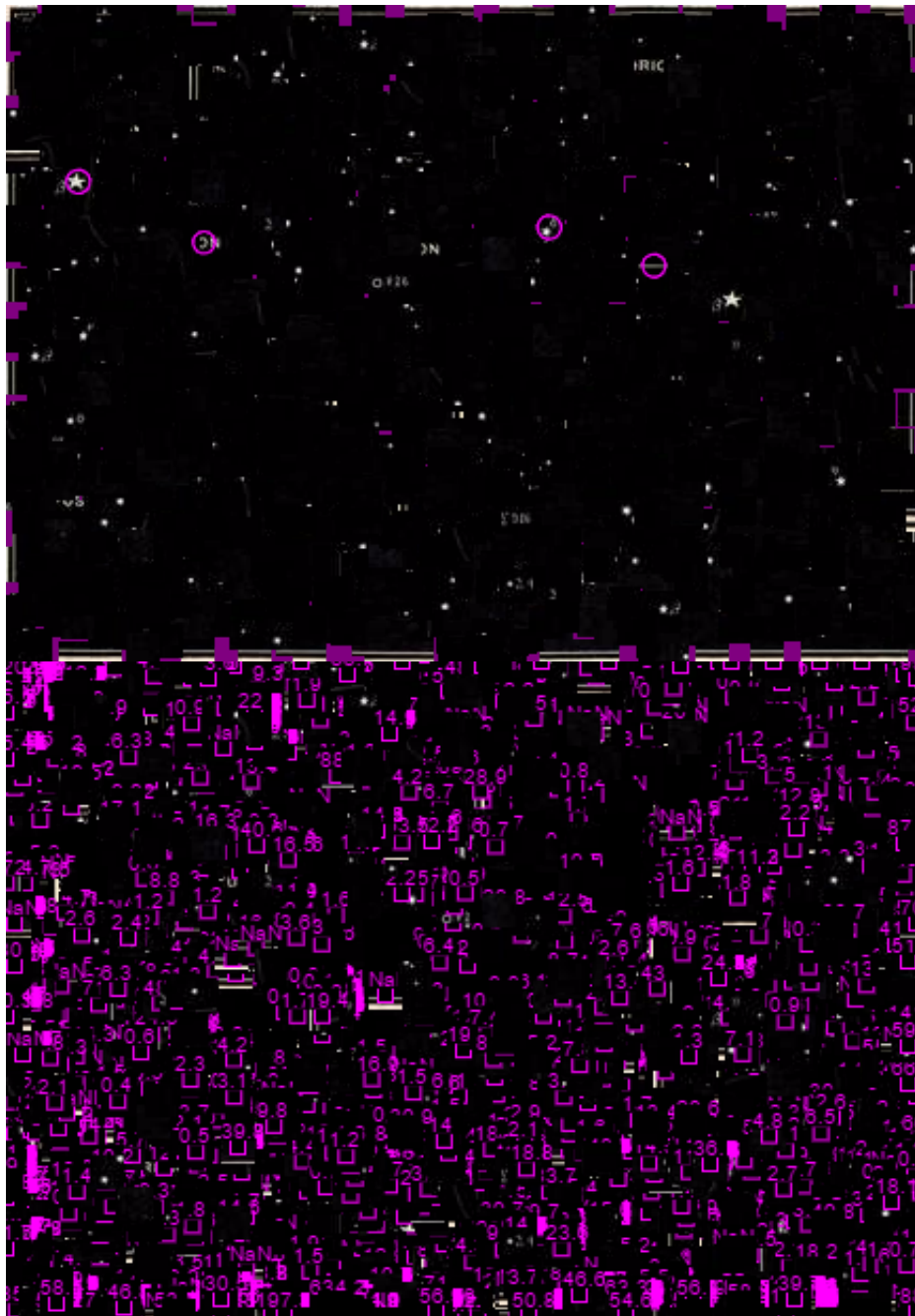
37 K7V
apparent magnitude: 8.5
distance: 113.30952005756019 ly

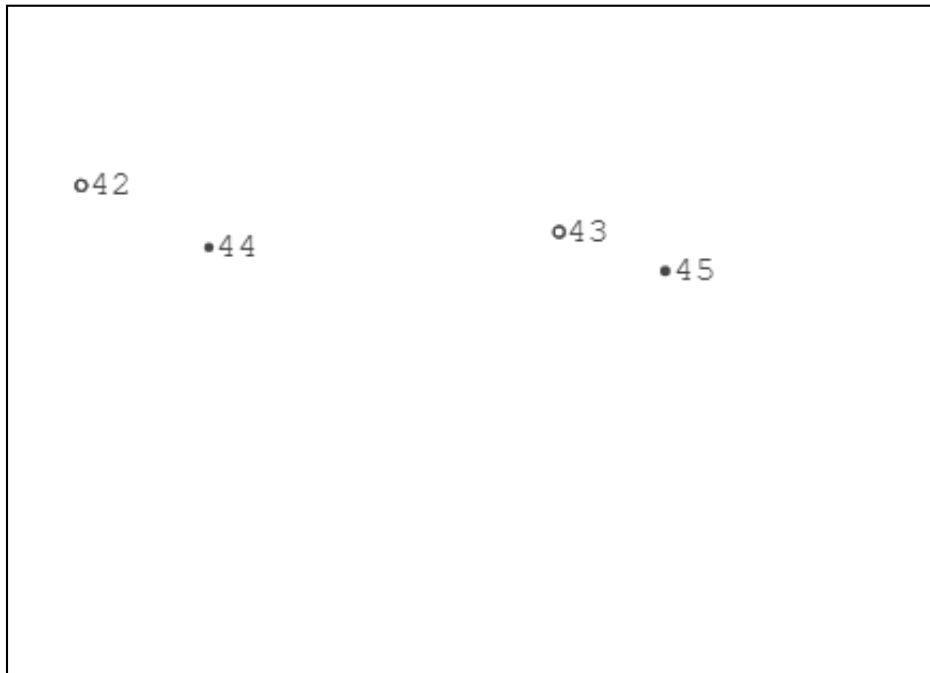
38 G2/5V
apparent magnitude: 11.3
distance: 143.73829454884608 ly

39 OB
apparent magnitude: 11.2
distance: 141.52583653609278 ly

40 F0/2
apparent magnitude: 10.1
distance: 128.00510797210663 ly

41 G8III
apparent magnitude: 10
distance: 127.22658439704955 ly





42 undefined
apparent magnitude: 5.2
distance: 94.70455933119987 ly

43 B7V
apparent magnitude: 8.2
distance: 111.4860213427053 ly

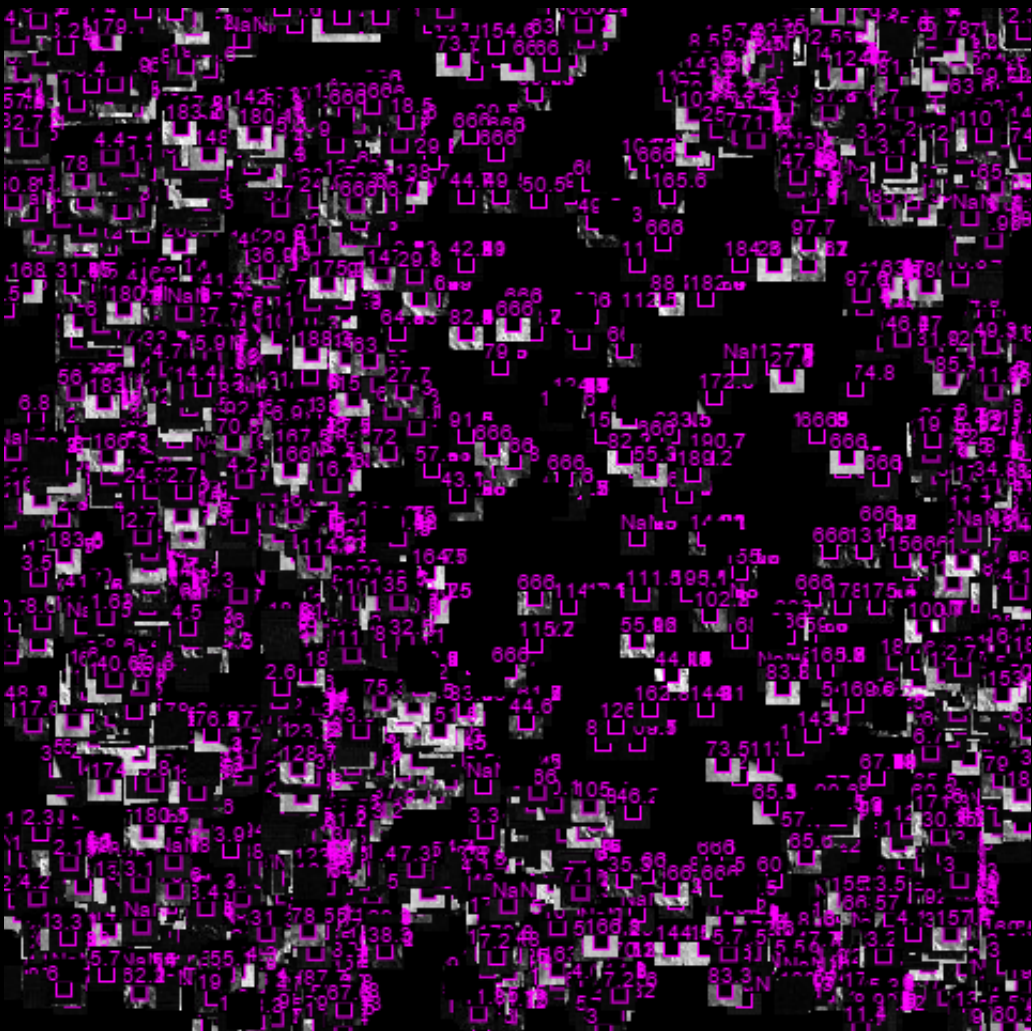
44 em
apparent magnitude: 12.3
distance: 161.44278762024206 ly

45 em
apparent magnitude: 11.9
distance: 153.80275490285922 ly

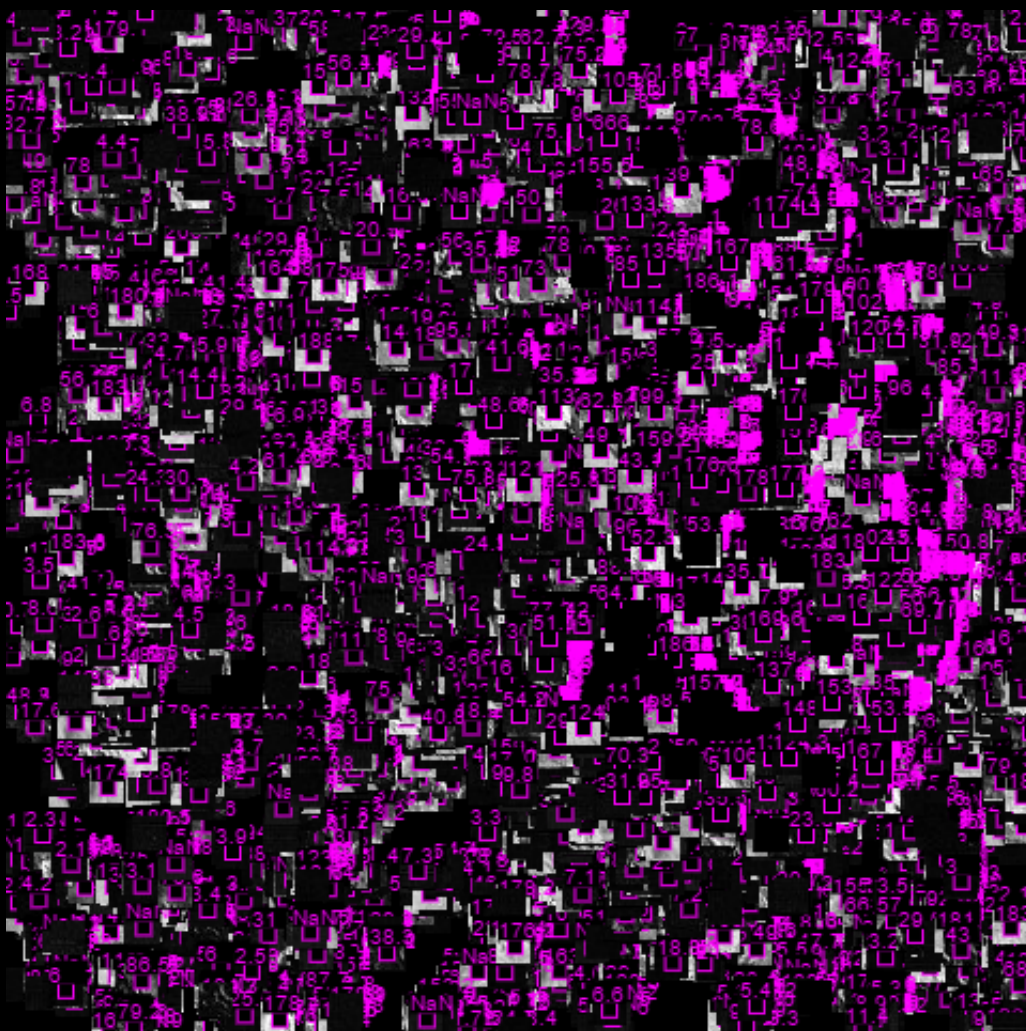
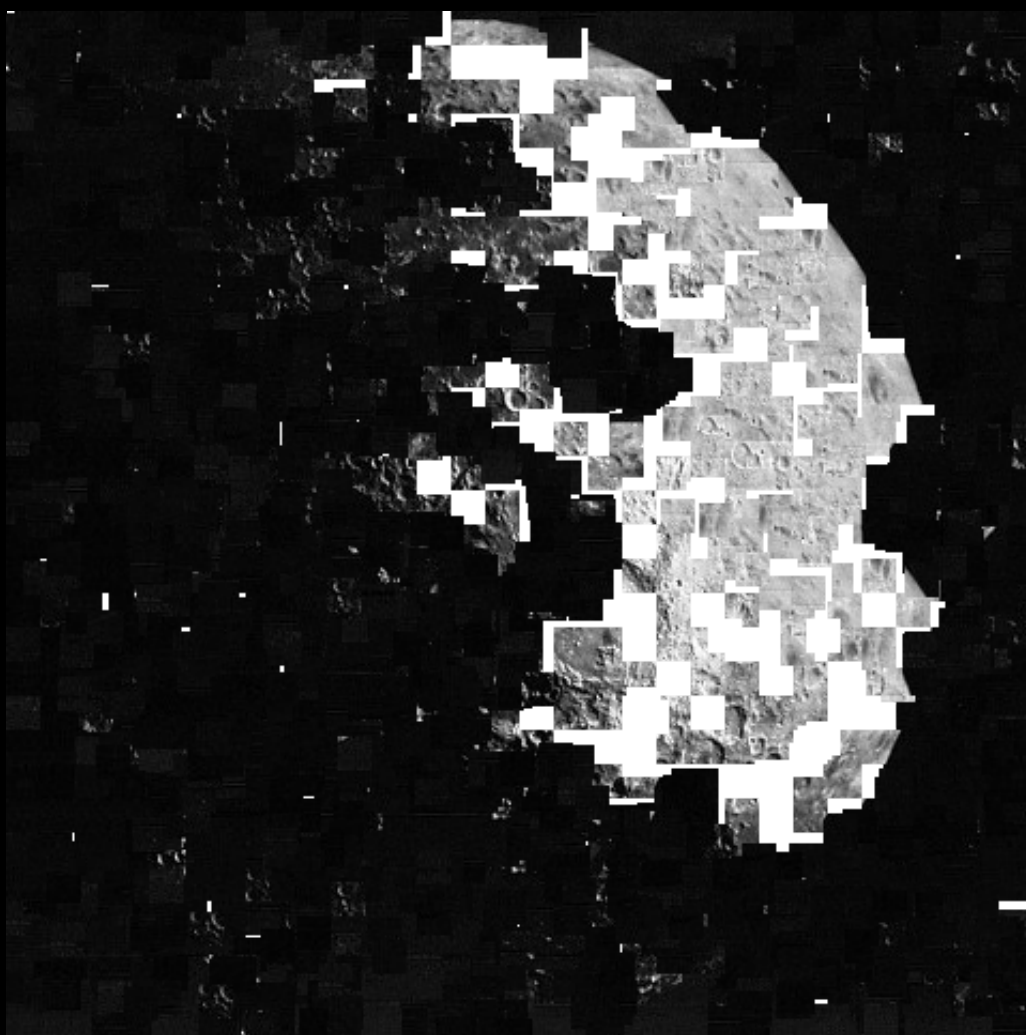
II

forgetting the moon

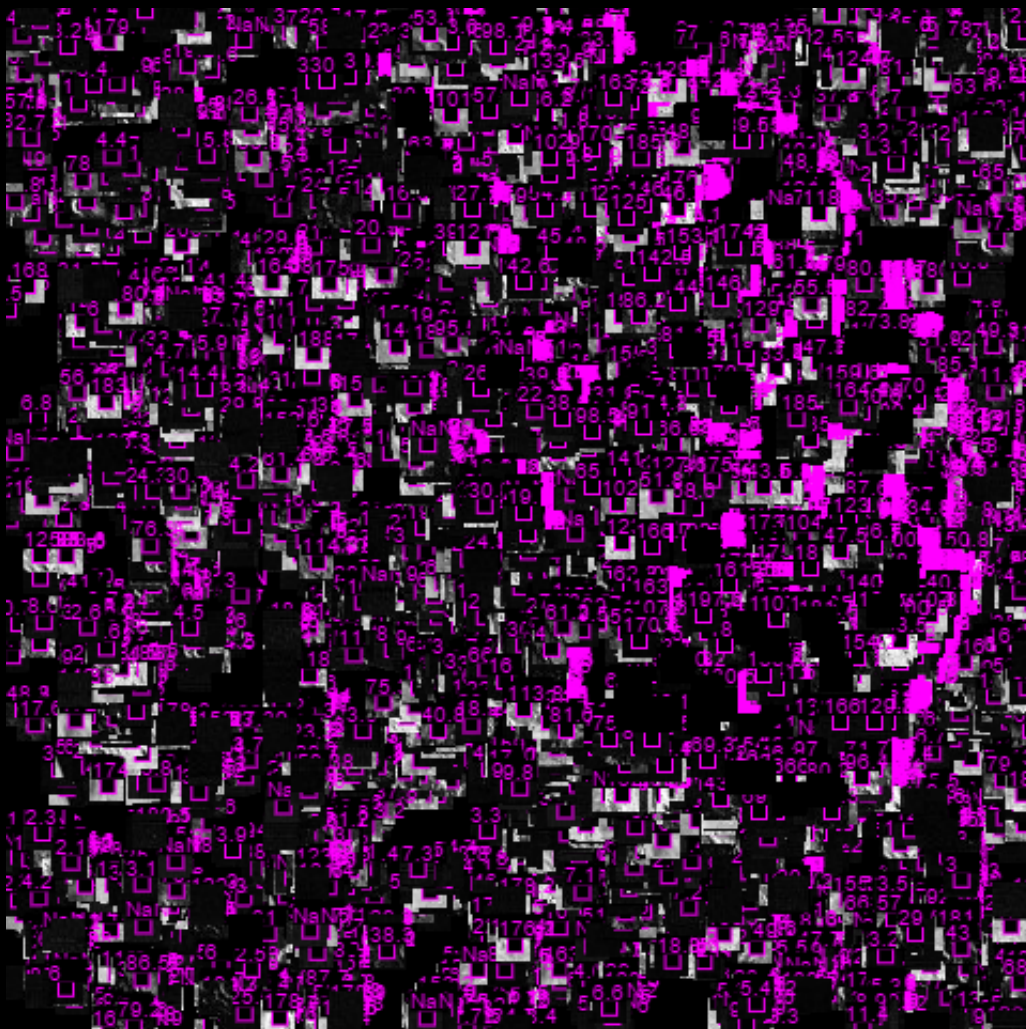
Soon the central area, the apparent court of entry, is left barren as no more flowers emerge. Numerous scars remain on this portion as reminders of the flowers produced in the past. Soon the infection ramifies into nearby branches of the host; the floriferous areas eventually become separated, but now progress only acropetally [upward toward the apex]. We can speak of a reproductive zone, therefore, maintaining a certain distance from the shoot apices of the host.



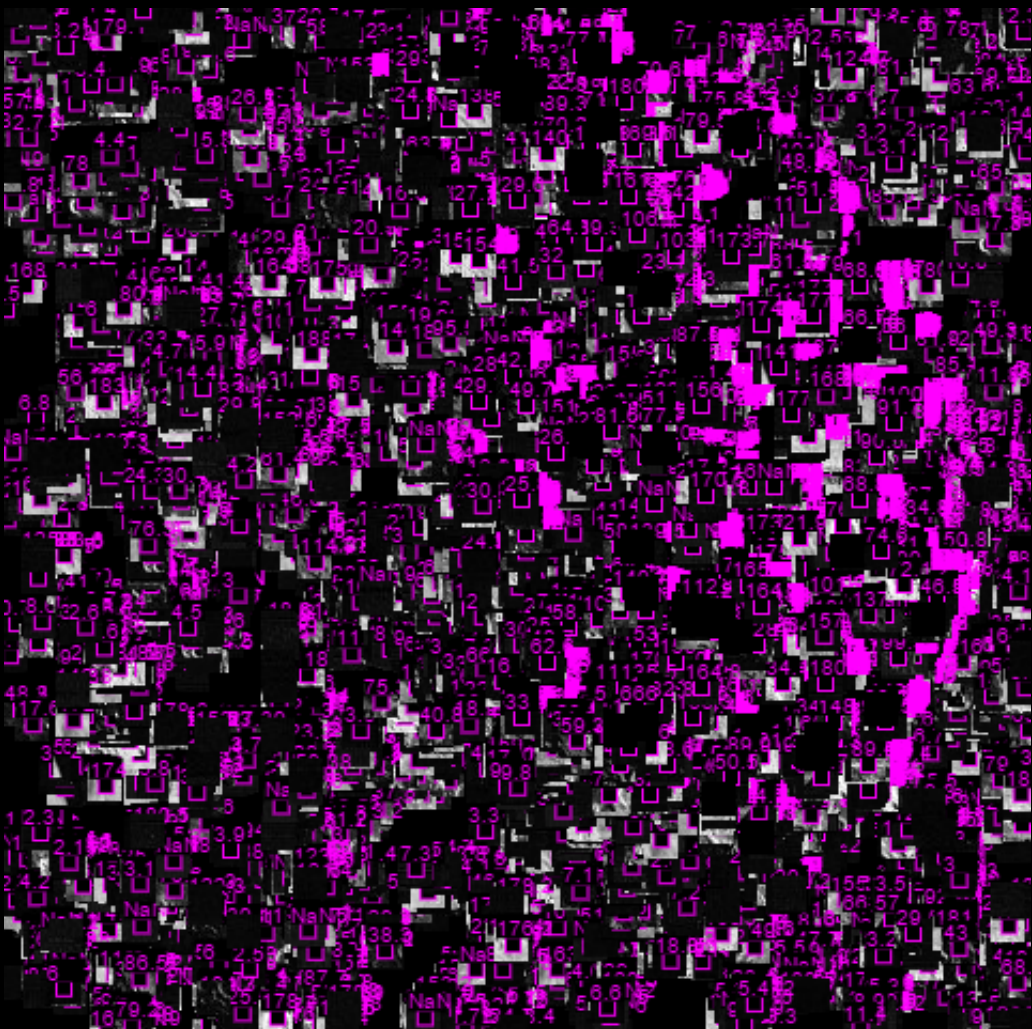
1146 solvers
tolerance 16



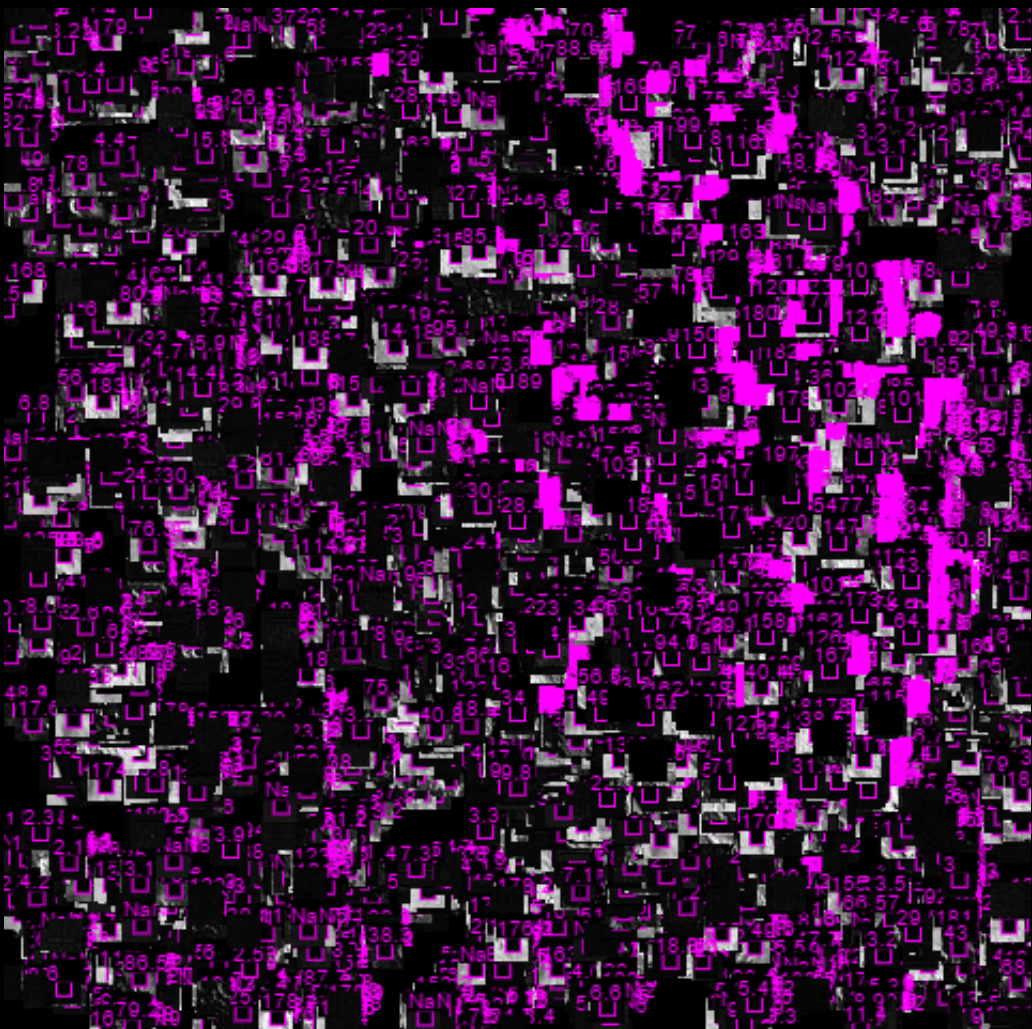
1366 solvers
tolerance 16



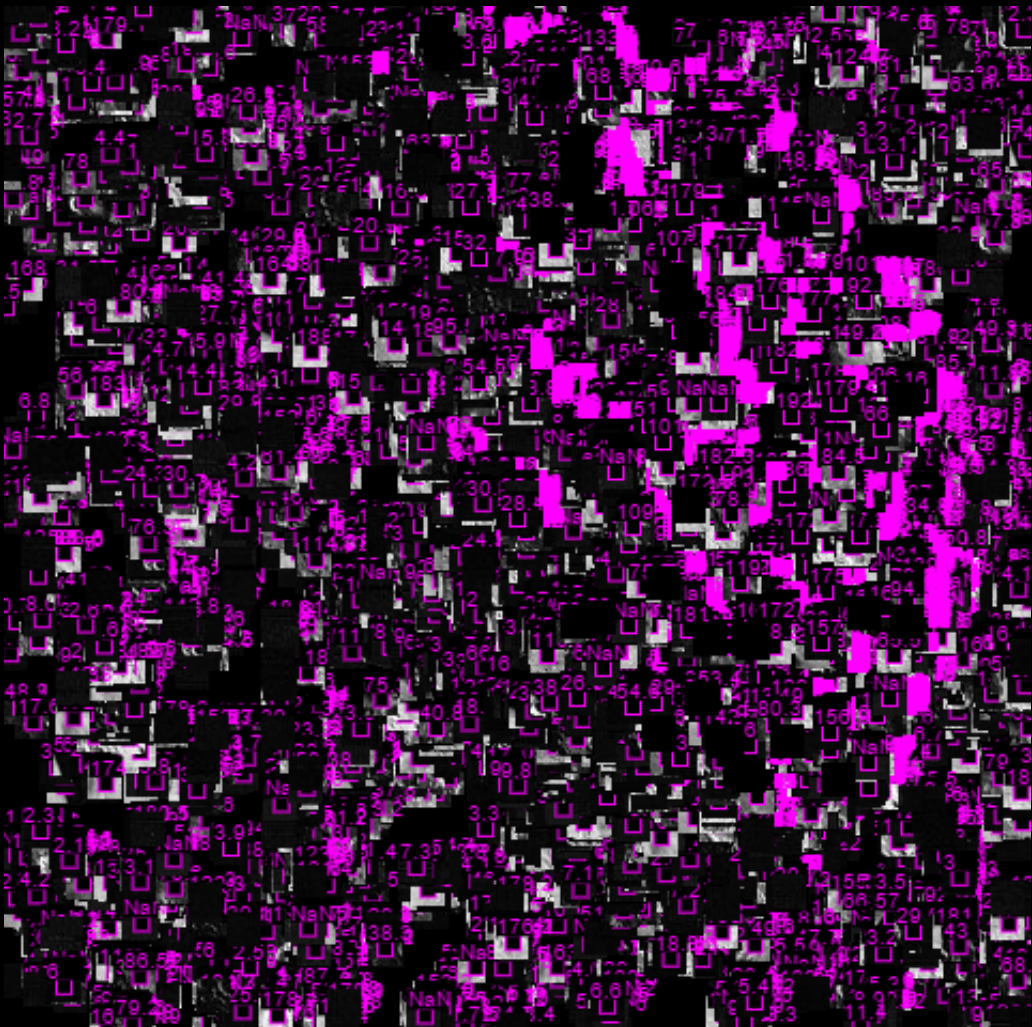
1733 solvers
tolerance 16



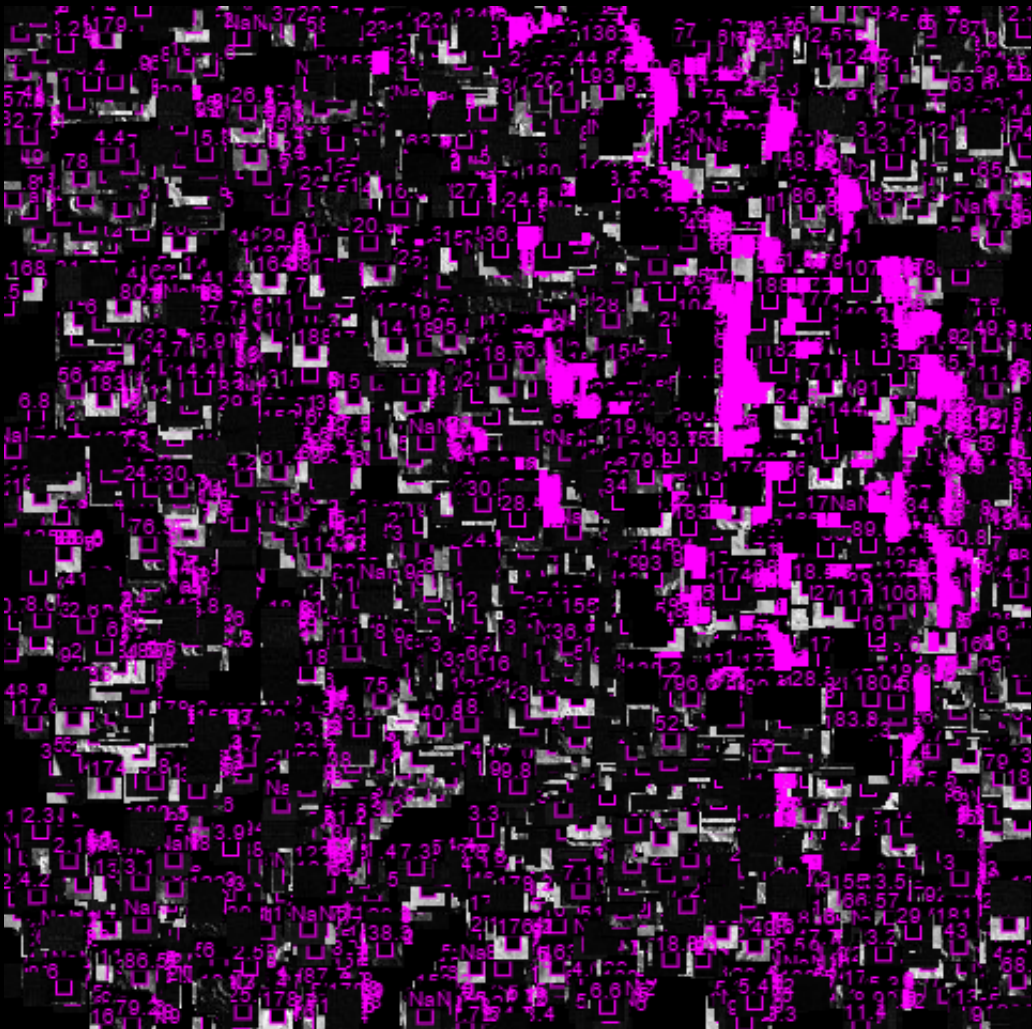
1741 solvers
tolerance 16



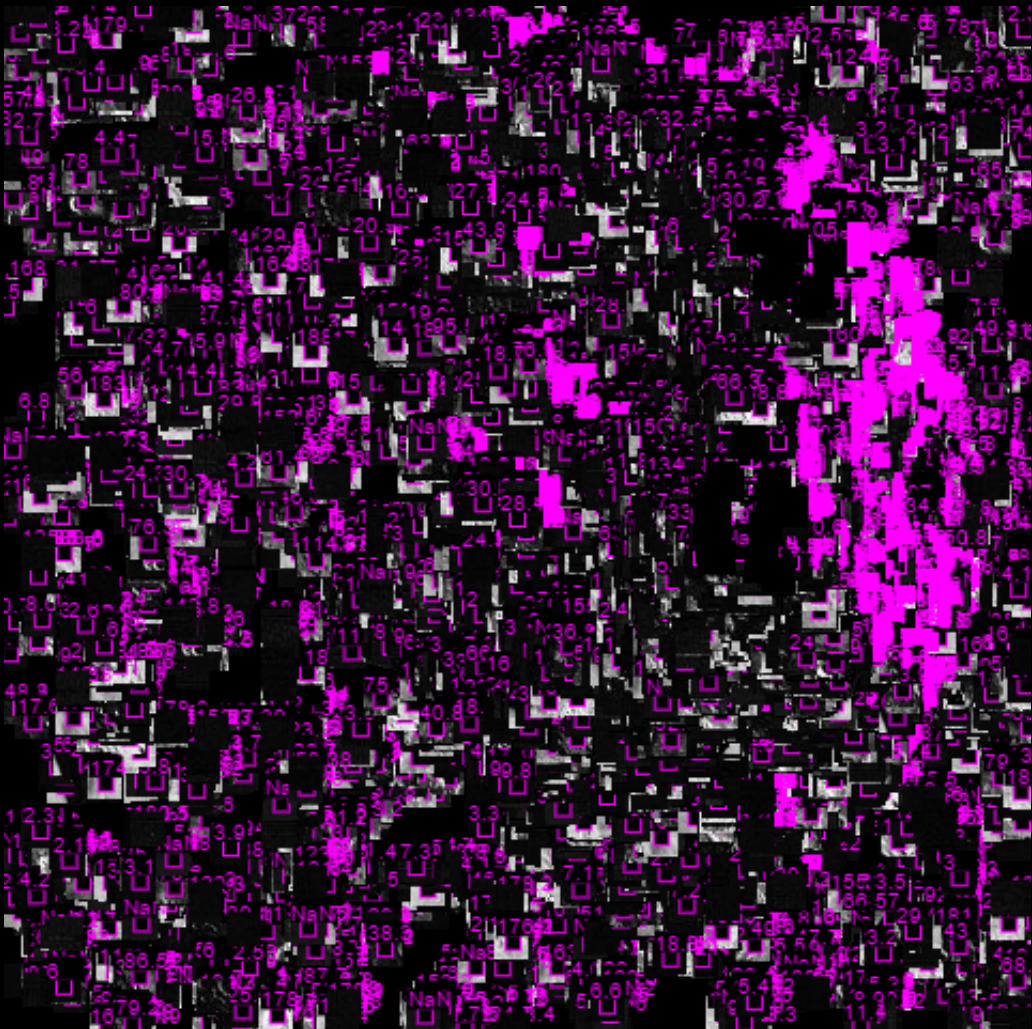
1812 solvers
tolerance 16



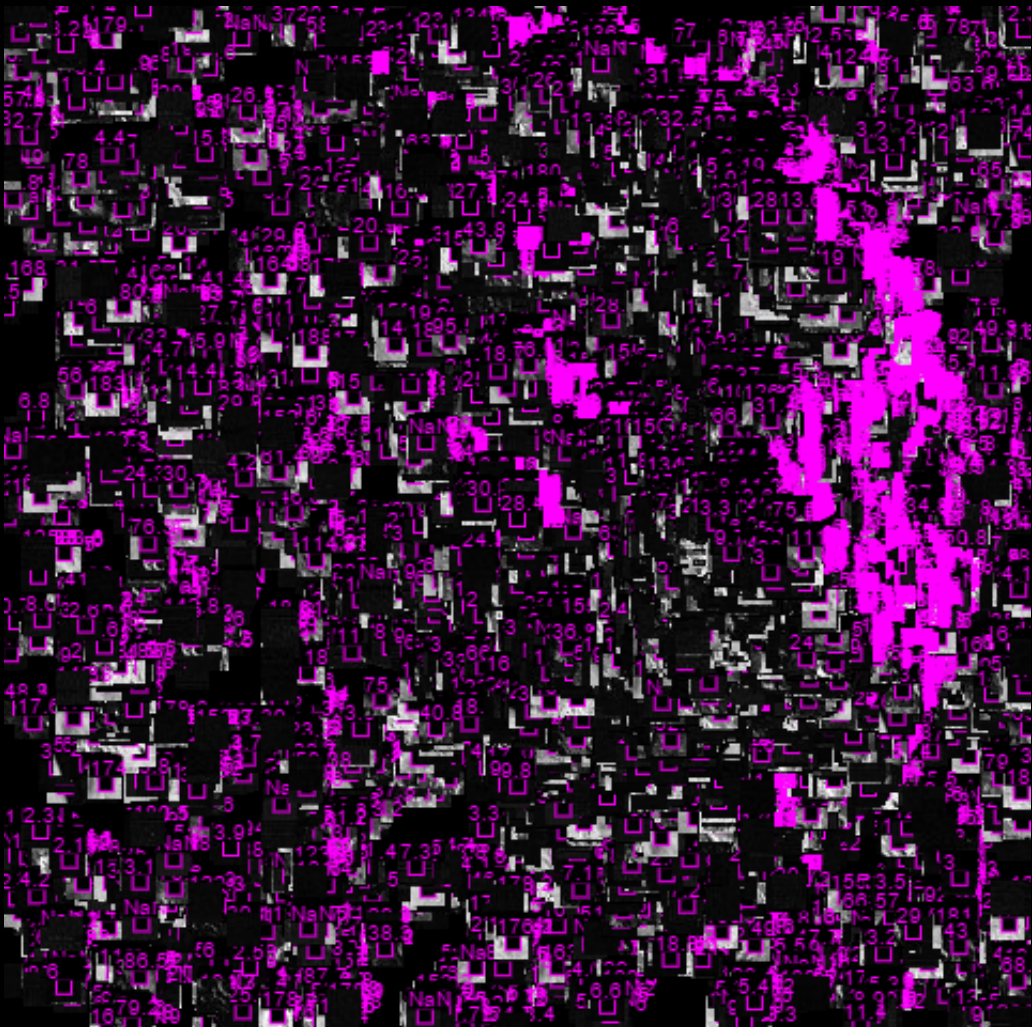
1740 solvers
tolerance 16



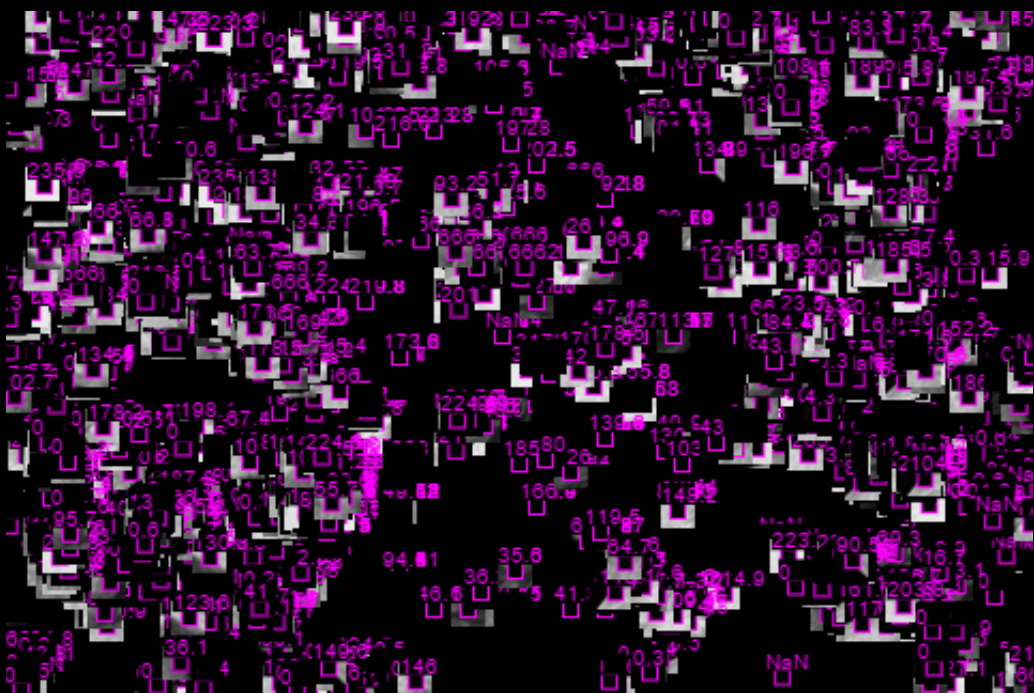
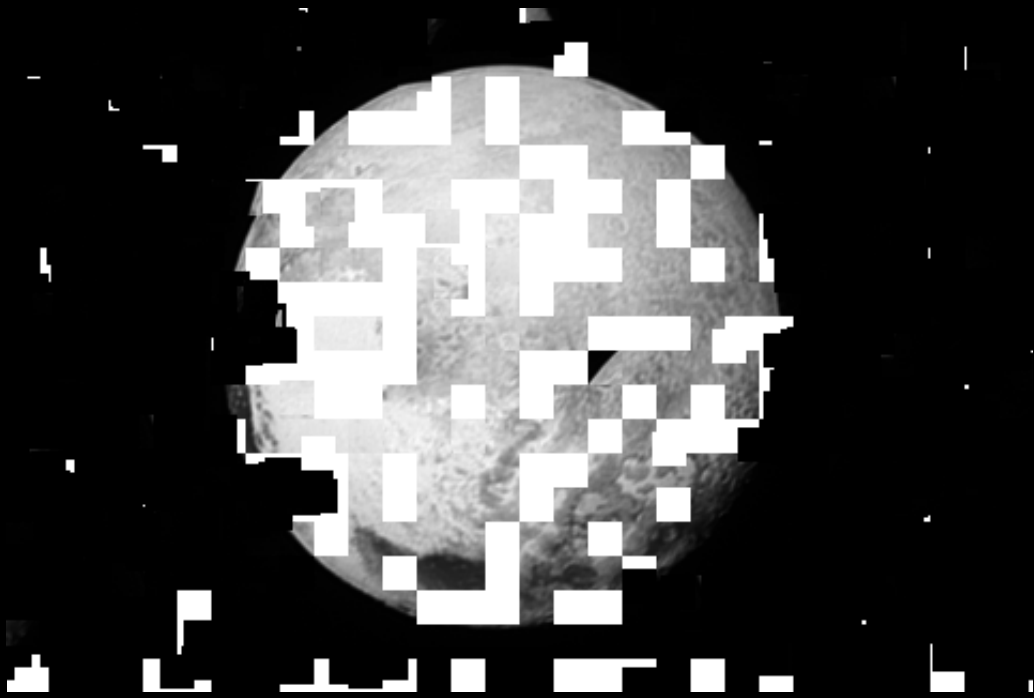
1405 solvers
tolerance 16



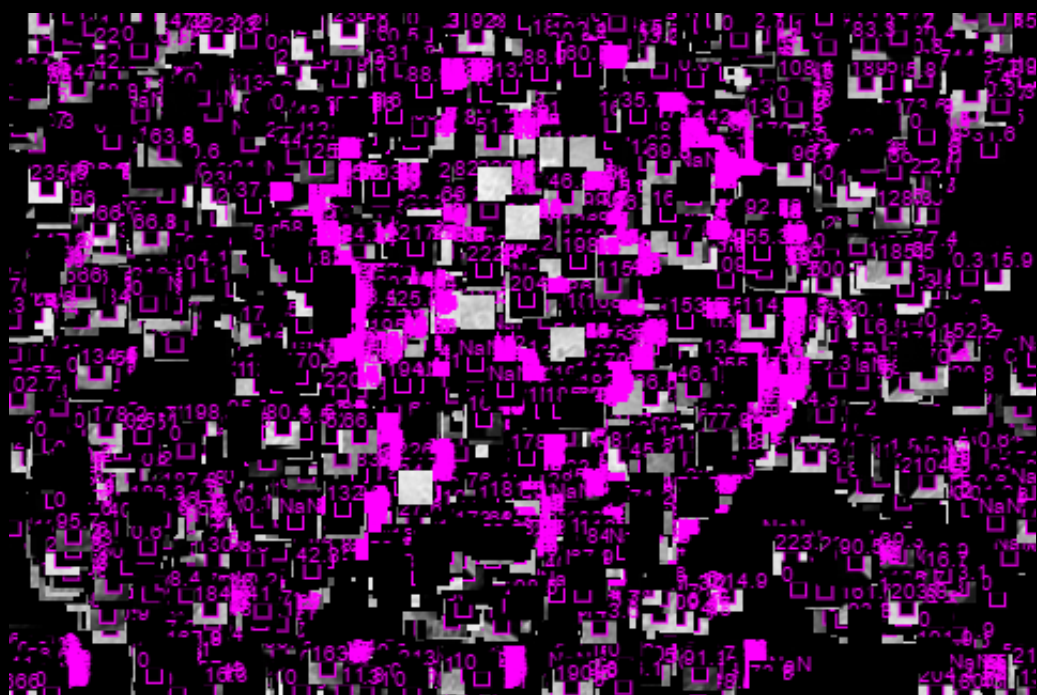
962 solvers
tolerance 16



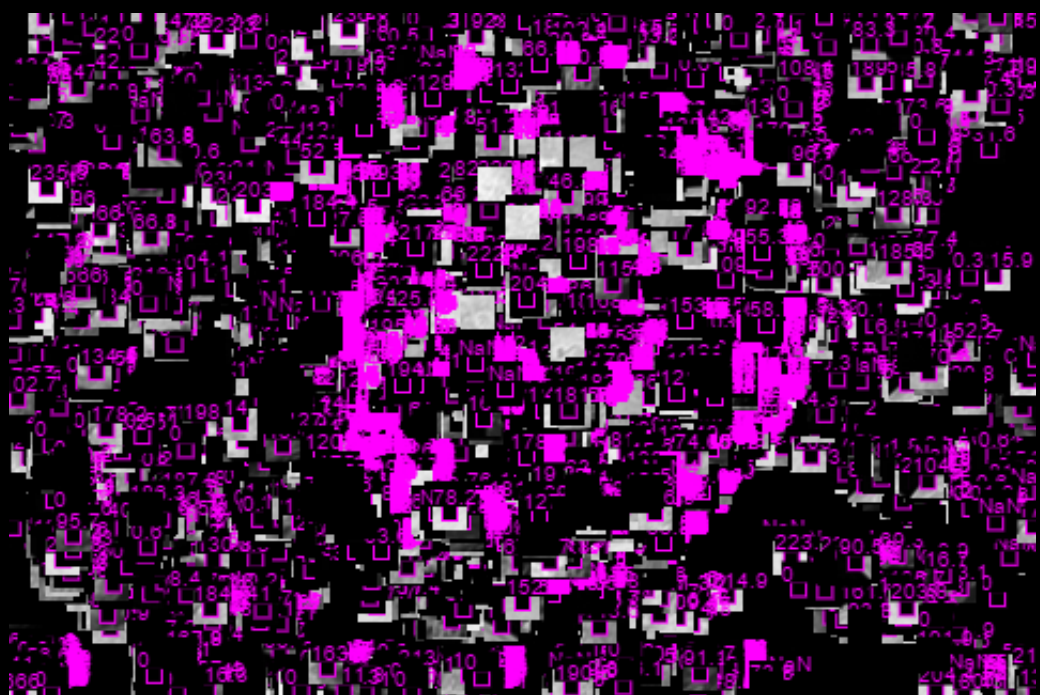
0 solvers
tolerance 16



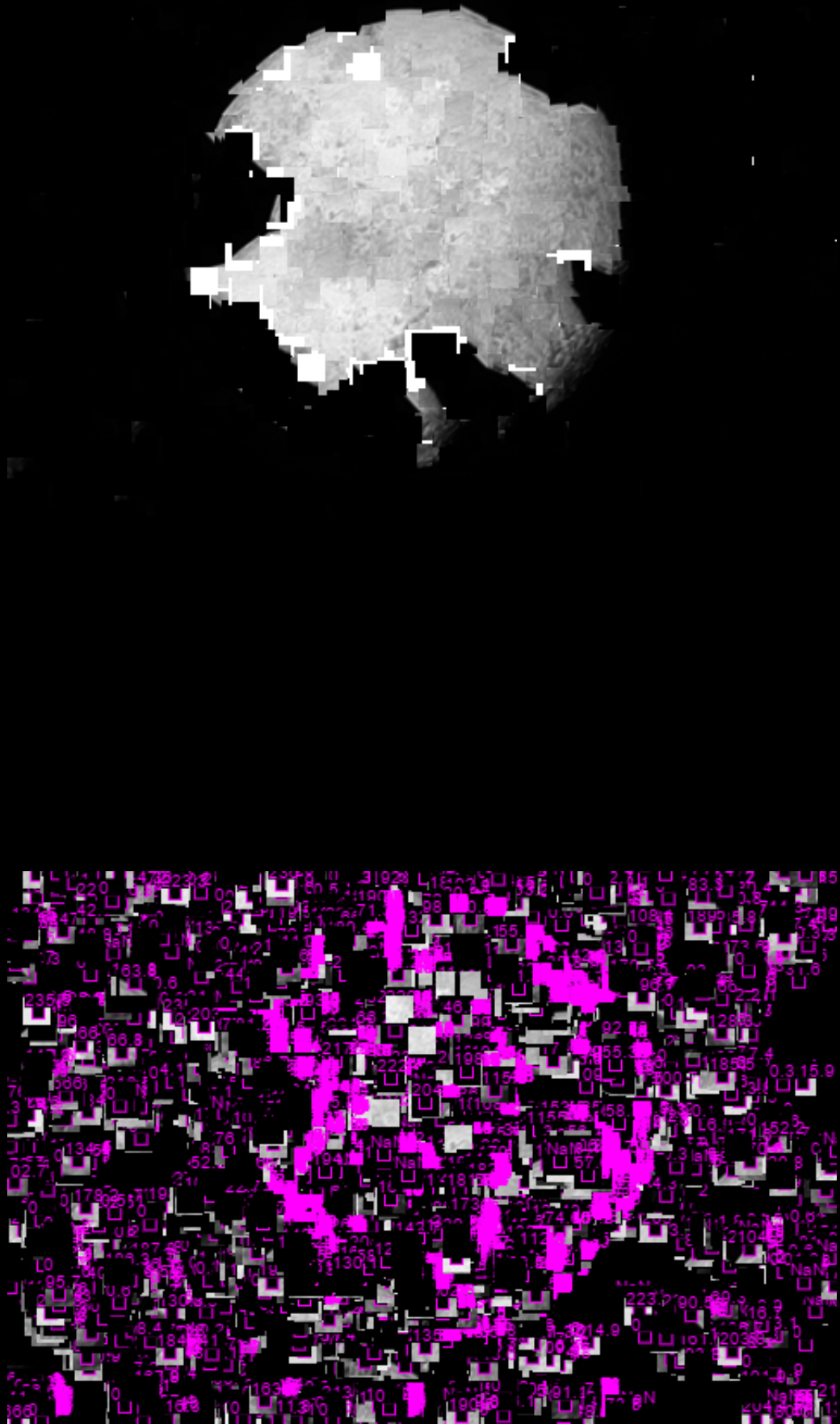
859 solvers
tolerance 16



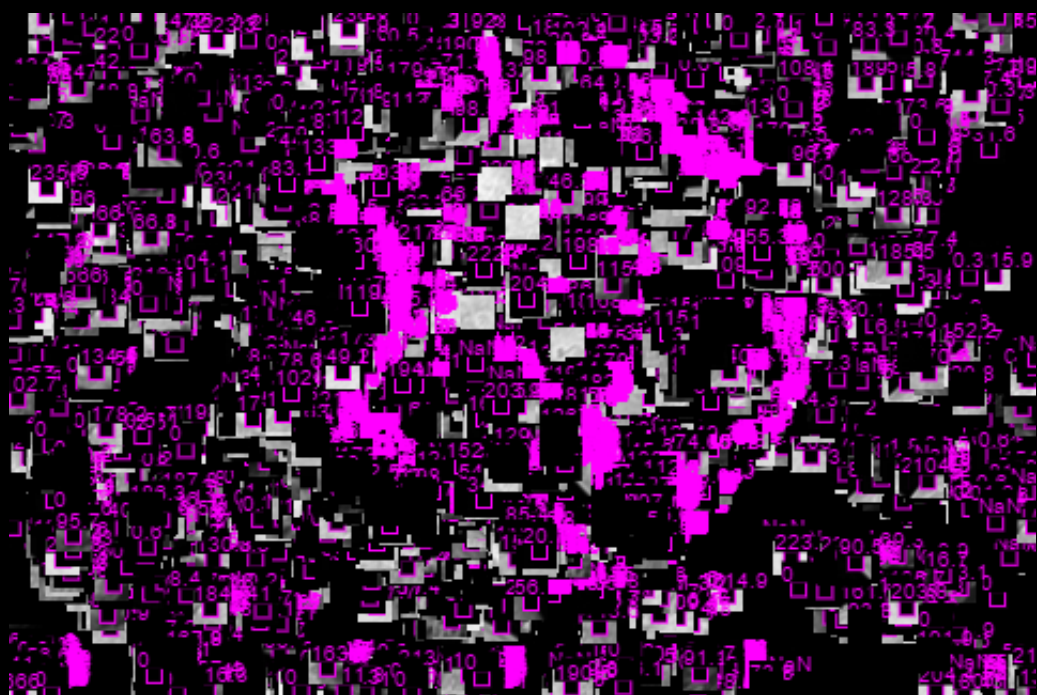
997 solvers
tolerance 16



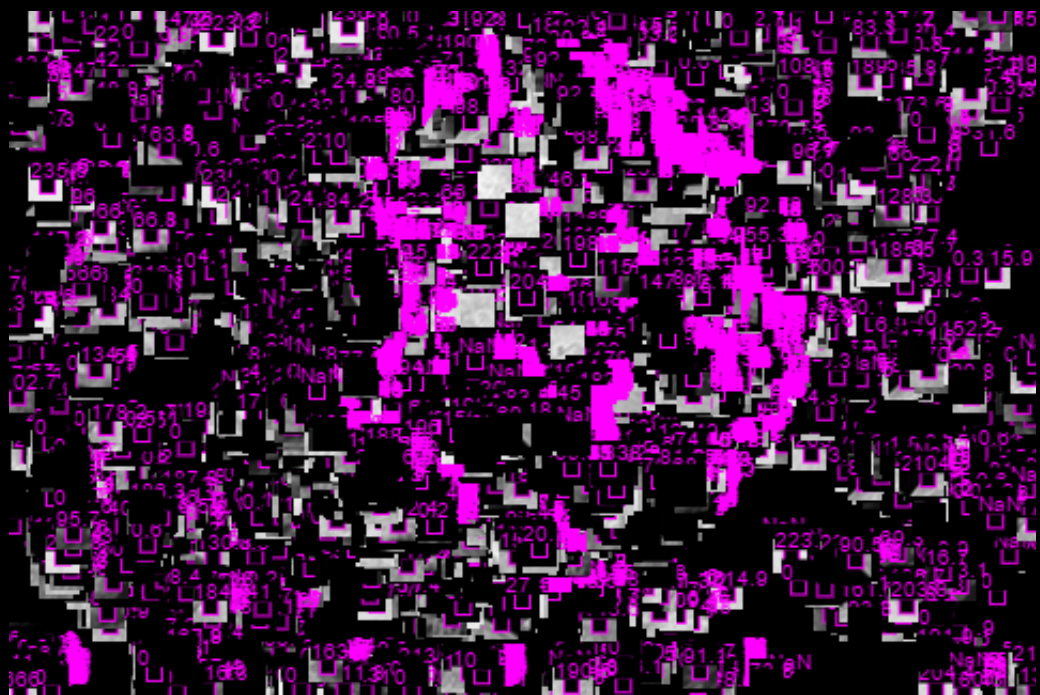
849 solvers
tolerance 16



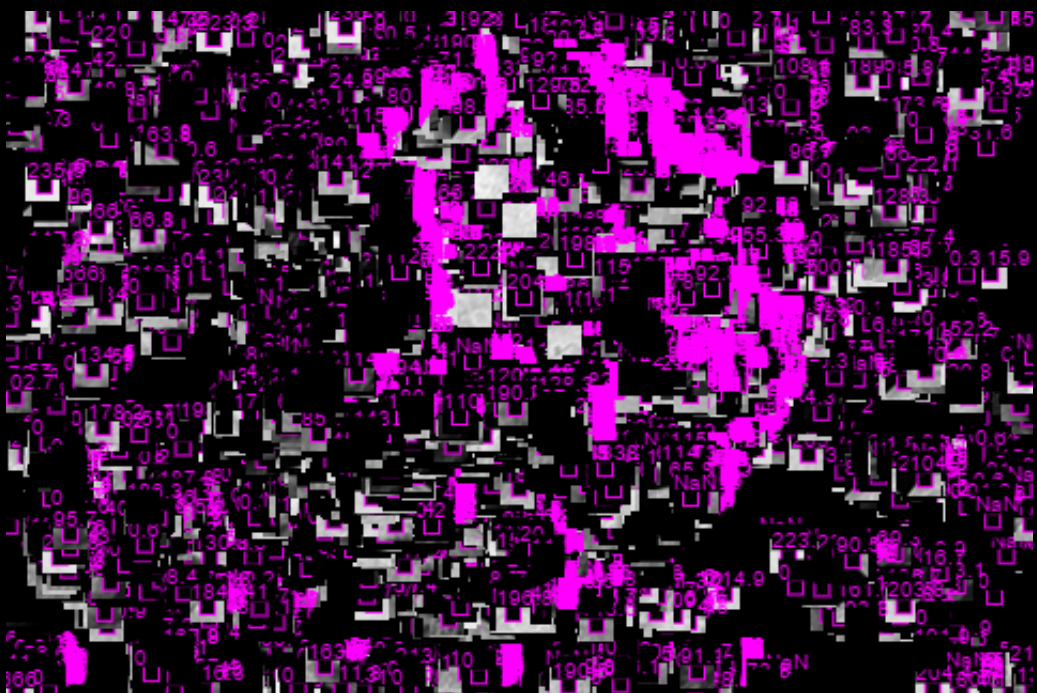
955 solvers
tolerance 16



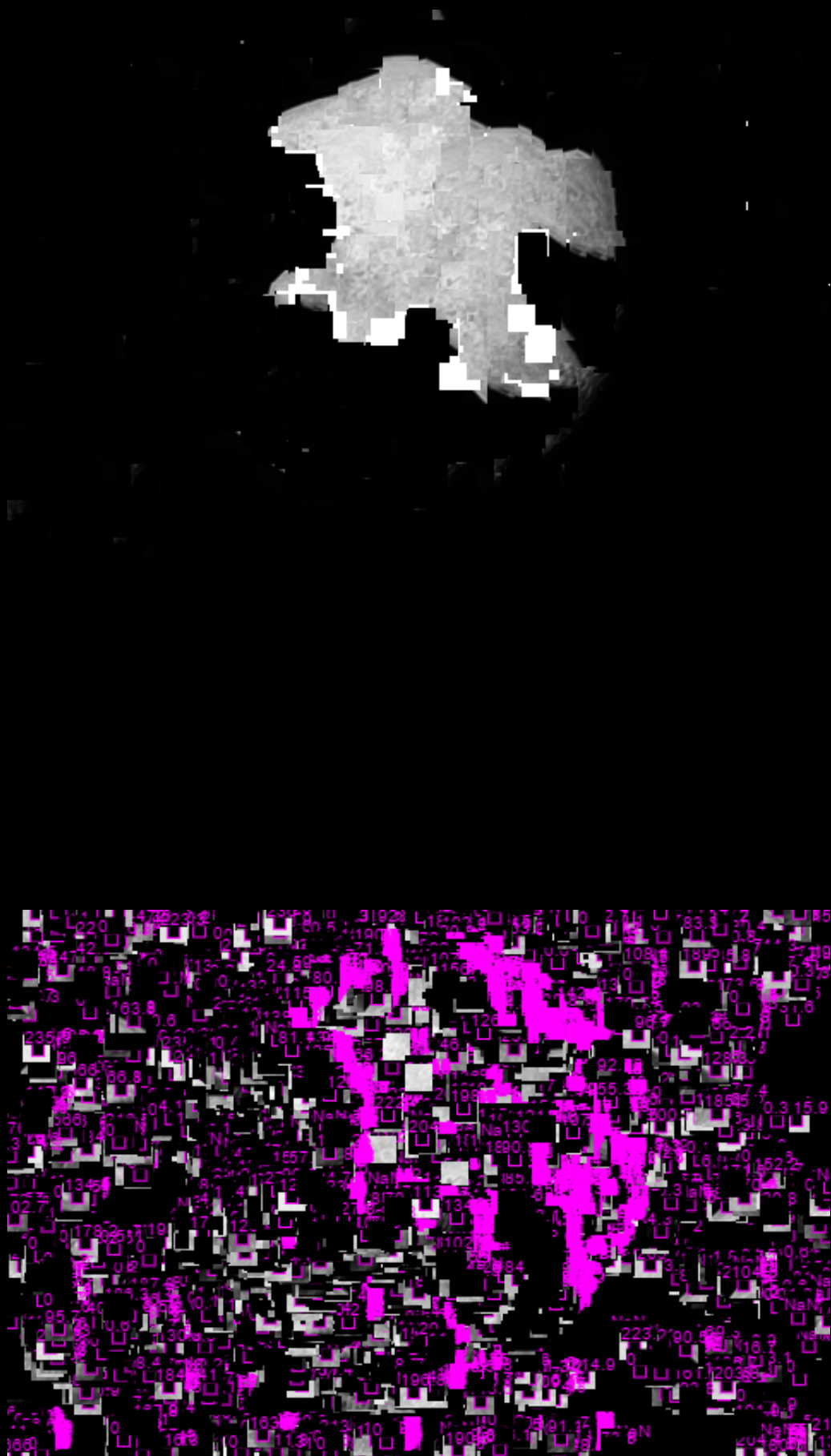
929 solvers
tolerance 16



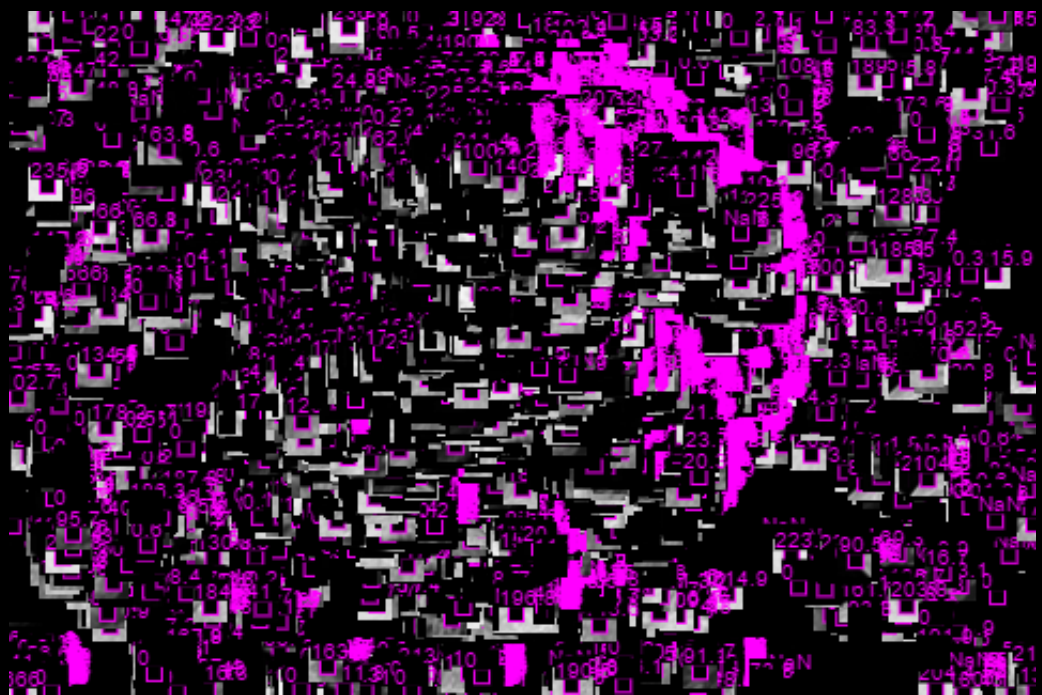
834 solvers
tolerance 16



657 solvers
tolerance 16



933 solvers
tolerance 16



0 solvers
tolerance 16

III

how to build a spacecraft

the spacecraft has to guard against extreme temperatures, hard radiation from the sun, and tiny meteorites, yet it must have the flexibility to allow one to function as they would in their natural Earth environment.

deep fields of dust into which a spacecraft might sink; a labyrinth of "fairy castles"

i.

how to climb a set of stairs

00	i climb a step	01
01	i climb a step	02
02	i climb a step	03
03	i descend a step	02
04	i descend a step	01
05	i descend a step	00
06	i climb a step	01
07	i descend a step	00
08	i climb a step	01
09	i climb a step	02
10	i climb a step	03
11	i descend a step	02
12	i climb a step	03
13	i climb a step	04
14	i climb a step	05
15	i have reached the top	05

step

ii.

how to cook a meal

```
00 x xxxxxx xx xxxxxxxxxxxxxx01 x 00
xxxxxx xx xxxxxxxxxxxxxx02 x xxxxx 00
xxx xxxxxxxxxxxxxx03 x xxxxxx xxx 00
xxxxxxxxxxxx04 x xxxxx xxx 00
xxxxxxxxxxxx05 x xxx_xx xx 00
xxxxxxxxxxxx06 x xxx_xx xx 00
xxxxxxxxxx07 x xxxxxx xx 00
xxxxxxxxxxxx08 x xxxx_xx xxx 00
xxxxxxxxxx09 x xxx xxx xxxxxxxx 00
xx xxx xxxxxxxxxxxxxx10 x xxxx_xx 00
xxx xxxxxxxxxxxxxx11 x xxxxxx xxx 00
xxxxxxxxxxxx12 x xxxx_xxx xxx 00
xxxxxxxxxxx13 x xxxxx xxx 00
xxxxxxxxxxxx14 x xxxx_xx xxx 00
xxxxxxxxxxx15 x xxxxxx xx 00
xxxxxxxxxxx16 x xxx_xx xx 00
xxxxxxxxxxx17 x xxxxxx xx 00
xxxxxxxxxxx18 x xxx xxx xxxxxx xx 00
xxx xxxxxxxxxxxxxx19 x xxxxxx xx 00
xxxxxxxxxxx20 x xxxx_xxx xxx 00
xxxxxxxxxxx 00
```


iii.

how to bathe oneself

00	i remove my right sock	00
01	i lie_in the bathtub	00
02	i turn_on the faucet	00
03	i get_out_of the bathtub	01
04	i remove my shirt	02
05	i put_on my right sock	03
06	i turn_off the faucet	04
07	i remove my pants	04
08	i remove my left sock	04
09	i put_on my shirt	04
10	i put_on my left sock	04
11	i turn_on the faucet	04
11	the water overflows the tub	05
12	i remove my left sock	05
13	i put_on my left sock	06
14	i remove my left sock	07
15	i put_on my left sock	08
16	i remove my left sock	09
17	i put_on my left sock	10
18	i put_on my pants	11
19	i remove my shirt	12
20	i remove my right sock	13

iv.

how to dig a hole in the ground

00	i get_in the hole	00
01	i get_out_of the hole	00
02	i get_in the hole	00
03	i dig_in the hole	01
04	i get_out_of the hole	01
05	i get_in the hole	01
06	i get_out_of the hole	01
07	i get_in the hole	01
08	i dig_in the hole	02
09	i dig_in the hole	03
10	i dig_in the hole	04
11	i dig_in the hole	05
11	the hole is too deep to	06
	exit	07
13	i dig_in the hole	08
14	i dig_in the hole	09
15	i dig_in the hole	10
16	i dig_in the hole	11
17	i dig_in the hole	12
18	i dig_in the hole	13
19	i dig_in the hole	14
20	i dig_in the hole	

v.

how to exit through a door

0000	i stand within a room	00	00
0000	i walk west into a wall	00	00
0001	i walk west into a wall	00	00
0002	i walk west into a wall	00	00
0003	i walk east	01	00
0004	i walk east	02	00
0005	i walk west	01	00
0006	i walk west	00	00
0007	i walk west into a wall	00	00
0008	i walk east	01	00
0009	i walk west	00	00
0010	i walk east	01	00
0011	i walk east	02	00
0012	i walk north into a wall	02	00
0013	i walk west	01	00
0014	i walk west	00	00
0015	i walk west into a wall	00	00
0016	i walk east	01	00
0017	i walk east	02	00
0018	i walk south	02	01
0019	i walk east	03	01
0020	i walk south	03	02
0021	i walk west	02	02
0022	i walk north	01	02
0023	i walk west	00	02
0024	i walk west into a wall	00	02
0025	i walk west into a wall	00	02
0026	i walk east	01	02
0027	i walk east	02	02
0028	i walk north	01	02
0029	i walk west	00	02
0030	i walk west into a wall	00	02
0031	i walk north	01	02
0032	i walk east	02	02

0033	i	walk	south			02	03
0034	i	walk	south	into	a wall	02	03
0035	i	walk	south	into	a wall	02	03
0036	i	walk	east			03	03
0037	i	walk	north			02	03
0038	i	walk	south	into	a wall	02	03
0039	i	walk	south	into	a wall	02	03
0040	i	walk	south	into	a wall	02	03
0041	i	walk	south	into	a wall	02	03
0042	i	walk	north			02	03
0043	i	walk	west			01	03
0044	i	walk	north			02	03
0045	i	walk	south	into	a wall	02	03
0046	i	walk	south	into	a wall	02	03
0047	i	walk	east			03	03
0048	i	walk	south	into	a wall	03	03
0049	i	walk	north			02	03
0050	i	walk	north			02	03
0051	i	walk	west			01	03
0052	i	walk	east			02	03
0053	i	walk	east			03	03
0054	i	walk	north			02	03
0055	i	walk	south	into	a wall	02	03
0056	i	walk	south	into	a wall	02	03
0057	i	walk	north			02	03
0058	i	walk	north			02	03
0059	i	walk	south	into	a wall	02	03
0060	i	walk	north			02	03
0061	i	walk	south	into	a wall	02	03
0062	i	walk	west			01	03
0063	i	walk	west			00	03
0064	i	walk	north			02	03
0065	i	walk	south	into	a wall	02	03
0066	i	walk	east			03	03
0067	i	walk	west			02	03
0068	i	walk	east			03	03
0069	i	walk	west			02	03
0070	i	walk	south	into	a wall	02	03
0071	i	walk	west			01	03
0072	i	walk	west			00	03
0073	i	walk	south	into	a wall	00	03
0074	i	walk	west	into	a wall	00	03
0075	i	walk	north			02	03
0076	i	walk	south	into	a wall	02	03
0077	i	walk	south	into	a wall	02	03
0078	i	walk	north			02	03
0079	i	walk	north			02	03
0080	i	walk	west			01	03

0081	i walk south into a wall	01	03
0082	i walk south into a wall	01	03
0083	i walk north	02	03
0084	i walk west	01	03
0085	i walk south into a wall	01	03
0086	i walk north	02	03
0087	i walk east	03	03
0088	i walk west	02	03
0089	i walk north	02	03
0090	i walk west	01	03
0091	i walk east	02	03
0092	i walk west	01	03
0093	i walk north	02	03
0094	i walk west	01	03
0095	i walk east	02	03
0096	i walk east	03	03
0097	i walk east	04	03
0098	i walk north	02	03
0099	i walk south into a wall	02	03
0100	i walk west	01	03
0101	i walk west	00	03
0102	i walk east	01	03
0103	i walk north	02	03
0104	i walk south into a wall	02	03
0105	i walk east	03	03
0106	i walk south into a wall	03	03
0107	i walk east	04	03
0109	i open the door	04	03
0109	i walk south into a wall	04	03
0111	i close the door	04	03
0112	i open the door	04	03
0113	i close the door	04	03
0114	i open the door	04	03
0115	i close the door	04	03
0116	i open the door	04	03
0117	i close the door	04	03
0117	i walk south into a wall	04	03
0119	i open the door	04	03
0120	i close the door	04	03
0120	i walk west	03	03
0121	i walk north	02	03
0122	i walk east	03	03
0123	i walk north	02	03
0124	i walk east	03	03
0125	i walk east	04	03
0126	i walk north	02	03
0127	i walk east	03	03
0128	i walk north	02	03

0129	i walk north	02 03
0130	i walk south into a wall	02 03
0131	i walk west	01 03
0132	i walk north	02 03
0133	i walk west	01 03
0134	i walk north	02 03
0135	i walk east	03 03
0136	i walk north	02 03
0137	i walk west	01 03
0138	i walk west	00 03
0139	i walk north	02 03
0140	i walk south into a wall	02 03
0141	i walk east	03 03
0142	i walk south into a wall	03 03
0143	i walk west	02 03
0144	i walk east	03 03
0145	i walk east	04 03
0146	i walk north	02 03
0147	i walk south into a wall	02 03
0148	i walk south into a wall	02 03
0149	i walk east	03 03
0150	i walk west	02 03
0151	i walk west	01 03
0152	i walk north	02 03
0153	i walk north	02 03
0154	i walk north	02 03
0155	i walk south into a wall	02 03
0156	i walk east	03 03
0157	i walk east	04 03
0158	i walk north	02 03
0159	i walk north	02 03
0160	i walk south into a wall	02 03
0161	i walk north	02 03
0162	i walk east	03 03
0163	i walk north	02 03
0164	i walk north	02 03
0165	i walk north	02 03
0166	i walk east	03 03
0167	i walk south into a wall	03 03
0168	i walk north	02 03
0169	i walk north	02 03
0170	i walk north	02 03
0171	i walk east	03 03
0172	i walk south into a wall	03 03
0173	i walk east	04 03
0175	i open the door	04 03
0175	i walk south into a wall	04 03
0177	i close the door	04 03

0178	i	open the door	04	03
0179	i	close the door	04	03
0179	i	walk east into the	04	03
		closed door	04	03
0181	i	open the door	03	03
0181	i	walk west	02	03
0182	i	walk north	02	03
0183	i	walk south into a wall	01	03
0184	i	walk west	02	03
0185	i	walk east	03	03
0186	i	walk east	02	03
0187	i	walk west	02	03
0188	i	walk north	02	03
0189	i	walk south into a wall	02	03
0190	i	walk north	02	03
0191	i	walk north	02	03
0192	i	walk south into a wall	02	03
0193	i	walk south into a wall	01	03
0194	i	walk west	00	03
0195	i	walk west	01	03
0196	i	walk east	00	03
0197	i	walk west	00	03
0198	i	walk west into a wall	00	03
0199	i	walk south into a wall	02	03
0200	i	walk north	03	03
0201	i	walk east	04	03
0202	i	walk east	04	03
0204	i	close the door	04	03
0205	i	open the door	03	03
0205	i	walk west	04	03
0206	i	walk east	03	03
0207	i	walk west	02	03
0208	i	walk west	02	03
0209	i	walk north	01	03
0210	i	walk west	01	03
0211	i	walk south into a wall	01	03
0212	i	walk south into a wall	02	03
0213	i	walk east	03	03
0214	i	walk east	03	03
0215	i	walk south into a wall	02	03
0216	i	walk west	03	03
0217	i	walk east	02	03
0218	i	walk west	02	03
0219	i	walk north	02	03
0220	i	walk south into a wall	02	03
0221	i	walk north	03	03
0222	i	walk east	04	03
0223	i	walk east	04	03

0225	i close the door	04	03
0226	i open the door	04	03
0226	i walk south into a wall	04	03
0228	i close the door	02	03
0228	i walk north	02	03
0229	i walk north	02	03
0230	i walk south into a wall	03	03
0231	i walk east	04	03
0232	i walk east	04	03
0233	i walk south into a wall	04	03
0234	i walk east into the	04	03
	closed door	04	03
0236	i open the door	04	03
0237	i close the door	03	03
0238	i open the door	03	03
0238	i walk west	03	03
0239	i walk south into a wall	03	03
0240	i walk south into a wall	02	03
0241	i walk south into a wall	03	03
0242	i walk north	04	03
0243	i walk east	02	03
0244	i walk east	01	03
0245	i walk north	00	03
0246	i walk west	01	03
0247	i walk west	02	03
0248	i walk east	02	03
0249	i walk north	03	03
0250	i walk south into a wall	03	03
0251	i walk east	04	03
0252	i walk south into a wall	04	03
0253	i walk east	04	03
0255	i close the door	04	03
0255	i walk south into a wall	04	03
0256	i walk south into a wall	02	03
0257	i walk east into the	02	03
	closed door	03	03
0258	i walk north	04	03
0259	i walk north	04	03
0260	i walk east	04	03
0261	i walk east	04	03
0263	i open the door	04	03
0264	i close the door	04	03
0265	i open the door	02	03
0266	i close the door	03	03
0267	i open the door	02	03
0267	i walk north	02	03
0268	i walk east	03	03
0269	i walk north	02	03

0270	i walk north	03	03
0271	i walk east	02	03
0272	i walk north	02	03
0273	i walk east	03	03
0274	i walk west	02	03
0275	i walk south into a wall	03	03
0276	i walk east	04	03
0277	i walk west	05	03
0278	i walk east		
0279	i walk east		
0280	i exit through the door		

notes

charts of unknown stars

this uses a set of star charts from a public domain astronomy book as source material. it slices them up into small pieces and then recombines them, attempting to match edges and enforce local order but with no sense for what any of the component pieces mean. the resulting new star chart is full of discontinuities. a second algorithm then attempts to find "stars" within this image. sometimes the stars discovered are actual stars; other times they are floating pieces of text.

forgetting the moon

this uses a different version of the same image recombining in a process which mimics human memory. it uses photos of planetary bodies as source material. the algorithm starts with an imperfect version of a photograph, and then attempts to fill in the imperfections in its memory by recombining the image. over time this results in incompatibilities between different remembered versions of the image. the disc collapses over time, eventually stabilizing as a noisy uniform field.

how to build a spacecraft

the program takes a set of objects and runs through various possible interactions between them. i'm interested in using this sort of painstaking combinatorial process to examine the substance of everyday life and the nature of being alive and in a body. in the future, i'm interested in doing a series of short films in the same vein as this material.

