

TRAPPIST-1

THE SYSTEM

discovered in 2016
with the transit method
distance 39 light years
constellation Aquarius ($23^{\text{h}}06^{\text{m}}$)

THE STAR

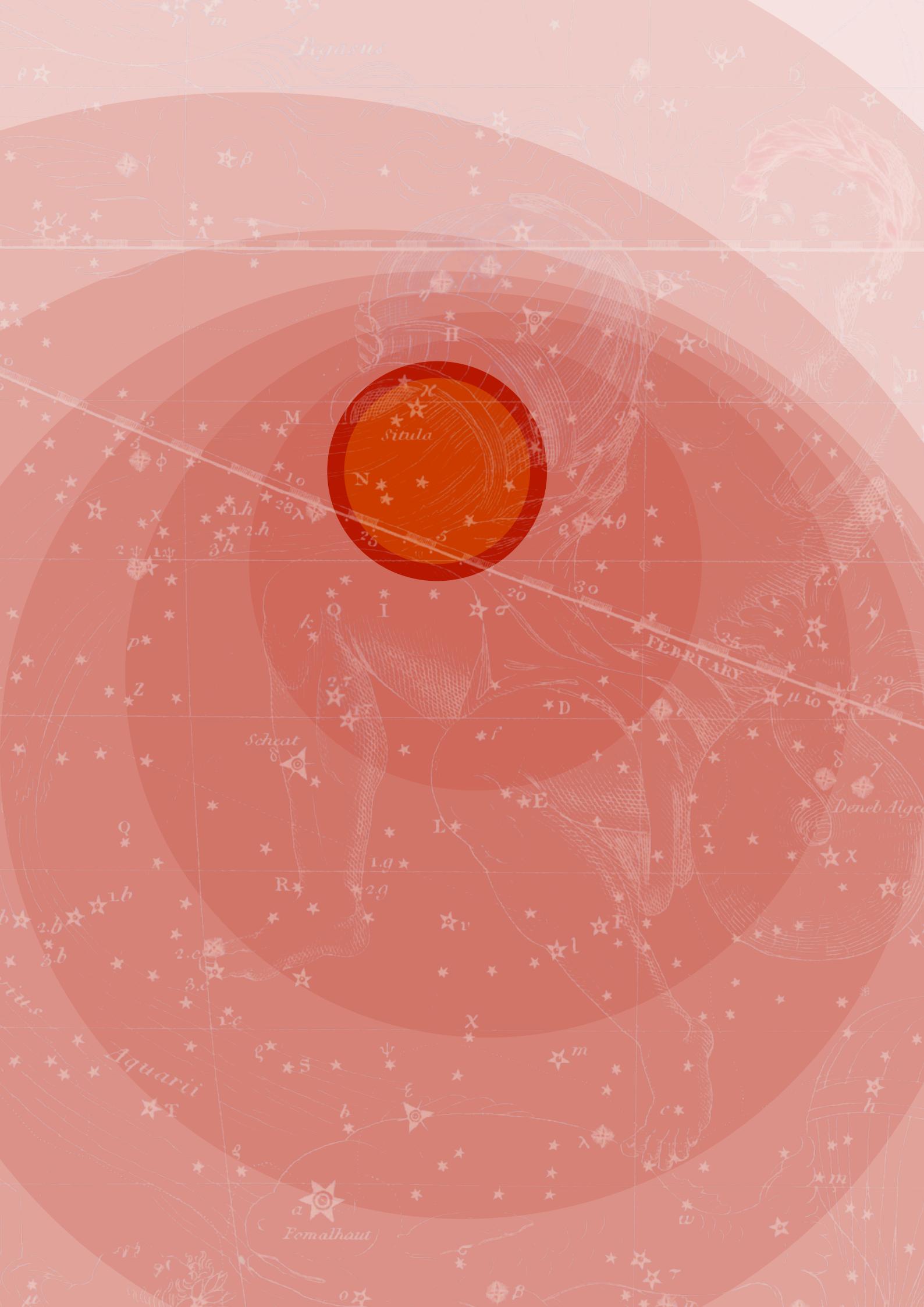
mass	0.09 suns
radius	0.12 suns
temperature	2511 Kelvin
luminosity	0.0005 suns
age	7 billion years

THE PLANETS

	b	c	d	e	f	g	h
distance (au)	0.012	0.016	0.022	0.029	0.038	0.047	0.062
orbit (days)	1.51	2.42	4.05	6.10	9.21	12.4	18.8
mass (earths)	1.02	1.16	0.30	0.77	0.93	1.15	0.33
size (earths)	1.13	1.10	0.79	0.92	1.05	1.15	0.78
eccentricity	0.006	0.007	0.008	0.005	0.010	0.002	0.006
type	rocky						



UNIVERSITY OF
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Pegasus

Aquarii

Fomalhaut

Scheat

FEBRUARY

situla