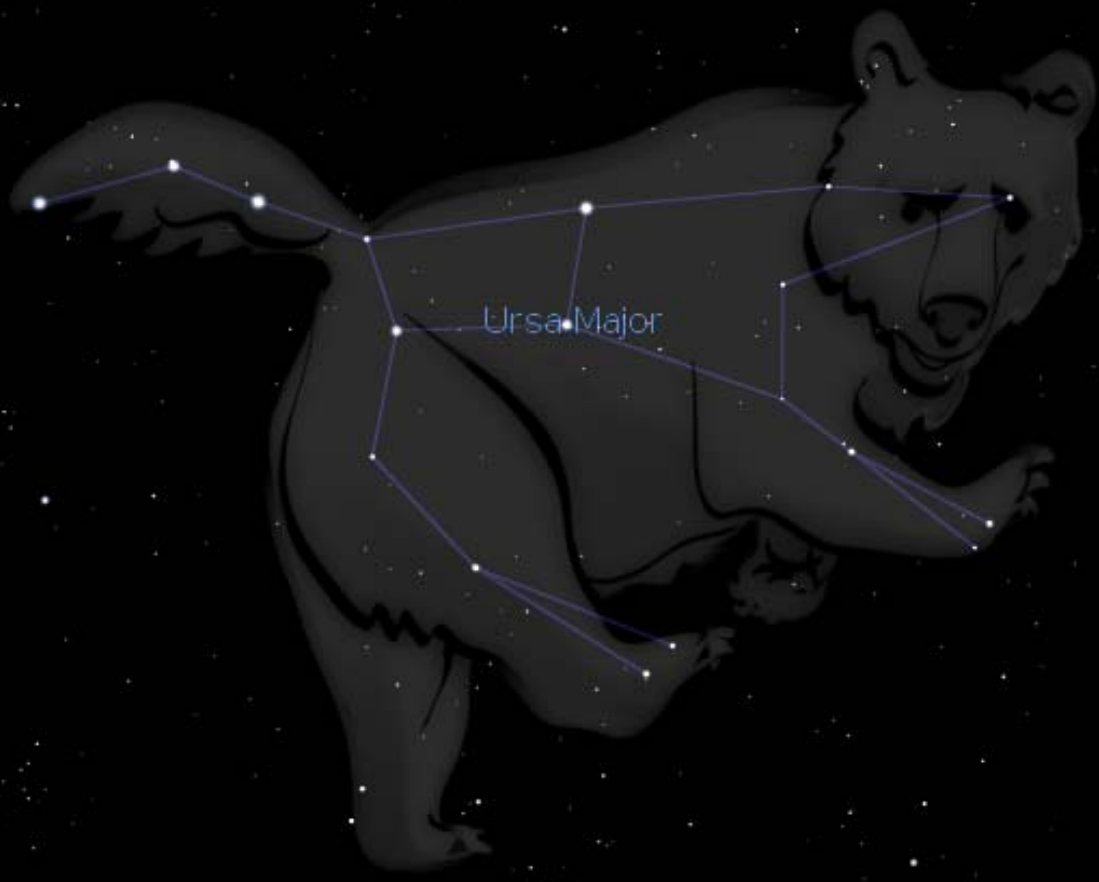


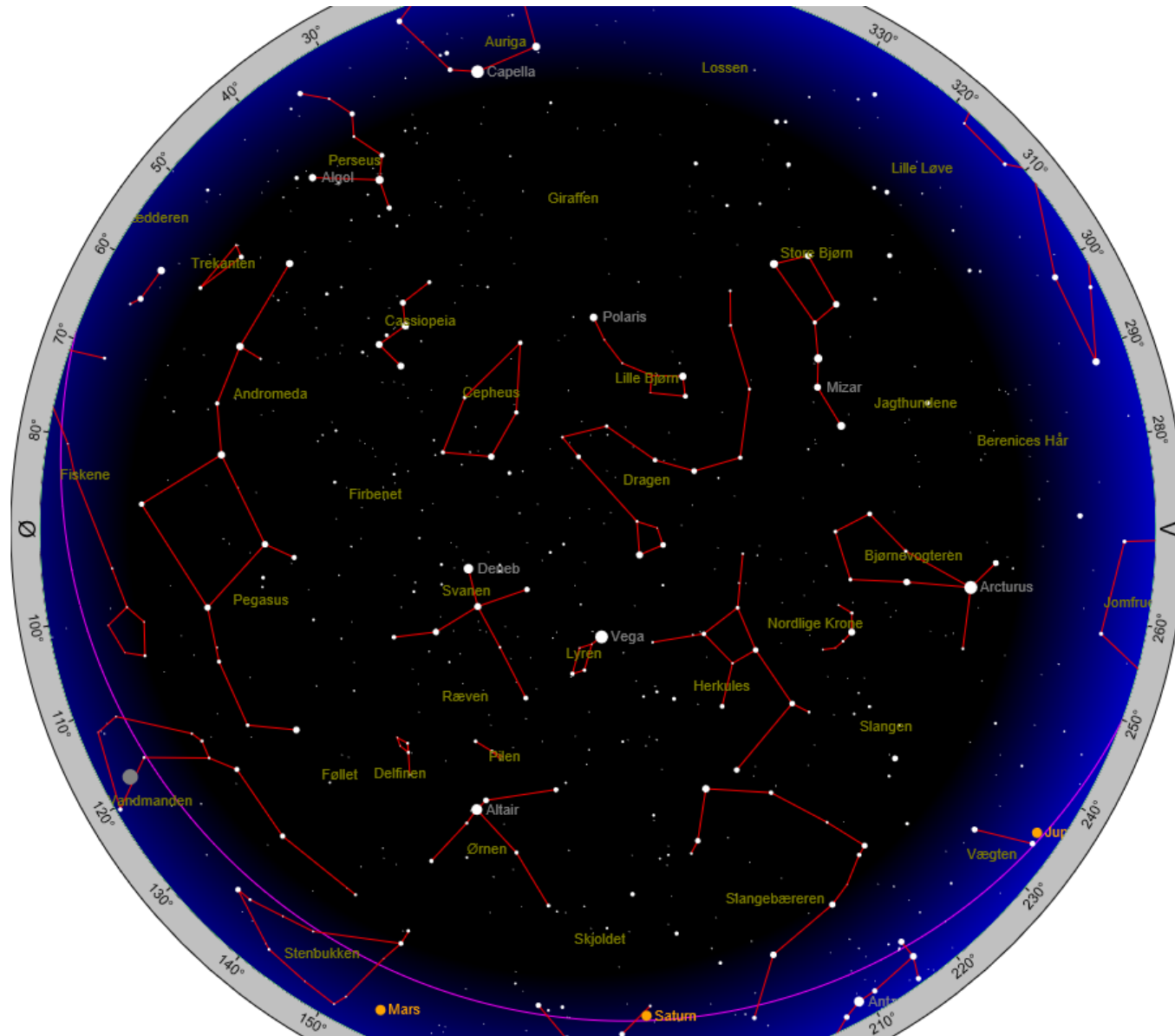


Bootes

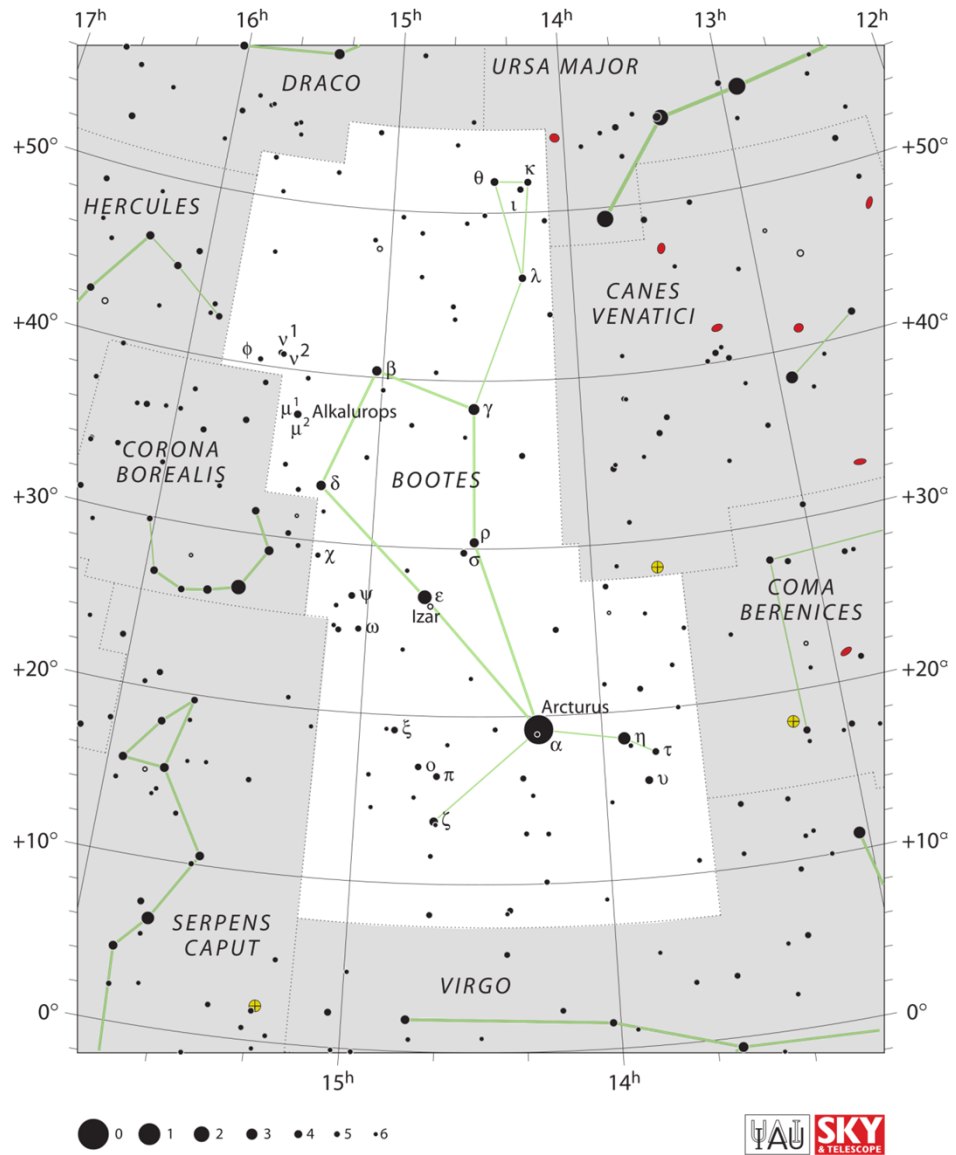
Arcturus

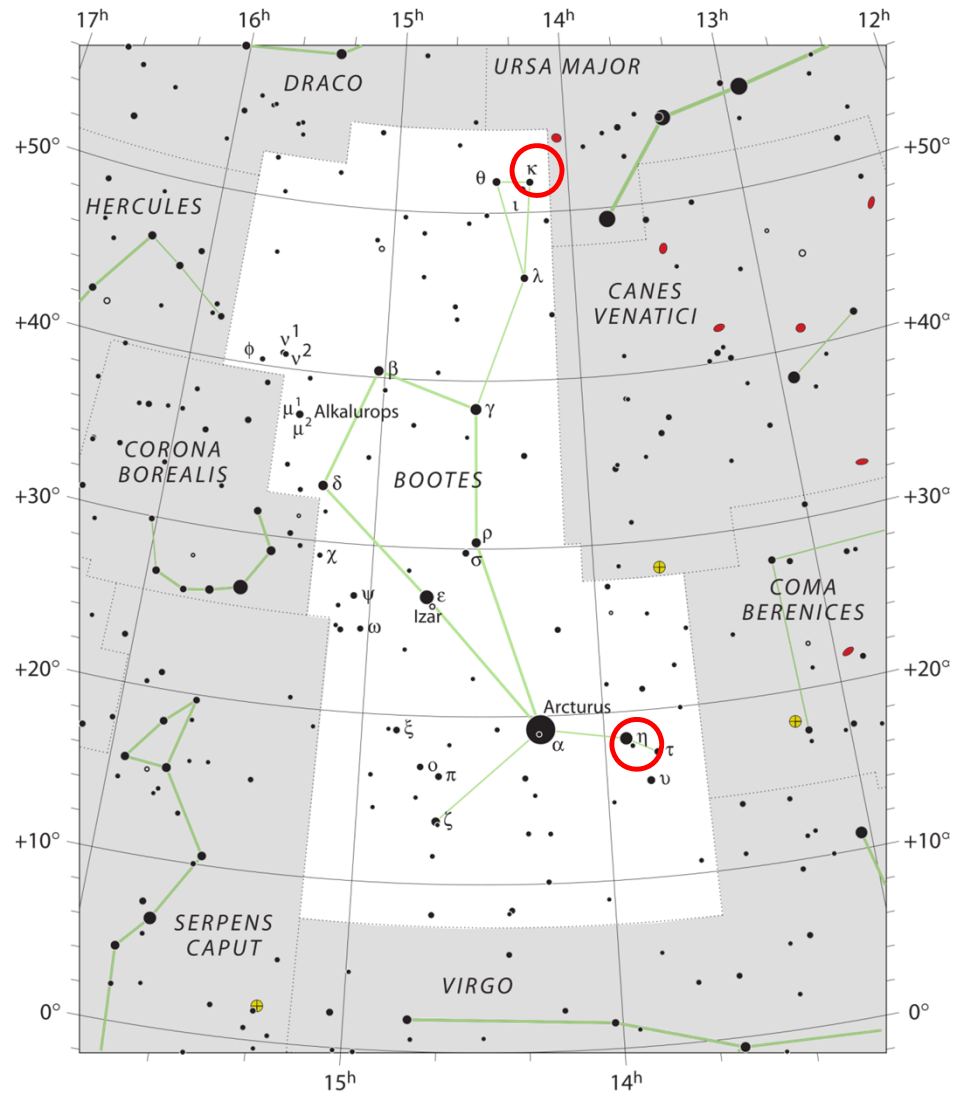


Ursa Major



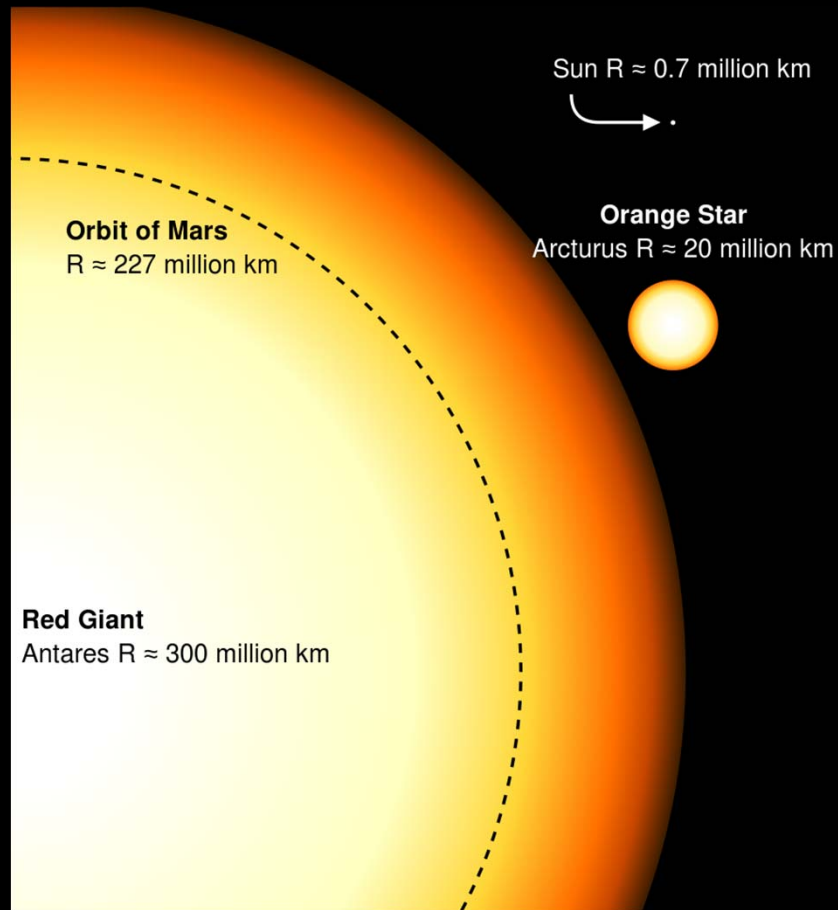


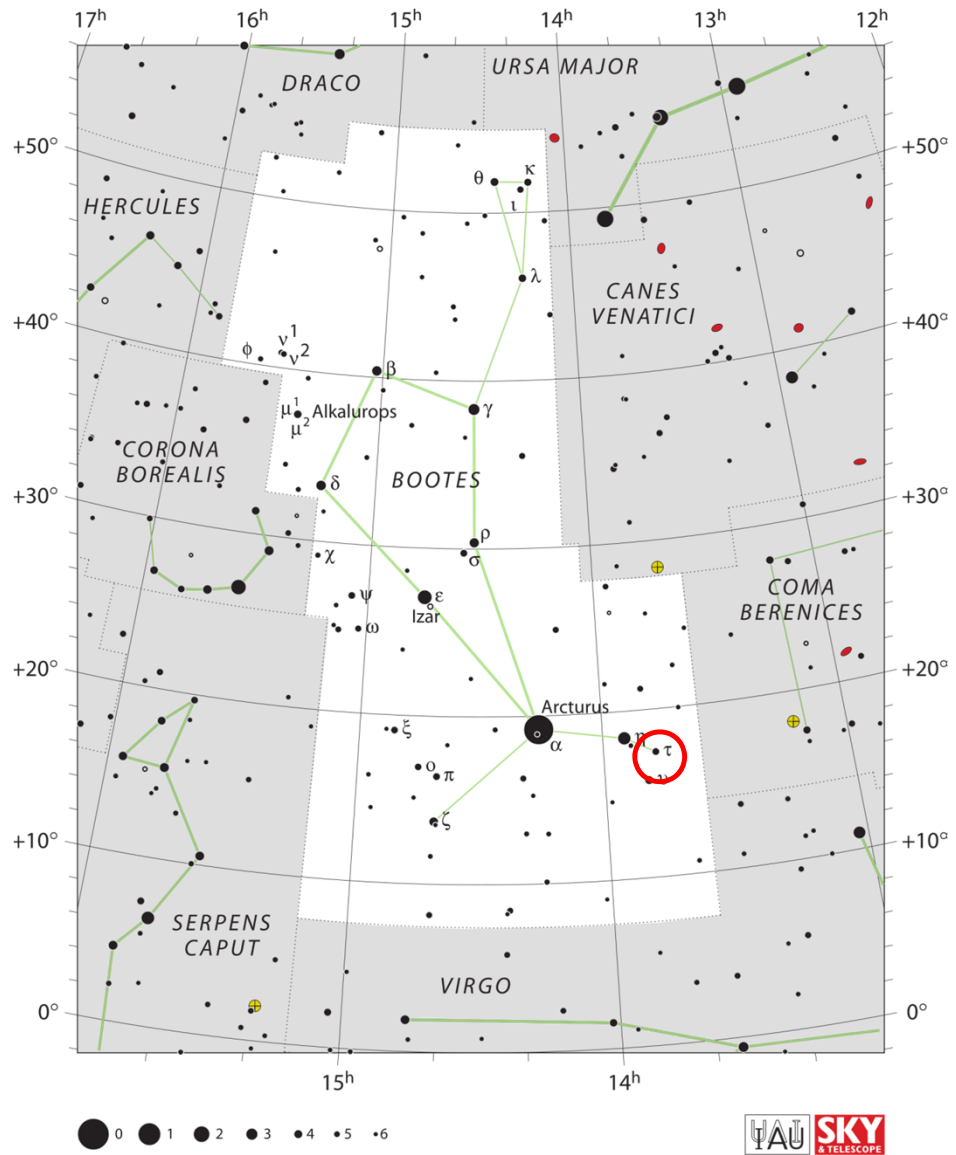




Arcturus

Afstand: 36,7 lysår
Masse: $1,10 M_{\odot}$
Radius: $25,7 R_{\odot}$
Luminositet: $170 L_{\odot}$
Temperatur: 4290 K

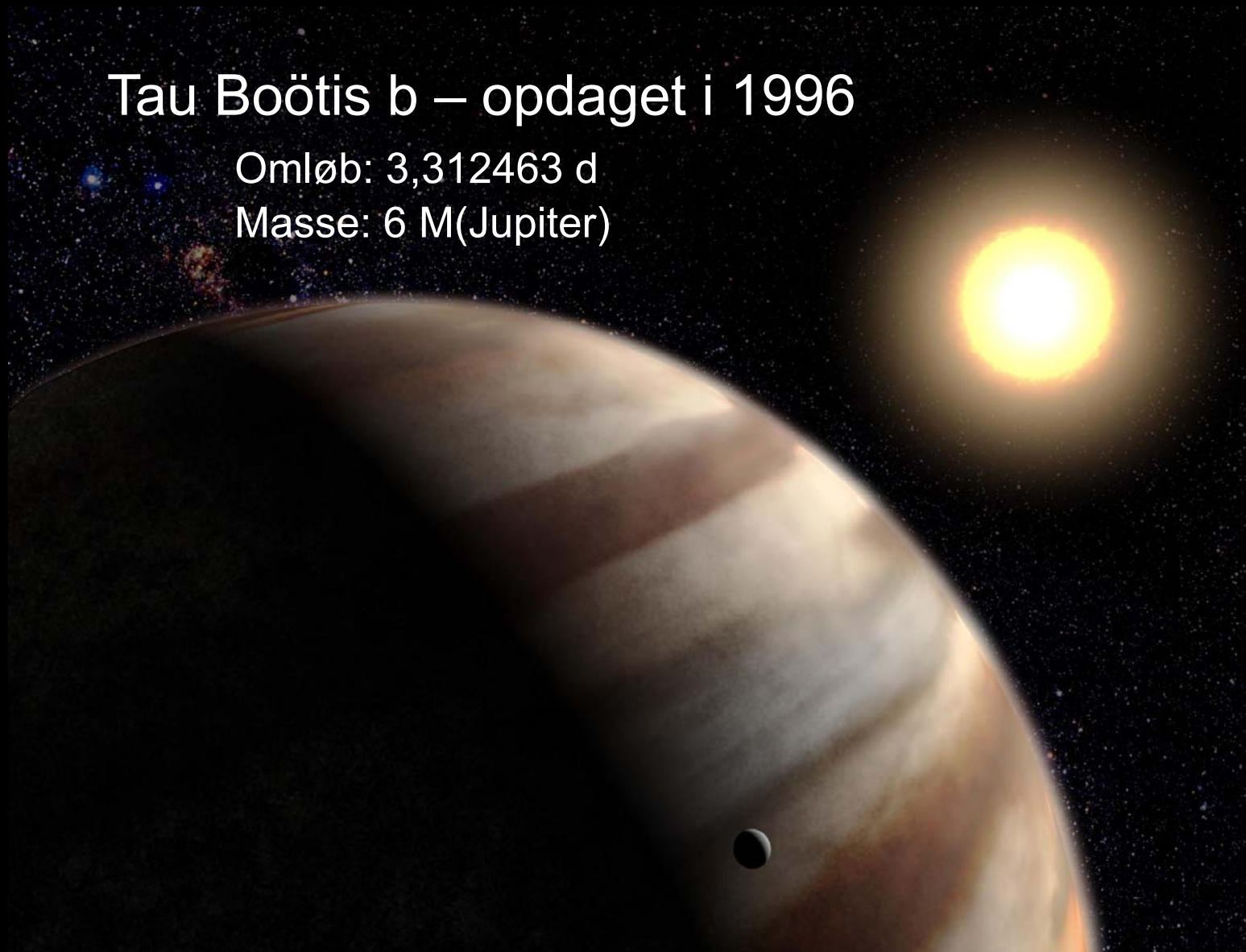




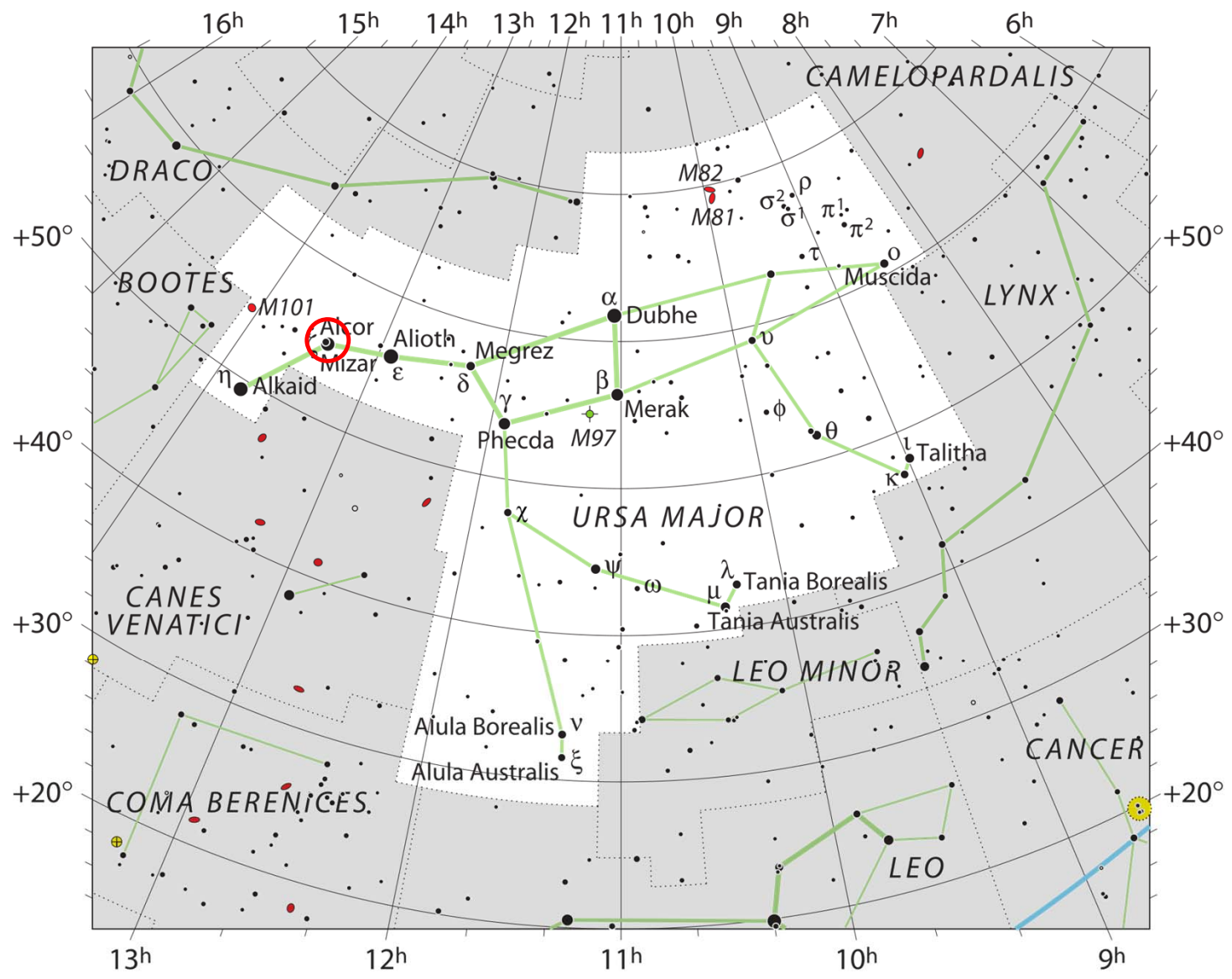
Tau Boötis b – opdaget i 1996

Omløb: 3,312463 d

Masse: 6 M(Jupiter)





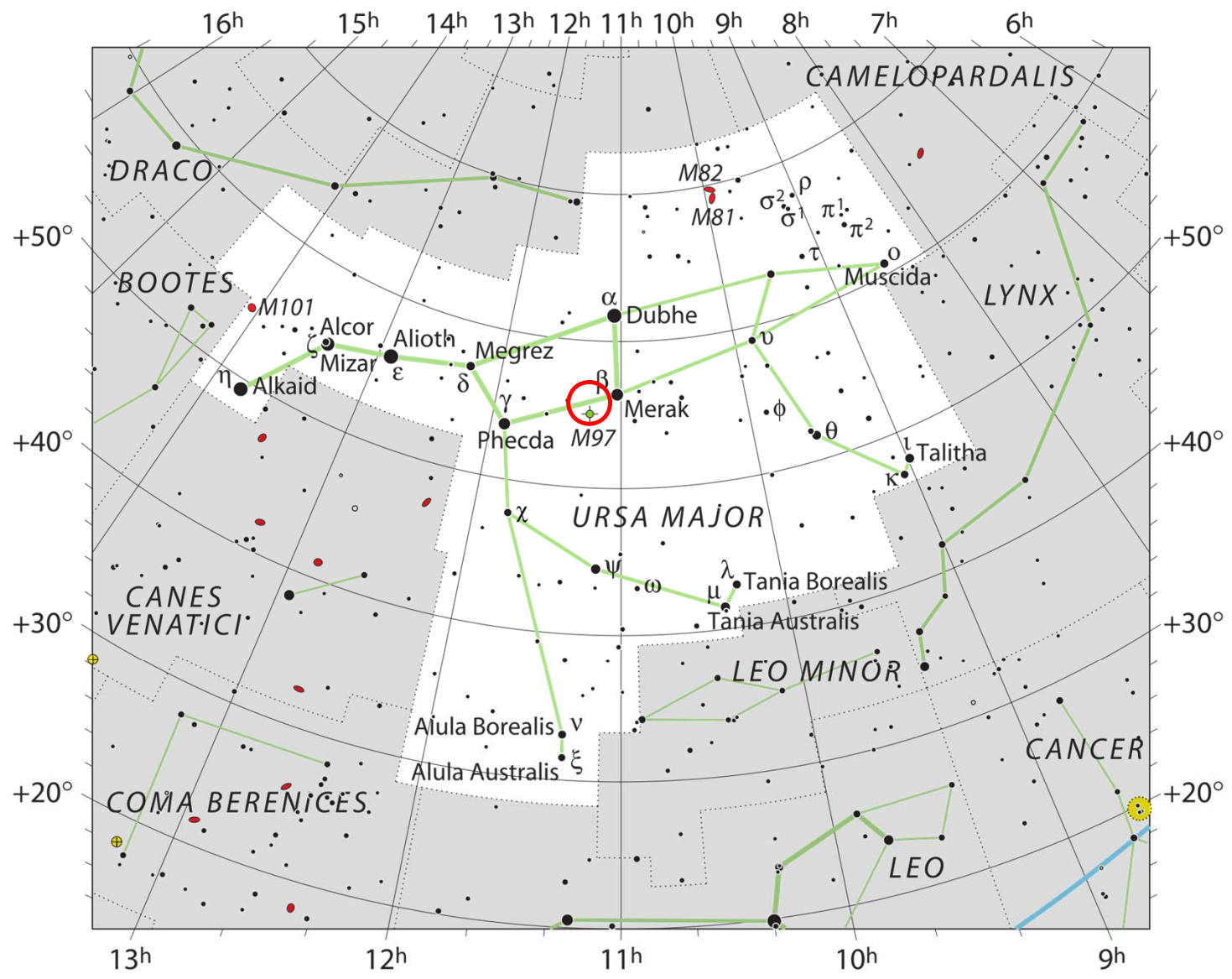




Mizar og Alcor

80 lysår

6-dobbelt!



Ugletågen – M97

Afstand: 2.400 lysår

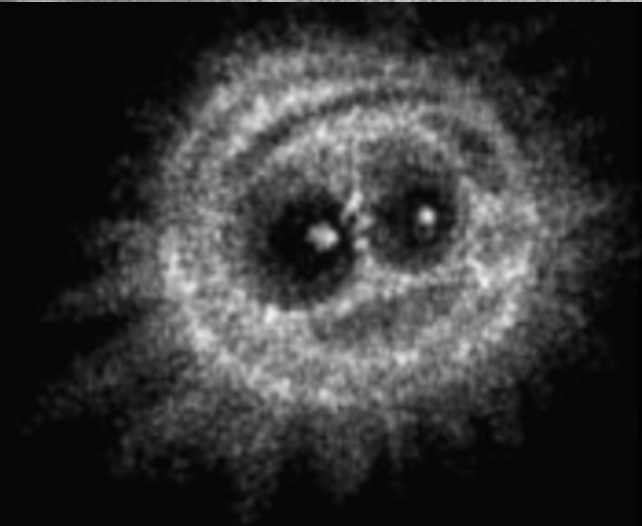
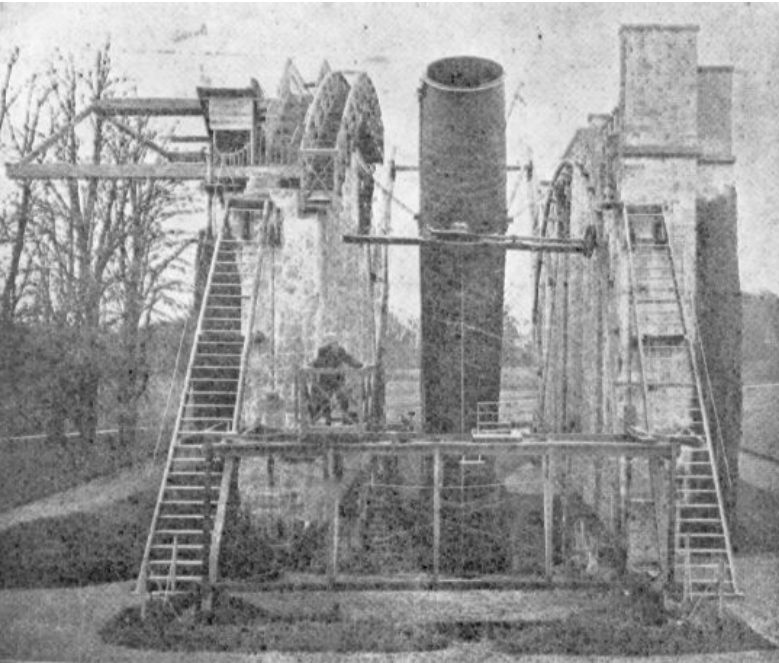
Diameter: 1,8 lysår

Hastighed: 30-40 km/s

Alder: 8000 år

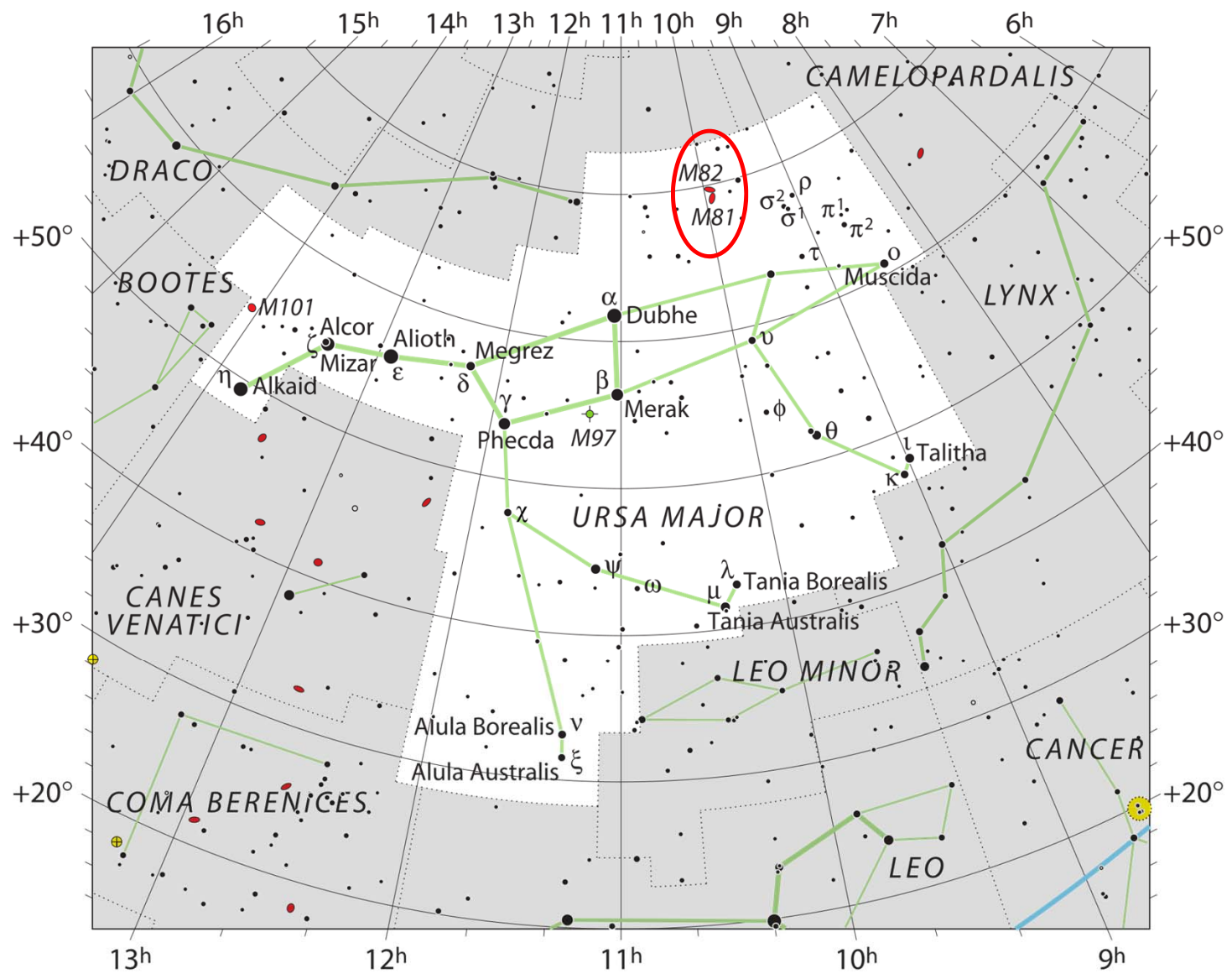






Lord Rosse 1850







M81

M82





Langgade 27, 7550 Sørvad

Jan Grütberger, Langgade 27, 7550 Sørvad
0045 29425947



Jan Grünberger, Langgade 27, 7550 Sørvad
0045 29425947



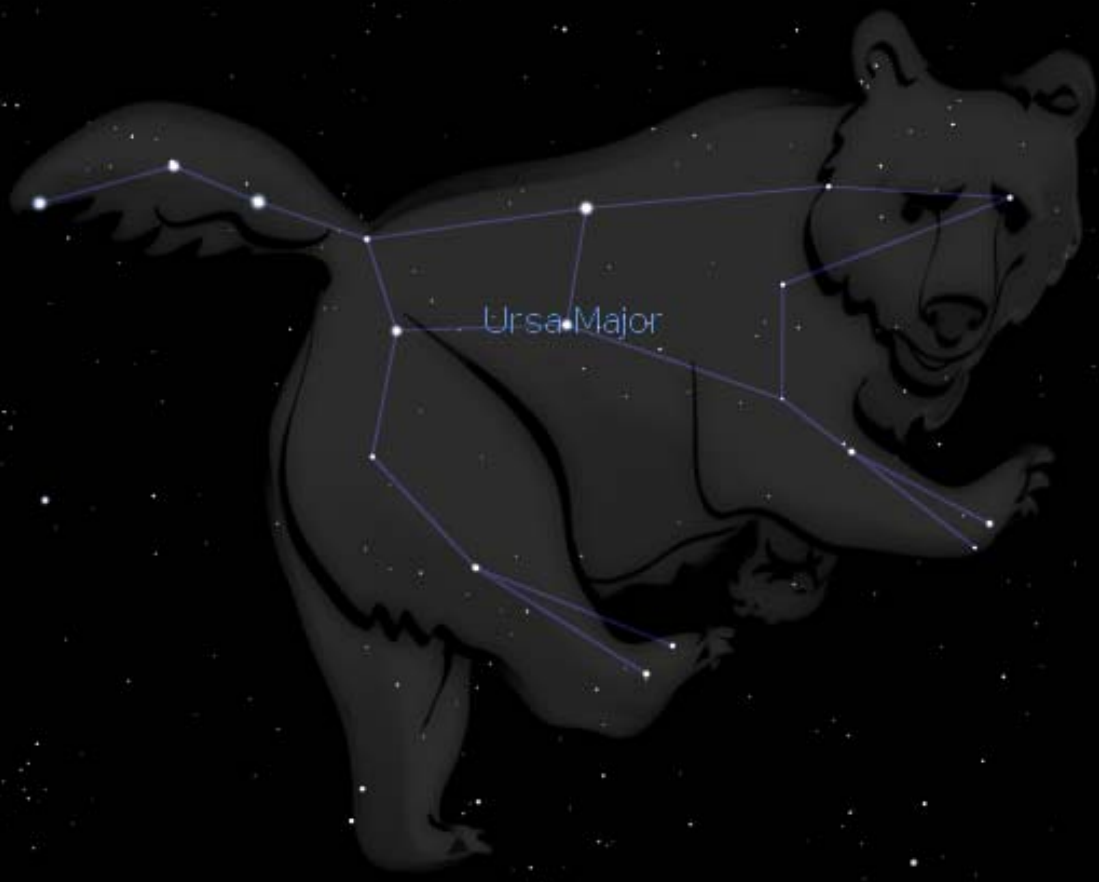
Jan Grünberger, Langgade 27, 7550 Sørvad
0045 29425947



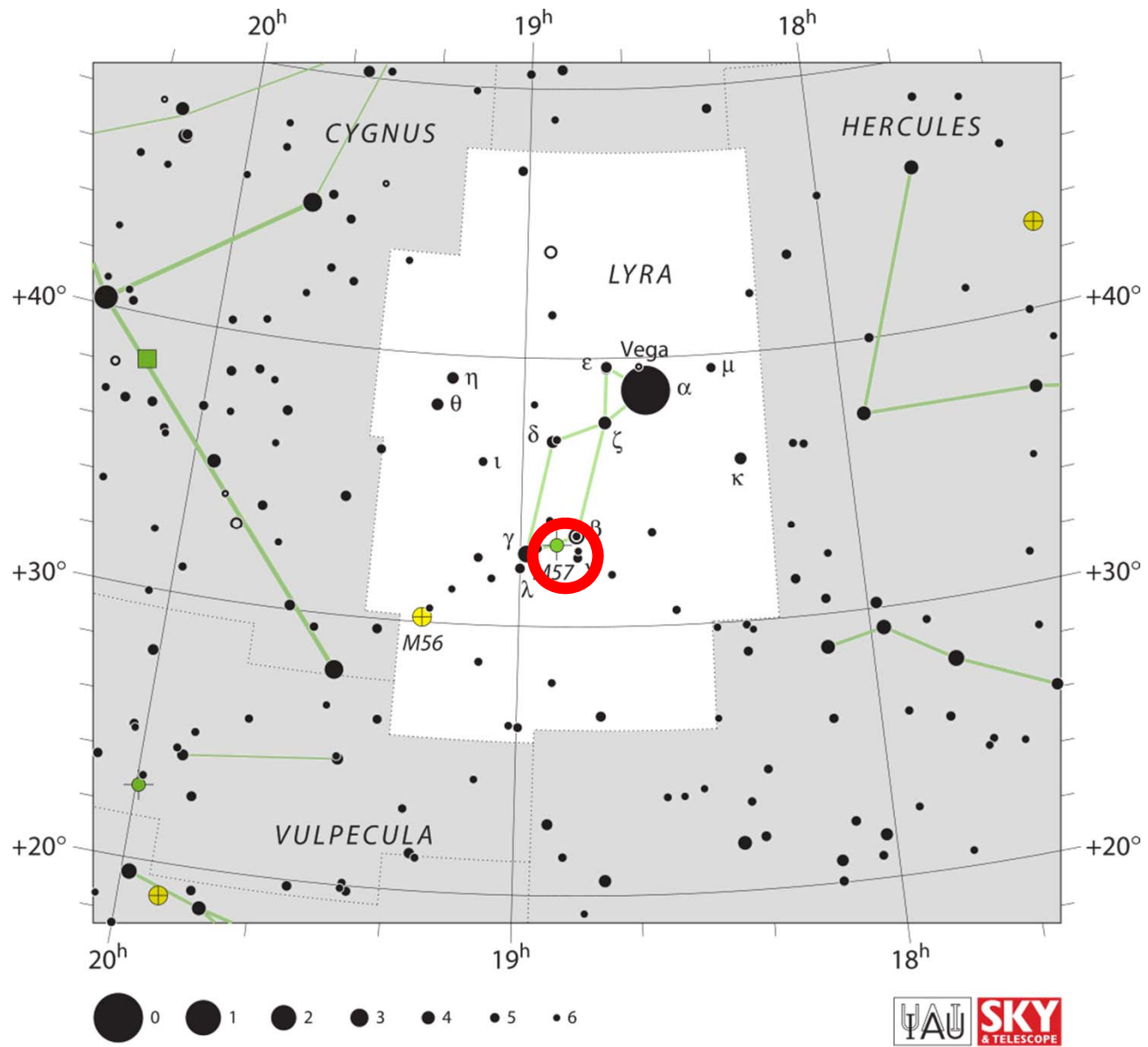


Bootes

Arcturus



Ursa Major







VIDEO-OUT
VIDEO DC
LENS
S-VHS
AUX
PL
OSD-SW
12V

MALLINCAM
PLUS

14
OFF
T

off TEC 9A



f/4.5

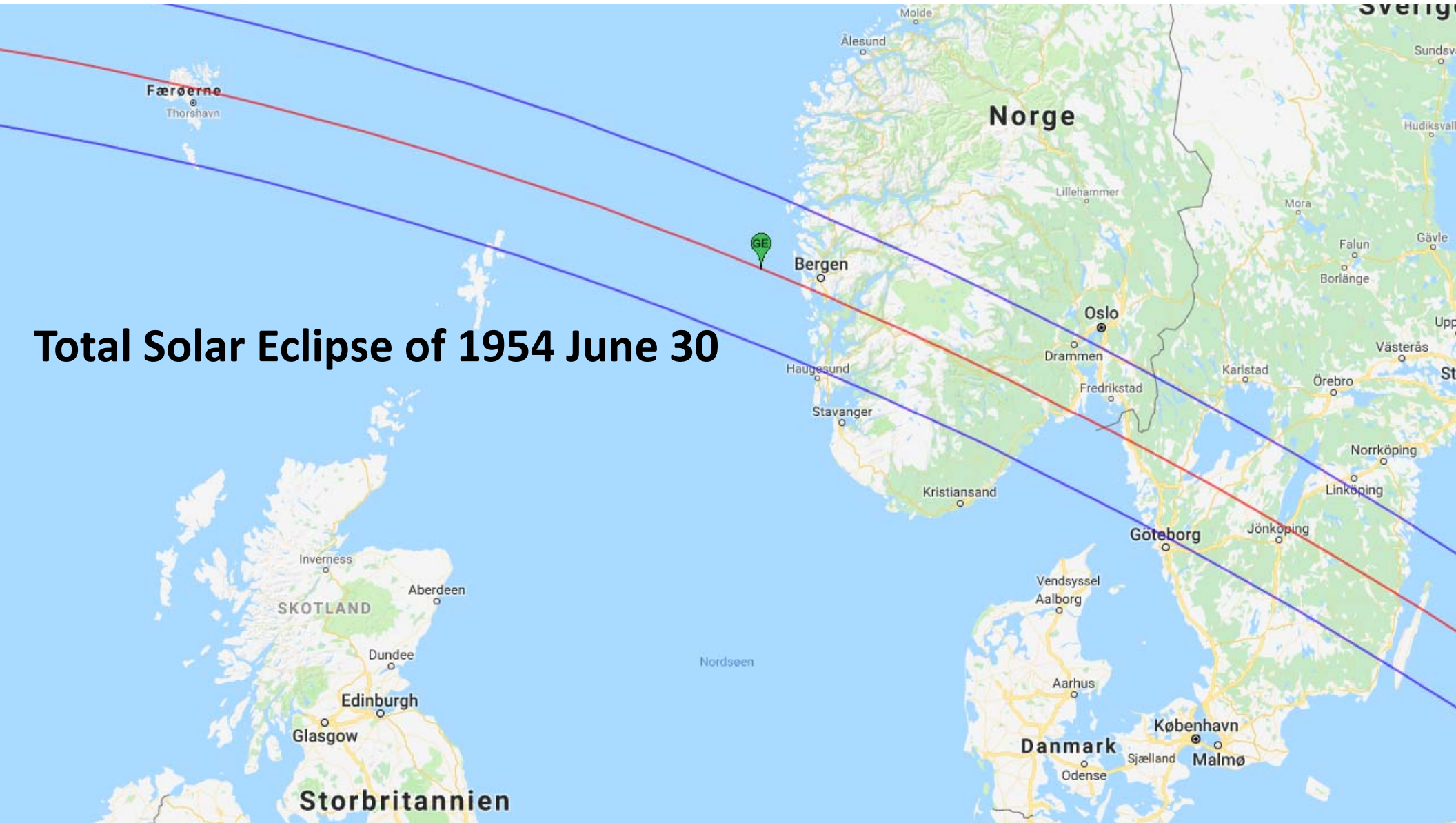




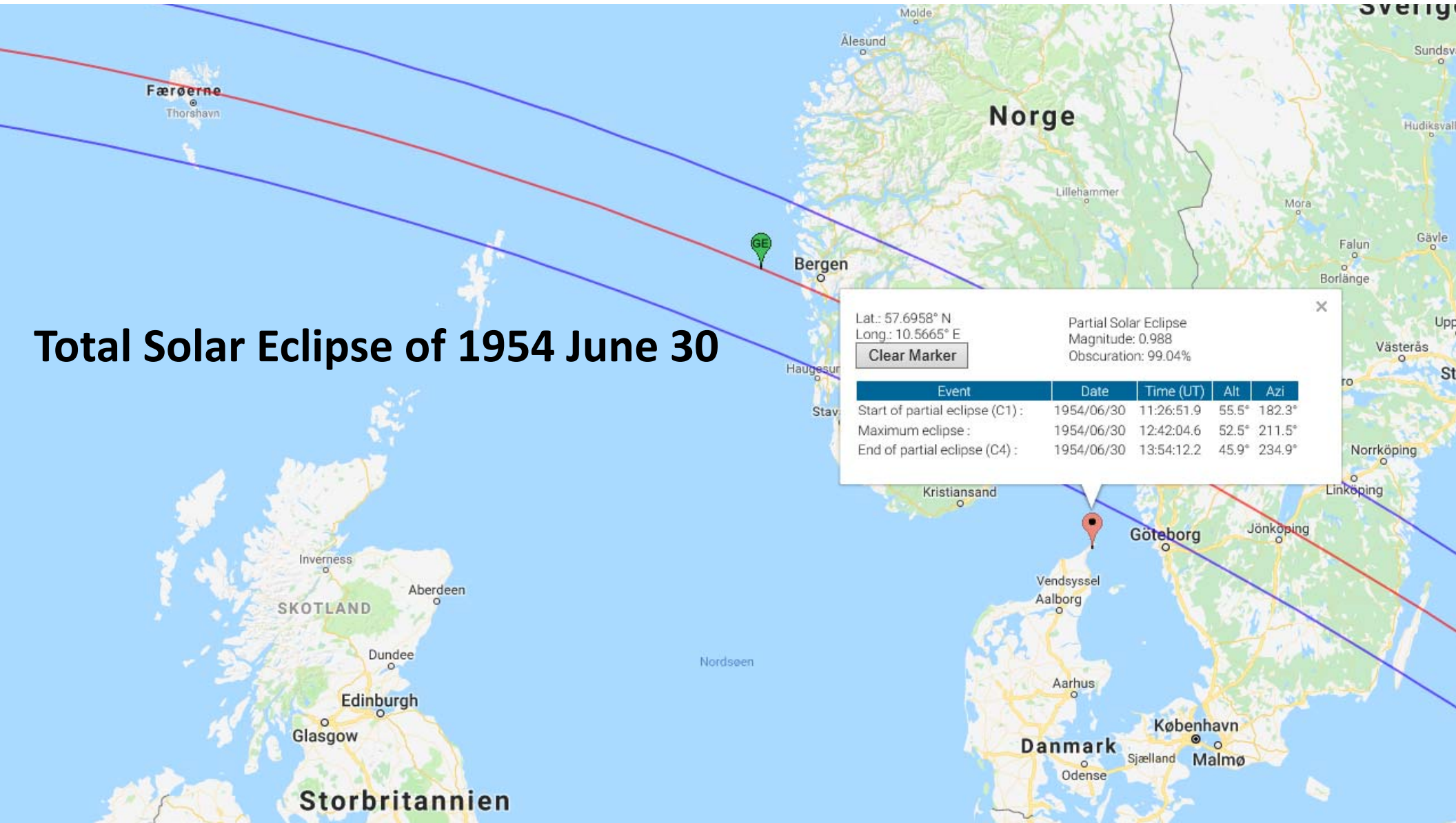




Total Solar Eclipse of 1954 June 30



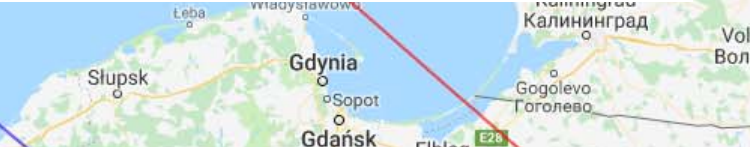
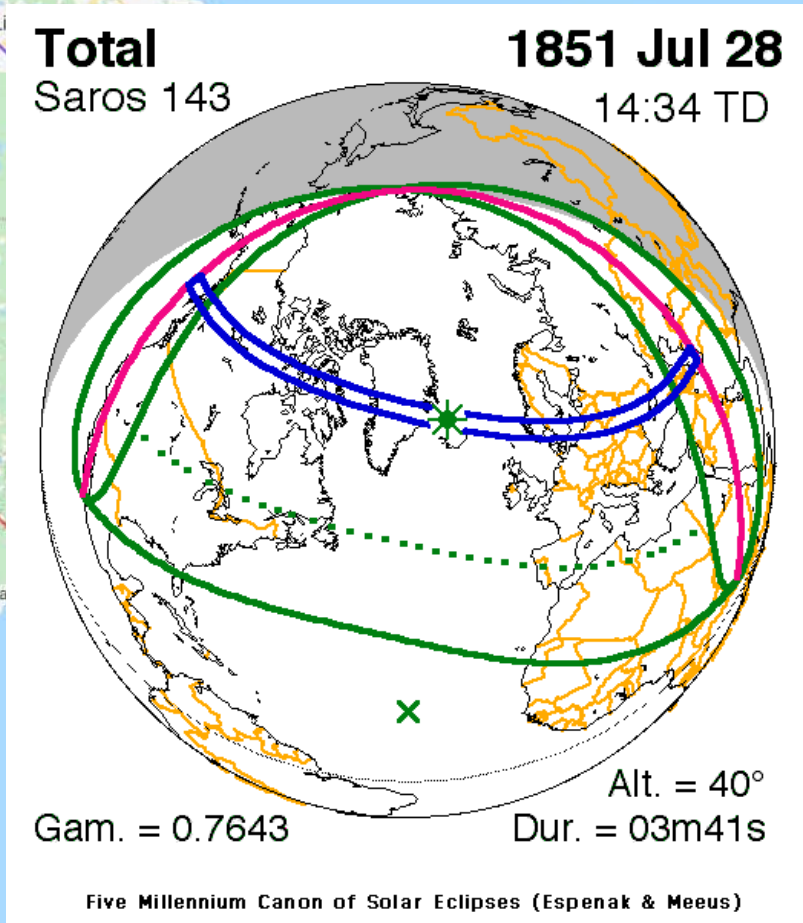
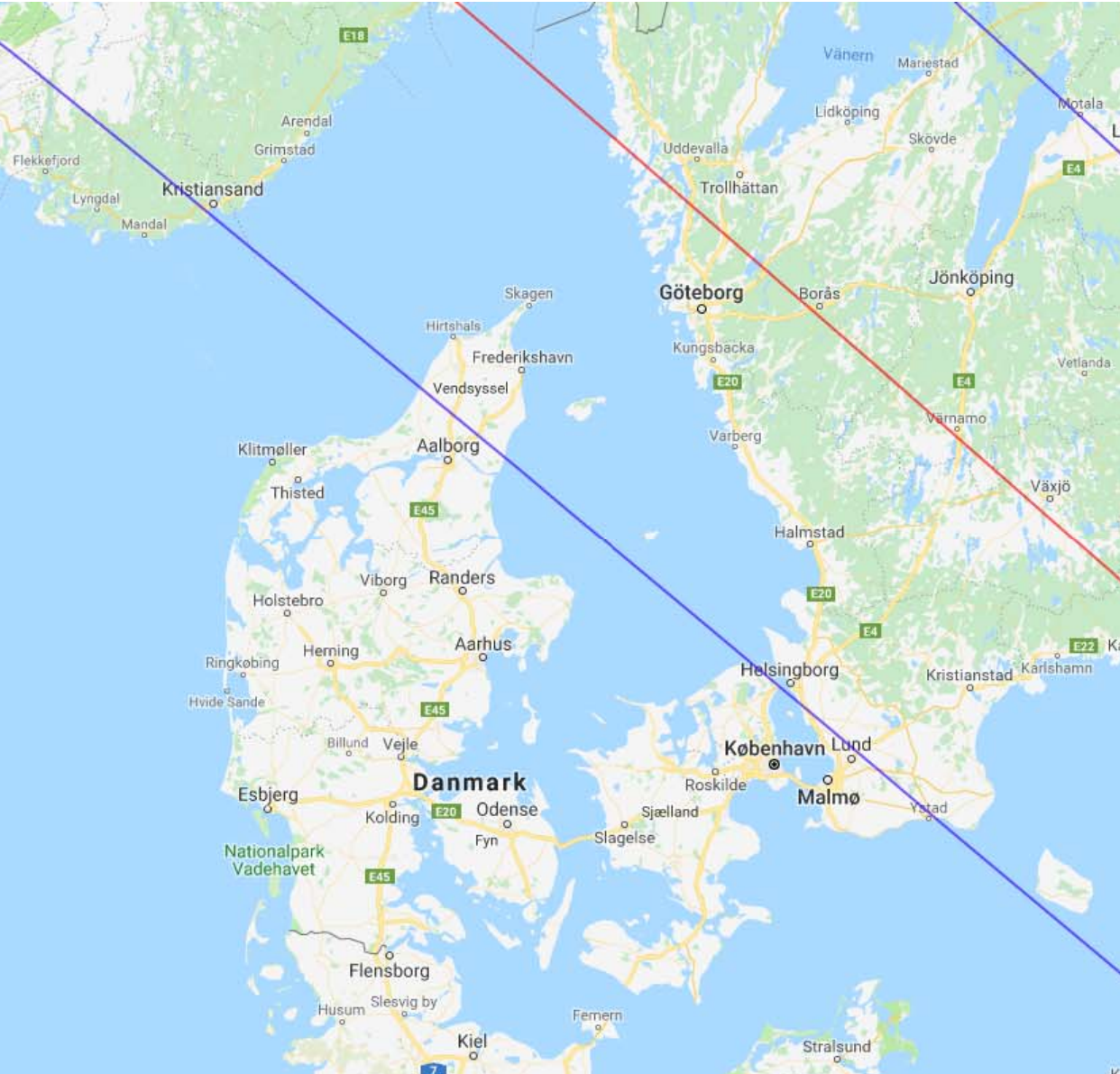
Total Solar Eclipse of 1954 June 30

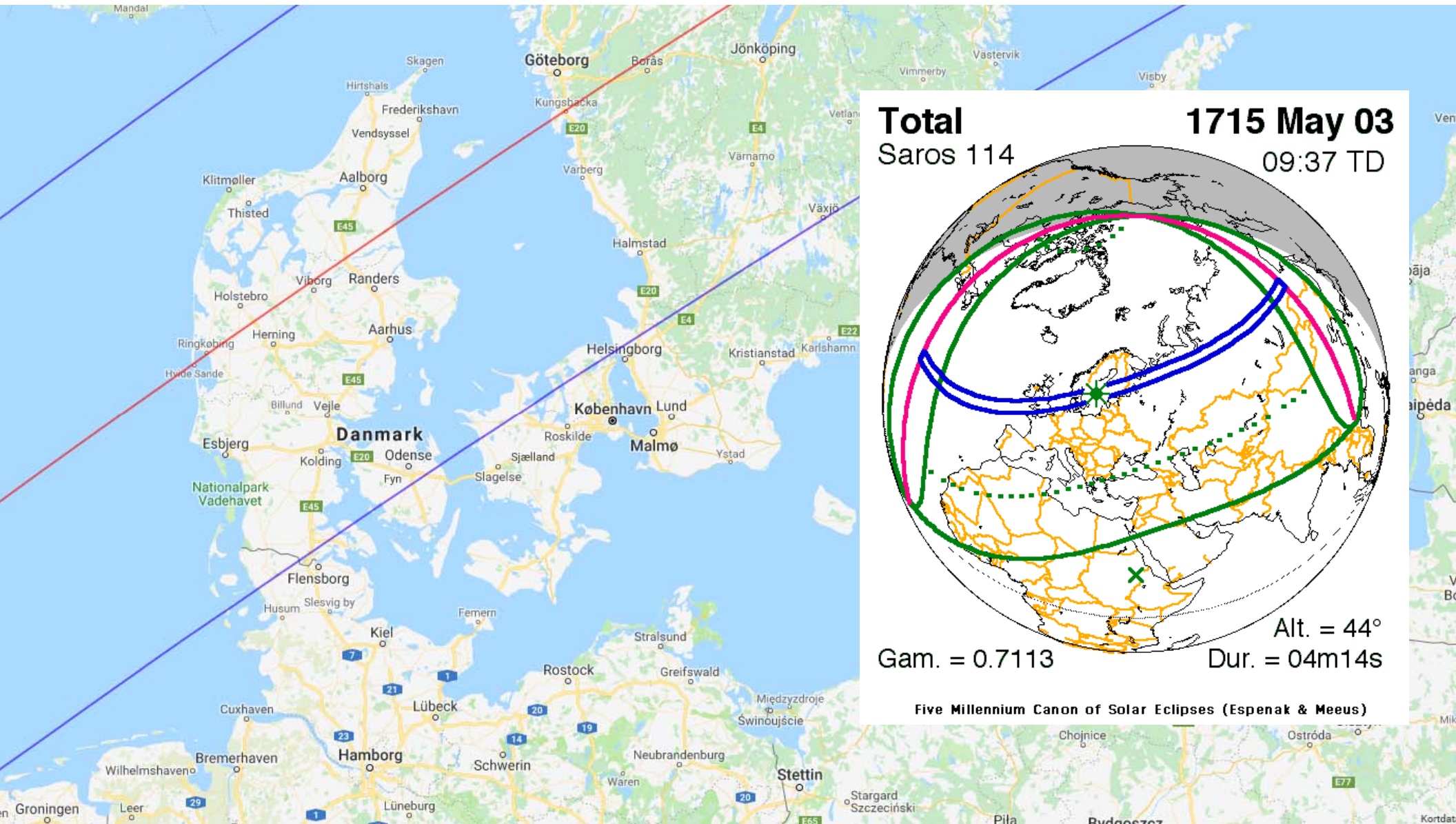


Lat.: 57.6958° N
Long.: 10.5665° E

Partial Solar Eclipse
Magnitude: 0.988
Obscuration: 99.04%

Event	Date	Time (UT)	Alt	Azi
Start of partial eclipse (C1) :	1954/06/30	11:26:51.9	55.5°	182.3°
Maximum eclipse :	1954/06/30	12:42:04.6	52.5°	211.5°
End of partial eclipse (C4) :	1954/06/30	13:54:12.2	45.9°	234.9°





Total

Saros 114

1715 May 03

09:37 TD

Gam. = 0.7113

Alt. = 44°
Dur. = 04m14s

Five Millennium Canon of Solar Eclipses (Espenak & Meeus)



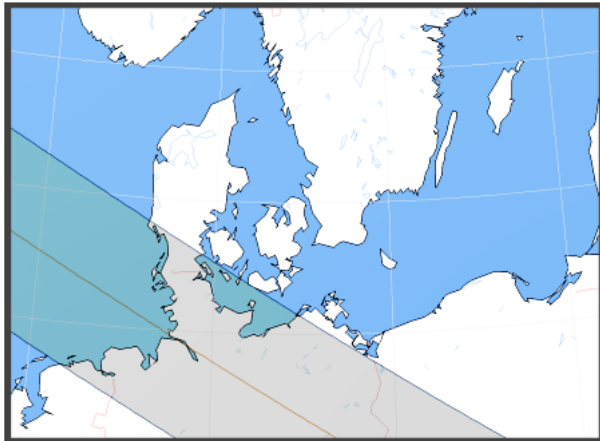
25.05.2142



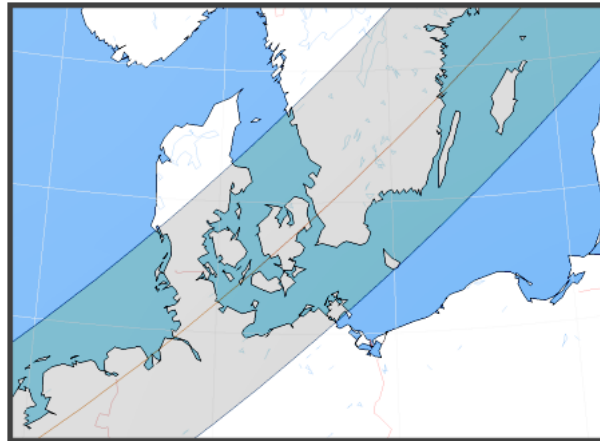
02.09.2426



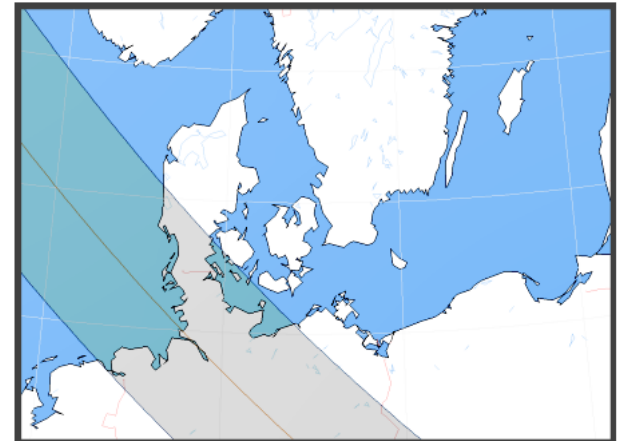
23.03.2536



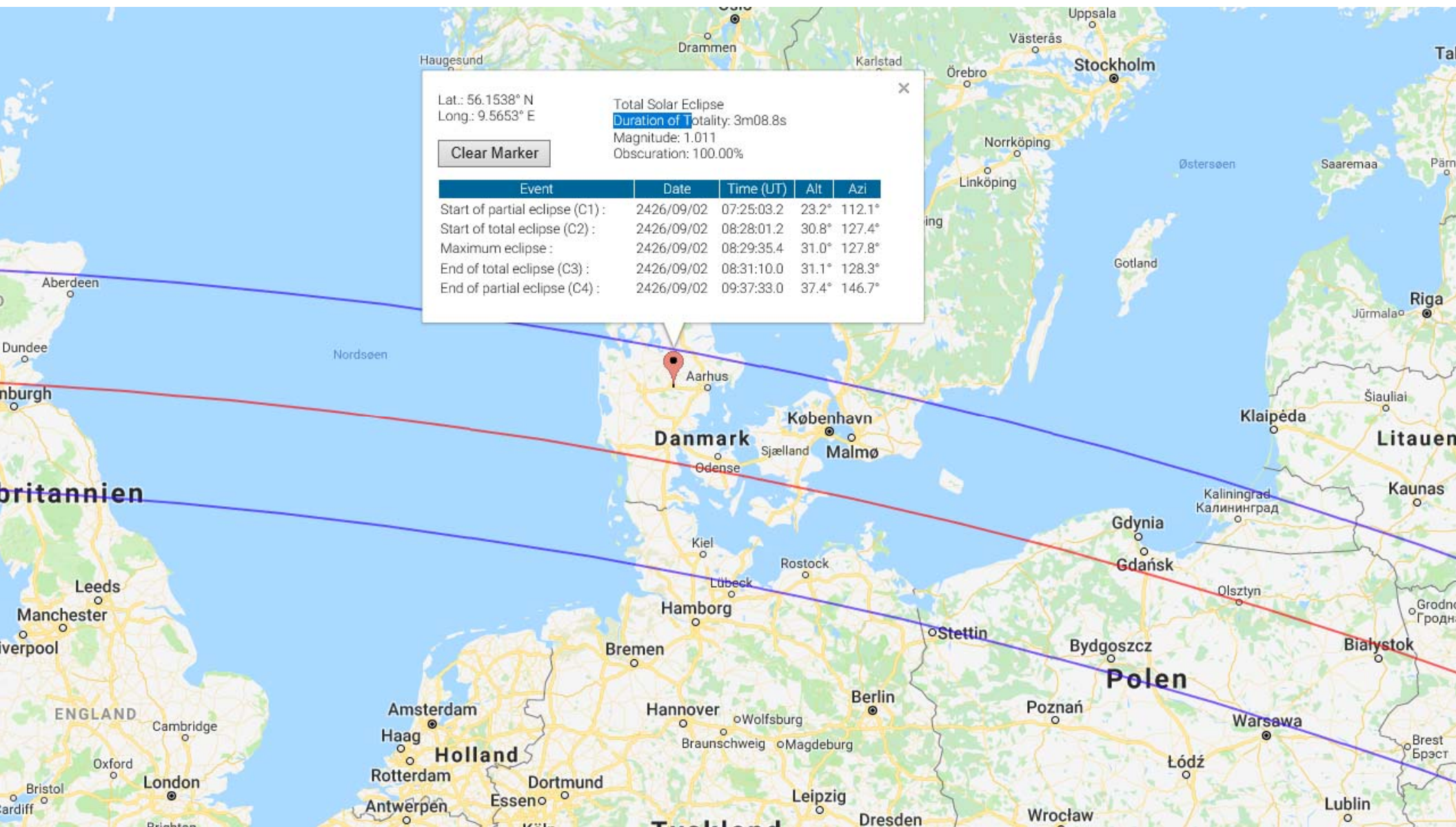
08.06.2681



01.07.2717



15.08.2911

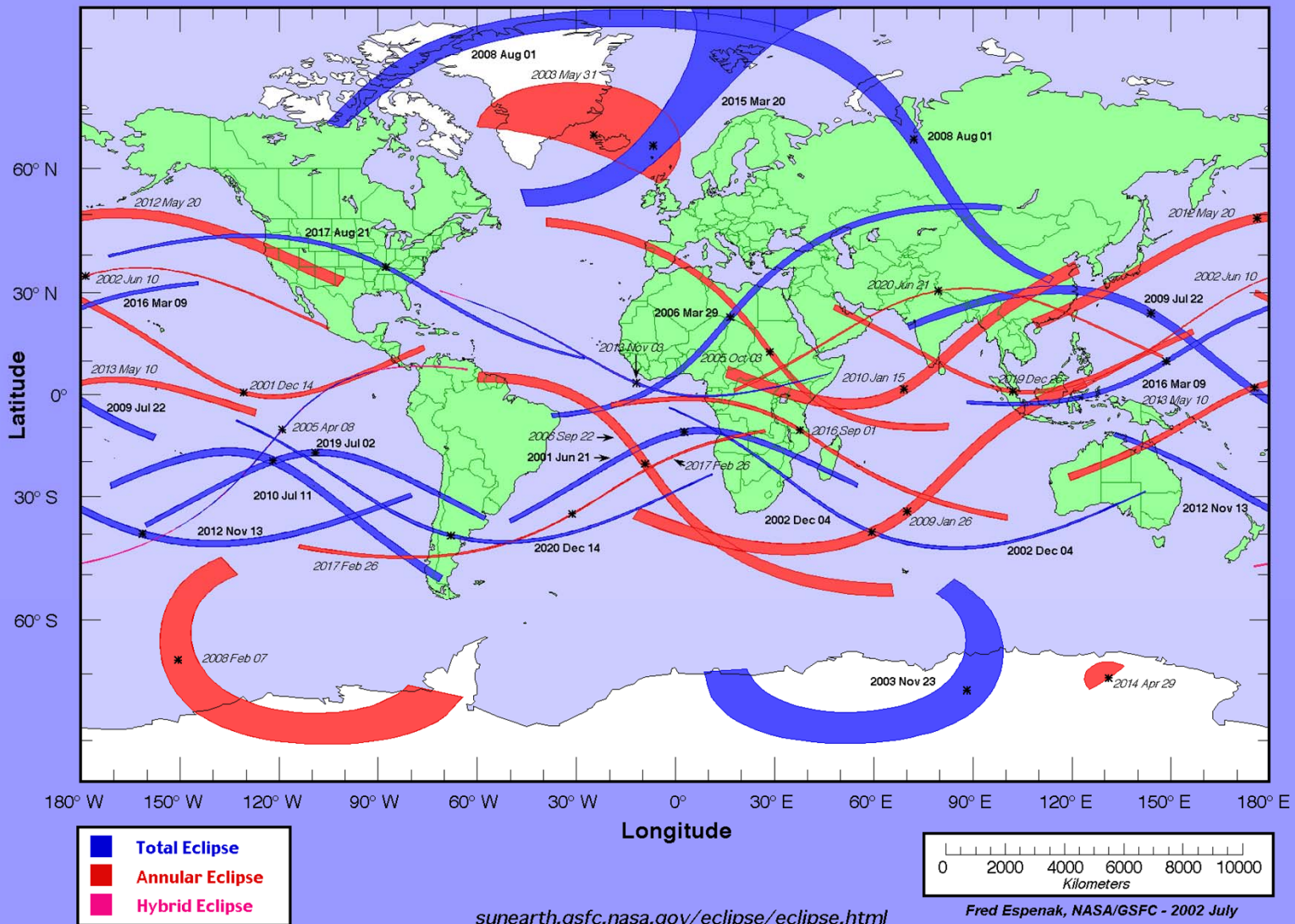


Lat.: 56.1538° N
Long.: 9.5653° E

Total Solar Eclipse
Duration of Totality: 3m08.8s
Magnitude: 1.011
Obscuration: 100.00%

Event	Date	Time (UT)	Alt	Azi
Start of partial eclipse (C1) :	2426/09/02	07:25:03.2	23.2°	112.1°
Start of total eclipse (C2) :	2426/09/02	08:28:01.2	30.8°	127.4°
Maximum eclipse :	2426/09/02	08:29:35.4	31.0°	127.8°
End of total eclipse (C3) :	2426/09/02	08:31:10.0	31.1°	128.3°
End of partial eclipse (C4) :	2426/09/02	09:37:33.0	37.4°	146.7°

Total and Annular Solar Eclipse Paths: 2001 – 2020



Total and Annular Solar Eclipse Paths: 2021 – 2040

