

Occultation Observers in Europe Attending ESOP 2019

Ratio to natural brightness	Artificial brightness ($\mu\text{cd/m}^2$)	Approximate total brightness (mcd/m^2)	Color	ph.cm.2.s-1.sp-1	pcd.m-2	V mag.sp-2
<0.01	<1.74	<0.176	Black	8.61E+05	9.47E+06	2.5
0.01-0.02	1.74-3.48	0.176-0.352	Dark grey	9.47E+06	2.94E+07	27.7
0.02-0.04	3.48-6.96	0.352-0.704	Grey	2.94E+07	8.61E+07	83.2
0.04-0.08	6.96-13.92	0.704-1.408	Dark blue	8.61E+07	2.58E+08	252
0.08-0.16	13.92-27.84	1.408-2.816	Blue	2.58E+08	7.75E+08	756
0.16-0.32	27.84-55.68	2.816-5.632	Light blue	7.75E+08	2.32E+09	2268
0.32-0.64	55.68-111.36	5.632-11.264	Dark green	2.32E+09	6904	6904
0.64-1.28	111.36-222.72	11.264-22.528	Green	6.904E+07	252	21.6
1.28-2.56	222.72-445.44	22.528-45.056	Yellow	8.70E+07	9.56E+07	254.5
2.56-5.12	445.44-890.88	45.056-90.112	Orange	9.56E+07	1.15E+08	279.7
5.12-10.24	890.88-1781.76	90.112-180.224	Red	1.15E+08	1.72E+08	335.2
10.24-20.48	1781.76-3563.52	180.224-360.448	Magenta	1.72E+08	3.44E+08	504
20.48-40.96	3563.52-7127.04	360.448-720.896	Pink	3.44E+08	8.61E+08	1008
40.96-81.92	7127.04-14254.08	720.896-1441.792	White	8.61E+08	2.41E+09	2520
81.92-163.84	14254.08-28508.16	1441.792-2883.584		2.41E+09	6.904E+07	7056
163.84-327.68	28508.16-57016.32	2883.584-5767.168		6.904E+07	252	18.0

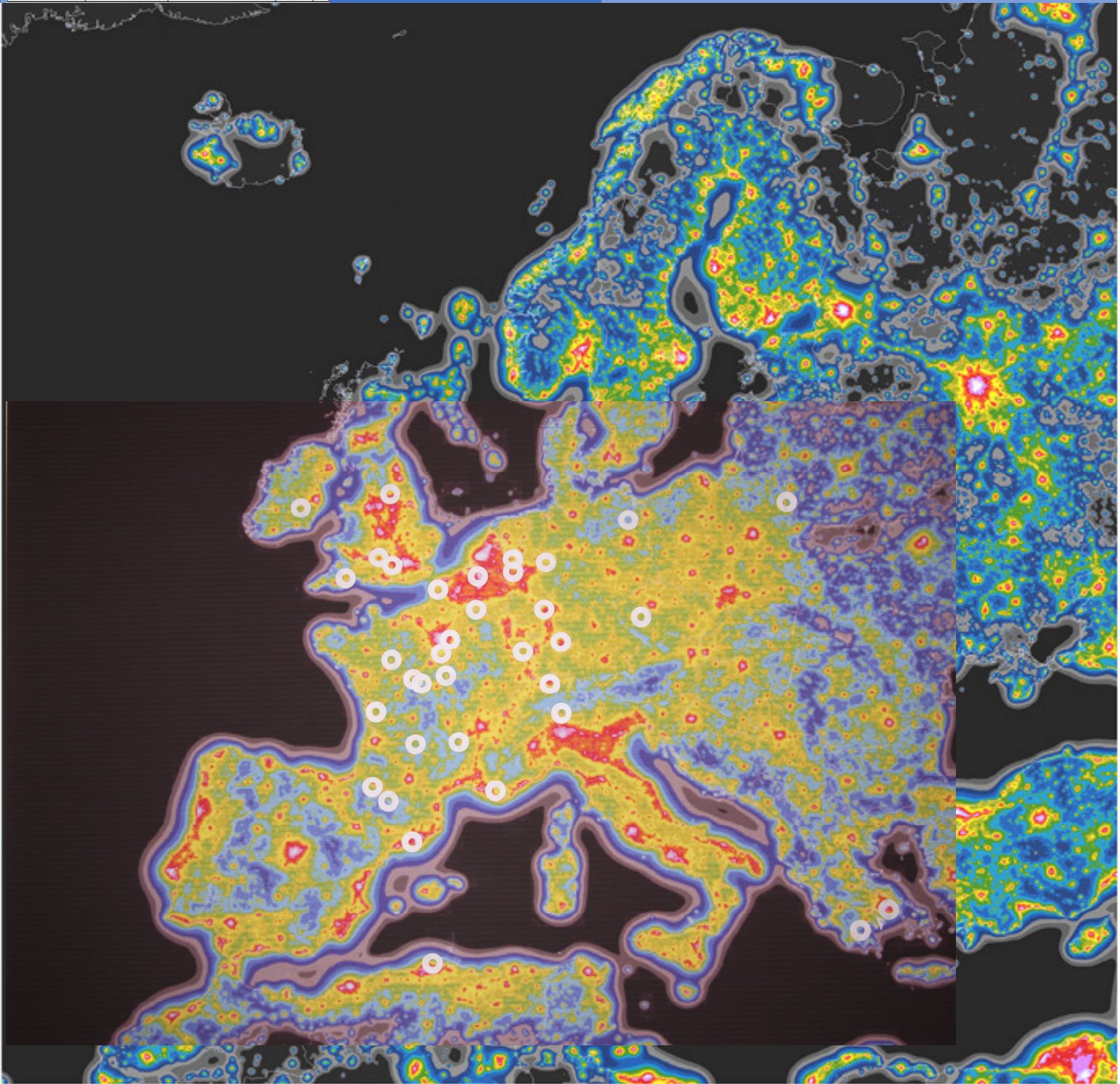
Map from : Light Pollution Atlas Fabio Falchi et al 2016

[http://pmd.gfz-](http://pmd.gfz-potsdam.de/contact/NewWorldAtlas_ArtificialSkyBrightness.kmz)

[potsdam.de/contact/NewWorldAtlas_ArtificialSkyBrightness.kmz](http://pmd.gfz-potsdam.de/contact/NewWorldAtlas_ArtificialSkyBrightness.kmz)

<http://advances.sciencemag.org/content/2/6/e1600377>

http://www.stariight2007.net/index.php?option=com_content&view=article&id=397&Itemid=1&lang=en



38th European Symposium on Occultation Projects (ESOP)



ESOP XXXVIII
Paris - France

Paris Observatory
August 31st - September 1st
2019