

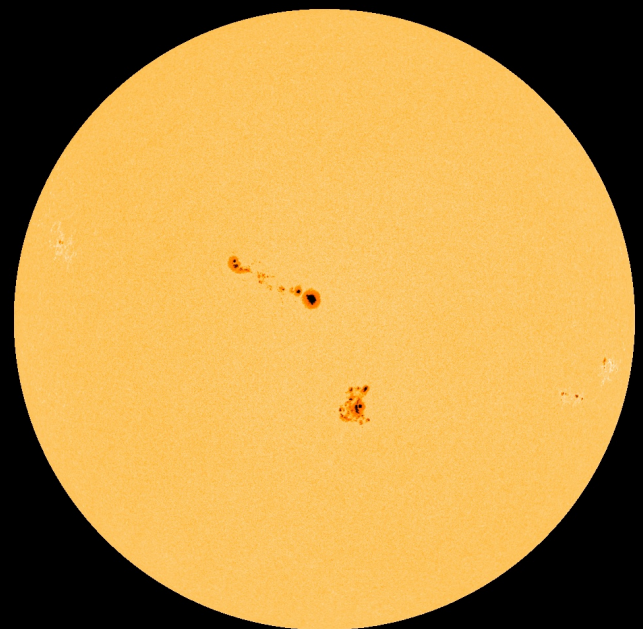
# Der nächtliche Sternenhimmel

Stefan Wällner, MSc

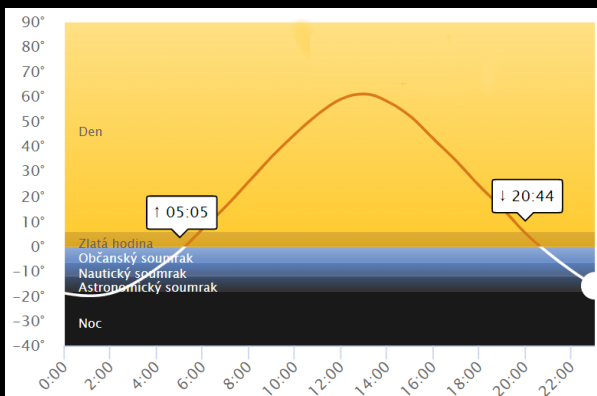
## Die Sonne

Telč, UTC+2 (CEST)

Tag	Aufgang	Untergang
22.5.	5:06	20:43
23.5.	5:05	20:44
24.5.	5:04	20:45
25.5.	5:03	20:47
26.5.	5:02	20:48



S00/PHI. Gulick-Loek Continuum: 20170904\_060000

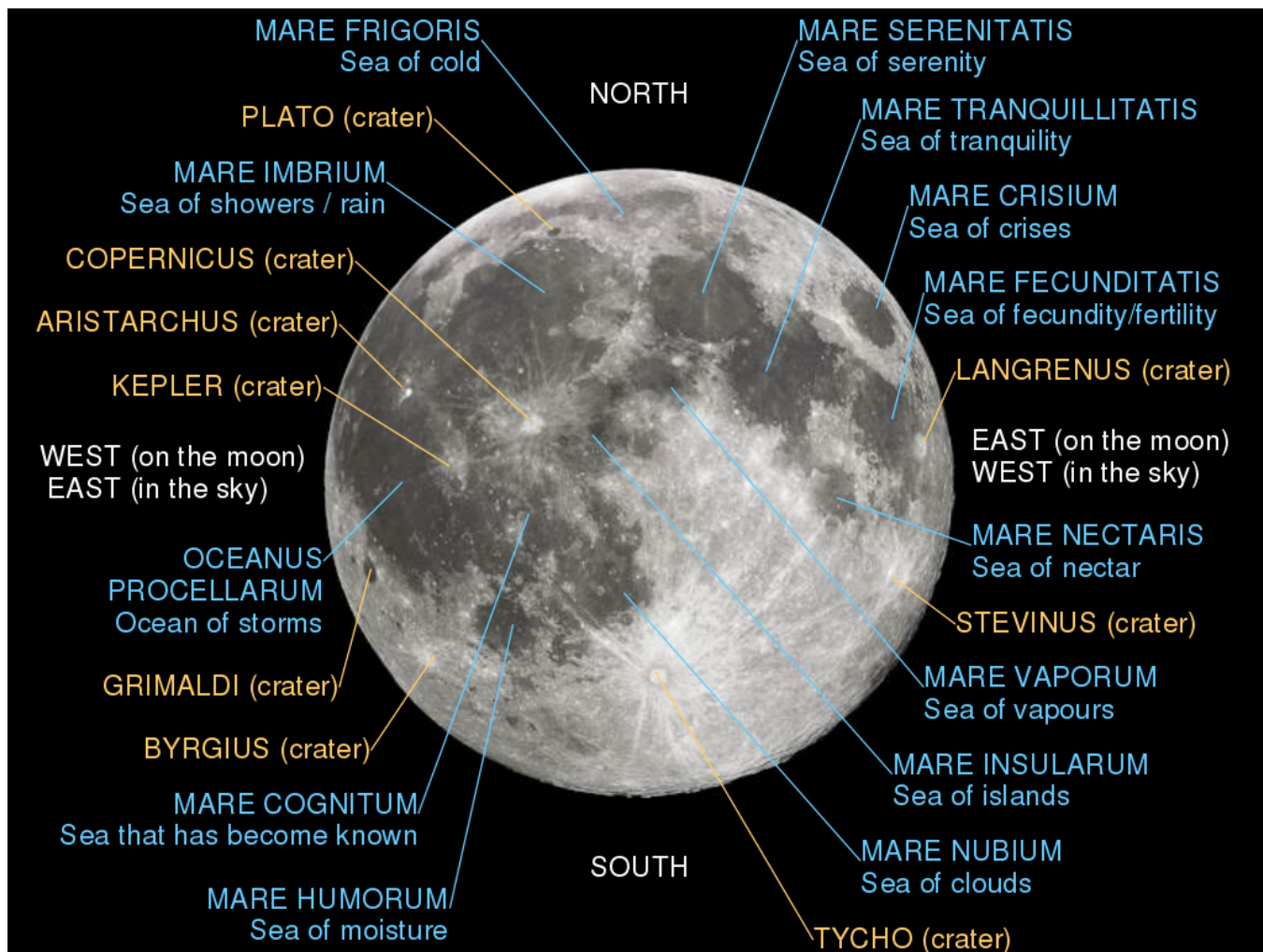


## Der Mond

Telč, UTC+2 (CEST)

Tag	Aufgang	Untergang	Beleuchtete Fläche
23.5.	00:25	08:50	82,8 %
24.5.	01:07	09:51	74,8 %
25.5.	01:41	10:53	66,0 %
26.5.	02:09	11:57	56,8 %

26.5.2019 poslední čtvrť 18:34



# Venus & Merkur

Merkur

Venuše

Venuše + Merkur

16.07.2016

12:26 UT

Thu 2019-05-23

sunrise: 05:05 sunset: 20:44 moonrise: 00:59 moonset 09:49

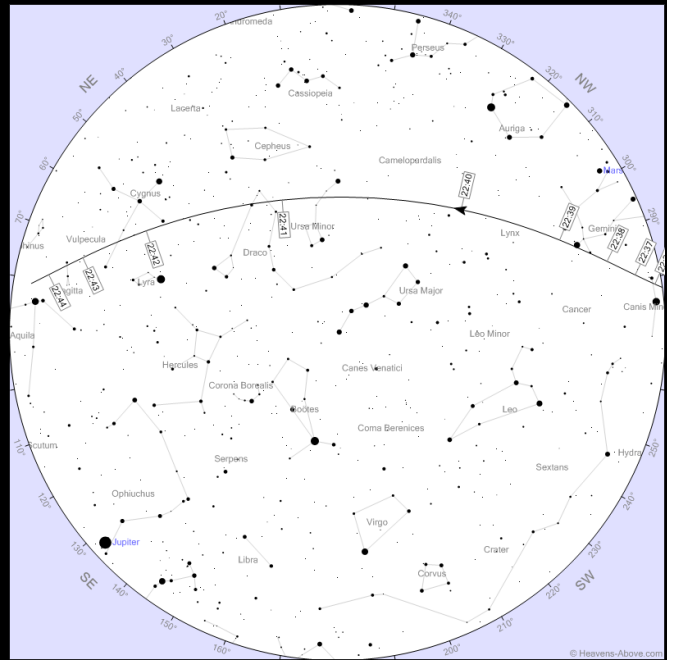
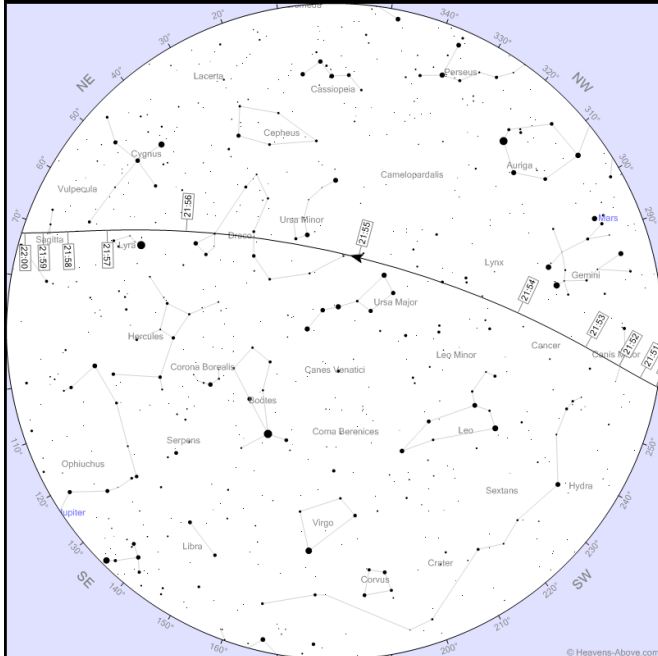
0	100	100	35	1.14	4	3	11 m/s	01.5	03.0	0.6 K	10°C	90%	----J----
1	100	100	34	1.16	4	2	11 m/s	02.5	03.6	0.5 K	10°C	90%	L---JS--P
2	100	100	13	1.18	5	3	11 m/s	02.5	03.0	0.5 K	10°C	90%	L---JS--P
3	100	100	0	1.19	5	4	12 m/s	02.5	03.0	0.6 K	10°C	90%	L---JS-NP
4	100	100	0	1.19	5	3	12 m/s	02.5	03.6	0.6 K	9°C	90%	L---JS-NP
5	100	100	0	1.23	4	3	12 m/s	02.5	03.6	0.5 K	9°C	89%	L-V-JSUNP
6	100	100	2	1.24	4	3	13 m/s	03.0	03.6	0.5 K	8°C	84%	LMV-JSUNP
7	95	100	19	1.23	5	4	13 m/s	01.0	02.0	0.8 K	9°C	80%	LMV--SUNP
8	100	100	5	1.22	4	3	13 m/s	01.0	02.0	0.9 K	9°C	76%	LMVM-SUNP
9	100	100	0	1.19	5	4	13 m/s	03.6	04.3	0.5 K	9°C	65%	-MVM--UN-
10	100	100	17	1.21	5	3	13 m/s	03.1	03.6	0.5 K	10°C	58%	-MVM--UN-
11	100	100	2	1.17	5	4	13 m/s	01.0	02.5	0.7 K	11°C	48%	-MVM--UN-
12	100	100	16	1.11	5	5	13 m/s	01.0	02.0	0.6 K	12°C	40%	-MVM--UN-
13	100	100	25	1.14	5	5	13 m/s	02.5	03.1	0.5 K	12°C	45%	-MVM--UN-
14	100	100	34	1.21	3	1	13 m/s	03.1	03.7	0.5 K	13°C	44%	-MVM--U--
15	100	100	24	1.24	5	4	14 m/s	03.1	03.6	0.6 K	14°C	43%	-MVM--U--
16	100	100	1	1.26	4	3	14 m/s	03.1	03.7	0.6 K	14°C	42%	-MVM--U--
17	37	83	1	1.14	5	5	15 m/s	03.1	03.7	0.5 K	14°C	44%	-MVM--U--
18	5	70	12	1.03	5	4	17 m/s	02.0	02.5	0.5 K	14°C	46%	-MVM-----
19	2	89	38	1.06	5	5	17 m/s	02.5	03.1	0.5 K	13°C	48%	-M-M-----
20	0	37	37	1.03	5	5	18 m/s	02.5	03.1	0.6 K	12°C	50%	-M-M-----
21	0	8	38	1.09	5	5	18 m/s	00.0	00.0	0.0 K	10°C	52%	---M-----
22	0	5	34	1.09	5	5	18 m/s	03.7	04.3	0.5 K	9°C	53%	---M-----
23	0	0	26	1.13	5	4	18 m/s	03.7	04.3	0.5 K	8°C	55%	---MJ-----

Fri 2019-05-24

sunrise: 05:04 sunset: 20:45 moonrise: 01:34 moonset 10:51

0	0	0	16	1.13	5	4	18 m/s	03.7	04.3	0.5 K	8°C	55%	----J----
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# ISS über Telc!



<https://www.heavens-above.com/>  
<https://transit-finder.com/>

# Herkules Sternhaufen - M13



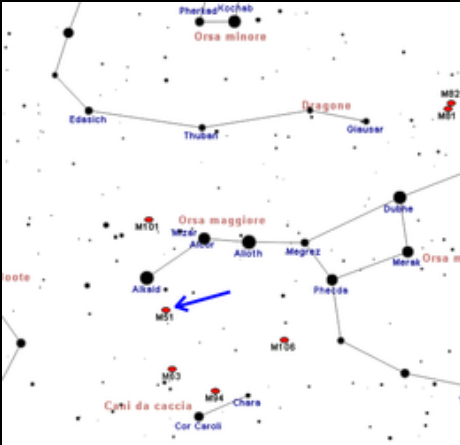
M13

© 2007 Martin Myšlivec, <http://foto.astronomy.cz>

M. Myšlivec  
 Vixen VC200L 200/1800mm  
 exp. 50 min

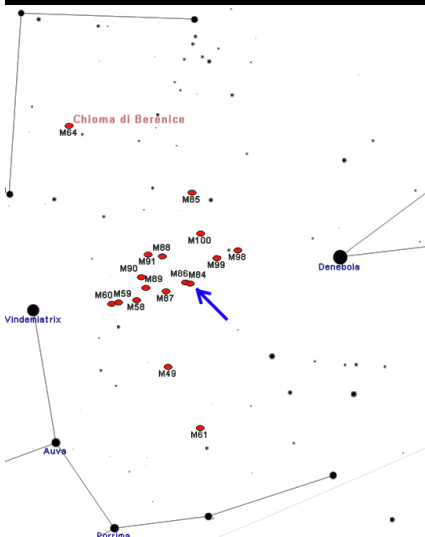
# Deep Sky Objekte

## Whirlpool Galaxie – M51



E. Brunner  
TS 102/700  
Exp. 280 min

## Virgo-Galaxienhaufen

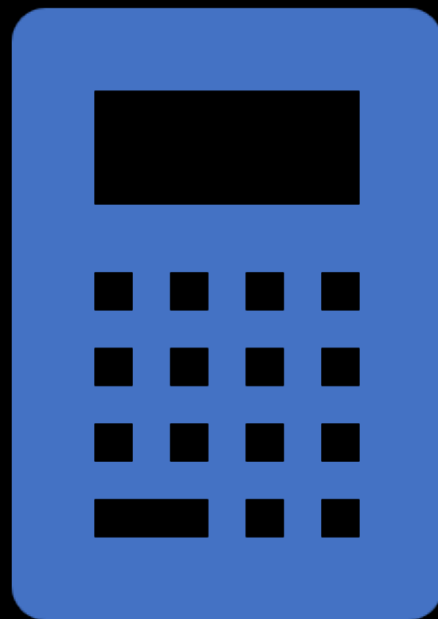


M. Myslivec  
dalekohled RL300  
exp. 42 h



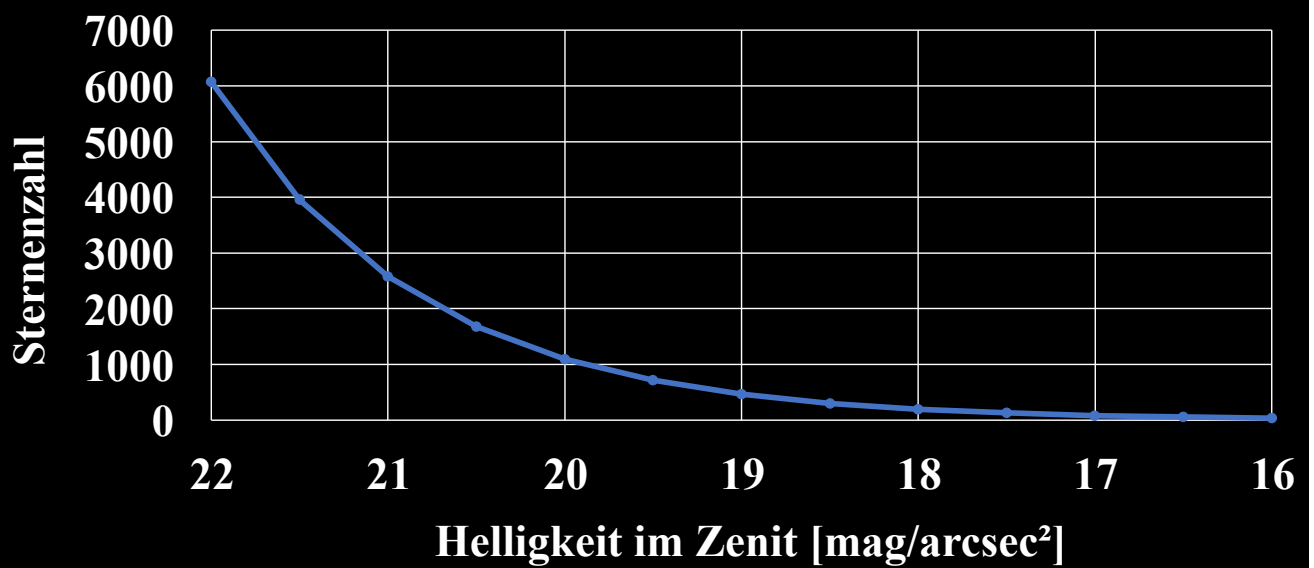
## ESO Sky Calculator

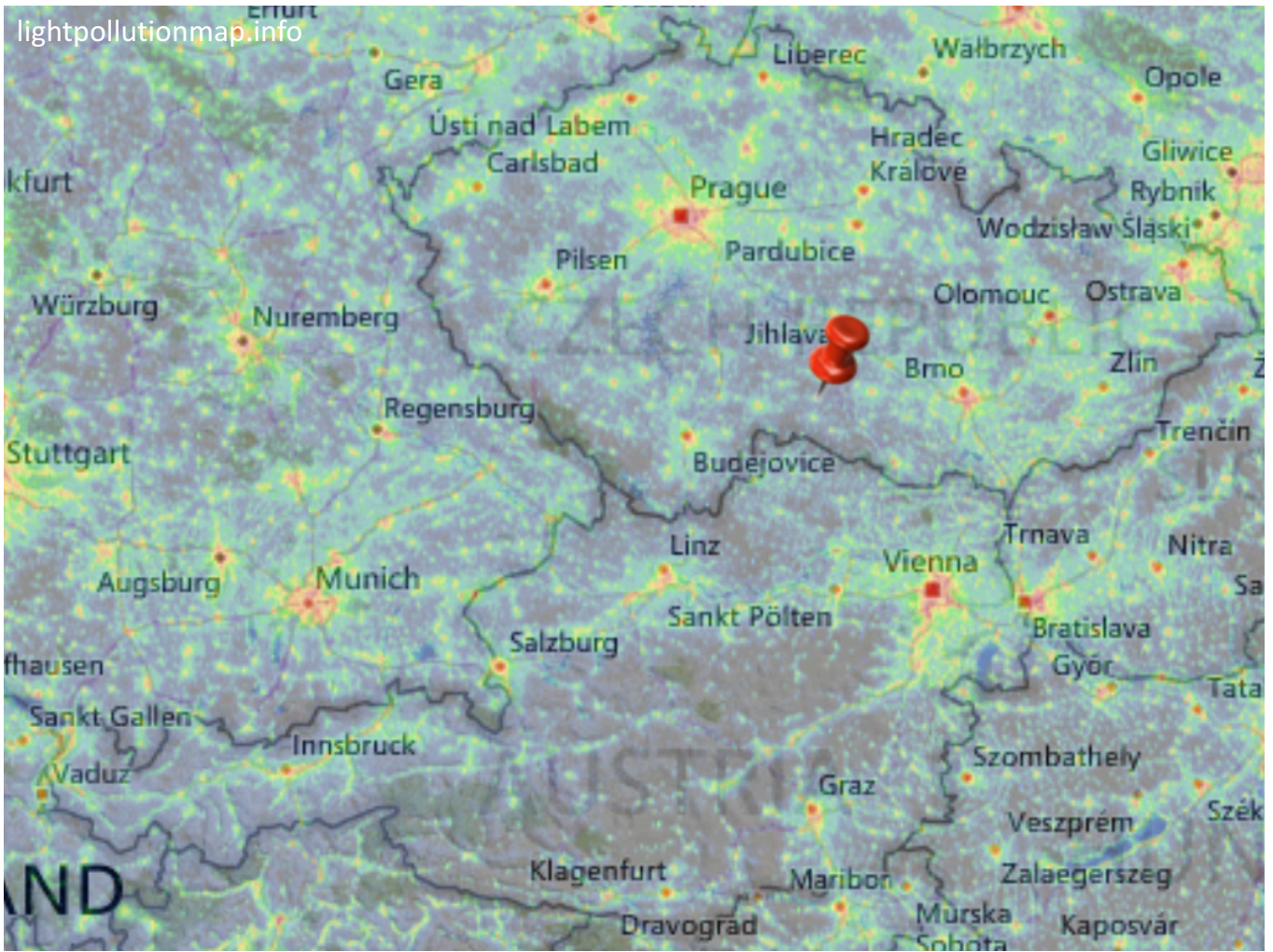
<https://www.eso.org/observing/etc/bin/gen/form?INS.MODE=swspectr+INS.NAME=SKYCALC>





## Sichtbare Sterne mit dem freien Auge





Clear Skies!