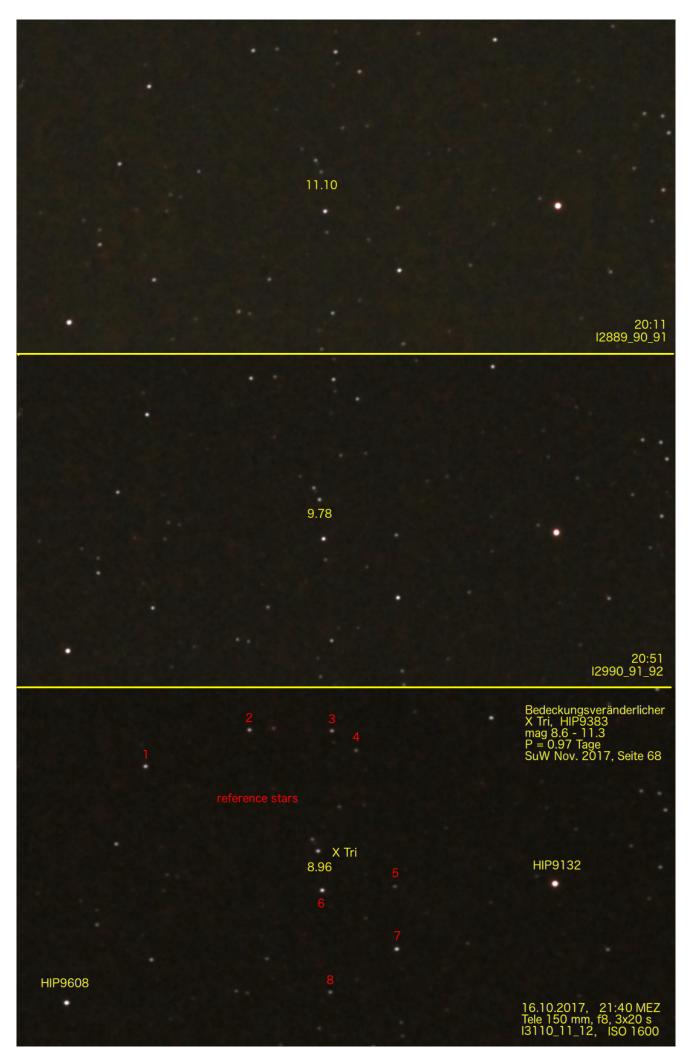
Light curve of the eclipsing binary system X Tri

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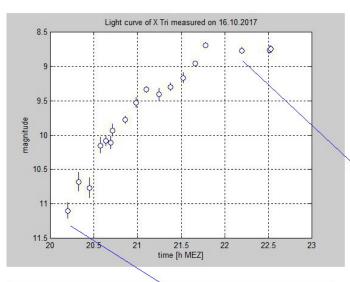


reference stars from simbad.u-strasbg.fr

	star	visual magnitude	error
1	TYC 1763-02693-1	8.90	0.02
2	TYC 1763-02458-1	9.68	0.03
3	TYC 1763-01718-1	9.71	0.04
4	TYC 1763-02835-1	10.15	0.05
5	TYC 1763-02429-1	10.62	0.06
6	TYC 1763-01881-1	8.65	0.00
7	TYC 1763-02470-1	8.54	0.01
8	TYC 1763-02601-1	10.23	0.04

X Tri magnitudes measured on 16.10.2017

image	MEZ h	m	s	Julian Date	magnitude	error
2889-90-91	20	12	8	2458043.30009	11.10	0.12
2909	20	19	30	2458043.30521	10.68	0.14
2930	20	27	9	2458043.31052	10.77	0.15
2950	20	34	26	2458043.31558	10.15	0.12
2960-61-62	20	38	5	2458043.31811	10.08	0.08
2964	20	41	39	2458043.32059	10.11	0.10
2970	20	42	45	2458043.32135	9.93	0.09
2990-91-92	20	51	42	2458043.32757	9.78	0.06
3010	20	58	59	2458043.33263	9.53	0.08
3030-31-32	21	6	17	2458043.33770	9.34	0.05
3045	21	14	47	2458043.34360	9.41	0.09
3063-64-65	21	22	43	2458043.34911	9.30	0.06
3087	21	31	28	2458043.35519	9.17	0.08
3110-11-12	21	39	51	2458043.36101	8.96	0.04
3119a	21	47	0	2458043.36597	8.69	0.04
3121	22	11	36	2458043.38306	8.77	0.05
3123	22	31	6	2458043.39660	8.76	0.06
3126	22	31	39	2458043.39698	8.75	0.06



The images were taken with a CANON EOS 600D (150mm, f8, ISO 1600, t= 20 - 60 s). Star intensities were determined using the program AstrolmageJ (sum of rgb pixel values). Knowing the magnitudes of the reference stars, the intensity of X Tri could be converted to a magnitude by linear interpolation or extrapolation using MATLAB.

