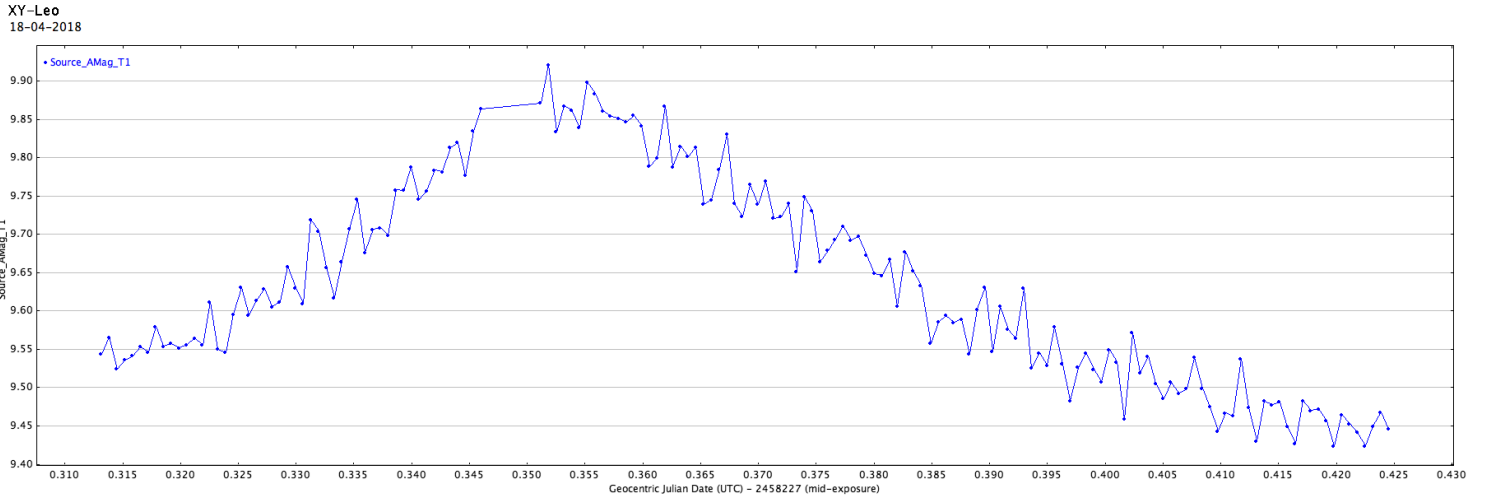


Author: Dieter Hofer		Date 2018-04-22		www.variables.ch	
Star		Go to XY-Leo @ AAVSO			
XY-Leo		Epoch	2452733.6048	Period	0.284101
System	Eclipsing Binary	Class	EW/KW	Type	W Uma Type
RA	10.027613	DEC	17.409641	Magnitude	9.45 - 9.93
Date & Time UT					
2018-04-18/19		First Exposure		Last Exposure	
Station					
Magden (Mag)					
Latitude	47.531250	Longitude	7.812861	Altitude	352m
Telescope					
Officina Stellare Hyper 130		Focal Length	588mm (780mm)	Aperture	130mm
Reducer	.75	Filter	Lum		
Camera					
Moravian G-2 8300		Pixel L	3358	Pixel W	2536
Size	5.4	FoV L	1.773°	FoV W	1.342°
Exposure Time	3sec	Binning	1x1	Number of Frames	214 / 160
Software					
Capture	kStars - Ekos	PreProcessing	Nebulosity	badPixel-map and Bias - no Flats	
Aligning	pixInsight	Photometry	AstrolmageJ		
Control Stars		Control	Mag	AAVSO cat (AUID)	AAVSO Label
SAO 98937		C2	9.53		
SAO 98898		C3	9.69		
TYC 1412-0959-1		C4	9.77		
BD +17 2160		C5	9.82		
TYC 1412-0339-1		C6	10.39		
TYC 1412-0588-1		C7	10.97		

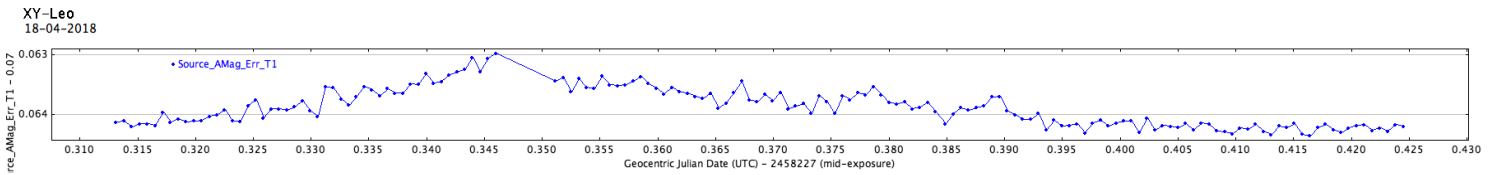
Remarks

In AIJ-graphs of Observation-2 the JD is off by 13d 1h 32m 36s

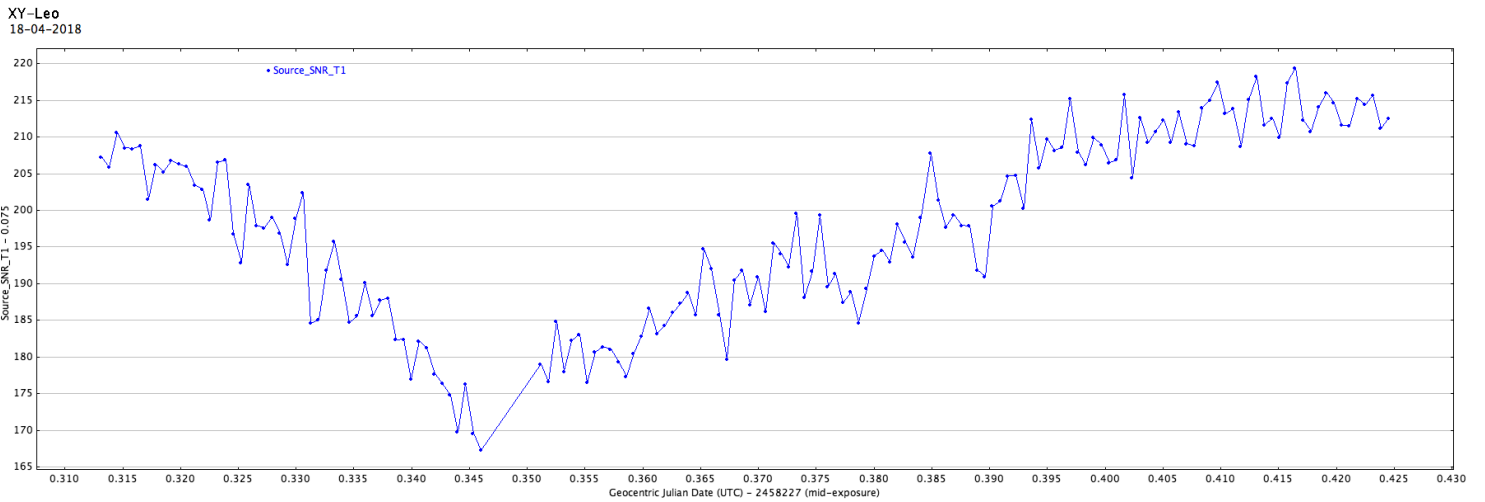
Magnitude



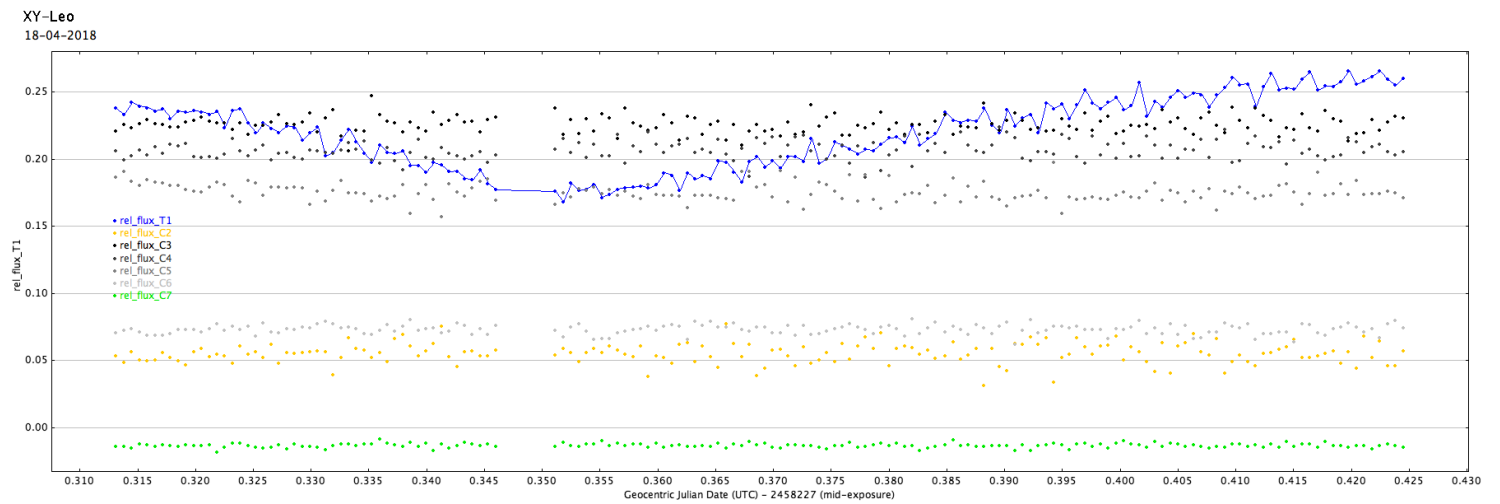
Error Target



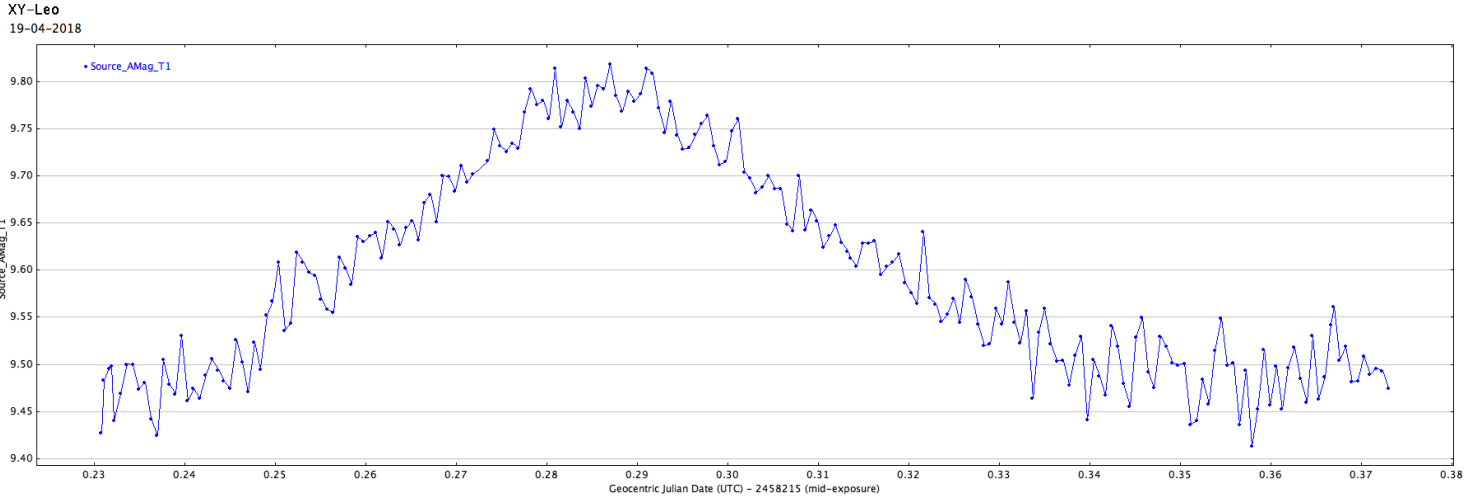
SNR Target



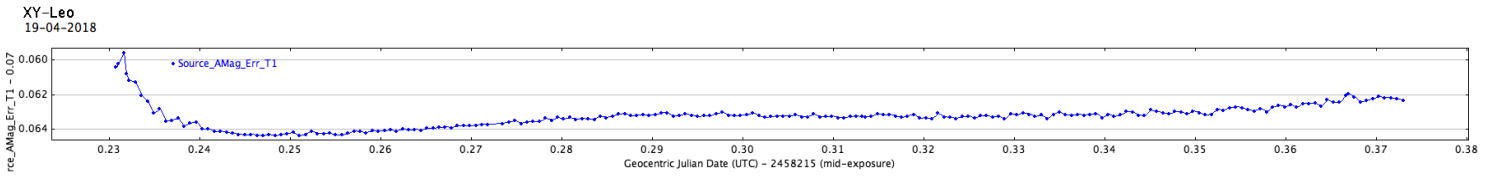
Relative Flux



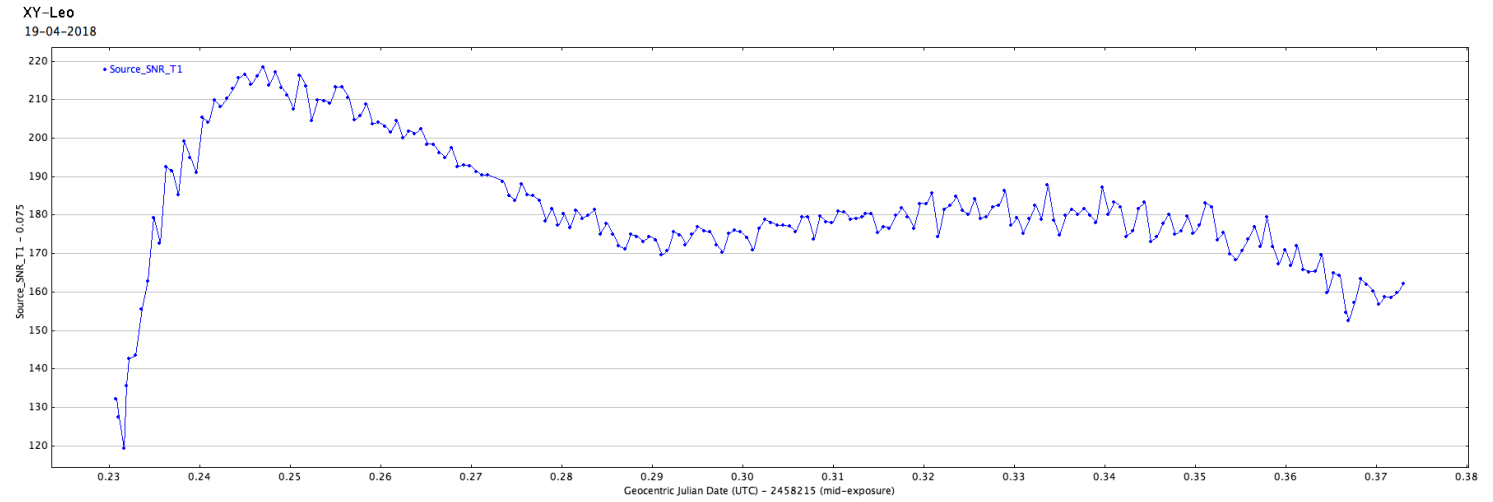
Magnitude



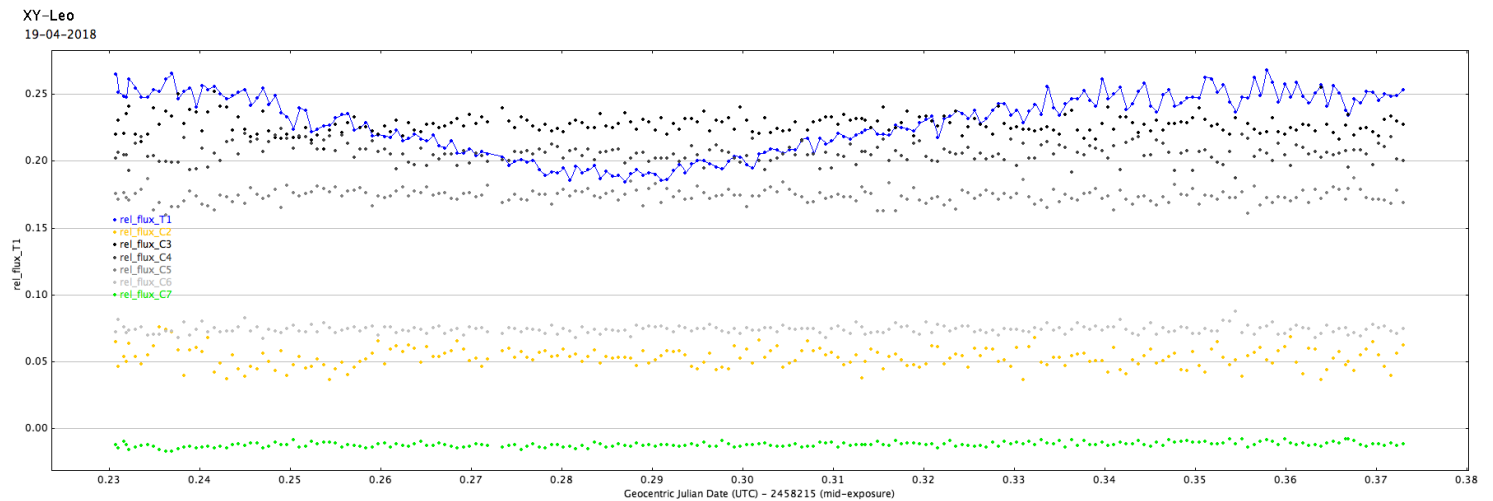
Error Target



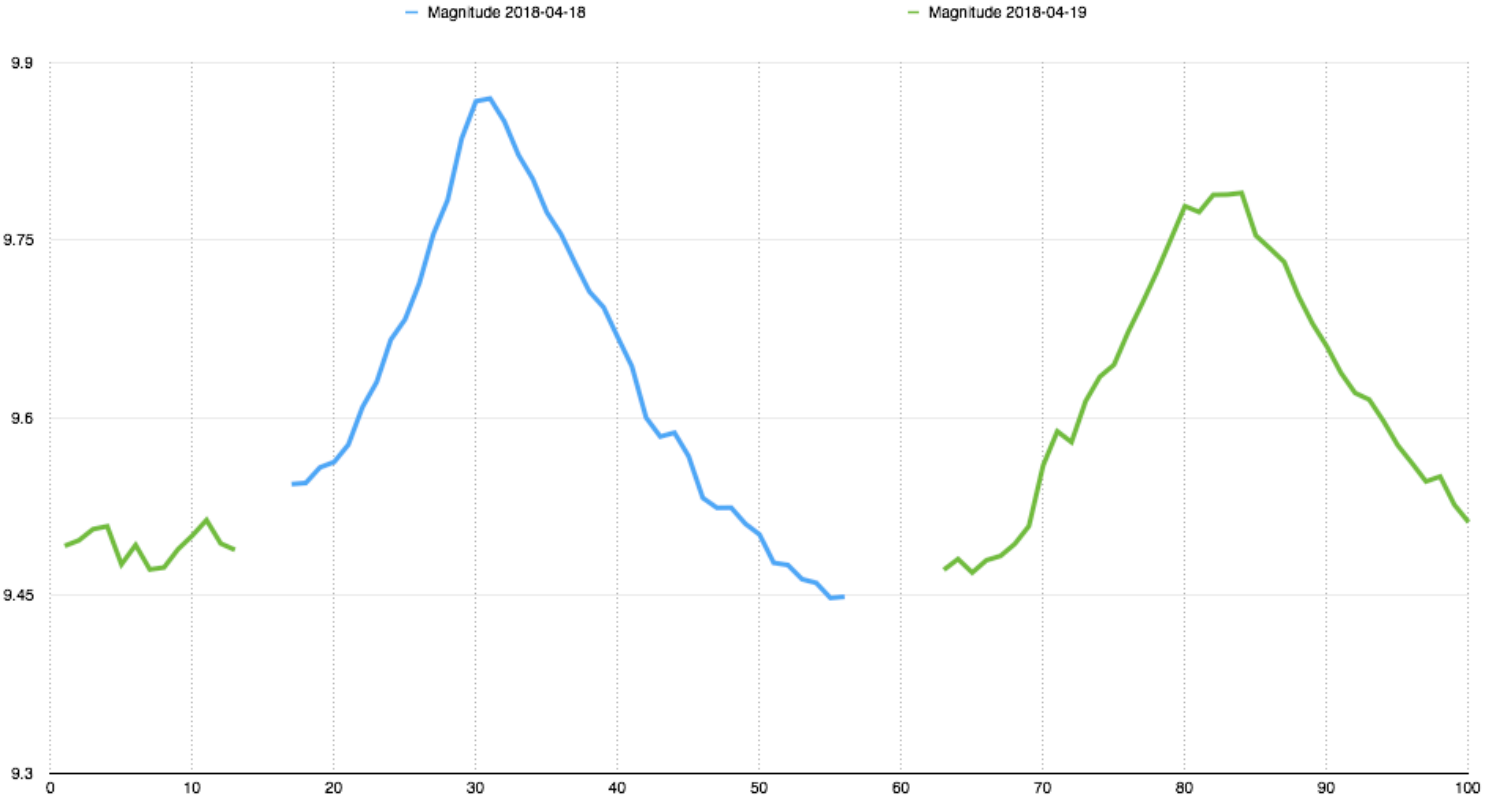
SNR Target



Relative Flux

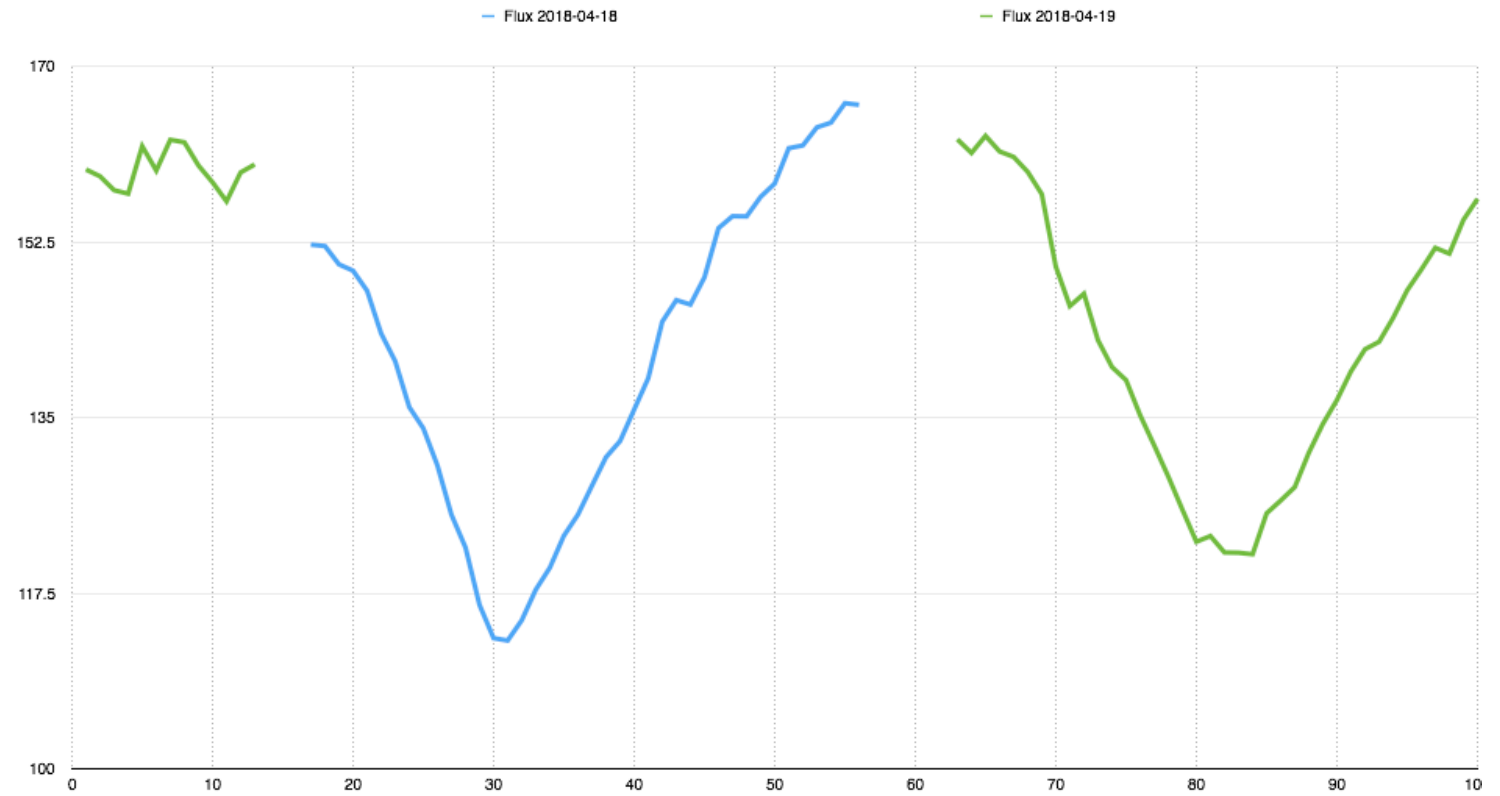


Magnitude



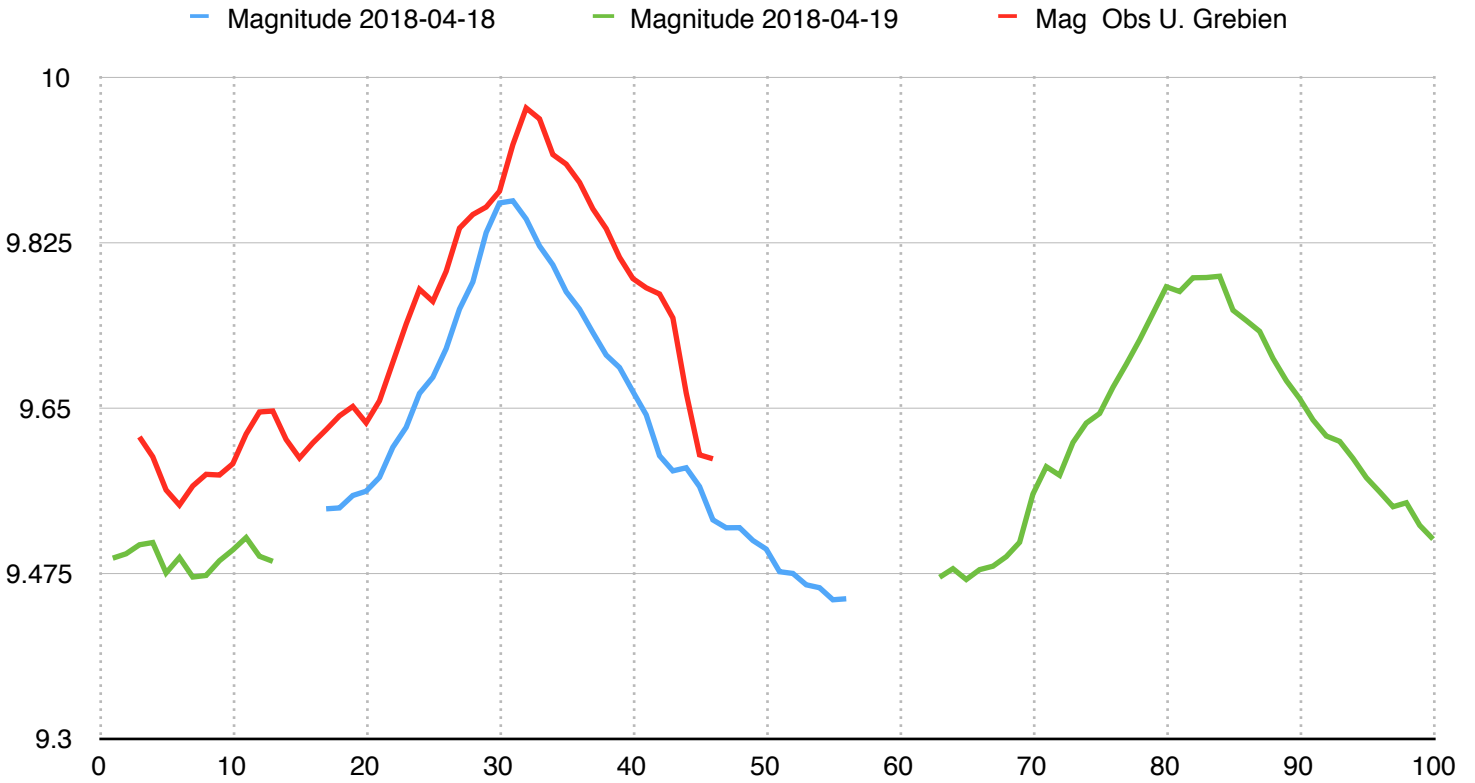
Normalized Flux

(Mag 0 -> Flux 1'000'000 — Mag 15 -> Flux 1)



Observations Combined + Observation of Ulrich Grebien (red) from 2018-04-06

Magnitude



Magnitude (Epoch shifted 31% of 1 Period)

