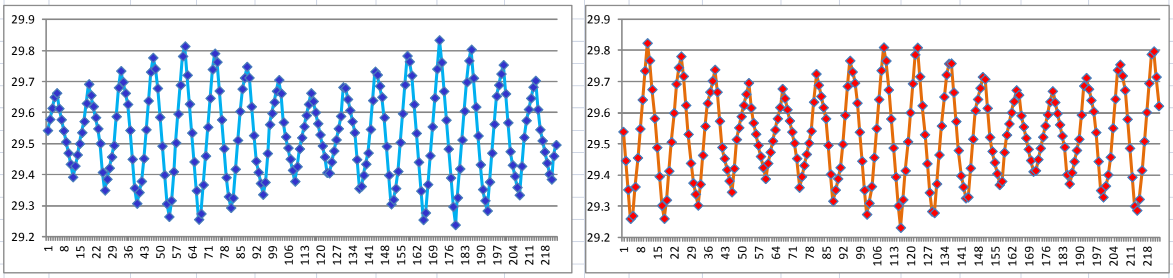
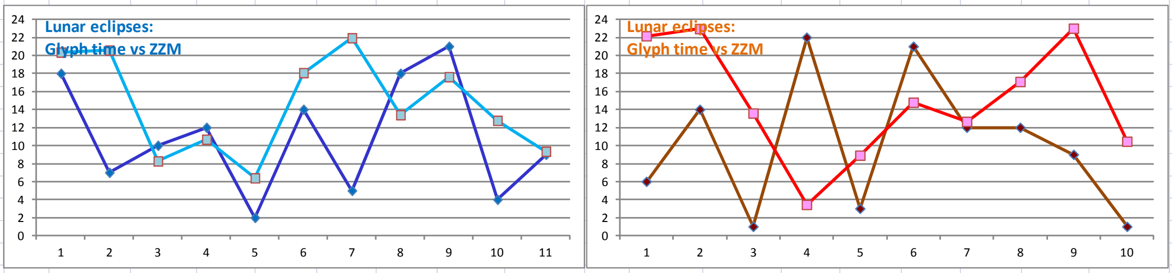


			LUNAR			RMS err	Round err		Total	Round err	SOLAR			RMS err	Round err
Synodic month	29.531	days	Month	Glyph t	Calc t	5.35	5.27	L + S		6.45	Month	Glyph t	Calc t	8.10	7.55
Anomalistic month	27.554	days	20	18	20.35	2.346	2				25	6	22.15	7.846	8
Year	365.250	days	26	7	20.57	10.428	10				72	14	22.95	8.954	9
			79	10	8.26	1.735	2				78	1	13.58	11.416	11
Min lu 29d +	7.36		114	12	10.68	1.322	1				119	22	3.44	5.436	5
Max lu 29d +	18.14		125	2	6.39	4.391	4				125	3	8.90	5.903	6
Min sc 29d +	-2.12		131	14	18.07	4.067	4				131	21	14.78	6.217	6
Max sc 29d +	2.12		137	5	21.94	7.062	7				137	12	12.66	0.656	1
			172	18	13.40	4.604	5				172	12	17.08	5.082	5
Lun anom at FM_1	20.000	days	178	21	17.62	3.384	3	Lun anom at FM_1	20.000	days	178	9	23.00	10.003	10
Sol anom at FM_1	240.000	days	184	4	12.77	8.769	9	Sol anom at FM_1	240.000	days	184	1	10.45	9.454	9
			190	9	9.34	0.342	0								



	Lun anom at FM_1	20.00	days		Min	29.238	
	Sol anom at FM_1	240.00	days		Mean	29.535	
	Lun ecl time	8.00	hrs mech		Max	29.833	

	LUNAR	LUNAR	LUNAR	LUNAR	LUNAR	LUNAR	LUNAR	LUNAR
	L_{apo}-FM	Lun>29d	S_{apo}-FM	Sol>29d	Tot>29d	Month	Acc	Time rel
Mnth	an. mnths	hours	years	hours	hours	days	days	hours
1	0.726	12.229	0.657	0.788	13.017	29.542	0.000	8.000
2	0.798	13.776	0.738	0.102	13.879	29.578	29.578	21.879
3	0.869	15.323	0.819	-0.583	14.740	29.614	59.192	12.618
4	0.941	16.870	0.900	-1.269	15.601	29.650	88.842	4.220
5	0.013	17.863	0.980	-1.955	15.909	29.663	118.505	20.128
6	0.085	16.316	0.061	-1.600	14.716	29.613	148.119	10.844
7	0.156	14.769	0.142	-0.914	13.855	29.577	177.696	0.699
8	0.228	13.222	0.223	-0.229	12.994	29.541	207.237	13.693
9	0.300	11.675	0.304	0.457	12.132	29.506	236.743	1.825
10	0.372	10.129	0.385	1.143	11.271	29.470	266.212	13.097
11	0.443	8.582	0.466	1.828	10.410	29.434	295.646	23.506
12	0.515	7.685	0.546	1.726	9.411	29.392	325.038	8.918

	Lun anom at NM_1	7.21	days		Min	29.232	
	Sol anom at NM_1	254.77	days		Mean	29.528	
	Sol ecl time	12.00	hrs mech		Max	29.823	

	SOLAR	SOLAR	SOLAR	SOLAR	SOLAR	SOLAR	SOLAR	SOLAR
	L_{apo}-NM	Lun>29d	S_{apo}-FM	Sol>29d	Tot>29d	Month	Acc	Time rel
Mnth	an. mnths	hours	years	hours	hours	days	days	hours
1	0.262	12.497	0.698	0.445	12.942	29.539	0.000	12.000
2	0.333	10.950	0.778	-0.240	10.710	29.446	29.446	22.710
3	0.405	9.403	0.859	-0.926	8.477	29.353	58.799	7.187
4	0.477	7.856	0.940	-1.612	6.245	29.260	88.060	13.432
5	0.549	8.410	0.021	-1.943	6.468	29.269	117.329	19.900
6	0.620	9.957	0.102	-1.257	8.700	29.363	146.692	4.600
7	0.692	11.504	0.183	-0.571	10.933	29.456	176.147	15.533
8	0.764	13.051	0.263	0.114	13.165	29.549	205.696	4.698
9	0.836	14.598	0.344	0.800	15.398	29.642	235.337	20.096
10	0.907	16.145	0.425	1.485	17.630	29.735	265.072	13.726
11	0.979	17.692	0.506	2.069	19.761	29.823	294.895	9.487
12	0.051	17.041	0.587	1.383	18.425	29.768	324.663	3.912

Courtesy Tony Freeth, 2013

Figure S17 | Excel spreadsheet that calculates ZZM with arbitrary input parameters. Only the first 12 rows of 223 rows of calculation are shown. For these parameters, the match is very poor.