

AMO (#0246): Total of **91** orbits. $\lambda_{\theta} = 239^{\circ}$, $\lambda_g - \lambda_{\theta} = 239.7^{\circ}$, $\beta_g = -19.9^{\circ}$, $\Delta r = 3^{\circ}$, $\Delta \lambda_{\theta} = 5^{\circ}$. It has been claimed that the AMO activity is short with an outburst nature but this shower has been observed every year with a duration of several days.

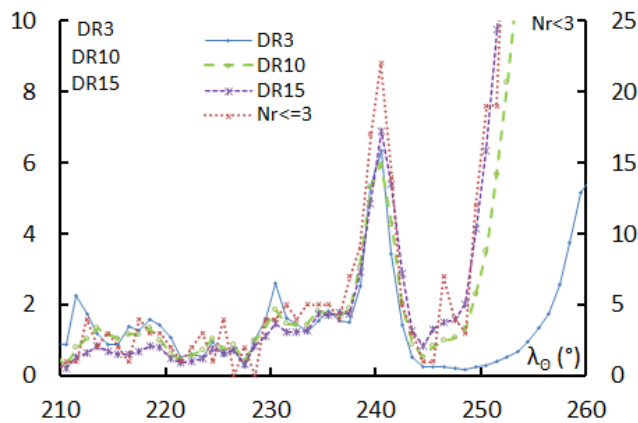
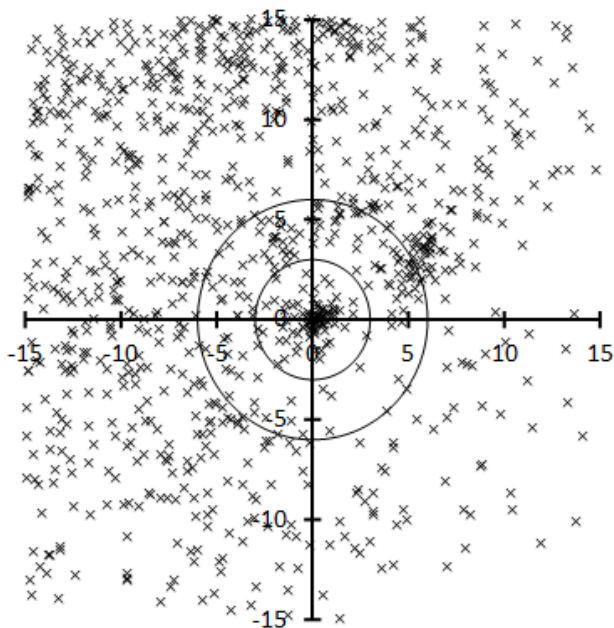


Table 1 – Number per year.

Year	N	Year	N
2007	7	2013	17
2008	5	2014	14
2009	10	2015	3
2010	4	2016	5
2011	11	2017	2
2012	5	2018	8

Table 2 – Activity profiles.

	λ_{θ}	Max
Nr<=3	240.5	22
DR3	240.5	6.4
DR10	240.5	6.0
DR15	240.5	6.9

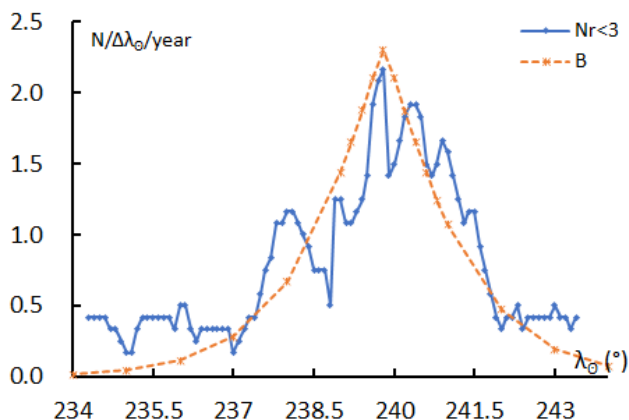


Table 3 – Evolution of the orbital parameters during the activity period.

λ_{θ}	$\lambda_g - \lambda_{\theta}$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{Π}	β_{Π}	a
230	243.3	-21.7	111.5	0.0	61.3	0.895	0.552	132.4	86.4	50.0	325.4	47.5	5.28
231	242.9	-21.6	112.1	0.0	61.3	0.902	0.543	132.5	87.2	51.0	325.2	47.4	5.54
232	242.5	-21.4	112.7	0.1	61.3	0.908	0.535	132.6	88.0	52.0	325.0	47.4	5.83
233	242.2	-21.2	113.3	0.2	61.4	0.915	0.527	132.7	88.8	53.0	324.8	47.3	6.17
234	241.8	-21.0	114.0	0.3	61.4	0.921	0.518	132.8	89.6	54.0	324.6	47.2	6.55
235	241.4	-20.9	114.6	0.4	61.4	0.927	0.510	132.9	90.4	55.0	324.5	47.1	7.00
236	241.1	-20.7	115.2	0.4	61.5	0.933	0.502	132.9	91.1	56.0	324.3	47.0	7.51
237	240.7	-20.5	115.8	0.5	61.5	0.939	0.494	133.0	91.9	57.0	324.2	46.9	8.12
238	240.3	-20.3	116.4	0.6	61.5	0.945	0.486	133.1	92.7	58.0	324.1	46.8	8.85
239	240.0	-20.1	117.1	0.6	61.6	0.951	0.478	133.2	93.4	59.0	324.0	46.7	9.74
239.2	239.9	-20.1	117.2	0.6	61.6	0.952	0.476	133.2	93.6	59.2	324.0	46.7	9.94
239.4	239.8	-20.1	117.3	0.6	61.6	0.953	0.474	133.2	93.7	59.4	324.0	46.6	10.15
239.6	239.8	-20.0	117.4	0.7	61.6	0.954	0.473	133.2	93.9	59.6	323.9	46.6	10.37
239.8	239.7	-20.0	117.6	0.7	61.6	0.956	0.471	133.3	94.0	59.8	323.9	46.6	10.60
240	239.6	-20.0	117.7	0.7	61.6	0.957	0.470	133.3	94.2	60.0	323.9	46.6	10.84
240.2	239.5	-19.9	117.8	0.7	61.6	0.958	0.468	133.3	94.3	60.2	323.9	46.5	11.10
240.4	239.5	-19.9	117.9	0.7	61.6	0.959	0.466	133.3	94.5	60.4	323.9	46.5	11.37
240.6	239.4	-19.8	118.1	0.7	61.6	0.960	0.465	133.3	94.6	60.6	323.9	46.5	11.65
240.8	239.3	-19.8	118.2	0.7	61.6	0.961	0.463	133.4	94.8	60.8	323.9	46.4	11.94
240	239.6	-20.0	117.7	0.7	61.6	0.957	0.470	133.3	94.2	60.0	323.9	46.6	10.84

Table 3 – Continued, evolution of the orbital parameters during the activity period.

λ_{θ}	$\lambda_g - \lambda_{\theta}$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{Π}	β_{Π}	a
241	239.3	-19.8	118.3	0.7	61.6	0.962	0.462	133.4	94.9	61.0	323.8	46.4	12.26
242	238.9	-19.6	118.9	0.8	61.7	0.968	0.454	133.5	95.7	62.0	323.8	46.3	14.12
243	238.5	-19.4	119.6	0.9	61.7	0.973	0.446	133.5	96.4	63.0	323.7	46.1	16.71
244	238.2	-19.2	120.2	0.9	61.7	0.979	0.438	133.6	97.2	64.0	323.7	45.9	20.52
245	237.8	-19.0	120.8	1.0	61.8	0.984	0.430	133.7	97.9	65.0	323.7	45.7	26.69