

KUM (#0445): Total of 218 orbits. $\lambda_o = 225^\circ$, $\lambda_g - \lambda_o = 268.2^\circ$, $\beta_g = 29.8^\circ$, $\Delta r = 3^\circ$, $\Delta \lambda_o = 5^\circ$.

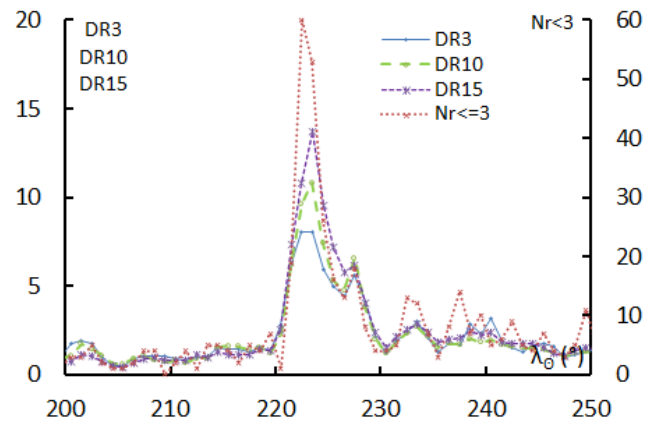
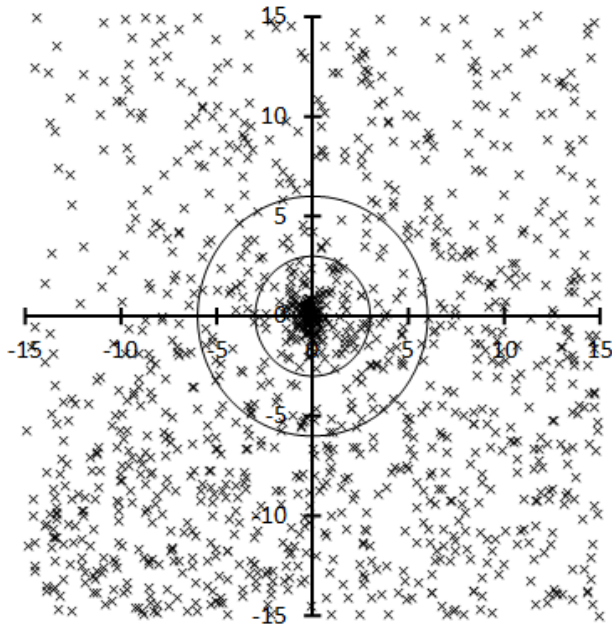


Table 1 – Number per year.

Year	N	Year	N
2007	0	2013	17
2008	18	2014	16
2009	26	2015	18
2010	32	2016	27
2011	3	2017	34
2012	14	2018	13

Table 2 – Activity profiles.

	λ_o	Max
Nr<=3	222.5	60
DR3	222.5	8.1
DR10	223.5	10.8
DR15	223.5	13.7

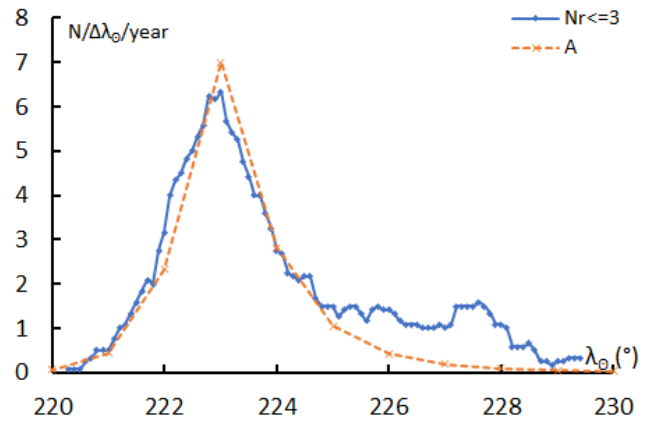


Table 3 – Evolution of the orbital parameters during the activity period.

λ_o	$\lambda_g - \lambda_o$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{π}	β_{π}	a
215	268.2	29.6	135.3	48.0	66.3	1.069	0.991	130.2	185.9	215.0	31.2	-4.5	-14.4
216	268.1	29.6	136.4	47.7	66.1	1.049	0.990	130.1	186.1	216.0	32.0	-4.7	-20.3
217	268.1	29.6	137.6	47.4	65.9	1.029	0.990	130.0	186.3	217.0	32.9	-4.9	-34.6
218	268.0	29.6	138.7	47.1	65.7	1.009	0.989	129.9	186.6	218.0	33.8	-5.0	-114
219	268.0	29.6	139.8	46.8	65.5	0.989	0.989	129.8	186.8	219.0	34.7	-5.2	88.66
220	267.9	29.6	140.9	46.5	65.3	0.969	0.989	129.7	187.0	220.0	35.5	-5.4	32.06
221	267.8	29.5	142.1	46.2	65.1	0.950	0.988	129.6	187.2	221.0	36.4	-5.6	19.62
222	267.8	29.5	143.2	45.9	64.9	0.930	0.988	129.5	187.5	222.0	37.2	-5.8	14.15
223	267.7	29.5	144.2	45.6	64.7	0.911	0.987	129.4	187.7	223.0	38.1	-6.0	11.09
224	267.7	29.5	145.3	45.3	64.4	0.892	0.987	129.3	188.0	224.0	38.9	-6.2	9.12
225	267.6	29.5	146.4	45.0	64.2	0.873	0.986	129.2	188.2	225.0	39.8	-6.4	7.75
226	267.6	29.5	147.5	44.6	64.0	0.854	0.986	129.1	188.5	226.0	40.6	-6.6	6.75
227	267.5	29.5	148.5	44.3	63.8	0.835	0.985	129.0	188.8	227.0	41.4	-6.8	5.98
228	267.5	29.5	149.6	44.0	63.6	0.817	0.985	128.9	189.1	228.0	42.3	-7.1	5.37
229	267.4	29.5	150.6	43.6	63.4	0.798	0.984	128.8	189.4	229.0	43.1	-7.3	4.88
230	267.3	29.4	151.6	43.3	63.2	0.780	0.984	128.7	189.7	230.0	43.9	-7.5	4.47
231	267.3	29.4	152.7	43.0	63.0	0.762	0.983	128.6	190.0	231.0	44.7	-7.8	4.13
232	267.2	29.4	153.7	42.6	62.8	0.744	0.982	128.5	190.3	232.0	45.5	-8.1	3.83
233	267.2	29.4	154.7	42.3	62.6	0.726	0.982	128.4	190.7	233.0	46.3	-8.3	3.58
234	267.1	29.4	155.7	41.9	62.3	0.708	0.981	128.3	191.0	234.0	47.1	-8.6	3.36
235	267.1	29.4	156.7	41.6	62.1	0.690	0.981	128.1	191.4	235.0	47.9	-8.9	3.17