

**SLY\_1 (#0081):** Total of 82 orbits.  $\lambda_0 = 186^\circ$ ,  $\lambda_g - \lambda_0 = 278.8^\circ$ ,  $\beta_g = 26.0^\circ$ ,  $\Delta r = 3^\circ$ ,  $\Delta \lambda_0 = 10^\circ$ . SLY in the SD contains clearly two meteor showers. Here we call SLY0 and SLY2 in the SD as SLY\_0 and SLY1 as SLY\_1 in Tables 1 to 3.

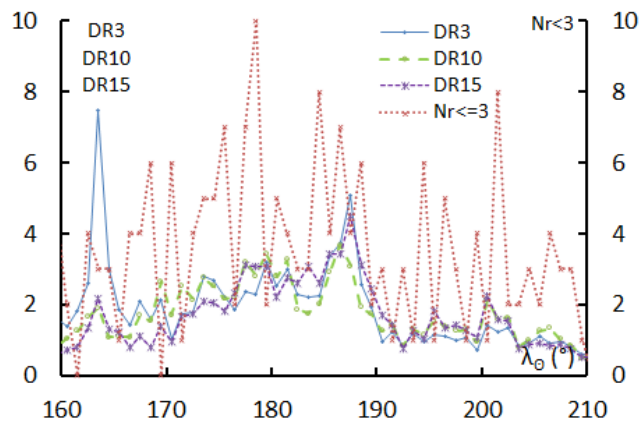
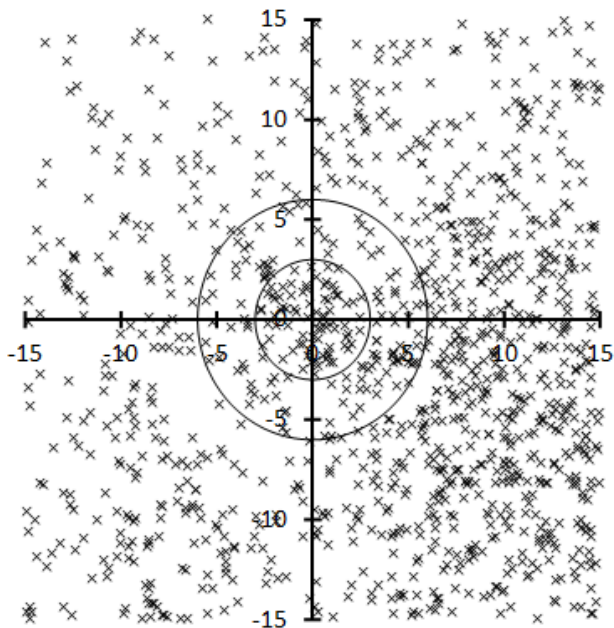


Table 1 – Number per year.

Year	N	Year	N
2007	5	2013	17
2008	0	2014	12
2009	1	2015	8
2010	10	2016	3
2011	11	2017	5
2012	5	2018	5

Table 2 – Activity profiles.

	$\lambda_0$	Max
Nr<=3	178.5	10
DR3	187.5	5.1
DR10	186.5	3.7
DR15	187.5	4.5

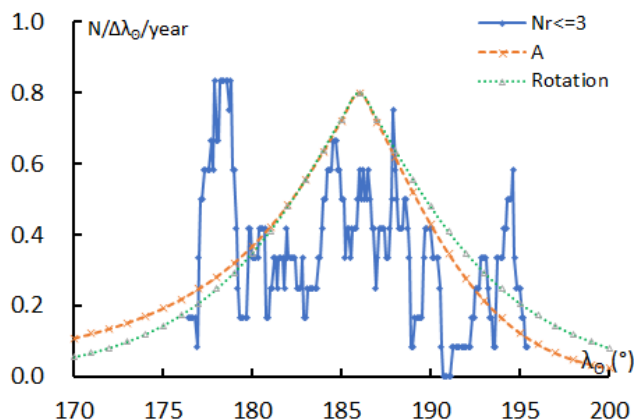


Table 3 – Evolution of the orbital parameters during the activity period.

$\lambda_0$	$\lambda_g - \lambda_0$	$\beta_g$	$\alpha_g$	$\delta_g$	$\nu_g$	$e$	$q$	$i$	$\omega$	$\Omega$	$\lambda_\pi$	$\beta_\pi$	$a$
170	283.2	26.9	94.5	50.3	63.9	0.902	0.906	131.9	142.1	170.0	17.5	27.2	9.24
171	283.0	26.8	95.6	50.2	64.0	0.903	0.908	132.1	142.6	171.0	18.1	26.8	9.40
172	282.8	26.7	96.7	50.0	64.1	0.905	0.911	132.3	143.2	172.0	18.7	26.3	9.58
173	282.6	26.6	97.8	49.9	64.2	0.907	0.913	132.5	143.8	173.0	19.3	25.8	9.77
174	282.4	26.6	98.9	49.8	64.3	0.908	0.915	132.7	144.3	174.0	20.0	25.4	9.97
175	282.2	26.5	100.0	49.7	64.4	0.910	0.918	132.9	144.9	175.0	20.6	24.9	10.18
176	282.1	26.4	101.1	49.5	64.5	0.912	0.920	133.2	145.5	176.0	21.2	24.4	10.40
177	281.9	26.3	102.2	49.4	64.6	0.913	0.923	133.4	146.0	177.0	21.8	24.0	10.64
178	281.7	26.2	103.3	49.2	64.7	0.915	0.925	133.6	146.6	178.0	22.4	23.5	10.90
179	281.5	26.1	104.4	49.0	64.8	0.917	0.927	133.8	147.2	179.0	23.1	23.0	11.17
180	281.3	26.0	105.5	48.9	64.9	0.919	0.929	134.0	147.7	180.0	23.7	22.6	11.46
181	281.1	26.0	106.6	48.7	65.0	0.921	0.931	134.2	148.3	181.0	24.3	22.1	11.78
182	280.9	25.9	107.7	48.5	65.1	0.923	0.934	134.4	148.9	182.0	24.9	21.7	12.12
183	280.7	25.8	108.7	48.3	65.2	0.925	0.936	134.6	149.4	183.0	25.5	21.2	12.48
184	280.5	25.7	109.8	48.1	65.3	0.927	0.938	134.8	150.0	184.0	26.1	20.8	12.88
185	280.3	25.6	110.9	47.9	65.4	0.929	0.940	135.0	150.6	185.0	26.8	20.3	13.31
186	280.1	25.5	111.9	47.7	65.5	0.932	0.942	135.3	151.1	186.0	27.4	19.9	13.78
187	280.0	25.4	113.0	47.5	65.6	0.934	0.944	135.5	151.7	187.0	28.0	19.4	14.30
188	279.8	25.3	114.0	47.3	65.7	0.936	0.946	135.7	152.3	188.0	28.6	19.0	14.86
189	279.6	25.2	115.0	47.1	65.8	0.939	0.947	135.9	152.8	189.0	29.2	18.5	15.48
190	279.4	25.2	116.1	46.9	65.9	0.941	0.949	136.1	153.4	190.0	29.8	18.1	16.17

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

$\lambda_o$	$\lambda_g - \lambda_o$	$\beta_g$	$\alpha_g$	$\delta_g$	$v_g$	$e$	$q$	$i$	$\omega$	$\Omega$	$\lambda_{\Pi}$	$\beta_{\Pi}$	$a$
191	279.2	25.1	117.1	46.6	66.0	0.944	0.951	136.3	154.0	191.0	30.4	17.7	16.94
192	279.0	25.0	118.1	46.4	66.1	0.946	0.953	136.5	154.5	192.0	31.0	17.2	17.79
193	278.8	24.9	119.1	46.1	66.2	0.949	0.954	136.7	155.1	193.0	31.7	16.8	18.76
194	278.6	24.8	120.1	45.9	66.3	0.952	0.956	136.9	155.7	194.0	32.3	16.4	19.86
195	278.5	24.7	121.1	45.6	66.4	0.955	0.958	137.1	156.2	195.0	32.9	15.9	21.11
196	278.3	24.6	122.1	45.4	66.5	0.957	0.959	137.3	156.8	196.0	33.5	15.5	22.57
197	278.1	24.5	123.1	45.1	66.6	0.960	0.961	137.5	157.4	197.0	34.1	15.1	24.26
198	277.9	24.4	124.1	44.9	66.7	0.963	0.962	137.7	157.9	198.0	34.7	14.7	26.27
199	277.7	24.3	125.1	44.6	66.8	0.966	0.964	137.9	158.5	199.0	35.3	14.2	28.68
200	277.5	24.3	126.1	44.3	66.9	0.969	0.965	138.1	159.0	200.0	35.9	13.8	31.63