

**JLE (#0319):** Total of 66 orbits.  $\lambda_o = 281^\circ$ ,  $\lambda_g - \lambda_o = 219.6^\circ$ ,  $\beta_g = 10.3^\circ$ ,  $\Delta r = 3^\circ$ ,  $\Delta \lambda_o = 5^\circ$ .

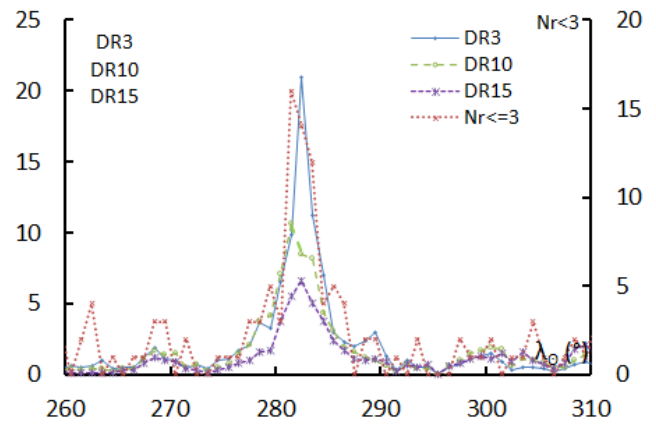
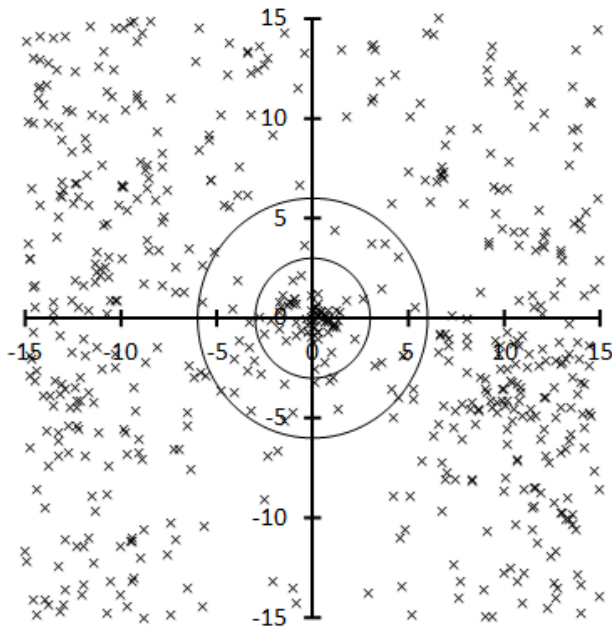


Table 1 – Number per year.

Year	N	Year	N
2007	1	2013	8
2008	4	2014	5
2009	7	2015	4
2010	5	2016	6
2011	9	2017	5
2012	4	2018	8

Table 2 – Activity profiles.

	$\lambda_o$	Max
Nr<=3	281.5	16
DR3	282.5	21.0
DR10	281.5	10.6
DR15	282.5	6.7

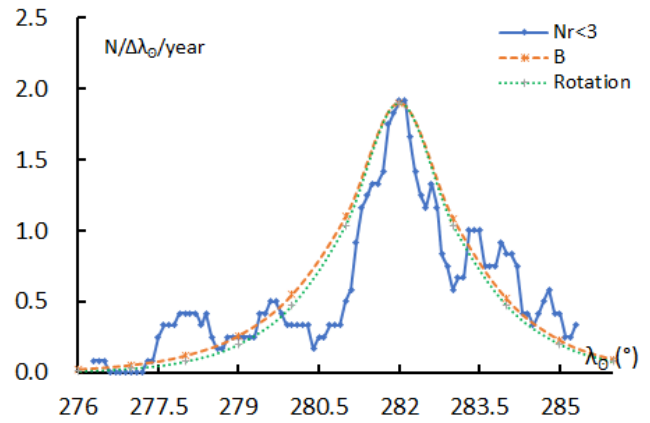


Table 3 – Evolution of the orbital parameters during the activity period.

$\lambda_o$	$\lambda_g - \lambda_o$	$\beta_g$	$\alpha_g$	$\delta_g$	$v_g$	$e$	$q$	$i$	$\omega$	$\Omega$	$\lambda_{\pi}$	$\beta_{\pi}$	$a$
270	223.5	10.7	139.4	27.0	51.4	0.976	0.062	115.3	333.8	270.0	281.9	-23.5	2.60
271	223.2	10.7	140.1	26.7	51.5	0.978	0.060	114.5	334.0	271.0	282.5	-23.5	2.72
272	222.9	10.6	140.8	26.5	51.5	0.979	0.059	113.7	334.1	272.0	283.1	-23.6	2.85
273	222.5	10.6	141.5	26.2	51.6	0.981	0.058	112.9	334.2	273.0	283.6	-23.6	3.00
274	222.2	10.5	142.2	26.0	51.6	0.982	0.057	112.1	334.4	274.0	284.2	-23.6	3.16
275	221.9	10.5	142.8	25.7	51.7	0.983	0.056	111.2	334.5	275.0	284.8	-23.7	3.34
276	221.6	10.4	143.5	25.5	51.7	0.985	0.055	110.3	334.6	276.0	285.4	-23.7	3.55
277	221.2	10.4	144.2	25.2	51.8	0.986	0.054	109.4	334.7	277.0	285.9	-23.7	3.79
278	220.9	10.3	144.9	24.9	51.8	0.987	0.053	108.5	334.9	278.0	286.5	-23.8	4.05
279	220.6	10.3	145.5	24.7	51.9	0.988	0.052	107.5	335.0	279.0	287.0	-23.8	4.37
280	220.3	10.2	146.2	24.4	51.9	0.989	0.051	106.5	335.1	280.0	287.5	-23.8	4.74
281	219.9	10.2	146.9	24.1	52.0	0.990	0.050	105.5	335.2	281.0	288.0	-23.8	5.17
282	219.6	10.1	147.5	23.9	52.0	0.991	0.049	104.5	335.3	282.0	288.6	-23.8	5.71
283	219.3	10.1	148.2	23.6	52.1	0.992	0.048	103.4	335.4	283.0	289.1	-23.9	6.36
284	219.0	10.0	148.9	23.3	52.1	0.993	0.047	102.4	335.5	284.0	289.6	-23.9	7.20
285	218.6	10.0	149.5	23.0	52.2	0.994	0.046	101.3	335.6	285.0	290.1	-23.9	8.29
286	218.3	9.9	150.2	22.8	52.2	0.995	0.046	100.1	335.7	286.0	290.5	-23.9	9.79
287	218.0	9.9	150.8	22.5	52.3	0.996	0.045	99.0	335.8	287.0	291.0	-23.9	11.95
288	217.7	9.8	151.5	22.2	52.3	0.997	0.044	97.8	335.9	288.0	291.5	-23.9	15.38
289	217.3	9.8	152.1	21.9	52.4	0.998	0.044	96.6	335.9	289.0	291.9	-23.9	21.62
290	217.0	9.7	152.8	21.6	52.4	0.999	0.043	95.3	336.0	290.0	292.4	-23.9	36.53