

LYR (#0006): Total of **810** orbits. $\lambda_o = 32.4^\circ$, $\lambda_g - \lambda_o = 240.6^\circ$, $\beta_g = 56.7^\circ$, $\Delta r = 2^\circ$, $\Delta \lambda_o = 5^\circ$.

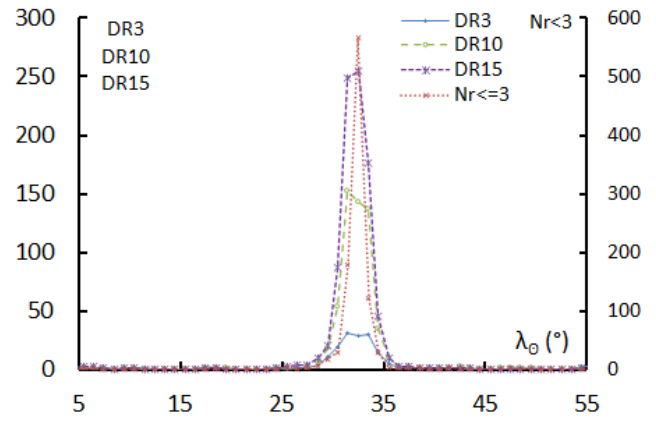
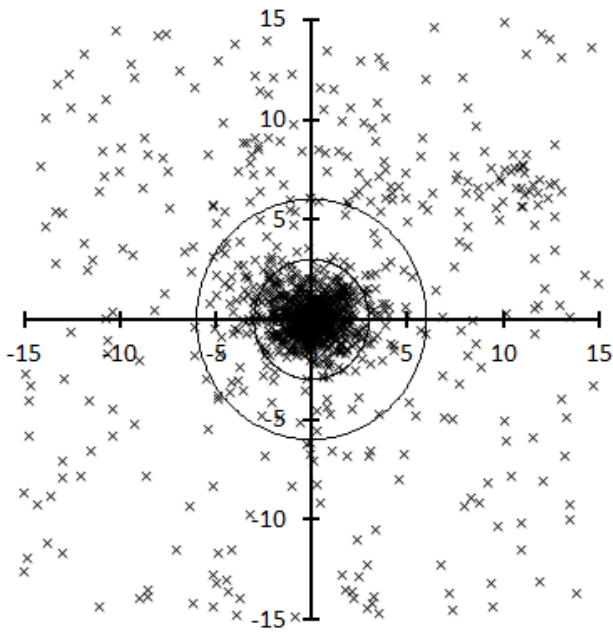


Table 1 – Number per year.

Year	N	Year	N
2007	3	2013	131
2008	57	2014	106
2009	72	2015	103
2010	15	2016	24
2011	27	2017	125
2012	9	2018	138

Table 2 – Activity profiles.

	λ_o	Max
Nr<=3	32.5	566
DR3	31.5	30.6
DR10	31.5	152.8
DR15	32.5	254.2

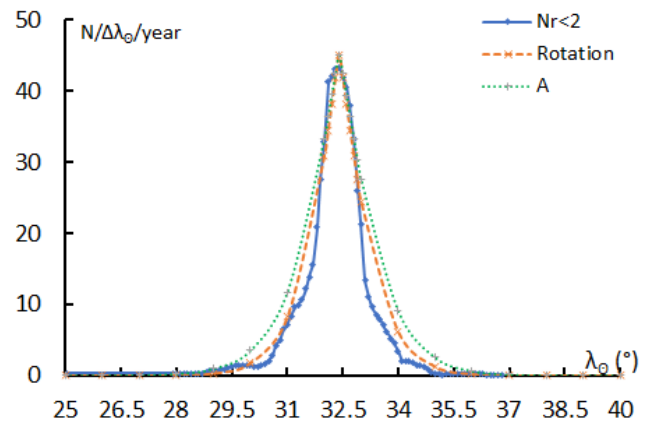


Table 3 – Evolution of the orbital parameters during the activity period.

λ_o	$\lambda_g - \lambda_o$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{Π}	β_{Π}	a
17	228.6	60.7	255.1	38.5	41.4	0.908	0.897	68.0	218.5	17.0	213.6	-35.3	9.78
18	229.5	60.5	256.2	38.1	41.7	0.911	0.898	68.8	218.3	18.0	214.0	-35.3	10.08
19	230.4	60.3	257.3	37.7	42.1	0.914	0.900	69.5	218.1	19.0	214.4	-35.3	10.41
20	231.3	60.0	258.4	37.3	42.4	0.916	0.901	70.3	217.9	20.0	214.7	-35.3	10.77
21	232.2	59.8	259.5	37.0	42.8	0.919	0.902	71.0	217.6	21.0	215.1	-35.3	11.15
22	233.1	59.5	260.6	36.6	43.1	0.922	0.904	71.8	217.4	22.0	215.4	-35.2	11.57
23	233.9	59.3	261.8	36.2	43.5	0.925	0.905	72.5	217.1	23.0	215.8	-35.1	12.02
24	234.7	59.0	262.9	35.9	43.8	0.928	0.907	73.3	216.8	24.0	216.2	-35.0	12.52
25	235.6	58.8	264.0	35.5	44.2	0.930	0.908	74.0	216.6	25.0	216.5	-34.9	13.07
26	236.4	58.5	265.1	35.2	44.5	0.933	0.910	74.8	216.3	26.0	216.9	-34.8	13.67
27	237.2	58.2	266.3	34.9	44.9	0.936	0.911	75.6	215.9	27.0	217.3	-34.6	14.35
28	238.0	58.0	267.4	34.6	45.2	0.940	0.913	76.3	215.6	28.0	217.6	-34.5	15.11
29	238.7	57.7	268.5	34.3	45.6	0.943	0.915	77.1	215.3	29.0	218.0	-34.3	15.97
30	239.5	57.4	269.7	34.0	45.9	0.946	0.916	77.8	215.0	30.0	218.4	-34.1	16.96
31	240.2	57.1	270.8	33.7	46.3	0.949	0.918	78.6	214.6	31.0	218.8	-33.8	18.09
32	241.0	56.8	271.9	33.4	46.6	0.953	0.920	79.4	214.3	32.0	219.2	-33.6	19.42
32.1	241.0	56.8	272.1	33.4	46.6	0.953	0.920	79.4	214.2	32.1	219.2	-33.6	19.57
32.2	241.1	56.8	272.2	33.3	46.7	0.953	0.920	79.5	214.2	32.2	219.2	-33.5	19.71
32.3	241.2	56.7	272.3	33.3	46.7	0.954	0.921	79.6	214.1	32.3	219.3	-33.5	19.86
32.4	241.3	56.7	272.4	33.3	46.8	0.954	0.921	79.7	214.1	32.4	219.3	-33.5	20.02
32.5	241.3	56.7	272.5	33.3	46.8	0.954	0.921	79.8	214.1	32.5	219.4	-33.5	20.17

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
32.6	241.4	56.6	272.6	33.2	46.8	0.955	0.921	79.8	214.0	32.6	219.4	-33.4	20.33
32.7	241.5	56.6	272.7	33.2	46.9	0.955	0.921	79.9	214.0	32.7	219.4	-33.4	20.49
32.8	241.6	56.6	272.9	33.2	46.9	0.955	0.922	80.0	214.0	32.8	219.5	-33.4	20.65
32.9	241.6	56.5	273.0	33.2	46.9	0.956	0.922	80.1	213.9	32.9	219.5	-33.3	20.82
33	241.7	56.5	273.1	33.1	47.0	0.956	0.922	80.1	213.9	33.0	219.6	-33.3	20.99
34	242.4	56.2	274.2	32.9	47.3	0.960	0.924	80.9	213.5	34.0	220.0	-33.0	22.88
35	243.1	55.9	275.4	32.6	47.7	0.963	0.926	81.7	213.1	35.0	220.4	-32.7	25.19
36	243.8	55.6	276.5	32.4	48.0	0.967	0.928	82.4	212.7	36.0	220.8	-32.4	28.10
37	244.5	55.3	277.7	32.2	48.4	0.971	0.930	83.2	212.3	37.0	221.3	-32.1	31.85
38	245.2	55.0	278.9	31.9	48.7	0.975	0.932	84.0	211.9	38.0	221.7	-31.7	36.89
39	245.8	54.6	280.0	31.7	49.1	0.979	0.934	84.8	211.5	39.0	222.2	-31.3	44.02
40	246.5	54.3	281.2	31.5	49.4	0.983	0.936	85.5	211.0	40.0	222.7	-30.9	54.88
41	247.1	54.0	282.3	31.3	49.8	0.987	0.938	86.3	210.6	41.0	223.2	-30.5	73.44
42	247.7	53.7	283.5	31.1	50.1	0.992	0.940	87.1	210.1	42.0	223.7	-30.1	112
43	248.4	53.3	284.7	31.0	50.5	0.996	0.942	87.8	209.6	43.0	224.2	-29.6	245
44	249.0	53.0	285.9	30.8	50.8	1.001	0.945	88.6	209.1	44.0	224.8	-29.1	-1136
45	249.6	52.6	287.0	30.6	51.2	1.006	0.947	89.4	208.7	45.0	225.3	-28.7	-1679
46	250.2	52.3	288.2	30.5	51.5	1.011	0.949	90.2	208.2	46.0	225.9	-28.2	-89.6
47	250.7	51.9	289.4	30.4	51.9	1.016	0.951	90.9	207.7	47.0	226.5	-27.6	-60.6