

**ACB (#0429):** Total of 106 orbits.  $\lambda_o = 309.89^\circ$ ,  $\lambda_g - \lambda_o = 271.8^\circ$ ,  $\beta_g = 44.5^\circ$ ,  $\Delta r = 3^\circ$ ,  $\Delta \lambda_o = 5^\circ$ .

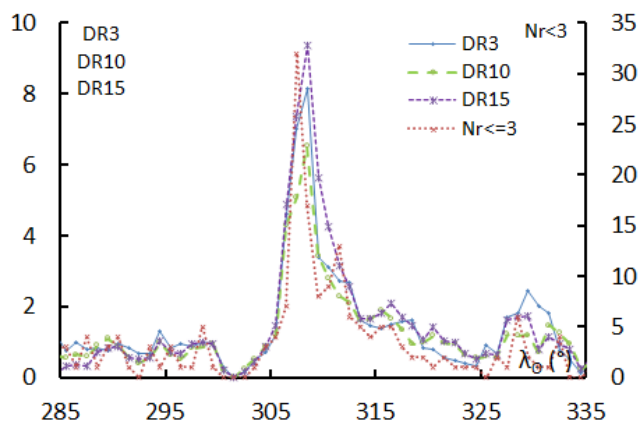
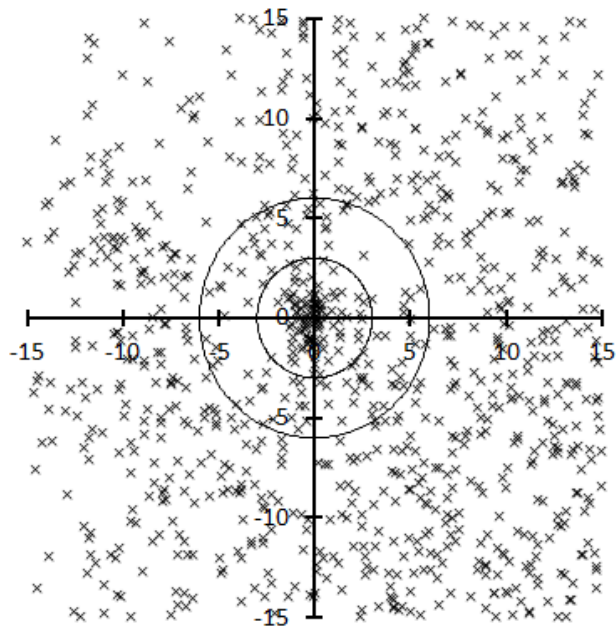


Table 1 – Number per year.

Year	N	Year	N
2007	5	2013	8
2008	4	2014	14
2009	14	2015	7
2010	8	2016	3
2011	17	2017	6
2012	8	2018	12

Table 2 – Activity profiles.

	$\lambda_o$	Max
Nr<=3	307.5	32
DR3	308.5	8.1
DR10	308.5	6.5
DR15	308.5	9.3

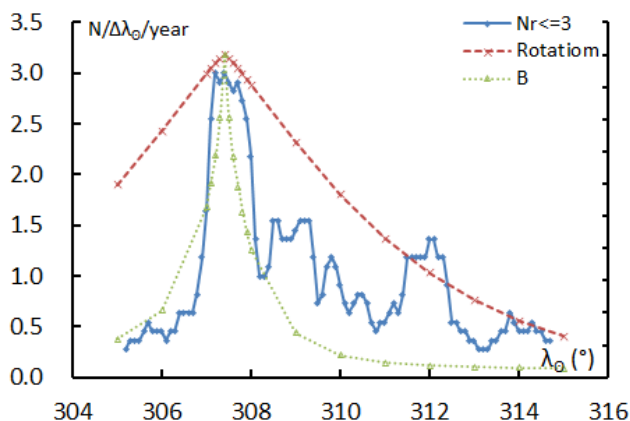


Table 3 – Evolution of the orbital parameters during the activity period.

$\lambda_o$	$\lambda_g - \lambda_o$	$\beta_g$	$\alpha_g$	$\delta_g$	$v_g$	$e$	$q$	$i$	$\omega$	$\Omega$	$\lambda_{\pi}$	$\beta_{\pi}$	$a$
300	267.0	48.0	224.0	34.2	53.4	0.787	0.982	97.7	185.6	300.0	119.2	-5.5	4.60
301	267.6	47.6	224.9	33.3	53.8	0.797	0.983	98.6	184.4	301.0	120.3	-4.3	4.84
302	268.2	47.2	225.9	32.5	54.2	0.808	0.984	99.4	183.1	302.0	121.5	-3.1	5.12
303	268.8	46.7	226.8	31.6	54.7	0.819	0.984	100.2	181.9	303.0	122.7	-1.9	5.45
304	269.4	46.3	227.8	30.8	55.1	0.831	0.984	101.1	180.7	304.0	123.9	-0.7	5.83
305	269.9	45.9	228.8	30.0	55.5	0.843	0.984	101.9	179.5	305.0	125.1	0.5	6.28
306	270.5	45.4	229.8	29.2	55.9	0.856	0.984	102.7	178.3	306.0	126.4	1.6	6.84
307	271.1	45.0	230.7	28.4	56.4	0.869	0.984	103.6	177.2	307.0	127.7	2.7	7.52
307.1	271.1	45.0	230.8	28.3	56.4	0.870	0.984	103.6	177.1	307.1	127.8	2.9	7.59
307.2	271.2	44.9	230.9	28.2	56.5	0.872	0.984	103.7	176.9	307.2	127.9	3.0	7.67
307.3	271.2	44.9	231.0	28.1	56.5	0.873	0.984	103.8	176.8	307.3	128.1	3.1	7.75
307.4	271.3	44.8	231.1	28.1	56.5	0.874	0.984	103.9	176.7	307.4	128.2	3.2	7.84
307.5	271.3	44.8	231.2	28.0	56.6	0.876	0.984	104.0	176.6	307.5	128.3	3.3	7.92
307.6	271.4	44.7	231.3	27.9	56.6	0.877	0.984	104.1	176.5	307.6	128.5	3.4	8.01
307.7	271.4	44.7	231.4	27.8	56.7	0.878	0.984	104.1	176.4	307.7	128.6	3.5	8.10
307.8	271.5	44.6	231.5	27.7	56.7	0.880	0.984	104.2	176.2	307.8	128.7	3.6	8.19
307.9	271.5	44.6	231.6	27.7	56.8	0.881	0.984	104.3	176.1	307.9	128.9	3.8	8.28
308	271.6	44.6	231.7	27.6	56.8	0.883	0.984	104.4	176.0	308.0	129.0	3.9	8.38
309	272.1	44.1	232.7	26.8	57.2	0.897	0.983	105.2	174.9	309.0	130.4	5.0	9.50
310	272.7	43.7	233.7	26.0	57.6	0.911	0.982	106.0	173.7	310.0	131.7	6.0	11.02
311	273.2	43.2	234.7	25.2	58.1	0.926	0.981	106.8	172.6	311.0	133.2	7.1	13.20

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

$\lambda_{\theta}$	$\lambda_g - \lambda_{\theta}$	$\beta_g$	$\alpha_g$	$\delta_g$	$v_g$	$e$	$q$	$i$	$\omega$	$\Omega$	$\lambda_{\Pi}$	$\beta_{\Pi}$	$a$
312	273.7	42.7	235.7	24.4	58.5	0.797	0.979	82.2	170.3	312.0	130.7	9.6	4.82
313	274.2	42.3	236.7	23.7	58.9	0.957	0.979	108.5	170.4	313.0	136.1	9.1	22.54
314	274.7	41.8	237.7	22.9	59.3	0.973	0.977	109.3	169.3	314.0	137.6	10.1	35.75
315	275.2	41.4	238.7	22.2	59.8	0.989	0.975	110.1	168.2	315.0	139.1	11.1	90.19
316	275.7	40.9	239.8	21.4	60.2	1.006	0.974	110.9	167.2	316.0	140.7	12.0	-159
317	276.1	40.4	240.8	20.7	60.6	1.023	0.972	111.7	166.1	317.0	142.2	12.9	-41.4
318	276.6	40.0	241.8	19.9	61.0	1.041	0.969	112.5	165.1	318.0	143.8	13.7	-23.5
319	277.1	39.5	242.9	19.2	61.5	1.059	0.967	113.3	164.1	319.0	145.4	14.6	-16.3
320	277.5	39.0	243.9	18.5	61.9	1.078	0.964	114.1	163.1	320.0	147.1	15.4	-12.4