

**AHY (#0331):** Total of 264 orbits.  $\lambda_o = 281.2^\circ$ ,  $\lambda_g - \lambda_o = 207.9^\circ$ ,  $\beta_g = -26.6^\circ$ ,  $\Delta r = 3^\circ$ ,  $\Delta \lambda_o = 10^\circ$ .

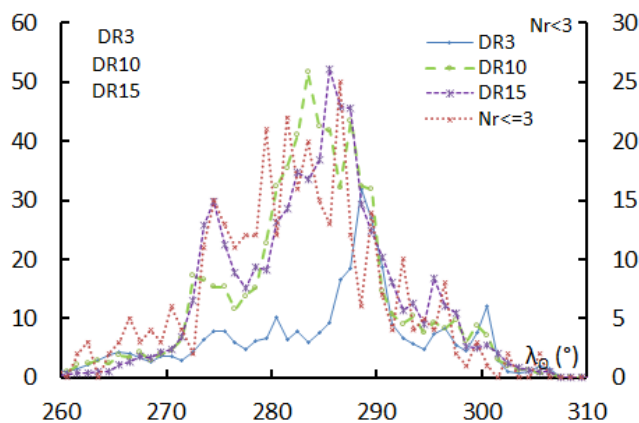
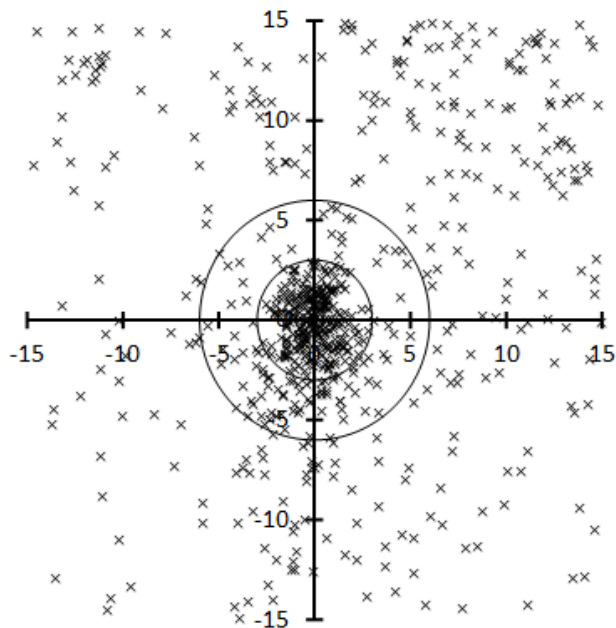


Table 1 – Number per year.

Year	N	Year	N
2007	11	2013	24
2008	18	2014	22
2009	26	2015	16
2010	27	2016	22
2011	28	2017	26
2012	15	2018	29

Table 2 – Activity profiles.

	$\lambda_o$	Max
Nr<=3	286.5	25
DR3	288.5	32.0
DR10	283.5	51.6
DR15	285.5	52.2

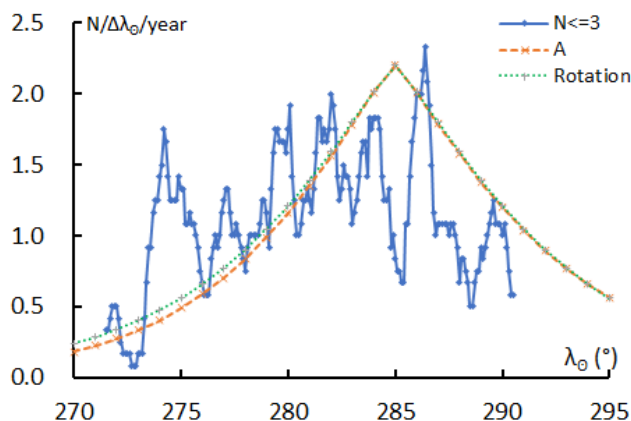


Table 3 – Evolution of the orbital parameters during the activity period.

$\lambda_o$	$\lambda_g - \lambda_o$	$\beta_g$	$\alpha_g$	$\delta_g$	$v_g$	$e$	$q$	$i$	$\omega$	$\Omega$	$\lambda_{\Pi}$	$\beta_{\Pi}$	$a$
264	213.0	-26.1	114.2	-4.9	45.9	0.962	0.260	68.8	120.0	84.0	232.0	53.8	6.86
265	212.8	-26.1	114.8	-5.0	45.7	0.962	0.261	68.3	119.9	85.0	232.2	53.6	6.92
266	212.5	-26.1	115.5	-5.2	45.6	0.963	0.262	67.7	119.7	86.0	232.4	53.5	6.99
267	212.3	-26.1	116.2	-5.3	45.5	0.963	0.263	67.1	119.6	87.0	232.6	53.3	7.06
268	212.0	-26.1	116.8	-5.5	45.4	0.963	0.264	66.6	119.4	88.0	232.8	53.1	7.13
269	211.8	-26.2	117.5	-5.6	45.3	0.963	0.265	66.0	119.2	89.0	233.0	52.9	7.20
270	211.5	-26.2	118.1	-5.8	45.1	0.963	0.267	65.5	119.1	90.0	233.2	52.7	7.27
271	211.3	-26.2	118.8	-5.9	45.0	0.964	0.268	64.9	118.9	91.0	233.5	52.5	7.34
272	211.0	-26.2	119.5	-6.1	44.9	0.964	0.269	64.4	118.7	92.0	233.7	52.3	7.42
273	210.8	-26.2	120.1	-6.3	44.8	0.964	0.270	63.8	118.5	93.0	233.9	52.1	7.49
274	210.5	-26.3	120.8	-6.4	44.7	0.964	0.272	63.3	118.3	94.0	234.2	51.9	7.57
275	210.3	-26.3	121.4	-6.6	44.5	0.964	0.273	62.8	118.1	95.0	234.4	51.7	7.65
276	210.0	-26.3	122.1	-6.8	44.4	0.965	0.275	62.2	117.9	96.0	234.7	51.4	7.73
277	209.8	-26.3	122.7	-6.9	44.3	0.965	0.276	61.7	117.7	97.0	234.9	51.2	7.82
278	209.5	-26.3	123.4	-7.1	44.2	0.965	0.278	61.2	117.5	98.0	235.2	51.0	7.91
279	209.3	-26.3	124.0	-7.3	44.1	0.965	0.279	60.7	117.3	99.0	235.5	50.8	8.00
280	209.0	-26.3	124.7	-7.5	43.9	0.965	0.281	60.2	117.1	100.0	235.8	50.6	8.09
281	208.8	-26.4	125.3	-7.7	43.8	0.965	0.282	59.7	116.8	101.0	236.0	50.4	8.18
282	208.5	-26.4	126.0	-7.9	43.7	0.966	0.284	59.1	116.6	102.0	236.3	50.1	8.28
283	208.3	-26.4	126.6	-8.0	43.6	0.966	0.286	58.6	116.4	103.0	236.6	49.9	8.37
284	208.0	-26.4	127.3	-8.2	43.5	0.966	0.287	58.2	116.1	104.0	236.9	49.7	8.47

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

$\lambda_{\theta}$	$\lambda_g - \lambda_{\theta}$	$\beta_g$	$\alpha_g$	$\delta_g$	$v_g$	$e$	$q$	$i$	$\omega$	$\Omega$	$\lambda_{\Pi}$	$\beta_{\Pi}$	$a$
285	207.8	-26.4	127.9	-8.4	43.3	0.966	0.289	57.7	115.9	105.0	237.2	49.5	8.58
286	207.5	-26.4	128.6	-8.6	43.2	0.967	0.291	57.2	115.7	106.0	237.5	49.2	8.68
287	207.3	-26.4	129.2	-8.8	43.1	0.967	0.293	56.7	115.4	107.0	237.9	49.0	8.79
288	207.0	-26.5	129.9	-9.0	43.0	0.967	0.294	56.2	115.2	108.0	238.2	48.8	8.90
289	206.8	-26.5	130.5	-9.2	42.9	0.967	0.296	55.7	114.9	109.0	238.5	48.5	9.02
290	206.5	-26.5	131.2	-9.4	42.7	0.967	0.298	55.3	114.7	110.0	238.8	48.3	9.13
291	206.3	-26.5	131.8	-9.6	42.6	0.968	0.300	54.8	114.4	111.0	239.2	48.1	9.25
292	206.0	-26.5	132.5	-9.9	42.5	0.968	0.302	54.3	114.1	112.0	239.5	47.8	9.38
293	205.8	-26.5	133.1	-10.1	42.4	0.968	0.304	53.9	113.9	113.0	239.9	47.6	9.50
294	205.5	-26.5	133.8	-10.3	42.2	0.968	0.306	53.4	113.6	114.0	240.2	47.4	9.63
295	205.2	-26.5	134.4	-10.5	42.1	0.968	0.308	53.0	113.3	115.0	240.6	47.1	9.77
296	205.0	-26.5	135.0	-10.7	42.0	0.969	0.310	52.5	113.0	116.0	240.9	46.9	9.90
297	204.7	-26.5	135.7	-10.9	41.9	0.969	0.312	52.1	112.8	117.0	241.3	46.7	10.05
298	204.5	-26.5	136.3	-11.1	41.8	0.969	0.314	51.6	112.5	118.0	241.7	46.4	10.19
299	204.2	-26.6	137.0	-11.4	41.6	0.969	0.317	51.2	112.2	119.0	242.1	46.2	10.34
300	204.0	-26.6	137.6	-11.6	41.5	0.970	0.319	50.8	111.9	120.0	242.4	45.9	10.49
301	203.7	-26.6	138.3	-11.8	41.4	0.970	0.321	50.3	111.6	121.0	242.8	45.7	10.65
302	203.5	-26.6	138.9	-12.0	41.3	0.970	0.323	49.9	111.3	122.0	243.2	45.4	10.81