

ELY (#0145): Total of 128 orbits. $\lambda_o = 50^\circ$, $\lambda_g - \lambda_o = 257.2^\circ$, $\beta_g = 64.1^\circ$, $\Delta r = 3^\circ$, $\Delta \lambda_o = 5^\circ$.

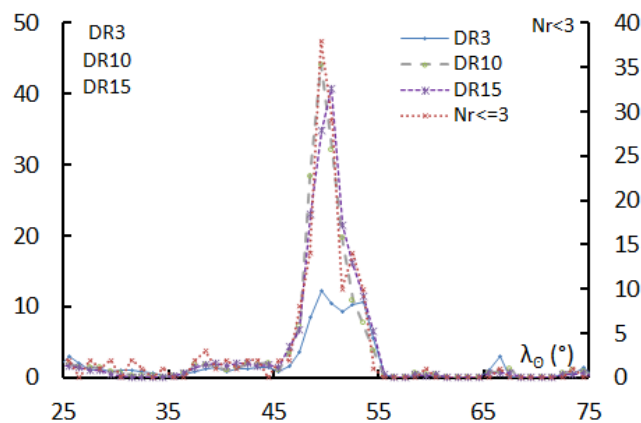
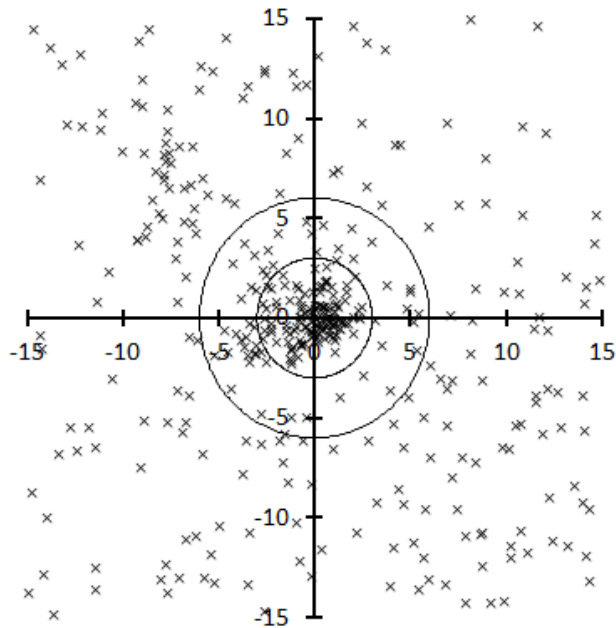


Table 1 – Number per year.

Year	N	Year	N
2007	5	2013	10
2008	4	2014	16
2009	14	2015	18
2010	14	2016	9
2011	4	2017	5
2012	9	2018	20

Table 2 – Activity profiles.

	λ_o	Max
Nr<=3	49.5	38
DR3	49.5	12.1
DR10	49.5	44.2
DR15	50.5	40.8

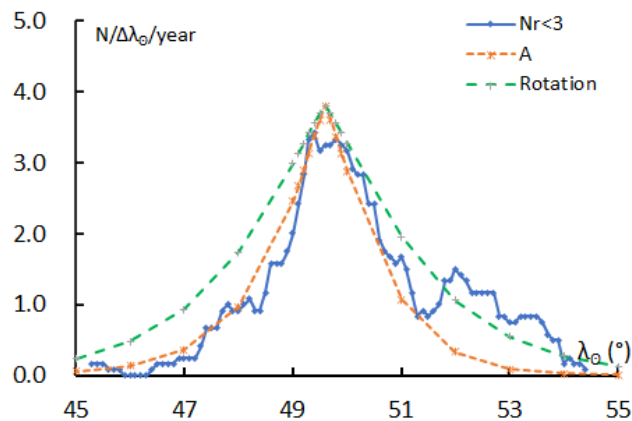


Table 3 – Evolution of the orbital parameters during the activity period.

λ_o	$\lambda_g - \lambda_o$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{π}	β_{π}	a
40	260.6	61.0	288.7	39.5	48.2	1.081	1.001	81.3	188.7	40.0	221.3	-8.6	-12.3
41	260.2	61.3	288.9	39.9	47.8	1.066	1.001	80.5	189.0	41.0	222.5	-8.9	-15.1
42	259.8	61.7	289.2	40.4	47.3	1.052	1.001	79.8	189.3	42.0	223.7	-9.1	-19.4
43	259.4	62.1	289.4	40.8	46.9	1.037	1.001	79.1	189.6	43.0	224.8	-9.4	-26.9
44	259.0	62.4	289.6	41.2	46.4	1.023	1.001	78.4	189.9	44.0	226.0	-9.7	-43.8
45	258.6	62.8	289.8	41.6	46.0	1.009	1.001	77.7	190.1	45.0	227.2	-9.9	-115
46	258.2	63.1	290.0	42.1	45.5	0.995	1.001	77.0	190.4	46.0	228.4	-10.2	184
47	257.7	63.5	290.2	42.5	45.1	0.981	1.000	76.3	190.7	47.0	229.6	-10.4	51.71
48	257.3	63.9	290.3	42.9	44.6	0.967	1.000	75.5	191.0	48.0	230.8	-10.6	30.19
49	256.8	64.2	290.5	43.3	44.2	0.953	1.000	74.8	191.3	49.0	232.0	-10.9	21.38
49.1	256.8	64.2	290.5	43.3	44.1	0.952	1.000	74.8	191.3	49.1	232.1	-10.9	20.78
49.2	256.7	64.3	290.5	43.4	44.1	0.951	1.000	74.7	191.3	49.2	232.2	-10.9	20.21
49.3	256.7	64.3	290.5	43.4	44.0	0.949	1.000	74.6	191.4	49.3	232.4	-11.0	19.67
49.4	256.6	64.4	290.5	43.5	44.0	0.948	1.000	74.5	191.4	49.4	232.5	-11.0	19.16
49.5	256.6	64.4	290.6	43.5	43.9	0.946	1.000	74.5	191.4	49.5	232.6	-11.0	18.68
49.6	256.6	64.4	290.6	43.5	43.9	0.945	1.000	74.4	191.5	49.6	232.7	-11.0	18.22
49.7	256.5	64.5	290.6	43.6	43.9	0.944	1.000	74.3	191.5	49.7	232.8	-11.1	17.78
49.8	256.5	64.5	290.6	43.6	43.8	0.942	1.000	74.2	191.5	49.8	233.0	-11.1	17.37
49.9	256.4	64.5	290.6	43.7	43.8	0.941	1.000	74.2	191.5	49.9	233.1	-11.1	16.97
50	256.4	64.6	290.6	43.7	43.7	0.940	1.000	74.1	191.6	50.0	233.2	-11.1	16.59
51	255.9	64.9	290.8	44.1	43.3	0.926	1.000	73.4	191.9	51.0	234.4	-11.4	13.58

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
52	255.4	65.3	290.9	44.5	42.8	0.913	1.000	72.7	192.1	52.0	235.7	-11.6	11.51
53	254.9	65.6	291.0	44.9	42.4	0.900	0.999	71.9	192.4	53.0	236.9	-11.8	10.00
54	254.3	66.0	291.1	45.3	41.9	0.887	0.999	71.2	192.7	54.0	238.2	-12.0	8.85
55	253.8	66.3	291.1	45.7	41.5	0.874	0.999	70.5	193.0	55.0	239.4	-12.2	7.94
56	253.3	66.6	291.2	46.1	41.0	0.861	0.999	69.8	193.3	56.0	240.7	-12.5	7.21
57	252.7	67.0	291.2	46.4	40.6	0.849	0.999	69.0	193.6	57.0	241.9	-12.7	6.61
58	252.1	67.3	291.3	46.8	40.1	0.836	0.998	68.3	193.9	58.0	243.2	-12.9	6.10
59	251.5	67.7	291.3	47.2	39.7	0.824	0.998	67.6	194.1	59.0	244.5	-13.1	5.67
60	250.9	68.0	291.3	47.6	39.2	0.812	0.998	66.9	194.4	60.0	245.8	-13.2	5.30