

NOC (#0152): Total of 15 orbits. $\lambda_o = 52^\circ$, $\lambda_g - \lambda_o = 329.6^\circ$, $\beta_g = 12.3^\circ$, $\Delta r = 3^\circ$, $\Delta \lambda_o = 10^\circ$.

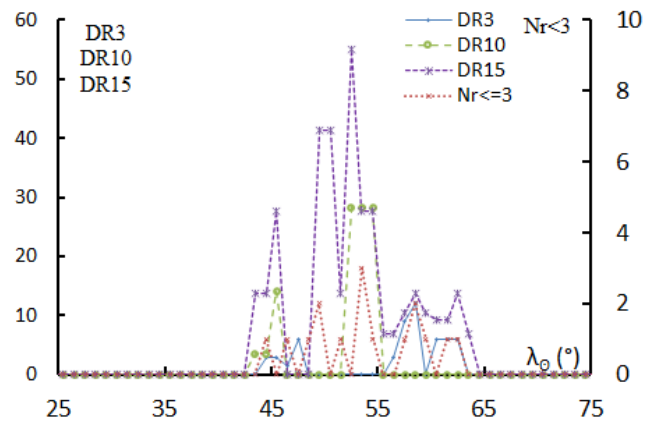
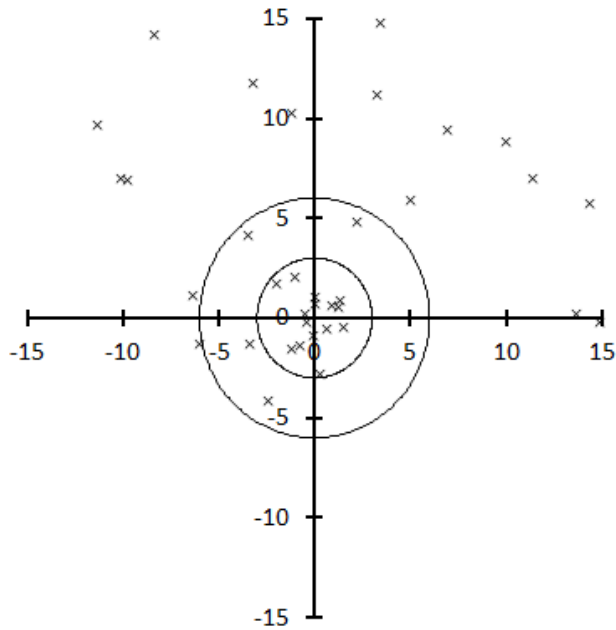


Table 1 – Number per year.

Year	N	Year	N
2007	1	2013	1
2008	0	2014	1
2009	1	2015	2
2010	0	2016	2
2011	3	2017	2
2012	2	2018	0

Table 2 – Activity profiles.

	λ_o	Max
Nr<=3	53.5	3
DR3	58.5	12.0
DR10	52.5	28.4
DR15	52.5	55.1

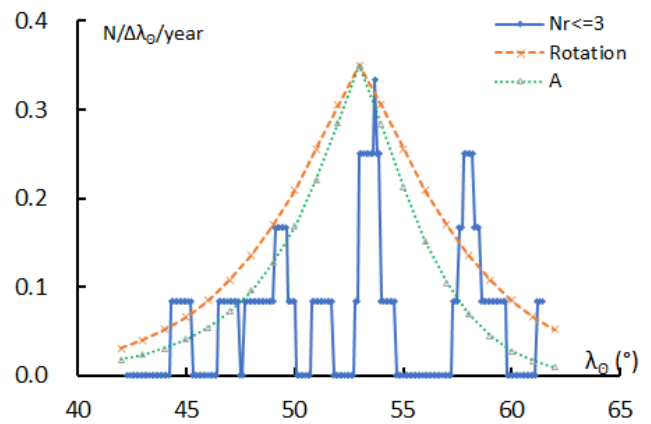


Table 3 – Evolution of the orbital parameters during the activity period.

λ_o	$\lambda_g - \lambda_o$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{π}	β_{π}	a
42	333.9	8.6	11.3	14.2	39.2	0.959	0.112	25.2	35.3	42.0	74.6	14.2	2.74
43	333.6	8.9	11.8	14.7	39.3	0.959	0.110	26.3	34.9	43.0	75.0	14.7	2.68
44	333.3	9.2	12.3	15.2	39.4	0.959	0.108	27.5	34.5	44.0	75.4	15.2	2.63
45	333.0	9.4	12.8	15.7	39.5	0.959	0.107	28.6	34.2	45.0	75.8	15.6	2.58
46	332.6	9.7	13.4	16.2	39.5	0.958	0.105	29.8	33.8	46.0	76.2	16.1	2.53
47	332.3	9.9	13.9	16.7	39.6	0.958	0.104	31.0	33.5	47.0	76.6	16.5	2.48
48	332.0	10.2	14.5	17.2	39.7	0.958	0.102	32.2	33.2	48.0	77.0	17.0	2.44
49	331.7	10.5	15.0	17.8	39.8	0.958	0.101	33.4	32.9	49.0	77.4	17.4	2.39
50	331.4	10.7	15.5	18.3	39.8	0.957	0.100	34.7	32.6	50.0	77.8	17.9	2.35
51	331.0	11.0	16.1	18.8	39.9	0.957	0.099	35.9	32.4	51.0	78.2	18.3	2.31
52	330.7	11.3	16.6	19.2	40.0	0.957	0.098	37.2	32.2	52.0	78.6	18.8	2.27
53	330.4	11.5	17.1	19.7	40.1	0.956	0.097	38.5	32.0	53.0	79.0	19.2	2.23
54	330.1	11.8	17.7	20.2	40.2	0.956	0.097	39.8	31.8	54.0	79.4	19.7	2.20
55	329.7	12.0	18.2	20.7	40.2	0.956	0.096	41.1	31.6	55.0	79.9	20.1	2.16
56	329.4	12.3	18.8	21.2	40.3	0.955	0.096	42.4	31.4	56.0	80.3	20.6	2.13
57	329.1	12.6	19.3	21.7	40.4	0.955	0.095	43.7	31.3	57.0	80.7	21.0	2.10
58	328.8	12.8	19.9	22.2	40.5	0.954	0.095	45.0	31.2	58.0	81.2	21.5	2.07
59	328.4	13.1	20.4	22.7	40.5	0.953	0.095	46.3	31.1	59.0	81.6	21.9	2.04
60	328.1	13.3	21.0	23.2	40.6	0.953	0.095	47.7	31.0	60.0	82.0	22.4	2.01
61	327.8	13.6	21.5	23.7	40.7	0.952	0.095	49.0	30.9	61.0	82.5	22.8	1.98
62	327.4	13.8	22.1	24.2	40.8	0.951	0.095	50.3	30.9	62.0	82.9	23.3	1.95