

SDA (#0005): Total of 1434 orbits. $\lambda_o = 126.8^\circ$, $\lambda_g - \lambda_o = 208.8^\circ$, $\beta_g = -7.4^\circ$, $\Delta r = 2^\circ$, $\Delta \lambda_o = 5^\circ$.

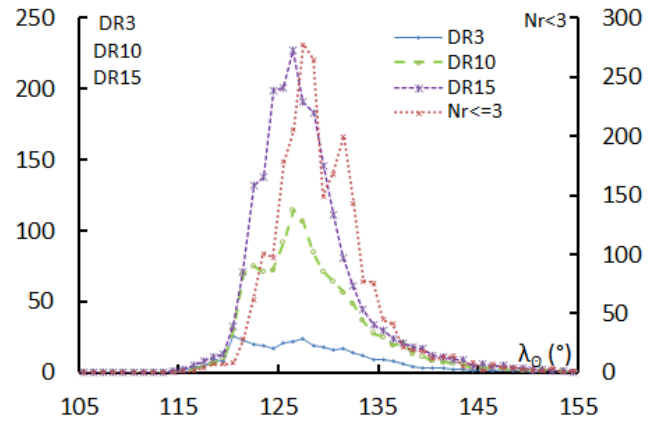
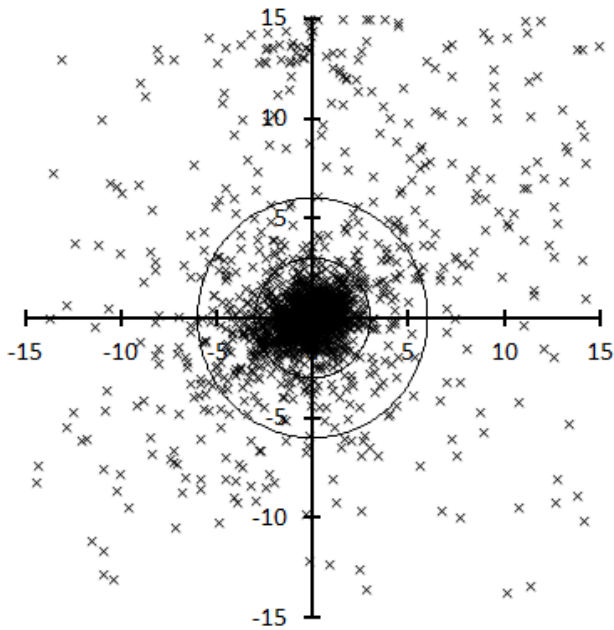


Table 1 – Number per year.

Year	N	Year	N
2007	90	2013	40
2008	90	2014	234
2009	58	2015	116
2010	100	2016	177
2011	50	2017	57
2012	198	2018	224

Table 2 – Activity profiles.

	λ_o	Max
Nr<=3	127.5	278
DR3	127.5	23.4
DR10	126.5	114.3
DR15	126.5	227.7

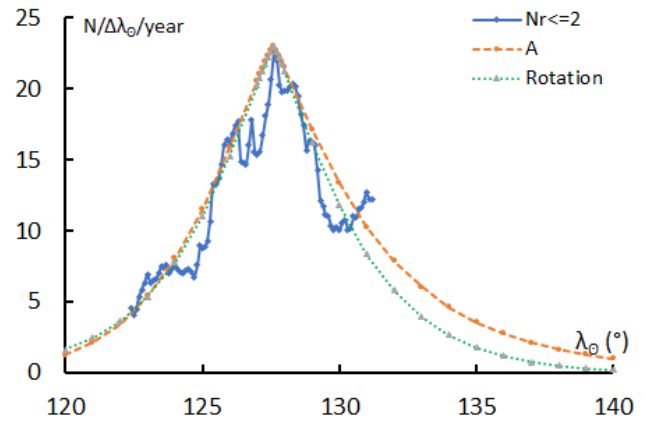


Table 3 – Evolution of the orbital parameters during the activity period.

λ_o	$\lambda_g - \lambda_o$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{π}	β_{π}	a
115	211.8	-6.0	331.1	-18.2	42.2	0.982	0.042	31.5	159.4	295.0	97.2	10.6	2.28
116	211.5	-6.1	331.9	-18.1	42.1	0.981	0.044	30.9	158.7	296.0	97.5	10.8	2.30
117	211.2	-6.2	332.6	-17.9	41.9	0.980	0.047	30.4	158.0	297.0	97.8	11.0	2.31
118	210.9	-6.3	333.3	-17.8	41.8	0.979	0.050	30.0	157.3	298.0	98.1	11.1	2.33
119	210.6	-6.4	334.1	-17.6	41.6	0.977	0.053	29.5	156.6	299.0	98.3	11.3	2.35
120	210.3	-6.6	334.8	-17.5	41.5	0.976	0.056	29.1	155.9	300.0	98.6	11.5	2.37
121	210.0	-6.7	335.5	-17.3	41.3	0.975	0.059	28.7	155.2	301.0	98.9	11.6	2.39
122	209.7	-6.8	336.3	-17.2	41.2	0.974	0.062	28.3	154.5	302.0	99.2	11.8	2.41
123	209.4	-6.9	337.0	-17.0	41.0	0.973	0.065	27.9	153.8	303.0	99.5	11.9	2.43
124	209.1	-7.0	337.7	-16.9	40.9	0.972	0.069	27.5	153.1	304.0	99.7	12.1	2.46
125	208.9	-7.1	338.4	-16.7	40.7	0.971	0.072	27.2	152.3	305.0	100.0	12.3	2.48
126	208.6	-7.2	339.2	-16.6	40.6	0.970	0.076	26.9	151.6	306.0	100.3	12.4	2.50
127	208.3	-7.4	339.9	-16.4	40.4	0.969	0.079	26.6	150.9	307.0	100.5	12.6	2.52
127.1	208.2	-7.4	340.0	-16.4	40.4	0.968	0.080	26.5	150.8	307.1	100.6	12.6	2.52
127.2	208.2	-7.4	340.0	-16.4	40.4	0.968	0.080	26.5	150.8	307.2	100.6	12.6	2.52
127.3	208.2	-7.4	340.1	-16.4	40.4	0.968	0.080	26.5	150.7	307.3	100.6	12.6	2.53
127.4	208.2	-7.4	340.2	-16.4	40.3	0.968	0.081	26.4	150.6	307.4	100.7	12.6	2.53
127.5	208.1	-7.4	340.3	-16.3	40.3	0.968	0.081	26.4	150.6	307.5	100.7	12.6	2.53
127.6	208.1	-7.4	340.3	-16.3	40.3	0.968	0.081	26.4	150.5	307.6	100.7	12.6	2.53
127.7	208.1	-7.4	340.4	-16.3	40.3	0.968	0.082	26.3	150.4	307.7	100.7	12.7	2.54
127.8	208.0	-7.5	340.5	-16.3	40.3	0.968	0.082	26.3	150.3	307.8	100.8	12.7	2.54

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
127.9	208.0	-7.5	340.5	-16.3	40.3	0.968	0.082	26.3	150.3	307.9	100.8	12.7	2.54
128	208.0	-7.5	340.6	-16.3	40.3	0.967	0.083	26.3	150.2	308.0	100.8	12.7	2.54
129	207.7	-7.6	341.3	-16.1	40.1	0.966	0.086	26.0	149.5	309.0	101.1	12.8	2.56
130	207.4	-7.7	342.1	-15.9	39.9	0.965	0.090	25.7	148.8	310.0	101.3	13.0	2.59
131	207.1	-7.8	342.8	-15.8	39.8	0.964	0.094	25.4	148.0	311.0	101.6	13.1	2.61
132	206.8	-7.9	343.5	-15.6	39.6	0.963	0.098	25.1	147.3	312.0	101.9	13.3	2.63
133	206.5	-8.0	344.2	-15.4	39.5	0.962	0.102	24.9	146.6	313.0	102.1	13.4	2.66
134	206.2	-8.2	344.9	-15.3	39.3	0.960	0.106	24.6	145.9	314.0	102.4	13.5	2.68
135	205.9	-8.3	345.6	-15.1	39.2	0.959	0.110	24.4	145.2	315.0	102.6	13.7	2.71
136	205.6	-8.4	346.4	-14.9	39.0	0.958	0.114	24.2	144.4	316.0	102.9	13.8	2.73
137	205.3	-8.5	347.1	-14.8	38.9	0.957	0.118	24.0	143.7	317.0	103.1	13.9	2.76
138	205.0	-8.6	347.8	-14.6	38.7	0.956	0.123	23.7	143.0	318.0	103.4	14.0	2.78
139	204.8	-8.7	348.5	-14.4	38.6	0.955	0.127	23.5	142.2	319.0	103.6	14.1	2.81
140	204.5	-8.8	349.2	-14.2	38.4	0.954	0.132	23.3	141.5	320.0	103.9	14.3	2.83
141	204.2	-8.9	349.9	-14.1	38.3	0.952	0.136	23.1	140.8	321.0	104.1	14.4	2.86
142	203.9	-9.1	350.6	-13.9	38.1	0.951	0.141	22.9	140.1	322.0	104.4	14.5	2.89
143	203.6	-9.2	351.3	-13.7	38.0	0.950	0.145	22.7	139.3	323.0	104.6	14.6	2.91
144	203.3	-9.3	352.0	-13.5	37.8	0.949	0.150	22.5	138.6	324.0	104.8	14.7	2.94
145	203.0	-9.4	352.7	-13.4	37.6	0.948	0.154	22.4	137.9	325.0	105.1	14.8	2.97