

CAP (#0001): Total of 737 orbits. $\lambda_o = 127.9^\circ$, $\lambda_g - \lambda_o = 179.3^\circ$, $\beta_g = 9.9^\circ$, $\Delta r = 3^\circ$, $\Delta \lambda_o = 10^\circ$.

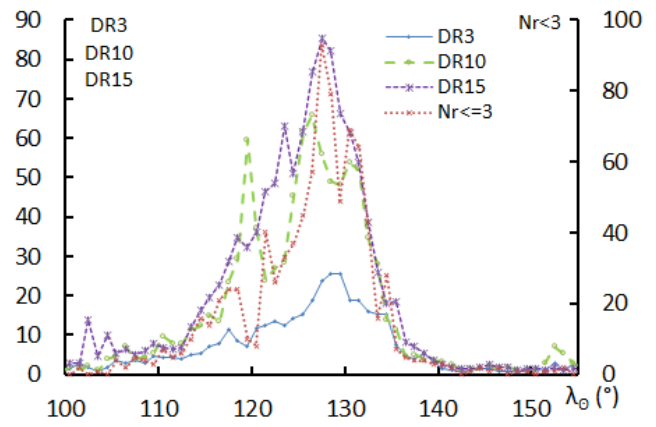
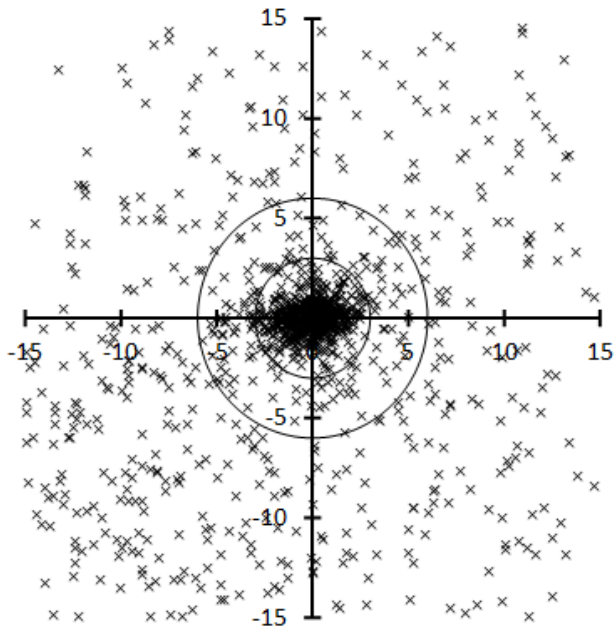


Table 1 – Number per year.

Year	N	Year	N
2007	56	2013	43
2008	42	2014	63
2009	21	2015	74
2010	70	2016	81
2011	30	2017	42
2012	88	2018	127

Table 2 – Activity profiles.

	λ_o	Max
Nr<=3	127.5	93
DR3	129.5	25.7
DR10	126.5	65.8
DR15	127.5	85.3

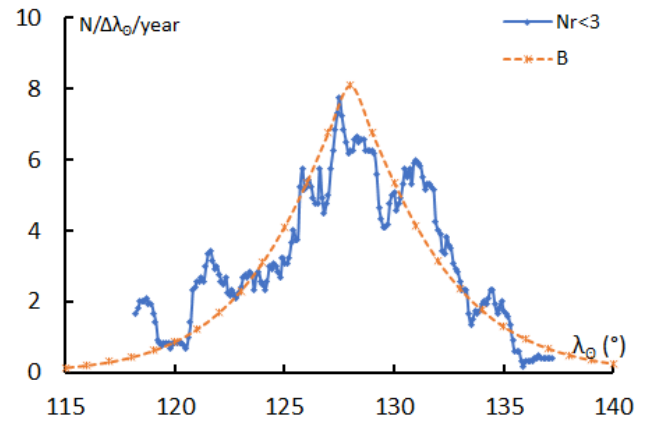


Table 3 – Evolution of the orbital parameters during the activity period.

λ_o	$\lambda_g - \lambda_o$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{π}	β_{π}	a
100	190.1	6.5	290.8	-15.5	27.4	0.817	0.391	7.2	291.6	100.0	31.8	-6.7	2.14
101	189.7	6.6	291.4	-15.3	27.2	0.815	0.399	7.2	290.7	101.0	31.8	-6.8	2.15
102	189.3	6.7	292.0	-15.1	27.1	0.812	0.407	7.2	289.8	102.0	31.9	-6.8	2.17
103	188.9	6.9	292.5	-14.9	26.9	0.810	0.415	7.3	288.8	103.0	32.0	-6.9	2.18
104	188.5	7.0	293.1	-14.7	26.7	0.808	0.422	7.3	287.9	104.0	32.1	-6.9	2.20
105	188.1	7.1	293.7	-14.5	26.5	0.806	0.430	7.3	287.0	105.0	32.1	-7.0	2.22
106	187.7	7.2	294.3	-14.2	26.3	0.804	0.438	7.3	286.1	106.0	32.2	-7.0	2.23
107	187.3	7.4	294.8	-14.0	26.1	0.801	0.446	7.3	285.2	107.0	32.3	-7.1	2.25
108	186.8	7.5	295.4	-13.8	25.9	0.799	0.454	7.3	284.3	108.0	32.4	-7.1	2.26
109	186.4	7.6	296.0	-13.6	25.7	0.797	0.461	7.3	283.4	109.0	32.5	-7.1	2.27
110	186.0	7.7	296.5	-13.3	25.5	0.795	0.469	7.3	282.5	110.0	32.6	-7.2	2.29
111	185.6	7.9	297.1	-13.1	25.3	0.793	0.477	7.3	281.6	111.0	32.7	-7.2	2.30
112	185.2	8.0	297.7	-12.9	25.1	0.791	0.484	7.3	280.7	112.0	32.8	-7.2	2.31
113	184.8	8.1	298.2	-12.7	24.9	0.789	0.492	7.3	279.8	113.0	32.9	-7.2	2.33
114	184.4	8.2	298.8	-12.4	24.7	0.786	0.500	7.3	278.9	114.0	33.0	-7.2	2.34
115	183.9	8.3	299.3	-12.2	24.5	0.784	0.507	7.3	278.0	115.0	33.1	-7.3	2.35
116	183.5	8.5	299.9	-12.0	24.3	0.782	0.515	7.3	277.1	116.0	33.2	-7.3	2.36
117	183.1	8.6	300.4	-11.7	24.1	0.780	0.522	7.3	276.3	117.0	33.3	-7.3	2.37
118	182.7	8.7	301.0	-11.5	23.9	0.778	0.530	7.3	275.4	118.0	33.4	-7.3	2.38
119	182.3	8.8	301.5	-11.3	23.7	0.776	0.537	7.3	274.5	119.0	33.6	-7.3	2.39
120	181.9	9.0	302.1	-11.0	23.5	0.773	0.545	7.3	273.7	120.0	33.7	-7.3	2.40

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
121	181.4	9.1	302.6	-10.8	23.3	0.771	0.552	7.3	272.8	121.0	33.8	-7.3	2.41
122	181.0	9.2	303.2	-10.5	23.1	0.769	0.559	7.3	272.0	122.0	34.0	-7.3	2.42
123	180.6	9.3	303.7	-10.3	22.9	0.767	0.566	7.3	271.1	123.0	34.1	-7.3	2.43
124	180.2	9.4	304.3	-10.0	22.8	0.765	0.574	7.3	270.3	124.0	34.3	-7.3	2.44
125	179.8	9.5	304.8	-9.8	22.6	0.762	0.581	7.2	269.4	125.0	34.4	-7.2	2.44
126	179.4	9.7	305.3	-9.5	22.4	0.760	0.588	7.2	268.6	126.0	34.6	-7.2	2.45
127	178.9	9.8	305.9	-9.3	22.2	0.758	0.595	7.2	267.8	127.0	34.7	-7.2	2.45
128	178.5	9.9	306.4	-9.1	22.0	0.755	0.602	7.2	266.9	128.0	34.9	-7.2	2.46
129	178.1	10.0	306.9	-8.8	21.8	0.753	0.609	7.2	266.1	129.0	35.1	-7.2	2.46
130	177.7	10.1	307.5	-8.5	21.6	0.750	0.615	7.2	265.3	130.0	35.3	-7.1	2.47
131	177.3	10.2	308.0	-8.3	21.4	0.748	0.622	7.1	264.5	131.0	35.4	-7.1	2.47
132	176.8	10.4	308.5	-8.0	21.2	0.745	0.629	7.1	263.7	132.0	35.6	-7.1	2.47
133	176.4	10.5	309.1	-7.8	21.0	0.743	0.636	7.1	262.9	133.0	35.8	-7.0	2.47
134	176.0	10.6	309.6	-7.5	20.8	0.740	0.642	7.1	262.1	134.0	36.0	-7.0	2.47
135	175.6	10.7	310.1	-7.3	20.6	0.738	0.649	7.0	261.3	135.0	36.2	-7.0	2.47
136	175.2	10.8	310.6	-7.0	20.4	0.735	0.655	7.0	260.5	136.0	36.4	-6.9	2.47
137	174.7	10.9	311.2	-6.8	20.2	0.732	0.662	7.0	259.7	137.0	36.7	-6.9	2.47
138	174.3	11.0	311.7	-6.5	20.0	0.730	0.668	7.0	259.0	138.0	36.9	-6.8	2.47
139	173.9	11.1	312.2	-6.2	19.8	0.727	0.674	6.9	258.2	139.0	37.1	-6.8	2.47
140	173.5	11.2	312.7	-6.0	19.6	0.724	0.680	6.9	257.4	140.0	37.3	-6.7	2.46