

JPE (#0175): Total of 219 orbits. $\lambda_o = 110^\circ$, $\lambda_g - \lambda_o = 244.2^\circ$, $\beta_g = 14.2^\circ$, $\Delta r = 3^\circ$, $\Delta \lambda_o = 10^\circ$. The listed maxima λ_o of JPE in the SD are dispersed widely between $\lambda_o = 107.5^\circ$ and 120.8° . The activity profile of JPE suggests JPE has a sharp maximum at $\lambda_o = 108.4^\circ$ with an overlap of moderate activity peaking around $\lambda_o = 112^\circ$.

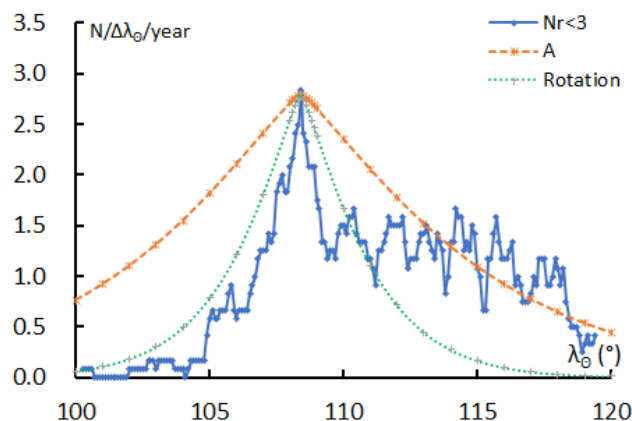
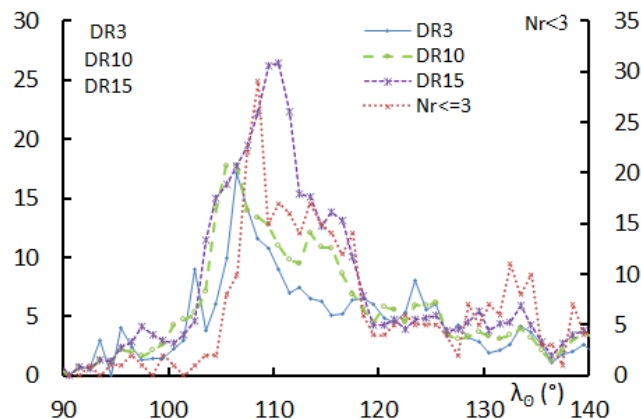
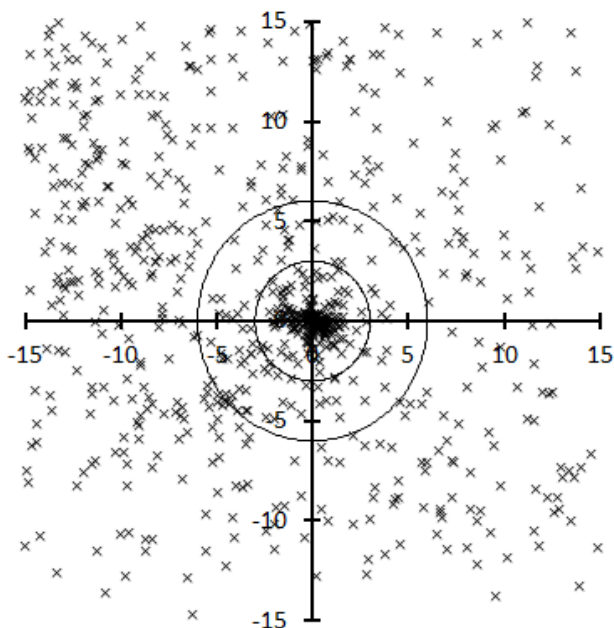


Table 1 – Number per year.

Year	N	Year	N
2007	0	2013	22
2008	6	2014	12
2009	18	2015	17
2010	22	2016	8
2011	45	2017	23
2012	19	2018	27

Table 2 – Activity profiles.

	λ_o	Max
Nr<=3	108.5	29
DR3	106.5	17.1
DR10	105.5	17.7
DR15	110.5	26.5

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_{II}	β_{II}	a
90	246.7	16.1	332.5	5.9	65.1	0.984	0.654	147.3	253.6	90.0	199.2	-31.2	40.10
91	246.6	16.0	333.3	6.1	65.0	0.982	0.651	147.4	254.1	91.0	199.7	-31.2	36.60
92	246.4	15.9	334.2	6.4	64.9	0.981	0.647	147.5	254.6	92.0	200.1	-31.2	33.67
93	246.3	15.9	335.0	6.6	64.9	0.979	0.643	147.5	255.1	93.0	200.5	-31.2	31.18
94	246.2	15.8	335.8	6.9	64.8	0.978	0.639	147.6	255.6	94.0	201.0	-31.3	29.04
95	246.1	15.7	336.6	7.2	64.8	0.977	0.635	147.7	256.1	95.0	201.4	-31.3	27.18
96	246.0	15.6	337.5	7.4	64.7	0.975	0.632	147.7	256.5	96.0	201.8	-31.3	25.54
97	245.9	15.6	338.3	7.7	64.7	0.974	0.628	147.8	257.0	97.0	202.2	-31.3	24.10
98	245.8	15.5	339.1	8.0	64.6	0.973	0.624	147.9	257.5	98.0	202.7	-31.3	22.82
99	245.7	15.4	339.9	8.2	64.6	0.971	0.620	147.9	258.0	99.0	203.1	-31.3	21.66
100	245.6	15.4	340.8	8.5	64.5	0.970	0.616	148.0	258.5	100.0	203.5	-31.3	20.62
101	245.5	15.3	341.6	8.8	64.5	0.969	0.612	148.1	259.0	101.0	203.9	-31.3	19.68
102	245.4	15.2	342.4	9.0	64.4	0.968	0.608	148.1	259.5	102.0	204.3	-31.3	18.83
103	245.3	15.2	343.3	9.3	64.3	0.967	0.604	148.2	260.0	103.0	204.8	-31.3	18.04
104	245.2	15.1	344.1	9.6	64.3	0.965	0.600	148.3	260.4	104.0	205.2	-31.3	17.32
105	245.0	15.0	344.9	9.9	64.2	0.964	0.596	148.3	260.9	105.0	205.6	-31.2	16.66
106	244.9	14.9	345.8	10.1	64.2	0.963	0.592	148.4	261.4	106.0	206.0	-31.2	16.05
107	244.8	14.9	346.6	10.4	64.1	0.962	0.588	148.5	261.9	107.0	206.5	-31.2	15.48
108	244.7	14.8	347.4	10.7	64.1	0.961	0.584	148.5	262.4	108.0	206.9	-31.2	14.95
108.1	244.7	14.8	347.5	10.7	64.1	0.961	0.584	148.5	262.5	108.1	206.9	-31.2	14.90

Table 3 – Continued, 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
108.2	244.7	14.8	347.6	10.8	64.1	0.961	0.583	148.5	262.5	108.2	207.0	-31.2	14.85
108.3	244.7	14.8	347.7	10.8	64.1	0.961	0.583	148.5	262.6	108.3	207.0	-31.2	14.80
108.4	244.7	14.8	347.8	10.8	64.1	0.961	0.583	148.5	262.6	108.4	207.0	-31.2	14.75
108.5	244.7	14.8	347.8	10.8	64.0	0.960	0.582	148.6	262.7	108.5	207.1	-31.2	14.70
108.6	244.7	14.8	347.9	10.9	64.0	0.960	0.582	148.6	262.7	108.6	207.1	-31.2	14.65
108.7	244.7	14.7	348.0	10.9	64.0	0.960	0.581	148.6	262.8	108.7	207.2	-31.2	14.60
108.8	244.6	14.7	348.1	10.9	64.0	0.960	0.581	148.6	262.8	108.8	207.2	-31.2	14.56
108.9	244.6	14.7	348.2	11.0	64.0	0.960	0.581	148.6	262.9	108.9	207.3	-31.1	14.51
109	244.6	14.7	348.3	11.0	64.0	0.960	0.580	148.6	262.9	109.0	207.3	-31.1	14.46
110	244.5	14.7	349.1	11.3	64.0	0.959	0.576	148.7	263.4	110.0	207.7	-31.1	14.00
111	244.4	14.6	349.9	11.5	63.9	0.958	0.572	148.7	263.9	111.0	208.1	-31.1	13.57
112	244.3	14.5	350.8	11.8	63.9	0.957	0.568	148.8	264.4	112.0	208.6	-31.0	13.16
113	244.2	14.4	351.6	12.1	63.8	0.956	0.564	148.8	264.9	113.0	209.0	-31.0	12.78
114	244.1	14.4	352.4	12.4	63.7	0.955	0.560	148.9	265.4	114.0	209.4	-31.0	12.43
115	244.0	14.3	353.3	12.7	63.7	0.954	0.556	149.0	265.9	115.0	209.8	-30.9	12.09
116	243.9	14.2	354.1	13.0	63.6	0.953	0.552	149.0	266.4	116.0	210.3	-30.9	11.77
117	243.8	14.2	355.0	13.3	63.6	0.952	0.548	149.1	266.8	117.0	210.7	-30.8	11.47
118	243.7	14.1	355.8	13.6	63.5	0.951	0.544	149.2	267.3	118.0	211.1	-30.8	11.18
119	243.6	14.0	356.7	13.9	63.5	0.951	0.540	149.2	267.8	119.0	211.5	-30.7	10.91
120	243.5	13.9	357.5	14.1	63.4	0.950	0.536	149.3	268.3	120.0	211.9	-30.7	10.65
121	243.3	13.9	358.4	14.4	63.4	0.949	0.531	149.4	268.8	121.0	212.4	-30.6	10.40
122	243.2	13.8	359.2	14.7	63.3	0.948	0.527	149.4	269.3	122.0	212.8	-30.6	10.17
123	243.1	13.7	0.1	15.0	63.3	0.947	0.523	149.5	269.8	123.0	213.2	-30.5	9.94
124	243.0	13.7	0.9	15.3	63.2	0.947	0.519	149.6	270.3	124.0	213.7	-30.4	9.73
125	242.9	13.6	1.8	15.6	63.1	0.946	0.515	149.6	270.8	125.0	214.1	-30.4	9.52
126	242.8	13.5	2.6	15.9	63.1	0.945	0.511	149.7	271.3	126.0	214.5	-30.3	9.33
127	242.7	13.4	3.5	16.2	63.0	0.945	0.507	149.8	271.8	127.0	214.9	-30.2	9.14
128	242.6	13.4	4.3	16.5	63.0	0.944	0.503	149.8	272.3	128.0	215.4	-30.1	8.96
129	242.5	13.3	5.2	16.8	62.9	0.943	0.499	149.9	272.8	129.0	215.8	-30.0	8.79
130	242.4	13.2	6.1	17.0	62.9	0.943	0.494	150.0	273.3	130.0	216.2	-30.0	8.62
131	242.3	13.2	6.9	17.3	62.8	0.942	0.490	150.0	273.7	131.0	216.7	-29.9	8.46
132	242.2	13.1	7.8	17.6	62.8	0.941	0.486	150.1	274.2	132.0	217.1	-29.8	8.31
133	242.1	13.0	8.6	17.9	62.7	0.941	0.482	150.2	274.7	133.0	217.6	-29.7	8.16
134	242.0	12.9	9.5	18.2	62.7	0.940	0.478	150.3	275.2	134.0	218.0	-29.6	8.01
135	241.9	12.9	10.4	18.5	62.6	0.940	0.474	150.3	275.7	135.0	218.4	-29.5	7.88