

NUE (#0337): Total of **238** orbits. $\lambda_o = 167.9^\circ$, $\lambda_g - \lambda_o = 259.3^\circ$, $\beta_g = -20.7^\circ$, $\Delta r = 3^\circ$, $\Delta \lambda_o = 10^\circ$. One of the clear activities in the tail of the Orionids, though the radiant concentration and the maxima are unclear.

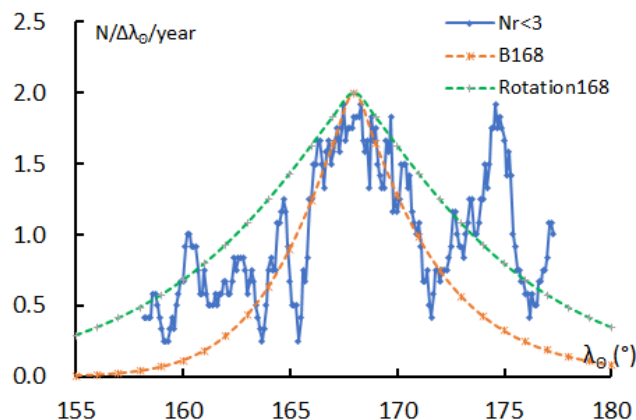
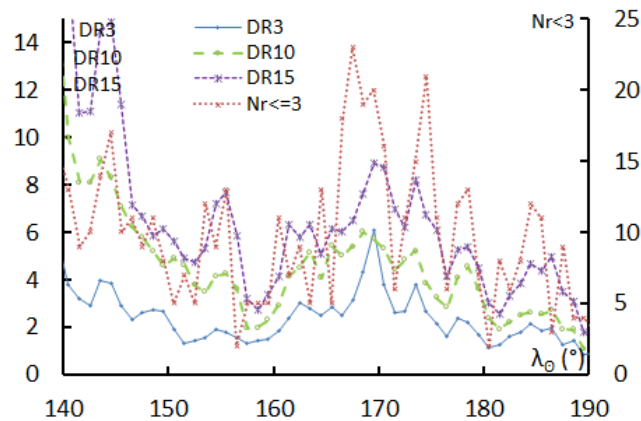
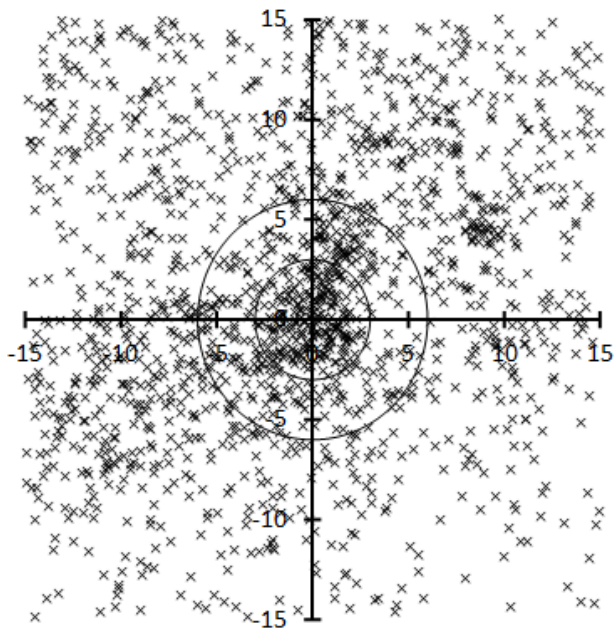


Table 1 – Number per year.

Year	N	Year	N
2007	12	2013	34
2008	27	2014	13
2009	20	2015	9
2010	25	2016	10
2011	29	2017	15
2012	38	2018	6

Table 2 – Activity profiles.

	λ_o	Max
Nr<=3	167.5	23
DR3	169.5	6.1
DR10	168.5	6.0
DR15	169.5	8.9

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

λ_o	$\lambda_g - \lambda_o$	β_g	α_g	δ_g	ν_g	e	q	i	ω	Ω	λ_{Π}	β_{Π}	a
157	259.2	-23.3	59.2	-3.3	65.2	0.902	0.923	138.8	34.9	337.0	309.3	22.2	9.42
158	259.2	-23.0	60.0	-3.0	65.3	0.900	0.921	139.1	35.3	338.0	309.8	22.2	9.20
159	259.1	-22.8	60.8	-2.6	65.3	0.898	0.920	139.4	35.7	339.0	310.4	22.3	9.00
160	259.0	-22.6	61.6	-2.2	65.4	0.896	0.918	139.8	36.0	340.0	311.0	22.3	8.81
161	259.0	-22.4	62.4	-1.8	65.4	0.894	0.916	140.1	36.4	341.0	311.5	22.4	8.63
162	258.9	-22.2	63.2	-1.4	65.4	0.892	0.914	140.4	36.8	342.0	312.1	22.4	8.46
163	258.8	-22.0	64.0	-1.1	65.5	0.890	0.912	140.8	37.1	343.0	312.6	22.4	8.30
164	258.8	-21.8	64.9	-0.7	65.5	0.888	0.910	141.1	37.5	344.0	313.2	22.5	8.15
165	258.7	-21.6	65.7	-0.3	65.6	0.887	0.908	141.4	37.9	345.0	313.7	22.5	8.01
166	258.6	-21.4	66.5	0.0	65.6	0.885	0.906	141.8	38.2	346.0	314.3	22.5	7.87
167	258.6	-21.2	67.3	0.4	65.6	0.883	0.904	142.1	38.6	347.0	314.8	22.5	7.74
168	258.5	-20.9	68.2	0.7	65.7	0.882	0.902	142.4	38.9	348.0	315.4	22.5	7.62
169	258.5	-20.7	69.0	1.1	65.7	0.880	0.900	142.8	39.3	349.0	315.9	22.5	7.50
170	258.4	-20.5	69.8	1.4	65.8	0.878	0.898	143.1	39.7	350.0	316.5	22.5	7.39
171	258.3	-20.3	70.7	1.7	65.8	0.877	0.896	143.5	40.0	351.0	317.0	22.5	7.28
172	258.3	-20.1	71.5	2.1	65.8	0.876	0.894	143.8	40.4	352.0	317.5	22.5	7.18
173	258.2	-19.9	72.3	2.4	65.9	0.874	0.892	144.1	40.7	353.0	318.1	22.5	7.09
174	258.1	-19.7	73.2	2.7	65.9	0.873	0.890	144.5	41.1	354.0	318.6	22.4	7.00
175	258.1	-19.5	74.0	3.0	66.0	0.872	0.888	144.8	41.4	355.0	319.2	22.4	6.91
176	258.0	-19.3	74.9	3.3	66.0	0.870	0.886	145.2	41.8	356.0	319.7	22.4	6.83

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
177	258.0	-19.1	75.8	3.6	66.0	0.869	0.884	145.5	42.1	357.0	320.3	22.3	6.75
178	257.9	-18.8	76.6	3.9	66.1	0.868	0.881	145.9	42.5	358.0	320.8	22.3	6.68