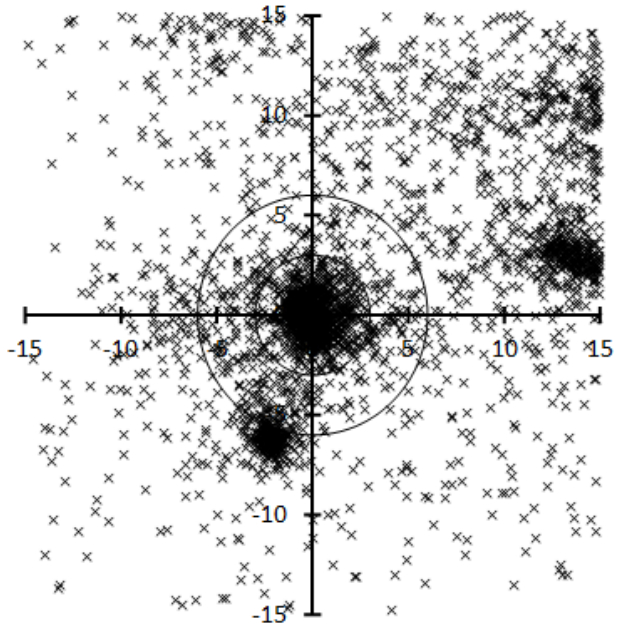
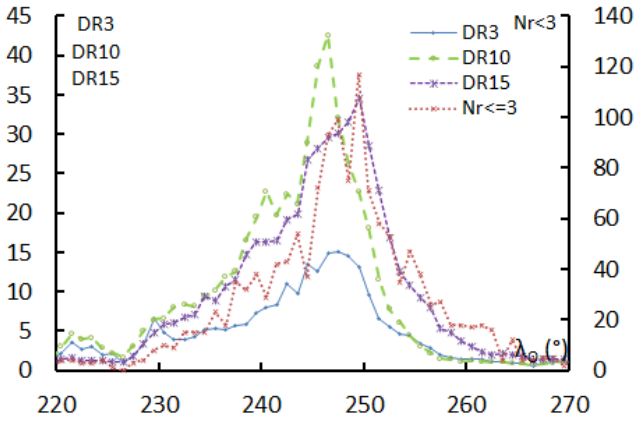
NOO (#0250): Total of **1089** orbits. $\lambda_\odot$ = 246.1°, λ_g–$\lambda_\odot$ = 203.7°, β_g = –8.1°, Δr = 3°, $\Delta\lambda_\odot$ = 10°.





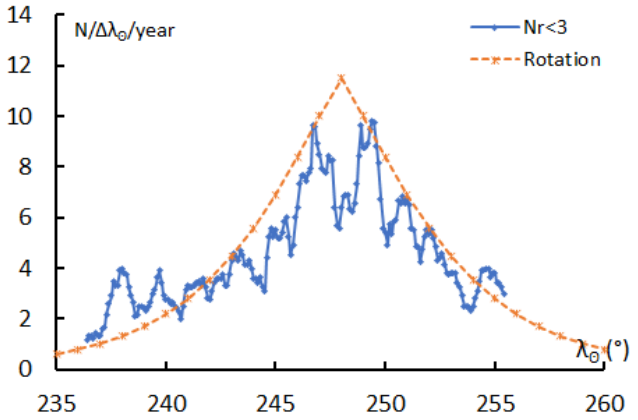


Table 1 – Number per year.

Year	N	Year	N
2007	52	2013	122
2008	117	2014	81
2009	88	2015	102
2010	128	2016	84
2011	68	2017	105
2012	74	2018	68

Table 2 – Activity profiles.

	$\lambda_\odot$	Max
Nr<=3	249.5	117
DR3	247.5	15.1
DR10	246.5	42.5
DR15	249.5	34.5

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

$\lambda_\odot$	λ_g–$\lambda_\odot$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_Π	β_Π	a
228	209.2	–6.8	76.8	16.0	45.4	0.993	0.052	33.8	154.2	48.0	206.1	14.0	7.74
229	208.9	–6.9	77.5	16.0	45.3	0.993	0.055	33.1	153.5	49.0	206.3	14.1	7.87
230	208.6	–7.0	78.3	16.0	45.1	0.993	0.058	32.4	152.8	50.0	206.5	14.2	8.01
231	208.3	–7.0	79.0	16.0	44.9	0.993	0.061	31.7	152.1	51.0	206.7	14.2	8.15
232	208.0	–7.1	79.7	16.0	44.8	0.992	0.064	31.0	151.4	52.0	206.9	14.3	8.30
233	207.8	–7.2	80.5	16.0	44.6	0.992	0.067	30.4	150.7	53.0	207.2	14.3	8.45
234	207.5	–7.2	81.2	16.0	44.5	0.992	0.070	29.8	150.0	54.0	207.4	14.4	8.60
235	207.2	–7.3	81.9	15.9	44.3	0.992	0.073	29.2	149.2	55.0	207.6	14.5	8.77
236	206.9	–7.3	82.7	15.9	44.2	0.991	0.077	28.7	148.5	56.0	207.8	14.5	8.94
237	206.6	–7.4	83.4	15.9	44.0	0.991	0.080	28.2	147.8	57.0	208.0	14.6	9.11
238	206.3	–7.5	84.1	15.9	43.9	0.991	0.083	27.7	147.1	58.0	208.2	14.6	9.29
239	206.0	–7.5	84.9	15.8	43.7	0.991	0.087	27.2	146.4	59.0	208.4	14.7	9.48
240	205.7	–7.6	85.6	15.8	43.6	0.991	0.090	26.7	145.6	60.0	208.6	14.7	9.68
241	205.4	–7.7	86.3	15.7	43.4	0.990	0.094	26.3	144.9	61.0	208.8	14.8	9.88
242	205.1	–7.7	87.1	15.7	43.2	0.990	0.098	25.9	144.2	62.0	209.0	14.8	10.09
243	204.8	–7.8	87.8	15.7	43.1	0.990	0.101	25.5	143.5	63.0	209.2	14.8	10.31
244	204.6	–7.8	88.5	15.6	42.9	0.990	0.105	25.1	142.7	64.0	209.4	14.9	10.54
245	204.3	–7.9	89.2	15.5	42.8	0.990	0.109	24.7	142.0	65.0	209.6	14.9	10.78
246	204.0	–8.0	90.0	15.5	42.6	0.990	0.113	24.3	141.3	66.0	209.8	14.9	11.02
247	203.7	–8.0	90.7	15.4	42.5	0.990	0.117	24.0	140.5	67.0	210.0	15.0	11.28
248	203.4	–8.1	91.4	15.4	42.3	0.990	0.121	23.6	139.8	68.0	210.3	15.0	11.55

Table 3 – Continued, evolution of the orbital parameters during the activity period.

$\lambda_\odot$	$\lambda_g-\lambda_\odot$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_Π	β_Π	a
249	203.1	–8.1	92.1	15.3	42.2	0.989	0.125	23.3	139.1	69.0	210.5	15.0	11.83
250	202.8	–8.2	92.9	15.2	42.0	0.989	0.129	23.0	138.3	70.0	210.7	15.1	12.13
251	202.5	–8.2	93.6	15.1	41.9	0.989	0.133	22.7	137.6	71.0	210.9	15.1	12.43
252	202.2	–8.3	94.3	15.1	41.7	0.989	0.138	22.4	136.9	72.0	211.1	15.1	12.75
253	201.9	–8.4	95.0	15.0	41.5	0.989	0.142	22.1	136.2	73.0	211.3	15.1	13.09
254	201.6	–8.4	95.8	14.9	41.4	0.989	0.146	21.8	135.4	74.0	211.6	15.1	13.44
255	201.3	–8.5	96.5	14.8	41.2	0.989	0.151	21.6	134.7	75.0	211.8	15.1	13.80
256	201.0	–8.5	97.2	14.7	41.1	0.989	0.155	21.3	134.0	76.0	212.0	15.2	14.19
257	200.8	–8.6	97.9	14.6	40.9	0.989	0.160	21.0	133.2	77.0	212.2	15.2	14.59
258	200.5	–8.7	98.6	14.5	40.8	0.989	0.164	20.8	132.5	78.0	212.4	15.2	15.02
259	200.2	–8.7	99.4	14.4	40.6	0.989	0.169	20.6	131.8	79.0	212.7	15.2	15.46
260	199.9	–8.8	100.1	14.3	40.5	0.989	0.173	20.3	131.1	80.0	212.9	15.2	15.93
261	199.6	–8.8	100.8	14.2	40.3	0.989	0.178	20.1	130.3	81.0	213.1	15.2	16.42
262	199.3	–8.9	101.5	14.1	40.2	0.989	0.183	19.9	129.6	82.0	213.3	15.2	16.94
263	199.0	–8.9	102.2	14.0	40.0	0.989	0.188	19.7	128.9	83.0	213.6	15.2	17.48
264	198.7	–9.0	102.9	13.9	39.8	0.989	0.192	19.4	128.2	84.0	213.8	15.2	18.06
265	198.4	–9.0	103.6	13.8	39.7	0.989	0.197	19.2	127.4	85.0	214.0	15.2	18.67