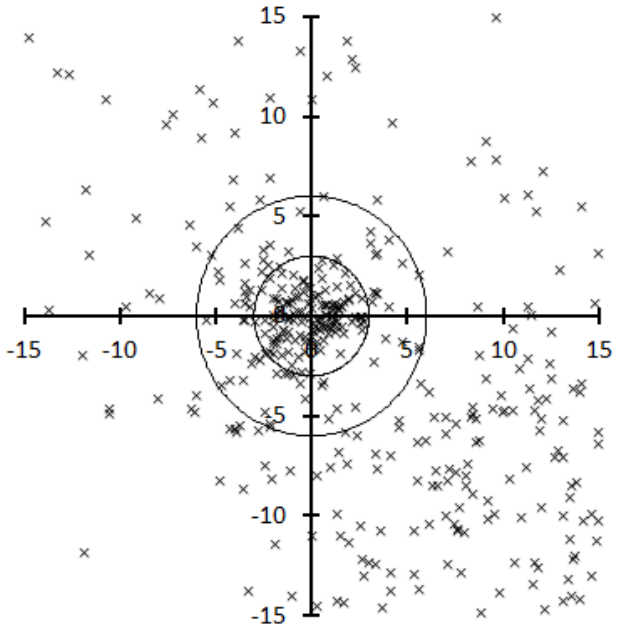
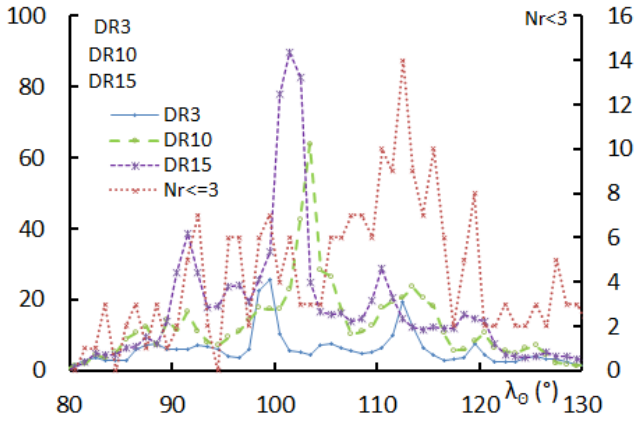
NZC (#0164): Total of **131** orbits. $\lambda_\odot$ = 108.09°, λ_g–$\lambda_\odot$ = 208.8°, β_g = 13.3°, Δr = 3°, $\Delta\lambda_\odot$ = 10°. The listed maxima $\lambda_\odot$ of NZC in the SD are widely dispersed from $\lambda_\odot$ = 86° to 108.09°. Sporadic activity in this area is high and the Japanese rainy season hindered the determination of the maximum a lot. There may be three weak activities piling up, around $\lambda_\odot$ = 90°, 100° and 110°.





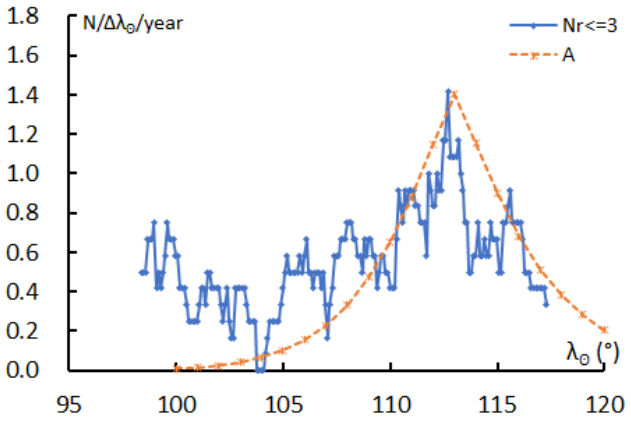


Table 1 – Number per year.

Year	N	Year	N
2007	0	2013	9
2008	8	2014	4
2009	14	2015	7
2010	8	2016	15
2011	28	2017	12
2012	7	2018	19

Table 2 – Activity profiles.

	$\lambda_\odot$	Max
Nr<=3	112.5	14
DR3	99.5	25.5
DR10	103.5	63.8
DR15	101.5	89.6

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
95	210.0	12.2	304.4	–7.2	40.0	0.951	0.099	40.9	328.3	95.0	70.0	–20.1	2.03
96	209.9	12.2	305.3	–6.9	39.8	0.950	0.101	40.5	328.1	96.0	70.7	–20.1	2.02
97	209.8	12.3	306.1	–6.7	39.7	0.949	0.102	40.1	327.9	97.0	71.4	–20.0	2.01
98	209.7	12.3	307.0	–6.5	39.6	0.948	0.104	39.7	327.7	98.0	72.0	–20.0	2.00
99	209.6	12.3	307.8	–6.2	39.5	0.947	0.105	39.4	327.4	99.0	72.7	–20.0	1.99
100	209.5	12.3	308.6	–6.0	39.3	0.946	0.107	39.0	327.2	100.0	73.4	–19.9	1.98
101	209.4	12.4	309.5	–5.7	39.2	0.945	0.109	38.6	327.0	101.0	74.1	–19.9	1.97
102	209.3	12.4	310.3	–5.5	39.1	0.944	0.110	38.2	326.8	102.0	74.8	–19.8	1.97
103	209.1	12.4	311.1	–5.2	39.0	0.943	0.112	37.9	326.5	103.0	75.4	–19.8	1.96
104	209.0	12.4	312.0	–4.9	38.8	0.942	0.113	37.5	326.3	104.0	76.1	–19.8	1.95
105	208.9	12.5	312.8	–4.7	38.7	0.941	0.115	37.2	326.1	105.0	76.8	–19.7	1.94
106	208.8	12.5	313.6	–4.4	38.6	0.940	0.117	36.8	325.8	106.0	77.5	–19.7	1.93
107	208.7	12.5	314.5	–4.1	38.5	0.939	0.118	36.5	325.6	107.0	78.2	–19.6	1.93
108	208.6	12.5	315.3	–3.9	38.3	0.937	0.120	36.2	325.4	108.0	78.9	–19.6	1.92
109	208.5	12.6	316.1	–3.6	38.2	0.936	0.122	35.8	325.1	109.0	79.5	–19.5	1.91
110	208.4	12.6	316.9	–3.3	38.1	0.935	0.123	35.5	324.9	110.0	80.2	–19.5	1.90
111	208.2	12.6	317.8	–3.0	37.9	0.934	0.125	35.2	324.7	111.0	80.9	–19.5	1.90
112	208.1	12.7	318.6	–2.7	37.8	0.933	0.127	34.9	324.4	112.0	81.6	–19.4	1.89
113	208.0	12.7	319.4	–2.4	37.7	0.932	0.129	34.5	324.2	113.0	82.3	–19.4	1.88
114	207.9	12.7	320.2	–2.2	37.6	0.930	0.130	34.2	324.0	114.0	83.0	–19.3	1.87

Table 3 – Continued, 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
115	207.8	12.7	321.0	–1.9	37.4	0.929	0.132	33.9	323.7	115.0	83.7	–19.3	1.87
116	207.7	12.8	321.8	–1.6	37.3	0.928	0.134	33.6	323.5	116.0	84.4	–19.2	1.86
117	207.6	12.8	322.6	–1.2	37.2	0.927	0.136	33.3	323.3	117.0	85.0	–19.2	1.85
118	207.5	12.8	323.5	–0.9	37.1	0.925	0.138	33.0	323.0	118.0	85.7	–19.1	1.84
119	207.4	12.8	324.3	–0.6	36.9	0.924	0.139	32.7	322.8	119.0	86.4	–19.1	1.84
120	207.2	12.9	325.1	–0.3	36.8	0.923	0.141	32.4	322.5	120.0	87.1	–19.0	1.83

