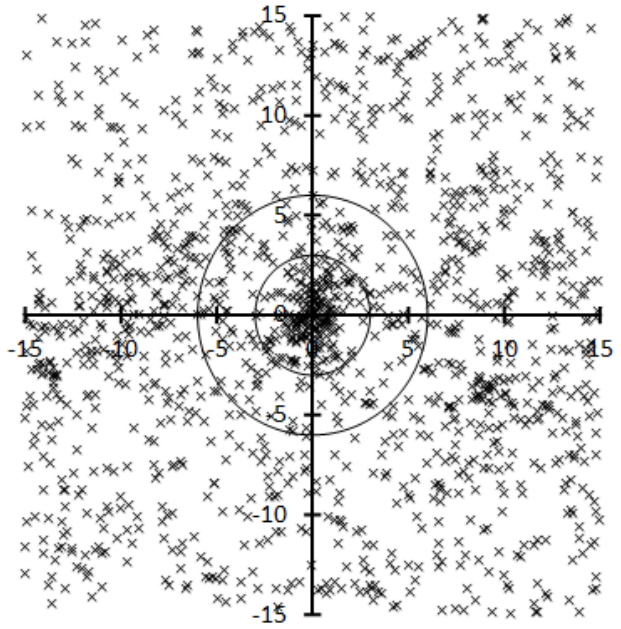
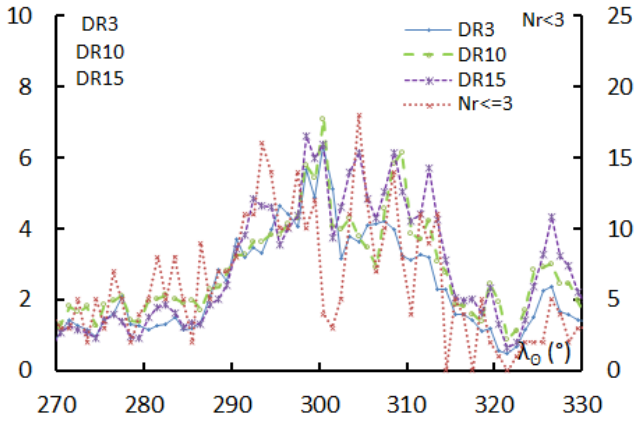
ECV (#0530): Total of **201** orbits. $\lambda_\odot$ = 303.3°, λ_g–$\lambda_\odot$ = 255.3°, β_g = –11.5°, Δr = 3°, $\Delta\lambda_\odot$ = 10°.





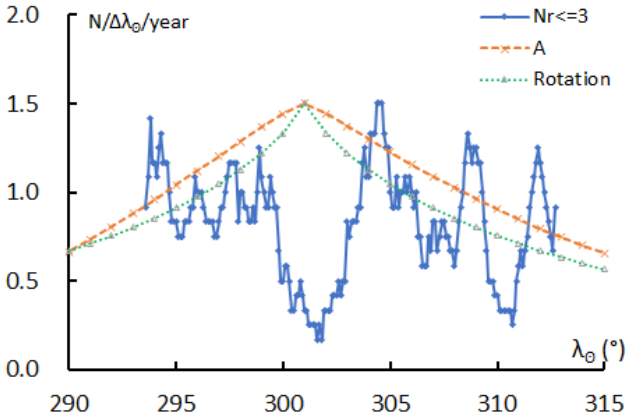


Table 1 – Number per year.

Year	N	Year	N
2007	8	2013	15
2008	9	2014	18
2009	13	2015	16
2010	38	2016	16
2011	12	2017	17
2012	14	2018	25

Table 2 – Activity profiles.

	$\lambda_\odot$	Max
Nr<=3	304.5	18
DR3	300.5	6.3
DR10	300.5	7.1
DR15	298.5	6.6

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
285	259.1	–15.0	177.6	–15.4	67.3	0.780	0.875	152.5	41.4	105.0	66.9	17.8	3.97
286	258.9	–14.8	178.4	–15.5	67.3	0.781	0.872	152.8	42.2	106.0	67.1	17.9	3.98
287	258.7	–14.6	179.2	–15.7	67.3	0.782	0.868	153.1	43.0	107.0	67.3	18.0	3.99
288	258.5	–14.5	180.0	–15.8	67.3	0.784	0.863	153.4	43.7	108.0	67.5	18.0	4.00
289	258.3	–14.3	180.9	–16.0	67.4	0.786	0.859	153.7	44.5	109.0	67.6	18.1	4.01
290	258.1	–14.1	181.7	–16.1	67.4	0.788	0.855	154.0	45.2	110.0	67.8	18.1	4.03
291	257.9	–13.9	182.5	–16.2	67.4	0.790	0.851	154.3	46.0	111.0	68.0	18.1	4.04
292	257.7	–13.7	183.3	–16.4	67.4	0.792	0.847	154.6	46.7	112.0	68.2	18.2	4.06
293	257.5	–13.5	184.1	–16.5	67.4	0.794	0.843	155.0	47.4	113.0	68.4	18.2	4.08
294	257.3	–13.3	184.9	–16.7	67.4	0.796	0.838	155.3	48.2	114.0	68.6	18.2	4.11
295	257.1	–13.1	185.8	–16.8	67.5	0.798	0.834	155.6	48.9	115.0	68.8	18.1	4.13
296	256.9	–12.9	186.6	–17.0	67.5	0.800	0.830	155.9	49.6	116.0	69.0	18.1	4.16
297	256.7	–12.7	187.4	–17.1	67.5	0.803	0.826	156.2	50.3	117.0	69.2	18.1	4.19
298	256.5	–12.6	188.3	–17.2	67.5	0.805	0.821	156.5	51.0	118.0	69.4	18.0	4.22
299	256.3	–12.4	189.1	–17.4	67.5	0.808	0.817	156.8	51.7	119.0	69.7	18.0	4.26
300	256.1	–12.2	189.9	–17.5	67.5	0.811	0.812	157.2	52.4	120.0	69.9	17.9	4.29
301	255.9	–12.0	190.7	–17.7	67.6	0.814	0.808	157.5	53.1	121.0	70.1	17.8	4.33
302	255.7	–11.8	191.6	–17.8	67.6	0.816	0.803	157.8	53.7	122.0	70.4	17.7	4.38
303	255.5	–11.6	192.4	–17.9	67.6	0.819	0.799	158.1	54.4	123.0	70.6	17.6	4.42
304	255.3	–11.4	193.3	–18.1	67.6	0.822	0.795	158.4	55.1	124.0	70.9	17.5	4.47
305	255.1	–11.2	194.1	–18.2	67.6	0.825	0.790	158.8	55.7	125.0	71.2	17.4	4.52

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
306	254.9	–11.0	194.9	–18.3	67.6	0.829	0.786	159.1	56.4	126.0	71.5	17.3	4.58
307	254.7	–10.8	195.8	–18.5	67.7	0.832	0.781	159.4	57.0	127.0	71.7	17.2	4.64
308	254.5	–10.6	196.6	–18.6	67.7	0.835	0.777	159.7	57.6	128.0	72.0	17.0	4.71
309	254.3	–10.4	197.5	–18.7	67.7	0.838	0.772	160.1	58.3	129.0	72.3	16.9	4.77
310	254.1	–10.3	198.3	–18.8	67.7	0.842	0.768	160.4	58.9	130.0	72.6	16.7	4.85
311	253.9	–10.1	199.2	–19.0	67.7	0.845	0.763	160.7	59.5	131.0	73.0	16.5	4.93
312	253.7	–9.9	200.0	–19.1	67.7	0.849	0.758	161.1	60.1	132.0	73.3	16.3	5.01
313	253.5	–9.7	200.9	–19.2	67.8	0.852	0.754	161.4	60.7	133.0	73.6	16.2	5.10
314	253.3	–9.5	201.7	–19.3	67.8	0.856	0.749	161.7	61.3	134.0	74.0	16.0	5.20
315	253.1	–9.3	202.6	–19.5	67.8	0.860	0.745	162.1	61.9	135.0	74.3	15.8	5.30
316	252.9	–9.1	203.5	–19.6	67.8	0.863	0.740	162.4	62.5	136.0	74.7	15.5	5.41
317	252.7	–8.9	204.3	–19.7	67.8	0.867	0.736	162.7	63.0	137.0	75.0	15.3	5.53
318	252.5	–8.7	205.2	–19.8	67.8	0.871	0.731	163.1	63.6	138.0	75.4	15.1	5.66
319	252.3	–8.5	206.1	–19.9	67.9	0.875	0.727	163.4	64.2	139.0	75.8	14.9	5.80
320	252.1	–8.3	206.9	–20.0	67.9	0.879	0.722	163.8	64.7	140.0	76.2	14.6	5.95

