

ORS (#0257): Total of **191** orbits. $\lambda_o = 247.6^\circ$, $\lambda_g - \lambda_o = 190.3^\circ$, $\beta_g = -5.2^\circ$, $\Delta r = 3^\circ$, $\Delta \lambda_o = 5^\circ$.

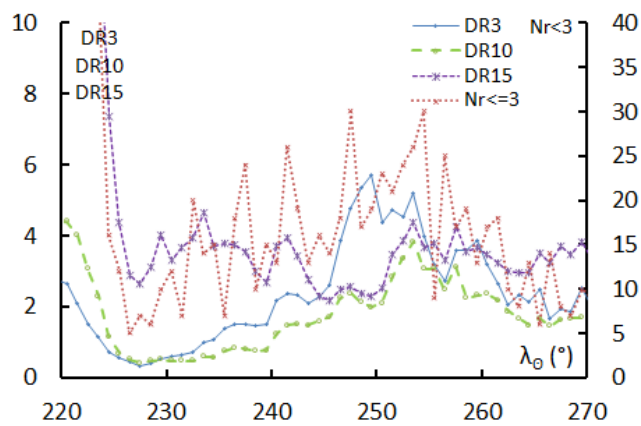
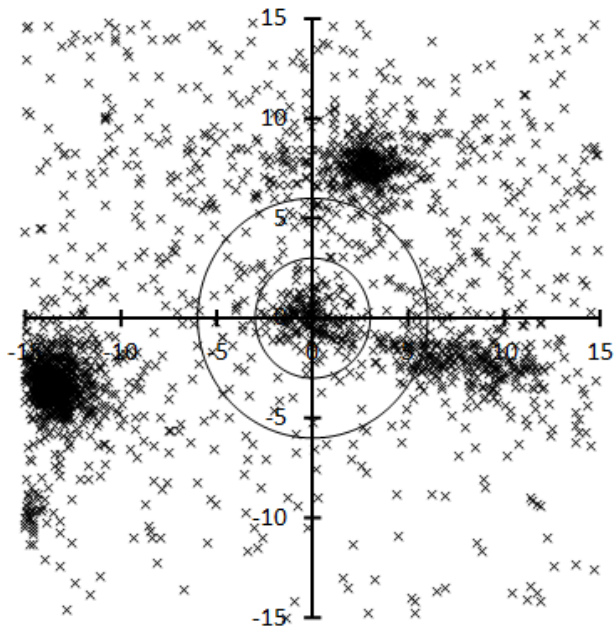


Table 1 – Number per year.

Year	N	Year	N
2007	8	2013	29
2008	24	2014	9
2009	15	2015	13
2010	26	2016	14
2011	11	2017	18
2012	9	2018	15

Table 2 – Activity profiles.

	λ_o	Max
Nr<=3	247.5	30
DR3	249.5	5.7
DR10	251.5	2.9
DR15	241.5	3.9

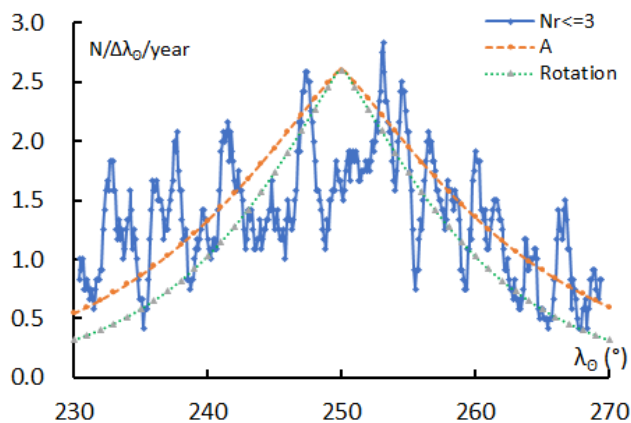


Table 3 – Evolution of the orbital parameters during the activity period.

λ_o	$\lambda_g - \lambda_o$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{π}	β_{π}	a
230	193.8	-4.7	62.7	16.3	28.5	0.828	0.332	5.7	117.9	50.0	168.0	5.0	1.93
231	193.6	-4.7	63.5	16.5	28.4	0.826	0.336	5.6	117.4	51.0	168.5	5.0	1.93
232	193.4	-4.7	64.3	16.6	28.3	0.825	0.339	5.6	116.9	52.0	169.0	5.0	1.94
233	193.2	-4.7	65.1	16.7	28.2	0.824	0.343	5.6	116.4	53.0	169.5	5.0	1.95
234	193.0	-4.7	65.9	16.8	28.1	0.822	0.347	5.5	115.9	54.0	170.1	5.0	1.95
235	192.7	-4.7	66.8	16.9	28.0	0.821	0.351	5.5	115.5	55.0	170.6	5.0	1.96
236	192.5	-4.7	67.6	17.0	27.9	0.820	0.355	5.5	115.0	56.0	171.1	5.0	1.97
237	192.3	-4.8	68.4	17.1	27.8	0.818	0.359	5.4	114.5	57.0	171.6	5.0	1.98
238	192.1	-4.8	69.2	17.2	27.7	0.817	0.363	5.4	114.0	58.0	172.1	4.9	1.98
239	191.9	-4.8	70.0	17.3	27.6	0.815	0.367	5.4	113.5	59.0	172.6	4.9	1.99
240	191.6	-4.8	70.8	17.4	27.5	0.814	0.371	5.3	113.0	60.0	173.1	4.9	2.00
241	191.4	-4.8	71.6	17.5	27.4	0.813	0.375	5.3	112.5	61.0	173.6	4.9	2.00
242	191.2	-4.8	72.4	17.6	27.3	0.811	0.379	5.3	112.0	62.0	174.1	4.9	2.01
243	191.0	-4.8	73.2	17.7	27.2	0.810	0.383	5.3	111.5	63.0	174.6	4.9	2.02
244	190.7	-4.9	74.0	17.7	27.1	0.809	0.387	5.2	111.0	64.0	175.1	4.9	2.02
245	190.5	-4.9	74.8	17.8	27.0	0.807	0.391	5.2	110.5	65.0	175.6	4.9	2.03
246	190.3	-4.9	75.7	17.9	26.9	0.806	0.395	5.2	110.1	66.0	176.1	4.8	2.04
247	190.1	-4.9	76.5	17.9	26.8	0.805	0.399	5.1	109.6	67.0	176.6	4.8	2.05
248	189.9	-4.9	77.3	18.0	26.7	0.803	0.403	5.1	109.1	68.0	177.1	4.8	2.05
249	189.6	-4.9	78.1	18.0	26.6	0.802	0.407	5.1	108.6	69.0	177.7	4.8	2.06
250	189.4	-4.9	78.9	18.1	26.5	0.801	0.411	5.0	108.1	70.0	178.2	4.8	2.06

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

λ_{θ}	$\lambda_g - \lambda_{\theta}$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{Π}	β_{Π}	a
251	189.2	-5.0	79.7	18.1	26.4	0.800	0.415	5.0	107.6	71.0	178.7	4.8	2.07
252	189.0	-5.0	80.5	18.2	26.3	0.798	0.419	5.0	107.1	72.0	179.2	4.8	2.08
253	188.8	-5.0	81.4	18.2	26.2	0.797	0.423	5.0	106.7	73.0	179.7	4.8	2.08
254	188.5	-5.0	82.2	18.2	26.1	0.796	0.427	4.9	106.2	74.0	180.2	4.7	2.09
255	188.3	-5.0	83.0	18.3	26.0	0.794	0.431	4.9	105.7	75.0	180.7	4.7	2.10
256	188.1	-5.0	83.8	18.3	25.9	0.793	0.435	4.9	105.2	76.0	181.3	4.7	2.10
257	187.9	-5.0	84.6	18.3	25.8	0.792	0.439	4.9	104.7	77.0	181.8	4.7	2.11
258	187.7	-5.0	85.4	18.3	25.7	0.791	0.443	4.8	104.2	78.0	182.3	4.7	2.11
259	187.4	-5.1	86.3	18.3	25.6	0.789	0.447	4.8	103.8	79.0	182.8	4.7	2.12
260	187.2	-5.1	87.1	18.3	25.5	0.788	0.451	4.8	103.3	80.0	183.3	4.6	2.13
261	187.0	-5.1	87.9	18.3	25.4	0.787	0.455	4.7	102.8	81.0	183.9	4.6	2.13
262	186.8	-5.1	88.7	18.3	25.3	0.785	0.459	4.7	102.3	82.0	184.4	4.6	2.14
263	186.6	-5.1	89.5	18.3	25.2	0.784	0.463	4.7	101.9	83.0	184.9	4.6	2.14
264	186.3	-5.1	90.4	18.3	25.1	0.783	0.467	4.7	101.4	84.0	185.4	4.6	2.15
265	186.1	-5.1	91.2	18.3	25.0	0.782	0.471	4.6	100.9	85.0	185.9	4.6	2.15
266	185.9	-5.1	92.0	18.3	24.9	0.780	0.475	4.6	100.4	86.0	186.5	4.5	2.16
267	185.7	-5.2	92.8	18.3	24.8	0.779	0.478	4.6	100.0	87.0	187.0	4.5	2.17
268	185.5	-5.2	93.6	18.2	24.7	0.778	0.482	4.6	99.5	88.0	187.5	4.5	2.17
269	185.2	-5.2	94.4	18.2	24.6	0.776	0.486	4.5	99.0	89.0	188.1	4.5	2.18
270	185.0	-5.2	95.3	18.2	24.5	0.775	0.490	4.5	98.6	90.0	188.6	4.5	2.18