

HYD (#0016): Total of **2844** orbits. $\lambda_o = 257.5^\circ$, $\lambda_g - \lambda_o = 230.9^\circ$, $\beta_g = -16.8^\circ$, $\Delta r = 3^\circ$, $\Delta \lambda_o = 10^\circ$.

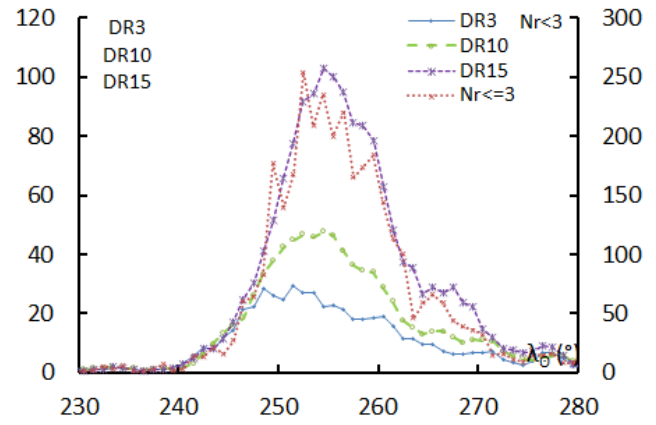
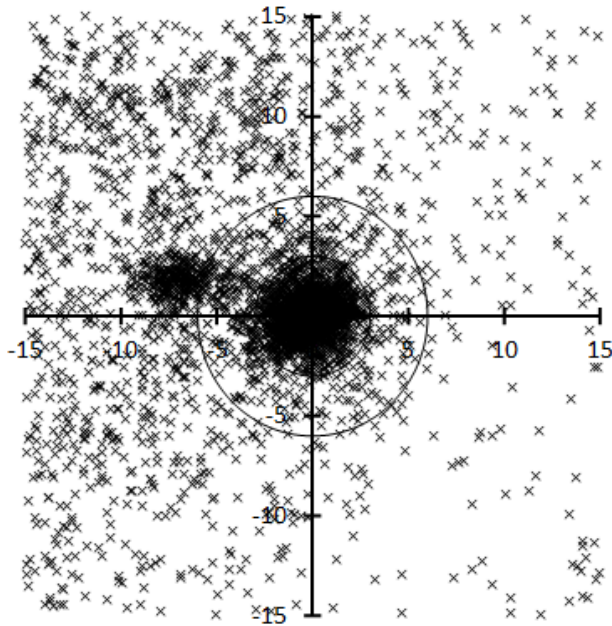


Table 1 – Number per year.

Year	N	Year	N
2007	233	2013	352
2008	309	2014	149
2009	252	2015	194
2010	260	2016	218
2011	187	2017	247
2012	306	2018	137

Table 2 – Activity profiles.

	λ_o	Max
Nr<=3	252.5	254
DR3	251.5	29.6
DR10	254.5	47.6
DR15	254.5	103.2

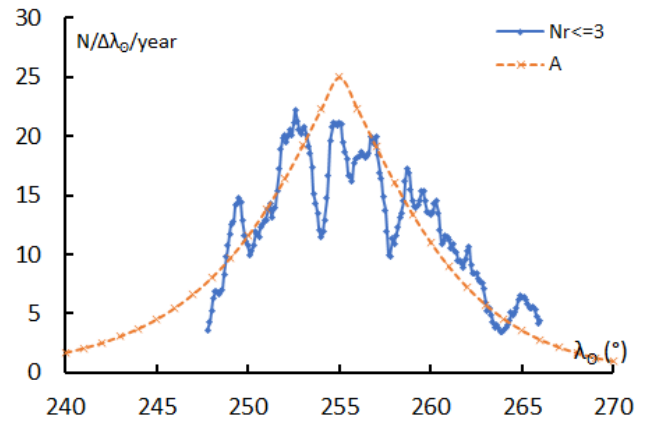


Table 3 – Evolution of the orbital parameters during the activity period.

λ_o	$\lambda_g - \lambda_o$	β_g	α_g	δ_g	v_g	e	q	i	ω	Ω	λ_{π}	β_{π}	a
240	232.6	-16.4	111.7	5.4	59.9	0.991	0.290	132.5	114.8	60.0	295.7	42.0	33.38
241	232.5	-16.4	112.6	5.2	59.8	0.991	0.287	132.3	115.1	61.0	296.2	42.0	30.93
242	232.4	-16.4	113.4	5.1	59.7	0.990	0.285	132.1	115.5	62.0	296.6	42.1	28.84
243	232.2	-16.4	114.2	5.0	59.7	0.990	0.282	131.9	115.8	63.0	297.1	42.1	27.02
244	232.1	-16.4	115.1	4.8	59.6	0.989	0.280	131.7	116.2	64.0	297.6	42.1	25.42
245	232.0	-16.4	115.9	4.7	59.5	0.988	0.277	131.5	116.5	65.0	298.0	42.1	24.02
246	231.9	-16.4	116.8	4.5	59.5	0.988	0.275	131.2	116.8	66.0	298.5	42.1	22.77
247	231.8	-16.4	117.6	4.3	59.4	0.987	0.272	131.0	117.2	67.0	299.0	42.2	21.65
248	231.7	-16.4	118.4	4.2	59.3	0.987	0.270	130.8	117.5	68.0	299.4	42.2	20.64
249	231.6	-16.4	119.3	4.0	59.2	0.986	0.268	130.6	117.8	69.0	299.9	42.2	19.73
250	231.5	-16.4	120.1	3.8	59.2	0.986	0.265	130.4	118.2	70.0	300.4	42.2	18.91
251	231.3	-16.4	120.9	3.6	59.1	0.986	0.263	130.1	118.5	71.0	300.9	42.2	18.15
252	231.2	-16.4	121.8	3.5	59.0	0.985	0.261	129.9	118.8	72.0	301.4	42.2	17.46
253	231.1	-16.4	122.6	3.3	59.0	0.985	0.258	129.7	119.2	73.0	301.8	42.2	16.83
254	231.0	-16.4	123.4	3.1	58.9	0.984	0.256	129.4	119.5	74.0	302.3	42.2	16.24
255	230.9	-16.4	124.3	2.9	58.8	0.984	0.254	129.2	119.8	75.0	302.8	42.2	15.70
256	230.8	-16.4	125.1	2.7	58.7	0.983	0.251	129.0	120.1	76.0	303.3	42.2	15.20
257	230.7	-16.4	125.9	2.5	58.7	0.983	0.249	128.7	120.5	77.0	303.8	42.3	14.73
258	230.6	-16.4	126.8	2.2	58.6	0.983	0.247	128.5	120.8	78.0	304.3	42.3	14.30
259	230.4	-16.4	127.6	2.0	58.5	0.982	0.245	128.3	121.1	79.0	304.8	42.3	13.89
260	230.3	-16.4	128.4	1.8	58.4	0.982	0.243	128.0	121.4	80.0	305.3	42.3	13.51

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
261	230.2	-16.4	129.2	1.6	58.4	0.982	0.240	127.8	121.7	81.0	305.8	42.3	13.15
262	230.1	-16.4	130.0	1.4	58.3	0.981	0.238	127.5	122.0	82.0	306.3	42.2	12.82
263	230.0	-16.4	130.9	1.1	58.2	0.981	0.236	127.3	122.3	83.0	306.8	42.2	12.50
264	229.9	-16.4	131.7	0.9	58.2	0.981	0.234	127.0	122.6	84.0	307.3	42.2	12.20
265	229.8	-16.4	132.5	0.7	58.1	0.981	0.232	126.8	122.9	85.0	307.8	42.2	11.92
266	229.7	-16.4	133.3	0.4	58.0	0.980	0.230	126.5	123.2	86.0	308.3	42.2	11.66
267	229.5	-16.4	134.1	0.2	57.9	0.980	0.228	126.3	123.5	87.0	308.8	42.2	11.40
268	229.4	-16.4	134.9	-0.1	57.9	0.980	0.226	126.0	123.8	88.0	309.3	42.2	11.17
269	229.3	-16.4	135.8	-0.3	57.8	0.980	0.224	125.8	124.1	89.0	309.8	42.2	10.94
270	229.2	-16.4	136.6	-0.6	57.7	0.979	0.222	125.5	124.4	90.0	310.3	42.2	10.73
271	229.1	-16.4	137.4	-0.8	57.7	0.979	0.220	125.3	124.7	91.0	310.8	42.2	10.52
272	229.0	-16.4	138.2	-1.1	57.6	0.979	0.218	125.0	125.0	92.0	311.3	42.2	10.33
273	228.9	-16.4	139.0	-1.4	57.5	0.979	0.216	124.7	125.3	93.0	311.8	42.1	10.14
274	228.8	-16.4	139.8	-1.6	57.4	0.979	0.214	124.5	125.6	94.0	312.4	42.1	9.97
275	228.7	-16.4	140.6	-1.9	57.4	0.978	0.212	124.2	125.8	95.0	312.9	42.1	9.80
276	228.5	-16.4	141.4	-2.2	57.3	0.978	0.210	123.9	126.1	96.0	313.4	42.1	9.64
277	228.4	-16.4	142.2	-2.5	57.2	0.978	0.209	123.7	126.4	97.0	313.9	42.1	9.48
278	228.3	-16.4	143.0	-2.7	57.2	0.978	0.207	123.4	126.7	98.0	314.5	42.0	9.33
279	228.2	-16.4	143.8	-3.0	57.1	0.978	0.205	123.1	126.9	99.0	315.0	42.0	9.19
280	228.1	-16.4	144.6	-3.3	57.0	0.978	0.203	122.8	127.2	100.0	315.5	42.0	9.06
281	228.0	-16.4	145.4	-3.6	56.9	0.977	0.202	122.6	127.5	101.0	316.1	42.0	8.93
282	227.9	-16.4	146.2	-3.9	56.9	0.977	0.200	122.3	127.7	102.0	316.6	42.0	8.81
283	227.8	-16.4	147.0	-4.2	56.8	0.977	0.198	122.0	128.0	103.0	317.1	41.9	8.69
284	227.6	-16.4	147.8	-4.5	56.7	0.977	0.196	121.7	128.3	104.0	317.7	41.9	8.57