

**EVI (#0011):** Total of 161 orbits.  $\lambda_o = 357^\circ$ ,  $\lambda_g - \lambda_o = 185.9^\circ$ ,  $\beta_g = 5.5^\circ$ ,  $\Delta r = 3^\circ$ ,  $\Delta \lambda_o = 5^\circ$ . The radiant distribution looks a long ellipse extending west-eastward. The activity represents a clear periodic nature.

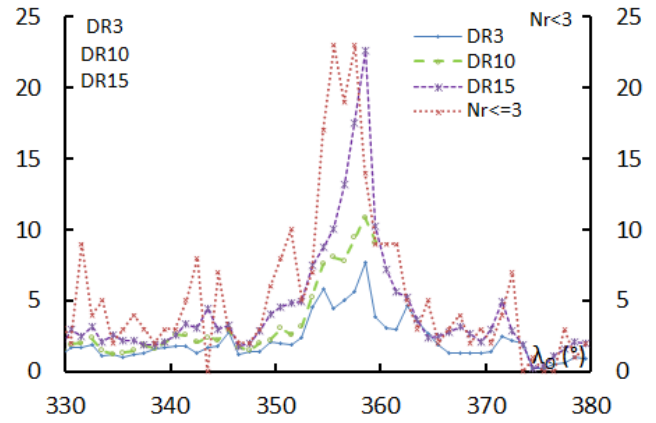
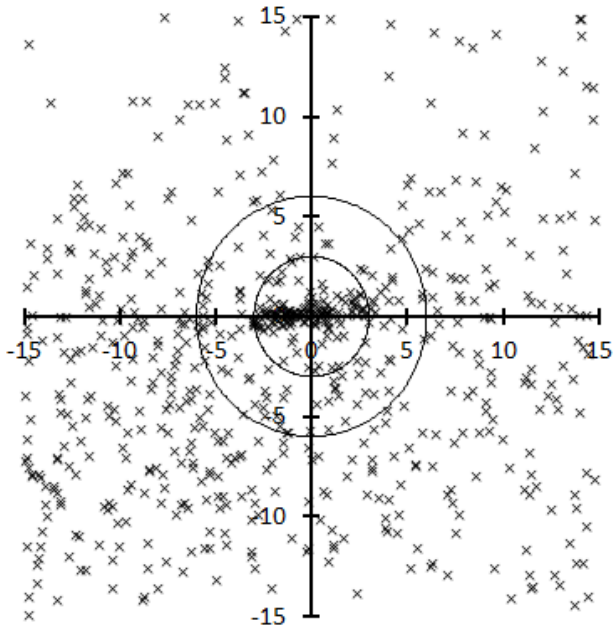


Table 1 – Number per year.

Year	N	Year	N
2007	3	2013	24
2008	0	2014	15
2009	45	2015	1
2010	16	2016	5
2011	2	2017	37
2012	2	2018	11

Table 2 – Activity profiles.

	$\lambda_o$	Max
Nr<=3	355.5	23
DR3	358.5	8.8
DR10	358.5	10.7
DR15	358.5	20.9

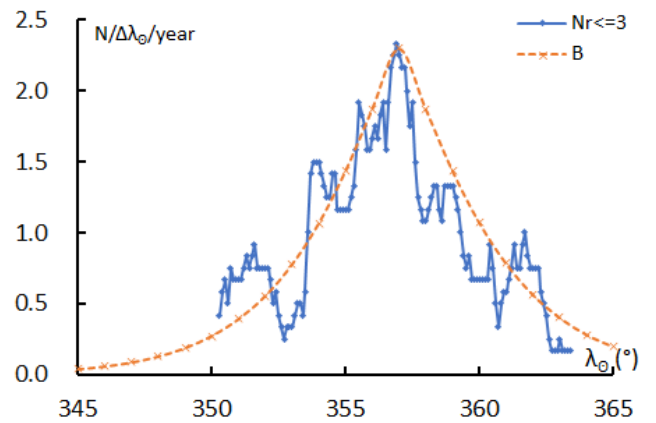


Table 3 – Evolution of the orbital parameters during the activity period.

$\lambda_o$	$\lambda_g - \lambda_o$	$\beta_g$	$\alpha_g$	$\delta_g$	$v_g$	$e$	$q$	$i$	$\omega$	$\Omega$	$\lambda_{\pi}$	$\beta_{\pi}$	$a$
345	192.8	4.3	179.7	4.8	30.1	0.850	0.331	5.5	296.8	345.0	281.9	-4.9	2.21
346	192.3	4.3	180.1	4.7	29.9	0.847	0.340	5.5	295.6	346.0	281.7	-4.9	2.23
347	191.7	4.4	180.6	4.6	29.6	0.844	0.350	5.4	294.4	347.0	281.5	-4.9	2.25
348	191.2	4.5	181.1	4.4	29.4	0.841	0.360	5.4	293.3	348.0	281.4	-5.0	2.27
349	190.7	4.6	181.6	4.3	29.1	0.839	0.369	5.4	292.1	349.0	281.2	-5.0	2.29
350	190.2	4.6	182.0	4.2	28.9	0.836	0.379	5.4	291.0	350.0	281.1	-5.0	2.31
351	189.7	4.7	182.5	4.1	28.6	0.833	0.389	5.3	289.8	351.0	280.9	-5.0	2.33
352	189.2	4.8	183.0	3.9	28.3	0.830	0.398	5.3	288.7	352.0	280.8	-5.0	2.35
353	188.7	4.9	183.4	3.8	28.1	0.828	0.408	5.3	287.6	353.0	280.6	-5.0	2.37
354	188.1	4.9	183.9	3.7	27.8	0.825	0.418	5.2	286.4	354.0	280.5	-5.0	2.38
355	187.6	5.0	184.4	3.5	27.6	0.822	0.427	5.2	285.3	355.0	280.4	-5.0	2.40
356	187.1	5.1	184.9	3.4	27.3	0.819	0.437	5.2	284.2	356.0	280.2	-5.0	2.42
357	186.6	5.1	185.3	3.3	27.0	0.817	0.447	5.2	283.1	357.0	280.1	-5.0	2.44
358	186.1	5.2	185.8	3.2	26.8	0.814	0.456	5.1	281.9	358.0	280.0	-5.0	2.45
359	185.5	5.3	186.3	3.0	26.5	0.811	0.466	5.1	280.8	359.0	279.9	-5.0	2.47
360	185.0	5.4	186.7	2.9	26.3	0.808	0.476	5.1	279.7	0.0	279.8	-5.0	2.48
361	184.5	5.4	187.2	2.8	26.0	0.806	0.485	5.0	278.6	1.0	279.7	-5.0	2.49
362	184.0	5.5	187.7	2.7	25.8	0.803	0.495	5.0	277.5	2.0	279.6	-5.0	2.51
363	183.5	5.6	188.1	2.5	25.5	0.800	0.504	5.0	276.4	3.0	279.5	-4.9	2.52
364	183.0	5.6	188.6	2.4	25.2	0.797	0.513	4.9	275.4	4.0	279.4	-4.9	2.53
365	182.4	5.7	189.1	2.3	25.0	0.794	0.523	4.9	274.3	5.0	279.3	-4.9	2.54