

	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-
	-	1.6	4.3	-	-	-	-	-	-	-	-	-	4.7	-	-
	4.3	-	3.5	-	-	-	-	-	-	-	-	-	-	-	-
KERST	-	-	-	-	-	6.3	-	-	5.4	8.8	-	8.8	7.5	5.7	-
KOSDE	1.3	3.3	-	0.9	2.5	-	-	-	1.0	-	8.5	-	6.5	-	-
	1.0	0.7	-	-	-	-	-	-	-	-	3.3	-	2.5	-	-
LUNRO	1.3	3.8	-	6.7	-	-	-	10.1	0.3	-	9.1	4.0	6.5	7.9	5.1
MOLSI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.6	2.2	3.2	3.8	-	2.6	-	-	-	-	-	-	0.5	-	-
	-	-	2.9	-	-	4.5	-	-	-	-	-	-	0.3	-	-
OCHPA	9.6	5.9	4.9	-	-	-	6.8	7.4	-	-	1.1	8.7	6.1	7.1	-
OTTMI	2.6	-	-	-	-	-	-	-	-	2.9	5.1	1.8	5.9	5.1	0.7
ROTEC	-	0.9	0.6	1.5	-	0.3	-	-	-	-	-	-	-	-	0.5
SCHHA	0.7	0.1	-	2.9	4.0	-	-	-	2.0	-	-	-	-	-	-
STOEN	4.3	-	1.5	-	-	-	8.1	7.1	-	-	-	6.9	4.9	9.0	1.0
	-	-	-	-	-	-	5.4	6.5	-	-	-	6.5	4.1	9.0	1.1
	-	-	-	-	-	-	-	8.3	-	-	-	8.1	8.2	9.0	2.2
STRJO	-	-	0.5	1.0	-	-	-	-	-	-	-	-	-	4.2	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-
TEPIS	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0
YRJIL	-	-	0.3	-	-	-	-	-	-	3.7	-	3.6	-	-	-
Sum	74.5	61.2	36.3	28.0	41.7	38.0	41.5	67.8	25.4	17.4	43.0	71.2	100.5	83.1	31.2

February	16	17	18	19	20	21	22	23	24	25	26	27	28
BRIBE	8.4	-	2.6	3.9	0.8	0.6	-	-	0.8	0.3	1.9	-	-
CASFL	-	-	0.5	-	5.9	-	-	2.7	3.9	-	5.9	-	2.4
	-	-	-	-	4.7	-	-	0.3	1.4	-	3.9	-	-
CRIST	-	1.1	-	1.5	6.7	-	-	-	4.0	-	4.0	-	1.5
	-	-	-	-	-	-	-	-	0.5	-	2.6	-	-
ELTMA	-	-	-	-	-	-	-	-	-	-	-	-	-
GONRU	-	4.8	-	1.7	-	-	-	-	-	-	-	-	-
	-	2.5	4.6	2.5	-	-	-	2.4	-	-	-	-	-
GOVMI	0.3	2.8	4.4	-	2.0	6.7	10.7	1.8	2.9	2.3	0.5	2.0	-
HERCA	-	-	-	-	-	-	-	-	-	-	-	-	-
	4.9	4.7	7.1	6.4	4.4	-	-	4.7	2.3	0.4	5.9	4.6	-
HINWO	-	-	2.7	-	1.1	0.5	5.2	-	-	-	-	-	-
IGAAN	-	3.0	4.6	-	0.5	3.4	0.4	-	-	0.7	-	4.5	1.5
JOBKL	8.3	-	-	8.5	4.4	-	-	-	-	-	-	-	-
KACJA	-	-	-	-	-	-	0.9	-	-	-	-	-	-
	-	-	-	-	-	-	0.6	-	0.3	-	-	2.5	-
	-	-	0.9	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
KERST	-	-	-	-	-	-	6.3	8.0	-	-	6.5	-	-
KOSDE	9.5	-	-	4.0	6.7	-	0.6	-	2.7	1.8	2.5	-	-
	0.2	-	-	2.5	0.5	-	-	-	-	0.5	1.5	-	-
LUNRO	8.6	7.3	6.8	-	-	-	-	8.5	-	-	-	-	-
MOLSI	1.4	3.1	0.3	-	2.0	2.1	-	-	-	-	-	0.2	-
	0.5	0.3	-	-	3.0	1.4	4.0	4.4	-	-	3.8	0.3	5.3
	2.2	-	3.1	-	0.9	-	-	-	-	-	0.4	-	-
	0.7	-	0.2	-	4.2	-	0.3	-	-	1.1	-	-	-
OCHPA	-	-	-	-	7.5	-	-	0.3	1.3	-	4.2	-	1.2
OTTMI	-	0.8	3.1	5.7	-	-	-	-	-	3.8	7.5	1.0	1.3
ROTEC	1.3	1.0	4.0	-	1.8	0.7	-	-	-	-	-	0.6	-
SCHHA	4.9	-	1.5	1.3	-	-	-	-	0.2	-	1.0	-	-
STOEN	-	-	1.1	-	5.4	-	-	-	1.0	-	7.8	-	-
	-	-	-	-	5.9	-	-	-	3.4	-	8.0	-	-
	-	-	1.2	-	6.3	-	-	-	8.1	-	8.0	-	-
STRJO	5.3	-	1.7	-	1.9	-	-	-	-	-	-	-	-
	1.5	-	-	-	-	-	-	-	-	-	-	-	-
	7.7	-	-	-	-	-	-	-	-	-	-	-	-
TEPIS	-	-	-	-	-	7.2	7.0	-	-	-	-	-	-
YRJIL	-	-	7.8	9.2	-	-	0.9	-	1.2	-	-	-	-
Sum	65.7	31.4	58.2	47.2	76.6	22.6	36.9	33.1	34.0	10.9	75.9	15.7	13.2

3. Results (Meteors)

February	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
BRIBE	8	-	4	19	4	-	-	-	-	-	-	-	-	3	-
CASFL	22	14	7	-	-	11	15	12	1	-	-	13	9	13	-
CRIST	19	15	12	-	1	10	26	22	-	-	-	16	17	22	-
ELTMA	28	12	-	-	6	5	8	-	-	-	17	27	-	23	-
GONRU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOVMI	-	14	1	-	-	-	-	12	-	-	-	-	-	-	-
HERCA	34	35	-	-	21	2	-	-	-	-	-	-	31	-	-
HINWO	24	13	-	-	10	4	-	-	3	-	-	-	11	-	-
IGAAN	-	10	4	10	-	-	6	9	-	-	-	-	6	-	7
JOBKL	-	-	-	-	3	5	-	3	10	2	-	2	2	5	-
KACJA	3	3	-	-	18	13	-	16	15	4	1	10	9	15	20
KERST	-	-	-	5	-	-	-	-	-	-	-	-	-	-	18
KOSDE	-	12	-	1	-	-	-	-	-	-	-	-	15	1	-
LUNRO	-	-	-	-	61	-	-	-	-	-	91	-	59	-	-
MOLSI	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCHPA	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
OTTMI	-	1	9	-	-	-	-	-	-	-	-	-	9	-	-
ROTEC	11	-	5	-	-	-	-	-	-	-	-	-	-	-	-
SCHHA	-	-	-	-	-	47	-	-	31	40	-	58	40	34	-
STOEN	5	12	-	8	4	-	-	-	5	-	77	-	29	-	-
STRJO	3	2	-	-	-	-	-	-	-	-	8	-	6	-	-
TEPIS	4	8	-	25	-	-	-	26	1	-	36	10	32	31	32
YRJIL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum	2	6	6	5	-	3	-	-	-	-	-	-	1	-	-
	-	-	5	-	-	9	-	-	-	-	-	-	1	-	-
	23	22	14	-	-	-	26	18	-	-	2	21	19	22	-
	3	-	-	-	-	-	-	-	-	5	16	5	22	21	2
	-	6	6	10	-	1	-	-	-	-	-	-	-	-	3
	2	1	-	10	10	-	-	-	7	-	-	-	-	-	-
	25	-	7	-	-	-	37	18	-	-	-	22	13	34	1
	-	-	-	-	-	-	24	20	-	-	-	11	10	34	1
	-	-	-	-	-	-	-	30	-	-	-	24	21	45	3
	-	-	1	3	-	-	-	-	-	-	-	-	-	9	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	16
	-	-	4	-	-	-	-	-	-	3	-	6	-	-	-
Sum	223	186	90	96	138	110	142	186	73	54	248	225	362	312	103

February	16	17	18	19	20	21	22	23	24	25	26	27	28
BRIBE	25	-	11	14	3	2	-	-	3	1	11	-	-
CASFL	-	-	1	-	25	-	-	5	9	-	18	-	7
CRIST	-	-	-	-	17	-	-	1	4	-	9	-	-
ELTMA	-	6	-	3	27	-	-	-	8	-	19	-	4
GONRU	-	-	-	-	-	-	-	-	1	-	6	-	-
GOVMI	-	-	-	-	-	-	-	-	-	-	-	-	-
HERCA	-	14	-	2	-	-	-	-	-	-	-	-	-
HINWO	-	7	14	10	-	-	-	6	-	-	-	-	-
IGAAN	1	7	10	-	5	15	30	6	12	5	2	4	-
JOBKL	-	-	-	-	-	-	-	-	-	-	-	-	-
KACJA	15	15	20	15	11	-	-	9	4	1	16	8	-
KERST	-	-	7	-	1	2	15	-	-	-	-	-	-
KOSDE	-	6	10	-	1	10	1	-	-	2	-	10	2
LUNRO	45	-	-	47	26	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	9	-	-	-	-	-	-
	-	-	-	-	-	-	3	-	1	-	-	7	-
	-	-	4	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	49	68	-	-	50	-	-
	32	-	-	30	48	-	5	-	8	7	18	-	-
	4	-	-	6	2	-	-	-	-	3	3	-	-
	29	33	26	-	-	-	-	35	-	-	-	-	-

MOLSI	4	13	1	-	11	7	-	-	-	-	-	1	-
	2	1	-	-	7	3	8	11	-	-	25	1	23
	6	-	8	-	3	-	-	-	-	-	1	-	-
	3	-	1	-	10	-	1	-	-	2	-	-	-
OCHPA	-	-	-	-	26	-	-	1	2	-	16	-	2
OTTMI	-	1	8	12	-	-	-	-	-	12	21	3	3
ROTEC	3	1	9	-	6	2	-	-	-	-	-	2	-
SCHHA	17	-	5	4	-	-	-	-	1	-	4	-	-
STOEN	-	-	2	-	22	-	-	-	3	-	40	-	-
	-	-	-	-	30	-	-	-	11	-	39	-	-
	-	-	1	-	29	-	-	-	20	-	46	-	-
STRJO	14	-	5	-	5	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-
	32	-	-	-	-	-	-	-	-	-	-	-	-
TEPIS	-	-	-	-	-	22	23	-	-	-	-	-	-
YRJIL	-	-	10	28	-	-	4	-	3	-	-	-	-
Sum	235	104	153	171	315	63	148	142	90	33	344	36	41

With respect to the weather, February 2010 was another month that we should forget soon. Whereas the south Europeans still had acceptable conditions, the more northern observers were almost fully clouded out. Only in the second half of February the weather slowly improved. In the end, we collected less than 1,300 hours of effective observing time – less than in any other month since June 2008. The total meteor number was higher than in February 2009, though, because the hourly average was 3.4 meteors (compared to the long-term February average of 2.5 meteors per hour).

February is a month with almost no meteor showers. Our IMO video meteor data analysis from 2009 revealed just two active sources – the pi Hydrids (101 PIH) between February 4 and 8, and the newly discovered beta Herculids (418 BHE) between February 11 and 15. Now I checked, whether these showers were present in this year's data as well by recomputing the meteor shower assignment of all observations with an adapted meteor shower list. The Antihelion source was used for comparison. The results are given in figure 1.

A total of 39 pi Hydrids (76 ANT / 570 SPO) and 60 beta Herculids (152 ANT / 1025 SPO) were detected – the number of ANT and SPO in the same activity interval are given in brackets. Both shower show the expected profile with maxima on February 6 (PIH) and 12 (BHE), respectively. That agrees well with the data from our last analysis. The Antihelion source, in comparison, shows an almost constant activity in all of February. With respect to the plain meteor number, it was slightly more active than the other two showers.

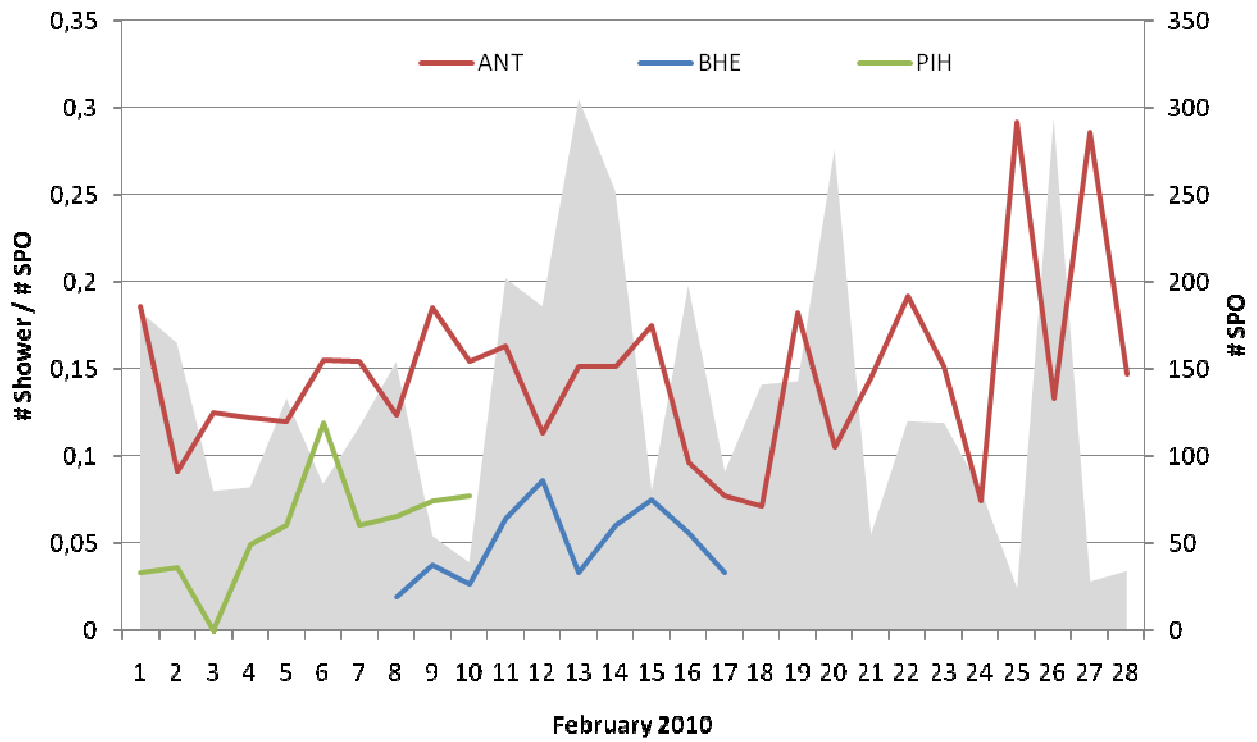


Figure 1: Number of pi Hydrids, beta Herculids and Antihelion meteors relative to the number of Sporadics in the same night. The absolute number of sporadic meteors is shown in the background.