

Constellation profile: starlink.dat
Statistics over 0100 crossings

<i>Latitude= +037 °</i>		<i>FOV= 0062 '</i>			<i>T= 0030 s</i>		<i>Sun delcination= +000 °</i>	
		PM			AM			
<i>Sun elevation →</i>		-12°	-25°	-37°	-37°	-25°	-12°	<i>← Sun elevation</i>
S	Crossing expectance	0000.06	0000.02			0000.03	0000.06	Crossing expectance
	Expected path (')	0002.91	0000.66			0001.17	0002.93	Expected path (')
	V (mag)	04.68±01.14	06.10±00.12			06.12±00.13	04.73±01.15	V (mag)
	Speed ('/s)	36.37±16.13	14.16±01.05	00.00±00.00	00.00±00.00	13.96±01.17	35.54±16.35	Speed ('/s)
W	Crossing expectance	0000.08	0000.03	0000.03		0000.01	0000.08	Crossing expectance
	Expected path (')	0003.76	0001.60	0001.45		0000.29	0003.94	Expected path (')
	V (mag)	06.13±01.22	06.54±00.75	06.63±00.13		06.16±00.03	04.47±01.25	V (mag)
	Speed ('/s)	29.79±14.07	19.17±06.94	14.95±00.82	00.00±00.00	13.82±00.44	31.76±14.39	Speed ('/s)
N	Crossing expectance	0000.11	0000.04	0000.02	0000.01	0000.05	0000.12	Crossing expectance
	Expected path (')	0005.44	0001.52	0000.66	0000.33	0002.02	0005.69	Expected path (')
	V (mag)	04.87±01.13	06.48±00.11	06.64±00.13	06.66±00.13	06.57±00.17	04.96±01.18	V (mag)
	Speed ('/s)	38.01±16.74	14.72±01.25	12.41±00.75	12.27±00.71	13.91±01.69	36.95±17.43	Speed ('/s)
E	Crossing expectance	0000.10	0000.01		0000.03	0000.05	0000.09	Crossing expectance
	Expected path (')	0004.55	0000.27		0001.30	0002.02	0004.13	Expected path (')
	V (mag)	04.37±01.19	06.12±00.04		06.66±00.15	06.61±00.72	05.90±01.21	V (mag)
	Speed ('/s)	32.65±13.95	14.56±00.47	00.00±00.00	14.78±00.66	18.70±06.71	32.54±14.20	Speed ('/s)
Z	Crossing expectance	0000.06	0000.02			0000.02	0000.05	Crossing expectance
	Expected path (')	0002.71	0000.93			0001.06	0002.15	Expected path (')
	V (mag)	04.14±01.23	05.56±00.14			05.55±00.15	04.36±01.30	V (mag)
	Speed ('/s)	52.33±24.85	21.09±01.24	00.00±00.00	00.00±00.00	21.11±01.32	48.26±26.18	Speed ('/s)
Pointing directions:					S, W, N, E, at +45° elevation			Z: zenith

Crossing expectance: p . Expected number of traces per shot. If N shots are done under the same circumstances, then pN traces are expected in the whole set of images.

Expected path: L . If N shots are done under the same circumstances, then pN traces will be present and, in average, each trace will be of length L/p arcminutes.

Average apparent magnitude: V . Average apparent visual magnitude of tracing satellites, and its standard deviation.

Average apparent angular speed: Average apparent angular speed of tracing satellites in arcminutes per second, and its standard deviation.

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<i>Latitude= +037 °</i>		<i>FOV= 0062 '</i>			<i>T= 0030 s</i>		<i>Sun delcination= -023 °</i>	
		PM			AM			
<i>Sun elevation →</i>		-12°	-25°	-37°	-37°	-25°	-12°	<i>← Sun elevation</i>
S	Crossing expectance	0000.08	0000.03			0000.03	0000.08	Crossing expectance
	Expected path (')	0003.59	0001.23			0001.22	0003.78	Expected path (')
	V (mag)	05.22±01.21	06.38±00.12			06.41±00.13	05.10±01.13	V (mag)
	Speed ('/s)	34.07±17.21	14.14±01.03	00.00±00.00	00.00±00.00	13.98±01.20	35.17±16.18	Speed ('/s)
W	Crossing expectance	0000.08	0000.05	0000.03		0000.01	0000.10	Crossing expectance
	Expected path (')	0003.74	0002.15	0001.24		0000.29	0004.61	Expected path (')
	V (mag)	05.90±01.20	06.62±00.71	06.79±00.16		06.12±00.04	04.62±01.21	V (mag)
	Speed ('/s)	31.17±13.72	18.76±06.54	14.68±00.74	00.00±00.00	14.30±00.40	29.93±13.86	Speed ('/s)
N	Crossing expectance	0000.12	0000.04			0000.04	0000.12	Crossing expectance
	Expected path (')	0005.50	0001.55			0001.74	0005.71	Expected path (')
	V (mag)	04.64±01.18	06.21±00.15			06.17±00.09	04.63±01.19	V (mag)
	Speed ('/s)	37.14±17.40	14.49±01.46	00.00±00.00	00.00±00.00	14.79±01.15	37.36±17.53	Speed ('/s)
E	Crossing expectance	0000.09	0000.01		0000.02	0000.04	0000.10	Crossing expectance
	Expected path (')	0004.06	0000.28		0000.94	0001.96	0004.31	Expected path (')
	V (mag)	04.38±01.18	06.09±00.03		06.76±00.14	06.61±00.69	05.93±01.25	V (mag)
	Speed ('/s)	32.94±13.82	14.43±00.55	00.00±00.00	14.84±00.70	18.74±06.57	31.50±14.40	Speed ('/s)
Z	Crossing expectance	0000.07	0000.03			0000.02	0000.04	Crossing expectance
	Expected path (')	0003.27	0000.96			0000.89	0001.89	Expected path (')
	V (mag)	04.38±01.29	05.58±00.17			05.59±00.17	04.13±01.26	V (mag)
	Speed ('/s)	47.77±25.60	20.85±01.55	00.00±00.00	00.00±00.00	20.73±01.56	52.91±25.87	Speed ('/s)
Pointing directions:					S, W, N, E, at +45° elevation			Z: zenith

Crossing expectance: p . Expected number of traces per shot. If N shots are done under the same circumstances, then pN traces are expected in the whole set of images.

Expected path: L . If N shots are done under the same circumstances, then pN traces will be present and, in average, each trace will be of length L/p arcminutes.

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		PM			AM			
<i>Sun elevation →</i>		-12°	-25°	-37°	-37°	-25°	-12°	<i>← Sun elevation</i>
S	Crossing expectance	0000.06	0000.02			0000.01	0000.08	Crossing expectance
	Expected path (')	0003.13	0000.51			0000.41	0003.78	Expected path (')
	V (mag)	04.32±01.13	06.07±00.15			06.05±00.16	04.35±01.12	V (mag)
	Speed ('/s)	38.09±16.17	12.35±00.85	00.00±00.00	00.00±00.00	12.44±00.91	37.58±16.22	Speed ('/s)
W	Crossing expectance	0000.09	0000.03			0000.03	0000.09	Crossing expectance
	Expected path (')	0004.19	0001.40			0001.40	0004.23	Expected path (')
	V (mag)	05.42±01.13	06.11±00.72			06.10±00.15	04.41±01.17	V (mag)
	Speed ('/s)	34.16±13.39	19.35±06.87	00.00±00.00	00.00±00.00	14.70±00.69	33.56±13.91	Speed ('/s)
N	Crossing expectance	0000.12	0000.05			0000.06	0000.13	Crossing expectance
	Expected path (')	0005.27	0002.25			0002.56	0005.79	Expected path (')
	V (mag)	05.42±01.19	06.52±00.69			06.69±00.62	05.27±01.11	V (mag)
	Speed ('/s)	36.71±17.49	18.79±07.32	00.00±00.00	00.00±00.00	17.00±06.50	38.57±16.64	Speed ('/s)
E	Crossing expectance	0000.08	0000.04			0000.04	0000.10	Crossing expectance
	Expected path (')	0003.95	0001.54			0002.05	0004.88	Expected path (')
	V (mag)	04.31±01.13	06.17±00.16			06.01±00.76	05.39±01.13	V (mag)
	Speed ('/s)	34.68±13.64	14.71±00.82	00.00±00.00	00.00±00.00	20.42±07.12	34.42±13.12	Speed ('/s)
Z	Crossing expectance	0000.05	0000.02			0000.01	0000.05	Crossing expectance
	Expected path (')	0002.47	0000.81			0000.67	0002.45	Expected path (')
	V (mag)	04.27±01.27	05.58±00.16			05.53±00.13	04.25±01.30	V (mag)
	Speed ('/s)	50.02±25.57	20.84±01.39	00.00±00.00	00.00±00.00	21.32±01.23	50.64±26.15	Speed ('/s)
Pointing directions:					S, W, N, E, at +45° elevation			Z: zenith

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