

Constellation profile: starlink.dat
Statistics over 0100 crossings

<i>Latitude= +037 °</i>		<i>FOV= 0036 '</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	0000.04	0000.01			0000.01	0000.05	Crossing expectance
	Expected path (')	0001.02	0000.42			0000.27	0001.27	Expected path (')
	V (mag)	04.58±01.11	06.10±00.11			06.14±00.16	04.85±01.17	V (mag)
	Speed ('/s)	38.06±16.13	14.13±01.03	00.00±00.00	00.00±00.00	13.90±01.36	34.02±16.89	Speed ('/s)
W	Crossing expectance	0000.05	0000.02	0000.01		0000.00	0000.05	Crossing expectance
	Expected path (')	0001.37	0000.57	0000.37		0000.06	0001.53	Expected path (')
	V (mag)	05.89±01.14	06.51±00.73	06.70±00.17		06.14±00.05	04.34±01.21	V (mag)
	Speed ('/s)	32.32±13.73	19.34±06.84	14.65±00.81	00.00±00.00	13.89±00.76	33.20±13.84	Speed ('/s)
N	Crossing expectance	0000.06	0000.03	0000.01	0000.00	0000.02	0000.06	Crossing expectance
	Expected path (')	0001.49	0000.70	0000.17	0000.11	0000.67	0001.61	Expected path (')
	V (mag)	05.15±01.25	06.55±00.16	06.62±00.16	06.72±00.05	06.50±00.13	05.13±01.17	V (mag)
	Speed ('/s)	34.46±18.20	13.96±01.57	12.63±00.88	11.92±00.06	14.57±01.36	33.93±17.08	Speed ('/s)
E	Crossing expectance	0000.06	0000.00		0000.01	0000.01	0000.05	Crossing expectance
	Expected path (')	0001.68	0000.07		0000.37	0000.48	0001.46	Expected path (')
	V (mag)	04.46±01.15	06.14±00.05		06.69±00.17	06.62±00.75	05.73±01.11	V (mag)
	Speed ('/s)	31.69±13.52	14.26±00.45	00.00±00.00	14.96±00.88	18.78±06.78	34.42±13.15	Speed ('/s)
Z	Crossing expectance	0000.04	0000.01			0000.01	0000.03	Crossing expectance
	Expected path (')	0001.12	0000.27			0000.20	0000.88	Expected path (')
	V (mag)	04.11±01.24	05.65±00.18			05.60±00.19	04.09±01.23	V (mag)
	Speed ('/s)	52.99±25.00	20.24±01.67	00.00±00.00	00.00±00.00	20.60±01.66	53.35±24.78	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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		PM			AM				
Sun elevation →		-12°	-25°	-37°	-37°	-25°	-12°	← Sun elevation	
S	Crossing expectance	0000.05	0000.01			0000.01	0000.05	Crossing expectance	S
	Expected path (’)	0001.45	0000.23			0000.28	0001.34	Expected path (’)	
	V (mag)	04.83±01.04	06.40±00.13			06.43±00.16	05.30±01.27	V (mag)	
	Speed (’/s)	39.36±15.32	13.95±01.20	00.00±00.00	00.00±00.00	13.89±01.36	33.09±17.76	Speed (’/s)	
W	Crossing expectance	0000.04	0000.03	0000.02		0000.01	0000.05	Crossing expectance	W
	Expected path (’)	0001.21	0000.72	0000.44		0000.20	0001.39	Expected path (’)	
	V (mag)	05.92±01.19	06.76±00.66	06.78±00.16		06.15±00.02	04.50±01.25	V (mag)	
	Speed (’/s)	31.14±13.81	17.48±05.95	14.64±00.77	00.00±00.00	13.86±00.41	31.81±14.37	Speed (’/s)	
N	Crossing expectance	0000.07	0000.02			0000.02	0000.07	Crossing expectance	N
	Expected path (’)	0001.89	0000.60			0000.59	0001.88	Expected path (’)	
	V (mag)	04.60±01.16	06.18±00.11			06.21±00.14	04.66±01.20	V (mag)	
	Speed (’/s)	37.59±17.06	14.67±01.27	00.00±00.00	00.00±00.00	14.34±01.48	37.05±17.76	Speed (’/s)	
E	Crossing expectance	0000.04	0000.01		0000.02	0000.02	0000.05	Crossing expectance	E
	Expected path (’)	0001.10	0000.21		0000.47	0000.57	0001.46	Expected path (’)	
	V (mag)	04.53±01.25	06.12±00.04		06.78±00.16	06.73±00.60	05.97±01.18	V (mag)	
	Speed (’/s)	31.19±14.64	14.11±00.64	00.00±00.00	14.90±00.78	17.52±05.59	31.02±13.98	Speed (’/s)	
Z	Crossing expectance	0000.03	0000.01			0000.01	0000.02	Crossing expectance	Z
	Expected path (’)	0000.82	0000.35			0000.23	0000.61	Expected path (’)	
	V (mag)	04.16±01.27	05.57±00.16			05.53±00.13	04.02±01.24	V (mag)	
	Speed (’/s)	52.20±25.63	21.00±01.45	00.00±00.00	00.00±00.00	21.35±01.24	55.11±25.60	Speed (’/s)	
Pointing directions:					S, W, N, E, at +45° elevation			Z: zenith	

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		PM			AM			
<i>Sun elevation →</i>		-12°	-25°	-37°	-37°	-25°	-12°	<i>← Sun elevation</i>
S	Crossing expectance	0000.04	0000.01			0000.00	0000.05	Crossing expectance
	Expected path (')	0001.14	0000.20			0000.05	0001.19	Expected path (')
	V (mag)	04.68±01.28	06.15±00.13			06.06±00.17	04.21±01.05	V (mag)
	Speed ('/s)	33.49±17.96	11.96±00.70	00.00±00.00	00.00±00.00	12.41±01.01	39.30±15.11	Speed ('/s)
W	Crossing expectance	0000.05	0000.04			0000.02	0000.05	Crossing expectance
	Expected path (')	0001.33	0000.88			0000.60	0001.44	Expected path (')
	V (mag)	05.63±01.21	06.12±00.72			06.07±00.13	04.37±01.16	V (mag)
	Speed ('/s)	31.92±14.00	19.28±06.83	00.00±00.00	00.00±00.00	14.96±00.80	34.31±13.92	Speed ('/s)
N	Crossing expectance	0000.06	0000.03			0000.03	0000.07	Crossing expectance
	Expected path (')	0001.74	0000.73			0000.66	0001.92	Expected path (')
	V (mag)	05.28±01.14	06.64±00.65			06.55±00.66	05.26±01.17	V (mag)
	Speed ('/s)	38.55±16.75	17.57±06.80	00.00±00.00	00.00±00.00	18.44±06.91	39.32±17.17	Speed ('/s)
E	Crossing expectance	0000.05	0000.03			0000.02	0000.06	Crossing expectance
	Expected path (')	0001.20	0000.61			0000.53	0001.69	Expected path (')
	V (mag)	04.41±01.17	06.06±00.12			05.92±00.78	05.67±01.21	V (mag)
	Speed ('/s)	33.15±13.55	14.97±00.75	00.00±00.00	00.00±00.00	20.73±07.56	31.33±14.01	Speed ('/s)
Z	Crossing expectance	0000.03	0000.01			0000.01	0000.03	Crossing expectance
	Expected path (')	0000.72	0000.20			0000.30	0000.64	Expected path (')
	V (mag)	04.18±01.20	05.76±00.15			05.53±00.13	04.08±01.30	V (mag)
	Speed ('/s)	50.93±24.89	19.21±01.35	00.00±00.00	00.00±00.00	21.28±01.18	54.32±26.20	Speed ('/s)
Pointing directions:					S, W, N, E, at +45° elevation			Z: zenith

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