

Constellation profile: starlink.dat
Statistics over 0100 crossings

<i>Latitude= -024 °</i>		<i>FOV= 0085 '</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	0000.09	0000.04	0000.01	0000.01	0000.04	0000.09	Crossing expectance
	Expected path (')	0005.78	0002.10	0000.45	0000.67	0001.82	0005.19	Expected path (')
	V (mag)	05.04±01.19	06.40±00.12	06.60±00.04	06.63±00.02	06.42±00.14	04.96±01.19	V (mag)
	Speed ('/s)	32.93±16.13	14.15±01.06	11.82±00.13	11.71±00.08	14.00±01.22	34.16±16.13	Speed ('/s)
W	Crossing expectance	0000.11	0000.05	0000.04		0000.01	0000.09	Crossing expectance
	Expected path (')	0006.80	0003.03	0002.23		0000.68	0005.98	Expected path (')
	V (mag)	06.03±01.20	06.70±00.71	06.77±00.17		06.12±00.04	04.42±01.18	V (mag)
	Speed ('/s)	32.50±15.00	18.87±06.92	14.93±00.82	00.00±00.00	14.31±00.54	33.77±14.89	Speed ('/s)
N	Crossing expectance	0000.09	0000.04			0000.03	0000.08	Crossing expectance
	Expected path (')	0005.68	0001.97			0001.64	0005.11	Expected path (')
	V (mag)	04.79±01.13	06.17±00.10			06.23±00.15	04.94±01.26	V (mag)
	Speed ('/s)	33.84±15.18	13.84±00.85	00.00±00.00	00.00±00.00	13.48±01.21	32.52±16.51	Speed ('/s)
E	Crossing expectance	0000.10	0000.01		0000.04	0000.05	0000.09	Crossing expectance
	Expected path (')	0005.66	0000.58		0001.94	0003.00	0005.68	Expected path (')
	V (mag)	04.53±01.23	06.11±00.04		06.69±00.13	06.55±00.73	06.22±01.22	V (mag)
	Speed ('/s)	32.73±15.46	14.41±00.44	00.00±00.00	15.27±00.76	19.92±07.32	30.28±15.46	Speed ('/s)
Z	Crossing expectance	0000.04	0000.02			0000.02	0000.05	Crossing expectance
	Expected path (')	0002.58	0001.10			0001.16	0003.61	Expected path (')
	V (mag)	04.38±01.31	05.51±00.09			05.62±00.18	04.12±01.26	V (mag)
	Speed ('/s)	48.15±26.20	21.55±00.77	00.00±00.00	00.00±00.00	20.58±01.68	53.04±25.21	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	0000.11	0000.04	0000.04	0000.03	0000.05	0000.10	Crossing expectance	S
	Expected path (’)	0006.74	0002.37	0001.96	0001.86	0002.98	0005.94	Expected path (’)	
	V (mag)	05.53±01.23	06.19±00.75	06.64±00.11	06.68±00.15	06.41±00.69	05.61±01.25	V (mag)	
	Speed (’/s)	31.17±16.49	19.42±07.44	14.01±01.05	13.85±01.30	17.34±06.75	30.36±16.81	Speed (’/s)	
W	Crossing expectance	0000.08	0000.05	0000.02		0000.04	0000.10	Crossing expectance	W
	Expected path (’)	0004.52	0002.90	0000.81		0002.02	0005.98	Expected path (’)	
	V (mag)	05.83±01.22	06.43±00.72	06.69±00.05		05.98±00.16	04.52±01.21	V (mag)	
	Speed (’/s)	32.27±15.27	19.20±07.09	14.22±00.49	00.00±00.00	15.14±00.86	33.49±15.26	Speed (’/s)	
N	Crossing expectance	0000.08	0000.03			0000.02	0000.08	Crossing expectance	N
	Expected path (’)	0004.97	0001.73			0001.30	0005.18	Expected path (’)	
	V (mag)	04.65±01.20	06.06±00.16			05.96±00.11	04.60±01.15	V (mag)	
	Speed (’/s)	32.83±16.10	13.17±01.27	00.00±00.00	00.00±00.00	13.90±00.92	33.14±15.38	Speed (’/s)	
E	Crossing expectance	0000.09	0000.03		0000.01	0000.04	0000.10	Crossing expectance	E
	Expected path (’)	0005.70	0001.63		0000.55	0002.44	0006.15	Expected path (’)	
	V (mag)	04.61±01.19	06.03±00.15		06.69±00.05	06.37±00.69	05.76±01.17	V (mag)	
	Speed (’/s)	32.20±15.07	15.07±00.76	00.00±00.00	14.21±00.50	19.46±07.01	33.06±14.79	Speed (’/s)	
Z	Crossing expectance	0000.06	0000.02			0000.03	0000.06	Crossing expectance	Z
	Expected path (’)	0003.59	0001.17			0001.81	0003.93	Expected path (’)	
	V (mag)	04.40±01.32	05.63±00.17			05.60±00.17	04.25±01.27	V (mag)	
	Speed (’/s)	47.60±26.22	20.49±01.59	00.00±00.00	00.00±00.00	20.70±01.60	50.27±25.42	Speed (’/s)	
Pointing directions:					S, W, N, E, at +45° elevation			Z: zenith	

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<i>Sun elevation →</i>		-12°	-25°	-37°	-37°	-25°	-12°	<i>← Sun elevation</i>
S	Crossing expectance	0000.10	0000.03			0000.04	0000.10	Crossing expectance
	Expected path (')	0006.55	0001.88			0002.12	0005.90	Expected path (')
	V (mag)	04.92±01.21	06.16±00.13			06.21±00.16	04.83±01.17	V (mag)
	Speed ('/s)	30.89±16.15	13.98±01.14	00.00±00.00	00.00±00.00	13.55±01.35	32.05±15.96	Speed ('/s)
W	Crossing expectance	0000.10	0000.05	0000.04		0000.01	0000.09	Crossing expectance
	Expected path (')	0005.92	0002.84	0002.32		0000.54	0005.32	Expected path (')
	V (mag)	05.99±01.23	06.66±00.70	06.77±00.15		06.11±00.04	04.51±01.19	V (mag)
	Speed ('/s)	32.16±15.59	18.86±06.83	15.21±00.95	00.00±00.00	14.28±00.55	32.85±14.85	Speed ('/s)
N	Crossing expectance	0000.08	0000.03			0000.03	0000.09	Crossing expectance
	Expected path (')	0004.71	0002.11			0001.66	0005.90	Expected path (')
	V (mag)	05.24±01.24	06.45±00.13			06.46±00.15	05.22±01.17	V (mag)
	Speed ('/s)	32.66±16.43	13.66±01.05	00.00±00.00	00.00±00.00	13.59±01.11	32.20±15.48	Speed ('/s)
E	Crossing expectance	0000.08	0000.01		0000.04	0000.05	0000.11	Crossing expectance
	Expected path (')	0005.31	0000.80		0002.16	0002.83	0006.29	Expected path (')
	V (mag)	04.40±01.14	06.14±00.04		06.74±00.15	06.65±00.65	06.03±01.18	V (mag)
	Speed ('/s)	34.12±14.46	14.15±00.49	00.00±00.00	15.20±00.78	18.82±06.54	31.43±15.09	Speed ('/s)
Z	Crossing expectance	0000.06	0000.02			0000.02	0000.06	Crossing expectance
	Expected path (')	0003.75	0001.49			0001.19	0003.61	Expected path (')
	V (mag)	04.25±01.26	05.59±00.16			05.57±00.15	04.27±01.22	V (mag)
	Speed ('/s)	50.28±25.28	20.80±01.43	00.00±00.00	00.00±00.00	21.04±01.34	49.33±24.57	Speed ('/s)
Pointing directions:					S, W, N, E, at +45° elevation			Z: zenith

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