

Constellation profile: starlink.dat
Statistics over 0100 crossings

<i>Latitude= +029 °</i>		<i>FOV= 0010 '</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	0000.01	0000.00			0000.00	0000.01	Crossing expectance
	Expected path (')	0000.11	0000.02			0000.02	0000.09	Expected path (')
	V (mag)	04.31±00.76	06.24±00.20			06.22±00.21	04.72±01.27	V (mag)
	Speed ('/s)	39.78±11.94	13.20±01.78	00.00±00.00	00.00±00.00	13.52±01.63	35.75±17.07	Speed ('/s)
W	Crossing expectance	0000.01	0000.00	0000.00		0000.00	0000.01	Crossing expectance
	Expected path (')	0000.08	0000.02	0000.03		0000.03	0000.09	Expected path (')
	V (mag)	06.22±01.24	07.11±00.26	06.70±00.18		06.11±00.05	04.31±01.22	V (mag)
	Speed ('/s)	29.31±15.63	14.22±01.03	14.84±00.68	00.00±00.00	14.20±00.60	34.97±14.53	Speed ('/s)
N	Crossing expectance	0000.01	0000.00	0000.00	0000.00	0000.01	0000.01	Crossing expectance
	Expected path (')	0000.11	0000.02	0000.02	0000.02	0000.05	0000.06	Expected path (')
	V (mag)	04.62±01.15	06.52±00.20	06.66±00.04	06.61±00.00	06.47±00.15	04.90±01.29	V (mag)
	Speed ('/s)	40.07±15.74	13.41±02.08	11.81±00.12	11.94±00.00	13.90±01.52	36.25±18.14	Speed ('/s)
E	Crossing expectance	0000.01	0000.00		0000.00	0000.01	0000.01	Crossing expectance
	Expected path (')	0000.05	0000.02		0000.00	0000.04	0000.08	Expected path (')
	V (mag)	05.25±01.12	06.13±00.06		06.97±00.00	06.50±00.80	06.52±01.15	V (mag)
	Speed ('/s)	22.88±12.24	14.14±00.90	00.00±00.00	13.92±00.00	20.36±07.51	25.56±14.07	Speed ('/s)
Z	Crossing expectance	0000.01	0000.01			0000.00	0000.01	Crossing expectance
	Expected path (')	0000.05	0000.05			0000.02	0000.09	Expected path (')
	V (mag)	04.06±01.49	05.59±00.18			05.67±00.17	03.94±01.28	V (mag)
	Speed ('/s)	55.80±28.66	20.79±01.58	00.00±00.00	00.00±00.00	20.14±01.43	57.13±26.51	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= +029 °</i>		<i>FOV= 0010 '</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	0000.00	0000.00			0000.00	0000.01	Crossing expectance
	Expected path (')	0000.04	0000.02			0000.03	0000.06	Expected path (')
	V (mag)	05.71±01.28	06.36±00.00			06.45±00.16	04.44±00.89	V (mag)
	Speed ('/s)	25.34±15.66	14.47±00.01	00.00±00.00	00.00±00.00	13.63±01.46	44.50±12.60	Speed ('/s)
W	Crossing expectance	0000.02	0000.00	0000.00		0000.00	0000.01	Crossing expectance
	Expected path (')	0000.15	0000.04	0000.04		0000.01	0000.09	Expected path (')
	V (mag)	05.32±00.92	06.06±00.80	06.75±00.16		06.16±00.00	05.06±01.31	V (mag)
	Speed ('/s)	39.64±12.19	24.26±08.23	15.16±00.95	00.00±00.00	13.90±00.00	26.79±15.75	Speed ('/s)
N	Crossing expectance	0000.01	0000.00			0000.00	0000.02	Crossing expectance
	Expected path (')	0000.07	0000.02			0000.04	0000.12	Expected path (')
	V (mag)	04.86±01.08	06.23±00.21			06.31±00.19	04.87±01.30	V (mag)
	Speed ('/s)	30.59±14.91	13.83±01.81	00.00±00.00	00.00±00.00	13.03±01.68	32.86±17.95	Speed ('/s)
E	Crossing expectance	0000.01	0000.00		0000.01	0000.01	0000.01	Crossing expectance
	Expected path (')	0000.08	0000.01		0000.05	0000.07	0000.09	Expected path (')
	V (mag)	04.51±01.20	06.09±00.00		06.82±00.18	06.65±00.74	06.19±01.30	V (mag)
	Speed ('/s)	32.44±14.98	14.54±00.00	00.00±00.00	14.85±01.03	18.85±07.15	29.70±16.17	Speed ('/s)
Z	Crossing expectance	0000.01	0000.00			0000.00	0000.01	Crossing expectance
	Expected path (')	0000.08	0000.01			0000.01	0000.06	Expected path (')
	V (mag)	04.83±01.02	05.47±00.00			05.81±00.06	04.38±01.35	V (mag)
	Speed ('/s)	36.39±18.41	21.79±00.00	00.00±00.00	00.00±00.00	18.80±00.72	47.53±26.87	Speed ('/s)
Pointing directions:					S, W, N, E, at +45° elevation			Z: zenith

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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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<i>Sun elevation →</i>		-12°	-25°	-37°	-37°	-25°	-12°	<i>← Sun elevation</i>
S	Crossing expectance	0000.01	0000.00			0000.00	0000.01	Crossing expectance
	Expected path (')	0000.05	0000.03			0000.03	0000.07	Expected path (')
	V (mag)	04.28±01.23	06.01±00.18			05.96±00.16	04.93±01.23	V (mag)
	Speed ('/s)	38.49±17.17	13.39±01.47	00.00±00.00	00.00±00.00	13.90±01.27	28.89±16.42	Speed ('/s)
W	Crossing expectance	0000.01	0000.01			0000.00	0000.01	Crossing expectance
	Expected path (')	0000.07	0000.07			0000.01	0000.10	Expected path (')
	V (mag)	05.18±00.90	05.83±00.79			05.94±00.03	04.14±01.13	V (mag)
	Speed ('/s)	38.36±11.81	24.00±08.01	00.00±00.00	00.00±00.00	16.04±00.68	38.24±14.27	Speed ('/s)
N	Crossing expectance	0000.01	0000.00	0000.01	0000.00	0000.01	0000.01	Crossing expectance
	Expected path (')	0000.12	0000.02	0000.06	0000.03	0000.08	0000.07	Expected path (')
	V (mag)	04.97±01.11	06.85±00.21	06.81±00.18	06.67±00.02	06.57±00.49	05.26±01.17	V (mag)
	Speed ('/s)	40.57±15.75	13.83±01.82	13.37±01.54	14.43±00.79	16.51±04.90	36.06±16.82	Speed ('/s)
E	Crossing expectance	0000.01	0000.00			0000.01	0000.01	Crossing expectance
	Expected path (')	0000.06	0000.03			0000.05	0000.08	Expected path (')
	V (mag)	04.37±01.29	06.11±00.20			06.26±00.84	06.16±01.25	V (mag)
	Speed ('/s)	34.53±16.09	14.63±01.18	00.00±00.00	00.00±00.00	19.98±07.78	27.10±15.51	Speed ('/s)
Z	Crossing expectance	0000.00	0000.00			0000.00	0000.01	Crossing expectance
	Expected path (')	0000.03	0000.03			0000.01	0000.06	Expected path (')
	V (mag)	03.81±01.12	05.55±00.15			05.47±00.00	04.17±01.23	V (mag)
	Speed ('/s)	58.31±23.96	21.17±01.24	00.00±00.00	00.00±00.00	21.79±00.00	50.69±24.58	Speed ('/s)
Pointing directions:					S, W, N, E, at +45° elevation			Z: zenith

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