

TAB #1: VIDEO DATA												
Comment	Min	Sec	1/100	Frame #	Track length	Track thickness	X (pixels)	Y (pixels)	X source offset (mm)	Y source offset (mm)	R/b	
CALIBRATION												
Pinpoint (source)	3	28	3	6242	N/A	N/A	703	345				
Boundary below point	3	28	3	6242	N/A	N/A	705	631				
Boundary above point	3	28	3	6242	N/A	N/A	699	6			Diameter =	625 pixels
Boundary left of point	3	28	3	6242	N/A	N/A	405	340			Pixel =	0.16 mm
Boundary right of point	3	28	3	6242	N/A	N/A	1049	342			Height (b) =	15 mm
Last data frame	4	45	46	8565	N/A	N/A	N/A	N/A				
First data frame	3	15	3	5852	N/A	N/A	N/A	N/A				
TRACK STARTS												
	3	15	20	5857	Long	Sharp	731	393	4.48	-7.68	0.59	
	3	15	20	5857	Short	Diffuse	735	424	5.12	-12.64	0.91	
	3	15	56	5868	Short	Diffuse	757	285	8.64	9.6	0.86	
	3	15	70	5872	Short	Diffuse	762	286	9.44	9.44	0.89	
	3	15	93	5879	Long	Diffuse	827	380	19.84	-5.6	1.37	
	3	16	23	5888	Short	Sharp	619	404	-13.44	-9.44	1.09	
	3	16	30	5890	Long	Sharp	712	382	1.44	-5.92	0.41	
	3	16	33	5891	Short	Diffuse	729	370	4.16	-4	0.38	
	3	16	43	5894	Long	Diffuse	788	334	13.6	1.76	0.91	
	3	16	53	5897	Short	Diffuse	608	304	-15.2	6.56	1.10	
	3	17	20	5917	Long	Diffuse	758	285	8.8	9.6	0.87	
	3	17	26	5919	Short	Diffuse	653	276	-8	11.04	0.91	
	3	17	46	5925	Short	Diffuse	735	390	5.12	-7.2	0.59	
	3	17	56	5928	Short	Diffuse	726	371	3.68	-4.16	0.37	
	3	17	56	5928	Short	Sharp	727	376	3.84	-4.96	0.42	
	3	17	86	5937	Short	Sharp	789	376	13.76	-4.96	0.98	
	3	17	90	5938	Long	Sharp	700	278	-0.48	10.72	0.72	
	3	18	26	5949	Long	Sharp	769	292	10.56	8.48	0.90	
	3	18	43	5954	Long	Sharp	759	352	8.96	-1.12	0.60	
	3	18	66	5961	Long	Sharp	818	312	18.4	5.28	1.28	
	3	18	93	5969	Short	Sharp	729	295	4.16	8	0.60	

	3	19	26	5979	Short	Diffuse	674	384	-4.64	-6.24	0.52		
	3	19	60	5989	Short	Diffuse	769	397	10.56	-8.32	0.90		
	3	19	93	5999	Long	Sharp	720	289	2.72	8.96	0.62		
	3	20	43	6014	Long	Sharp	686	287	-2.72	9.28	0.64		
	3	21	3	6032	Short	Diffuse	717	381	2.24	-5.76	0.41		
	3	21	23	6038	Long	Diffuse	800	294	15.52	8.16	1.17		
	3	21	96	6060	Short	Diffuse	720	282	2.72	10.08	0.70		
	3	22	53	6077	Short	Diffuse	735	356	5.12	-1.76	0.36		
	3	22	86	6087	Long	Sharp	715	280	1.92	10.4	0.71		
	3	23	23	6098	Long	Sharp	743	256	6.4	14.24	1.04		
	3	23	70	6112	Short	Diffuse	515	335	-30.08	1.6	2.01		
	3	23	70	6112	Long	Diffuse	625	291	-12.48	8.64	1.01		
	3	23	73	6113	Long	Sharp	653	375	-8	-4.8	0.62		
	3	24	43	6134	Long	Sharp	595	282	-17.28	10.08	1.33		
	3	24	86	6147	Long	Sharp	718	297	2.4	7.68	0.54		
	3	24	86	6147	Long	Sharp	715	338	1.92	1.12	0.15		
	3	25	30	6160	Short	Diffuse	742	257	6.24	14.08	1.03		
	3	25	53	6167	Long	Diffuse	699	384	-0.64	-6.24	0.42		
	3	26	26	6189	Long	Sharp	725	306	3.52	6.24	0.48		
	3	26	53	6197	Short	Diffuse	741	368	6.08	-3.68	0.47		
	3	27	23	6218	Long	Sharp	663	525	-6.4	-28.8	1.97		
	3	27	23	6218	Long	Sharp	687	418	-2.56	-11.68	0.80		
	3	27	53	6227	Short	Diffuse	673	384	-4.8	-6.24	0.52		
	3	27	53	6227	Long	Sharp	658	324	-7.2	3.36	0.53		
	3	27	66	6231	Long	Diffuse	739	389	5.76	-7.04	0.61		
	3	27	90	6238	Short	Sharp	758	322	8.8	3.68	0.64		
	3	28	0	6241	Long	Sharp	769	346	10.56	-0.16	0.70		
	3	28	16	6246	Long	Sharp	702	306	-0.16	6.24	0.42		
	3	28	63	6260	Long	Sharp	655	366	-7.68	-3.36	0.56		
	3	28	66	6261	Short	Sharp	734	320	4.96	4	0.42		
	3	29	6	6273	Long	Sharp	746	357	6.88	-1.92	0.48		
	3	29	6	6273	Long	Sharp	767	371	10.24	-4.16	0.74		
	3	29	23	6278	Short	Diffuse	656	317	-7.52	4.48	0.58		
	3	29	60	6289	Short	Diffuse	723	349	3.2	-0.64	0.22		
	3	30	23	6308	Short	Diffuse	703	310	0	5.6	0.37		

	3	30	23	6308	Long	Sharp	737	289	5.44	8.96	0.70		
	3	30	50	6316	Long	Sharp	748	367	7.2	-3.52	0.53		
	3	30	56	6318	Short	Diffuse	680	385	-3.68	-6.4	0.49		
	3	31	10	6334	Short	Diffuse	669	291	-5.44	8.64	0.68		
	3	31	10	6334	Short	Diffuse	655	314	-7.68	4.96	0.61		
	3	32	0	6361	Long	Sharp	731	340	4.48	0.8	0.30		
	3	32	20	6367	Short	Sharp	641	305	-9.92	6.4	0.79		
	3	32	83	6386	Short	Diffuse	686	303	-2.72	6.72	0.48		
	3	32	96	6390	Long	Sharp	736	281	5.28	10.24	0.77		
	3	33	96	6420	Long	Sharp	723	286	3.2	9.44	0.66		
	3	34	10	6424	Short	Sharp	728	322	4	3.68	0.36		
	3	34	23	6428	Short	Diffuse	685	377	-2.88	-5.12	0.39		
	3	34	30	6430	Long	Sharp	686	315	-2.72	4.8	0.37		
	3	34	33	6431	Short	Diffuse	705	310	0.32	5.6	0.37		
	3	34	63	6440	Short	Sharp	657	306	-7.36	6.24	0.64		
	3	34	73	6443	Long	Sharp	640	302	-10.08	6.88	0.81		
	3	35	20	6457	Long	Sharp	658	277	-7.2	10.88	0.87		
	3	35	20	6457	Long	Sharp	743	319	6.4	4.16	0.51		
	3	35	96	6480	Long	Sharp	655	372	-7.68	-4.32	0.59		
	3	36	0	6481	Short	Diffuse	680	355	-3.68	-1.6	0.27		
	3	36	23	6488	Long	Sharp	739	266	5.76	12.64	0.93		
	3	36	36	6492	Short	Diffuse	698	410	-0.8	-10.4	0.70		
	3	36	43	6494	Short	Diffuse	748	368	7.2	-3.68	0.54		
	3	36	56	6498	Short	Diffuse	762	368	9.44	-3.68	0.68		
	3	36	90	6508	Long	Sharp	657	364	-7.36	-3.04	0.53		
	3	37	30	6520	Long	Sharp	732	357	4.64	-1.92	0.33		
	3	37	60	6529	Long	Sharp	688	318	-2.4	4.32	0.33		
	3	37	73	6533	Long	Sharp	661	374	-6.72	-4.64	0.54		
	3	37	80	6535	Short	Sharp	706	323	0.48	3.52	0.24		
	3	38	26	6549	Long	Sharp	723	332	3.2	2.08	0.25		
	3	38	30	6550	Long	Sharp	746	304	6.88	6.56	0.63		
	3	39	23	6578	Long	Sharp	738	351	5.6	-0.96	0.38		
	3	39	30	6580	Long	Sharp	735	357	5.12	-1.92	0.36		
	3	39	30	6580	Short	Diffuse	700	348	-0.48	-0.48	0.05		
	3	39	70	6592	Long	Sharp	726	318	3.68	4.32	0.38		

	3	40	23	6608	Long	Sharp	734	356	4.96	-1.76	0.35		
	3	40	23	6608	Short	Diffuse	680	352	-3.68	-1.12	0.26		
	3	40	53	6617	Long	Sharp	676	325	-4.32	3.2	0.36		
	3	40	93	6629	Long	Diffuse	746	318	6.88	4.32	0.54		
	3	41	46	6645	Long	Sharp	715	331	1.92	2.24	0.20		
	3	41	70	6652	Long	Sharp	671	361	-5.12	-2.56	0.38		
	3	42	36	6672	Short	Diffuse	745	365	6.72	-3.2	0.50		
	3	43	23	6698	Short	Sharp	710	349	1.12	-0.64	0.09		
	3	43	73	6713	Long	Sharp	754	281	8.16	10.24	0.87		
	3	43	93	6719	Short	Diffuse	715	336	1.92	1.44	0.16		
	3	43	96	6720	Short	Sharp	704	338	0.16	1.12	0.08		
	3	44	13	6725	Long	Sharp	663	348	-6.4	-0.48	0.43		
	3	44	16	6726	Long	Sharp	662	345	-6.56	0	0.44		
	3	44	33	6731	Short	Sharp	688	331	-2.4	2.24	0.22		
	3	44	46	6735	Long	Sharp	694	297	-1.44	7.68	0.52		
	3	44	90	6748	Long	Sharp	663	324	-6.4	3.36	0.48		
	3	45	23	6758	Short	Sharp	711	354	1.28	-1.44	0.13		
	3	45	46	6765	Long	Sharp	694	337	-1.44	1.28	0.13		
	3	46	36	6792	Long	Sharp	748	337	7.2	1.28	0.49		
	3	47	23	6818	Short	Diffuse	781	367	12.48	-3.52	0.86		
	3	47	46	6825	Long	Sharp	712	332	1.44	2.08	0.17		
	3	47	80	6835	Long	Sharp	746	346	6.88	-0.16	0.46		
	3	47	86	6837	Long	Sharp	662	309	-6.56	5.76	0.58		
	3	47	96	6840	Long	Sharp	704	315	0.16	4.8	0.32		
	3	48	3	6842	Short	Sharp	757	342	8.64	0.48	0.58		
	3	48	40	6853	Short	Diffuse	748	296	7.2	7.84	0.71		
	3	48	76	6864	Short	Sharp	699	342	-0.64	0.48	0.05		
	2	49	3	5072	Long	Sharp	682	326	-3.36	3.04	0.30		
	3	49	23	6878	Short	Diffuse	730	351	4.32	-0.96	0.30		
	3	50	3	6902	Long	Sharp	742	341	6.24	0.64	0.42		
	3	50	16	6906	Short	Diffuse	605	329	-15.68	2.56	1.06		
	3	50	20	6907	Short	Diffuse	569	315	-21.44	4.8	1.46		
	3	50	30	6910	Short	Diffuse	610	331	-14.88	2.24	1.00		
	3	50	46	6915	Short	Sharp	682	332	-3.36	2.08	0.26		
	3	50	80	6925	Long	Sharp	704	319	0.16	4.16	0.28		

	3	51	20	6937	Long	Diffuse	713	345	1.6	0	0.11		
	3	51	66	6951	Short	Sharp	713	345	1.6	0	0.11		
	3	52	36	6972	Short	Sharp	721	335	2.88	1.6	0.22		
	3	52	70	6982	Short	Diffuse	694	369	-1.44	-3.84	0.27		
	3	53	6	6993	Short	Diffuse	752	344	7.84	0.16	0.52		
	3	53	26	6999	Short	Sharp	685	325	-2.88	3.2	0.29		
	3	53	43	7004	Short	Diffuse	712	336	1.44	1.44	0.14		
	3	55	3	7052	Long	Sharp	675	361	-4.48	-2.56	0.34		
	3	55	56	7068	Short	Diffuse	726	346	3.68	-0.16	0.25		
	3	57	16	7116	Short	Diffuse	728	358	4	-2.08	0.30		
	3	57	43	7124	Short	Diffuse	729	362	4.16	-2.72	0.33		
	3	57	50	7126	Short	Sharp	721	354	2.88	-1.44	0.21		
	3	57	86	7137	Long	Sharp	688	358	-2.4	-2.08	0.21		
	3	58	63	7160	Long	Diffuse	749	328	7.36	2.72	0.52		
	3	59	60	7189	Long	Sharp	703	326	0	3.04	0.20		
	3	59	90	7198	Short	Diffuse	717	337	2.24	1.28	0.17		
	4	0	56	7218	Short	Diffuse	701	359	-0.32	-2.24	0.15		
	4	1	40	7243	Long	Sharp	666	310	-5.92	5.6	0.54		
	4	2	0	7261	Long	Sharp	675	370	-4.48	-4	0.40		
	4	2	56	7278	Long	Sharp	661	356	-6.72	-1.76	0.46		
	4	2	86	7287	Short	Diffuse	746	363	6.88	-2.88	0.50		
	4	3	10	7294	Short	Sharp	723	339	3.2	0.96	0.22		
	4	3	53	7307	Short	Diffuse	726	350	3.68	-0.8	0.25		
	4	3	73	7313	Short	Sharp	725	346	3.52	-0.16	0.23		
	4	4	33	7331	Short	Diffuse	705	336	0.32	1.44	0.10		
	4	5	70	7372	Short	Sharp	705	336	0.32	1.44	0.10		
	4	6	26	7389	Long	Sharp	755	336	8.32	1.44	0.56		
	4	6	30	7390	Long	Sharp	753	337	8	1.28	0.54		
	4	6	46	7395	Short	Diffuse	705	352	0.32	-1.12	0.08		
	4	6	56	7398	Short	Diffuse	741	355	6.08	-1.6	0.42		
	4	7	6	7413	Long	Sharp	687	322	-2.56	3.68	0.30		
	4	7	13	7415	Long	Diffuse	749	338	7.36	1.12	0.50		
	4	8	0	7441	Long	Sharp	714	296	1.76	7.84	0.54		
	4	8	66	7461	Short	Sharp	701	349	-0.32	-0.64	0.05		
	4	9	0	7471	Long	Sharp	732	360	4.64	-2.4	0.35		

	4	9	33	7481	Long	Sharp	676	364	-4.32	-3.04	0.35		
	4	9	83	7496	Short	Diffuse	700	351	-0.48	-0.96	0.07		
	4	10	3	7502	Long	Sharp	658	317	-7.2	4.48	0.57		
	4	10	26	7509	Long	Sharp	714	340	1.76	0.8	0.13		
	4	11	0	7531	Short	Diffuse	738	356	5.6	-1.76	0.39		
	4	11	6	7533	Long	Sharp	662	350	-6.56	-0.8	0.44		
	4	11	76	7554	Long	Sharp	704	345	0.16	0	0.01		
	4	11	96	7560	Long	Sharp	638	306	-10.4	6.24	0.81		
	4	12	6	7563	Long	Sharp	742	382	6.24	-5.92	0.57		
	4	12	60	7579	Long	Sharp	692	317	-1.76	4.48	0.32		
	4	13	23	7598	Short	Diffuse	704	338	0.16	1.12	0.08		
	4	13	93	7619	Long	Sharp	709	329	0.96	2.56	0.18		
	4	14	23	7628	Long	Sharp	675	334	-4.48	1.76	0.32		
	4	14	26	7629	Long	Sharp	699	338	-0.64	1.12	0.09		
	4	14	50	7636	Long	Sharp	661	325	-6.72	3.2	0.50		
	4	14	63	7640	Short	Sharp	644	272	-9.44	11.68	1.00		
	4	15	26	7668	Long	Diffuse	693	344	-1.6	0.16	0.11		
	4	15	26	7673	Long	Sharp	710	330	1.12	2.4	0.18		
	4	15	56	7673	Long	Diffuse	722	347	3.04	-0.32	0.20		
	4	15	73	7674	Long	Sharp	686	366	-2.72	-3.36	0.29		
	4	15	76	7679	Short	Diffuse	791	310	14.08	5.6	1.01		
	4	15	93	7679	Long	Diffuse	665	351	-6.08	-0.96	0.41		
	4	16	30	7690	Long	Sharp	708	331	0.8	2.24	0.16		
	4	17	23	7718	Long	Sharp	714	337	1.76	1.28	0.15		
	4	17	50	7726	Short	Diffuse	706	303	0.48	6.72	0.45		
	4	17	50	7726	Short	Diffuse	682	311	-3.36	5.44	0.43		
	4	17	93	7739	Long	Sharp	654	316	-7.84	4.64	0.61		
	4	18	53	7757	Short	Diffuse	626	236	-12.32	17.44	1.42		
	4	19	36	7782	Short	Diffuse	710	337	1.12	1.28	0.11		
	4	19	46	7785	Short	Diffuse	713	337	1.6	1.28	0.14		
	4	20	20	7807	Long	Sharp	750	267	7.52	12.48	0.97		
	4	20	30	7810	Long	Sharp	733	278	4.8	10.72	0.78		
	4	21	86	7857	Long	Sharp	716	336	2.08	1.44	0.17		
	4	22	33	7871	Short	Diffuse	694	353	-1.44	-1.28	0.13		
	4	22	60	7879	Short	Diffuse	678	349	-4	-0.64	0.27		

	4	22	60	7879	Short	Diffuse	681	393	-3.52	-7.68	0.56		
	4	22	80	7885	Short	Diffuse	658	320	-7.2	4	0.55		
	4	23	26	7899	Short	Diffuse	666	384	-5.92	-6.24	0.57		
	4	23	26	7899	Long	Diffuse	734	306	4.96	6.24	0.53		
	4	23	73	7913	Long	Diffuse	653	315	-8	4.8	0.62		
	4	24	30	7930	Short	Sharp	698	330	-0.8	2.4	0.17		
	4	24	43	7934	Short	Diffuse	702	327	-0.16	2.88	0.19		
	4	25	43	7964	Short	Diffuse	720	340	2.72	0.8	0.19		
	4	25	73	7973	Short	Sharp	706	329	0.48	2.56	0.17		
	4	26	40	7993	Long	Diffuse	567	372	-21.76	-4.32	1.48		
	4	27	53	8027	Long	Diffuse	626	285	-12.32	9.6	1.04		
	4	27	76	8034	Short	Sharp	685	289	-2.88	8.96	0.63		
	4	28	43	8054	Short	Sharp	681	358	-3.52	-2.08	0.27		
	4	28	50	8056	Short	Sharp	716	357	2.08	-1.92	0.19		
	4	29	10	8074	Short	Diffuse	710	338	1.12	1.12	0.11		
	4	29	10	8074	Long	Sharp	716	345	2.08	0	0.14		
	4	29	56	8088	Short	Diffuse	707	333	0.64	1.92	0.13		
	4	31	66	8151	Short	Sharp	662	367	-6.56	-3.52	0.50		
	4	32	50	8176	Long	Sharp	717	343	2.24	0.32	0.15		
	4	33	6	8193	Short	Diffuse	606	305	-15.52	6.4	1.12		
	4	33	6	8193	Long	Sharp	661	320	-6.72	4	0.52		
	4	34	33	8231	Long	Diffuse	656	335	-7.52	1.6	0.51		
	4	35	0	8251	Short	Sharp	710	342	1.12	0.48	0.08		
	4	35	23	8258	Short	Diffuse	644	359	-9.44	-2.24	0.65		
	4	36	26	8289	Short	Diffuse	658	306	-7.2	6.24	0.64		
	4	36	30	8290	Short	Sharp	716	358	2.08	-2.08	0.20		
	4	41	16	8436	Short	Diffuse	712	351	1.44	-0.96	0.12		
	4	41	36	8442	Short	Diffuse	699	351	-0.64	-0.96	0.08		
	4	41	73	8453	Short	Diffuse	627	361	-12.16	-2.56	0.83		
	4	42	53	8477	Long	Sharp	724	341	3.36	0.64	0.23		
	4	42	66	8481	Short	Diffuse	684	323	-3.04	3.52	0.31		
	4	44	36	8532	Short	Sharp	704	340	0.16	0.8	0.05		