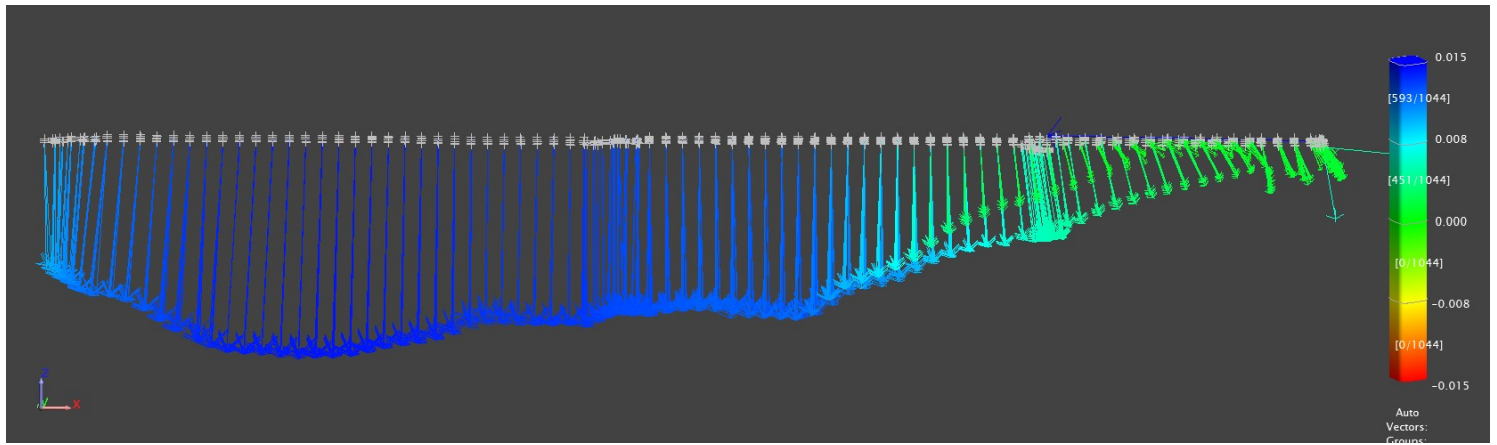




All Vectors Summary: Vector Group				
PANDA_PR_Komplett::Auto Vectors: Groups: LA_XFEL_Gesamt				
Statistic	dX (m)	dY (m)	dZ (m)	Mag (m)
Min	-0.015	-0.006	-0.012	0.001
Max	0.006	0.007	0.000	0.015
Average	0.000	0.004	-0.007	0.008
StdDev from Avg	0.001	0.002	0.004	0.004
StdDev from Zero	0.001	0.005	0.008	0.009
RMS	0.001	0.005	0.008	0.009
Tol Range				-0.001
				0.001
In Tol				0 (0.0%)
Out Tol				1044 (100.0%)
Count	1044			

Vector Group											
PANDA_PR_Komplett::Auto Vectors: Groups: LA_XFEL_Gesamt											
Name	Begin			End			Delta			Mag	
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	(m)	
D3-2656.3	-147.269	29.265	-1.379	-147.270	29.271	-1.387	-0.000	0.005	-0.008	0.010	+
D3-2656.4	-147.280	29.265	-0.441	-147.280	29.270	-0.449	-0.000	0.005	-0.008	0.010	+
D3-2656.5	-147.283	29.265	0.769	-147.283	29.270	0.761	-0.000	0.005	-0.008	0.010	+
D3-2660.3	-142.831	24.845	-1.157	-142.832	24.850	-1.165	-0.000	0.005	-0.008	0.010	+
D3-2660.4	-142.829	24.844	-0.222	-142.830	24.849	-0.230	-0.000	0.005	-0.008	0.010	+
D3-2660.5	-142.796	24.839	0.996	-142.796	24.845	0.988	-0.000	0.005	-0.008	0.010	+
D3-2662.1	-140.270	27.772	-1.421	-140.271	27.777	-1.429	-0.000	0.005	-0.008	0.010	+
D3-2662.2	-140.468	25.203	-1.421	-140.469	25.208	-1.429	-0.000	0.006	-0.008	0.010	+
D3-2662.3	-141.081	21.206	-1.115	-141.082	21.211	-1.123	-0.000	0.006	-0.008	0.010	+
D3-2662.4	-141.098	21.206	-0.275	-141.099	21.211	-0.283	-0.000	0.006	-0.008	0.010	+
D3-2662.5	-141.046	21.204	0.985	-141.046	21.210	0.977	-0.000	0.006	-0.008	0.010	+
D3-2662.6	-140.144	29.092	0.986	-140.144	29.097	0.978	-0.000	0.005	-0.008	0.010	+
D3-2662.7	-140.148	29.091	-0.218	-140.148	29.097	-0.226	-0.001	0.005	-0.008	0.010	+
D3-2662.8	-140.142	29.093	-1.173	-140.143	29.098	-1.182	-0.001	0.005	-0.008	0.010	+
D3-2669.1	-134.043	27.327	-1.419	-134.043	27.332	-1.428	-0.001	0.005	-0.009	0.010	+
D3-2669.2	-134.130	24.641	-1.421	-134.131	24.646	-1.429	-0.001	0.006	-0.009	0.010	+
D3-2669.3	-134.972	21.055	-1.165	-134.973	21.061	-1.174	-0.001	0.006	-0.008	0.010	+
D3-2669.4	-134.967	21.057	-0.224	-134.967	21.062	-0.233	-0.001	0.006	-0.009	0.010	+
D3-2669.5	-134.986	21.060	1.001	-134.986	21.065	0.993	-0.001	0.006	-0.009	0.010	+
D3-2669.6	-133.943	28.950	0.976	-133.943	28.955	0.967	-0.001	0.005	-0.009	0.010	+
D3-2669.7	-133.981	28.955	-0.081	-133.981	28.960	-0.089	-0.001	0.005	-0.009	0.010	+
D3-2669.8	-133.964	28.959	-1.144	-133.965	28.964	-1.153	-0.001	0.005	-0.009	0.010	+
D3-2675.3	-127.930	24.099	-1.202	-127.931	24.105	-1.211	-0.001	0.006	-0.009	0.010	+
D3-2675.4	-127.935	23.905	-0.711	-127.935	23.911	-0.720	-0.001	0.006	-0.009	0.011	+
D3-2675.5	-127.939	23.891	0.367	-127.940	23.896	0.358	-0.001	0.006	-0.009	0.011	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR Komplet::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta				
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	Mag (m)	
D3-2675.6	-127.929	24.443	1.396	-127.929	24.448	1.387	-0.000	0.006	-0.009	0.011	+
D3-2675.7	-127.881	26.348	2.099	-127.882	26.354	2.090	-0.001	0.006	-0.009	0.011	+
D3-2675.8	-127.831	27.973	1.104	-127.831	27.979	1.096	-0.001	0.006	-0.009	0.011	+
D3-2675.9	-127.820	28.328	0.161	-127.821	28.334	0.153	-0.001	0.006	-0.009	0.010	+
D3-2684.3	-118.937	23.873	-1.212	-118.937	23.879	-1.221	-0.001	0.006	-0.009	0.011	+
D3-2684.4	-118.943	23.662	-0.714	-118.943	23.667	-0.723	-0.001	0.006	-0.009	0.011	+
D3-2684.5	-118.945	23.618	0.350	-118.946	23.624	0.341	-0.001	0.006	-0.009	0.011	+
D3-2684.6	-118.931	24.146	1.401	-118.931	24.152	1.392	-0.000	0.006	-0.009	0.011	+
D3-2684.7	-118.878	26.103	2.138	-118.879	26.109	2.129	-0.001	0.006	-0.009	0.011	+
D3-2684.8	-118.826	27.751	1.097	-118.827	27.757	1.088	-0.001	0.006	-0.009	0.011	+
D3-2684.9	-118.816	28.081	0.149	-118.817	28.087	0.140	-0.001	0.006	-0.009	0.011	+
D3-2693.3	-109.933	23.660	-1.214	-109.933	23.666	-1.223	-0.001	0.006	-0.009	0.011	+
D3-2693.4	-109.938	23.444	-0.722	-109.938	23.450	-0.731	-0.001	0.006	-0.009	0.011	+
D3-2693.5	-109.938	23.390	0.350	-109.939	23.396	0.340	-0.001	0.006	-0.009	0.011	+
D3-2693.6	-109.927	23.914	1.409	-109.927	23.920	1.399	-0.000	0.006	-0.009	0.011	+
D3-2693.7	-109.885	25.860	2.162	-109.885	25.865	2.152	-0.000	0.006	-0.009	0.011	+
D3-2693.8	-109.837	27.536	1.100	-109.837	27.542	1.091	-0.001	0.006	-0.009	0.011	+
D3-2693.9	-109.831	27.859	0.148	-109.832	27.864	0.139	-0.001	0.006	-0.009	0.011	+
D3-2702.3	-100.945	23.401	-1.205	-100.945	23.407	-1.215	-0.001	0.006	-0.010	0.011	+
D3-2702.4	-100.943	23.196	-0.706	-100.944	23.202	-0.715	-0.000	0.006	-0.010	0.011	+
D3-2702.5	-100.940	23.171	0.372	-100.940	23.177	0.362	-0.000	0.006	-0.010	0.011	+
D3-2702.6	-100.919	23.689	1.382	-100.919	23.695	1.372	-0.000	0.006	-0.010	0.011	+
D3-2702.7	-100.865	25.664	2.122	-100.866	25.669	2.112	-0.000	0.006	-0.010	0.011	+
D3-2702.8	-100.829	27.270	1.111	-100.829	27.276	1.101	-0.000	0.006	-0.010	0.011	+
D3-2702.9	-100.827	27.615	0.171	-100.828	27.621	0.162	-0.001	0.006	-0.010	0.011	+
D3-2711.3	-91.944	23.131	-1.213	-91.944	23.137	-1.224	-0.001	0.006	-0.010	0.012	+
D3-2711.4	-91.952	22.926	-0.710	-91.953	22.932	-0.720	-0.001	0.006	-0.010	0.012	+
D3-2711.5	-91.961	22.903	0.362	-91.961	22.908	0.351	-0.000	0.006	-0.010	0.012	+
D3-2711.6	-91.954	23.413	1.360	-91.955	23.419	1.349	-0.000	0.006	-0.010	0.012	+
D3-2711.7	-91.898	25.406	2.114	-91.899	25.411	2.104	-0.000	0.006	-0.010	0.012	+
D3-2711.8	-91.837	27.006	1.107	-91.838	27.012	1.096	-0.000	0.006	-0.010	0.012	+
D3-2711.9	-91.822	27.357	0.106	-91.823	27.363	0.096	-0.001	0.006	-0.010	0.012	+
D3-2720.3	-82.952	22.904	-1.204	-82.953	22.910	-1.215	-0.001	0.006	-0.011	0.012	+
D3-2720.4	-82.955	22.691	-0.709	-82.955	22.697	-0.720	-0.001	0.006	-0.011	0.012	+
D3-2720.5	-82.954	22.647	0.366	-82.955	22.653	0.355	-0.000	0.006	-0.011	0.012	+
D3-2720.6	-82.939	23.148	1.383	-82.939	23.154	1.372	-0.000	0.006	-0.011	0.012	+
D3-2720.7	-82.879	25.161	2.154	-82.879	25.167	2.143	-0.000	0.006	-0.011	0.012	+
D3-2720.8	-82.833	26.785	1.106	-82.833	26.791	1.096	-0.001	0.006	-0.011	0.012	+
D3-2720.9	-82.827	27.115	0.115	-82.827	27.120	0.104	-0.001	0.006	-0.011	0.012	+
D3-2729.3	-73.962	22.642	-1.205	-73.962	22.648	-1.216	-0.000	0.006	-0.011	0.013	+
D3-2729.4	-73.967	22.435	-0.706	-73.967	22.441	-0.718	-0.000	0.006	-0.011	0.013	+
D3-2729.5	-73.966	22.404	0.361	-73.966	22.410	0.350	-0.000	0.006	-0.011	0.013	+
D3-2729.6	-73.949	22.929	1.386	-73.950	22.935	1.375	-0.000	0.006	-0.011	0.013	+
D3-2729.7	-73.880	24.904	2.128	-73.880	24.910	2.116	-0.000	0.006	-0.012	0.013	+
D3-2729.8	-73.824	26.517	1.105	-73.824	26.522	1.094	-0.000	0.006	-0.011	0.013	+
D3-2729.9	-73.816	26.863	0.091	-73.816	26.869	0.079	-0.000	0.006	-0.011	0.013	+
D3-2738.3	-64.934	22.425	-1.200	-64.935	22.431	-1.211	-0.001	0.006	-0.012	0.013	+
D3-2738.4	-64.938	22.221	-0.713	-64.939	22.227	-0.725	-0.000	0.006	-0.012	0.013	+
D3-2738.5	-64.944	22.185	0.372	-64.945	22.191	0.360	-0.000	0.006	-0.012	0.013	+
D3-2738.6	-64.934	22.754	1.446	-64.935	22.760	1.434	-0.000	0.006	-0.012	0.013	+
D3-2738.7	-64.902	24.673	2.136	-64.902	24.679	2.124	-0.000	0.006	-0.012	0.013	+
D3-2738.8	-64.860	26.302	1.106	-64.861	26.308	1.094	-0.000	0.006	-0.012	0.013	+
D3-2738.9	-64.850	26.635	0.172	-64.851	26.641	0.160	-0.000	0.006	-0.012	0.013	+
D3-2747.3	-55.946	22.176	-1.205	-55.947	22.182	-1.217	-0.000	0.006	-0.012	0.013	+
D3-2747.4	-55.950	21.967	-0.712	-55.951	21.972	-0.724	-0.000	0.006	-0.012	0.013	+
D3-2747.5	-55.955	21.926	0.367	-55.955	21.932	0.355	-0.000	0.006	-0.012	0.013	+
D3-2747.6	-55.946	22.474	1.427	-55.946	22.480	1.415	-0.000	0.006	-0.012	0.013	+
D3-2747.7	-55.899	24.420	2.149	-55.899	24.426	2.137	-0.000	0.006	-0.012	0.014	+
D3-2747.8	-55.854	26.050	1.117	-55.854	26.056	1.105	-0.000	0.006	-0.012	0.013	+
D3-2747.9	-55.845	26.391	0.117	-55.845	26.397	0.105	-0.000	0.006	-0.012	0.013	+
D3-2756.3	-46.965	21.952	-1.189	-46.965	21.958	-1.201	-0.000	0.006	-0.012	0.013	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR Komplet::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta				
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	Mag (m)	
D3-2756.4	-46.968	21.745	-0.694	-46.969	21.751	-0.706	-0.000	0.006	-0.012	0.013	+
D3-2756.5	-46.968	21.711	0.384	-46.968	21.717	0.372	-0.000	0.006	-0.012	0.013	+
D3-2756.6	-46.949	22.270	1.448	-46.949	22.276	1.436	-0.000	0.006	-0.012	0.014	+
D3-2756.7	-46.890	24.185	2.155	-46.891	24.191	2.143	-0.000	0.006	-0.012	0.014	+
D3-2756.8	-46.839	25.844	1.098	-46.839	25.851	1.085	-0.000	0.006	-0.012	0.014	+
D3-2756.9	-46.830	26.166	0.151	-46.831	26.172	0.139	-0.000	0.006	-0.012	0.014	+
D3-2765.3	-37.954	21.681	-1.198	-37.954	21.687	-1.210	-0.000	0.006	-0.012	0.013	+
D3-2765.4	-37.958	21.478	-0.711	-37.958	21.484	-0.723	-0.000	0.006	-0.012	0.013	+
D3-2765.5	-37.962	21.442	0.361	-37.962	21.448	0.349	-0.000	0.006	-0.012	0.013	+
D3-2765.6	-37.947	22.004	1.436	-37.947	22.011	1.424	-0.000	0.006	-0.012	0.014	+
D3-2765.7	-37.903	23.942	2.133	-37.903	23.948	2.121	-0.000	0.006	-0.012	0.014	+
D3-2765.8	-37.857	25.566	1.101	-37.857	25.572	1.089	-0.000	0.006	-0.012	0.014	+
D3-2765.9	-37.852	25.901	0.161	-37.852	25.908	0.149	-0.000	0.006	-0.012	0.014	+
D3-2774.3	-28.970	21.482	-1.213	-28.970	21.488	-1.225	-0.000	0.006	-0.012	0.014	+
D3-2774.4	-28.974	21.266	-0.729	-28.974	21.272	-0.741	-0.000	0.006	-0.012	0.014	+
D3-2774.5	-28.978	21.207	0.353	-28.978	21.213	0.341	-0.000	0.006	-0.012	0.014	+
D3-2774.6	-28.957	21.741	1.428	-28.957	21.747	1.416	-0.000	0.006	-0.012	0.014	+
D3-2774.7	-28.894	23.723	2.165	-28.894	23.729	2.153	-0.000	0.006	-0.012	0.014	+
D3-2774.8	-28.846	25.368	1.089	-28.846	25.375	1.076	-0.000	0.006	-0.012	0.014	+
D3-2774.9	-28.838	25.681	0.145	-28.839	25.687	0.133	-0.000	0.006	-0.012	0.014	+
D3-2783.3	-19.971	21.211	-1.211	-19.972	21.217	-1.224	-0.000	0.006	-0.012	0.014	+
D3-2783.4	-19.979	21.002	-0.713	-19.979	21.008	-0.725	-0.000	0.006	-0.012	0.014	+
D3-2783.5	-19.982	20.967	0.364	-19.982	20.974	0.351	-0.000	0.006	-0.012	0.014	+
D3-2783.6	-19.967	21.531	1.437	-19.967	21.537	1.425	-0.000	0.006	-0.012	0.014	+
D3-2783.7	-19.907	23.455	2.135	-19.907	23.461	2.123	-0.000	0.006	-0.012	0.014	+
D3-2783.8	-19.849	25.094	1.092	-19.849	25.101	1.080	-0.000	0.006	-0.012	0.014	+
D3-2783.9	-19.837	25.420	0.156	-19.837	25.427	0.143	-0.000	0.006	-0.012	0.014	+
D3-2792.3	-10.947	20.961	-1.200	-10.947	20.967	-1.212	-0.000	0.006	-0.012	0.014	+
D3-2792.4	-10.957	20.749	-0.708	-10.957	20.755	-0.720	-0.000	0.006	-0.012	0.014	+
D3-2792.5	-10.967	20.703	0.371	-10.967	20.709	0.359	-0.000	0.006	-0.012	0.014	+
D3-2792.6	-10.963	21.256	1.449	-10.963	21.262	1.436	-0.000	0.006	-0.012	0.014	+
D3-2792.7	-10.934	23.210	2.161	-10.934	23.216	2.149	-0.000	0.006	-0.012	0.014	+
D3-2792.8	-10.878	24.856	1.089	-10.878	24.862	1.076	-0.000	0.006	-0.012	0.014	+
D3-2792.9	-10.864	25.167	0.146	-10.864	25.173	0.134	-0.000	0.006	-0.012	0.014	+
D3-2801.3	-1.977	20.745	-1.208	-1.977	20.752	-1.220	-0.000	0.006	-0.012	0.014	+
D3-2801.4	-1.978	20.529	-0.722	-1.978	20.535	-0.734	-0.000	0.006	-0.012	0.014	+
D3-2801.5	-1.973	20.468	0.352	-1.973	20.474	0.340	-0.000	0.006	-0.012	0.014	+
D3-2801.6	-1.954	21.008	1.443	-1.954	21.015	1.431	-0.000	0.006	-0.012	0.014	+
D3-2801.7	-1.890	22.992	2.178	-1.890	22.999	2.165	-0.000	0.006	-0.012	0.014	+
D3-2801.8	-1.845	24.635	1.092	-1.845	24.641	1.079	-0.000	0.006	-0.012	0.014	+
D3-2801.9	-1.843	24.938	0.150	-1.843	24.945	0.138	-0.000	0.006	-0.012	0.014	+
D3-2810.3	7.019	20.483	-1.199	7.019	20.490	-1.211	0.000	0.007	-0.012	0.014	+
D3-2810.4	7.014	20.277	-0.709	7.014	20.283	-0.721	0.000	0.006	-0.012	0.014	+
D3-2810.5	7.014	20.236	0.362	7.014	20.243	0.350	-0.000	0.007	-0.012	0.014	+
D3-2810.6	7.033	20.807	1.446	7.033	20.814	1.434	-0.000	0.007	-0.012	0.014	+
D3-2810.7	7.094	22.738	2.142	7.094	22.745	2.129	-0.000	0.007	-0.012	0.014	+
D3-2810.8	7.150	24.366	1.097	7.150	24.372	1.085	-0.000	0.007	-0.012	0.014	+
D3-2810.9	7.157	24.691	0.158	7.157	24.698	0.146	-0.000	0.007	-0.012	0.014	+
D3-2819.3	16.036	20.253	-1.195	16.036	20.260	-1.207	0.000	0.007	-0.012	0.014	+
D3-2819.4	16.028	20.044	-0.708	16.028	20.050	-0.720	0.000	0.007	-0.012	0.014	+
D3-2819.5	16.025	19.996	0.371	16.025	20.003	0.359	0.000	0.007	-0.012	0.014	+
D3-2819.6	16.036	20.540	1.448	16.036	20.546	1.436	-0.000	0.007	-0.012	0.014	+
D3-2819.7	16.077	22.510	2.160	16.077	22.516	2.148	-0.000	0.007	-0.012	0.014	+
D3-2819.8	16.125	24.144	1.101	16.125	24.151	1.089	-0.000	0.007	-0.012	0.014	+
D3-2819.9	16.135	24.463	0.160	16.135	24.470	0.148	-0.000	0.007	-0.012	0.014	+
D3-2828.3	25.028	20.020	-1.200	25.028	20.027	-1.212	0.000	0.007	-0.012	0.014	+
D3-2828.4	25.026	19.817	-0.713	25.026	19.823	-0.725	0.000	0.007	-0.012	0.014	+
D3-2828.5	25.028	19.782	0.361	25.028	19.788	0.349	-0.000	0.007	-0.012	0.014	+
D3-2828.6	25.052	20.322	1.412	25.052	20.329	1.401	0.000	0.007	-0.012	0.014	+
D3-2828.7	25.099	22.292	2.139	25.099	22.299	2.127	-0.000	0.007	-0.012	0.014	+
D3-2828.8	25.132	23.904	1.104	25.132	23.910	1.092	-0.000	0.007	-0.012	0.014	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR_Komplett::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta			Mag	
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	(m)	
D3-2828.9	25.137	24.237	0.153	25.137	24.244	0.142	-0.000	0.007	-0.012	0.014	+
D3-2837.3	34.063	19.956	-1.344	34.063	19.963	-1.355	0.000	0.007	-0.012	0.013	+
D3-2837.4	34.066	19.738	-0.914	34.066	19.745	-0.925	0.000	0.007	-0.012	0.013	+
D3-2837.5	34.067	19.613	0.160	34.067	19.620	0.149	0.000	0.007	-0.012	0.013	+
D3-2837.6	34.069	20.111	1.304	34.070	20.118	1.293	0.000	0.007	-0.012	0.013	+
D3-2837.7	34.092	22.140	2.115	34.092	22.147	2.104	0.000	0.007	-0.012	0.014	+
D3-2837.8	34.104	23.855	0.928	34.104	23.861	0.917	0.000	0.007	-0.012	0.013	+
D3-2837.9	34.105	24.113	-0.044	34.105	24.120	-0.056	0.000	0.007	-0.012	0.013	+
D3-2846.3	43.071	20.068	-1.617	43.071	20.075	-1.628	0.000	0.007	-0.011	0.013	+
D3-2846.4	43.076	19.765	-1.114	43.076	19.772	-1.125	0.000	0.007	-0.011	0.013	+
D3-2846.5	43.090	19.577	-0.056	43.090	19.584	-0.067	0.000	0.007	-0.011	0.013	+
D3-2846.6	43.101	19.941	1.030	43.101	19.948	1.019	0.000	0.007	-0.011	0.013	+
D3-2846.7	43.107	22.099	2.032	43.107	22.106	2.020	0.000	0.007	-0.011	0.013	+
D3-2846.8	43.092	23.892	0.707	43.092	23.899	0.696	0.000	0.007	-0.012	0.013	+
D3-2846.9	43.072	24.081	-0.347	43.072	24.088	-0.359	0.000	0.007	-0.012	0.013	+
D3-2855.3	52.077	20.146	-1.757	52.077	20.153	-1.768	0.000	0.007	-0.011	0.013	+
D3-2855.4	52.083	19.856	-1.306	52.084	19.863	-1.318	0.000	0.007	-0.011	0.013	+
D3-2855.5	52.089	19.618	-0.253	52.089	19.625	-0.264	0.000	0.007	-0.011	0.013	+
D3-2855.6	52.103	19.968	0.907	52.103	19.975	0.896	0.000	0.007	-0.011	0.013	+
D3-2855.7	52.098	22.171	1.939	52.098	22.178	1.927	0.000	0.007	-0.011	0.013	+
D3-2855.8	52.074	23.980	0.514	52.074	23.987	0.503	0.000	0.007	-0.011	0.013	+
D3-2855.9	52.067	24.122	-0.482	52.067	24.129	-0.494	0.000	0.007	-0.011	0.013	+
D3-2864.3	61.081	20.292	-1.960	61.082	20.299	-1.971	0.000	0.007	-0.011	0.013	+
D3-2864.4	61.089	19.968	-1.537	61.089	19.975	-1.548	0.000	0.007	-0.011	0.013	+
D3-2864.5	61.100	19.643	-0.508	61.100	19.650	-0.519	0.000	0.007	-0.011	0.013	+
D3-2864.6	61.104	19.897	0.681	61.104	19.904	0.670	0.000	0.007	-0.011	0.013	+
D3-2864.7	61.092	22.193	1.864	61.092	22.201	1.853	0.000	0.007	-0.011	0.013	+
D3-2864.8	61.068	24.063	0.287	61.069	24.070	0.277	0.000	0.007	-0.011	0.013	+
D3-2864.9	61.061	24.135	-0.720	61.061	24.142	-0.731	0.000	0.007	-0.011	0.013	+
D3-2873.3	70.073	20.410	-2.150	70.074	20.417	-2.161	0.000	0.007	-0.010	0.013	+
D3-2873.4	70.075	20.037	-1.695	70.075	20.044	-1.705	0.000	0.007	-0.011	0.013	+
D3-2873.5	70.091	19.698	-0.728	70.091	19.705	-0.739	0.000	0.007	-0.011	0.013	+
D3-2873.6	70.101	19.902	0.473	70.101	19.909	0.463	0.000	0.007	-0.011	0.013	+
D3-2873.7	70.103	22.247	1.745	70.103	22.254	1.735	0.000	0.007	-0.010	0.013	+
D3-2873.8	70.078	24.141	0.054	70.078	24.148	0.044	0.000	0.007	-0.010	0.012	+
D3-2873.9	70.071	24.161	-0.938	70.071	24.168	-0.948	0.000	0.007	-0.010	0.012	+
D3-2882.3	79.072	20.383	-2.158	79.072	20.390	-2.169	0.000	0.007	-0.010	0.012	+
D3-2882.4	79.075	20.048	-1.741	79.076	20.055	-1.752	0.000	0.007	-0.010	0.012	+
D3-2882.5	79.074	19.703	-0.726	79.074	19.710	-0.736	0.000	0.007	-0.010	0.013	+
D3-2882.6	79.077	19.921	0.444	79.077	19.928	0.433	0.000	0.007	-0.010	0.013	+
D3-2882.7	79.091	22.240	1.707	79.091	22.247	1.697	0.000	0.007	-0.010	0.012	+
D3-2882.8	79.085	24.134	0.072	79.085	24.142	0.062	0.000	0.007	-0.010	0.012	+
D3-2882.9	79.080	24.180	-0.930	79.081	24.187	-0.940	0.000	0.007	-0.010	0.012	+
D3-2891.3	88.093	20.379	-2.151	88.093	20.386	-2.162	0.000	0.007	-0.010	0.012	+
D3-2891.4	88.090	20.053	-1.729	88.090	20.059	-1.739	0.000	0.007	-0.010	0.012	+
D3-2891.5	88.089	19.733	-0.702	88.089	19.740	-0.713	0.000	0.007	-0.010	0.012	+
D3-2891.6	88.083	19.989	0.483	88.083	19.996	0.472	0.000	0.007	-0.010	0.013	+
D3-2891.7	88.076	22.283	1.679	88.076	22.291	1.669	0.000	0.007	-0.010	0.012	+
D3-2891.8	88.077	24.154	0.089	88.077	24.161	0.079	0.000	0.007	-0.010	0.012	+
D3-2891.9	88.078	24.202	-1.001	88.079	24.209	-1.012	0.000	0.007	-0.010	0.012	+
D3-2900.3	97.092	20.438	-2.148	97.092	20.445	-2.159	0.000	0.007	-0.010	0.012	+
D3-2900.4	97.093	20.111	-1.732	97.093	20.118	-1.742	0.000	0.007	-0.010	0.012	+
D3-2900.5	97.099	19.777	-0.710	97.099	19.784	-0.720	0.000	0.007	-0.010	0.012	+
D3-2900.6	97.093	20.018	0.480	97.093	20.025	0.470	0.000	0.007	-0.010	0.013	+
D3-2900.7	97.078	22.306	1.697	97.078	22.313	1.686	0.000	0.007	-0.010	0.012	+
D3-2900.8	97.071	24.205	0.075	97.071	24.212	0.064	0.000	0.007	-0.010	0.012	+
D3-2900.9	97.070	24.256	-0.933	97.070	24.263	-0.943	0.000	0.007	-0.010	0.012	+
D3-2909.3	106.080	20.498	-2.146	106.080	20.505	-2.157	0.000	0.007	-0.010	0.012	+
D3-2909.4	106.085	20.168	-1.733	106.085	20.175	-1.743	0.000	0.007	-0.010	0.012	+
D3-2909.5	106.091	19.824	-0.720	106.091	19.831	-0.730	0.000	0.007	-0.010	0.012	+
D3-2909.6	106.093	20.051	0.474	106.093	20.058	0.464	0.000	0.007	-0.010	0.012	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR Komplett::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta			Mag	
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	(m)	
D3-2909.7	106.089	22.335	1.717	106.090	22.341	1.706	0.000	0.007	-0.010	0.013	+
D3-2909.8	106.079	24.257	0.075	106.079	24.264	0.064	0.000	0.007	-0.010	0.013	+
D3-2909.9	106.076	24.297	-0.921	106.076	24.304	-0.931	0.000	0.007	-0.010	0.013	+
D3-2918.3	115.096	20.528	-2.175	115.096	20.535	-2.185	0.000	0.007	-0.010	0.012	+
D3-2918.4	115.094	20.192	-1.747	115.095	20.199	-1.758	0.000	0.007	-0.010	0.012	+
D3-2918.5	115.096	19.856	-0.742	115.096	19.863	-0.752	0.000	0.007	-0.010	0.012	+
D3-2918.6	115.086	20.067	0.409	115.086	20.074	0.398	0.000	0.007	-0.010	0.012	+
D3-2918.7	115.070	22.395	1.684	115.070	22.401	1.674	0.000	0.007	-0.010	0.013	+
D3-2918.8	115.069	24.289	0.037	115.069	24.296	0.027	0.000	0.007	-0.010	0.012	+
D3-2918.9	115.074	24.332	-0.959	115.074	24.339	-0.969	0.000	0.007	-0.010	0.012	+
D3-2927.3	124.096	20.730	-2.287	124.096	20.737	-2.297	0.000	0.007	-0.010	0.012	+
D3-2927.4	124.095	20.400	-1.948	124.095	20.407	-1.958	0.000	0.007	-0.010	0.012	+
D3-2927.5	124.096	19.938	-0.899	124.096	19.945	-0.909	0.000	0.007	-0.010	0.012	+
D3-2927.6	124.089	20.073	0.302	124.089	20.079	0.292	0.000	0.007	-0.010	0.012	+
D3-2927.7	124.067	22.441	1.693	124.067	22.448	1.682	0.000	0.007	-0.010	0.012	+
D3-2927.8	124.067	24.388	-0.124	124.067	24.395	-0.134	0.000	0.007	-0.010	0.012	+
D3-2927.9	124.074	24.360	-1.117	124.074	24.367	-1.127	0.000	0.007	-0.010	0.012	+
D3-2934.4	131.589	20.509	-2.037	131.589	20.516	-2.047	0.000	0.007	-0.010	0.012	+
D3-2934.5	131.590	20.005	-1.082	131.590	20.012	-1.092	0.000	0.007	-0.010	0.012	+
D3-2934.6	131.596	20.042	0.125	131.596	20.048	0.115	0.000	0.007	-0.010	0.012	+
D3-2934.7	131.589	22.497	1.710	131.589	22.504	1.699	0.000	0.007	-0.010	0.012	+
D3-2934.8	131.576	24.454	-0.297	131.576	24.461	-0.307	0.000	0.007	-0.010	0.012	+
D3-2934.9	131.576	24.330	-1.279	131.577	24.337	-1.289	0.000	0.007	-0.010	0.012	+
D5-2951.3	148.036	22.819	-1.183	148.036	22.825	-1.193	0.000	0.006	-0.010	0.012	+
D5-2951.4	148.033	22.820	-0.439	148.033	22.826	-0.448	0.000	0.006	-0.010	0.012	+
D5-2951.5	148.039	22.818	0.350	148.039	22.824	0.340	0.000	0.006	-0.010	0.012	+
D5-2951.6	148.054	22.818	0.851	148.054	22.825	0.841	0.000	0.006	-0.010	0.012	+
D5-2953.2	150.071	25.591	-1.424	150.072	25.597	-1.433	0.000	0.006	-0.010	0.012	+
D5-2953.30	149.954	25.824	-1.105	149.954	25.830	-1.114	0.000	0.006	-0.010	0.012	+
D5-2953.3	149.706	25.731	-1.164	149.706	25.738	-1.173	0.000	0.006	-0.010	0.012	+
D5-2953.4	149.711	25.731	-0.420	149.711	25.737	-0.429	0.000	0.006	-0.010	0.012	+
D5-2953.5	149.737	25.734	0.370	149.737	25.741	0.360	0.000	0.006	-0.010	0.012	+
D5-2953.6	149.739	25.735	0.839	149.739	25.741	0.830	0.000	0.006	-0.010	0.012	+
D5-2954.2	151.366	30.383	-1.424	151.366	30.389	-1.434	0.000	0.006	-0.010	0.012	+
D5-2954.3	151.302	30.592	-1.154	151.302	30.598	-1.163	0.000	0.006	-0.010	0.012	+
D5-2954.4	151.325	30.592	-0.380	151.326	30.598	-0.390	0.000	0.006	-0.010	0.012	+
D5-2954.5	151.351	30.593	0.375	151.351	30.599	0.365	0.000	0.006	-0.010	0.012	+
D5-2954.6	151.337	30.593	0.873	151.338	30.599	0.863	0.000	0.006	-0.010	0.012	+
D5-2957.1	154.305	25.584	-1.412	154.305	25.590	-1.422	0.000	0.006	-0.010	0.012	+
D5-2957.2	154.159	23.176	-1.415	154.159	23.183	-1.424	0.000	0.006	-0.010	0.012	+
D5-2957.3	154.168	22.864	-1.188	154.169	22.871	-1.198	0.000	0.006	-0.010	0.012	+
D5-2957.4	154.159	22.865	-0.388	154.159	22.871	-0.398	0.000	0.006	-0.010	0.012	+
D5-2957.5	154.154	22.862	0.397	154.154	22.869	0.387	0.000	0.006	-0.010	0.012	+
D5-2957.6	154.151	22.862	0.885	154.151	22.868	0.875	0.000	0.006	-0.010	0.012	+
D5-2964.10	160.687	22.913	-1.190	160.687	22.919	-1.200	0.000	0.006	-0.010	0.012	+
D5-2964.1	160.660	26.464	-1.404	160.661	26.470	-1.413	0.000	0.006	-0.010	0.012	+
D5-2964.11	160.711	23.538	-1.416	160.711	23.544	-1.426	0.000	0.006	-0.010	0.012	+
D5-2964.2	160.509	30.389	-1.420	160.509	30.395	-1.430	0.000	0.006	-0.010	0.012	+
D5-2964.3	160.485	30.659	-1.180	160.485	30.665	-1.190	0.000	0.006	-0.010	0.012	+
D5-2964.4	160.474	30.656	-0.423	160.474	30.662	-0.433	0.000	0.006	-0.010	0.012	+
D5-2964.5	160.464	30.656	0.380	160.464	30.663	0.371	0.000	0.006	-0.010	0.012	+
D5-2964.6	160.490	30.656	0.871	160.490	30.662	0.861	0.000	0.006	-0.010	0.012	+
D5-2964.7	160.702	22.908	0.875	160.702	22.914	0.865	0.000	0.006	-0.010	0.012	+
D5-2964.8	160.696	22.908	0.375	160.696	22.914	0.365	0.000	0.006	-0.010	0.012	+
D5-2964.9	160.682	22.913	-0.427	160.682	22.919	-0.437	0.000	0.006	-0.010	0.012	+
D5-2970.3	167.205	27.311	-1.213	167.205	27.317	-1.223	0.000	0.006	-0.010	0.012	+
D5-2970.4	167.203	27.515	-0.729	167.204	27.521	-0.738	0.000	0.006	-0.010	0.012	+
D5-2970.5	167.204	27.560	0.347	167.204	27.566	0.337	0.000	0.006	-0.010	0.012	+
D5-2970.6	167.204	27.024	1.403	167.204	27.031	1.393	0.000	0.006	-0.010	0.012	+
D5-2970.7	167.224	25.059	2.133	167.224	25.065	2.123	0.000	0.006	-0.010	0.012	+
D5-2970.8	167.232	23.433	1.098	167.233	23.439	1.088	0.000	0.006	-0.010	0.012	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR Komplett::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta				
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	Mag (m)	
D5-2970.9	167.233	23.103	0.148	167.233	23.109	0.138	0.000	0.006	-0.010	0.012	+
D5-2979.3	176.204	27.352	-1.217	176.205	27.358	-1.226	0.000	0.006	-0.010	0.011	+
D5-2979.4	176.203	27.563	-0.727	176.204	27.569	-0.736	0.000	0.006	-0.010	0.011	+
D5-2979.5	176.204	27.616	0.349	176.204	27.622	0.340	0.000	0.006	-0.010	0.011	+
D5-2979.6	176.207	27.095	1.403	176.208	27.101	1.393	0.000	0.006	-0.010	0.011	+
D5-2979.7	176.221	25.089	2.155	176.221	25.095	2.145	0.000	0.006	-0.010	0.011	+
D5-2979.8	176.233	23.462	1.085	176.233	23.468	1.075	0.000	0.006	-0.010	0.011	+
D5-2979.9	176.236	23.143	0.118	176.237	23.149	0.108	0.000	0.006	-0.010	0.011	+
D5-2988.3	185.209	27.425	-1.219	185.209	27.431	-1.229	0.000	0.006	-0.009	0.011	+
D5-2988.4	185.207	27.643	-0.729	185.208	27.649	-0.739	0.000	0.006	-0.009	0.011	+
D5-2988.5	185.209	27.704	0.346	185.209	27.710	0.336	0.000	0.006	-0.009	0.011	+
D5-2988.6	185.206	27.194	1.404	185.207	27.200	1.394	0.000	0.006	-0.009	0.011	+
D5-2988.7	185.218	25.191	2.172	185.218	25.197	2.162	0.000	0.006	-0.010	0.011	+
D5-2988.8	185.232	23.544	1.101	185.233	23.550	1.091	0.000	0.006	-0.010	0.011	+
D5-2988.9	185.233	23.231	0.142	185.233	23.237	0.132	0.000	0.006	-0.010	0.011	+
D5-2997.3	194.212	27.508	-1.200	194.213	27.513	-1.210	0.000	0.006	-0.009	0.011	+
D5-2997.4	194.208	27.725	-0.719	194.208	27.731	-0.729	0.000	0.006	-0.009	0.011	+
D5-2997.5	194.206	27.795	0.354	194.207	27.801	0.344	0.000	0.006	-0.009	0.011	+
D5-2997.6	194.205	27.299	1.413	194.206	27.305	1.404	0.000	0.006	-0.009	0.011	+
D5-2997.7	194.216	25.288	2.201	194.217	25.294	2.191	0.000	0.006	-0.009	0.011	+
D5-2997.8	194.233	23.618	1.101	194.233	23.624	1.091	0.000	0.006	-0.010	0.011	+
D5-2997.9	194.236	23.321	0.137	194.236	23.327	0.127	0.000	0.006	-0.010	0.011	+
D5-3006.3	203.203	27.560	-1.205	203.203	27.566	-1.214	0.000	0.006	-0.009	0.011	+
D5-3006.4	203.205	27.775	-0.728	203.205	27.781	-0.737	0.000	0.006	-0.009	0.011	+
D5-3006.5	203.208	27.850	0.349	203.208	27.856	0.339	0.000	0.006	-0.009	0.011	+
D5-3006.6	203.218	27.358	1.403	203.218	27.364	1.394	0.000	0.006	-0.009	0.011	+
D5-3006.7	203.225	25.345	2.189	203.226	25.351	2.180	0.000	0.006	-0.010	0.011	+
D5-3006.8	203.240	23.671	1.099	203.240	23.677	1.090	0.000	0.006	-0.010	0.011	+
D5-3006.9	203.238	23.370	0.131	203.238	23.376	0.122	0.000	0.006	-0.010	0.011	+
D5-3015.3	212.210	27.611	-1.206	212.210	27.617	-1.215	0.001	0.006	-0.009	0.011	+
D5-3015.4	212.214	27.818	-0.723	212.214	27.823	-0.732	0.001	0.006	-0.009	0.011	+
D5-3015.5	212.216	27.867	0.351	212.216	27.873	0.342	0.001	0.006	-0.009	0.011	+
D5-3015.6	212.220	27.360	1.387	212.221	27.365	1.378	0.001	0.006	-0.009	0.011	+
D5-3015.7	212.232	25.367	2.149	212.233	25.372	2.140	0.000	0.006	-0.010	0.011	+
D5-3015.8	212.238	23.727	1.097	212.239	23.732	1.088	0.000	0.006	-0.010	0.011	+
D5-3015.9	212.235	23.402	0.136	212.236	23.407	0.126	0.000	0.006	-0.010	0.011	+
D5-3024.3	221.215	27.679	-1.216	221.216	27.684	-1.225	0.000	0.006	-0.009	0.011	+
D5-3024.4	221.210	27.886	-0.722	221.211	27.892	-0.731	0.001	0.006	-0.009	0.011	+
D5-3024.5	221.209	27.929	0.354	221.209	27.935	0.345	0.001	0.006	-0.009	0.011	+
D5-3024.6	221.211	27.406	1.395	221.211	27.411	1.385	0.001	0.006	-0.009	0.011	+
D5-3024.7	221.217	25.453	2.130	221.218	25.459	2.120	0.001	0.005	-0.010	0.011	+
D5-3024.8	221.233	23.799	1.103	221.233	23.804	1.093	0.000	0.006	-0.010	0.011	+
D5-3024.9	221.236	23.467	0.148	221.237	23.472	0.138	0.000	0.005	-0.010	0.011	+
D5-3033.3	230.221	27.763	-1.187	230.221	27.768	-1.196	0.000	0.005	-0.009	0.011	+
D5-3033.4	230.220	27.958	-0.696	230.220	27.964	-0.706	0.000	0.006	-0.010	0.011	+
D5-3033.5	230.218	27.982	0.378	230.219	27.988	0.369	0.000	0.006	-0.010	0.011	+
D5-3033.6	230.221	27.448	1.405	230.221	27.453	1.395	0.000	0.006	-0.010	0.011	+
D5-3033.7	230.219	25.497	2.128	230.220	25.502	2.118	0.000	0.005	-0.010	0.011	+
D5-3033.8	230.227	23.861	1.094	230.227	23.866	1.084	0.000	0.005	-0.010	0.011	+
D5-3033.9	230.230	23.532	0.139	230.231	23.537	0.129	0.000	0.005	-0.010	0.011	+
D5-3042.3	239.191	27.835	-1.213	239.191	27.841	-1.223	0.000	0.005	-0.010	0.011	+
D5-3042.4	239.191	28.034	-0.725	239.191	28.039	-0.734	0.000	0.005	-0.010	0.011	+
D5-3042.5	239.192	28.063	0.352	239.193	28.069	0.342	0.000	0.006	-0.010	0.011	+
D5-3042.6	239.199	27.520	1.395	239.200	27.526	1.385	0.000	0.005	-0.010	0.011	+
D5-3042.7	239.235	25.567	2.110	239.235	25.572	2.100	0.000	0.005	-0.010	0.011	+
D5-3042.8	239.259	23.948	1.089	239.260	23.954	1.079	0.000	0.005	-0.010	0.011	+
D5-3042.9	239.261	23.612	0.137	239.262	23.617	0.127	0.000	0.005	-0.010	0.011	+
D5-3051.3	248.223	27.908	-1.205	248.223	27.914	-1.214	0.000	0.005	-0.009	0.011	+
D5-3051.4	248.222	28.109	-0.706	248.222	28.114	-0.716	0.000	0.005	-0.009	0.011	+
D5-3051.5	248.216	28.135	0.366	248.217	28.141	0.356	0.000	0.006	-0.010	0.011	+
D5-3051.6	248.210	27.594	1.412	248.210	27.599	1.402	0.000	0.005	-0.010	0.011	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR Komplet::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta			Mag	
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	(m)	
D5-3051.7	248.213	25.646	2.119	248.214	25.651	2.109	0.000	0.005	-0.010	0.011	+
D5-3051.8	248.222	24.005	1.086	248.223	24.010	1.076	0.000	0.005	-0.010	0.011	+
D5-3051.9	248.228	23.674	0.136	248.229	23.679	0.126	0.000	0.005	-0.010	0.011	+
D5-3060.3	257.215	27.961	-1.208	257.215	27.967	-1.217	0.000	0.005	-0.009	0.011	+
D5-3060.4	257.215	28.156	-0.715	257.216	28.161	-0.724	0.000	0.005	-0.009	0.011	+
D5-3060.5	257.216	28.174	0.361	257.217	28.179	0.352	0.000	0.005	-0.009	0.011	+
D5-3060.6	257.216	27.643	1.376	257.217	27.648	1.367	0.000	0.005	-0.009	0.011	+
D5-3060.7	257.233	25.672	2.099	257.233	25.677	2.089	0.000	0.005	-0.010	0.011	+
D5-3060.8	257.243	24.077	1.094	257.243	24.082	1.085	0.000	0.005	-0.010	0.011	+
D5-3060.9	257.245	23.732	0.144	257.245	23.737	0.134	0.000	0.005	-0.010	0.011	+
D5-3069.3	266.203	28.050	-1.204	266.203	28.055	-1.213	0.000	0.005	-0.009	0.010	+
D5-3069.4	266.205	28.237	-0.704	266.206	28.243	-0.713	0.000	0.005	-0.009	0.010	+
D5-3069.5	266.212	28.235	0.370	266.212	28.240	0.361	0.000	0.005	-0.009	0.010	+
D5-3069.6	266.221	27.724	1.341	266.221	27.729	1.332	0.000	0.005	-0.009	0.010	+
D5-3069.7	266.245	25.755	2.071	266.246	25.760	2.062	0.000	0.005	-0.009	0.011	+
D5-3069.8	266.255	24.167	1.100	266.255	24.172	1.091	0.000	0.005	-0.009	0.011	+
D5-3069.9	266.251	23.804	0.148	266.252	23.809	0.139	0.000	0.005	-0.009	0.011	+
D5-3078.3	275.228	28.123	-1.224	275.228	28.128	-1.232	0.000	0.005	-0.008	0.010	+
D5-3078.4	275.228	28.311	-0.731	275.228	28.316	-0.740	0.000	0.005	-0.008	0.010	+
D5-3078.5	275.224	28.317	0.346	275.224	28.322	0.337	0.000	0.005	-0.008	0.010	+
D5-3078.6	275.217	27.814	1.319	275.217	27.819	1.311	0.000	0.005	-0.008	0.010	+
D5-3078.7	275.216	25.845	2.060	275.216	25.850	2.051	0.000	0.005	-0.009	0.010	+
D5-3078.8	275.224	24.259	1.103	275.224	24.264	1.094	0.000	0.005	-0.009	0.010	+
D5-3078.9	275.229	23.887	0.159	275.229	23.892	0.150	0.000	0.005	-0.009	0.010	+
D5-3087.3	284.204	28.154	-1.210	284.205	28.159	-1.218	0.000	0.005	-0.008	0.009	+
D5-3087.4	284.207	28.351	-0.716	284.207	28.356	-0.724	0.000	0.005	-0.008	0.009	+
D5-3087.5	284.208	28.375	0.360	284.208	28.380	0.352	0.000	0.005	-0.008	0.009	+
D5-3087.6	284.210	27.825	1.401	284.210	27.829	1.393	0.000	0.005	-0.008	0.009	+
D5-3087.7	284.229	25.900	2.108	284.229	25.904	2.099	0.000	0.005	-0.008	0.010	+
D5-3087.8	284.242	24.267	1.093	284.242	24.272	1.084	0.000	0.005	-0.008	0.010	+
D5-3087.9	284.243	23.927	0.147	284.243	23.932	0.139	0.000	0.005	-0.008	0.010	+
D5-3096.3	293.217	28.241	-1.216	293.217	28.246	-1.224	0.000	0.005	-0.008	0.009	+
D5-3096.4	293.218	28.431	-0.720	293.218	28.436	-0.728	0.000	0.005	-0.008	0.009	+
D5-3096.5	293.221	28.438	0.354	293.221	28.443	0.346	0.000	0.005	-0.008	0.009	+
D5-3096.6	293.223	27.925	1.329	293.223	27.929	1.321	0.000	0.005	-0.008	0.009	+
D5-3096.7	293.234	25.970	2.074	293.234	25.975	2.066	0.000	0.005	-0.008	0.009	+
D5-3096.8	293.238	24.364	1.102	293.238	24.368	1.094	0.000	0.005	-0.008	0.009	+
D5-3096.9	293.234	24.001	0.147	293.235	24.006	0.139	0.000	0.005	-0.008	0.010	+
D5-3105.3	302.207	28.283	-1.207	302.207	28.288	-1.214	0.000	0.005	-0.008	0.009	+
D5-3105.4	302.208	28.478	-0.713	302.208	28.483	-0.721	0.000	0.005	-0.008	0.009	+
D5-3105.5	302.207	28.497	0.361	302.207	28.502	0.354	0.000	0.005	-0.008	0.009	+
D5-3105.6	302.205	27.949	1.402	302.206	27.953	1.394	0.000	0.005	-0.008	0.009	+
D5-3105.7	302.218	26.000	2.103	302.218	26.005	2.095	0.000	0.005	-0.008	0.009	+
D5-3105.8	302.235	24.399	1.093	302.235	24.403	1.085	0.000	0.005	-0.008	0.009	+
D5-3105.9	302.241	24.053	0.097	302.242	24.057	0.089	0.000	0.005	-0.008	0.009	+
D5-3114.3	311.203	28.357	-1.199	311.203	28.362	-1.206	0.000	0.005	-0.007	0.009	+
D5-3114.4	311.203	28.547	-0.700	311.203	28.551	-0.707	0.000	0.005	-0.007	0.009	+
D5-3114.5	311.205	28.554	0.369	311.205	28.559	0.362	0.000	0.005	-0.007	0.009	+
D5-3114.6	311.209	28.004	1.390	311.209	28.008	1.382	0.000	0.005	-0.007	0.009	+
D5-3114.7	311.227	26.093	2.084	311.227	26.097	2.077	0.000	0.004	-0.007	0.009	+
D5-3114.8	311.240	24.460	1.080	311.240	24.464	1.072	0.000	0.004	-0.008	0.009	+
D5-3114.9	311.242	24.115	0.138	311.242	24.119	0.131	0.000	0.005	-0.008	0.009	+
D5-3123.3	320.210	28.434	-1.207	320.210	28.439	-1.214	0.000	0.005	-0.007	0.008	+
D5-3123.4	320.210	28.623	-0.719	320.211	28.627	-0.726	0.000	0.005	-0.007	0.008	+
D5-3123.5	320.209	28.632	0.364	320.209	28.637	0.358	0.000	0.004	-0.007	0.008	+
D5-3123.6	320.211	28.150	1.314	320.211	28.154	1.307	0.000	0.004	-0.007	0.008	+
D5-3123.7	320.229	26.156	2.075	320.229	26.160	2.068	0.000	0.004	-0.007	0.008	+
D5-3123.8	320.238	24.551	1.088	320.238	24.555	1.081	0.000	0.004	-0.007	0.008	+
D5-3123.9	320.238	24.199	0.142	320.238	24.203	0.135	0.000	0.004	-0.007	0.008	+
D5-3132.3	329.215	28.489	-1.214	329.216	28.493	-1.221	0.000	0.004	-0.007	0.008	+
D5-3132.4	329.221	28.676	-0.719	329.221	28.680	-0.726	0.000	0.004	-0.007	0.008	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR Komplett::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta				
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	Mag (m)	
D5-3132.5	329.227	28.678	0.351	329.228	28.683	0.344	0.000	0.004	-0.007	0.008	+
D5-3132.6	329.231	28.196	1.293	329.232	28.201	1.286	0.000	0.004	-0.007	0.008	+
D5-3132.7	329.238	26.184	2.066	329.239	26.189	2.059	0.000	0.004	-0.007	0.008	+
D5-3132.8	329.232	24.615	1.097	329.232	24.620	1.090	0.000	0.004	-0.007	0.008	+
D5-3132.9	329.226	24.255	0.154	329.226	24.259	0.147	0.000	0.004	-0.007	0.008	+
D5-3141.3	338.225	28.513	-1.208	338.225	28.518	-1.214	0.001	0.004	-0.006	0.008	+
D5-3141.4	338.229	28.695	-0.713	338.229	28.699	-0.720	0.001	0.004	-0.006	0.008	+
D5-3141.5	338.230	28.690	0.363	338.231	28.695	0.357	0.000	0.004	-0.006	0.008	+
D5-3141.6	338.232	28.123	1.382	338.232	28.127	1.376	0.000	0.004	-0.006	0.008	+
D5-3141.7	338.225	26.245	2.055	338.225	26.249	2.048	0.000	0.004	-0.006	0.008	+
D5-3141.8	338.220	24.641	1.100	338.220	24.645	1.094	0.000	0.004	-0.006	0.008	+
D5-3141.9	338.216	24.269	0.164	338.216	24.273	0.157	0.000	0.004	-0.006	0.007	+
D5-3150.3	347.229	28.481	-1.199	347.230	28.485	-1.205	0.001	0.004	-0.006	0.007	+
D5-3150.4	347.244	28.634	-0.690	347.244	28.638	-0.696	0.001	0.004	-0.006	0.007	+
D5-3150.5	347.268	28.561	0.384	347.268	28.565	0.378	0.001	0.004	-0.006	0.007	+
D5-3150.6	347.275	27.930	1.363	347.275	27.934	1.357	0.001	0.004	-0.006	0.007	+
D5-3150.7	347.263	26.114	1.934	347.264	26.118	1.928	0.000	0.004	-0.006	0.007	+
D5-3150.8	347.226	24.633	1.095	347.226	24.637	1.089	0.000	0.004	-0.006	0.007	+
D5-3150.9	347.196	24.207	0.180	347.196	24.211	0.174	0.000	0.004	-0.006	0.007	+
D5-3159.3	356.236	28.446	-1.199	356.237	28.450	-1.205	0.001	0.004	-0.006	0.007	+
D5-3159.4	356.244	28.554	-0.683	356.245	28.558	-0.689	0.001	0.004	-0.006	0.007	+
D5-3159.5	356.252	28.391	0.381	356.253	28.395	0.375	0.001	0.004	-0.006	0.007	+
D5-3159.6	356.256	27.660	1.328	356.256	27.663	1.322	0.001	0.004	-0.006	0.007	+
D5-3159.7	356.241	26.009	1.757	356.242	26.013	1.751	0.001	0.004	-0.006	0.007	+
D5-3159.8	356.221	24.668	1.074	356.222	24.672	1.068	0.001	0.004	-0.006	0.007	+
D5-3159.9	356.203	24.155	0.199	356.204	24.159	0.193	0.001	0.004	-0.006	0.007	+
D5-3168.3	365.234	28.333	-1.195	365.234	28.336	-1.200	0.001	0.004	-0.006	0.007	+
D5-3168.4	365.242	28.416	-0.663	365.243	28.420	-0.669	0.001	0.004	-0.006	0.007	+
D5-3168.5	365.251	28.194	0.396	365.252	28.198	0.390	0.001	0.004	-0.006	0.007	+
D5-3168.6	365.252	27.437	1.281	365.252	27.440	1.275	0.001	0.004	-0.006	0.007	+
D5-3168.7	365.236	25.892	1.656	365.237	25.896	1.651	0.001	0.004	-0.006	0.007	+
D5-3168.8	365.207	24.595	1.045	365.207	24.599	1.040	0.001	0.004	-0.006	0.007	+
D5-3168.9	365.195	24.040	0.198	365.196	24.044	0.193	0.001	0.004	-0.006	0.007	+
D7-3198.3	395.311	28.225	-1.208	395.312	28.229	-1.212	0.001	0.003	-0.005	0.006	+
D7-3198.4	395.307	28.410	-0.711	395.308	28.414	-0.715	0.001	0.003	-0.005	0.006	+
D7-3198.5	395.304	28.410	0.373	395.305	28.414	0.368	0.001	0.003	-0.005	0.006	+
D7-3198.6	395.306	27.836	1.410	395.307	27.839	1.405	0.001	0.003	-0.005	0.006	+
D7-3198.7	395.313	25.915	2.072	395.314	25.919	2.068	0.001	0.003	-0.005	0.006	+
D7-3198.8	395.327	24.345	1.089	395.328	24.348	1.085	0.001	0.003	-0.005	0.006	+
D7-3198.9	395.334	23.985	0.159	395.334	23.988	0.154	0.001	0.003	-0.005	0.006	+
D7-3207.3	404.312	28.256	-1.208	404.313	28.260	-1.212	0.001	0.003	-0.004	0.005	+
D7-3207.4	404.308	28.455	-0.721	404.309	28.458	-0.725	0.001	0.003	-0.004	0.005	+
D7-3207.5	404.303	28.487	0.352	404.304	28.490	0.348	0.001	0.003	-0.004	0.005	+
D7-3207.6	404.302	27.952	1.402	404.303	27.955	1.398	0.001	0.003	-0.004	0.005	+
D7-3207.7	404.310	25.981	2.128	404.311	25.984	2.124	0.001	0.003	-0.004	0.005	+
D7-3207.8	404.326	24.379	1.107	404.327	24.382	1.103	0.001	0.003	-0.004	0.005	+
D7-3207.9	404.329	24.038	0.165	404.329	24.041	0.161	0.001	0.003	-0.004	0.005	+
D7-3216.3	413.309	28.318	-1.206	413.310	28.321	-1.209	0.001	0.003	-0.004	0.005	+
D7-3216.4	413.307	28.515	-0.718	413.308	28.518	-0.721	0.001	0.003	-0.004	0.005	+
D7-3216.5	413.302	28.541	0.361	413.303	28.544	0.357	0.001	0.003	-0.004	0.005	+
D7-3216.6	413.300	28.000	1.408	413.301	28.003	1.404	0.001	0.003	-0.004	0.005	+
D7-3216.7	413.307	26.032	2.121	413.308	26.035	2.117	0.001	0.003	-0.004	0.005	+
D7-3216.8	413.326	24.444	1.111	413.327	24.447	1.108	0.001	0.003	-0.004	0.005	+
D7-3216.9	413.327	24.095	0.157	413.328	24.098	0.154	0.001	0.003	-0.004	0.005	+
D7-3225.3	422.298	28.380	-1.208	422.299	28.383	-1.212	0.001	0.003	-0.004	0.005	+
D7-3225.4	422.294	28.578	-0.718	422.295	28.581	-0.722	0.001	0.003	-0.004	0.005	+
D7-3225.5	422.290	28.607	0.359	422.291	28.610	0.355	0.001	0.003	-0.003	0.005	+
D7-3225.6	422.292	28.061	1.410	422.293	28.064	1.406	0.001	0.003	-0.004	0.005	+
D7-3225.7	422.306	26.099	2.124	422.307	26.102	2.120	0.001	0.003	-0.003	0.004	+
D7-3225.8	422.330	24.499	1.097	422.331	24.501	1.093	0.001	0.003	-0.003	0.004	+
D7-3225.9	422.340	24.159	0.147	422.341	24.162	0.144	0.001	0.003	-0.003	0.004	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR_Komplett::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta				
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	Mag (m)	
D7-3234.3	431.296	28.439	-1.198	431.297	28.442	-1.202	0.001	0.003	-0.003	0.004	+
D7-3234.4	431.296	28.639	-0.710	431.297	28.642	-0.713	0.001	0.003	-0.003	0.004	+
D7-3234.5	431.298	28.674	0.369	431.299	28.677	0.366	0.001	0.003	-0.003	0.004	+
D7-3234.6	431.305	28.146	1.408	431.306	28.149	1.405	0.001	0.003	-0.003	0.004	+
D7-3234.7	431.320	26.145	2.134	431.321	26.148	2.131	0.001	0.003	-0.003	0.004	+
D7-3234.8	431.334	24.553	1.109	431.335	24.556	1.106	0.001	0.003	-0.003	0.004	+
D7-3234.9	431.335	24.219	0.165	431.336	24.222	0.162	0.001	0.002	-0.003	0.004	+
D7-3243.3	440.309	28.503	-1.213	440.310	28.506	-1.216	0.001	0.002	-0.003	0.004	+
D7-3243.4	440.308	28.697	-0.724	440.309	28.700	-0.727	0.001	0.002	-0.003	0.004	+
D7-3243.5	440.309	28.718	0.359	440.310	28.721	0.356	0.001	0.002	-0.003	0.004	+
D7-3243.6	440.315	28.177	1.394	440.316	28.179	1.391	0.001	0.002	-0.003	0.004	+
D7-3243.7	440.322	26.208	2.108	440.323	26.210	2.105	0.001	0.002	-0.003	0.004	+
D7-3243.8	440.329	24.615	1.089	440.329	24.618	1.086	0.001	0.002	-0.003	0.004	+
D7-3243.9	440.328	24.273	0.142	440.329	24.275	0.139	0.001	0.002	-0.003	0.004	+
D7-3252.3	449.305	28.555	-1.212	449.306	28.557	-1.214	0.001	0.002	-0.003	0.004	+
D7-3252.4	449.304	28.755	-0.723	449.305	28.757	-0.726	0.001	0.002	-0.003	0.004	+
D7-3252.5	449.305	28.790	0.355	449.306	28.792	0.352	0.001	0.002	-0.003	0.004	+
D7-3252.6	449.315	28.258	1.399	449.316	28.260	1.396	0.001	0.002	-0.003	0.004	+
D7-3252.7	449.329	26.289	2.129	449.330	26.291	2.126	0.001	0.002	-0.003	0.003	+
D7-3252.8	449.334	24.608	0.988	449.335	24.610	0.986	0.001	0.002	-0.003	0.003	+
D7-3252.9	449.332	24.338	0.156	449.333	24.340	0.154	0.001	0.002	-0.003	0.003	+
D7-3261.3	458.299	28.635	-1.202	458.300	28.637	-1.204	0.001	0.002	-0.002	0.003	+
D7-3261.4	458.295	28.823	-0.712	458.297	28.825	-0.715	0.001	0.002	-0.002	0.003	+
D7-3261.5	458.291	28.838	0.365	458.292	28.840	0.363	0.001	0.002	-0.002	0.003	+
D7-3261.6	458.296	28.287	1.393	458.297	28.289	1.391	0.001	0.002	-0.002	0.003	+
D7-3261.7	458.314	26.333	2.092	458.315	26.335	2.090	0.001	0.002	-0.002	0.003	+
D7-3261.8	458.325	24.731	1.064	458.326	24.733	1.061	0.001	0.002	-0.002	0.003	+
D7-3261.9	458.340	24.398	0.156	458.341	24.400	0.153	0.001	0.002	-0.002	0.003	+
D7-3270.3	467.310	28.684	-1.214	467.311	28.686	-1.216	0.001	0.002	-0.002	0.003	+
D7-3270.4	467.306	28.881	-0.720	467.307	28.882	-0.722	0.001	0.002	-0.002	0.003	+
D7-3270.5	467.299	28.904	0.353	467.300	28.906	0.351	0.001	0.002	-0.002	0.003	+
D7-3270.6	467.298	28.359	1.398	467.299	28.361	1.395	0.001	0.002	-0.002	0.003	+
D7-3270.7	467.302	26.424	2.112	467.303	26.426	2.109	0.001	0.002	-0.002	0.003	+
D7-3270.8	467.322	24.804	1.091	467.323	24.805	1.089	0.001	0.002	-0.002	0.003	+
D7-3270.9	467.330	24.461	0.162	467.331	24.463	0.160	0.001	0.002	-0.002	0.003	+
D7-3279.3	476.298	28.757	-1.200	476.299	28.759	-1.202	0.001	0.002	-0.002	0.003	+
D7-3279.4	476.297	28.952	-0.716	476.298	28.954	-0.718	0.001	0.002	-0.002	0.003	+
D7-3279.5	476.297	28.981	0.361	476.298	28.983	0.359	0.001	0.002	-0.002	0.003	+
D7-3279.6	476.303	28.449	1.400	476.304	28.451	1.398	0.001	0.002	-0.002	0.003	+
D7-3279.7	476.316	26.478	2.126	476.317	26.480	2.124	0.001	0.001	-0.002	0.003	+
D7-3279.8	476.333	24.869	1.094	476.334	24.870	1.092	0.001	0.001	-0.002	0.003	+
D7-3279.9	476.336	24.534	0.154	476.338	24.535	0.152	0.001	0.001	-0.002	0.003	+
D7-3288.3	485.310	28.828	-1.218	485.311	28.829	-1.220	0.001	0.001	-0.002	0.003	+
D7-3288.4	485.306	29.022	-0.729	485.307	29.023	-0.731	0.001	0.001	-0.002	0.003	+
D7-3288.5	485.306	29.045	0.346	485.307	29.047	0.344	0.001	0.001	-0.002	0.002	+
D7-3288.6	485.305	28.504	1.384	485.306	28.505	1.383	0.001	0.001	-0.002	0.002	+
D7-3288.7	485.314	26.548	2.098	485.315	26.549	2.096	0.001	0.001	-0.002	0.002	+
D7-3288.8	485.325	24.956	1.097	485.326	24.957	1.096	0.001	0.001	-0.002	0.002	+
D7-3288.9	485.332	24.598	0.153	485.333	24.599	0.152	0.001	0.001	-0.002	0.002	+
D7-3297.3	494.295	28.890	-1.204	494.296	28.891	-1.205	0.001	0.001	-0.002	0.002	+
D7-3297.4	494.291	29.077	-0.715	494.292	29.078	-0.717	0.001	0.001	-0.002	0.002	+
D7-3297.5	494.292	29.097	0.366	494.293	29.098	0.364	0.001	0.001	-0.002	0.002	+
D7-3297.6	494.300	28.545	1.402	494.301	28.546	1.400	0.001	0.001	-0.002	0.002	+
D7-3297.7	494.322	26.595	2.099	494.323	26.596	2.097	0.001	0.001	-0.002	0.002	+
D7-3297.8	494.341	24.999	1.084	494.342	25.000	1.082	0.001	0.001	-0.002	0.002	+
D7-3297.9	494.340	24.657	0.161	494.341	24.658	0.159	0.001	0.001	-0.002	0.002	+
D7-3303.3	500.314	28.937	-1.203	500.314	28.938	-1.205	0.001	0.001	-0.002	0.002	+
D7-3303.4	500.310	29.131	-0.705	500.311	29.132	-0.707	0.001	0.001	-0.002	0.003	+
D7-3303.5	500.307	29.146	0.373	500.308	29.146	0.370	0.001	0.001	-0.003	0.003	+
D7-3303.6	500.307	28.601	1.401	500.308	28.602	1.398	0.001	0.001	-0.003	0.003	+
D7-3303.7	500.315	26.648	2.108	500.315	26.649	2.105	0.001	0.001	-0.003	0.003	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR_Komplett::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta			Mag	
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	(m)	
D7-3303.8	500.323	25.053	1.102	500.324	25.054	1.099	0.001	0.001	-0.003	0.003	+
D7-3303.9	500.330	24.705	0.172	500.330	24.705	0.170	0.001	0.001	-0.002	0.003	+
D7-3312.3	509.297	28.991	-1.187	509.297	28.992	-1.189	0.001	0.001	-0.002	0.002	+
D7-3312.4	509.296	29.188	-0.677	509.296	29.189	-0.679	0.001	0.001	-0.002	0.002	+
D7-3312.5	509.291	29.205	0.386	509.291	29.206	0.384	0.001	0.001	-0.002	0.002	+
D7-3312.6	509.302	28.674	1.411	509.303	28.675	1.409	0.001	0.001	-0.002	0.002	+
D7-3312.7	509.325	26.707	2.127	509.326	26.708	2.125	0.001	0.001	-0.002	0.003	+
D7-3312.8	509.340	25.091	1.084	509.341	25.092	1.082	0.001	0.001	-0.002	0.002	+
D7-3312.9	509.344	24.762	0.155	509.345	24.762	0.153	0.001	0.001	-0.002	0.002	+
D7-3321.3	518.302	29.072	-1.218	518.302	29.073	-1.220	0.000	0.001	-0.002	0.002	+
D7-3321.4	518.299	29.278	-0.722	518.299	29.279	-0.724	0.000	0.001	-0.002	0.002	+
D7-3321.5	518.300	29.277	0.509	518.300	29.278	0.507	0.001	0.001	-0.002	0.002	+
D7-3321.6	518.302	28.798	1.385	518.302	28.799	1.383	0.001	0.001	-0.002	0.002	+
D7-3321.7	518.310	26.776	2.125	518.311	26.776	2.122	0.001	0.000	-0.003	0.003	+
D7-3321.8	518.325	25.190	1.097	518.326	25.190	1.094	0.001	0.000	-0.002	0.003	+
D7-3321.9	518.330	24.858	0.173	518.331	24.858	0.171	0.001	0.000	-0.002	0.002	+
D7-3330.3	527.303	29.110	-1.207	527.303	29.110	-1.208	0.001	0.000	-0.001	0.002	+
D7-3330.4	527.300	29.310	-0.704	527.301	29.310	-0.705	0.001	0.000	-0.001	0.002	+
D7-3330.5	527.297	29.343	0.368	527.297	29.344	0.366	0.001	0.000	-0.001	0.002	+
D7-3330.6	527.304	28.831	1.395	527.305	28.831	1.393	0.001	0.000	-0.001	0.001	+
D7-3330.7	527.322	26.834	2.138	527.322	26.834	2.136	0.001	0.000	-0.001	0.001	+
D7-3330.8	527.329	25.232	1.105	527.330	25.233	1.104	0.001	0.000	-0.001	0.002	+
D7-3330.9	527.332	24.901	0.184	527.333	24.902	0.183	0.001	0.000	-0.001	0.002	+
D7-3333.3	530.363	29.404	-1.341	530.364	29.404	-1.343	0.001	0.000	-0.001	0.002	+
D7-3334.5	531.517	29.384	0.154	531.502	29.384	0.154	-0.015	0.000	0.000	0.015	+
D7-3334.8	532.016	24.423	0.175	532.017	24.424	0.173	0.001	0.000	-0.002	0.002	+
D7-3336.32	533.639	27.668	-1.341	533.640	27.668	-1.343	0.001	0.000	-0.002	0.002	+
D7-3336.34	533.604	24.645	-1.329	533.604	24.639	-1.333	0.001	-0.006	-0.004	0.007	+
D7-3336.35	533.443	24.409	-1.333	533.444	24.410	-1.335	0.001	0.000	-0.002	0.002	+
D7-3336.51	533.672	29.189	0.172	533.673	29.190	0.170	0.001	0.000	-0.002	0.002	+
D7-3336.52	533.646	27.637	0.172	533.647	27.638	0.170	0.001	0.000	-0.002	0.002	+
D7-3336.53	533.623	25.965	0.171	533.624	25.966	0.169	0.001	0.000	-0.002	0.002	+
D7-3336.54	533.606	24.633	0.173	533.607	24.636	0.172	0.001	0.003	-0.001	0.003	+
D7-3336.55	533.465	24.407	0.171	533.466	24.408	0.169	0.001	0.000	-0.002	0.002	+
D7-3336.63	533.628	26.004	1.671	533.629	26.004	1.669	0.001	0.000	-0.002	0.002	+
D7-3337.35	533.443	24.409	-1.333	533.444	24.410	-1.335	0.001	0.000	-0.002	0.002	+
D7-3337.51	533.672	29.189	0.172	533.673	29.190	0.171	0.001	0.000	-0.002	0.002	+
D7-3337.52	533.646	27.637	0.172	533.647	27.638	0.170	0.001	0.000	-0.002	0.002	+
D7-3337.53	533.623	25.965	0.171	533.624	25.966	0.169	0.001	0.000	-0.002	0.002	+
D7-3337.55	533.465	24.407	0.171	533.466	24.408	0.169	0.001	0.000	-0.002	0.002	+
D7-3337.62	533.653	27.641	1.665	533.654	27.642	1.663	0.001	0.000	-0.002	0.002	+
D7-3337.63	533.628	26.004	1.671	533.629	26.004	1.669	0.001	0.000	-0.002	0.002	+
D7-VR-1.3	530.294	31.825	-1.235	530.295	31.825	-1.236	0.001	0.000	-0.001	0.002	+
D7-VR-1.4	530.296	31.826	-0.478	530.297	31.826	-0.479	0.001	0.000	-0.001	0.002	+
D7-VR-1.5	530.299	31.807	0.387	530.300	31.808	0.385	0.001	0.000	-0.001	0.002	+
D7-VR-1.6	530.304	31.799	1.234	530.305	31.800	1.232	0.001	0.000	-0.001	0.002	+
D7-VR-2.3	532.088	34.382	-1.248	532.089	34.383	-1.249	0.001	0.000	-0.001	0.002	+
D7-VR-2.4	532.034	34.383	-0.461	532.035	34.383	-0.463	0.001	0.000	-0.001	0.002	+
D7-VR-2.5	532.033	34.385	0.369	532.034	34.385	0.367	0.001	0.000	-0.001	0.002	+
D7-VR-2.6	532.037	34.385	1.237	532.038	34.385	1.235	0.001	0.000	-0.001	0.002	+
D7-VR-3.3	532.442	34.992	-1.211	532.443	34.992	-1.212	0.001	0.000	-0.001	0.002	+
D7-VR-3.4	532.445	35.028	-0.478	532.446	35.028	-0.480	0.001	0.000	-0.001	0.002	+
D7-VR-3.5	532.444	35.010	0.422	532.446	35.010	0.421	0.001	0.000	-0.002	0.002	+
D7-VR-3.6	532.443	35.076	1.310	532.444	35.076	1.309	0.001	0.000	-0.002	0.002	+
D7-VR-4.4	534.624	35.159	-0.577	534.625	35.159	-0.578	0.001	0.000	-0.002	0.002	+
D7-VR-4.5	534.638	35.159	0.655	534.639	35.159	0.654	0.001	0.000	-0.002	0.002	+
D8-2951.2	147.542	20.644	-1.465	147.542	20.650	-1.475	0.000	0.006	-0.010	0.012	+
D8-2951.3	147.976	20.741	-1.149	147.977	20.748	-1.159	0.000	0.006	-0.010	0.012	+
D8-2951.4	147.974	20.741	-0.410	147.974	20.747	-0.420	0.000	0.006	-0.010	0.012	+
D8-2951.5	147.955	20.742	0.330	147.955	20.749	0.320	0.000	0.006	-0.010	0.012	+
D8-2951.6	147.961	20.742	0.794	147.961	20.749	0.784	0.000	0.006	-0.010	0.012	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR Komplet::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta			Mag	
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	(m)	
D8-2954.1	151.087	17.195	-1.433	151.087	17.201	-1.443	0.000	0.006	-0.010	0.012	+
D8-2957.3	154.052	14.929	-1.194	154.052	14.936	-1.204	0.000	0.006	-0.010	0.012	+
D8-2957.4	154.055	14.924	-0.417	154.055	14.931	-0.427	0.000	0.006	-0.010	0.012	+
D8-2957.5	154.052	14.905	0.386	154.052	14.911	0.376	0.000	0.006	-0.010	0.012	+
D8-2957.6	154.053	14.940	0.889	154.053	14.946	0.880	0.000	0.006	-0.010	0.012	+
D8-2958.1	155.278	17.523	-1.417	155.278	17.529	-1.427	0.000	0.006	-0.010	0.012	+
D8-2958.2	154.508	20.499	-1.425	154.508	20.505	-1.435	0.000	0.006	-0.010	0.012	+
D8-2958.3	154.413	20.786	-1.180	154.413	20.792	-1.190	0.000	0.006	-0.010	0.012	+
D8-2958.4	154.416	20.786	-0.451	154.416	20.792	-0.461	0.000	0.006	-0.010	0.012	+
D8-2958.5	154.395	20.787	0.374	154.395	20.793	0.365	0.000	0.006	-0.010	0.012	+
D8-2958.6	154.402	20.786	0.859	154.402	20.793	0.849	0.000	0.006	-0.010	0.012	+
D8-2963.2	159.611	13.968	-1.419	159.611	13.974	-1.429	-0.000	0.006	-0.010	0.012	+
D8-2963.3	159.618	13.395	-1.161	159.618	13.401	-1.171	-0.000	0.006	-0.010	0.012	+
D8-2963.4	159.644	13.398	-0.405	159.644	13.404	-0.415	-0.000	0.006	-0.010	0.012	+
D8-2963.5	159.651	13.399	0.379	159.651	13.406	0.369	0.000	0.006	-0.010	0.012	+
D8-2963.6	159.635	13.401	0.855	159.635	13.407	0.845	0.000	0.006	-0.010	0.012	+
D8-2964.1	161.789	17.377	-1.423	161.789	17.383	-1.433	0.000	0.006	-0.010	0.011	+
D8-2964.2	161.082	20.331	-1.422	161.082	20.337	-1.431	0.000	0.006	-0.010	0.011	+
D8-2964.3	160.902	20.839	-1.144	160.902	20.845	-1.154	0.000	0.006	-0.010	0.012	+
D8-2964.4	160.881	20.837	-0.471	160.881	20.843	-0.481	0.000	0.006	-0.010	0.012	+
D8-2964.5	160.879	20.840	0.344	160.879	20.846	0.334	0.000	0.006	-0.010	0.012	+
D8-2964.6	160.880	20.840	0.897	160.881	20.846	0.887	0.000	0.006	-0.010	0.012	+
D8-2970.3	167.086	16.176	-1.189	167.086	16.182	-1.199	0.000	0.006	-0.010	0.012	+
D8-2970.4	167.084	15.987	-0.697	167.084	15.993	-0.707	0.000	0.006	-0.010	0.012	+
D8-2970.5	167.086	15.982	0.373	167.086	15.988	0.363	0.000	0.006	-0.010	0.012	+
D8-2970.6	167.100	16.541	1.404	167.101	16.547	1.394	0.000	0.006	-0.010	0.012	+
D8-2970.7	167.150	18.464	2.091	167.150	18.470	2.082	0.000	0.006	-0.010	0.012	+
D8-2970.8	167.190	20.062	1.099	167.190	20.068	1.089	0.000	0.006	-0.010	0.011	+
D8-2970.9	167.193	20.413	0.167	167.193	20.419	0.157	0.000	0.006	-0.010	0.012	+
D8-2979.3	176.095	15.962	-1.205	176.096	15.968	-1.215	0.000	0.006	-0.010	0.011	+
D8-2979.4	176.090	15.763	-0.716	176.090	15.769	-0.726	0.000	0.006	-0.010	0.011	+
D8-2979.5	176.090	15.733	0.355	176.090	15.739	0.345	0.000	0.006	-0.010	0.011	+
D8-2979.6	176.100	16.283	1.403	176.101	16.289	1.393	0.000	0.006	-0.010	0.011	+
D8-2979.7	176.136	18.243	2.115	176.136	18.249	2.105	0.000	0.006	-0.010	0.011	+
D8-2979.8	176.171	19.844	1.101	176.172	19.850	1.092	0.000	0.006	-0.010	0.011	+
D8-2979.9	176.184	20.191	0.104	176.184	20.197	0.094	0.000	0.006	-0.010	0.011	+
D8-2988.3	185.078	15.733	-1.192	185.079	15.739	-1.201	0.000	0.006	-0.010	0.011	+
D8-2988.4	185.075	15.535	-0.704	185.075	15.541	-0.713	0.000	0.006	-0.010	0.011	+
D8-2988.5	185.070	15.509	0.371	185.070	15.515	0.362	0.000	0.006	-0.010	0.011	+
D8-2988.6	185.084	16.055	1.411	185.084	16.061	1.402	0.000	0.006	-0.010	0.011	+
D8-2988.7	185.135	17.991	2.126	185.135	17.997	2.117	0.000	0.006	-0.010	0.011	+
D8-2988.8	185.185	19.627	1.097	185.185	19.633	1.087	0.000	0.006	-0.010	0.011	+
D8-2988.9	185.193	19.962	0.158	185.193	19.968	0.149	0.000	0.006	-0.010	0.011	+
D8-2997.3	194.095	15.513	-1.198	194.095	15.518	-1.208	0.000	0.005	-0.009	0.011	+
D8-2997.4	194.092	15.312	-0.711	194.092	15.317	-0.721	0.000	0.005	-0.010	0.011	+
D8-2997.5	194.089	15.283	0.366	194.089	15.288	0.357	0.000	0.005	-0.009	0.011	+
D8-2997.6	194.099	15.820	1.402	194.099	15.825	1.393	0.000	0.006	-0.010	0.011	+
D8-2997.7	194.136	17.767	2.138	194.136	17.773	2.128	0.000	0.006	-0.009	0.011	+
D8-2997.8	194.171	19.408	1.093	194.171	19.414	1.084	0.000	0.005	-0.009	0.011	+
D8-2997.9	194.177	19.738	0.151	194.178	19.744	0.141	0.000	0.005	-0.009	0.011	+
D8-3006.3	203.080	15.307	-1.208	203.080	15.312	-1.218	0.000	0.005	-0.010	0.011	+
D8-3006.4	203.076	15.101	-0.724	203.076	15.107	-0.733	0.000	0.005	-0.010	0.011	+
D8-3006.5	203.071	15.058	0.351	203.071	15.064	0.341	0.000	0.005	-0.010	0.011	+
D8-3006.6	203.081	15.588	1.400	203.082	15.593	1.390	0.000	0.005	-0.010	0.011	+
D8-3006.7	203.137	17.565	2.139	203.137	17.570	2.129	0.000	0.005	-0.010	0.011	+
D8-3006.8	203.184	19.190	1.099	203.184	19.195	1.089	0.000	0.005	-0.010	0.011	+
D8-3006.9	203.194	19.525	0.098	203.194	19.530	0.088	0.000	0.005	-0.010	0.011	+
D8-3015.3	212.080	15.083	-1.208	212.080	15.088	-1.218	0.000	0.005	-0.010	0.011	+
D8-3015.4	212.074	14.874	-0.717	212.074	14.879	-0.727	0.000	0.005	-0.010	0.011	+
D8-3015.5	212.068	14.833	0.358	212.069	14.838	0.348	0.000	0.005	-0.010	0.011	+
D8-3015.6	212.080	15.371	1.411	212.080	15.376	1.401	0.000	0.005	-0.010	0.011	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR_Komplett::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta			Mag	
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	(m)	
D8-3015.7	212.132	17.325	2.145	212.132	17.330	2.135	0.000	0.005	-0.010	0.011	+
D8-3015.8	212.180	18.971	1.094	212.181	18.976	1.084	0.000	0.005	-0.010	0.011	+
D8-3015.9	212.191	19.298	0.114	212.192	19.303	0.105	0.000	0.005	-0.010	0.011	+
D8-3024.3	221.068	14.839	-1.202	221.068	14.844	-1.212	0.000	0.005	-0.010	0.011	+
D8-3024.4	221.062	14.631	-0.711	221.062	14.636	-0.721	0.000	0.005	-0.010	0.011	+
D8-3024.5	221.060	14.590	0.357	221.060	14.595	0.347	0.000	0.005	-0.010	0.011	+
D8-3024.6	221.073	15.120	1.405	221.074	15.125	1.395	0.000	0.005	-0.010	0.011	+
D8-3024.7	221.137	17.091	2.146	221.138	17.095	2.136	0.000	0.005	-0.010	0.011	+
D8-3024.8	221.188	18.725	1.094	221.188	18.730	1.084	0.000	0.005	-0.010	0.011	+
D8-3024.9	221.197	19.056	0.105	221.197	19.061	0.095	0.000	0.005	-0.010	0.011	+
D8-3033.3	230.095	14.614	-1.197	230.095	14.618	-1.207	0.000	0.004	-0.010	0.011	+
D8-3033.4	230.090	14.407	-0.704	230.090	14.412	-0.714	0.000	0.004	-0.010	0.011	+
D8-3033.5	230.082	14.372	0.367	230.082	14.377	0.358	0.000	0.004	-0.010	0.011	+
D8-3033.6	230.084	14.907	1.412	230.085	14.912	1.402	0.000	0.004	-0.010	0.011	+
D8-3033.7	230.118	16.870	2.148	230.118	16.875	2.137	0.000	0.005	-0.010	0.011	+
D8-3033.8	230.158	18.506	1.097	230.159	18.510	1.087	0.000	0.005	-0.010	0.011	+
D8-3033.9	230.171	18.831	0.146	230.171	18.835	0.136	0.000	0.005	-0.010	0.011	+
D8-3042.3	239.067	14.416	-1.197	239.067	14.420	-1.207	0.000	0.004	-0.010	0.011	+
D8-3042.4	239.064	14.204	-0.717	239.064	14.208	-0.727	0.000	0.004	-0.010	0.011	+
D8-3042.5	239.065	14.144	0.355	239.065	14.148	0.345	0.000	0.004	-0.010	0.011	+
D8-3042.6	239.079	14.658	1.411	239.079	14.662	1.401	0.000	0.004	-0.010	0.011	+
D8-3042.7	239.140	16.646	2.173	239.140	16.651	2.163	0.000	0.004	-0.010	0.011	+
D8-3042.8	239.183	18.298	1.101	239.183	18.303	1.091	0.000	0.004	-0.010	0.011	+
D8-3042.9	239.189	18.615	0.151	239.189	18.619	0.141	0.000	0.004	-0.010	0.011	+
D8-3051.3	248.081	14.190	-1.207	248.081	14.194	-1.217	-0.000	0.004	-0.010	0.010	+
D8-3051.4	248.081	13.983	-0.713	248.081	13.987	-0.723	-0.000	0.004	-0.010	0.011	+
D8-3051.5	248.085	13.943	0.356	248.085	13.947	0.346	-0.000	0.004	-0.010	0.011	+
D8-3051.6	248.099	14.474	1.403	248.099	14.477	1.393	-0.000	0.004	-0.010	0.011	+
D8-3051.7	248.139	16.437	2.141	248.139	16.440	2.130	0.000	0.004	-0.010	0.011	+
D8-3051.8	248.168	18.079	1.097	248.168	18.083	1.087	0.000	0.004	-0.010	0.011	+
D8-3051.9	248.168	18.404	0.150	248.168	18.408	0.140	0.000	0.004	-0.010	0.011	+
D8-3060.3	257.064	13.958	-1.212	257.064	13.961	-1.221	0.000	0.003	-0.010	0.010	+
D8-3060.4	257.060	13.750	-0.721	257.060	13.753	-0.731	-0.000	0.003	-0.010	0.010	+
D8-3060.5	257.057	13.710	0.353	257.057	13.713	0.343	-0.000	0.003	-0.010	0.010	+
D8-3060.6	257.072	14.242	1.399	257.072	14.246	1.389	-0.000	0.003	-0.010	0.010	+
D8-3060.7	257.132	16.206	2.137	257.132	16.210	2.127	-0.000	0.004	-0.010	0.011	+
D8-3060.8	257.183	17.833	1.103	257.183	17.837	1.093	0.000	0.004	-0.010	0.010	+
D8-3060.9	257.191	18.150	0.262	257.191	18.154	0.252	0.000	0.004	-0.010	0.010	+
D8-3069.3	266.075	13.735	-1.205	266.075	13.738	-1.214	-0.000	0.003	-0.009	0.009	+
D8-3069.4	266.071	13.532	-0.718	266.071	13.535	-0.726	-0.000	0.003	-0.009	0.009	+
D8-3069.5	266.070	13.498	0.362	266.070	13.501	0.353	-0.000	0.003	-0.009	0.009	+
D8-3069.6	266.081	14.043	1.413	266.081	14.046	1.404	-0.000	0.003	-0.009	0.009	+
D8-3069.7	266.126	15.990	2.128	266.126	15.993	2.118	-0.000	0.003	-0.009	0.010	+
D8-3069.8	266.167	17.618	1.096	266.167	17.621	1.087	0.000	0.003	-0.009	0.010	+
D8-3069.9	266.171	17.953	0.159	266.171	17.957	0.150	0.000	0.004	-0.009	0.010	+
D8-3078.3	275.075	13.521	-1.207	275.075	13.524	-1.215	-0.000	0.003	-0.008	0.009	+
D8-3078.4	275.070	13.317	-0.720	275.070	13.320	-0.728	-0.000	0.003	-0.008	0.009	+
D8-3078.5	275.065	13.278	0.355	275.065	13.281	0.347	-0.000	0.003	-0.008	0.009	+
D8-3078.6	275.076	13.814	1.407	275.076	13.817	1.399	-0.000	0.003	-0.008	0.009	+
D8-3078.7	275.118	15.782	2.133	275.118	15.785	2.125	-0.000	0.003	-0.008	0.009	+
D8-3078.8	275.161	17.406	1.096	275.161	17.410	1.088	-0.000	0.003	-0.008	0.009	+
D8-3078.9	275.172	17.734	0.158	275.172	17.737	0.150	-0.000	0.003	-0.008	0.009	+
D8-3087.3	284.060	13.279	-1.209	284.060	13.281	-1.217	-0.000	0.003	-0.008	0.008	+
D8-3087.4	284.057	13.076	-0.721	284.057	13.079	-0.729	-0.000	0.003	-0.008	0.009	+
D8-3087.5	284.058	13.045	0.357	284.058	13.048	0.349	-0.000	0.003	-0.008	0.008	+
D8-3087.6	284.073	13.594	1.403	284.073	13.597	1.395	-0.000	0.003	-0.008	0.008	+
D8-3087.7	284.128	15.545	2.119	284.128	15.547	2.112	-0.000	0.003	-0.008	0.008	+
D8-3087.8	284.178	17.157	1.105	284.178	17.160	1.097	-0.000	0.003	-0.008	0.008	+
D8-3087.9	284.181	17.507	0.095	284.181	17.510	0.087	0.000	0.003	-0.008	0.008	+
D8-3096.3	293.066	13.067	-1.200	293.066	13.069	-1.207	-0.000	0.002	-0.007	0.008	+
D8-3096.4	293.059	12.864	-0.710	293.059	12.866	-0.717	-0.000	0.002	-0.007	0.008	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR Komplet::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta				
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	Mag (m)	
D8-3096.5	293.052	12.832	0.368	293.052	12.834	0.361	-0.000	0.002	-0.007	0.008	+
D8-3096.6	293.064	13.376	1.409	293.064	13.379	1.402	-0.000	0.003	-0.008	0.008	+
D8-3096.7	293.110	15.308	2.132	293.109	15.311	2.124	-0.000	0.003	-0.008	0.008	+
D8-3096.8	293.159	16.950	1.099	293.159	16.953	1.092	-0.000	0.003	-0.008	0.008	+
D8-3096.9	293.167	17.289	0.152	293.167	17.292	0.144	-0.000	0.003	-0.008	0.008	+
D8-3105.3	302.060	12.846	-1.204	302.060	12.849	-1.211	0.000	0.002	-0.007	0.007	+
D8-3105.4	302.057	12.645	-0.722	302.057	12.647	-0.729	-0.000	0.002	-0.007	0.007	+
D8-3105.5	302.056	12.604	0.352	302.056	12.606	0.345	-0.000	0.002	-0.007	0.007	+
D8-3105.6	302.071	13.137	1.401	302.071	13.139	1.394	-0.000	0.002	-0.007	0.007	+
D8-3105.7	302.120	15.103	2.131	302.120	15.105	2.124	-0.000	0.002	-0.007	0.007	+
D8-3105.8	302.162	16.732	1.090	302.162	16.735	1.083	-0.000	0.002	-0.007	0.008	+
D8-3105.9	302.166	17.062	0.151	302.166	17.065	0.143	0.000	0.002	-0.007	0.008	+
D8-3114.3	311.068	12.638	-1.203	311.068	12.640	-1.210	0.000	0.002	-0.007	0.007	+
D8-3114.4	311.065	12.437	-0.717	311.065	12.439	-0.724	0.000	0.002	-0.007	0.007	+
D8-3114.5	311.065	12.403	0.362	311.065	12.405	0.355	0.000	0.002	-0.007	0.007	+
D8-3114.6	311.075	12.940	1.403	311.075	12.942	1.396	-0.000	0.002	-0.007	0.007	+
D8-3114.7	311.112	14.899	2.133	311.112	14.901	2.127	-0.000	0.002	-0.007	0.007	+
D8-3114.8	311.143	16.527	1.094	311.143	16.529	1.088	0.000	0.002	-0.007	0.007	+
D8-3114.9	311.152	16.859	0.113	311.152	16.861	0.106	0.000	0.002	-0.007	0.007	+
D8-3123.3	320.052	12.372	-1.204	320.052	12.373	-1.209	0.000	0.002	-0.006	0.006	+
D8-3123.4	320.047	12.175	-0.720	320.047	12.177	-0.726	0.000	0.002	-0.006	0.006	+
D8-3123.5	320.041	12.150	0.359	320.041	12.152	0.353	0.000	0.002	-0.006	0.006	+
D8-3123.6	320.058	12.667	1.365	320.058	12.669	1.359	-0.000	0.002	-0.006	0.006	+
D8-3123.7	320.113	14.645	2.109	320.113	14.647	2.103	-0.000	0.002	-0.006	0.006	+
D8-3123.8	320.153	16.259	1.094	320.153	16.261	1.089	0.000	0.002	-0.006	0.006	+
D8-3123.9	320.164	16.602	0.151	320.164	16.604	0.146	0.000	0.002	-0.006	0.006	+
D8-3132.3	329.048	12.160	-1.198	329.048	12.162	-1.203	0.000	0.002	-0.005	0.005	+
D8-3132.4	329.044	11.961	-0.706	329.044	11.963	-0.711	0.000	0.002	-0.005	0.005	+
D8-3132.5	329.042	11.937	0.367	329.042	11.938	0.363	0.000	0.002	-0.005	0.005	+
D8-3132.6	329.053	12.493	1.412	329.053	12.494	1.407	0.000	0.002	-0.005	0.005	+
D8-3132.7	329.103	14.424	2.113	329.103	14.426	2.108	0.000	0.002	-0.005	0.005	+
D8-3132.8	329.152	16.045	1.095	329.152	16.046	1.090	0.000	0.002	-0.005	0.005	+
D8-3132.9	329.161	16.386	0.160	329.161	16.388	0.155	0.000	0.002	-0.005	0.005	+
D8-3141.3	338.055	11.947	-1.209	338.055	11.949	-1.214	0.000	0.001	-0.004	0.005	+
D8-3141.4	338.051	11.746	-0.720	338.052	11.748	-0.725	0.000	0.001	-0.004	0.005	+
D8-3141.5	338.047	11.718	0.363	338.047	11.719	0.358	0.000	0.001	-0.004	0.005	+
D8-3141.6	338.064	12.230	1.365	338.064	12.231	1.361	0.000	0.001	-0.004	0.005	+
D8-3141.7	338.110	14.211	2.116	338.110	14.213	2.111	0.000	0.002	-0.005	0.005	+
D8-3141.8	338.145	15.831	1.098	338.145	15.833	1.093	0.000	0.002	-0.005	0.005	+
D8-3141.9	338.155	16.171	0.161	338.155	16.172	0.156	0.000	0.002	-0.005	0.005	+
D8-3150.3	347.041	11.738	-1.202	347.041	11.739	-1.206	0.000	0.001	-0.004	0.004	+
D8-3150.4	347.035	11.540	-0.715	347.035	11.541	-0.719	0.000	0.001	-0.004	0.004	+
D8-3150.5	347.034	11.516	0.363	347.035	11.517	0.360	0.000	0.001	-0.004	0.004	+
D8-3150.6	347.048	12.067	1.399	347.048	12.068	1.395	0.000	0.001	-0.004	0.004	+
D8-3150.7	347.108	13.975	2.115	347.108	13.976	2.111	0.000	0.001	-0.004	0.004	+
D8-3150.8	347.160	15.624	1.092	347.160	15.625	1.088	0.000	0.001	-0.004	0.005	+
D8-3150.9	347.167	15.969	0.100	347.167	15.970	0.095	0.000	0.001	-0.004	0.005	+
D8-3159.3	356.054	11.515	-1.207	356.054	11.516	-1.210	0.000	0.001	-0.003	0.004	+
D8-3159.4	356.051	11.316	-0.712	356.051	11.317	-0.715	0.000	0.001	-0.003	0.004	+
D8-3159.5	356.051	11.296	0.361	356.051	11.297	0.357	0.000	0.001	-0.003	0.004	+
D8-3159.6	356.061	11.808	1.352	356.062	11.809	1.348	0.000	0.001	-0.003	0.004	+
D8-3159.7	356.101	13.793	2.106	356.102	13.794	2.102	0.000	0.001	-0.004	0.004	+
D8-3159.8	356.138	15.398	1.094	356.139	15.399	1.090	0.000	0.001	-0.004	0.004	+
D8-3159.9	356.143	15.744	0.156	356.144	15.745	0.152	0.000	0.001	-0.004	0.004	+
D8-3168.3	365.045	11.287	-1.209	365.046	11.288	-1.213	0.000	0.001	-0.003	0.003	+
D8-3168.4	365.041	11.086	-0.721	365.042	11.087	-0.724	0.000	0.001	-0.003	0.003	+
D8-3168.5	365.038	11.057	0.351	365.039	11.058	0.348	0.000	0.001	-0.003	0.003	+
D8-3168.6	365.050	11.606	1.399	365.050	11.607	1.396	0.000	0.001	-0.003	0.003	+
D8-3168.7	365.097	13.558	2.113	365.098	13.560	2.110	0.000	0.001	-0.004	0.004	+
D8-3168.8	365.140	15.167	1.101	365.141	15.168	1.097	0.000	0.001	-0.004	0.004	+
D8-3168.9	365.148	15.511	0.100	365.148	15.512	0.096	0.000	0.001	-0.004	0.004	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR_Komplett::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta				
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	Mag (m)	
D8-3177.3	374.030	11.061	-1.206	374.031	11.062	-1.209	0.000	0.001	-0.003	0.003	+
D8-3177.4	374.030	10.861	-0.722	374.031	10.861	-0.725	0.000	0.001	-0.003	0.003	+
D8-3177.5	374.033	10.830	0.356	374.033	10.831	0.353	0.000	0.001	-0.003	0.003	+
D8-3177.6	374.056	11.368	1.396	374.057	11.369	1.393	0.000	0.001	-0.003	0.003	+
D8-3177.7	374.112	13.308	2.114	374.112	13.309	2.111	0.000	0.001	-0.003	0.004	+
D8-3177.8	374.147	14.945	1.094	374.148	14.947	1.090	0.000	0.001	-0.003	0.004	+
D8-3177.9	374.150	15.288	0.147	374.150	15.290	0.144	0.000	0.001	-0.003	0.004	+
D8-3186.3	383.036	10.812	-1.203	383.037	10.812	-1.206	0.001	0.001	-0.003	0.003	+
D8-3186.4	383.033	10.615	-0.721	383.033	10.616	-0.723	0.001	0.001	-0.003	0.003	+
D8-3186.5	383.029	10.590	0.358	383.029	10.591	0.355	0.001	0.001	-0.003	0.003	+
D8-3186.6	383.039	11.134	1.397	383.040	11.135	1.394	0.000	0.001	-0.003	0.003	+
D8-3186.7	383.080	13.043	2.115	383.081	13.044	2.112	0.000	0.001	-0.003	0.003	+
D8-3186.8	383.127	14.694	1.101	383.127	14.695	1.098	0.001	0.001	-0.003	0.003	+
D8-3186.9	383.139	15.041	0.158	383.139	15.042	0.155	0.001	0.001	-0.003	0.003	+
D8-3195.3	392.032	10.601	-1.206	392.032	10.601	-1.208	0.001	0.001	-0.002	0.002	+
D8-3195.4	392.029	10.405	-0.718	392.030	10.406	-0.721	0.001	0.001	-0.002	0.002	+
D8-3195.5	392.028	10.386	0.363	392.028	10.387	0.361	0.001	0.001	-0.002	0.002	+
D8-3195.6	392.040	10.940	1.396	392.040	10.941	1.393	0.001	0.001	-0.002	0.002	+
D8-3195.7	392.089	12.861	2.097	392.089	12.862	2.095	0.001	0.001	-0.003	0.003	+
D8-3195.8	392.131	14.496	1.081	392.132	14.497	1.079	0.001	0.001	-0.003	0.003	+
D8-3195.9	392.140	14.837	0.147	392.141	14.838	0.144	0.001	0.001	-0.003	0.003	+
D8-3204.3	401.024	10.351	-1.213	401.024	10.352	-1.215	0.001	0.001	-0.002	0.002	+
D8-3204.4	401.020	10.154	-0.727	401.021	10.155	-0.728	0.001	0.001	-0.002	0.002	+
D8-3204.5	401.020	10.135	0.357	401.021	10.135	0.355	0.001	0.001	-0.002	0.002	+
D8-3204.6	401.034	10.683	1.388	401.035	10.684	1.387	0.001	0.001	-0.002	0.002	+
D8-3204.7	401.089	12.631	2.094	401.089	12.632	2.092	0.001	0.001	-0.002	0.002	+
D8-3204.8	401.134	14.228	1.098	401.135	14.229	1.096	0.001	0.001	-0.002	0.003	+
D8-3204.9	401.141	14.590	0.080	401.142	14.591	0.078	0.001	0.001	-0.002	0.003	+
D8-3213.3	410.034	10.130	-1.206	410.034	10.131	-1.207	0.001	0.001	-0.001	0.002	+
D8-3213.4	410.030	9.938	-0.714	410.030	9.938	-0.715	0.001	0.001	-0.001	0.002	+
D8-3213.5	410.028	9.927	0.361	410.029	9.928	0.359	0.001	0.001	-0.001	0.002	+
D8-3213.6	410.040	10.490	1.396	410.041	10.491	1.394	0.001	0.001	-0.001	0.002	+
D8-3213.7	410.072	12.389	2.084	410.073	12.389	2.083	0.001	0.001	-0.002	0.002	+
D8-3213.8	410.114	14.006	1.100	410.115	14.007	1.098	0.001	0.001	-0.002	0.002	+
D8-3213.9	410.123	14.364	0.165	410.123	14.365	0.164	0.001	0.001	-0.002	0.002	+
D8-3222.3	419.023	9.913	-1.198	419.024	9.914	-1.199	0.001	0.000	-0.001	0.001	+
D8-3222.4	419.017	9.718	-0.704	419.018	9.719	-0.705	0.001	0.000	-0.001	0.001	+
D8-3222.5	419.012	9.704	0.369	419.012	9.705	0.368	0.001	0.000	-0.001	0.001	+
D8-3222.6	419.022	10.260	1.399	419.023	10.260	1.398	0.001	0.001	-0.001	0.001	+
D8-3222.7	419.066	12.165	2.098	419.067	12.166	2.097	0.001	0.001	-0.001	0.002	+
D8-3222.8	419.117	13.795	1.097	419.118	13.796	1.095	0.001	0.001	-0.001	0.002	+
D8-3222.9	419.130	14.145	0.158	419.130	14.146	0.156	0.001	0.001	-0.002	0.002	+
D8-3231.3	428.015	9.693	-1.202	428.016	9.693	-1.202	0.001	0.000	-0.001	0.001	+
D8-3231.4	428.010	9.496	-0.710	428.011	9.496	-0.711	0.001	0.000	-0.001	0.001	+
D8-3231.5	428.004	9.478	0.369	428.005	9.478	0.369	0.001	0.000	-0.001	0.001	+
D8-3231.6	428.017	10.028	1.400	428.018	10.029	1.399	0.001	0.000	-0.001	0.001	+
D8-3231.7	428.071	11.957	2.109	428.072	11.957	2.108	0.001	0.001	-0.001	0.001	+
D8-3231.8	428.126	13.581	1.090	428.127	13.581	1.089	0.001	0.001	-0.001	0.002	+
D8-3231.9	428.137	13.925	0.151	428.138	13.925	0.150	0.001	0.000	-0.001	0.002	+
D8-3240.3	437.014	9.488	-1.201	437.016	9.488	-1.201	0.001	0.000	-0.000	0.001	+
D8-3240.4	437.012	9.284	-0.714	437.013	9.284	-0.714	0.001	0.000	-0.000	0.001	+
D8-3240.5	437.013	9.246	0.359	437.014	9.246	0.359	0.001	0.000	-0.000	0.001	+
D8-3240.6	437.031	9.763	1.384	437.032	9.764	1.384	0.001	0.000	-0.000	0.001	+
D8-3240.7	437.080	11.754	2.139	437.081	11.755	2.138	0.001	0.000	-0.001	0.001	+
D8-3240.8	437.120	13.374	1.099	437.121	13.374	1.098	0.001	0.000	-0.001	0.001	+
D8-3240.9	437.126	13.705	0.155	437.127	13.706	0.154	0.001	0.000	-0.001	0.001	+
D8-3249.3	446.015	9.267	-1.202	446.016	9.267	-1.202	0.001	0.000	-0.000	0.001	+
D8-3249.4	446.007	9.067	-0.716	446.008	9.067	-0.717	0.001	0.000	-0.000	0.001	+
D8-3249.5	446.001	9.037	0.361	446.002	9.037	0.361	0.001	0.000	-0.000	0.001	+
D8-3249.6	446.009	9.552	1.371	446.010	9.552	1.371	0.001	0.000	-0.000	0.001	+
D8-3249.7	446.066	11.538	2.120	446.067	11.538	2.119	0.001	0.000	-0.000	0.001	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR_Komplett::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta				
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	Mag (m)	
D8-3249.8	446.118	13.152	1.098	446.119	13.152	1.097	0.001	0.000	-0.001	0.001	+
D8-3249.9	446.132	13.490	0.153	446.133	13.490	0.152	0.001	0.000	-0.001	0.001	+
D8-3258.3	455.016	9.015	-1.201	455.017	9.015	-1.202	0.001	0.000	-0.000	0.001	+
D8-3258.4	455.013	8.813	-0.714	455.014	8.814	-0.714	0.001	0.000	-0.000	0.001	+
D8-3258.5	455.010	8.781	0.356	455.011	8.781	0.356	0.001	0.000	-0.000	0.001	+
D8-3258.6	455.019	9.313	1.399	455.020	9.314	1.399	0.001	0.000	-0.000	0.001	+
D8-3258.7	455.069	11.307	2.130	455.070	11.307	2.130	0.001	0.000	-0.000	0.001	+
D8-3258.8	455.109	12.905	1.103	455.110	12.906	1.102	0.001	0.000	-0.001	0.001	+
D8-3258.9	455.115	13.247	0.116	455.116	13.248	0.115	0.001	0.000	-0.001	0.001	+
D8-3267.3	464.015	8.828	-1.197	464.016	8.829	-1.198	0.001	0.000	-0.000	0.001	+
D8-3267.4	464.008	8.625	-0.707	464.009	8.625	-0.707	0.001	0.000	-0.000	0.001	+
D8-3267.5	463.999	8.592	0.365	464.000	8.592	0.365	0.001	0.000	-0.000	0.001	+
D8-3267.6	464.008	9.130	1.414	464.009	9.130	1.414	0.001	0.000	-0.000	0.001	+
D8-3267.7	464.051	11.069	2.135	464.052	11.069	2.135	0.001	0.000	-0.000	0.001	+
D8-3267.8	464.104	12.720	1.092	464.105	12.720	1.091	0.001	0.000	-0.001	0.001	+
D8-3267.9	464.117	13.047	0.149	464.118	13.048	0.148	0.001	0.000	-0.001	0.001	+
D8-3276.3	472.998	8.581	-1.195	472.999	8.582	-1.195	0.001	0.000	-0.001	0.001	+
D8-3276.4	472.996	8.386	-0.708	472.997	8.386	-0.709	0.001	0.000	-0.001	0.001	+
D8-3276.5	472.993	8.365	0.368	472.995	8.366	0.367	0.001	0.000	-0.000	0.001	+
D8-3276.6	473.012	8.879	1.370	473.013	8.879	1.370	0.001	0.000	-0.000	0.001	+
D8-3276.7	473.070	10.859	2.116	473.071	10.860	2.115	0.001	0.001	-0.001	0.001	+
D8-3276.8	473.109	12.466	1.098	473.110	12.466	1.097	0.001	0.001	-0.001	0.002	+
D8-3276.9	473.121	12.808	0.161	473.122	12.808	0.160	0.001	0.001	-0.001	0.002	+
D8-3285.3	482.007	8.355	-1.208	482.008	8.355	-1.209	0.001	0.000	-0.001	0.001	+
D8-3285.4	482.001	8.162	-0.721	482.002	8.162	-0.722	0.001	0.000	-0.001	0.001	+
D8-3285.5	481.994	8.146	0.361	481.996	8.146	0.360	0.001	0.001	-0.001	0.001	+
D8-3285.6	482.010	8.666	1.362	482.011	8.666	1.362	0.001	0.001	-0.001	0.001	+
D8-3285.7	482.055	10.638	2.099	482.057	10.639	2.098	0.001	0.001	-0.001	0.002	+
D8-3285.8	482.096	12.228	1.104	482.097	12.228	1.103	0.001	0.001	-0.001	0.002	+
D8-3285.9	482.110	12.583	0.158	482.111	12.584	0.157	0.001	0.001	-0.001	0.002	+
D8-3294.3	490.993	8.129	-1.203	490.994	8.130	-1.203	0.001	0.000	-0.001	0.001	+
D8-3294.4	490.988	7.933	-0.711	490.989	7.934	-0.712	0.001	0.000	-0.001	0.002	+
D8-3294.5	490.985	7.912	0.355	490.986	7.912	0.354	0.001	0.000	-0.001	0.002	+
D8-3294.6	491.004	8.445	1.381	491.005	8.446	1.380	0.001	0.001	-0.001	0.002	+
D8-3294.7	491.060	10.399	2.110	491.061	10.400	2.109	0.001	0.001	-0.001	0.002	+
D8-3294.8	491.103	12.011	1.098	491.104	12.012	1.097	0.001	0.001	-0.001	0.002	+
D8-3294.9	491.114	12.356	0.164	491.115	12.357	0.163	0.001	0.001	-0.001	0.002	+
D8-3303.3	500.001	7.903	-1.190	500.002	7.904	-1.192	0.001	0.000	-0.002	0.002	+
D8-3303.4	500.001	7.714	-0.695	500.002	7.715	-0.697	0.001	0.000	-0.002	0.002	+
D8-3303.5	500.004	7.711	0.377	500.005	7.711	0.375	0.001	0.001	-0.002	0.003	+
D8-3303.6	500.023	8.262	1.396	500.024	8.263	1.393	0.001	0.001	-0.003	0.003	+
D8-3303.7	500.065	10.197	2.096	500.066	10.197	2.093	0.000	0.000	-0.003	0.003	+
D8-3303.8	500.095	11.783	1.112	500.096	11.784	1.109	0.000	0.001	-0.003	0.003	+
D8-3303.9	500.100	12.138	0.185	500.100	12.139	0.182	0.000	0.000	-0.002	0.003	+
D8-3312.3	508.996	7.685	-1.215	508.997	7.686	-1.217	0.001	0.001	-0.002	0.002	+
D8-3312.4	508.990	7.488	-0.719	508.990	7.488	-0.721	0.001	0.000	-0.002	0.002	+
D8-3312.5	508.985	7.473	0.360	508.986	7.474	0.358	0.001	0.000	-0.002	0.002	+
D8-3312.6	508.993	8.009	1.369	508.994	8.010	1.367	0.001	0.001	-0.002	0.002	+
D8-3312.7	509.043	9.966	2.089	509.044	9.967	2.087	0.001	0.001	-0.002	0.002	+
D8-3312.8	509.091	11.560	1.100	509.092	11.561	1.098	0.001	0.001	-0.002	0.002	+
D8-3312.9	509.102	11.927	0.059	509.103	11.928	0.057	0.001	0.001	-0.002	0.002	+
D8-3321.3	517.993	7.470	-1.197	517.994	7.471	-1.199	0.001	0.000	-0.002	0.002	+
D8-3321.4	517.987	7.268	-0.700	517.987	7.268	-0.702	0.001	0.000	-0.002	0.002	+
D8-3321.5	517.983	7.242	0.371	517.984	7.243	0.369	0.000	0.000	-0.002	0.002	+
D8-3321.6	517.992	7.723	1.339	517.992	7.724	1.337	0.000	0.001	-0.002	0.002	+
D8-3321.7	518.045	9.736	2.130	518.045	9.736	2.128	0.001	0.001	-0.002	0.003	+
D8-3321.8	518.094	11.356	1.118	518.095	11.357	1.115	0.001	0.001	-0.002	0.002	+
D8-3321.9	518.103	11.702	0.114	518.104	11.703	0.112	0.001	0.001	-0.002	0.002	+
D8-3330.3	526.993	7.261	-1.214	526.994	7.261	-1.216	0.001	0.001	-0.001	0.002	+
D8-3330.4	526.991	7.054	-0.725	526.992	7.055	-0.726	0.001	0.001	-0.001	0.002	+
D8-3330.5	526.991	7.015	0.359	526.992	7.015	0.358	0.001	0.001	-0.002	0.002	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR Komplett::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta			Mag	
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	(m)	
D8-3330.6	527.006	7.532	1.391	527.007	7.533	1.389	0.001	0.001	-0.001	0.002	+
D8-3330.7	527.049	9.514	2.137	527.051	9.515	2.135	0.001	0.001	-0.001	0.002	+
D8-3330.8	527.088	11.130	1.113	527.089	11.130	1.111	0.002	0.001	-0.002	0.002	+
D8-3330.9	527.092	11.466	0.179	527.094	11.467	0.178	0.001	0.000	-0.002	0.002	+
D8-3333.3	530.057	6.883	-1.349	530.058	6.884	-1.351	0.001	0.001	-0.002	0.002	+
D8-3334.3	531.242	6.874	-1.374	531.247	6.875	-1.374	0.006	0.001	-0.001	0.006	+
D8-3334.5	531.227	6.872	0.134	531.229	6.873	0.132	0.001	0.001	-0.002	0.002	+
D8-3334.8	531.707	11.848	0.142	531.708	11.848	0.140	0.001	0.001	-0.002	0.002	+
D8-3337.34	533.417	11.597	-1.366	533.418	11.598	-1.368	0.001	0.001	-0.002	0.002	+
D8-3337.35	533.104	11.828	-1.367	533.105	11.828	-1.369	0.001	0.001	-0.002	0.002	+
D8-3337.51	533.360	7.224	0.137	533.361	7.225	0.135	0.001	0.001	-0.002	0.002	+
D8-3337.52	533.373	8.860	0.140	533.375	8.861	0.138	0.001	0.001	-0.002	0.002	+
D8-3337.53	533.388	10.260	0.142	533.390	10.261	0.140	0.001	0.001	-0.002	0.002	+
D8-3337.54	533.413	11.587	0.140	533.414	11.587	0.138	0.001	0.001	-0.002	0.002	+
D8-3337.55	533.117	11.830	0.135	533.118	11.830	0.133	0.001	0.001	-0.002	0.002	+
D8-3337.61	533.366	7.199	1.647	533.368	7.200	1.645	0.001	0.001	-0.002	0.003	+
D8-3337.62	533.374	8.926	1.651	533.375	8.927	1.649	0.001	0.001	-0.002	0.003	+
D8-3337.63	533.390	10.266	1.653	533.391	10.267	1.651	0.001	0.001	-0.002	0.002	+
D8-3337.64	533.417	11.574	1.647	533.418	11.575	1.645	0.001	0.001	-0.002	0.003	+
D8-VR-1.3	529.903	4.583	-1.233	529.904	4.584	-1.235	0.001	0.001	-0.002	0.002	+
D8-VR-1.4	529.900	4.586	-0.318	529.901	4.586	-0.320	0.001	0.001	-0.002	0.002	+
D8-VR-1.5	529.899	4.599	0.511	529.900	4.600	0.509	0.001	0.001	-0.002	0.002	+
D8-VR-1.6	529.898	4.596	1.262	529.900	4.597	1.261	0.001	0.001	-0.002	0.002	+
D8-VR-2.3	531.665	1.869	-1.193	531.666	1.870	-1.194	0.001	0.001	-0.002	0.002	+
D8-VR-2.4	531.706	1.867	-0.494	531.707	1.868	-0.495	0.001	0.001	-0.002	0.002	+
D8-VR-2.5	531.710	1.866	0.479	531.711	1.867	0.477	0.001	0.001	-0.002	0.002	+
D8-VR-2.6	531.698	1.864	1.234	531.700	1.865	1.233	0.001	0.001	-0.002	0.002	+
D8-VR-4.3	533.835	3.256	-1.102	533.836	3.257	-1.104	0.001	0.001	-0.002	0.002	+
D8-VR-4.4	533.848	3.253	-0.117	533.849	3.254	-0.119	0.001	0.001	-0.002	0.002	+
D8-VR-4.5	533.882	3.251	0.828	533.883	3.252	0.826	0.001	0.001	-0.002	0.003	+
S2-2641.3	-162.163	27.536	-2.255	-162.163	27.541	-2.262	0.000	0.005	-0.007	0.009	+
S2-2641.4	-162.163	27.546	-1.336	-162.163	27.552	-1.343	0.000	0.005	-0.007	0.009	+
S2-2641.5	-162.161	27.519	-0.123	-162.161	27.524	-0.130	0.001	0.005	-0.007	0.009	+
S2-2646.1	-156.380	29.893	-2.512	-156.380	29.898	-2.520	0.000	0.005	-0.007	0.009	+
S2-2646.2	-156.349	26.735	-2.517	-156.349	26.740	-2.525	-0.000	0.005	-0.007	0.009	+
S2-2646.3	-156.375	26.139	-2.251	-156.375	26.144	-2.259	0.000	0.005	-0.007	0.009	+
S2-2646.4	-156.372	26.146	-1.313	-156.372	26.151	-1.320	0.000	0.005	-0.007	0.009	+
S2-2646.5	-156.350	26.145	-0.077	-156.349	26.151	-0.085	0.000	0.005	-0.008	0.009	+
S2-2649.2	-153.259	33.861	-2.229	-153.259	33.867	-2.236	-0.000	0.005	-0.008	0.009	+
S2-2649.3	-153.356	34.210	-1.980	-153.357	34.215	-1.987	-0.000	0.005	-0.008	0.009	+
S2-2649.4	-153.362	34.211	-1.057	-153.362	34.217	-1.064	0.000	0.005	-0.008	0.009	+
S2-2649.5	-153.351	34.213	0.156	-153.351	34.218	0.148	0.000	0.005	-0.008	0.009	+
S2-2651.1	-152.049	31.305	-2.106	-152.049	31.310	-2.114	-0.000	0.005	-0.008	0.009	+
S2-2651.2	-151.850	29.458	-2.092	-151.850	29.463	-2.100	-0.000	0.005	-0.008	0.009	+
S2-2653.3	-149.388	25.997	-1.570	-149.389	26.003	-1.578	-0.000	0.005	-0.008	0.009	+
S2-2653.4	-149.393	25.999	-0.626	-149.393	26.004	-0.634	-0.000	0.005	-0.008	0.010	+
S2-2653.5	-149.419	25.997	0.584	-149.419	26.002	0.576	-0.000	0.005	-0.008	0.010	+
S2-2655.10	-147.541	26.245	-1.649	-147.541	26.251	-1.657	-0.000	0.005	-0.008	0.010	+
S2-2655.2	-147.481	31.397	-1.655	-147.481	31.402	-1.663	-0.000	0.005	-0.008	0.010	+
S2-2655.20	-147.505	28.865	-1.652	-147.505	28.870	-1.660	-0.000	0.005	-0.008	0.010	+
S2-2655.3	-147.361	31.228	-1.384	-147.361	31.233	-1.392	-0.000	0.005	-0.008	0.010	+
S2-2655.30	-147.410	29.443	-1.386	-147.410	29.449	-1.394	-0.000	0.005	-0.008	0.010	+
S2-2655.4	-147.365	31.208	-0.462	-147.365	31.213	-0.470	-0.000	0.005	-0.008	0.010	+
S2-2655.40	-147.411	29.445	-0.464	-147.412	29.450	-0.472	-0.000	0.005	-0.008	0.010	+
S2-2655.5	-147.364	31.218	0.749	-147.364	31.224	0.741	-0.000	0.005	-0.008	0.010	+
S2-2655.50	-147.408	29.462	0.763	-147.409	29.467	0.755	-0.000	0.005	-0.008	0.010	+
S4-2936.3	133.022	19.427	-2.225	133.023	19.434	-2.236	0.000	0.007	-0.010	0.012	+
S4-2936.4	133.022	19.440	-1.493	133.022	19.447	-1.504	0.000	0.007	-0.010	0.012	+
S4-2936.5	133.025	19.435	-0.702	133.026	19.441	-0.713	0.000	0.007	-0.010	0.012	+
S4-2936.6	133.026	19.424	-0.176	133.026	19.431	-0.186	0.000	0.007	-0.010	0.012	+
S4-2939.1	136.548	20.797	-2.516	136.548	20.803	-2.526	0.000	0.007	-0.010	0.012	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group

PANDA_PR Komplet::Auto Vectors: Groups: LA XFEL Gesamt

Name	Begin			End			Delta				
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	Mag (m)	
S4-2940.5	137.427	24.873	-0.706	137.427	24.880	-0.717	0.000	0.007	-0.010	0.012	+
S4-2942.1	138.923	21.840	-2.495	138.923	21.847	-2.505	0.000	0.006	-0.010	0.012	+
S4-2942.3	138.970	17.835	-2.245	138.970	17.841	-2.255	0.000	0.007	-0.010	0.012	+
S4-2942.4	138.958	17.836	-1.467	138.958	17.842	-1.477	0.000	0.006	-0.010	0.012	+
S4-2942.5	138.940	17.839	-0.702	138.940	17.845	-0.713	0.000	0.006	-0.010	0.012	+
S4-2942.6	138.921	17.837	-0.265	138.921	17.843	-0.275	0.000	0.006	-0.010	0.012	+
S4-2945.2	141.755	25.233	-2.162	141.755	25.239	-2.171	0.000	0.006	-0.010	0.012	+
S4-2945.3	141.720	25.677	-1.919	141.720	25.683	-1.929	0.000	0.006	-0.010	0.012	+
S4-2945.4	141.756	25.679	-1.143	141.756	25.685	-1.153	0.000	0.006	-0.010	0.012	+
S4-2945.5	141.700	25.679	-0.379	141.700	25.685	-0.389	0.000	0.006	-0.010	0.012	+
S4-2945.6	141.675	25.680	0.139	141.676	25.687	0.129	0.000	0.006	-0.010	0.012	+
S4-2949.2	145.795	18.109	-1.670	145.795	18.115	-1.680	0.000	0.006	-0.010	0.012	+
S4-2949.3	145.785	17.888	-1.426	145.786	17.895	-1.436	0.000	0.006	-0.010	0.012	+
S4-2949.4	145.757	17.891	-0.680	145.757	17.897	-0.690	0.000	0.006	-0.010	0.012	+
S4-2949.5	145.788	17.886	0.144	145.788	17.893	0.134	0.000	0.006	-0.010	0.012	+
S4-2949.6	145.756	17.887	0.657	145.757	17.894	0.647	0.000	0.006	-0.010	0.012	+
S4-2951.2	147.509	22.904	-1.470	147.509	22.911	-1.480	0.000	0.006	-0.010	0.012	+
S4-2951.3	147.757	22.657	-1.203	147.757	22.663	-1.212	0.000	0.006	-0.010	0.012	+
S4-2951.30	147.765	20.947	-1.192	147.765	20.953	-1.202	0.000	0.006	-0.010	0.012	+
S4-2951.40	147.763	20.946	-0.446	147.763	20.952	-0.456	0.000	0.006	-0.010	0.012	+
S4-2951.4	147.755	22.665	-0.445	147.755	22.671	-0.455	0.000	0.006	-0.010	0.012	+
S4-2951.5	147.756	22.625	0.357	147.757	22.631	0.347	0.000	0.006	-0.010	0.012	+
S4-2951.50	147.765	20.928	0.346	147.765	20.934	0.336	0.000	0.006	-0.010	0.012	+
S4-2951.60	147.766	20.912	0.798	147.766	20.918	0.788	0.000	0.006	-0.010	0.012	+
S4-2951.6	147.756	22.608	0.812	147.756	22.615	0.802	0.000	0.006	-0.010	0.012	+
SDU1-2.2	374.324	28.211	-4.541	374.325	28.215	-4.546	0.001	0.004	-0.005	0.006	+
SDU1-2.3	374.104	28.220	-4.393	374.105	28.224	-4.399	0.001	0.004	-0.005	0.006	+
SDU1-2.4	374.105	28.241	-3.251	374.106	28.244	-3.256	0.001	0.004	-0.005	0.006	+
SDU1-2.5	374.105	28.225	-2.356	374.106	28.229	-2.361	0.001	0.004	-0.005	0.006	+
SDU1-3.2	375.571	30.097	-4.714	375.572	30.100	-4.719	0.001	0.004	-0.005	0.006	+
SDU1-3.3	375.594	30.279	-4.524	375.595	30.282	-4.529	0.001	0.003	-0.005	0.006	+
SDU1-3.4	375.577	30.282	-3.341	375.578	30.286	-3.346	0.001	0.004	-0.005	0.006	+
SDU1-3.5	375.558	30.290	-2.541	375.559	30.293	-2.547	0.001	0.003	-0.005	0.006	+
SDU1-4.2	379.561	30.060	-5.417	379.562	30.064	-5.422	0.001	0.003	-0.005	0.006	+
SDU1-4.3	379.554	30.301	-5.163	379.555	30.305	-5.168	0.001	0.004	-0.005	0.006	+
SDU1-4.4	379.525	30.301	-3.925	379.526	30.304	-3.930	0.001	0.003	-0.005	0.006	+
SDU1-4.5	379.529	30.301	-3.418	379.530	30.304	-3.423	0.001	0.004	-0.005	0.006	+
SDU1-5.2	384.579	29.973	-6.294	384.580	29.976	-6.299	0.001	0.003	-0.005	0.006	+
SDU1-5.3	383.598	30.332	-5.876	383.599	30.336	-5.881	0.001	0.003	-0.005	0.006	+
SDU1-5.4	383.568	30.338	-4.675	383.569	30.341	-4.680	0.001	0.003	-0.005	0.006	+
SDU1-5.5	383.536	30.337	-3.923	383.537	30.341	-3.928	0.001	0.003	-0.005	0.006	+
SDU1-6.2	385.071	28.687	-6.100	385.072	28.690	-6.105	0.001	0.003	-0.005	0.006	+
SDU1-6.3	385.066	29.743	-6.170	385.067	29.746	-6.175	0.001	0.003	-0.005	0.006	+
SDU1-6.4	385.068	29.749	-4.801	385.069	29.753	-4.805	0.001	0.003	-0.005	0.006	+
SDU1-6.5	385.072	29.728	-4.085	385.073	29.731	-4.090	0.001	0.003	-0.005	0.006	+
SDU1-7.2	385.093	26.359	-5.852	385.094	26.362	-5.857	0.001	0.003	-0.005	0.006	+
SDU1-7.4	385.107	24.679	-4.927	385.107	24.682	-4.932	0.001	0.003	-0.005	0.006	+
SDU1-7.5	385.111	24.738	-4.169	385.112	24.742	-4.174	0.001	0.003	-0.005	0.006	+
SDU1-8.2	383.680	23.423	-6.121	383.681	23.427	-6.126	0.001	0.003	-0.005	0.006	+
SDU1-8.3	383.662	23.126	-5.916	383.663	23.130	-5.921	0.001	0.003	-0.005	0.006	+
SDU1-8.4	383.639	23.125	-4.716	383.640	23.128	-4.721	0.001	0.003	-0.005	0.006	+
SDU1-8.5	383.699	23.122	-3.951	383.700	23.126	-3.956	0.001	0.003	-0.005	0.006	+
SDU1-9.2	379.805	23.384	-5.415	379.806	23.388	-5.420	0.001	0.003	-0.005	0.006	+
SDU1-9.3	379.803	23.082	-5.162	379.804	23.086	-5.168	0.001	0.003	-0.005	0.006	+
SDU1-9.4	379.821	23.079	-4.100	379.822	23.083	-4.105	0.001	0.003	-0.005	0.006	+
SDU1-9.5	379.856	23.079	-3.259	379.857	23.083	-3.264	0.001	0.003	-0.005	0.006	+
SDU1-10.1	377.826	24.357	-5.072	377.827	24.360	-5.077	0.001	0.003	-0.005	0.006	+
SDU1-10.2	375.631	23.234	-4.720	375.632	23.238	-4.725	0.001	0.004	-0.005	0.006	+
SDU1-10.3	375.606	23.047	-4.420	375.607	23.050	-4.425	0.001	0.004	-0.005	0.006	+
SDU1-10.4	375.616	23.046	-3.397	375.617	23.049	-3.402	0.001	0.004	-0.005	0.006	+
SDU1-10.5	375.655	23.042	-2.594	375.656	23.046	-2.599	0.001	0.004	-0.005	0.006	+

S2-D3-S4-D5-DU1-D7-D8

Vector Group											
PANDA_PR_Komplett::Auto Vectors: Groups: LA XFEL_Gesamt											
Name	Begin			End			Delta				
	X1 (m)	Y1 (m)	Z1 (m)	X2 (m)	Y2 (m)	Z2 (m)	dX (m)	dY (m)	dZ (m)	Mag (m)	
...TRUNCATED...											