



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

: D1817

DETAILS:

Data: \Geonet\Data\HallD\SRV17

Below are the results of the recent elevation survey (Srv17) in the Hall D region compared to surveys carried out over the last 6.5 years. The surveys of the previous years were standardized such that the same monuments were used as baseline references. The location of the Hall D monuments can be seen in the accompanying diagram. All measurements are in meters.

TAGGER	Elev.	Diff 7/16	Diff 8/15	Diff 1/15	Diff 7/14	Diff 1/13	Diff 4/12	Diff 2/11
RNL0624	2102.8985	-0.0004			-0.0015			
RNL0630	2102.9132	-0.0004	-0.0007	-0.0005	-0.0014			
RNL0640	2102.9027	-0.0005	-0.0008	-0.0007	-0.0014	-0.0025	-0.0031	-0.0204
RNL0650	2102.9014	-0.0004	-0.0007	-0.0006	-0.0013	-0.0021	-0.0026	-0.0189
RNL0670	2102.9111	-0.0004	-0.0008	-0.0008	-0.0014	-0.0025	-0.0033	-0.0206
RNL0680	2102.9051	-0.0004	-0.0009	-0.0008	-0.0015		-0.0033	-0.0205
	Months:	12	23	30	36	54	63	77
1σ = 0.14mm	Avg Floor:	-0.00042	-0.00078	-0.00067	-0.00142	-0.00237	-0.00308	-0.02008
COL. CAVE	Elev.	Diff 7/16	Diff 8/15	Diff 1/15	Diff 7/14	Diff 1/13	Diff 4/12	Diff 2/11
RSD0020	2103.7132	-0.0008	-0.0012	-0.0019	-0.0023	-0.0031	-0.0030	-0.00617
RSD0030	2103.7206	-0.0009	-0.0012	-0.0018	-0.0023	-0.0031	-0.0029	-0.00559
RSD0040	2103.7220	-0.0007	-0.0011	-0.0017	-0.0022	-0.0029		
RSD0050	2103.7250	-0.0007	-0.0011	-0.0017	-0.0021	-0.0027		
RSD0060	2103.7225	-0.0007	-0.0011	-0.0016	-0.0021	-0.0026	-0.0025	-0.00278
RSD0070	2103.7282	-0.0007	-0.0010	-0.0016	-0.0020	-0.0026	-0.0004	-0.00051
	Months:	12	23	30	36	54	63	77
1σ = 0.33mm	Avg Floor:	-0.00076	-0.00110	-0.00172	-0.00213	-0.00283	-0.00220	-0.00376
HALL D	Elev.	Diff 7/16	Diff 8/15	Diff 1/15	Diff 7/14	Diff 1/13	Diff 4/12	Diff 2/11
RSD0160	2101.1940	-0.0006	-0.0009	-0.0015	-0.0017	-0.0022	-0.0018	-0.00083
RSD0180	2101.2014	-0.0006	-0.0009	-0.0015	-0.0017	-0.0021	-0.0016	-0.00046
RSD0320	2101.2081	-0.0006	-0.0007	-0.0014	-0.0019	-0.0021	-0.0018	-0.00092
RSD0360	2101.2083	-0.0007	-0.0009	-0.0014	-0.0017	-0.0020	-0.0019	-0.00049
RSD0390	2101.2055	-0.0007	-0.0010	-0.0014	-0.0017	-0.0019	-0.0016	-0.00016
RSD0430	2101.2093	-0.0007	-0.0009	-0.0014	-0.0018		-0.0018	-0.00087
RSD0440	2101.2059	-0.0007	-0.0009	-0.0014	-0.0018	-0.0021	-0.0019	-0.00072
RSD0480	2101.2076	-0.0006	-0.0009	-0.0015	-0.0017	-0.0020	-0.0016	-0.00016
	Months:	12	23	30	36	54	63	77
1σ = 0.33mm	Avg Floor:	-0.00065	-0.00090	-0.00142	-0.00176	-0.00203	-0.00175	-0.00058

HALL D MONUMENT LOCATIONS

