



Jefferson Lab Alignment Group

Data Transmittal

TO: T. Carstens, T. Whitlach

DATE: 08/25/2015

FROM: Chris Curtis

Checked:

: D1663

DETAILS:

Data: \Geonet\Data\HallD\SRV15

Below are the results of the recent elevation survey (Srv15) in the Hall D region compared to surveys carried out over the last 4.5 years. The surveys of the previous years were normalized as much as possible 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. (8/15)	Diff 1/15	Diff 7/14	Diff 1/13	Diff 4/12	Diff 8/11	Diff 2/11
RNL0630	2102.9139	0.0002	-0.0007				
RNL0640	2102.9035	0.0001	-0.0006	-0.0017	-0.0022	-0.0051	-0.0195
RNL0650	2102.9021	0.0001	-0.0006	-0.0014	-0.0019	-0.0042	-0.0182
RNL0670	2102.9118	0.0000	-0.0006	-0.0017	-0.0025	-0.0057	-0.0198
RNL0680	2102.9059	0.0001	-0.0007		-0.0025	-0.0054	-0.0196
	Months:	7.0	13.0	31.0	40.0	46.1	54.0
1σ = 0.17mm	Avg Floor:	0.0001	-0.0006	-0.0016	-0.0023	-0.0051	-0.0193
COL. CAVE	Elev. (8/15)	Diff 1/15	Diff 7/14	Diff 1/13	Diff 4/12	Diff 8/11	Diff 2/11
RSD0020	2103.7144	-0.0007	-0.0011	-0.0019	-0.0018	-0.0024	-0.0050
RSD0030	2103.7218	-0.0007	-0.0011	-0.0019	-0.0017	-0.0023	-0.0044
RSD0040	2103.7231	-0.0006	-0.0011	-0.0018			
RSD0050	2103.7261	-0.0006	-0.0010	-0.0016			
RSD0060	2103.7236	-0.0006	-0.0010	-0.0016	-0.0014	-0.0014	-0.0017
RSD0070	2103.7293	-0.0006	-0.0010	-0.0016	0.0006	0.0007	0.0005
	Months:	7.0	13.0	31.0	40.0	48.0	54.0
1σ = 0.22mm	Avg Floor:	-0.0006	-0.0010	-0.0017	-0.0011	-0.0013	-0.0026
HALL D	Elev. (8/15)	Diff 1/15	Diff 7/14	Diff 1/13	Diff 4/12	Diff 8/11	Diff 2/11
RSD0160	2101.1949	-0.0006	-0.0008	-0.0013	-0.0009	-0.0003	0.0001
RSD0180	2101.2023	-0.0006	-0.0008	-0.0012	-0.0008	0.0001	0.0004
RSD0320	2101.2088	-0.0007	-0.0011	-0.0013	-0.0011	-0.0004	-0.0002
RSD0360	2101.2092	-0.0004	-0.0008	-0.0010	-0.0009	-0.0003	0.0005
RSD0390	2101.2065	-0.0004	-0.0007	-0.0006	-0.0006	0.0003	0.0008
RSD0430	2101.2102	-0.0005	-0.0009		-0.0009	-0.0002	0.0000
RSD0440	2101.2068	-0.0005	-0.0009	-0.0011	-0.0010	-0.0003	0.0002
RSD0480	2101.2086	-0.0006	-0.0008	-0.0011	-0.0007	0.0003	0.0007
	Months:	7.0	13.0	31.0	40.0	48.1	54.0
1σ = 0.21mm	Avg Floor:	-0.0005	-0.0009	-0.0011	-0.0009	-0.0001	0.0003

HALL D MONUMENT LOCATIONS

