

Jefferson Lab Alignment Group

DATA TRANSMITTAL

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Checked: # A604

DETAILS:

Below are the results from the superharp survey carried out on May 18. This survey followed the decoupling of the girder from the double quads located upstream. When the girders were decoupled movements of just over 4mm on the superharp girder, and just over 1mm (in the opposite direction) on the quad girder were observed. This illustrates that the system was under strain.

E051800 - movements in mm (+ needs to go left)

	DZ	DX	DY
1a	-0.64	0.08	0.16
1b	-0.76	0.04	0.13
<u>1c</u>	<u>-1.05</u>	<u>0.01</u>	<u>0.11</u>
Average	-0.82	0.04	0.13
2a	-0.74	0.36	0.22
2b	-0.79	0.26	0.23
<u>2c</u>	<u>-0.67</u>	<u>0.20</u>	<u>0.17</u>
Average	-0.74	0.28	0.21

OPTICAL TOOLING - locations in mm (+ is beam left)

1b X	0.01
2b X	-0.09