Fid. Data Summary for 145D-1 Rafts

Raft Description:

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<th>November 5, 2002</th>
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<td>Raft #</td>
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<td>Type</td>
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<tr>
<td>S3 Ring</td>
<td>145D T-1</td>
</tr>
<tr>
<td>Name</td>
<td>145D-68</td>
</tr>
<tr>
<td>S3 Ring Name</td>
<td>SR??</td>
</tr>
</tbody>
</table>

Notes:
The above date represents the latest fiducial date of all components listed below.

Quad #
039
34Q-039

Dipole #
06
145D-06

Sext #
67
25S-67

Vac Ch #
012
BM2012

Corr #
44
HV-44

Quad #
023
15Q-023

Corr #
45
HV-45

H/V CORR
SA68HV2
SR??

Quad #
039
34Q-039

Dipole #
06
145D-06

Sext #
67
25S-67

Vac Ch #
012
BM2012

Corr #
44
HV-44

H/V CORR
SA68HV1
SR??

Quad #
023
15Q-023

Corr #
45
HV-45

H/V CORR
SA68HV2
SR??

Page 1 of 7
### Quadrupole: Fiducial Values for Upstream (34Q) Quadrupole

<table>
<thead>
<tr>
<th>Fiducial</th>
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<th>X</th>
<th>Y</th>
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<tbody>
<tr>
<td>TB1</td>
<td>-6.322</td>
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<tr>
<td>TB3</td>
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<td>16.200</td>
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<tr>
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<td>TB6</td>
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<td>-4.718</td>
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**Description:**
Fiducials based on values posted on web-page. (Check for updates.)

### Vacuum Chamber: Fiducial Values for BM2 Vacuum Chamber

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<td>TB6</td>
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<td>4.374</td>
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**Description:**
Fiducials based on values posted on web-page. (Check for updates.)
### HV1 Corrector: Fiducial Values for Corrector

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<tr>
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<td>-10.196</td>
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<tr>
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<td>-0.002</td>
<td>-10.046</td>
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<td>-20.003</td>
<td>0.000</td>
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<tr>
<td>B</td>
<td>0.000</td>
<td>-20.003</td>
<td>0.000</td>
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<tr>
<td>C</td>
<td>0.000</td>
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<tr>
<td>F</td>
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<td>0.000</td>
<td>17.935</td>
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</table>

Description:
Fiducials based on known nominal values.

![HV1 Corrector Diagram]

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### Quadrupole: Fiducial Values for Upstream (15Q) Quadrupole

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<th>X</th>
<th>Y</th>
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<tbody>
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<td>16.203</td>
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<td>TB5</td>
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<tr>
<td>TB6</td>
<td>2.443</td>
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<td>-4.905</td>
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Description:
Fiducials based on values posted on web-page. (Check for updates.)

![Quadrupole Diagram]

---

No Date

9/7/01
**Gradient Dipole: Fiducial Values for Dipole (145D)**

<table>
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<th>X</th>
<th>Y</th>
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<tbody>
<tr>
<td>TB1</td>
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<tr>
<td>TB2</td>
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<td>TB4</td>
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*Description:
Fiducials based on values posted on web-page. (Check for updates.)*

**Sextupole: Fiducial Values for 25S Sextupole**

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<th>Y</th>
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<tbody>
<tr>
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*Description:
Fiducials based on values posted on web-page. (Check for updates.)*
HV2 CORRECTOR (Downstream) & Building 750 Deck

HV2 Corrector: Fiducial Values for Corrector

<table>
<thead>
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<th>Description</th>
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<td>-0.323</td>
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<td>Fiducials based on known nominal values.</td>
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<tr>
<td>2</td>
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<tr>
<td>B</td>
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<td>-20.003</td>
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<td>C</td>
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Description:
Fiducials based on known nominal values.

Building 750 Deck: Positions of Component Origins

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<th>750 Name</th>
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<th>Y</th>
<th>Yaw</th>
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Date of Deck File: March 10, 2003
Location of Raft: WEST 145D-68

Description:
Deck coordinates representing origin of the specific component's coordinate system.
### Building 750 As-Built: (TABLE 1 of 2)

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</table>

*Values representing the difference between the design and actual fiducial measurements.*

Latest File Date: February 24, 2003

145D-68
### Building 750 As-Built: (TABLE 2 of 2)

<table>
<thead>
<tr>
<th>750 Name</th>
<th>delta Z</th>
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<th>delta Y (delta H)</th>
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### Description:

Values representing the difference between the design and actual fiducial measurements.

Latest File Date: February 24, 2003