

Fiducial Data Summary for 50Q Rafts

50Q-43

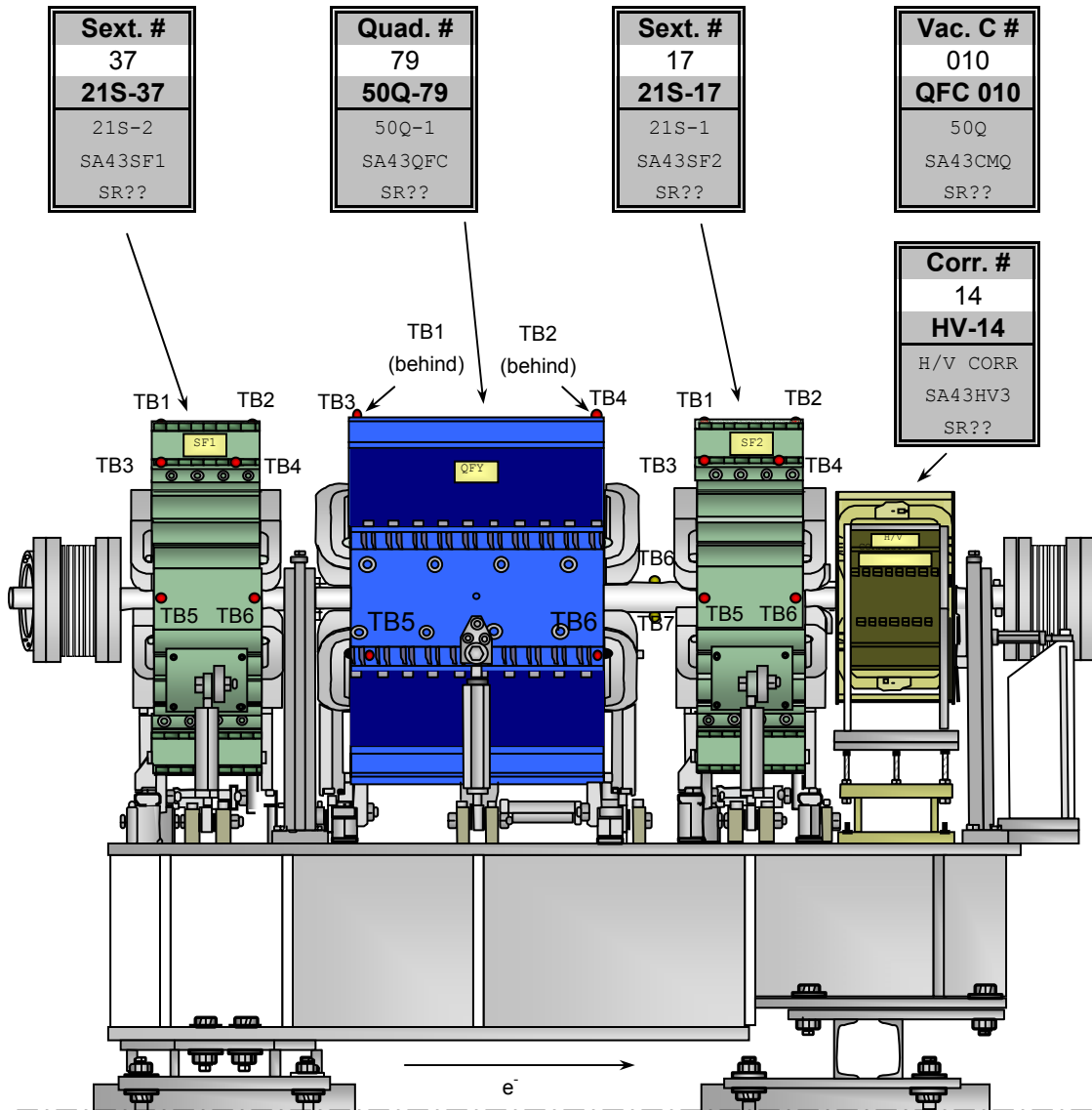
Raft Description:

Date February 5, 2002

Raft # 43 50Q-43	Type 1 50Q T-1	Bld. 750 Name SA43	S3 Ring Name SR??
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Notes:

The above date represents the latest fiducial date of all components listed below.
SPEAR3 Ring number not yet known.



Sextupole: Fiducial Values for Upstream (21S-2) Sextupole

Fiducial	Z	X	Y
TB1	-3.701	4.219	15.511
TB2	3.672	4.256	15.513
TB3	-3.631	-10.502	12.538
TB4	2.314	-10.538	12.516
TB5	-3.826	-15.063	0.016
TB6	3.754	-15.062	0.022

inches inches inches

SEXTUPOLE
21S-37

SA43SF1
SR??

12/19/01

Description:
Fiducials based on values posted on web-page. (Check for updates.)

Quadrupole: Fiducial Values for Quadrupole (50Q-1)

Fiducial	Z	X	Y
TB1	-9.457	11.212	16.203
TB2	9.430	11.238	16.204
TB3	-9.446	-11.223	16.202
TB4	9.457	-11.249	16.202
TB5	-8.351	-15.203	-4.701
TB6	9.255	-15.207	-4.705

inches inches inches

QUADRUPOLE
50Q-79

SA43QFC
SR??

1/23/02

Description:
Fiducials based on values posted on web-page. (Check for updates.)

Sextupole: Fiducial Values for Downstream (21S-1) Sextupole

Fiducial	Z	X	Y
TB1	-3.550	4.230	15.509
TB2	3.516	4.217	15.507
TB3	-3.599	-10.565	12.505
TB4	2.297	-10.572	12.508
TB5	-3.678	-15.062	-0.008
TB6	3.736	-15.063	0.020

inches inches inches

SA43SF2
SR??

2/5/02

Description:
Fiducials based on values posted on web-page. (Check for updates.)

H/V Corrector: Fiducial Values for Corrector

Fiducial	Z	X	Y
1	-0.003	-0.323	-10.196
2	-0.002	-10.046	-10.205
A	0.000	-20.003	0.000
B	0.000	-20.003	0.000
C	0.000	-20.003	0.000
D	0.000	-20.003	0.000
E	0.000	0.000	17.935
F	0.000	0.000	17.935

inches inches inches

SA43HV3
SR??

No Date

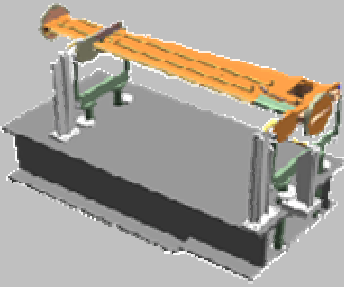
Description:
Fiducials based on known nominal values.

Vacuum Chamber: Fiducial Values for QFC (50Q) Vacuum Chamber

Fiducial	Z	X	Y
TB1	-13.780	-3.537	4.418
TB2	-13.815	7.246	4.365
TB3	37.433	-5.479	4.405
TB4	37.500	13.254	2.957
TB5	33.422	7.559	2.074
TB6	N/A	N/A	N/A
TB7	N/A	N/A	N/A

inches inches inches

VACUUM CHAMBER
QFC 010



SA43CMQ
SR??

10/15/01

Description:
Fiducials based on values posted on web-page. (Check for updates.)

Building 750 Deck: Positions of Component Origins

750 Name	Z	X	Y	Yaw
SA43SF1	-0.535	0.000	0.000	0.0000
SA43QFC	0.000	0.000	0.000	0.0000
SA43CMQ	0.000	0.000	0.000	0.0000
SA43SF2	0.535	0.000	0.000	0.0000

meters meters meters degrees

Date of Deck File: January 28, 2003

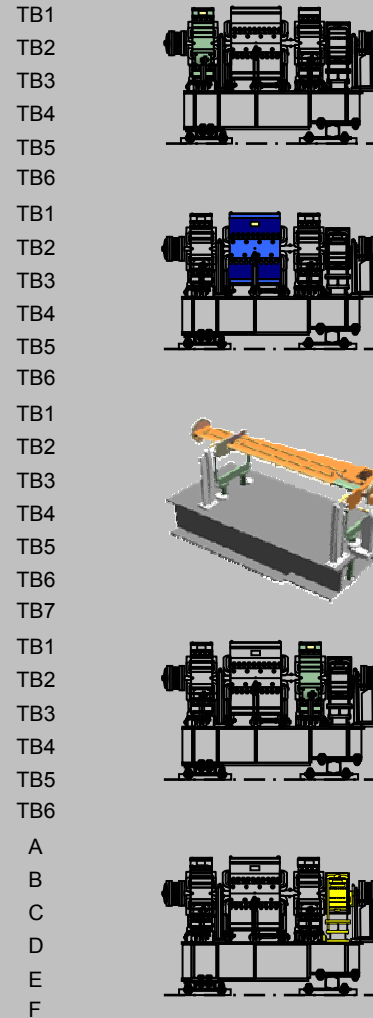
Location of Raft: EAST

50Q-43

Description:
Deck coordinates representing origin of the specific component's coordinate system.

Building 750 As-Built:

750 Name	delta Z	delta X	delta Y (delta H)
SA43SF1	-0.008	-0.011	-0.004
	-0.009	-0.008	-0.003
	-0.011	-0.004	-0.003
	-0.011	-0.007	-0.002
	-0.007	-0.006	-0.003
	-0.010	-0.001	-0.003
SA43QFC	0.008	-0.005	0.001
	0.006	-0.001	0.002
	-0.002	0.003	-0.002
	-0.007	-0.002	0.000
	-0.009	0.013	-0.004
	-0.013	0.005	-0.005
SA43CMQ	-0.003	0.004	-0.003
	-0.001	-0.001	-0.002
	-0.007	0.005	0.000
	-0.018	-0.002	0.000
	-0.010	-0.003	-0.007
	N/A	N/A	N/A
	N/A	N/A	N/A
SA43SF2	-0.005	-0.010	0.004
	-0.005	-0.009	0.000
	0.004	0.005	0.003
	0.003	-0.001	-0.003
	-0.005	0.003	0.003
	-0.009	-0.001	-0.006
SA43HV3		0.012	
		0.010	
		0.005	
		0.003	
			-0.004
			0.003
	inches	inches	inches



Latest File Date: December 2, 2002

50Q-43

Description:

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