

Fiducial Data Summary for 50Q Rafts

50Q-47

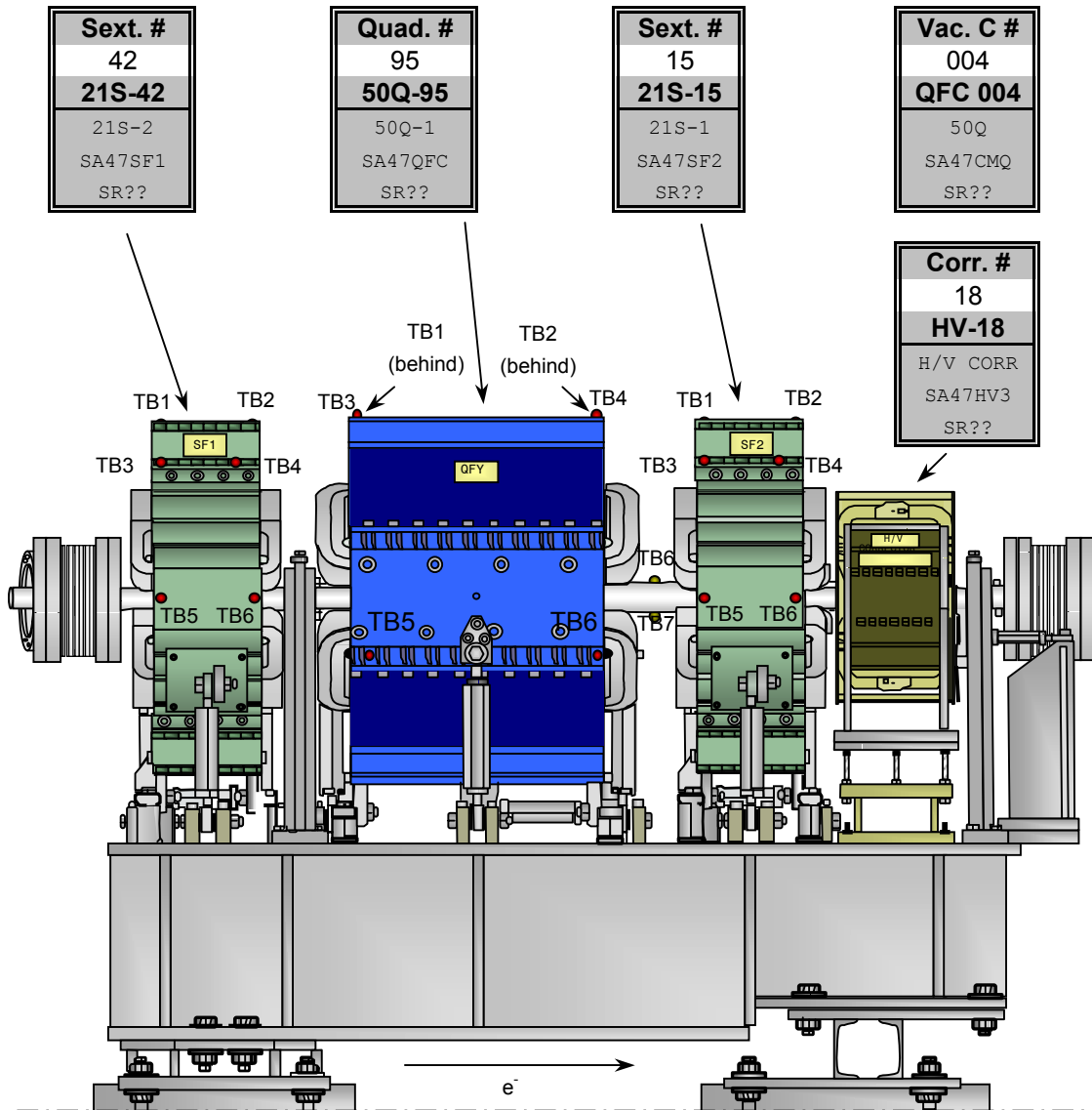
Raft Description:

Date January 22, 2002

Raft # 47 50Q-47	Type 2 50Q T-2	Bld. 750 Name SA47	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. Transport name file HAD QFC008, an error.



Sext. #
42
21S-42
21S-2
SA47SF1
SR??

Quad. #
95
50Q-95
50Q-1
SA47QFC
SR??

Sext. #
15
21S-15
21S-1
SA47SF2
SR??

Vac. C #
004
QFC 004
50Q
SA47CMQ
SR??

Corr. #
18
HV-18
H/V CORR
SA47HV3
SR??

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

Fiducial	Z	X	Y
TB1	-3.737	4.218	15.512
TB2	3.785	4.221	15.511
TB3	-3.635	-10.508	12.535
TB4	2.290	-10.498	12.538
TB5	-3.781	-15.065	0.025
TB6	3.735	-15.066	0.025

inches inches inches

SEXTUPOLE
21S-42

SA47SF1
SR??

1/22/02

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

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

Fiducial	Z	X	Y
TB1	-9.447	11.236	16.207
TB2	9.456	11.248	16.205
TB3	-9.469	-11.275	16.205
TB4	9.473	-11.248	16.207
TB5	-8.332	-15.201	-4.695
TB6	9.215	-15.204	-4.711

inches inches inches

QUADRUPOLE
50Q-95

SA47QFC
SR??

1/3/02

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	-3.757	4.227	15.507
TB2	3.695	4.199	15.507
TB3	-3.646	-10.497	12.542
TB4	2.278	-10.493	12.543
TB5	-3.701	-15.064	0.015
TB6	3.775	-15.061	0.035

inches inches inches

SEXTUPOLE
21S-15

SA47SF2
SR??

1/22/02

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

H/V CORRECTOR
HV-18

SA47HV3
SR??

No Date

Description:
Fiducials based on known nominal values.

VACUUM CHAMBER

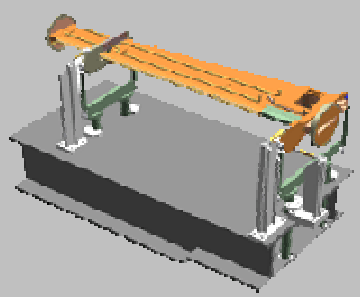
Raft: 50Q-47

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

Fiducial	Z	X	Y
TB1	-13.760	-3.390	4.420
TB2	-13.870	7.290	4.363
TB3	37.428	-5.456	4.422
TB4	37.540	13.315	2.980
TB5	33.407	7.551	2.095
TB6	13.361	2.604	2.375
TB7	13.407	2.625	-2.377

inches inches inches

VACUUM CHAMBER
QFC 004



SA47CMQ
SR??

8/16/01

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

Building 750 Deck Data

Raft: 50Q-47

Building 750 Deck: Positions of Component Origins

750 Name	Z	X	Y	Yaw
SA47SF1	-0.535	0.000	0.000	0.0000
SA47QFC	0.000	0.000	0.000	0.0000
SA47CMQ	0.000	0.000	0.000	0.0000
SA47SF2	0.535	0.000	0.000	0.0000

meters meters meters degrees

Date of Deck File: July 22, 2002

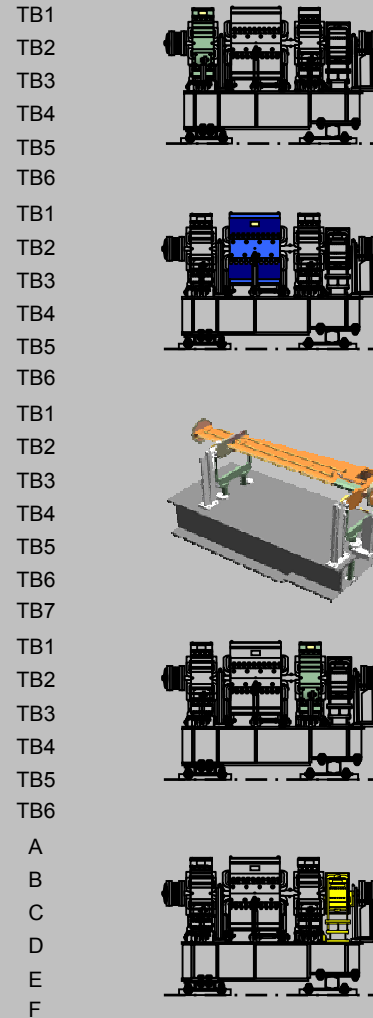
Location of Raft: EAST

50Q-47

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)
SA47SF1	-0.004	0.000	0.001
	-0.004	-0.003	0.001
	0.004	-0.004	0.002
	0.010	-0.008	0.003
	0.001	0.001	0.002
	0.007	-0.003	-0.001
SA47QFC	-0.002	0.001	0.004
	-0.004	-0.003	0.004
	-0.003	-0.003	0.005
	0.002	0.001	0.005
	-0.004	0.002	0.000
	-0.002	0.000	0.000
SA47CMQ	-0.009	0.007	-0.003
	0.000	-0.013	-0.003
	0.004	-0.002	-0.006
	0.002	0.004	-0.001
	-0.003	-0.002	-0.001
	N/A	N/A	N/A
	N/A	N/A	N/A
SA47SF2	-0.001	0.002	-0.001
	0.001	-0.001	-0.001
	-0.003	-0.004	-0.005
	-0.006	-0.002	0.001
	0.004	-0.003	-0.003
	0.000	0.001	0.000
SA47HV3		-0.013	
		-0.019	
		-0.008	
		-0.020	
			0.006
			0.006
	inches	inches	inches



Latest File Date: May 20, 2002

50Q-47

Description:

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