



Jefferson Lab Alignment Group

Data Transmittal

TO: J. Grames, M. Poelker

DATE: 07/30/2020

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Checked:

: U1978

DETAILS:

M:\align\DATA\Step2B\UITF\UITF_BEAMLIN

The table presented under has all the UITF beamline elements collected in different measurements days. The coordinates are in the UITF Machine Coordinate System in meters. In the UITF Machine Coordinate System, a positive X is beam left, a positive Y is up and a positive Z is downstream.

	UITF Coordinate System (Meters and Degrees)						Measured
	X	Y	Z	Pitch (rX)	Yaw (rY)	Roll (rZ)	
Booster_US Flange	10.31760	21.06425	39.88104				11/06/17
Booster_DS Flange	10.31652	21.06448	42.43112				
MQJM501	10.31751	21.06683	45.40658	0.0877	-0.0339	-0.0024	10/23/18
MQJM502	10.31755	21.06672	46.05680	-0.0497	0.0929	-0.0190	
MQJM503	10.31748	21.06676	46.70639	0.0829	-0.0304	-0.0093	
MQJM504	10.31752	21.06676	47.35654	0.0156	-0.0219	0.0017	
MDLM504	10.31746	21.06674	48.94404	-12.5112	-0.0015	0.0121	11/19/18
MDLM601	10.31755	21.06676	49.99529	0.0334	-0.0201	-0.0029	01/24/20
IHAM601	10.31726	21.06474	50.65331				12/04/19
MQJM701	10.99034	21.06775	51.16064	0.0123	29.9312	-0.0384	12/04/19
MQJM702	11.35643	21.06772	51.79470	-0.0149	30.0765	-0.0521	
IHAM703	11.46659	21.06604	51.98490				
MQJM801	10.31746	21.38521	49.62695	-24.9872	-0.0137	0.0148	02/21/19
MQJM802	10.31741	21.65347	50.20227	-25.2052	0.0713	0.0731	
MQJM803	10.31745	21.93754	50.81182	-24.9849	-0.0131	0.0370	
MDLM803	10.31771	22.286.07	51.55866	-12.5256	-0.0594	-0.0318	11/19/18
MQJM901	10.31758	22.28598	52.75009	0.0506	-0.0146	0.0092	03/06/20
MQJM902	10.31736	22.28591	53.89902	-0.1061	-0.0217	-0.0135	
MQJM903	10.31723	22.28600	55.04831	-0.0149	-0.0293	-0.0516	
MQJM904	10.31742	22.28595	56.19789	-0.0064	0.0397	0.0145	