



Jefferson Lab Alignment Group

Data Transmittal

TO: G. Hays, S. Gregory

DATE: 07 Jul 2023

FROM: Elena Balan

Checked: rtm

: L2075

DETAILS:

M:\align\DATA\Inspection\SLNC\SL23_WAVEGUIDES\230629A

The waveguides for CA2L23 were surveyed on the 29th of June, 2023. Results are presented in CEBAF coordinate system.

Component	X[m]	Y[m]	Z[m]
WG1C	-79.91806	102.23052	-54.11868
WG1DSBL	-80.02835	102.23011	-54.18651
WG1DSBR	-79.80836	102.23087	-54.18873
WG1USBL	-80.02777	102.23018	-54.04926
WG1USBR	-79.80777	102.23094	-54.05020
WG2C	-79.91740	102.02566	-54.30458
WG2DSBL	-80.02807	102.02561	-54.37285
WG2DSBR	-79.80804	102.02600	-54.37446
WG2USBL	-80.02694	102.02532	-54.23461
WG2USBR	-79.80656	102.02572	-54.23641
WG3C	-79.69263	102.22667	-54.11644
WG3DSBL	-79.80321	102.22647	-54.18473
WG3DSBR	-79.58328	102.22666	-54.18671
WG3USBL	-79.80196	102.22669	-54.04594
WG3USBR	-79.58205	102.22687	-54.04838
WG4C	-79.69983	102.23164	-54.30431
WG4DSBL	-79.81046	102.23163	-54.37261
WG4DSBR	-79.59043	102.23115	-54.37404
WG4USBL	-79.80922	102.23214	-54.23403
WG4USBR	-79.58921	102.23166	-54.23656
WG5C	-79.70833	102.22601	-56.09831
WG5DSBL	-79.82015	102.22723	-56.16341
WG5DSBR	-79.60029	102.22713	-56.17066
WG5USBL	-79.81638	102.22492	-56.02688
WG5USBR	-79.59648	102.22479	-56.03231
WG6C	-79.70767	102.22777	-56.28109
WG6DSBL	-79.81852	102.22905	-56.34929
WG6DSBR	-79.59851	102.22880	-56.35133
WG6USBL	-79.81684	102.22673	-56.21055

Component	X[m]	Y[m]	Z[m]
WG6USBR	-79.59680	102.22650	-56.21317
WG7C	-79.93884	102.02588	-56.07952
WG7DSBL	-80.04996	102.02664	-56.14722
WG7DSBR	-79.82997	102.02638	-56.14993
WG7USBL	-80.04770	102.02537	-56.00868
WG7USBR	-79.82773	102.02511	-56.01226
WG8C	-79.92992	102.23237	-56.26004
WG8DSBL	-80.04064	102.23332	-56.32764
WG8DSBR	-79.82066	102.23326	-56.33040
WG8USBL	-80.03918	102.23148	-56.18989
WG8USBR	-79.81919	102.23141	-56.19222

Component	X[m]	Y[m]	Z[m]
2L23DS_UT_DS	-80.99582	100.69454	-59.96228
2L23DS_UT_US	-80.99664	100.69902	-59.65517
2L23US_UT_DS	-81.00880	100.68599	-50.94451
2L23US_UT_US	-81.00793	100.69265	-50.64112
DS_CRYO_DS	-81.34779	100.68572	-59.64593
DS_CRYO_US	-81.34865	100.69722	-59.34035
US_CRYO_DS	-81.71017	100.70099	-50.94639
US_CRYO_US	-81.70878	100.69946	-50.79406

Component	X[m]	Y[m]	Z[m]
GR-CABLE_TRAY_BOTTOM		101.40066	
GR-CABLE_TRAY_BR	-80.10751		
GR-POWER_TRAY_BR	-79.96788		
GR-2L23_US_LRGFLG			-51.08741
GR-2L23_DS_LRGFLG			-59.50821
GR-Proj.2L23US_UT_DS			-50.94599
GR-Proj.2L23DS_UT_US			-59.65184
GR-Proj.DS_CRYO_US			-59.34148
GR-SML_CABLE_TRAY_BOTTOM		101.99922	



