

TOF Shipping crate packing list 2

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Contract Information

Jefferson National Accelerator Facility & Florida State University Cost Reimbursement Subcontract

Construction of the GlueX Time-of-Flight Detector

JSA Subcontract No.: JSA-12-C2513

Jefferson Lab contact: Dr. Mark Ito

Florida State University contact: Dr. Paul Eugenio

Shipping List for Second Delivery

This delivery contains a total of 5 shipping crates and 5 boxes. Each crate is marked with an identification number. Additional crates (ID # 1, 8, 9, 10, and 11) will be delivered at a later date. The individual boxes contain TOF support structure components.

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GlueX TOF Crate # 1 : 4 TOF standard and 8 half-length modules           Box 1 contains: 76 shield
GlueX TOF Crate # 8 : 8 TOF standard modules                             Box 2 contains:
GlueX TOF Crate # 9 : 8 TOF standard modules                             Box 3 (small wo
GlueX TOF Crate # 10 : 8 TOF standard modules                           Box 4 contains:
GlueX TOF Crate # 11 : 8 TOF half-width modules
Total: 44 TOF modules
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Specific module serial numbers and location IDs are provided below.

TOF Plane Module Numbering

There are 46 modules per TOF plane. These are 38 standard modules, 4 half-width modules, and 4 half-length modules. Below is a scheme for number modules in the Y plane (X-plane similar but with a -90 degree rotation).

Module #	Modules in Plane Y (stacked horizontally)
46	
45	
..	
..	19 standard modules
..	
28	
27	
26	2 half-width modules
23, 25	
22, 24	4 half-length modules
21	
20	2 half-width modules
19	
..	
..	19 standard modules
2	
1	

Crate Packing List

Crate #	Module IDs for Top Layer	Module IDs for Bottom Layer	Plane
1	19, 22+24, 23+25, 29	19, 22+24, 23+25, 29	X(top), Y(bottom)
2	1, 3, 5, 7	9, 11, 13, 15	X
3	17, 31, 33, 35	37, 39, 41, 43	X
4	45, 2, 4, 6	8, 10, 12, 14	X
5	16, 18, 28, 30	32, 34, 36, 38	X
6	40, 42, 44, 46	1, 3, 5, 7	X(top), Y(bottom)
7	9, 11, 13, 15	17, 31, 33, 35	Y
8	37, 39, 41, 43	45, 2, 4, 6	Y
9	8, 10, 12, 14	16, 18, 28, 30	Y
10	32, 34, 36, 38	40, 42, 44, 46	Y
11	20, 21, 26, 27	20, 21, 26, 27	X(top), Y(bottom) all 8 half-widths

Packing Map

Crate #	Layer	Module SN	Module SN	Module SN	Module SN
1	top	19, 4333-04-20	22, half-length-01; 24, half-length-02	23, half-length-03; 25, half-length-04	29, 4333-04-22
1	bottom	19, 4333-04-11	22, half-length-05; 24, half-length-06	23, half-length-07; 25, half-length-08	29, 4333-04-18
2	top	01, 4333-04-38	03, 4333-04-60	05, 4333-04-16	07, 4333-04-08
2	bottom	09, 4333-04-35	11, 4333-04-49	13, 4333-04-70	15, 4333-04-44
3	top	17, 4333-04-04	31, 4333-04-12	33, 4333-04-13	35, 4333-04-67
3	bottom	37, 4333-04-37	39, 4333-04-36	41, 4333-04-27	43, 4333-04-53
4	top	45, 4333-04-34	02, 4333-04-23	04, 4333-04-64	06, 4333-04-33
4	bottom	08, 4333-04-65	10, 4333-04-62	12, 4333-04-69	14, 4333-04-76
5	top	16, 4333-04-03	18, 4333-04-02	28, 4333-04-07	30, 4333-04-71
5	bottom	32, 4333-04-41	34, 4333-04-29	36, 4333-04-32	38, 4333-04-15
6	top	40, 4333-04-57	42, 4333-04-54	44, 4333-04-55	46, 4333-04-43
6	bottom	01, 4333-04-52	03, 4333-04-30	05, 4333-04-58	07, 4333-04-14
7	top	09, 4333-04-26	11, 4333-04-73	13, 4333-04-06	15, 4894- 01-01
7	bottom	17, 4333-04-10	31, 4333-04-42	33, 4333-04-61	35, 4333-04-19
8	top	37, 4333-04-40	39, 4333-04-09	41, 4333-04-47	43, 4333-04-56
8	bottom	45, 4333-04-25	02, 4333-04-51	04, 4333-04-21	06, 4333-04-48
9	top	08, 4333-04-28	10, 4333-04-68	12, 4333-04-66	14, 4333-04-45
9	bottom	16, 4333-04-17	18, 4333- 04-01	28, 4333-04-05	30, 4333-04-72
10	top	32, 4333-04-46	34, 4333-04-74	36, 4333-04-63	38, 4333-04-24
10	bottom	40, 4333-04-39	42, 4333-04-50	44, 4333-04-59	46, 4333-04-31
11	top	20, half-width-01	21, half-width-02	26, half-width-03	27, half-width-04
11	bottom	20, half-width-05	21, half-width-06	26, half-width-07	27, half-width-08

The above mapping of modules to plan location were assigned following the sorted module test results.

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