

**CAMERA SHIPMENT**

Item	Shipping Container or Crate ID	Stackable?	Description	Length (ft)	Width (ft)	Height (ft)	Footprint (ft^2)	Volume (ft^3)	Total Mass (lbs)	Total Mass (kg)	Unpacking Order	Truck #	Comments
1	1A	No	Camera Shipping Container	20	8	8.5	160	1360	17680	8020	WR (1)	2	Contains nothing but the Camera on its shipping frame
2	1B	No	L1/L2 Shipping Container (now repurposed)	20	8	8.5	160	1360			ST (3)	7	Will have Cryostat/UT items in the back, L1-L2 items in the front
3	1C	No	Filter Exchange System Crates in Two-Door Container	20	8	8.5	160	1360	9350	4250	WR (1)	3	Spare shutter and auto changer, filters, filter loaders
4	2A		Camera rigging equipment	4	8	4	32	128			WR (1)	1	WR = White Room (level 3), unpacked first
5	2B		CCOB equipment	4	8	4	32	128			WR (1)	1	
6	2C	No	CCOB stages	5	5	3	25	75			WR (1)	1	
7	2D		Camera Saddle Stand	8	8	5	64	320	3200	1455	WR (1)	1	
8	2E		Pumped coolant system vacuum-jacketed lines	4	8	4	32	128			WR (1)	1	
9	2F		Tools	4	8	4	32	128			WR (1)	1	
10	4A		Shutter frame #1 on transport cart with shutter mass simulator	5	6	3	30	90			WR (1)	4	
11	4B		Optical filter storage clean box	7	4.5	5.5	32	173	1320	600	WR (1)	4	
12	4C		Auto changer clean cart/box	6.5	6	6	39	234	880	400	WR (1)	4	
13	4D		Filter bench top stand 1	4.5	4.5	5	20	101	440	200	WR (1)	4	
14	4E		Filter bench top stand 2	4.5	4.5	5	20	101	440	200	WR (1)	4	
15	4F		Filter loader cart 1	5	3.25	7	16	114	660	300	WR (1)	4	
16	4G		Filter loader cart 2	5	3.25	7	16	114	660	300	WR (1)	4	
17	4H		Dummy filters	3.5	3.5	2.5	12	31	528	240	WR (1)	4	
18	4I		Auto changer electrical bay	3	3	5	9	45	275	125	WR (1)	4	
19	4J		Shutter rigging and accessories	4	8	4	32	128			WR (1)	4	
20	4K		Auto changer rigging and accessories	4	8	4	32	128			WR (1)	4	
21	5A	No	Cryo Refrigeration Cabinet 1	7.5	4	5.5	30	165	2200	1000	L1 (2)	5	L1 = first floor; second priority after white room items
22	5B	No	Cryo Refrigeration Cabinet 2	7.5	4	5.5	30	165	2200	1000	L1 (2)	5	
23	5C	No	Pumped coolant system chiller cabinet 1	10	5	8	50	400			L1 (2)	5	
24	5D		CCS hardware	4	8	4	32	128			L1 (2)	5	
25	5E		DAQ hardware	4	8	4	32	128			L1 (2)	5	
26	5F		Refrigeration accessories	4	8	4	32	128			L1 (2)	5	
27	5G		Flushing carts, Helium leak checker	4	8	4	32	128			L1 (2)	5	
28	5H		Mixing station for cryo refrigerant	4	8	4	32	128			L1 (2)	5	
29	5I		Empty manchester tanks	4	8	4	32	128			L1 (2)	5	
30	6A	No	Shutter extraction rail	10	6.5	8	65	520			L5 (2)	6	L5 = 5th floor (pier); second priority after white room items
31	6B		Shutter extraction rail support frame	10	6.5	8	65	520			L5 (2)	6	
32	6C	No	Pumped coolant system chiller cabinet 2	10	5	8	50	400			L5 (2)	6	
33	6D	No	Pumped coolant system pancake wrap	8	10	2	80	160			L5 (2)	6	
34	6E		Pancake wrap lifting beam	8	10	2	80	160			L5 (2)	6	
35	6F		Camera Mass Simulator on support stand	12	6	7	72	504	5940	2700	ST (3)	6	
<b>TOTALS</b>							1670	10008					