

CAMERA SHIPMENT

Item	Shipping Container or Crate ID	Description	Length (ft)	Width (ft)	Height (ft)	Footprint (ft^2)	Volume (ft^3)	Total Mass (kg)	Unpacking Order	Comments
1	1A	Camera Shipping Container	20	8	8.5	160	1360	9500	WR (1)	Contains nothing but the Camera on its shipping frame
2	1B	L1/L2 Shipping Container (now repurposed)	20	8	8.5	160	1360		ST (3)	Will have Cryostat/UT items in the back, L1-L2 items in the front
3	1C	Two-Door Shipping Container	20	8	8.5	160	1360		ST (3)	As much of the Camera Integration Stand as we can fit
4	2A	Camera rigging equipment	4	8	4	32	128		WR (1)	
5	2B	CCOB equipment	4	8	4	32	128		WR (1)	
6	2C	CCOB stages	5	5	3	25	75		WR (1)	
7	2D	CIS and rotator electronics racks	4	8	4	32	128		ST (3)	
8	P2E	Camera integration stand weldment: base tower 1	12.5	5	8	63	500		ST (3)	
9	P2F	Camera integration stand weldment: base tower 2	12.5	5	8	63	500		ST (3)	
10	P2G	Camera integration stand weldment: cradle	11.5	6.5	4	75	299		ST (3)	
11	P2P	Camera Mass Simulator on support stand	12	6	7	72	504	2700	ST (3)	
12	3A	Cryo Refrigeration Cabinet 1	7.5	4	5.5	30	165		CR (2)	
13	3B	Cryo Refrigeration Cabinet 2	7.5	4	5.5	30	165		CR (2)	
14	3C	Pumped coolant system chiller cabinet 1	10	5	8	50	400		CR (2)	
15	3D	Pumped coolant system chiller cabinet 2	10	5	8	50	400		CR (2)	
16	3E	Refrigeration accessories	4	8	4	32	128		CR (2)	
17	3F	Pumped coolant system pancake wrap	8	10	2	80	160		CR (2)	
18	3G	Pumped coolant system vacuum-jacketed lines	4	8	4	32	128		CR (2)	
19	3H	Pancake wrap lifting beam	8	10	2	80	160		CR (2)	
20	3I	Mixing station for cryo refrigerant	4	8	4	32	128		CR (2)	
21	3J	Empty manchester tanks	4	8	4	32	128		CR (2)	
22	3K	Flushing carts, Helium leak checker	4	8	4	32	128		CR (2)	
23	4A	Spare Shutter	5	6	3	30	90		WR (1)	
24	4B	Shutter rigging and accessories	4	8	4	32	128		WR (1)	
25	4C	Shutter extraction rail	10	6.5	8	65	520		WR (1)	
26	4D	Shutter extraction rail support frame	10	6.5	8	65	520		WR (1)	
27	4E	Shutter frame #1 on transport cart with shutter mass simulator	5	6	3	30	90		WR (1)	
28	5A	Spare auto changer	6.5	5.5	7.5	36	268	700	WR (1)	Dimensions and weights from French team
29	5B	Optical filter 1	4	4	2	16	32		WR (1)	from LCA-18069
30	5C	Optical filter 2	4	4	2	16	32		WR (1)	
31	5D	Optical filter 3	4	4	2	16	32		WR (1)	

32	5E	Optical filter 4	4	4	2	16	32		WR (1)	
33	5F	Optical filter 5	4	4	2	16	32		WR (1)	
34	5G	Optical filter 6	4	4	2	16	32		WR (1)	
35	5H	Filter loader 1	6	4	2	24	48	300	WR (1)	
36	5I	Filter loader 2	6	4	2	24	48	300	WR (1)	
37	5J	Optical filter storage clean box	7	4.5	5.5	32	173	600	WR (1)	
38	5K	Auto changer clean cart/box	6.5	6	6	39	234	400	WR (1)	
39	5L	Auto changer rigging and accessories	4	8	4	32	128		WR (1)	
40	5M	Filter bench top stand 1	4.5	4.5	5	20	101	200	WR (1)	
41	5N	Filter bench top stand 2	4.5	4.5	5	20	101	200	WR (1)	
42	5O	Filter loader cart 1	5	3.25	7	16	114	300	WR (1)	
43	5P	Filter loader cart 2	5	3.25	7	16	114	300	WR (1)	
44	5Q	Dummy filters	3.5	3.5	2.5	12	31	240	WR (1)	
45	5R	Auto changer electrical bay	3	3	5	9	45	125	WR (1)	
46	7A	CCS and DAQ hardware	4	8	4	32	128		CR (2)	
47	8A	Tools	4	8	4	32	128		WR (1)	
		TOTALS				2015	11633			