



Amendment 110
7/19/71

X A COORDINATES

TABLE 3.1-2 (CONTINUED)
CSM 112/LM10 EXPECTED SEQUENTIAL MASS PROPERTIES

3.1-4

SMA-B-D-027(III) REV 3

DESCRIPTION	S	WEIGHT POUNDS	C. G. INCHES			INERTIA'S SLUG-FT ²			PRODUCTS SLUG-FT ²			DISPERSIONS LB/IN			
			X	Y	Z	I _{XX}	I _{YY}	I _{ZZ}	P _{XY}	P _{XZ}	P _{YZ}	D _X	D _Y	D _Z	
CSM AT EARTH LAUNCH		66924.8	933.9	5.0	4.7	36397	80079	81729	-2101	272	2247	193.6	.4	.2	.2
LM AT EARTH LAUNCH		36237.7	583.6	.4	-.9	25859	27364	26117	87	515	192	42.3	.4	.2	.2
SLA (EXCLUDING RING)		3964.2	638.9	.6	-.2	9996	12495	12470	-47	116	28	25.0	1.0	.5	.5
LES		9108.0	1298.8	.2	.8	832	28026	28082	42	799	1	25.0	1.0	.5	.5
CSM+LM+SLA+LES AT LAUNCH		116234.7	843.2	3.1	2.5	73391	1237847	1238236	3773	10529	2617	201.3	.3	.2	.2
CSM+LM+SLA AT E.O.I.		107126.7	804.5	3.3	2.6	72536	767108	767430	6506	11356	2605	199.8	.4	.2	.2
CSM+LM+SLA PRE TRANS/DOCK		107123.1	804.5	3.3	2.6	72537	767132	767460	6491	11347	2608	199.0	.4	.2	.2
CSM AT TRANS/DOCK		66850.6	933.9	5.0	4.7	36324	80036	81701	-2111	273	2268	193.6	.4	.2	.2
LM AT TRANS/DOCK		36235.0	1238.2	-.6	.8	25854	26153	27114	-491	186	445	42.3	.4	.3	.1
CSM/LM DOCKED		103085.6	1040.9	3.0	3.3	62416	575831	598541	-11282	-5531	1934	198.2	.4	.2	.2
CM EQUIP.RELOC.1	-	531.6	1042.6	-.9.0	-11.8	36	7	33	0	1	0	.0	.0	.0	.0
CM EQUIP.RELOC.1	+	531.6	1034.2	-.8.4	-13.6	30	33	43	-8	7	-1	.0	.0	.0	.0
SIM DOOR	-	160.0	912.1	43.2	-59.5	20	65	85	0	0	0	.0	.0	.0	.0
CM GASEOUS N2	+	5.5	1168.7	13.0	-7.5	0	0	0	0	0	0	.0	.0	.0	.0
CSM/LM PRE L.O.I.		1r2692.0	1041.3	3.0	3.5	62028	574327	577101	-11117	-5805	2075	198.2	.4	.2	.2
CSM/LM POST L.O.I.		76391.8	1083.6	1.9	2.0	48396	443223	449320	-8697	-1220	-1030	198.2	.7	.2	.2