

	#1: Estimation based on ASI model (Old style blades)	#2: Estimation based on ASI model (New style blades)	#3: LASTI Prototype	#4: Advanced LIGO as of 11/02/09 (In re-design process)
20007950-1 STAGE 0 STRUCTURE SUBASSY	967.6	967.6	967.6	1187.0
STAGE 0-1 CONNECTING STRUCTURE (Act. posts, lockers...)	376.6	376.6	376.6	376.6
2007878-1 STAGE 0-1 SPRING/FLEXURE	225.5	273.5	273.5	273.5
STAGE 0 Bolts	109.8	109.8	109.8	109.8
S0-1 CPS	1.0	1.0	1.0	1.0
Stage 0 Subtotal (Without actuators)	1680.5	1727.5	1727.5	1946.9
20007825-1 STAGE 1 STRUCTURE SUBASSY	1089.3	1089.3	1089.3	1208.0
Trim weight	29.9	29.9	380	105.0
CONNECTING STRUCTURE (Act. brackets, lockers...)	66.1	66.1	66.1	66.1
STAGE 1 OTHER (Hardware)	28.7	28.7	28.7	45.0
STS-2 + locker + Cable (Trilium for AdL)	97.3	97.3	97.3	92.4
20007790-1 STS-2 POD (Trilium for AdL)	250.4	250.4	250.4	165.3
L4C + Cable	38.8	38.8	38.8	38.8
20007820-1 L-4C POD	75.5	75.5	75.5	75.5
S1-2 CPS + cables	4.9	4.9	4.9	4.9
Large Actuators Magnets Assy	175.4	175.4	175.4	91.2
Stage 1 Subtotal	1856.3	1856.3	2206.4	1892.2
20007845-1 STAGE 2 STRUCTURE SUBASSY	2967.2	2967.2	2967.2	2996.0
20007890-1 STAGE 1-2 SPRING/FLEXURE	82.6	84.0	84.0	84.0
STAGE 2 KEEL BALLAST	806.7	806.7	806.7	806.7
STAGE 2 OTHER (Hardware)	86.9	86.9	86.9	86.9
20007810-1 GS-13 POD	287.0	287.0	287.0	287.0
GS-13 Locker	1.7	1.7	1.7	0.0
GS13	148.2	148.2	148.2	148.2
Small Actuators Magnets Assy	26.0	26.0	26.0	25.8
Stage 2 Subtotal	4406.2	4407.6	4407.6	4434.6
Payload (Used E0900084-BSC7-H2 for AdL)	1764	1764	1764	1804
Total	9707	9755	10106	10078
Load on ISI springs = S1+S2+Payload	8228	8229	8579	8248
Load on HEPI springs = S0+S1+S2+Payload	9707	9755	10106	10078
AdL Lift = (S0+S1+S2+Payload)-(Keel Balast)				9271
BSC ISI mass = S0+S1+S2 (Lbs)	7943	7991	8342	8274
BSC ISI mass = S0+S1+S2 (kg)	3610	3632	3792	3761

