





WA22	PROF	'EKIIES

X1/X2	Y1/Y2	COMPONENTS DESCRIPTION
1.516 Kg	1.466 Kg	SPB COMPONENTS FIXED TO S/C FOLLOWING DEPLOYMENT OF DEPLOYED ELEMENTS
.307 Kg	.357 Kg	SPB DEPLOYED COMPONENTS (SPHERE, PREAMP, COAX, FINE WIRE)
1.823 Kg	1.823 Kg	TOTAL MASS (EACH SPB UNIT IS OF IDENTICAL MASS, LAUNCH MASS)

Units: Kg

MASS

CENTER OF MASS LOCATION (CM), COMPONENTS FIXED TO \$/C Units: inches (m)

LOCATIO	OCATION FROM SPB ORIGIN		
Х	Y	Z	COMPONENTS DESCRIPTION
1.656 (.042)	2.240 (.057)	4.646 (.035)	X1/X2/Y1/Y2 SPB STOWED CONFIGURATION (LAUNCH)
1.385 (.035)	2.328 (.059)	4.931 (.125)	X1/X2 SPB (FOLLOWING FULL DEPLOYMENT OF WIRE, SPHERE, PREAMP
1.385 (.035)	2.328 (.059)	4.931 (.125)	Y1/Y2 SPB (FOLLOWING FULL DEPLOYMENT OF WIRE, SPHERE, PREAMP)

CENTER OF MASS LOCATION (CM), DEPLOYED COMPONENTS (WIRE, SPHERE, PREAMP) Units: inches (m)

LOCATION FROM SPB PIVOT POINT		OT POINT	COMPONENTS DESCRIPTION
Х	Υ	Z	GOMI GREINIG BEGGRII HON
331,063 (13.03)	0	0	X1/X2 DEPLOYED ELEMENTS
402,386 (15.84)	0	0	Y1/Y2 DEPLOYED ELEMENTS

MOMENT OF INERTIA (MoI), COMPONENTS FIXED TO S/C

MOI ABOUT SPB CM		CM	COMPONENTS DESCRIPTION
X	Y	Z	
.007	.011	.005	X1/X2/Y1/Y2 SPB STOWED CONFIGURATION (LAUNCH)
.006	.008	.004	X1/X2 SPB (FOLLOWING DEPLOYMENT OF WIRE, SPHERE, PREAMP
.006	.008	.004	Y1/Y2 SPB (FOLLOWING DEPLOYMENT OF WIRE, SPHERE, PREAMP)

MOMENT OF INERTIA (MoI), DEPLOYED COMPONENTS (WIRE, SPHERE, PREAMP) Units: Kg*square meters

Mol A	Mol ABOUT SPB PIVOT POINT		COMPONENTS DESCRIPTION
X	Y	Z	
0	64.39	64.39	X1/X2 DEPLOYED ELEMENTS
0	112.4	112.4	Y1/Y2 DEPLOYED ELEMENTS

B DWG. NO. REV
THM-SPB-ICD-001 AD
SHEET 3 OF 5

Units: Kg*square meters

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