











Mission	Voor	Platform	Atomic oxy	ygen fluence (atoms/cm²)	
MISSION	Tear	Plationin	MSIS prediction	Kapton-equiv.	ratio
EOIM-3	1986	STS-46	2.10E+20	2.40E+20	1.14
JEM/MPAC&SEED	2010	ISS	1.40E+21	5.90E+20*	0.42
MEDET	2008	ISS	2.30E+21	1.70E+21	0.71
AO fluence mea	asured b redicted	y MEDET values.	and JEM-SEED) missions are	smalle

6	AO fluences in MISSE-2						
		Atomic oxygen fluence (atoms/cm ²)					
	Location	Calculated*	Kapton-equiv.	ratio			
	Ram-side, near airlock	9.90E+21	6.5 - 6.8E+21	0.66 - 0.69			
	Ram-side, away from airlock	9.90E+21	8.5 - 9.1E+21	0.86 - 0.92			
	Wake-side	2.50E+19	1.67 - 1.99E+20	6.68 -7.96			
Pc	*Solar activity, ISS attitude and a consideration in the calculation (i *1.24E+22 if above mentioned corr ossible reasons: (1) Compl (2) Ey at I	ltitude and shieldin by Gary Pippin). ections were not app lex nature of n SS orbit is sm pal-time meas	g effect by docked orbi nied on Ram-side. nodeling for shie naller than 225 ki surement on sm	iter are taken into elding n? nall satellites i			
	beneficialExpecting the SLATS/AOFS data						





