

Table 1. Overview of predictions from the analytical model

Atmosphere	No. of Cycles	Shielding factor	Predicted mass loss (mg)		
			Fe	Cr	Ni
Vacuum	3	0	3.13	3.55	0.30
Helium	25	0.002	0.24	0.27	0.02
Argon	26	0.005	0.59	0.65	0.06
Total	54	-	3.97	4.48	0.38