Supporting Information for "Proton Properties in Mercury's Magnetotail: A Statistical Study"

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1. Table S1

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Table S1.   Model parameters obtained from the mean phase space density shown in Figure 1f

	Density(cm^{-3})	Temperature(keV)	Pressure(nPa)	Kappa
Single Gaussian[a]	2.1	0.89	0.30	-
Single Kappa	2.2	0.83	0.29	5.5
Gaussian-Kappa[b] Kappa part	2.2	0.84	0.30	5.7
Gaussian-Kappa[b] Gaussian part	0.2	0.02	< 0.01	-
Gaussian-Kappa[b] Total	2.4	0.77	0.30	5.7

[a] Green dashed line shown in Figure 1f.

[b] Red dashed line shown in Figure 1f.