

TABLE III  
Io plasma torus electron density measurements

Species	Source	Electron density [cm <sup>-3</sup> ]	Radial distance [R <sub>J</sub> ]	Date	Author
[SII]	Ground-based	2000		26, 27 Sep 1975, 15-19 Oct 1975	Brown (1976)
[SII]	Ground-based	3000	3-5	25, 26 Mar 1978	Brown (1978)
[SII]	Ground-based	1000-25 000	Wide range	Many years	Trafton (1980)
[SII]	Ground-based	1000-2000	5	7-11 Oct 1976	Trauger <i>et al.</i> (1980)
[SII]	Ground-based	5000	Averaged over de- tected part of slit	Jan-Mar 1979	Morgan and Pilcher (1982)
[SII]	Ground-based	1500 (cold torus)	5.5	May 1983	Trauger (1984a)
[SII]	Ground-based	4000 (ribbon)	5.9	May 1983	Trauger (1984a)
[SII]	Ground-based	4000	5.9	Feb-Apr 1981	Brown and Shemansky (1982)
[SII]	Ground-based	3000->10 000	Clumping	Feb-May 1981	Morgan (1985a)
[SII]	Ground-based	2000	5.4	Dec 1989	Jockers <i>et al.</i> (1991)
[OII]	Ground-based	2000		Jan-Mar 1979	Morgan and Pilcher (1982)
	Voyager I UVS	>2100		Mar 1979	Broadfoot <i>et al.</i> (1979)
	Voyager I PLS	2000		Mar 1979	Bagenal <i>et al.</i> (1980)
	Voyager I PRA	2000		Mar 1979	Warwick <i>et al.</i> (1979)