

## Errata

The following corrections are made in “Calculation of Antenna System Noise Temperatures at Different Ports—Revisited,” by T. Y. Otoshi, which appeared in *The Interplanetary Network Progress Report 42-150, April–June 2002*, August 15, 2002:

In the Abstract, on p. 1, the sentence, “It is not generally known that when the reference port is moved towards the horn aperture, the values of the operating system noise temperature,  $T_{op}$ , and effective receiver noise temperature,  $T_e$ , become larger and the antenna input termination noise temperature,  $T_{ia}$ , becomes smaller,” should be “It is not generally known that when the reference port is moved towards the horn aperture, the values of the operating system noise temperature,  $T_{op}$ , and effective receiver noise temperature,  $T_e$ , will always increase. It is also not generally known that, when the horn and waveguide are at cryogenic rather than ambient temperature, as will be shown in two examples in this article, the value of  $T_{ia}$  defined at the LNA reference port can be either larger or smaller than the value of  $T_{ia}$  defined at the horn aperture.”

Also, on p. 6, Eq. (16), which now reads

$$\begin{aligned} \text{Approx}(T_{op})_B &= \text{Approx}(T_{ea})_B + \text{Approx}(T_e)_B \\ &= T_{cb} + T_{atm} + T_{horn} + T_{wg} + T_{LNA} + T_{fu} \end{aligned} \quad (16)$$

should read

$$\begin{aligned} \text{Approx}(T_{op})_B &= \text{Approx}(T_{ia})_B + \text{Approx}(T_e)_B \\ &= T_{cb} + T_{atm} + T_{horn} + T_{wg} + T_{LNA} + T_{fu} \end{aligned} \quad (16)$$

Finally, in the middle of p. 12, the phrase “and substitutions into Eqs. (18), (20), and (21) for port A give...” should read “and substitutions into Eqs. (19), (21), and (22) for port A give...”