

Goodman, John M., 2005, *Space Weather & Telecommunications*, Springer, 101 Philip Drive, Assinippi Park, Norwell, MA 02061

CORRIGENDA
(Version dated 10 January 2005)

Page	Location	Change
233	Table 4-12 caption	Last sentence: Delete last sentence in caption, and replace it with the following: “The Uplink Metric data is provided by Patterson [2004], courtesy of ARINC. The <i>Ap</i> data were obtained from NOAA-SEC.”
233	Table 4-12	The Est. <i>Ap</i> value for Oct.29 should read “189”, not “04”.
233	Table 4-12	The Est. <i>Ap</i> value for Oct.30 should read “162”, not “08”.
233	Last Paragraph	Delete all but the 1 st sentence in the entire paragraph and extending to page 234, and replace with the following: “While this is interesting, a fully satisfactory interpretation is elusive. The globally-averaged block success rate (i.e., the specified metric) is clearly affected by magnetic activity for the period Oct 29-31, when the super-storm activity occurred (viz., average <i>Ap</i> ~ 148), since a suppressed metric value was ~ 54% was observed. In fact, a severely suppressed value for <i>Ap</i> of 51% was observed on the single day of largest <i>Ap</i> (i.e, October 29 th with <i>Ap</i> = 189). However, the impact of moderately elevated magnetic activity on HF DL is evidently minimal to non-existent, since the metric has an average value of ~ 57% (i.e., good) for all days in which <i>Ap</i> ≥ 30 (including the super-storm days), and is ~ 58 % (i.e., scarcely better) for all days in which <i>Ap</i> < 30. The super-storm days evidently account for this small difference in the average metrics. Looking at the raw day-to-day data, this suggests an <i>Ap</i> threshold of the order of 93 must be exceeded to have a noticeable impact on the HF DL block success metric (i.e., < 55%) and must be ≥ 162 to have a really significant impact (i.e., < 51%) on the metric. However, an <i>Ap</i> > 189 is no guarantee of significant impact on network-wide throughput. This is because of the block repeat strategy employed in HF DL that has been shown to return message success rates of at least 97% for block success rates of ~ 50% and higher.”
333	1 st line	“Table 6-12” to read “Table 6-14”



<http://www.springer.com/978-0-387-23670-4>

Space Weather & Telecommunications

Goodman, J.M.

2005, XX, 382 p., Hardcover

ISBN: 978-0-387-23670-4