ERRATUM: “NEW LIMITS ON RADIO EMISSION FROM X-RAY DIM ISOLATED NEUTRON STARS”

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As a result of an error at the Publisher, the incorrect version of Figure 3 (panel (a)) was published. The corrected figure appears below. IOP Publishing sincerely regrets this error.

Figure 3. Single-pulse search diagnostic plots for the 1.24 s pulsar J0628+09 without RFI excision (left) and with the manual RFI excision technique applied (using rfimarker, right). They have four smaller insets. Top: the histograms of the number of pulses vs. S/N and DM, and the dependence of S/N vs. DM (from left to right). Bottom: the main time-DM plot with the size of the points corresponding to the S/N of the pulse. The detection threshold is 5σ. The vertical lines of pulses are either stronger at zero DM or roughly constant over all the DM range. They are RFI signatures rather than a real pulse, which would appear as a vertical segment of pulses with S/N peaking at a non-zero DM and gradually fading toward the edges of the segment (see the bottom plot of Figure 4 for how the pulse signatures appear for the low-DM fake pulsar). The train of pulses is clearly seen in the right plot (bottom inset). The strong, peak in the S/N-DM inset confirms the detection.