## Errata: Two-photon microscope for multisite microphotolysis of caged neurotransmitters in acute brain slices

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This article [*J. Biomed. Opt.* **14**, 064033 (2009)] was originally published online on 31 December 2009 with errors in Table 1. The following corrections were made:

1) In column 2, row 2, the first numeral 2 underneath the square root bracket was removed;

2) In column 2, row 4,  $\theta_{\text{compensated}}$  was changed to  $\theta_{\text{dispersion}}$ . Also "gratting" was changed to "grating."

3) In column 4, row 6, the value "627" was changed to "672." The corrected table appears below.

In addition, in the line following Eq. (11) on page 8, the first super script -7 was corrected to -5 to read "with the parameters  $\lambda = 7.2 \times 10^{-5}$  cm,  $c = 3 \times 10^{-5}$  cm/fsec". All versions of the article were corrected on 12 January 2010 and the article appears correctly in print.

**Table 1** Theoretical spectral dispersion and compensation of TeO<sub>2</sub> AODs. The following parameters are used: wavelength  $\lambda$ =720 nm; spectral bandwidth  $\Delta\lambda$ =3.68 nm; AOD aperture *D*=10 nm; acoustic velocity v=676 m/sec; scan range  $\theta_{scan}$ =42.6 mrad; diffraction  $\theta_{diffraction}$ =0.0634 mrad; grating pitch *d* =150 grooves/mm; effective compensation frequency  $f_{comp}$ =vd $\sqrt{2}$ =71.1 MHz; and compensation  $\theta_{grating} = \sqrt{2}\Delta\lambda f_{comp}/v$ =552  $\mu$ rad.

		f <sub>min</sub> =50 MHz	f <sub>0</sub> =70 MHz	f <sub>max</sub> =90 MHz
2-D spectral dispersion $\theta_{dispersion}$	$\Delta\lambda\sqrt{f_x^2+f_y^2}/v$	385	539	639 <i>µ</i> rad
Dispersed resolution N	$\theta_{\rm scan}/\theta_{\rm dispersion}$	110	79	61 spots
Spot elongation S	$ heta_{ ext{dispersion}}/ heta_{ ext{diffraction}}$	6.1×	8.5×	10.9×
2-D spectral dispersion $\theta_{\text{compensated}}$	$ \theta_{\mathrm{dispersion}} - \theta_{\mathrm{grating}} $	167	13.1	141 $\mu$ rad
Compensated resolution N'	$\theta_{\rm scan}/ \theta_{\rm compensated}$	253	672ª	302 spots
Compensated spot elongation S'	$ heta_{ ext{compensated}}/ heta_{ ext{diffraction}}$	2.64×	0.21×	2.22×

<sup>a</sup>When  $\theta_{\text{compensated}} < \theta_{\text{diffraction}}$ , the number of compensated spots becomes  $N' = \theta_{\text{scan}} / \theta_{\text{diffraction}}$ , and the scanning is diffraction limited.