All page and line numbers refer to the published version. The corrections were made on the last arxiv version `arXiv:1704.01439`.

1) Line 3 on page 6899 should read:

otherwise, M is birational to a moduli space of possibly twisted rank-2 torsion-free sheaves.

2) The last item in the case $\gamma = 1$ of Theorem 6.1 (page 6901) should read:

and, if $n = 5n''$, with $n'' \equiv \pm 1 \pmod 5$,

The corresponding part of the proof starting on line 14 on page 6903 should be modified as follows:

In the second case, since the divisibility of κ in $H^2(X, \mathbf{Z})$ is 2, a and c are even, so that b is odd and $\kappa_* = (a, 1)$. We have $10 = s = \gcd(2na, 2b, 2c)$, hence b and c are divisible by 5, but not a, because $\gcd(a, b, c) = 1$. We have $e \equiv a^2 + n \pmod{4n}$, hence $e \equiv a^2 \equiv \pm 1 \pmod 5$.

In general, there are many possibilities for $a = 2a'$, with $a'^2 \equiv e \pmod{5e}$. However, if n is square-free, e divides a' and $(a'/e)^2 \equiv 1 \pmod 5$, so that $a \equiv \pm 2e \pmod{2n}$. It follows that $\pm a$ (hence also $\pm\kappa_*$) is well determined (modulo $2n$), so we have a single component of $\mathscr{D}^{(1)}_{2n,n/5}$.

3) Line -10 on page 6902 should read:

If $\gamma = 1$, the divisibility $s := \mathrm{div}_{h_0^\perp}(\kappa)$

4) Line 3 on page 6904 should read:

O'Grady's hypersurfaces $\mathbb{S}'_2 \cup \mathbb{S}''_2$, $\mathbb{S}_4$, $\mathbb{S}^\star_2$, are our $\mathscr{D}^{(1)}_{2,2}$, $\mathscr{D}^{(1)}_{2,4}$, $\mathscr{D}^{(1)}_{2,8}$