## ERRATA FOR "GAUGED FLOER THEORY OF TORIC MOMENT FIBERS"

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We correct several mistakes in [3]. The main results of [3], Theorem 1.1 and Theorem 6.7, seem to be unchanged.

- (a) Guangbo Xu has pointed out an error in the transversality Lemma 2.11, used in the estimate Proposition 6.7. The gap can be fixed as follows: First, an argument of Xu [4, Section 6] shows that if the symplectic quotient is of positive dimension, then there exists an invariant Hamiltonian perturbation so that every Floer trajectory is somewhere-transverse to complexified tangent spaces of the group orbits. Then a standard Sard-Smale argument shows that every Floer trajectory is regular, for a generic invariant compatible almost complex structure. This argument also fixes a gap in Frauenfelder's thesis [1, p. 44] which mistakenly claimed that equivariantly-regular points always exist for Floer trajectories. Further details can be found in the arxiv version [3] or in Xu's paper [4].
- (b) In Theorem 3.6 of [3], the strictness of the unit only holds for the  $A_2$ -truncation of CQF(L) (that is, for expressions involving  $\mu_0, \mu_1$  and  $\mu_2$ .) Only the strictness for the  $A_2$ -truncation was proved or used for the proof of Theorem 1.1. See also Ganatra [2] for an alternative approach which achieves strict units for the full  $A_{\infty}$  structure.
- (c) In Proposition 3.9 of [3] and following, the assumption that the group action on the Lagrangian is transitive (which holds in the toric case in Theorems 1.1 and 6.7) is missing in the statement of the Proposition. The missing assumption guarantees that there are no disks of negative Maslov index.

## References

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- [3] C. Woodward. Gauged Floer theory of toric moment fibers. *Geom. and Func. Anal.*, 21:680–749, 2011. Updated arxiv version arXiv:1004.2841.
- [4] G. Xu. Gauged Hamiltonian Floer homology I: definition of the Floer homology groups. Trans. Amer. Math. Soc., 368(4):2967–3015, 2016. arXiv:1312.6923

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