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Status report of the realignment for J-PARC 3GeV RCS

J-PARC 3GeV RCS suffered from the misalignments of several millimeters of the magnets in both horizontal and vertical directions caused by the Earthquake on March 11, 2011. As the beam loss was acceptable for beam operation at 300kW, the beam operation was implemented without alignment until May, 2013. Realignment of 3GeV RCS was carried out from July to November, 2013 in conjunction with the upgrade of Linac. During the realignment, adjustment of the magnets and the ceramics chambers was mainly performed. The magnets were adjusted to within $\pm 0.2\text{mm}$. The ceramics chambers were aimed to be adjusted within $\pm 0.5\text{mm}$. In this paper the realignment result and the present status of the equipment that constitute the beamline of 3GeV RCS are reported.

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