

BAA/JUPOS reports on circulation of the GRS from ground-based images:

Rogers JH (2008) 'The accelerating circulation of the Great Red Spot.' JBAA 118, 14-20.

Rogers J (2012) 'The accelerating circulation of the Great Red Spot.'
http://www.britastro.org/jupiter/2012_13report07.htm

Rogers JH (2014), Jupiter in 2013/14: Interim report no.7: 'The Great Red Spot in 2013/14', <http://alpo-j.asahikawa-med.ac.jp/kk14/j140406s.htm>

Rogers JH (2014) Jupiter in 2013/14, Report no. 9: 'The GRS and adjacent jets: Further analysis of amateur images, 2013/14.' http://www.britastro.org/jupiter/2013_14report09.htm

Rogers J & Jacquesson M (2014 Dec.2) Jupiter in 2014/15, Report no.2: 'Circulation of the GRS observed even more closely.' http://www.britastro.org/jupiter/2014_15report02.htm
[inc. animation of circulation within ~1 hour]

Jupiter in 2014/15: Report no.3. http://www.britastro.org/jupiter/2014_15report03.htm

Jupiter in 2014/15: Report no.7. 'High resolution imaging of Jupiter's winds.'
http://www.britastro.org/jupiter/2014_15report07.htm *[inc. animation of circulation within ~1 hour]*

Jupiter in 2014/15: Report no.12. 'Final numerical report.'
http://www.britastro.org/jupiter/2014_15report12.htm

Jupiter in 2015/16, Report no.3: Interim report. <https://www.britastro.org/node/7181>

Jupiter in 2015/16, Report No.6: 'Internal rotation of the GRS.'
<https://www.britastro.org/node/7228> *[inc. animations of circulation within ~1 hour]*

The deduced rotation period was consistently 3.6 to 3.8 days from 2014 Jan. to 2016 March, according to measurements over one or more intervals of 10 hours, by Michel Jacquesson & John Rogers. Also:

Abstract for EPSC 2015 in Nantes: Rogers JH and Jacquesson M., 'Circulation of Jupiter's Great Red Spot measured from amateur and Hubble images.'

Jupiter in 2015/16, Report No.13, Appendix 2: 'Mapping the circulation within the GRS'
(by M. Jacquesson & J.Rogers) *[mapping of speed with radius :]*

"The circulation is indistinguishable from solid-body rotation from 0.45 to 0.95 x outer visible radius. The mean rotation rate is 105 (± 16) deg/day, implying a rotation period of 3.4 (± 0.5) days. The absolute speed (referred to the minor axis) is thus proportional to radius, up to 150 (± 16) m/s."