

Jupiter 2022

Richard McKim, Upper Benefield, Northants.

The planet was observed from July 18 till November 12 only, because Mars demanded my attention more later. The 410 mm Dall-Kirkham was used only occasionally, with difficulty, because the dome roof shutters had been damaged by falling trees during the January storm, and repairs had so far proven impossible.

A short summary for the apparition:

SPR-STB (and STropZ): numerous belts in this region.

GRS: This appeared richly coloured; a dark orange-red. Intensity 5.5, not quite so dark as in 2021.

STropZ: This zone was white.

SEB: Slightly brownish. The components did not appear the same tint. On Oct 11 I saw that the S. component was grey, but a brown tint was apparent across the rest of the belt. A rift in the SEB(N) was seen on Nov 4.

EZ: This zone was dull white with a very slight yellowish tint noticed on Sep 23. The strong warm tint of 2021 had totally disappeared. On Sep 28 and later I just recorded a dull white tone.

EB: This seemed to have a warm (orange?) tint on Sep 23. This tint was not recorded later.

NEB: This was brown. On July 18 (254 mm Dobsonian) the NEB was narrower than it appeared last opposition, the N. part being faint. Later from around October, it appeared to be of normal width with the N. part restored.

NTropZ, NTZ: These zones looked white. NTropZ was brighter than the EZ.

The NTB was faint, but double.

NNTB: On Oct 11 small dark spots were seen. The belt was broad and considerably darker than the NTB.

The NNNTB was quite dark.

CM transits were taken of the GRS and a very few other features. These established that the Spot appeared to be 14.2 to 15.0 degrees long.

	<i>p. end</i>	<i>centre</i>	<i>f. end</i>
Oct 26	17.5	24.7	32.5
Nov 12	16.0	22.9	30.2

Scans of some of the better drawings are provided. These include marginal notes of white light intensity estimates.

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