

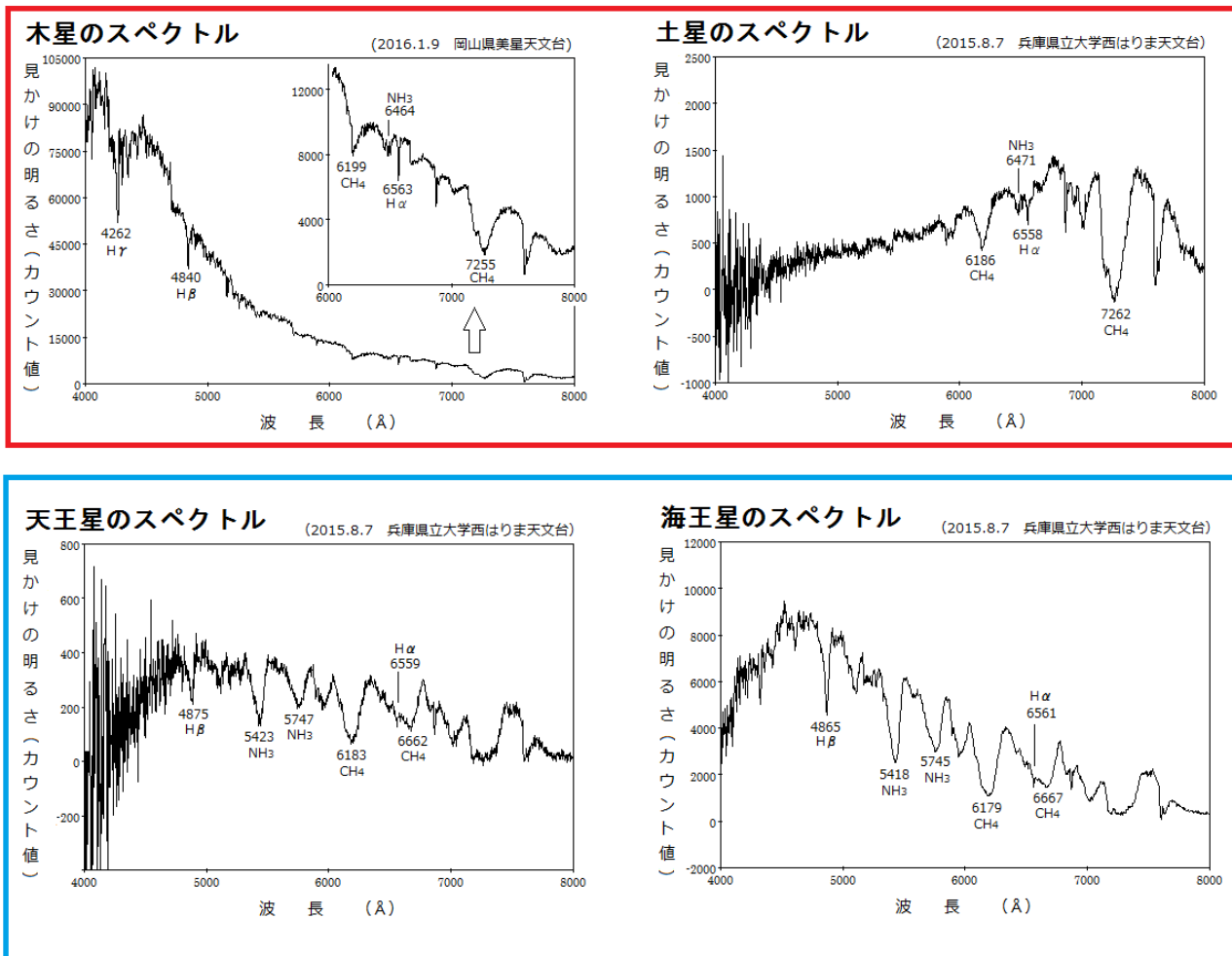
Ingredient Analysis of the Planetary Atmosphere

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We used a spectroscope and a large diameter telescope, from Nishi Harima Astronomical Observatory in Hyogo Prefecture and Bisei Observatory in Okayama Prefecture. Then, we decided to examine the components of the planetary atmosphere in the solar system. The spectrum of Mars, Jupiter, Saturn, Uranus and Neptune could be obtained. The chemical composition was identified from be absorption lines in each planets spectrum data. As a result, the spectrum of Mars had a clear difference to be other planets. In addition Jupiter and Saturn as well as Uranus and Neptune had different absorption lines. From this date, the atmospheric composition of Jupiter and Saturn, was confirmed to be a little different to Uranus and Neptune.

Keywords: Spectrum, Absorption line, Atmospheric composition



各惑星のスペクトル図