qualities of the surface in the neighbourhood of the Station. It appears that in the opinion of General de Schubert, this correction should have been made; and with a view thereto, there should be a careful levelling of all the astronomical stations, or at least of certain specified astronomical stations, on the arc. The question is discussed by M. Otto Struve in a paper in the *Bulletins of the Academy of St. Petersburg* (20 Feb. 1861), in which he maintains the contrary opinion, that this correction ought not to be made.

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The volume contains the Observations made with the Transit and Mural Circle in the years 1852, 1853, and 1854, the Observations of Planets and Comets with the Northumberland Equatoreal in the same interval being reserved for separate publication with those of preceding years.

The major part of the observations of the three years are directed towards the determination of the places of stars, and more especially such as are included in the list of 8000 zodiacal stars, observations of which were commenced in 1849.

The observations of the Moon and Moon-culminating Stars were discontinued at the end of 1852. The Sun, the Planet Neptune, and the Minor Planets, were observed in that and the two following years. All these observations were compared calculated places, and if no Ephemeris was available for the purpose, the places were directly computed from elements of the orbits.

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