



‘ABD-AL-‘ALĪ BĪRJANDĪ

‘ABD-AL-‘ALĪ B. MOḤAMMAD B. ḤOSAYN BĪRJANDĪ (or BARJANDĪ), NEZĀM-AL-DĪN, productive Islamic astronomer, said to have died in 934/1527-28 (although the authority for this date is unclear). His surviving works are as follows: 1. *Ab‘ad o aĵrām* (“Distances and sizes of celestial bodies”); Persian, completed 930/1523-24. The title is not original. 2. *Bīstbāb dar taqvīm* (“Twenty chapters on the calendar”); Persian, completed 883/1478. There is a commentary by Moẓaffar b. Moḥammad Qāsem Jonābadī, which is dedicated to Shah ‘Abbās I (1588-1629) and was perhaps completed in 1005/1596-97. Published in Tehran, 1854-55. 3. *Šarḥ taḥrīr al-maĵestī* (“Commentary on the *Taḥrīr al-Maĵestī*” [of Naṣīr-al-dīn Ṭūsī]; Arabic, completed in 921/1515-16. 4. *Šarḥ taḍkera* (“Commentary on the *Taḍkera*” [of Naṣīr-al-dīn Ṭūsī]; Arabic. This work was translated into Sanskrit by Nayanasukhopādhyāya in 1729; see D. Pingree, *Census of the Exact Sciences in Sanskrit*, Series A, IV (in press). 5. *Šarḥ-e bīst bāb dar aṣṭorlāb* (“Commentary on the Twenty chapters on the astrolabe” [of Naṣīr-al-dīn Ṭūsī]; Persian, completed in 899/1493-94. 6. *Šarḥ-e zīj-e solṭānī* (“Commentary on the *Zīj-e solṭānī*” [of Oloḡ Beg]; Persian. 7. *Ḥāšīa ‘alā šarḥ al-molakkaš* (“Marginal notes to the Commentary [of Qāzīzāda] on the Compendium” [of Jaġmīnī]; Arabic. 8. *Šarḥ al-resālat al-šamsīya fi’l-ḥesāb* (“Commentary on the Epistle to Šams concerning computation” [of Nīsābūrī]; Arabic. 9. *Resāla-ye hay‘a* (“Epistle on astronomy”); Persian. The attribution of this to Bīrjandī is uncertain; see Storey, II/1, p. 82. Brockelmann (*GAL* S. I, p. 931) associates it with the commentary on the *Taḍkera*. 10. *Moḳtašar fi bayān al-rašād* (“Summary on reports of observations”); Arabic. 11. *Resāla fi ālāt al-rašād* (“Epistle on observational instruments”); Arabic. 12. *Mašāreq al-aẓwā’ fi*



maʿrefat kammīyat mā bayna ʾtolūʿ al-fajr wa ʾtolūʿ al-šams (“Rising-points of lights: concerning the knowledge of the difference between the rising of dawn and the rising of the sun”); Arabic. 13. *Taḍkerat al-aḥbāb fī bayān al-taḥābb* (“Memoir of friends: concerning the explanation of friendship [of numbers]”); Arabic.

Bīrjandī also wrote some treatises on theology.

BIBLIOGRAPHY

Brockelmann, *GAL* S. I, pp. 865, 930-31; S. II, pp. 273, 591.

Storey, II/1, p. 54, 70-71, 80-81. Suter, *Mathematiker*, pp. 187-88 (no. 456).