

Tatara-San Pedro Project

References and Additional Data

References

- Condit, C., 2000, Dynamic digital maps: a Macintosh CD-ROM, Dept. Geosciences contribution No. 72, University of Massachusetts, Amherst, Massachusetts.
- Costa, F. and Singer, 2003, Evolution of Holocene Dacite and Compositionally Zoned Magma, Volcán San Pedro, Southern Volcanic Zone, Chile, *J. Petrology* 2002 43: 1571-1593.
- Dungan, M.A., Wulff, A., and Thompson, R., 2001, Eruptive stratigraphy of the Tatara-San Pedro Complex 36°S southern Volcanic Zone, Chilean Andes: Reconstruction method and implications for magma evolution at long-lived arc volcanic centers, *Journal of Petrology*, v. 42, p. 555-626.
- Nelson, S., Davidson, J.P., Heizler, M. and Kowallis, B., 1999, Tertiary tectonic history of the southern Andes: The subvolcanic sequence to the Tatara-San Pedro volcanic Complex, lat 36° S, *Geological Society of America Bulletin*, v. 111, p. 1137-1404.
- Singer, B. and others, 1997, Volcanism and erosion during the past 930 k.y. at the Tatara-San Pedro complex, Chilean Andes 36° S, *Geological Society of America Bulletin*, v. 109, p. 127-142.
- Winter, J., 2001, *An Introduction to Igneous and Metamorphic Petrology*, Prentice Hall, 697 pp.

Updated versions of the Dynamic Digital Map of the Tatara-San Pedro Complex can be found at the following URL: <http://ddm.geo.umass.edu>.

Additional Data

1. Digital Dynamic Map (DDM) of the Tartara San Pedro Complex created by Condit (2000) contains the following data:

- Geologic map
- Field photographs
- Major, minor and trace elements
- K-Ar and Ar-Ar data for selected samples
- Paleomagnetic data for selected samples

2. Regional data sets for igneous rocks in the Andes can be found in the textbook support materials for Winter (2001) *An Introduction to Igneous and Metamorphic Petrology*, Prentice Hall, 697 pp. at the following URL: <http://www.whitman.edu/geology/winter/>

Chemical data for volcanic rocks of the Andes, NVZ, CVZ & SVZ (ca. 500 analyses)

- Data compiled by Winter, 2001
- File: AndesVolc.xls
- Major, minor and trace elements

Chemical data for plutonic rocks of the Andes, mainly Peruvian Andes (ca. 250 analyses)

- Data compiled by Winter, 2001
- File: AndesPlu.xls
- Major, minor and trace elements

3. Chemical data for the subvolcanic rocks of the Tatarra-San Pedro region can be found in Nelson et al., 1999 *Geological Society of America Bulletin*.

- Major, minor and trace elements
- Sr, and Nd isotopes for selected samples

4. Chemical data for the Holocene lavas from the Tatarra-San Pedro complex can be found in Costa and Singer (2003) *Journal of Petrology*.

- Major, minor and trace elements
- Sr, Nd and Pb isotopes for selected samples