

Peer Reviewed Publications

Gross, C., Al-Samir, M., Bishop, J.L., Poulet, F., Postberg, F., Schubert, D. (2024). Prospecting in-situ resources for future crewed missions to Mars. *Acta Astronautica*, Volume 223, Pages 15-24, ISSN 0094-5765, <https://doi.org/10.1016/j.actaastro.2024.07.003>

Ovchinnikova, A., Jaumann, R., Walter, S. H. G., **Gross, C.**, Zuschneid, W., Postberg, F. (2024). A modeling approach for water and sediment transport in Jezero crater on Mars based on new geomorphological evidence. *Icarus*, 426, 116349, ISSN 0019-1035, <https://doi.org/10.1016/j.icarus.2024.116349>

Jaumann, R., Tirsch, D., Adeli, S., Bahia, R., Michael, G., le Deit, L., Grau Galofre, A., Head, J., Bohacek, E., **Gross, C.**, Walter, S. G. H., & Hiesinger, H. (2024). Geological Record of Water and Wind Processes on Mars as Observed by the Mars Express High Resolution Stereo Camera. *Space Science Reviews*, 220(4), 45. <https://doi.org/10.1007/s11214-024-01076-z>

Wilk, K. A., Bishop, J. L., Weitz, C. M., Parente, M., Saranathan, A. M., Itoh, Y., **Gross, C.**, Flahaut, J., & Seelos, F. (2024). Characterization of aqueous alteration and formation of salty exposures at Ius Chasma, Mars. *Icarus*, 408, 115800. <https://doi.org/https://doi.org/10.1016/j.icarus.2023.115800>

Bishop, J. L., **Gross C.**, Danielsen, J., Parente, M., Murchie, S. L., Horgan, B., Wray, J. J., Viviano, C., Ehlmann, B. L., Seelos, F. P. (2020). Multiple mineral horizons in layered outcrops at Mawrth Vallis, Mars, signify changing geochemical environments on early Mars. [10.1016/j.icarus.2020.113634](https://doi.org/10.1016/j.icarus.2020.113634)

Poulet, F., **Gross, C.**, Horgan, B., Loizeau, D., Bishop, J. L., Carter, J., Orgel, C. (2020). Mawrth Vallis, Mars: a fascinating place for future in situ exploration - Astrobiology –Volume 20, Issue 2. <https://doi.org/10.1089/ast.2019.2074>

Bishop, J. L., Fairén, A. G., Michalski, J. R., Gago-Duport, L., Baker, L. L., Velbel, M. A., **Gross, C.**, and Rampe, E. B. (2018) Surface clay formation during short-term warmer and wetter conditions on a largely cold ancient Mars. *Nature Astronomy*, v. 2, p. 206-213

Al-Samir, M., Nabhan, S., Fritz, J., Winkler, A., Bishop, J. L., **Gross, C.**, Jaumann, R. (2017). The paleolacustrine evolution of Juventae Chasma and Maja Valles and its implications for the formation of interior layered deposits on Mars. *Icarus*, Available online 27 December 2016, ISSN 0019-1035, <https://doi.org/10.1016/j.icarus.2016.12.023>

Michael, G.G., Walter, S.H.G., Kneissl, T., Zuschneid, W., **Gross, C.**, McGuire, P.C., Dumke, A., Schreiner, B., van Gasselt, S., Gwinner, K., Jaumann, R. (2016). Systematic processing of Mars Express HRSC panchromatic and colour image mosaics: Image equalisation using an external brightness reference. *Planetary and Space Science* 121; 18-26

Noel, A., Bishop, J.L., Al-Samir, M., **Gross, C.**, J. Flahaut, McGuire, P.C., Seelos, F., Weitz, C., Murchie, S. (2015). "Mineralogy, Morphology and Stratigraphy of the Light-Toned Interior Layered Deposits at Juventae Chasma". *Icarus*, doi:10.1016/j.icarus.2014.09.033

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McGuire, P.C., Bonnici, A., Bruner, K.R., **Gross, C.**, Ormö, J., Smosna, R.A., Walter, S. and Wendt, L. (2014). The Cyborg Astrobiologist: Matching of Prior Textures by Image Compression for Geological Mapping and Novelty Detection. *International Journal of Astrobiology* 13 (3): 191–202 (2014), doi:10.1017/S147355041300037

Dohm, J. M., Miyamoto, H., Ori, G. G., Fairén, A. G., Davila, A. F., Komatsu, G., Mahaney, W. C., Williams, J.-P., Joye, S. B., Di Achille, G., Oehler, D. Z., Marzo, G. A., Schulze Makuch, D., Acocella, V., Glamoclija, M., Pondrelli, M., Boston, P., Hart, K. M., Anderson, R. C., Baker, V. R., Fink, W., Kelleher, B. P., Furfaro, R., **Gross, C.**, Hare, T. M., Frazer, A. R., Ip, F., Allen, C. C. R., Kim, K. J., Maruyama, S., McGuire, P. C., Netoff, D., Parnell, J., Wendt, L., Wheelock, S. J., Steele, A., Hancock, R. G. V., Havics, R. A., Costa, P., and Krinsley, D. (2011). An inventory of potentially habitable environments on Mars: Geological and biological perspectives. *Analogs for Planetary Exploration: Geological Society of America Special Paper 483*, Pages 317–347, doi:10.1130/2011.2483 (21)

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Foing, B.H., Stoker, C., Zavaleta, J., Ehrenfreund, P., Thiel, C., Sarrazin, P., Blake, D., Page, J., Pletser, V., Hendrikse, J., Direito, S., Kotler, M., Martins, Z., Orzechowska, G., **Gross, C.**, Wendt, L., Clarke, J., Borst, A.M., Peters, S.T.M., Wilhelm, M.-B., Davies, G.R. and ILEWG EuroGeoMars 2009 Team. (2011). Field astrobiology research in Moon–Mars analogue environment: instruments and methods. *International Journal of Astrobiology*, Cambridge University Press, doi: 10.1017/S1473550411000036

Marzo, G.A., Davila, A.F., Tornabene, L.L., Dohm, J.M., Fairén, A.G., **Gross, C.**, Kneissl, T., Bishop, J.L., Roush, T.L. and McKay, C.P. (2010). Evidence for Hesperian impact-induced Hydrothermalism on Mars. *Icarus*, Volume 208, Pages 667-683

McGuire, P.C., **Gross, C.**, Wendt, L., Bonnici, A., Souza-Egipsy, V., Ormö, J., Díaz-Martínez, E., Foing, B.H., Bose, R., Walter, S., Oesker, M., Ontrup, J., Haschke, R. and Ritter, H. (2010). The Cyborg Astrobiologist: testing a novelty detection algorithm on two mobile exploration systems at Rivas Vaciamadrid in Spain and at the Mars Desert Research Station in Utah. *International Journal of Astrobiology*, 9: 11-27 Cambridge University Press doi:10.1017/S1473550409990358

Fairén, A. G., Chevrier, V., Abramov, O., Marzo, G. A., Gavin, P., Davila, A. F., Tornabene, L. L., Bishop, J. L., Roush, T. L., **Gross, C.**, Kneissl, T., Uceda, E., Dohm, J. M., Schulze-Makuch, D., Rodríguez, A., Amils, R., McKay, C. P. (2010). Phyllosilicates in Impact Craters on Mars: Pre- and Post-Impact Genesis. *PNAS – Proceedings of the National Academy of Sciences of the United States of America*, Issue 2010-07-06

Book Chapters

Chatzitheodoridis, E., Clerc, P., Kereszturi, A., Mason, N., Persson, E., Possnig, C., Poulet, L., Puumala, M., Sivula, O., Brucato, J. R., Cesari, L., Detrell, G., Ditrych, O., Fornaro, T., Gonçalves, B., **Gross, C.**, Hedlund, M., Hofmann, M., Krassakis, A., ... Tracht, K. (2024). Towards Permanent Settlements on Mars (from 1000 to 100,000 People). In C. Verseux, M. Gargaud, K. Lehto, & M. Viso (Eds.), *Mars and the Earthlings: A Realistic View on Mars Exploration and Settlement* (pp. 253–339). Springer Nature Switzerland. https://doi.org/10.1007/978-3-031-66881-4_8

Siljeström, S., Baatout, S., de Vera, J.-P., Dehant, V., Freissinet, C., **Gross, C.**, Lee, N. M., Mangold, N., Noack, L., Plesa, A.-C., Rivoldini, A., & ten Kate, I. L. (2024). Mars in Short: Past and Present Geology and Climate. In C. Verseux, M. Gargaud, K. Lehto, & M. Viso (Eds.), *Mars and the Earthlings: A Realistic View on Mars Exploration and Settlement* (pp. 5–50). Springer Nature Switzerland. https://doi.org/10.1007/978-3-031-66881-4_2

Conference Abstracts

Gross, C., Al-Samir, M., Bishop, J. L., Poulet, F., Postberg, F., Schubert, D. (2024). Resource Reconnaissance for Future Crewed Missions to Mars. Europlanet Science Congress 2024, held 8-13 September, 2024 at Freie Universität, Berlin, Germany. Online at <https://www.epsc2024.eu/>, id. EPSC2024-807

Ovchinnikova, A., Jaumann, R., Walter, S. H. G., **Gross, C.**, Zuschneid, W., Postberg, F. (2024). Water and Sediment Transport Processes in Jezero Crater. Europlanet Science Congress 2024, held 8-13 September, 2024 at Freie Universität, Berlin, Germany. Online at <https://www.epsc2024.eu/>, id. EPSC2024-748

Bishop, J. L., Meusburger, J. M., Talla, D., Weitz, C. M., Parente, M., **Gross, C.**, Saranathan, A. M., Itho, Y., Gruendler, M. R. D., Howells, A., Yeşilbaş, M., Hiroi, T., Schmitt, B., Maturilli, A., Al-Samir, M., Bristow, F., Lafuente, B. and Wildner, M. (2024). Characterizing the New Mineral FeSO₄OH on Mars and Describing its Geochemical History and Association with Other Sulfates. Europlanet Science Congress 2024, held 8-13 September, 2024 at Freie Universität, Berlin, Germany. Online at <https://www.epsc2024.eu/>, id. EPSC2024-289

Bishop, J. L., Weitz, C. M., Parente, M., **Gross, C.**, Saranathan, A. M., Itho, Y., Meusburger, J. M., Gruendler, M. R. D., Talla, D., Howells, A. (2024). Characterizing Fe Hydroxysulfate at Aram Chaos and the Juventae Chasma Plateau to Constrain the Geochemical History of Mars. Tenth International Conference on Mars, held 22-25 July, 2024 in Pasadena, California and Virtually. LPI Contribution No. 3007, 2024, id.3428

Weitz, C. M., Bishop, J. L., Parente, M., Itoh, Y., Saranathan, A., Al-Samir, M., **Gross, C.** (2024). Analyses of the Sulfates Within Juventae Chasma Using New CRISM Processing Techniques. Tenth International Conference on Mars, held 22-25 July, 2024 in Pasadena, California and Virtually. LPI Contribution No. 3007, 2024, id.3356

Bishop, J. L., Weitz, C. M., Parente, M., **Gross, C.**, Saranathan, A. M., Itho, Y., Meusburger, J. M., Gruendler, M. R. D., Al-Samir, M. (2024). Investigating Sulfate Alteration on the Juventae Chasma Plateau to Reconstruct the Ancient Geochemical History. 55th Lunar and Planetary Science Conference, Abstract # 3040

Bishop, J. L., Gruendler, K. E. W., Parente, M., Saranathan, A. M., **Gross, C.** (2023). Investigating the Diversity of Phyllosilicates and Sulfates at Mawrth Vallis, Mars and the Implications for Changing Environmental Conditions. 55th Annual Meeting of the Division for Planetary Sciences, id. 217.06. Bulletin of the American Astronomical Society, Vol. 55, No. 8 e-id 2023n8i217p06

Gruendler, K. E. W., Bishop, J. L., Parente, M., Saranathan, A. M., **Gross, C.** (2023). Characterization of Moist Environments at Mawrth Vallis, Mars Through Comparison with Volcanic Alteration on the Island of Kauai. *55th Annual Meeting of the Division for Planetary Sciences*, id. 212.02. *Bulletin of the American Astronomical Society*, Vol. 55, No. 8 e-id 2023n8i212p02

Schreiner, B. P., **Gross, C.**, Jaumann, R., Neesemann, A., Walter, S. H. G. (2023). Virtual Reality: Visualisation of Mars Image Data from HRSC, CTX and HiRISE for Public Outreach and Research. *54th Lunar and Planetary Science Conference*, Abstract # 2806

Gross, C., Munteanu, R. R. C., Walter, S. H. G., Patermann, L., Schreiner, B., Jaumann, R., HRSC/Mars Express Teams. (2023). 20 Years of High Resolution Stereo Camera Image Releases of ESA's Mars Express Mission. *54th Lunar and Planetary Science Conference*, Abstract # 1951

Bishop, J. L., Parente, M., Saranathan, A. M., **Gross, C.**, Itho, Y., Elwood Madden, M. E. (2023). Diverse Phyllosilicate Assemblages in the Mawrth Vallis Channel. *54th Lunar and Planetary Science Conference*, Abstract # 1913

Walter, S. H. G., **Gross, C.**, Neesemann, A., Munteanu, R., Jaumann, R., Postberg, F., Bell, J. (2022). An Interactive Virtual Hiking Map for Jezero Crater, the Mars 2020 Perseverance Rover Landing Site. *European Planetary Science Congress (EPSC)*, Grenada, Spain, 18-23 September, <https://doi.org/10.5194/epsc2022-32>

Schreiner, B. P., **Gross, C.**, Neesemann, A., Walter, S. H. G., Postberg, F. (2022). Virtual Reality: Visualisation of Mars HRSC Image Data for Public Outreach and Research. *53rd Lunar and Planetary Science Conference*, Abstract #1921

Gross, C., Al-Samir, M., Bishop, J. L., Poulet, F., Schubert, D., Zabel, P. (2022). Prospecting In-Situ Resources for Future Manned Missions to Mars. *53rd Lunar and Planetary Science Conference*, Abstract #1946

Walter, S. H. G., Neu, D., **Gross, C.**, Neesemann, A., Balthasar, H., Jaumann, R., Postberg, F. (2022). An Interactive Virtual Hiking Map for the Mars 2020 Perseverance Landing Site, Jezero Crater. *53rd Lunar and Planetary Science Conference*, Abstract #1921

Bishop, J. L., Parente, M., Saranathan, A. M., Itho, Y., **Gross, C.** (2021). The Clay Sulfate Transition at Mawrth Vallis and Implications for Changes in the Geochemical Environment and Climate. *AGU Fall Meeting*, New Orleans, LA, Abstract P24A-09

Al-Samir, M., **Gross, C.**, Schubert, D. (2021). A Plausible Formation Model for the Maja Valles Outflow Channel System. *52nd Lunar and Planetary Science Conference*, Abstract #1491

Bishop, J. L., Weitz, C. M., Parente, M., **Gross, C.**, Saranathan, A. M., Itho, Y., Al-Samir, M. (2021). Correlating Sulfates with the Aqueous Geochemical History at Juventae Chasma, Mars. *52nd Lunar and Planetary Science Conference*, Abstract #1082

Gross, C., Balthasar, H., Dumke, A., Neu, D., Schreiner, B., Walter, S., Jaumann, R. (2021). Looking Back to 17 Successful Years of High Resolution Stereo Camera Image Release of ESA's Mars Express Mission. *52nd Lunar and Planetary Science Conference*, Abstract #1480

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Wilk, K. A., Bishop, J. L., Itho, Y., Saranathan, A. M., Parente, M., Weitz, C. M., Flahaut, J., **Gross, C.**, Seelos, F. (2021). Characterizing Unusual Deposits at Ius Chasma, Mars. 52nd Lunar and Planetary Science Conference, Abstract #1322

Gross, C., Bishop, J. L. (2020). Tracking Layered Deposits Across the Dichotomy Boundary into the Northern Lowlands of Mars. 51th Lunar and Planetary Science Conference, Abstract # 2278

Ehrlich, J., **Gross, C.** (2020). Morphological Mapping of Becquerel Crater, Mars and Coparison of Light-Toned Layerd Deposit Formation Theories. 51th Lunar and Planetary Science Conference, Abstract # 1988

Bishop, J. L., **Gross, C.**, Danielsen, J., Perrin, S., Miura, J., Usabal, G., Sessa, A., Wray, J. (2019). Multiple Mineral Horizons at Mawrth Vallis, Mars, Represent Changing Environmental Conditions. EPSC-DPS Joint Meeting, id. EPSC-DPS2019-1175

Weitz, C. M., Bishop, J. L., Flahaut, J., **Gross, C.**, Saranathan, A. M., Itoh, Y., and Parente, M. (2019). Evidence for Hesperian Acidic Alteration in Ius Chasma. Ninth International Conference on Mars, LPI Contribution # 2089, id.6240

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Gross, C., Bishop, J. L., Carter, J., Horgan, B., Loizeau, D., Orgel, C., and Poulet, F. (2019). Investigating Fractured Phyllosilicate-Rich Deposits at Mawrth-Vallis, Mars. 50th Lunar and Planetary Science Conference, Abstract # 1517

Musiol, S., Balthasar, H., Dumke, A., **Gross, C.**, Michael, G., Neu, D., Schreiner, B., and Jaumann, R. (2019). 15 Years High Resolution Stereo Camera Observations with ESA's Mars Express Mission. 50th Lunar and Planetary Science Conference, Abstract # 1537

Schreiner, B. P., Neu, D., Musiol, S., Balthasar, H., Dumke, A., **Gross, C.**, and Michael, G. G. (2019). HRSC on Mars Express - Image Mosaicking for Public Outreach: Korolev Crater. 50th Lunar and Planetary Science Conference, Abstract # 2735

Michael, G. G., Walter, S. H., Zuschneid, W., **Gross, C.**, Schreiner, B., and Gwinner, K. (2019). Brightness Equalization for Mars Images as Applied to HRSC Image Mosaics. 4th Planetary Data Workshop - Flagstaff, Arizona. LPI Contribution # 2151, id.7058

Bishop, J. L., Wray, J. J., Sessa, A. M., Danielson, J. M., Ehlmann, B. L., Murchie, S. L., Horgan, B., **Gross, C.**, Parente, M., and Seelos, F. P. (2018). Evidence of Salty Residues in Layered Outcrops at Mawrth Vallis and Implications for Evaporative Environments on Early Mars. 49th Lunar and Planetary Science Conference, Abstract # 1117

Gross, C., Orgel, C., Poulet, F., Carter, J., Horgan, B., and Bishop, J. L. (2018). ExoMars 2020 — High Priority Science Targets Within the Mawrth Vallis Candidate Landing Site. 49th Lunar and Planetary Science Conference, Abstract # 1405

Hiesinger, H., Bernhardt, H., Reiss, D., Tirsch, D., Jaumann, R., Hauber, E., Head, J. W., Michael, G., Williams, D. A., Bishop, J. L., Poulet, F., Muller, J.-P., **Gross, C.**, Gwinner, K., Adeli, S., and Fanara, L. (2018). Absolute Model Ages and Stratigraphy of Neukum Crater Geologic Units, 49th Lunar and Planetary Science Conference, Abstract # 2001

Musiol, S., Balthasar, H., Dumke, A., **Gross, C.**, Neu, D., Schreiner, B., and Jaumann, R. (2018). 15 years of fascinating Mars press images and movies from the High Resolution Stereo Camera on Mars Express, prepared at Freie Universität Berlin. *European Planetary Science Congress, EPSC2018-329*

Hiesinger, H., Bernhardt, H., Reiss, D., Tirsch, D., Jaumann, R., Hauber, E., Head, J. W., Michael, G., Williams, D. A., Bishop, J. L., Poulet, F., Muller, J. P., **Gross, C.**, Gwinner, K., Adeli, S., and Fanara, L., Neukum Crater in Noachis Terra, Mars (2018). Absolute Model Ages and Stratigraphy. *Proceedings EGU General Assembly Conference, Volume 20*, p. 13328

Tirsch, D., Jaumann, R., Adeli, S., Berhardt, H., Bishop, J. L., Fanara, L., **Gross, C.**, Gwinner, K., Hauber, E., Head, J. W., Hiesinger, H., Michael, G., Muller, J.-P., Poulet, F., Reiss, D., Williams, D. A., Pinet, P., Foing, B., and McCord, T. (2018). The Complex Geomorphology of Neukum Crater on Mars. *Proceedings EGU General Assembly Conference, Volume 20*, p. 1959

Bishop, J. L., Fairén, A. G., Michalski, J. R., Gago-Duport, L., Baker, L. L., Velbel, M. A., **Gross, C.**, and Rampe, E. B. (2017). Diverse Early Aqueous Environments and Climate on Mars Revealed by the Phyllosilicate Record. *Proceedings Fourth International Conference on Early Mars: Geologic, Hydrologic, and Climatic Evolution and the Implications for Life, Volume 2014*, Abstract # 3030

Bishop, J. L., Baker, L., Fairén, A. G., Michalski, J. R., Gago-Duport, L., Velbel, M. A., Gross, C., and Rampe, E. B. (2017). Implications of Martian Phyllosilicate Formation Conditions to the Early Climate on Mars. *AGU Fall Meeting Abstracts*, Abstract # P31F-04.

Gross, C., Carter, J., Poulet, F., Loizeau, D., Bishop, J.L., Horgan, B., Michalski, J. (2017). Mawrth Vallis – An auspicious destination for the ESA and NASA 2020 landers. *48th Lunar and Planetary Science Conference*, Abstract # 2194

Bishop, J.L., Baker, L.L., Fairen, A.G., **Gross, C.**, Velbel, M.A., Rampe, E.B., Michalski, J.R. (2017). Unraveling the diversity of early aqueous environments and climate on Mars through the phyllosilicate record. *48th Lunar and Planetary Science Conference*, Abstract # 1804

Bishop, J.L., **Gross, C.**, Tirsch, D., Tornabene, L.L., Carter, J., Erkeling, G. (2016). Impacts on Mars: Excavation and/or Hydrothermal Alteration. *79th Annual Meeting of the Meteoritical Society*, Abstract # 6462

Gross, C., Poulet, F., Michalski, J., Horgan, B., Bishop, J.L. (2016). Mawrth Vallis – Proposed Landing Site for EXOMARS 2018/2020. *47th Lunar and Planetary Science Conference*, Abstract # 1421

Weitz, C.M., Bishop, J.L., Tornabene, L.L., Mest, S.C., Grant, J.A., **Gross, C.**, Rodriguez, J.A.P. (2016). Disrupted Hydrated Deposits in Southeastern Noctis Labyrinthus: Possible Displaced Subsurface Materials From Oudemans Crater? *47th Lunar and Planetary Science Conference*, Abstract # 1610

McGuire, P.C., Audouard, J., Dunker, **Gross, C.**, Kneissl, T., Michael, G., Ody, A., Poulet, F., Schreiner, B., van Gasselt, S., Walter, S.H.G., Wendt, L., Zuschneid, W. (2016). True- and False-Color HRSC+OMEGA Image Mosaics of Mars. *47th Lunar and Planetary Science Conference*, Abstract # 1031

Bishop, J.L., **Gross, C.**, Rampe, E.B., Wray, J.J., Parente, M., Horgan, B., Loizeau, D., Viviano-Beck, C.E., Clark, R.N., Seelos, F.P., Ehlmann, B.L., Murchie, S.L. (2016). Mineralogy of Layered Outcrops at Mawrth Vallis and Implications for Early Aqueous Geochemistry on Mars. *47th Lunar and Planetary Science Conference*, Abstract # 1332

Gross, C., Bishop, J. L., Maturilli, A., D'Amore, M., Helbert, J. (2015). A Hydrothermally Altered, Mn-incrusted Sediment as an Analogue for Martian Deposits? AGU Fall Meeting, San Francisco, Calif., Abstract P31A-2039

Horgan, B., Loizeau, D., Poulet, F., Bishop, J., Noe Dobrea, E. Z., Farrand, W., Michalski, J., **Gross, C.**, Kleinhenz, J., Linne, D. (2015). Habitable Noachian Environments and Abundant Resources in the Mawrth Vallis Exploration Zone. *First Landing Site/Exploration Zone Workshop for Human Missions to the Surface of Mars*, 27-30 October 2015, Houston, Texas. LPI Contribution No. 1879, p.1009

Bishop, J. L., **Gross, C.**, Parente, M., Wray, J., Horgan, B., Viviano-Beck, C., Seelos, F. (2015). The transition from neutral to acidic alteration at Mawrth Vallis as observed from the mineralogical record. 2015 GSA Annual Meeting, Baltimore, Maryland, 1-4 November, Abstract # 260648

Bishop, J. L., **Gross, C.** (2015). Bentonite composition and stratigraphy at Mawrth Vallis, Mars. *Euroclay and The Clay Minerals Society 52nd Annual Meeting*, Edinburgh, Scotland, 5-7 July, Abstract # 314

Michael, G., Walter, S., McGuire, P., Kneissl, T., van Gasselt, S., **Gross, C.**, Schreiner, B., Zuschneid, W. (2015). Systematic Processing of Mars Express HRSC Image Mosaic Quadrangles. European Geosciences Union General Assembly, Vienna; *Geophysical Research Abstracts*, Vol. 17, EGU2015-6956

Gross, C., Carter, J., Tornabene, L. L., Sowe, M., Bishop, J. L. (2015). Stratified Phyllosilicate-bearing Deposits within Impact Craters in the Northern Plains of Mars. *46th Lunar and Planetary Science Conference*, Abstract # 1817

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