Aa, E., Zhang, S. R., Erickson, P. J., Vierinen, J., Coster, A. J., Goncharenko, L. P., . . . Rideout, W. (2022). Significant ionospheric hole and equatorial plasma bubbles after the 2022 Tonga volcano eruption. Space Weather, 20(7), e2022SW003101.

Aa, E., Zhang, S. R., Erickson, P. J., Wang, W., Coster, A. J., & Rideout, W. (2022). 3-D Regional Ionosphere Imaging and SED Reconstruction With a New TEC-Based Ionospheric Data Assimilation System (TIDAS). Space Weather, 20(4), e2022SW003055. doi:https://doi.org/10.1029/2022SW003055

Aa, E., Zhang, S. R., Wang, W., Erickson, P. J., Qian, L., Eastes, R., . . . Daniell, R. E. (2022). Pronounced suppression and X-pattern merging of equatorial ionization anomalies after the 2022 Tonga volcano eruption. Journal of Geophysical Research: Space Physics, 127(6), e2022JA030527.

Abbott, L. D., Flowers, R. M., Metcalf, J., Falkowski, S., & Niazy, F. (2022). Post-Laramide, Eocene epeirogeny in central Colorado—The result of a mantle drip? Geosphere.
Albrecht, H. (2022). GPS-Empfänger und Rohdaten. In Geometrie und GPS (pp. 83-101): Springer.

Alkan, R. M., Erol, S., & Mutlu, B. (2022). Real-time multi-GNSS Precise Point Positioning using IGS-RTS products in Antarctic region. Polar Science, 100844.
Andreyev, A., Kapytin, V., Mukasheva, S., & Somsikov, V. (2022). Development of a system for detecting traveling ionospheric disturbances based on GNSS data. Atmosphere, 13(2), 183.

Astafyeva, E., Yasyukevich, Y. V., Maletckii, B., Oinats, A., Vesnin, A., Yasyukevich, A., . . . Guendouz, N. (2022). Ionospheric Disturbances and Irregularities during the 25–26 August 2018 Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 127(1), e2021JA029843. doi:https://doi.org/10.1029/2021JA029843

Bai, X., Wen, W., & Hsu, L.-T. (2022). Time-correlated Window Carrier-phase Aided GNSS Positioning Using Factor Graph Optimization for Urban Positioning. IEEE Transactions on Aerospace and Electronic Systems.

Bai, Y., Liu, C., Lay, T., Cheung, K. F., & Ye, L. (2022). Optimizing a model of coseismic rupture for the 22 July 2020 MW 7.8 Simeonof earthquake by exploiting acute sensitivity of tsunami excitation across the shelf break. Journal of Geophysical Research: Solid Earth, e2022JB024484. doi:https://doi.org/10.1029/2022JB024484

Bernard, B., Ramón, P., García, L., Hernandez, S., Vasconez, F. J., Viracucha, G., & Hidalgo, S. (2022). Volcanic event management in the Galápagos Islands, Ecuador. Volcanica, 5(1), 209-225.

Bosser, P., Van Baelen, J., & Bousquet, O. (2022). Routine Measurement of Water Vapour Using GNSS in the Framework of the Map-Io Project. Atmosphere, 13(6), 903.

Boudin, F., Bernard, P., Meneses, G., Vigny, C., Olcay, M., Tassara, C., . . . Satriano, C. (2022). Slow slip events precursory to the 2014 Iquique Earthquake, revisited with long-base tilt and GPS records. Geophysical Journal International, 228(3), 2092-2121.

Braddock, S., Hall, B. L., Johnson, J. S., Balco, G., Spoth, M., Whitehouse, P. L., . . . Woodward, J. (2022). Relative sea-level data preclude major late Holocene ice-mass change in Pine Island Bay. Nature Geoscience, 1-5.

Bywater-Reyes, S., & Pratt-Sitaula, B. (2022). A remote field course implementing high-resolution topography acquisition with geomorphic applications. Geoscience Communication, 5(2), 101-117.

Cao, B., Haase, J. S., Murphy, M. J., Alexander, M. J., Bramberger, M., & Hertzog, A. (2022). Equatorial waves resolved by balloon-borne Global Navigation Satellite System radio occultation in the Strateole-2 campaign. Atmospheric Chemistry and Physics, 22(23), 15379-15402.

Chang, H., Kil, H., Sun, A. K., Zhang, S. R., & Lee, J. (2022). Ionospheric disturbances in low- and midlatitudes during the geomagnetic storm on 26 August 2018. Journal of Geophysical Research: Space Physics, 127(2), e2021JA029879. doi:https://doi.org/10.1029/2021JA029879

Cherniak, I., & Zakharenkova, I. (2022). Development of the Storm-Induced Ionospheric Irregularities at Equatorial and Middle Latitudes During the 25–26 August 2018 Geomagnetic Storm. Space Weather, 20(2), e2021SW002891. doi:https://doi.org/10.1029/2021SW002891

Cherniak, I., Zakharenkova, I., & Krankowski, A. (2022). IGS ROTI Maps: Current Status and Its Extension towards Equatorial Region and Southern Hemisphere. Sensors, 22(10), 3748. doi:https://doi.org/10.3390/s22103748

Chiaraluce, L., Festa, G., Bernard, P., Caracausi, A., Carluccio, I., Clinton, J. F., . . . Ergintav, S. (2022). The Near Fault Observatory community in Europe: a new resource for faulting and hazard studies. Annals of Geophysics, 65(3), DM316.

Churchill, R., Werner, M., Biggs, J., & Fagereng, Å. (2022). Afterslip moment scaling and variability from a global compilation of estimates. Journal of Geophysical Research: Solid Earth, 127(4), e2021JB023897. doi:https://doi.org/10.1029/2021JB023897

Cigna, F., & Tapete, D. (2022). Urban growth and land subsidence: Multi-decadal investigation using human settlement data and satellite InSAR in Morelia, Mexico. Science of The Total Environment, 811, 152211.

Corsa, B., Barba-Sevilla, M., Tiampo, K., & Meertens, C. (2022). Integration of DInSAR Time Series and GNSS Data for Continuous Volcanic Deformation Monitoring and Eruption Early Warning Applications. Remote Sensing, 14(3), 784.

Cosenza-Muralles, B., DeMets, C., Márquez-Azúa, B., Sánchez, O., Stock, J., Cabral-Cano, E., & McCaffrey, R. (2022). GPS-derived interseismic fault locking along the Jalisco–Colima segment of the Mexico subduction zone. Geophysical Journal International, 228(3), 2174-2197.

Cosenza-Muralles, B., DeMets, C., Márquez-Azúa, B., Sánchez, O., Stock, J., Cabral-Cano, E., & McCaffrey, R. (2022). Co-seismic and post-seismic deformation for the 1995 Colima–Jalisco and 2003 Tecomán thrust earthquakes, Mexico subduction zone, from modelling of GPS data. Geophysical Journal International, 228(3), 2137-2173.

D'Araújo, J., Sigmundsson, F., Ferreira, T., Okada, J., Lorenzo, M., & Silva, R. (2022). Plate Boundary Deformation and Volcano Unrest at the Azores Triple Junction Determined From Continuous GPS Measurements, 2002–2017. Journal of Geophysical Research: Solid Earth, 127(1), e2021JB023007. doi:https://doi.org/10.1029/2021JB023007

da Cruz Ferreira, R., Carvalho, A. S., Cioce, V. J., & da Fonseca Junior, E. S. (2022). Análise Comparativa da Acurácia Posicional Proporcionada por Plataformas de Processamento de Dados GPS no Posicionamento Relativo e por Ponto Preciso. Rev. Bras. Cartogr, 74(1).

Dabbakuti, J., Yarrakula, M., Panda, S. K., Jamjareegulgarn, P., & Haq, M. A. (2022). Total electron content prediction using singular spectrum analysis and autoregressive moving average approach. Astrophysics and Space Science, 367(1), 1-10.

de Freitas, K. X. S., Nascimento, L. A., & Dal Poz, W. R. (2022). Análise da influência ionosférica e solar na acurácia do IBGE-PPP utilizando séries temporais. Revista Brasileira de Geomática, 10(1), 020-048.

Denlinger, R. P., & Flinders, A. (2022). Density structure of the island of Hawai'i and the implications for gravity-driven motion of the south flank of Kīlauea Volcano. Geophysical Journal International, 228(3), 1793-1807.

Dimitrov, N., & Nakov, R. (2022). GPS Results from Long Time Monitoring of Geodynamic Processes in South-Western Bulgaria. Applied Sciences, 12(5), 2682.

Dittmann, T., Hodgkinson, K., Morton, J., Mencin, D., & Mattioli, G. S. (2022). Comparing Sensitivities of Geodetic Processing Methods for Rapid Earthquake Magnitude Estimation.

Seismological Society of America, 93(3), 1497-1509.
doi:https://doi.org/10.1785/0220210265

Dittmann, T., Liu, Y., Morton, Y., & Mencin, D. (2022). Supervised Machine Learning of High Rate GNSS Velocities for Earthquake Strong Motion Signals. Journal of Geophysical Research: Solid Earth, 127(11), e2022JB024854.

Domazetović, F., Šiljeg, A., Marić, I., & Panđa, L. (2022). A New Systematic Framework for Optimization of Multi-Temporal Terrestrial LiDAR Surveys over Complex Gully Morphology. Remote Sensing, 14(14), 3366.

Ducellier, A., & Creager, K. C. (2022). An 8-Year-Long Low-Frequency Earthquake Catalog for Southern Cascadia. Journal of Geophysical Research: Solid Earth, 127(4), e2021JB022986. doi:https://doi.org/10.1029/2021JB022986

Duman, H., & Sanli, D. U. (2022). A new approach considering temporal correlations for GPS campaign time series. Computers & Geosciences, 162, 105078.

Durand, V., Gualandi, A., Ergintav, S., Kwiatek, G., Haghshenas, M., Motagh, M., . . . Martínez-Garzón, P. (2022). Deciphering aseismic deformation along submarine fault branches below the eastern Sea of Marmara (Turkey): Insights from seismicity, strainmeter, and GNSS data. Earth and Planetary Science Letters, 594, 117702.

Dwivedi, D., Santos, A., Barnard, M. A., Crimmins, T. M., Malhotra, A., Rod, K. A., . . . Brearley, F. Q. (2022). Biogeosciences perspectives on integrated, coordinated, open, networked (ICON) science. Earth and Space Science, 9(3), e2021EA002119. doi:https://doi.org/10.1029/2021EA002119

Dye, M., Stamps, D. S., Mason, M., & Saria, E. (2022). Toward autonomous detection of anomalous GNSS data via applied unsupervised artificial intelligence. International Journal of Semantic Computing, 16(01), 29-45. doi:https://doi.org/10.1142/S1793351X22400025

Elliott, J. L., Grapenthin, R., Parameswaran, R. M., Xiao, Z., Freymueller, J. T., & Fusso, L. (2022). Cascading rupture of a megathrust. Science advances, 8(18), eabm4131.

Evans, E. L., Minson, S. E., & Chadwell, C. D. (2022). Imaging the next Cascadia earthquake: optimal design for a seafloor GNSS-A network. Geophysical Journal International, 228(2), 944-957.

Fagundes, P., Tsali-Brown, V., Pillat, V., Arcanjo, M., Venkatesh, K., Habarulema, J., . . . Tardelli, A. (2022). Ionospheric storm due to solar Coronal mass ejection in September 2017 over the Brazilian and African longitudes. Advances in Space Research.

Fan, W., Barbour, A. J., McGuire, J. J., Huang, Y., Lin, G., Cochran, E. S., & Okuwaki, R. (2022). Very low frequency earthquakes in between the seismogenic and tremor zones in Cascadia? AGU Advances, 3(2), e2021AV000607.

Fan, W., Okuwaki, R., Barbour, A. J., Huang, Y., Lin, G., & Cochran, E. S. (2022). Fast rupture of the 2009 M w 6.9 Canal de Ballenas earthquake in the Gulf of California dynamically triggers seismicity in California. Geophysical Journal International, 230(1), 528-541.

Farah, A. (2022). Efficient Cost-Effective Static-PPP Using Mixed GPS/Glonass Single-Frequency Observations (KSA). Artificial Satellites, 57(1), 1-17.

Fernández-Torres, E. A., Cabral-Cano, E., Novelo-Casanova, D. A., Solano-Rojas, D., Havazli, E., & Salazar-Tlaczani, L. (2022). Risk assessment of land subsidence and associated faulting in Mexico City using InSAR. Natural hazards, 112(1), 37-55.

Frissell, N. A., Kaeppler, S. R., Sanchez, D. F., Perry, G. W., Engelke, W. D., Erickson, P. J., . . . West, M. L. (2022). First Observations of Large Scale Traveling Ionospheric Disturbances Using Automated Amateur Radio Receiving Networks. Geophysical Research Letters, 49(5), e2022GL097879. doi:https://doi.org/10.1029/2022GL097879

Garnier, B., Tikoff, B., Flores, O., Jicha, B., DeMets, C., Cosenza-Muralles, B., . . . Greene, D. (2022). Deformation in Western Guatemala Associated With the NAFCA (North America-Central American Forearc-Caribbean) Triple Junction: Neotectonic Strain Localization Into the Guatemala City Graben. Tectonics, 41(2), e2021TC006739.

Ghimire, B. D., Gautam, B., Chapagain, N. P., & Bhatta, K. (2022). Annual and semi-annual variations of TEC over Nepal during the period of 2007–2017 and possible drivers. Acta Geophysica, 70(2), 929-942.

Ghimire, B. D., Silwal, A., Chapagain, N. P., Gautam, S. P., Poudel, P., & Khadka, B. (2022). GPS observations of ionospheric TEC variations over Nepal during 22 July 2009 solar eclipse. EUREKA: Physics and Engineering,(2), 3-14.

Goda, K., & Martínez Alcala, K. (2022). Stochastic Source Modelling and Tsunami Hazard Analysis of the 2012 Mw7. 8 Haida Gwaii Earthquake. Pure and Applied Geophysics, 1-23.

Goldberg, D. E., & Haynie, K. L. (2022). Ready for Real Time: Performance of Global Navigation Satellite System in 2019 M w 7.1 Ridgecrest, California, Rapid Response Products. Seismological Society of America, 93(2A), 517-530.

Grapenthin, R., Kyle, P., Aster, R. C., Angarita, M., Wilson, T., & Chaput, J. (2022). Deformation at the open-vent Erebus volcano, Antarctica, from more than 20 years of GNSS observations. Journal of Volcanology and Geothermal Research, 432, 107703.

Gregg, P. M., Zhan, Y., Amelung, F., Geist, D., Mothes, P., Koric, S., & Yunjun, Z. (2022). Forecasting mechanical failure and the 26 June 2018 eruption of Sierra Negra Volcano, Galápagos, Ecuador. Science advances, 8(22), eabm4261.

Gu, S., Guo, R., Gong, X., Zhang, S., Lou, Y., & Li, Z. (2022). Real-time precise point positioning based on BDS-3 global short message communication. GPS solutions, 26(4), 1-14.

Gunti, S., Roy, P., Narendran, J., Pudi, R., Muralikrishnan, S., Kumar, K. V., . . . Kumar, B. S. (2022). Assessment of geodetic strain and stress variations in Nepal due to 25 April 2015 Gorkha earthquake: Insights from the GNSS data analysis and b-value. Geodesy and Geodynamics, 13(3), 288-300.

Habermann, T. (2022). Improving Domain Repository Connectivity. Data Intelligence, 1-27.
Haji-Aghajany, S., Amerian, Y., & Amiri-Simkooei, A. (2022). Function-Based Troposphere Tomography Technique for Optimal Downscaling of Precipitation. Remote Sensing, 14(11), 2548.

Hanebuth, T. J., Kudrass, H. R., Zander, A. M., Akhter, H. S., Neumann-Denzau, G., & Zahid, A. (2022). Stepwise, earthquake-driven coastal subsidence in the Ganges–Brahmaputra Delta (Sundarbans) since the eighth century deduced from submerged in situ kiln and mangrove remnants. Natural hazards, 111(1), 163-190.

Hatch-Ibarra, R. L., Abercrombie, R. E., Ruhl, C. J., Smith, K. D., Hammond, W. C., & Pierce, I. K. (2022). The 2016 Nine Mile Ranch Earthquakes: Hazard and Tectonic Implications of Orthogonal Conjugate Faulting in the Walker Lane. Bulletin of the Seismological Society of America, 112(3), 1727-1741.

He, K., Xu, C., & Wen, Y. (2022). Coseismic and early post-seismic deformations due to the 2019 earthquake sequence in Ridgecrest, California. Geophysical Journal International, 230(2), 957-975.

He, L., Feng, G., Hu, J., Xu, W., Liu, J., Li, Z., . . . Lu, H. (2022). Surface Displacement and Source Model Separation of the Two Strongest Earthquakes During the 2019 Ridgecrest Sequence: Insights From InSAR, GPS, and Optical Data. Journal of Geophysical Research: Solid Earth, 127(2), e2021JB022779. doi:https://doi.org/10.1029/2021JB022779

Heath, S., Hall, B. L., Denton, G. H., Henderson, G. M., & Hendy, C. H. (2022). Ice-sheet expansion from the Ross Sea into McMurdo Sound, Antarctica, during the last two glaciations. Quaternary Science Reviews, 278, 107379.

Hernández-Andrade, D., Romero-Andrade, R., Sharma, G., Trejo-Soto, M. E., & Cabanillas-Zavala, J. L. (2022). Quality assessment of Continuous Operating Reference Stations (CORS)-GPS stations in Mexico. Geodesy and Geodynamics, 13(3), 275-287.

Herzfeld, U. C., Lawson, M., Trantow, T., & Nylen, T. (2022). Airborne Validation of ICESat-2 ATLAS Data over Crevassed Surfaces and Other Complex Glacial Environments: Results from Experiments of Laser Altimeter and Kinematic GPS Data Collection from a Helicopter over a Surging Arctic Glacier (Negribreen, Svalbard). Remote Sensing, 14(5), 1185.

Hill, A. M., Schild, K. M., Campbell, S. W., & Child, S. F. (2022). Recent changes in the McMurdo ice shelf transition zone and Hut Point Peninsula, West Antarctica. Cold Regions Science and Technology, 103615.

Hilley, G. E., Lewicki, J. L., & Baden, C. W. (2022). Seasonal and Multiyear Changes in $CO_2$ Degassing at Mammoth Mountain Explained by Solid-Earth-Driven Fault Valving. Geophysical Research Letters, 49(6), e2021GL096595. doi:https://doi.org/10.1029/2021GL096595

Hirose, F., Maeda, K., & Kamigaichi, O. (2022). Efficiency of earthquake forecast models based on earth tidal correlation with background seismicity along the Tonga–Kermadec trench. Earth, planets and space, 74(1), 1-11.

Hopp, C., Taira, T. a., Robertson, M., Farrugia, J. J., Layland-Bachmann, C., & Majer, E. (2022). Low-Noise Optical Accelerometers: Bridging the Gaps among Geophones, Accelerometers, and Broadbands in a Deep Borehole. Seismological Research Letters.

Hotovec-Ellis, A. J., Shiro, B. R., Shelly, D. R., Anderson, K. R., Haney, M. M., Thelen, W. A., . . . Johanson, I. A. (2022). Earthquake-Derived Seismic Velocity Changes During the 2018 Caldera Collapse of Kīlauea Volcano. Journal of Geophysical Research: Solid Earth, 127(2), e2021JB023324. doi:https://doi.org/10.1029/2021JB023324

Humphrey, V., & Frankenberg, C. (2022). Continuous ground monitoring of vegetation optical depth and water content with GPS signals. Biogeosciences Discussions, 1-44.

Idolor, O., Akala, A., & Bolaji, O. (2022). African and American Equatorial Ionization Anomaly (EIA) Responses to 2013 SSW Event. Journal of Geophysical Research: Space Physics, 127(3), e2021JA029848. doi:https://doi.org/10.1029/2021JA029848

Idosa, C. U., & Rikitu, K. S. (2022). Effects of Total Solar Eclipse on Ionospheric Total Electron Content over Antarctica on 2021 December 4. The Astrophysical Journal, 932(1), 2.

Itoh, Y., & Aoki, Y. (2022). On the performance of position-domain sidereal filter for 30-s kinematic GPS to mitigate multipath errors. Earth, planets and space, 74(1), 1-20.

Itoh, Y., Aoki, Y., & Fukuda, J. (2022). Imaging evolution of Cascadia slow-slip event using high-rate GPS. Scientific reports, 12(1), 1-12.

Iyemori, T., Nishioka, M., Otsuka, Y., & Shinbori, A. (2022). A confirmation of vertical acoustic resonance and field-aligned current generation just after the 2022 Hunga Tonga Hunga Ha'apai volcanic eruption. Earth, planets and space, 74(1), 1-15.

Jeong, S.-H., Kim, Y. H., Kim, J.-H., & Kwak, Y.-S. (2022). A regional ionospheric assimilation study with GPS and COSMIC measurements using a 3D-Var algorithm (IDA4D). Advances in Space Research.

Jiang, Y., González, P. J., & Bürgmann, R. (2022). Subduction earthquakes controlled by incoming plate geometry: The 2020 M> 7.5 Shumagin, Alaska, earthquake doublet. Earth and Planetary Science Letters, 584, 117447.

Jin, Z., Fialko, Y., Zubovich, A., & Schöne, T. (2022). Lithospheric deformation due to the 2015 M7. 2 Sarez (Pamir) earthquake constrained by 5 years of space geodetic observations. Journal of Geophysical Research: Solid Earth, 127(4), e2021JB022461. doi:https://doi.org/10.1029/2021JB022461

Johri, P., Singh, J., Khatri, S. K., Bagchi, A., & Rajesh, E. (2022). Role of Satellites in Agriculture. Smart IoT for Research and Industry, 109-120.

Kakoullis, D., Fotiou, K., Melillos, G., & Danezis, C. (2022). Considerations and Multi-Criteria Decision Analysis for the Installation of Collocated Permanent GNSS and SAR Infrastructures for Continuous Space-Based Monitoring of Natural Hazards. Remote Sensing, 14(4), 1020.

Kang, Y.-G., Kim, C.-K., & Park, S.-O. (2022). Ocean Image Formation Algorithm Using Altimeter Data for Next Generation Satellite SAR. Journal of Electromagnetic Engineering And Science, 22(2), 85-94.

Kariche, J. (2022). The 2020 Monte Cristo (Nevada) Earthquake Sequence: Stress Transfer in the Context of Conjugate Strike-Slip Faults. Tectonics, 41(3), e2020TC006506.
KC, S., & Acharya, T. D. (2022). Advancements of Geodetic Activities in Nepal: A Review on Pre-and Post-2015 Gorkha Earthquake Eras with Future Directions. Remote Sensing, 14(7), 1586.

Kim, J. (2022). Kinematics and Dynamics of Steady-State and Time-Dependent Deformation in the Western United States. State University of New York at Stony Brook,

Kirui, P., Riedel, B., & Gerke, M. (2022). Performance of Numerical Weather Products for INSAR Tropospheric Correction: A Case Study of a Tropical Region. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 3, 115-122.

Koji, A. K., Van Malderen, R., Pottiaux, E., & Van Schaeybroeck, B. (2022). Understanding the Present-Day Spatiotemporal Variability of Precipitable Water Vapor over Ethiopia: A Comparative Study between ERA5 and GPS. Remote Sensing, 14(3), 686.

Kong, Q., Chen, Y., Fang, W., Wang, G., Li, C., Wang, T., . . . Han, J. (2022). Analysis of Space-Borne GPS Data Quality and Evaluation of Precise Orbit Determination for COSMIC-2 Mission Based on Reduced Dynamic Method. Remote Sensing, 14(15), 3544.

Kong, Q., Zhang, L., Han, J., Li, C., Fang, W., & Wang, T. (2022). Analysis of coordinate time series of DORIS stations on Eurasian plate and the plate motion based on SSA and FFT. Geodesy and Geodynamics.

Koulali, A., Whitehouse, P. L., Clarke, P. J., van den Broeke, M. R., Nield, G. A., King, M. A., . . . Wilson, T. (2022). GPS-Observed Elastic Deformation Due to Surface Mass Balance Variability in the Southern Antarctic Peninsula. Geophysical Research Letters, 49(4), e2021GL097109. doi:https://doi.org/10.1029/2021GL097109

Labedz, C. R., Bartholomaus, T. C., Amundson, J. M., Gimbert, F., Karplus, M. S., Tsai, V. C., & Veitch, S. A. (2022). Seismic mapping of subglacial hydrology reveals previously undetected pressurization event. Journal of Geophysical Research: Earth Surface, 127(3), e2021JF006406. doi:https://doi.org/10.1029/2021JF006406

Lay, E. H., Tippmann, J. D., Wiens, K. C., McDonald, S. E., Mannucci, A. J., Pi, X., . . . Redmon, R. (2022). New lightning-derived vertical total electron content data provides unique global ionospheric measurements. Space Weather, e2022SW003067. doi:https://doi.org/10.1029/2022SW003067

Lees, M., Knight, R., & Smith, R. (2022). Development and application of a 1D compaction model to understand 65 years of subsidence in the San Joaquin Valley. Water Resources Research, 58(6), e2021WR031390.

Li, J., Chen, K., Chai, H., & Wei, G. (2022). Rapid tsunami potential assessment using GNSS ionospheric disturbance: Implications from three megathrusts. Remote Sensing, 14(9), 2018. doi:https://doi.org/10.3390/rs14092018

Li, S., Grapenthin, R., Sigmundsson, F., Drouin, V., Hreinsdóttir, S., & Ófeigsson, B. G. (2022). Post-rifting relaxation during 2015-2020 following the Bárðarbunga-Holuhraun dike intrusion and eruption in Iceland. Geophysical Research Letters, e2022GL098977. doi:https://doi.org/10.1029/2022GL098977

Li, W., Zhao, D., He, C., Hancock, C. M., Shen, Y., & Zhang, K. (2022). Spatial-Temporal Behaviors of Large-Scale Ionospheric Perturbations During Severe Geomagnetic Storms on September 7–8 2017 Using the GNSS, SWARM and TIE-GCM Techniques. Journal of Geophysical Research: Space Physics, 127(3), e2021JA029830.

LI, Y., YIN, H., & HAN, L. (2022). A Denoising Method of MSMPCA Based on CEEMD for Coseismic Deformation Monitoring with High-Frequency GNSS. 武汉大学学报● 信息科学版, 47(3), 352-360.

Liang, J., Dong, J., Zhang, S., Zhao, C., Liu, B., Yang, L., . . . Ma, X. (2022). Discussion on InSAR Identification Effectivity of Potential Landslides and Factors That Influence the Effectivity. Remote Sensing, 14(8), 1952.

Limsupavanich, N., Guo, B., & Fu, X. (2022). Application of RNN on GNSS Reflectometry Sea level monitoring. International journal of remote sensing, 43(10), 3592-3608.

Liu, C., Lay, T., & Xiong, X. (2022). The 29 July 2021 MW 8.2 Chignik, Alaska Peninsula Earthquake Rupture Inferred From Seismic and Geodetic Observations: Re-Rupture of the Western 2/3 of the 1938 Rupture Zone. Geophysical Research Letters, 49(4), e2021GL096004.

Liu, H., & Li, L. (2022). Missing Data Imputation in GNSS Monitoring Time Series Using Temporal and Spatial Hankel Matrix Factorization. Remote Sensing, 14(6), 1500.

Liu, S., Yue, J., Chu, Z., Zhu, S., Liu, Z., & Wu, J. (2022). An improved snow depth retrieval method with adaptive noise reduction for GPS/GLONASS/Galileo/BDS multi-frequency signals. Measurement Science and Technology, 33(8), 085011.

LOU, J., & TIAN, J. (2022). Review on seismic strain-wave observation based on high-resolution borehole strainmeters. Progress in Geophysics, 37(1), 51-58.

Lumsden, D. N., & Cox, R. T. (2022). An Ongoing 13.5 Yr Hiatus in M≥ 4 New Madrid/Wabash Valley Earthquakes: Could People Be the Cause of the "Pause?". Seismological Research Letters.

Luo, L., & Zhang, J. (2022). Blowing Snow Contributes to Positive Surface Energy Budget and Negative Surface Mass Balance during a Melting Season of Larsen C Ice-Shelf, Antarctic Peninsula. Geophysical Research Letters, e2022GL098864.

Ma, Z., Liu, J., Liu, X., Zhou, C., Hu, J., Cui, Y., . . . Li, Z. (2022). Go Extra Miles: An Additional Error Correction Procedure Aimed to Further Improve Phase Unwrapping Accuracy and Reduce Creep Model Uncertainty. Journal of Geophysical Research: Solid Earth, 127(1), e2021JB022478. doi:https://doi.org/10.1029/2021JB022478

Maclennan, M. L., Lenaerts, J., Shields, C. A., Hoffman, A. O., Wever, N., Thompson-Munson, M., . . . Wille, J. D. (2022). Climatology and Surface Impacts of Atmospheric Rivers on West Antarctica. The Cryosphere Discussions, 1-25.

Magiera, W., Vārna, I., Mitrofanovs, I., Silabrieds, G., Krawczyk, A., Skorupa, B., . . . Maciuk, K. (2022). Accuracy of Code GNSS Receivers under Various Conditions. Remote Sensing, 14(11), 2615.

Martin de Blas, J., Iaffaldano, G., & Calais, E. (2022). Have the 1999 Izmit–Düzce earthquakes influenced the motion and seismicity of the Anatolian microplate? Geophysical Journal International, 229(3), 1754-1769.

Martinez-Felix, C. A., Vazquez-Becerra, G. E., Geremia-Nievinski, F., Millan-Almaraz, J. R., Franco-Ochoa, C., Melgarejo-Morales, A., & Gaxiola-Camacho, J. R. (2022). Tidal measurements in the Gulf of Mexico: intercomparison of coastal tide gauge, insular GNSS reflectometry and SAR altimetry. GPS solutions, 26(1), 1-10.

Materna, K., Barbour, A., Jiang, J., & Eneva, M. (2022). Detection of aseismic slip and poroelastic reservoir deformation at the North Brawley Geothermal Field from 2009–2019. Journal of Geophysical Research: Solid Earth, e2021JB023335. doi:https://doi.org/10.1029/2021JB023335

Maubant, L., Radiguet, M., Pathier, E., Doin, M.-P., Cotte, N., Kazachkina, E., & Kostoglodov, V. (2022). Interseismic coupling along the Mexican subduction zone seen by InSAR and GNSS. Earth and Planetary Science Letters, 586, 117534.

Michel, S., Jolivet, R., Lengliné, O., Gualandi, A., Larochelle, S., & Gardonio, B. (2022). Searching for Transient Slow Slips Along the San Andreas Fault Near Parkfield Using Independent Component Analysis. Journal of Geophysical Research: Solid Earth, 127(6), e2021JB023201.

Michel-Wolf, L., Ehlers, T. A., & Bendick, R. (2022). Transitions in subduction zone properties align with long-term topographic growth (Cascadia, USA). Earth and Planetary Science Letters, 580, 117363. doi:https://doi.org/10.1016/j.epsl.2021.117363

Moges, S. T., Giday, N. M., Chekole, D. A., Ulich, T., & Sherstyukov, R. (2022). Storm-Time Observations of Traveling Ionospheric Disturbances and Ionospheric Irregularities in East Africa. Radio Science, 57(8), e2022RS007426.

Moya Zamora, J. (2022). Procesamiento GNSS en el marco geodésico CR-SIRGAS: influencia de las épocas de observación y referencia. Ingeniería, 32(2), 52-86.

Mulia, I. E., Heidarzadeh, M., & Satake, K. (2022). Effects of depth of fault slip and continental shelf geometry on the generation of anomalously long-period tsunami by the July 2020 Mw 7.8 Shumagin (Alaska) earthquake. Geophysical Research Letters, 49(3), e2021GL094937.

Mulugeta, S., & Kassa, T. (2022). Comparison of GPS Loss of Lock with S4-proxy from IGS network data and S4 from SCINDA network data over Bahir Dar. Journal of Atmospheric and Solar-Terrestrial Physics, 229, 105828.

Mulugeta, S., & Kassa, T. (2022). Investigation of GPS Loss of Lock occurrence and Its characteristics over Ethiopia using Geodetic GPS receivers of the IGS network. Advances in Space Research, 69(2), 939-950.

Mungufeni, P., Migoya-Orué, Y., Matamba, T. M., & Omondi, G. (2022). Application of Classical Kalman filtering technique in assimilation of multiple data types to NeQuick model. Journal of Space Weather and Space Climate, 12, 9.
Murphy, C., Finnegan, N., & Oberle, F. (2022). Vadose zone thickness limits pore-fluid pressure rise in a large, slow-moving earthflow. Journal of Geophysical Research: Earth Surface, 127(6), e2021JF006415.

Nagale, D. S., Kannaujiya, S., Gautam, P. K., Taloor, A. K., & Sarkar, T. (2022). Impact assessment of the seasonal hydrological loading on geodetic movement and seismicity in Nepal himalaya using GRACE and GNSS measurements. Geodesy and Geodynamics.

Naganawa, K., Kazama, T., Fukuda, Y., Miura, S., Hayakawa, H., Ohta, Y., & Freymueller, J. T. (2022). Updated absolute gravity rate of change associated with glacial isostatic adjustment in Southeast Alaska and its utilization for rheological parameter estimation. Earth, planets and space, 74(1), 1-27.

Nie, S., Wang, Y., Tu, J., Li, P., Xu, J., Li, N., . . . Song, J. (2022). Retrieval of Soil Moisture Content Based on Multisatellite Dual-Frequency Combination Multipath Errors. Remote Sensing, 14(13), 3193.

Nie, W., Rovira-Garcia, A., Li, M., Fang, Z., Wang, Y., Zheng, D., & Xu, T. (2022). The mechanism for GNSS-based kinematic positioning degradation at high-latitudes under the March 2015 great storm. Space Weather, 20(6), e2022SW003132.

Nishimura, Y., Goldstein, J., Martinis, C., Ma, Q., Li, W., Zhang, S., . . . Nishitani, N. (2022). Multi-Scale Density Structures in the Plasmaspheric Plume During a Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 127(3), e2021JA030230. doi:https://doi.org/10.1029/2021JA030230

Noinak, M., Charoenphon, C., Weerawong, K., & Satirapod, C. (2022). Testing Horizontal Coordinate Correction Model Used for Transformation from PPP GNSS Technique to Thai GNSS CORS Network Based on ITRF2014. International Journal of Geoinformatics, 18(3), 55-64.

OLADOSU, S., EHIGIATOR-IRUGHE, R., & MUHAMMAD, M. (2022). Establishment and Validation of Continuously Operating Reference Stations Geosystems Network on Static

and Real-Time Kinematic in Benin City, Nigeria. J. Appl. Sci. Environ. Manage, 26(5), 801-808.

Olinger, S., Lipovsky, B. P., Denolle, M., & Crowell, B. W. (2022). Tracking the Cracking: a Holistic Analysis of Rapid Ice Shelf Fracture Using Seismology, Geodesy, and Satellite Imagery on the Pine Island Glacier Ice Shelf, West Antarctica. Geophysical Research Letters, 49(10), e2021GL097604. doi:https://doi.org/10.1029/2021GL097604

Oluwadare, T. S., Jakowski, N., Valladares, C. E., Akala, A. O.-O., Abe, O. E., Alizadeh, M. M., & Schuh, H. (2022). Climatology of Medium-Scale Traveling Ionospheric Disturbances (MSTIDs) Observed with GPS Networks in the North African Region. Pure and Applied Geophysics, 1-22.

Omerbashich, M. (2022). Detection and mapping of Earth body resonances with continuous GPS. Journal of Geophysics, 64(1), 12-33.

Overacker, J., Hammond, W. C., Blewitt, G., & Kreemer, C. (2022). Vertical Land Motion of the High Plains Aquifer Region of the United States: Effect of Aquifer Confinement Style, Climate Variability, and Anthropogenic Activity. Water Resources Research, 58(6), e2021WR031635.

Oyedokun, O. J., Amaechi, P., Akala, A., Simi, K., Ogwala, A., & Oyeyemi, E. (2022). Solar and interplanetary events that drove two CIR-related geomagnetic storms of 1 June 2013 and 7 October 2015, and their ionospheric responses at the American and African equatorial ionization Anomaly regions. Advances in Space Research, 69(5), 2168-2181.

Panzhin, A., & Panzhina, N. (2022). Spatial and temporal stability of a reference frame as the basis of deformation monitoring. Paper presented at the IOP Conference Series: Earth and Environmental Science.

Peng, H., Gao, Z., Hu, J., Yang, H., Badal, J., Chen, M., & Zhang, T. (2022). Upper mantle anisotropy in the southeastern margin of the Tibetan plateau and geodynamic implications. Physics of the Earth and Planetary Interiors, 327, 106877.

Phillips, M., & Till, C. (2022). Crustal storage and ascent history of the Mt. Shasta primitive magnesian andesite: implications for arc magma crustal flux rates. Contributions to Mineralogy and Petrology, 177(1), 1-27.

Pi, X. (2022). Comparisons of TEC Gradients Derived from Several GNSS-Based Approaches. Paper presented at the Proceedings of the 2022 International Technical Meeting of The Institute of Navigation.

Poland, M. P., Hurwitz, S., Kauahikaua, J. P., Montgomery-Brown, E. K., Anderson, K. R., Johanson, I. A., . . . Neal, C. A. (2022). Rainfall an unlikely factor in Kīlauea's 2018 rift eruption. Nature, 602(7895), E7-E10.

Pollitz, F. F., Wicks, C. W., & Hammond, W. C. (2022). Kinematic Slip Model of the 2021 M 6.0 Antelope Valley, California, Earthquake. The Seismic Record, 2(1), 20-28. doi:https://doi.org/10.1785/0320210043

Poudel, P., Silwal, A., Ghimire, B., Gautam, S., Karki, M., Chapagain, N., . . . Amory-Mazaudier, C. (2022). A study of vTEC above Nepal exploring different calibration techniques, including a comparison with the NeQuick-2 model. Astrophysics and Space Science, 367(4), 1-16.

Preety, K., Prasad, A. K., Varma, A. K., & El-Askary, H. (2022). Accuracy Assessment, Comparative Performance, and Enhancement of Public Domain Digital Elevation Models (ASTER 30 m, SRTM 30 m, CARTOSAT 30 m, SRTM 90 m, MERIT 90 m, and TanDEM-X 90 m) Using DGPS. Remote Sensing, 14(6), 1334.

Qiu, Q., Zhou, Z., Lin, J., Zhang, F., Chen, Z., & Yang, X. (2022). Great earthquake and tsunami potential in the eastern Makran subduction zone: New insights from geodetic and structural constraints. Tectonophysics, 837, 229462.

Rajesh, R., & Catherine, J. (2022). The First Evidence for the Detection of CIDs Masked by Equatorial Plasma Bubbles From GPS-TEC Data. Journal of Geophysical Research: Space Physics, 127(2), e2021JA029798.

Ran, Q., Zhang, B., Yao, Y., Yan, X., & Li, J. (2022). Editing arcs to improve the capacity of GNSS-IR for soil moisture retrieval in undulating terrains. GPS solutions, 26(1), 1-11.

Ren, X., Mei, D., Liu, H., & Zhang, X. (2022). Investigation on Horizontal and Vertical Traveling Ionospheric Disturbances Propagation in Global-Scale Using GNSS and Multi-LEO Satellites. Space Weather, 20(5), e2022SW003041. doi:https://doi.org/10.1029/2022SW003041

Rennermalm, Å. K., Hock, R., Covi, F., Xiao, J., Corti, G., Kingslake, J., . . . Machguth, H. (2022). Shallow firn cores 1989–2019 in southwest Greenland's percolation zone reveal decreasing density and ice layer thickness after 2012. Journal of Glaciology, 68(269), 431-442.

Ruiz, M. Z., Civilini, F., Ebinger, C. J., Oliva, S. J., Ruiz, M. C., Badi, G., . . . Casas, J. A. (2022). Precursory Signal Detected for the 2018 Sierra Negra Volcanic Eruption, Galápagos, Using Seismic Ambient Noise. Journal of Geophysical Research: Solid Earth, 127(3), e2021JB022990. doi:https://doi.org/10.1029/2021JB022990

Sanchez, S. A., Kherani, E. A., Astafyeva, E., & de Paula, E. R. (2022). Ionospheric Disturbances Observed Following the Ridgecrest Earthquake of 4 July 2019 in California, USA. Remote Sensing, 14(1), 188.

Sanna, G., Pisanu, T., & Garau, S. (2022). Behavior of Low-Cost Receivers in Base-Rover Configuration with Geodetic-Grade Antennas. Sensors, 22(7), 2779.

SARKAR, T., Karunakalage, A., KANNAUJIYA, S., & CHAGANTI, C. (2022). Quantification of groundwater storage variation in Himalayan & Peninsular River basins correlating with land deformation effects observed at different Indian cities. Contributions to Geophysics and Geodesy, 52(1), 1-56.

Savage, J. (2022). Comment on 'Evidence for a large strike-slip component during the 1960 Chilean earthquake'by H. Kanamori, L. Rivera and S. Lambotte. Geophysical Journal International, 228(2), 1171-1183.

Schmidt, S. K., Johnson, B. W., Solon, A. J., Sommers, P., Darcy, J. L., Vincent, K., . . . Porazinska, D. L. (2022). Microbial biogeochemistry and phosphorus limitation in cryoconite holes on glaciers across the Taylor Valley, McMurdo Dry Valleys, Antarctica. Biogeochemistry, 158(3), 313-326.

Shan, L., Yao, Y., Kong, J., Zhai, C., Zhou, C., & Chen, X. (2022). Three-Dimensional Reconstruction of Tongue of Ionization During the 11 October 2010 Geomagnetic Storm and Evolution Analysis With TIEGCM. Space Weather, 20(4), e2021SW002862.

Shankar, H., Singh, D., & Chauhan, P. (2022). Landslide deformation and temporal prediction of slope failure in Himalayan terrain using PSInSAR and Sentinel-1 data. Advances in Space Research. doi:https://doi.org/10.1016/j.asr.2022.04.062

Sharma, G. (2022). Manifestation of earthquake preparation zone in the ionosphere before the earthquake revealed by GPS–TEC data, a case of 2021 Sonitpur, Assam earthquake. Geodesy and Geodynamics.

Sharma, G., Romero-Andrade, R., Taloor, A. K., Ganeshan, G., Sarma, K. K., & Aggarwal, S. P. (2022). 2-D ionosphere TEC anomaly before January 28, 2020, Cuba earthquake observed from a network of GPS observations data. Arabian Journal of Geosciences, 15(15), 1-11.

Shi, Y. N., & Morgan, J. P. (2022). Plume-Lithosphere Interaction and Delamination at Yellowstone and Its Implications for the Boundary of Craton Stability. Geophysical Research Letters, 49(2), e2021GL096864.

Shinbori, A., Otsuka, Y., Sori, T., Nishioka, M., Perwitasari, S., Tsuda, T., & Nishitani, N. (2022). Electromagnetic conjugacy of ionospheric disturbances after the 2022 Hunga

Tonga-Hunga Ha'apai volcanic eruption as seen in GNSS-TEC and SuperDARN Hokkaido pair of radars observations. Earth, planets and space, 74(1), 1-17.

Shinbori, A., Otsuka, Y., Sori, T., Tsugawa, T., & Nishioka, M. (2022). Statistical Behavior of Large-Scale Ionospheric Disturbances From High Latitudes to Mid-Latitudes During Geomagnetic Storms Using 20-yr GNSS-TEC Data: Dependence on Season and Storm Intensity. Journal of Geophysical Research: Space Physics, 127(1), e2021JA029687. doi:https://doi.org/10.1029/2021JA029687

Sieradzki, R., & Paziewski, J. (2022). Towards a Reliable Ionospheric Polar Patch Climatology With Ground-Based GNSS. IEEE Transactions on Geoscience and Remote Sensing, 60, 1-14.

Sori, T., Shinbori, A., Otsuka, Y., Tsugawa, T., Nishioka, M., & Yoshikawa, A. (2022). Generation mechanisms of plasma density irregularity in the equatorial ionosphere during a geomagnetic storm on 21–22 december 2014. Journal of Geophysical Research: Space Physics, 127(5), e2021JA030240.

Southall, D., Deaconu, C., Decoene, V., Oberla, E., Zeolla, A., Alvarez-Muñiz, J., . . . Hughes, K. (2022). Design and initial performance of the prototype for the BEACON instrument for detection of ultrahigh energy particles. Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 167889.

Sparacino, F., Galuzzi, B. G., Palano, M., Segou, M., & Chiarabba, C. (2022). Seismic coupling for the Aegean-Anatolian region. Earth-Science Reviews, 228, 103993.
Sparks, L., Altshuler, E., Pandya, N., Blanch, J., & Walter, T. (2022). WAAS and the Ionosphere–A Historical Perspective: Monitoring Storms. Navigation: Journal of The Institute of Navigation, 69(1).

Stevens, L. A., Nettles, M., Davis, J. L., Creyts, T. T., Kingslake, J., Ahlstrøm, A. P., & Larsen, T. B. (2022). Helheim Glacier diurnal velocity fluctuations driven by surface melt forcing. Journal of Glaciology, 68(267), 77-89.

Sumy, D. F., Jenkins, M. R., McBride, S. K., & de Groot, R.-M. (2022). Typology development of earthquake displays in free-choice learning environments, to inform earthquake early warning education in the United States. International Journal of Disaster Risk Reduction, 73, 102802.

Suribabu, D., Dumka, R. K., Paikray, J., Kothyari, G. C., Thakkar, M., Swamy, K. V., . . . Prajapati, S. (2022). Geodetic characterization of active Katrol Hill Fault (KHF) of Central Mainland Kachchh, western India. Geodesy and Geodynamics, 13(3), 247-253.

Swafiyudeen, B., OJIGI, L. M., DODO, J. D., & LAWAL, K. M. (2022). A methodology for estimating accurate velocity field of NigNET based on new ITRF realization. Contributions to Geophysics and Geodesy, 52(1), 57-76.

Talib, O.-C., Shimon, W., Sarah, K., & Tonian, R. (2022). Detection of sinkhole activity in West-Central Florida using InSAR time series observations. Remote Sensing of Environment, 269, 112793.

Thaganyana, G. P., Habarulema, J. B., Ngwira, C., & Azeem, I. (2022). Equatorward Medium to Large-Scale Traveling Ionospheric Disturbances of High Latitude Origin During Quiet Conditions. Journal of Geophysical Research: Space Physics, 127(3), e2021JA029558. doi:https://doi.org/10.1029/2021JA029558

Themens, D. R., Watson, C., Žagar, N., Vasylkevych, S., Elvidge, S., McCaffrey, A., . . . Jayachandran, P. (2022). Global propagation of ionospheric disturbances associated with the 2022 Tonga Volcanic Eruption. Geophysical Research Letters, 49(7), e2022GL098158. doi:https://doi.org/10.1029/2022GL098158

Topal, G. O., & Akpinar, B. (2022). High rate GNSS kinematic PPP method performance for monitoring the engineering structures: Shake table tests under different satellite configurations. Measurement, 189, 110451.

Tsuchiyama, A., Taira, T. a., Nakajima, J., & Bürgmann, R. (2022). Emergence of Low-Frequency Aftershocks of the 2019 Ridgecrest Earthquake Sequence. Bulletin of the Seismological Society of America, 112(2), 750-762.

Tunini, L., Zuliani, D., & Magrin, A. (2022). Applicability of Cost-Effective GNSS Sensors for Crustal Deformation Studies. Sensors, 22(1), 350. doi:https://doi.org/10.3390/s22010350
Valdés-Abreu, J. C., Díaz, M. A., Bravo, M., Báez, J. C., & Stable-Sánchez, Y. (2022). Ionospheric Behavior during the 10 June 2021 Annular Solar Eclipse and Its Impact on GNSS Precise Point Positioning. Remote Sensing, 14(13), 3119.

van Rijsingen, E., Calais, E., Jolivet, R., de Chabalier, J., Robertson, R., Ryan, G., & Symithe, S. (2022). Ongoing tectonic subsidence in the Lesser Antilles subduction zone. Geophysical Journal International. doi:https://doi.org/10.1093/gji/ggac192

Vijayan, M. S. M., & Shimna, K. (2022). Detecting aliasing and artifact free co-seismic and tsunamigenic ionospheric perturbations using GPS. Advances in Space Research, 69(2), 951-975.

Viltres, R., Jónsson, S., Alothman, A., Liu, S., Leroy, S., Masson, F., . . . Reilinger, R. (2022). Present-day motion of the Arabian plate. Tectonics, 41(3), e2021TC007013. doi:https://dx.doi.org/10.1029/2021TC007013

Walwer, D., Ghil, M., & Calais, E. (2022). A Data-Based Minimal Model of Episodic Inflation Events at Volcanoes. Front. Earth Sci, 10, 759475.

Wang, G. (2022). The 95% confidence interval for GNSS-derived site velocities. Journal of Surveying Engineering, 148(1), 04021030.

Wang, G., Greuter, A., Petersen, C. M., & Turco, M. J. (2022). Houston GNSS Network for Subsidence and Faulting Monitoring: Data Analysis Methods and Products. Journal of Surveying Engineering, 148(4), 04022008. doi:https://doi.org/10.1061/(ASCE)SU.1943-5428.0000399

Wang, N., Stern, R. J., & Waite, L. (2022). Workflow for designing instructional videos to support place-based geoscience education for geoscience majors. Journal of Geoscience Education, 1-19.

Wang, T. A., Coppess, K. R., Segall, P., Dunham, E. M., & Ellsworth, W. (2022). Physics-Based Model Reconciles Caldera Collapse Induced Static and Dynamic Ground Motion: Application to Kīlauea 2018. Geophysical Research Letters, 49(8), e2021GL097440. doi:https://doi.org/10.1029/2021GL097440

Webb, R. W., Musselman, K. N., Ciafone, S., Hale, K. E., & Molotch, N. P. (2022). Extending the vadose zone: Characterizing the role of snow for liquid water storage and transmission in streamflow generation. Hydrological Processes, 36(3), e14541.

White, A. M., Gardner, W. P., Borsa, A. A., Argus, D. F., & Martens, H. R. (2022). A review of GNSS/GPS in hydrogeodesy: Hydrologic loading applications and their implications for water resource research. Water Resources Research, 58(7), e2022WR032078.

Xie, S. (2022). Continuous measurement of sea ice freeboard with tide gauges and GNSS interferometric reflectometry. Remote Sensing of Environment, 280, 113165.

Yan, H., Dai, W., Liu, H., Gao, H., Neely, W. R., & Xu, W. (2022). Fusion of Spatially Heterogeneous GNSS and InSAR Deformation Data Using a Multiresolution Segmentation Algorithm and Its Application in the Inversion of Slip Distribution. Remote Sensing, 14(14), 3293.

Yang, J., Tang, W., Xuan, W., & Xi, R. (2022). Tight Integration of GNSS and Static Level for High Accuracy Dilapidated House Deformation Monitoring. Remote Sensing, 14(12), 2943.

Yaysukevich, Y., Astafyeva, E., Oinats, A., Vesnin, A., Yasyukevich, A., Vasiliev, A., . . . Sidorov, D. (2022). Multi-instrumental View of the Auroral Oval. Paper presented at the 2022 Photonics & Electromagnetics Research Symposium (PIERS).

Ye, L., Bai, Y., Si, D., Lay, T., Cheung, K. F., & Kanamori, H. (2022). Rupture Model for the 29 July 2021 MW 8.2 Chignik, Alaska Earthquake Constrained by Seismic, Geodetic, and Tsunami Observations. Journal of Geophysical Research: Solid Earth, e2021JB023676. doi:https://doi.org/10.1029/2021JB023676

Yocum, H. M., Metivier Sassorossi, D., & Ray, A. J. (2022). Assessing the use of climate change information in State Wildlife Action Plans. Conservation Science and Practice, 4(3), e608.

Zade, M. R., Soni, G., & Gupta, K. (2022). Vertical accuracy assessment of CartoDEM, SRTM and ALOS DEM's using GTS and DGPS measurement in Narmada Basin, Madhya Pradesh. Journal of Geomatics, 16(1).

Zang, J., Xu, C., Wen, Y., Wang, X., & He, K. (2022). Rapid Earthquake Source Description Using Variometric-Derived GPS Displacements toward Application to the 2019 Mw 7.1 Ridgecrest Earthquake. Seismological Research Letters, 93(1), 56-67.

Zhan, J., Zhang, R., Tu, J., Lv, J., Bao, X., Xie, L., . . . Zhan, R. (2022). GNSS-IR snow depth retrieval based on the fusion of multi-satellite SNR data by the BP neural network. Remote Sensing, 14(6), 1395.

Zhan, Y., Le Mével, H., Roman, D. C., Girona, T., & Gregg, P. M. (2022). Modeling deformation, seismicity, and thermal anomalies driven by degassing during the 2005-2006 pre-eruptive unrest of Augustine Volcano, Alaska. Earth and Planetary Science Letters, 585, 117524.

Zhang, C., & Chen, T. (2022). Bayesian slip inversion with automatic differentiation variational inference. Geophysical Journal International, 229(1), 546-565.

Zhang, H., Glasgow, M., Schmandt, B., Thelen, W. A., Moran, S. C., & Thomas, A. M. (2022). Revisiting the depth distribution of seismicity before and after the 2004–2008 eruption of Mount St. Helens. Journal of Volcanology and Geothermal Research, 430, 107629.

Zhang, Z., Guo, F., Zhang, X., & Pan, L. (2022). First result of GNSS-R-based sea level retrieval with CMC and its combination with the SNR method. GPS solutions, 26(1), 20.

Zhao, G., Meng, G., Wu, W., Su, X., & Pan, Z. (2022). Earthquake potential assessment around the southeastern Tibetan plateau based on seismic and geodetic data. Pure and Applied Geophysics, 1-34.

Zheng, J., Fang, R., Li, M., Lv, H., & Liu, J. (2022). Line-Source Model Based Rapid Inversion for Deriving Large Earthquake Rupture Characteristics Using High-Rate GNSS Observations. Geophysical Research Letters, 49(5), e2021GL097460. doi:https://doi.org/10.1029/2021GL097460

Zheng, N., Chai, H., Ma, Y., Chen, L., & Chen, P. (2022). Hourly sea level height forecast based on GNSS-IR by using ARIMA model. International journal of remote sensing, 43(9), 3387-3411.

Zheng, Y., Lu, C., Wu, Z., Liao, J., Zhang, Y., & Wang, Q. (2022). Machine Learning-Based Model for Real-Time GNSS Precipitable Water Vapor Sensing. Geophysical Research Letters, 49(3), e2021GL096408. doi:https://doi.org/10.1029/2021GL096408

Zhou, R., Hu, Z., Zhao, Q., Cai, H., Liu, X., Liu, C., . . . Chen, L. (2022). Consistency Analysis of the GNSS Antenna Phase Center Correction Models. Remote Sensing, 14(3), 540.

Zhou, Y., Wang, W., He, J., Wang, X., Pan, Z., & Zhao, G. (2022). The 19 October 2020 M w 7.6 Earthquake in Shumagin, Alaska: An Unusual Dextral Strike-Slip Event. Pure and Applied Geophysics, 1-16.

Zhou, Z., Yu, K., Bu, J., Li, Y., & Han, S. (2022). Snow depth estimation based on combination of pseudorange measurements of GNSS geodetic receivers. Advances in Space Research, 69(3), 1439-1450.

Zielke, O., Benedetti, L., Mai, P. M., Fleury, J., Rizza, M., & Viseur, S. (2022). Bedrock fault roughness resolves slip increments of large earthquakes: Case studies from Central Italy. Tectonophysics, 838, 229502.

Zou, Y., Lyons, L. R., Shi, X., Liu, J., Wu, Q., Conde, M., . . . Coster, A. (2022). Effects of Subauroral Polarization Streams on the Upper Thermospheric Winds During Non-Storm Time. Journal of Geophysical Research: Space Physics, 127(5), e2021JA029988.