

Number	Full reference	Acknowledge to PWING	Authors	Title	Journal	Vol.	Doi	Year
1	Zou, Y., Y. Nishimura, J. K. Burchill, D. J. Knudsen, L. R. Lyons, K. Shiokawa, S. Buchert, S. Chen, M. J. Nicolls, J. M. Ruohoniemi; K. A. McWilliams, and N. Nishitani, Localized Field-aligned Currents in the Polar Cap Associated with Airglow Patches, <i>J. Geophys. Res.</i> , 121, doi: 10.1002/2016JA022665, 2016.	yes	Zou, Y., Y. Nishimura, J. K. Burchill, D. J. Knudsen, L. R. Lyons, K. Shiokawa, S. Buchert, S. Chen, M. J. Nicolls, J. M. Ruohoniemi; K. A. McWilliams, and N. Nishitani	Localized Field-aligned Currents in the Polar Cap Associated with Airglow Patches	<i>J. Geophys. Res.</i>	121	10.1002/2016JA022665	2016
2	Tsurutani, B. T., R. Hajra, T. Tanimori, A. Takada, B. Remya, A. J. Mannucci, G. S. Lakhina, J. U. Kozyra, K. Shiokawa, L. C. Lee, E. Echer, R. V. Reddy, and W. D. Gonzalez, Heliospheric Plasma Sheet (HPS) Impingement onto the Magnetosphere as a Cause of Relativistic Electron Dropouts (REDs) via Coherent EMIC Wave Scattering with Possible Consequences for Climate Change Mechanisms, <i>J. Geophys. Res.</i> , 121, doi: 10.1002/2016JA022499, 2016.	yes	Tsurutani, B. T., R. Hajra, T. Tanimori, A. Takada, B. Remya, A. J. Mannucci, G. S. Lakhina, J. U. Kozyra, K. Shiokawa, L. C. Lee, E. Echer, R. V. Reddy, and W. D. Gonzalez	Heliospheric Plasma Sheet (HPS) Impingement onto the Magnetosphere as a Cause of Relativistic Electron Dropouts (REDs) via Coherent EMIC Wave Scattering with Possible Consequences for Climate Change Mechanisms	<i>J. Geophys. Res.</i>	121	10.1002/2016JA022499	2016
3	Tsuda, T., M. Yamamoto, H. Hashiguchi, K. Shiokawa, Y. Ogawa, S. Nozawa, H. Miyaoka, and A. Yoshikawa, A proposal on the study of solar-terrestrial coupling processes with atmospheric radars and ground-based observation network, <i>Radio Sci.</i> , 51, doi: 10.1002/2016RS006035, 2016.	yes	Tsuda, T., M. Yamamoto, H. Hashiguchi, K. Shiokawa, Y. Ogawa, S. Nozawa, H. Miyaoka, and A. Yoshikawa	A proposal on the study of solar-terrestrial coupling processes with atmospheric radars and ground-based observation network	<i>Radio Sci.</i>	51	10.1002/2016RS006035	2016
4	Rout D.,D. Chakrabarty, R. Sekar,G. D. Reeves, J. M. Ruohoniemi,Tarun K. Pant B. Veenadhari, and K. Shiokawa, An evidence for prompt electric field disturbance driven by changes in the solar wind density under northward IMF Bz condition, <i>J. Geophys. Res.</i> , 121, doi: 10.1002/2016JA022475, 2016.	yes	Rout D.,D. Chakrabarty, R. Sekar,G. D. Reeves, J. M. Ruohoniemi,Tarun K. Pant B. Veenadhari, and K. Shiokawa	An evidence for prompt electric field disturbance driven by changes in the solar wind density under northward IMF Bz condition	<i>J. Geophys. Res.</i>	121	10.1002/2016JA022475	2016
5	Ozaki, M., K. Shiokawa, Y. Miyoshi, R. Kataoka, S. Yagitani, T. Inoue, Y. Ebihara, C.-W Jun, R. Nomura, K. Sakaguchi, Y. Otsuka, M. Shoji, I. Schofield, M. Connors, and V. K. Jordanova, Fast modulations of pulsating proton aurora related to subpacket structures of Pc1 geomagnetic pulsations at subauroral latitudes, <i>Geophys. Res. Lett.</i> , 43, doi:10.1002/2016GL070008, 2016.	yes	Ozaki, M., K. Shiokawa, Y. Miyoshi, R. Kataoka, S. Yagitani, T. Inoue, Y. Ebihara, C.-W Jun, R. Nomura, K. Sakaguchi, Y. Otsuka, M. Shoji, I. Schofield, M. Connors, and V. K. Jordanova	Fast modulations of pulsating proton aurora related to subpacket structures of Pc1 geomagnetic pulsations at subauroral latitudes	<i>Geophys. Res. Lett.</i>	43	10.1002/2016GL070008	2016
6	Martinez-Calderon, C., K. Shiokawa, Y. Miyoshi, K. Keika, M. Ozaki, I. Schofield, M. Connors, C. Kletzing, M. Hanzelka, O. Santolik, and W. Kurth, ELF/VLF propagation at subauroral latitudes: Conjugate observation between the ground and Van Allen Probes A, <i>J. Geophys. Res.</i> , 121, doi: 10.1002/2015JA022264, 2016.	yes	Martinez-Calderon, C., K. Shiokawa, Y. Miyoshi, K. Keika, M. Ozaki, I. Schofield, M. Connors, C. Kletzing, M. Hanzelka, O. Santolik, and W. Kurth	ELF/VLF propagation at subauroral latitudes: Conjugate observation between the ground and Van Allen Probes A	<i>J. Geophys. Res.</i>	121	10.1002/2015JA022264	2016
7	Kim, K.-H., Y. Omura, J.-S. Park, K. Shiokawa, D.-H. Lee, H. Jin, E. Lee, and H.-J. Kwon, Spectral characteristics of steady quiet-time EMIC waves observed at geosynchronous orbit, <i>J. Geophys. Res.</i> , 121, doi: 10.1002/2016JA022957, 2016.	yes	Kim, K.-H., Y. Omura, J.-S. Park, K. Shiokawa, D.-H. Lee, H. Jin, E. Lee, and H.-J. Kwon	Spectral characteristics of steady quiet-time EMIC waves observed at geosynchronous orbit	<i>J. Geophys. Res.</i>	121	10.1002/2016JA022957	2016
8	Fukuda, Y., R. Kataoka, H. A. Uchida, Y. Miyoshi, D. Hampton, K. Shiokawa, Y. Ebihara, D. Whiter, N. Iwagami, and K. Seki, First evidence of patchy flickering aurora modulated by multi-ion electromagnetic ion cyclotron waves, <i>Geophys. Res. Lett.</i> , 44, doi: 10.1002/2017GL072956, 2017.	yes	Fukuda, Y., R. Kataoka, H. A. Uchida, Y. Miyoshi, D. Hampton, K. Shiokawa, Y. Ebihara, D. Whiter, N. Iwagami, and K. Seki	First evidence of patchy flickering aurora modulated by multi-ion electromagnetic ion cyclotron waves	<i>Geophys. Res. Lett.</i>	44	10.1002/2017GL072956	2017
9	Zou, Y., Y. Nishimura, L. R. Lyons, and K. Shiokawa, Localized Polar Cap Precipitation in Association with Non-storm Time Airglow Patches, <i>Geophys. Res. Lett.</i> , 44, doi: 10.1002/2016GL071168, 2017.	yes	Zou, Y., Y. Nishimura, L. R. Lyons, and K. Shiokawa	Localized Polar Cap Precipitation in Association with Non-storm Time Airglow Patches	<i>Geophys. Res. Lett.</i>	44	10.1002/2016GL071168	2017
10	Nakamura, Y., K. *Shiokawa, Y. Otsuka, S.-I. Oyama, S. Nozawa, T. Komolmis, S. Komonjida, D. Neudegg, C. Yuile, J. Meriwether, H. Shinagawa, and H. Jin, Measurement of thermospheric temperatures using OMTI Fabry-Perot interferometers with 70mm etalon, <i>Earth, Planets and Space</i> , 69, doi: 10.1186/s40623-017-0643-1, 2017.	yes	Nakamura, Y., K. *Shiokawa, Y. Otsuka, S.-I. Oyama, S. Nozawa, T. Komolmis, S. Komonjida, D. Neudegg, C. Yuile, J. Meriwether, H. Shinagawa, and H. Jin	Measurement of thermospheric temperatures using OMTI Fabry-Perot interferometers with 70mm etalon	<i>Earth Planets Space</i>	3	10.1186/s40623-017-0643-1	2017
11	Figueiredo, C.A., C. Wrasse, H. Takahashi, Y. Otsuka, K. Shiokawa, and D. Silva, Large-scale traveling ionospheric disturbances observed by GPS DTEC maps over north and south America on Saint Patrick's day storm in 2015, <i>J. Geophys. Res.</i> , 122, doi: 10.1002/2016JA023417, 2017.	yes	Figueiredo, C.A., C. Wrasse, H. Takahashi, Y. Otsuka, K. Shiokawa, and D. Silva	Large-scale traveling ionospheric disturbances observed by GPS DTEC maps over north and south America on Saint Patrick's day storm in 2015	<i>J. Geophys. Res.</i>	122	10.1002/2016JA023417	2017
12	Balan, N., S. S Tulasiram, Y Kamide, I. S. Batista, K. Shiokawa, P. K. Rajesh, and N. J. Victor, Automatic selection of Dst storms and their seasonal variations in two versions of Dst in 50 years, <i>Earth Planets Space</i> , 69, doi: 10.1186/s40623-017-0642-2, 2017.	yes	Balan, N., S. S Tulasiram, Y Kamide, I. S. Batista, K. Shiokawa, P. K. Rajesh, and N. J. Victor	Automatic selection of Dst storms and their seasonal variations in two versions of Dst in 50 years	<i>Earth, Planets and Space</i>	69	10.1186/s40623-017-0642-2	2017
13	Miyoshi, Y., Y. Kasaba, I Shinohara, T Takashima, K Asamura, H Matsumoto, N Higashio, T Mitani, S Kasahara, S Yokota, S Wang, Y Kazama, Y Kasahara, S Yagitani, A Matsuoka, H Kojima, Y Katoh, K Shiokawa, K Seki, M Fujimoto, T Ono, and ERG project group, Geospace exploration project: Arase (ERG), <i>IOP Conf. Series: J, Phys.: Conf. Series</i> , 869, doi:10.1088/1742-6596/869/1/012095, 2017.	no	Miyoshi, Y., Y. Kasaba, I Shinohara, T Takashima, K Asamura, H Matsumoto, N Higashio, T Mitani, S Kasahara, S Yokota, S Wang, Y Kazama, Y Kasahara, S Yagitani, A Matsuoka, H Kojima, Y Katoh, K Shiokawa, K Seki, M Fujimoto, T Ono, and ERG project group	Geospace exploration project: Arase (ERG)	<i>IOP Conf. Series: J, Phys.: Conf. Series</i>	869	10.1088/1742-6596/869/1/012095	2017
14	Keika, K., Y. Miyoshi, S. Machida, A. Ieda, K. Seki, T. Hori, Y. Miyashita, M. Shoji, I. Shinohara, V. Angelopoulos, J. W. Lewis, and A. Flores, A visualization tool for three-dimensional plasma velocity distributions (ISEE_3D) as a plug-in tool for SPEDAS, <i>Earth Planets Space</i> , 69:170, doi:10.1186/s40623-017-0761-9, 2017.	no	Keika, K., Y. Miyoshi, S. Machida, A. Ieda, K. Seki, T. Hori, Y. Miyashita, M. Shoji, I. Shinohara, V. Angelopoulos, J. W. Lewis, and A. Flores	A visualization tool for three-dimensional plasma velocity distributions (ISEE_3D) as a plug-in tool for SPEDAS	<i>J. Geophys. Res.</i>	122	10.0002/2017JA024025	2017
15	Yonezu, Y., K. Shiokawa, M. Connors, M. Ozaki, J. K Manninen, H. Yamagishi, and M. Okada, Simultaneous observations of magnetospheric ELF/VLF emissions in Canada, Finland, and Antarctica, <i>J. Geophys. Res.</i> , 122, doi: 10.0002/2017JA024211, 2017.	yes	Yonezu, Y., K. Shiokawa, M. Connors, M. Ozaki, J. K Manninen, H. Yamagishi, and M. Okada	Simultaneous observations of magnetospheric ELF/VLF emissions in Canada, Finland, and Antarctica	<i>J. Geophys. Res.</i>	122	10.0002/2017JA024211	2017

16	Xu, H., K. Shiokawa, and D. Frühauff, Statistical analysis of severe magnetic fluctuations in the near-Earth plasma sheet observed by THEMIS-E, <i>Ann. Geophys.</i> , 35, doi:10.5194/angeo-35-1131-2017, 10.5194/angeo-35-1131-2017-corrigendum, 2017	yes	Xu, H., K. Shiokawa, and D. Frühauff	Statistical analysis of severe magnetic fluctuations in the near-Earth plasma sheet observed by THEMIS-E	Ann. Geophys.	35	10.5194/angeo-35-1131-2017	2017
17	Tan, L. M., K. Shiokawa, N. N. Thu and T. Q. Ha, Density variability of nighttime D-region ionosphere in Vietnamese and Japanese sectors, <i>J. Geophys. Res.</i> , 122, doi:10.0002/2017JA024025, 2017.	yes	Tan, L. M., K. Shiokawa, N. N. Thu and T. Q. Ha	Density variability of nighttime D-region ionosphere in Vietnamese and Japanese sectors	J. Geophys. Res.	122	10.0002/2017JA024025	2017
18	Takeo, D., K. Shiokawa, H. Fujinami, Y. Otsuka, T. S. Matsuda, M. K. Ejiri, T. Nakamura and M. Yamamoto, Sixteen-year variation of horizontal phase velocity and propagation direction of mesospheric and thermospheric waves in airglow images at Shigaraki, Japan, <i>J. Geophys. Res.</i> , 122, doi: 10.0002/2017JA023919, 2017.	yes	Takeo, D., K. Shiokawa, H. Fujinami, Y. Otsuka, T. S. Matsuda, M. K. Ejiri, T. Nakamura and M. Yamamoto	Sixteen-year variation of horizontal phase velocity and propagation direction of mesospheric and thermospheric waves in airglow images at Shigaraki, Japan	J. Geophys. Res.	122	10.0002/2017JA023919	2017
19	Takahashi, N., Y. Kasaba, Y. Nishimura, A. Shinbori, T. Kikuchi, T. Hori, Y. Ebihara, and N. Nishitani, Propagation and evolution of electric fields associated with solar wind pressure pulses based on spacecraft and ground-based observations, <i>J. Geophys. Res.</i> , 122, doi:10.1002/2017JA023990, 2017.	yes	Takahashi, N., Y. Kasaba, Y. Nishimura, A. Shinbori, T. Kikuchi, T. Hori, Y. Ebihara, and N. Nishitani	Propagation and evolution of electric fields associated with solar wind pressure pulses based on spacecraft and ground-based observations	J. Geophys. Res.	122	10.1002/2017JA023990	2017
20	Shoji, M., Y. Miyoshi, Y. Katoh, K. Keika, V. Angelopoulos, S. Kasahara, K. Asamura, S. Nakamura, and Y. Omura, Ion hole formation and nonlinear generation of Electromagnetic Ion Cyclotron waves: THEMIS observations, <i>Geophysical Research Letters</i> , 44, doi:10.1023/2017GL074254, 2017.	no	Shoji, M., Y. Miyoshi, Y. Katoh, K. Keika, V. Angelopoulos, S. Kasahara, K. Asamura, S. Nakamura, and Y. Omura	Ion hole formation and nonlinear generation of Electromagnetic Ion Cyclotron waves: THEMIS observations	Geophys. Res. Lett.	44	10.1023/2017GL074254	2017
21	Shiokawa, K., Y. Kato, Y. Hamaguchi, Y. Yamamoto, T. Adachi, M. Ozaki, S.-I. Oyama, M. Nosé, et al., Ground-based instruments of the PWING project to investigate dynamics of the inner magnetosphere at subauroral latitudes as a part of the ERG-ground coordinated observation network, <i>Earth Planets Space</i> , 69:160, doi: 10.1186/s40623-017-0745-9, 2017	yes	Shiokawa, K., Y. Kato, Y. Hamaguchi, Y. Yamamoto, T. Adachi, M. Ozaki, S.-I. Oyama, M. Nosé, et al.	Ground-based instruments of the PWING project to investigate dynamics of the inner magnetosphere at subauroral latitudes as a part of the ERG-ground coordinated observation network	Earth Planets Space	69	10.1186/s40623-017-0745-9	2017
22	Shinbori, A., Y. Koyama, M. Nosé, T. Hori, and Y. Otsuka, Characteristics of seasonal variation and solar activity dependence of the geomagnetic solar quiet daily variation, <i>J. Geophys. Res.</i> , 122, doi: 10.1002/2017JA024342, 2017.	yes	Shinbori, A., Y. Koyama, M. Nosé, T. Hori, and Y. Otsuka	Characteristics of seasonal variation and solar activity dependence of the geomagnetic solar quiet daily variation	J. Geophys. Res.	122	10.1002/2017JA024342	2017
23	Sato, N., A. S. Yukimatu, Y.-M. Tanaka, Y.-M. and T. Hori, Morphologies of omega band auroras, <i>Earth Planets Space</i> , 69:103, doi:10.1186/s40623-017-0688-1, 2017.	no	Sato, N., A. S. Yukimatu, Y.-M. Tanaka, Y.-M. and T. Hori	Simultaneous FPI and TMA measurements of the lower thermospheric wind in the vicinity of the poleward expanding aurora after substorm onset	Earth Planets Space	69	10.1186/s40623-017-0688-1	2017
24	Oyama, S., K. Kubota, T. Morinaga, T. T. Tsuda, J. Kurihara, M. F. Larsen, M. Yamamoto, and L. Cai, Simultaneous FPI and TMA measurements of the lower thermospheric wind in the vicinity of the poleward expanding aurora after substorm onset, <i>J. Geophys. Res.</i> , 122, doi: 10.1002/2017JA024613, 2017.	yes	Oyama, S., K. Kubota, T. Morinaga, T. T. Tsuda, J. Kurihara, M. F. Larsen, M. Yamamoto, and L. Cai	Simultaneous FPI and TMA measurements of the lower thermospheric wind in the vicinity of the poleward expanding aurora after substorm onset	J. Geophys. Res.	122	10.1002/2017JA024613	2017
25	Oyama, S., A. Kero, C. J. Rodger, M. A. Clilverd, Y. Miyoshi, N. Partamies, E. Turunen, T. Raita, P. T. Verronen, and S. Saito, Energetic electron precipitation and auroral morphology at the substorm recovery phase, <i>J. Geophys. Res.</i> , 122, doi:10.1002/2016JA023484, 2017	yes	Oyama, S., A. Kero, C. J. Rodger, M. A. Clilverd, Y. Miyoshi, N. Partamies, E. Turunen, T. Raita, P. T. Verronen, and S. Saito	Energetic electron precipitation and auroral morphology at the substorm recovery phase	J. Geophys. Res.	122	10.1002/2016JA023484	2017
26	Nosé, M., M. Uyeshima, J. Kawai, and H. Hase, Ionospheric Alfvén resonator observed at low-latitude ground station, Muroto, <i>J. Geophys. Res.</i> , 122, doi:10.1002/2017JA024204, 2017.	yes	Nosé, M., M. Uyeshima, J. Kawai, and H. Hase	Ionospheric Alfvén resonator observed at low-latitude ground station	J. Geophys. Res.	122	10.1002/2017JA024204	2017
27	Nishi, K., K. Shiokawa, and D. Frühauff, Conjugate observation of auroral finger-like structures by ground-based all-sky cameras and THEMIS satellites, <i>J. Geophys. Res.</i> , 122, doi:10.0002/2016JA023774, 2017.	yes	Nishi, K., K. Shiokawa, and D. Frühauff	Conjugate observation of auroral finger-like structures by ground-based all-sky cameras and THEMIS satellites	J. Geophys. Res.	122	10.0002/2016JA023774	2017
28	Kawai, J., M. Miyamoto, M. Kawabata, M. Nosé, Y. Haruta, and G. Uehara, Characterization and demonstration results of a SQUID magnetometer system developed for geomagnetic field measurements, <i>Superconductor Science and Technology</i> , 30, doi:10.1088/1361-6668/aa733f, 2017.	no	Kawai, J., M. Miyamoto, M. Kawabata, M. Nosé, Y. Haruta, and G. Uehara	Characterization and demonstration results of a SQUID magnetometer system developed for geomagnetic field	Superconductor Science and Technology	30	10.1088/1361-6668/aa733f	2017
29	Kasaba, Y., K. Ishisaka, Y. Kasahara, T. Imachi, S. Yagitani, H. Kojima, S. Matsuda, M. Shoji, S. Kurita, T. Hori, A. Shinbori, M. Teramoto, Y. Miyoshi, T. Nakagawa, N. Takahashi, Y. Nishimura, A. Matsuoka, A. Kumamoto, F. Tsuchiya, and R. Nomura, Wire probe antenna (WPT) and electric field detector (EFD) of plasma wave experiment (PWE) aboard the Arase satellite: specifications and initial evaluation results, <i>Earth. Planets. Space.</i> , 69:174, doi: 10.1186/s40623-017-0760-x, 2017.	no	Kasaba, Y., K. Ishisaka, Y. Kasahara, T. Imachi, S. Yagitani, H. Kojima, S. Matsuda, M. Shoji, S. Kurita, T. Hori, A. Shinbori, M. Teramoto, Y. Miyoshi, T. Nakagawa, N. Takahashi, Y. Nishimura, A. Matsuoka, A. Kumamoto, F. Tsuchiya, and R. Nomura	Wire probe antenna (WPT) and electric field detector (EFD) of plasma wave experiment (PWE) aboard the Arase satellite: specifications and initial evaluation results	Earth Planets Space	69:174	10.1186/s40623-017-0760-x	2017
30	Jayachandran, P. T., A. M. Hamza, K. Hosokawa, H. Mezoui, and K. Shiokawa, GPS amplitude and phase scintillation associated with polar cap auroral forms, <i>J. Atmos. Solar-Terr. Phys.</i> , 164, doi:10.1016/j.jastp.2017.08.030, 2017.	yes	Jayachandran, P. T., A. M. Hamza, K. Hosokawa, H. Mezoui, and K. Shiokawa	GPS amplitude and phase scintillation associated with polar cap auroral forms	J. Atmos. Solar-Terr. Phys.	164	10.1016/j.jastp.2017.08.030	2017
31	Hui, D., D. Chakarabarty, R. Sekar, G. D. Reeves, A. Yoshikawa, and K. Shiokawa, Contribution of Storm-Time Substorms to the Prompt Electric Field Disturbances in the Equatorial Ionosphere, <i>J. Geophys. Res.</i> , 122, doi:10.0002/2016JA023754, 2017.	yes	Hui, D., D. Chakarabarty, R. Sekar, G. D. Reeves, A. Yoshikawa, and K. Shiokawa	Contribution of Storm-Time Substorms to the Prompt Electric Field Disturbances in the Equatorial Ionosphere	J. Geophys. Res.	122	10.0002/2016JA023754	2017

32	Grandin, M.A. Kero, N. Partamies, D. McKay, D. Whiter, A. Kozlovsky, Y. Miyoshi, Observation of pulsating aurora signatures in cosmic noise absorption data, <i>Geophys. Res. Lett.</i> , 44, doi:10.1002/2017GL073901, 2017.	yes	Grandin, M.A. Kero, N. Partamies, D. McKay, D. Whiter, A. Kozlovsky, and Y. Miyoshi	Observation of pulsating aurora signatures in cosmic noise absorption data	Geophys. Res. Lett.	44	10.1002/2017GL073901	2017
33	Seki, K., Y. Miyoshi, Y. Ebihara, Y. Katoh, T. Amano, S. Saito, M. Shoji, A. Nakamizo, K. Keika, T. Hori, S. Nakano, S. Watanabe, K. Kamiya, N. Takahashi, Y. Omura, M. Nosé, M.-C. Fok, T. Tanaka, A. Ieda, and A. Yoshikawa, Theory, modeling, and integrated studies in the Arase (ERG) project, <i>Earth Planets Space</i> , 70:17, 10.1186/s40623-018-0785-9, 2018.	yes	Seki, K., Y. Miyoshi, Y. Ebihara, Y. Katoh, T. Amano, S. Saito, M. Shoji, A. Nakamizo, K. Keika, T. Hori, S. Nakano, S. Watanabe, K. Kamiya, N. Takahashi, Y. Omura, M. Nosé, M.-C. Fok, T. Tanaka, A. Ieda, and A. Yoshikawa	Theory, modeling, and integrated studies in the Arase (ERG) project	Earth Planets Space	13	Dr13-3-9026	2018
34	Kamiya, K., K. Seki, S. Saito, T. Amano, and Y. Miyoshi, Formation of butterfly pitch angle distributions of relativistic electrons in the outer radiation belt with a monochromatic Pc5 wave, <i>J. Geophys. Res.</i> , 123, doi:10.1002/2017JA024764, 2018.	yes	Kamiya, K., K. Seki, S. Saito, T. Amano, and Y. Miyoshi	Formation of butterfly pitch angle distributions of relativistic electrons in the outer radiation belt with a monochromatic Pc5 wave	J. Geophys. Res.	123	10.1002/2017JA024764	2018
35	Tsuda, T. T., M. T. Rietveld, M. J. Kosch, S. Oyama, K. Hosokawa, S. Nozawa, T. Kawabata, A. Mizuno and Y. Ogawa, Survey of conditions for artificial aurora experiments at EISCAT Tromsø using dynasonde data, <i>Earth Planets Space</i> , 70:40, doi:10.1186/s40623-018-0805-9, 2018.	yes	Tsuda, T. T., M. T. Rietveld, M. J. Kosch, S. Oyama, K. Hosokawa, S. Nozawa, T. Kawabata, A. Mizuno and Y. Ogawa	Survey of conditions for artificial aurora experiments at EISCAT Tromsø using dynasonde data	Earth Planets Space	3	10.1186/s40623-018-0805-9	2018
36	Takahashi, K., S. Oimatsu, M. Nosé, K. Min, S. G. Claudepierre, A. Chan, J. Wygant, and H. Kim, Van Allen Probes observations of second harmonic poloidal standing Alfvén waves, <i>J. Geophys. Res.</i> , 123, doi:10.1002/2017JA024869, 2018.	no	Takahashi, K., S. Oimatsu, M. Nosé, K. Min, S. G. Claudepierre, A. Chan, J. Wygant, and H. Kim	Van Allen Probes observations of second harmonic poloidal standing Alfvén waves	J. Geophys. Res.	123	10.1002/2017JA024869	2018
37	Oimatsu, S., M. Nosé, K. Takahashi, K. Yamamoto, K. Keika, C. A. Kletzing, C. W. Smith, R. J. MacDowall, and D. G. Mitchell, Van Allen Probes observations of drift-bounce resonance and energy transfer between energetic ring current protons and poloidal Pc4 wave, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2017JA025087, 2018.	yes	Oimatsu, S., M. Nosé, K. Takahashi, K. Yamamoto, K. Keika, C. A. Kletzing, C. W. Smith, R. J. MacDowall, and D. G. Mitchell	Van Allen Probes observations of drift-bounce resonance and energy transfer between energetic ring current protons and poloidal Pc4 wave	J. Geophys. Res.	123	10.1029/2017JA025087	2018
38	Matsuoka, A., M. Teramoto, R. Nomura, M. Nosé, A. Fujimoto, Y. Tanaka, M. Shinohara, T. Nagatsuma, K. Shiokawa, Y. Obana, Y. Miyoshi, M. Mita, T. Takashima, and I. Shinohara, The ARASE (ERG) magnetic field investigation, <i>Earth, Planets and Space</i> , 70:43, doi: 10.1186/s40623-018-0800-1, 2018.	no	Matsuoka, A., M. Teramoto, R. Nomura, M. Nosé, A. Fujimoto, Y. Tanaka, M. Shinohara, T. Nagatsuma, K. Shiokawa, Y. Obana, Y. Miyoshi, M. Mita, T. Takashima, and I. Shinohara	The ARASE (ERG) magnetic field investigation	Earth, Planets and Space	70:43	10.1186/s40623-018-0800-1	2018
39	Keika, K., K. Seki, M. Nosé, Y. Miyoshi, L. J. Lanzerotti, D. G. Mitchell, M. Gkioulidou, and J. W. Manweiler, Three-step buildup of the 17 March 2015 storm ring current: Implication for the cause of the unexpected storm intensification, <i>J. Geophys. Res.</i> , 123, doi:10.1002/2017JA024462, 2018.	no	Keika, K., K. Seki, M. Nosé, Y. Miyoshi, L. J. Lanzerotti, D. G. Mitchell, M. Gkioulidou, and J. W. Manweiler	Three-step buildup of the 17 March 2015 storm ring current: Implication for the cause of the unexpected storm intensification	J. Geophys. Res.	123	10.1002/2017JA024462	2018
40	Kasahara, S., Y. Miyoshi, S. Yokota, T. Mitani, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, Y. Kazama, H.U. Frey, V. Anvelopoulos, S. Kurita, K. Keika, K. Seki, and I. Shinohara, Pulsating aurora from electron scattering by chorus waves, <i>Nature</i> , 554, doi:10.1038/nature25505, 2018.	yes	Kasahara, S., Y. Miyoshi, S. Yokota, T. Mitani, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, Y. Kazama, H.U. Frey, V. Anvelopoulos, S. Kurita, K. Keika, K. Seki, and I. Shinohara	Pulsating aurora from electron scattering by chorus waves	Nature	554	10.1038/nature25505	2018
41	Ieda, A., K. Kauristie, Y. Nishimura, Y. Miyashita, H. U. Frey, L. Juusola, D. Whiter, M. Nosé, M. O. Fillingim, F. Honary, N. C. Rogers, Y. Miyoshi, T. Miura, T. Kawashima, and S. Machida, Simultaneous observation of auroral substorm onset in Polar satellite global images and ground-based allsky images, <i>Earth, Planets and Space</i> , 70, doi:10.1186/s40623-018-0843-3, 2018.	no	Ieda, A., K. Kauristie, Y. Nishimura, Y. Miyashita, H. U. Frey, L. Juusola, D. Whiter, M. Nosé, M. O. Fillingim, F. Honary, N. C. Rogers, Y. Miyoshi, T. Miura, T. Kawashima, and S. Machida	Simultaneous observation of auroral substorm onset in Polar satellite global images and ground-based allsky images	Earth, Planets and Space	70	10.1186/s40623-018-0843-3	2018
42	Figueiredo, C. A. O. B., H. Takahashi, C. M. Wrasse, Y. Otsuka, K. Shiokawa, and D. Barros, Medium scale traveling ionospheric disturbances observed by detrended total electron content maps over Brazil, <i>J. Geophys. Res.</i> , 123, doi:10.0002/2017JA025021, 2018.	yes	Figueiredo, C. A. O. B., H. Takahashi, C. M. Wrasse, Y. Otsuka, K. Shiokawa, and D. Barros	Medium scale traveling ionospheric disturbances observed by detrended total electron content maps over Brazil	J. Geophys. Res.	123	10.0002/2017JA025021	2018
43	Ozaki, M., K. Shiokawa, Y. Miyoshi, R. Kataoka, M. Connors, T. Inoue, S. Yagitani, Y. Ebihara, C.-W. Jun, R. Nomura, K. Sakaguchi, Y. Otsuka, H.A. Uchida, I. Schofield, and D.W. Danskin, Discovery of 1-Hz range modulation of isolated proton aurora at subauroral latitudes, <i>Geophys. Res. Lett.</i> , 45, doi:10.0002/2017GL076486, 2018.	yes	Ozaki, M., K. Shiokawa, Y. Miyoshi, R. Kataoka, M. Connors, T. Inoue, S. Yagitani, Y. Ebihara, C.-W. Jun, R. Nomura, K. Sakaguchi, Y. Otsuka, H.A. Uchida, I. Schofield, and D.W. Danskin	Discovery of 1-Hz range modulation of isolated proton aurora at subauroral latitude	Geophys. Res. Lett.	45	10.0002/2017GL076486	2018
44	Tsuda, T. T., M. T. Rietveld, M. J. Kosch, S. Oyama, Y. Ogawa, K. Hosokawa, S. Nozawa, T. Kawabata, and A. Mizuno, Survey of conditions for artificial aurora experiments by the second electron gyro-harmonic at EISCAT Tromsø using dynasonde data, <i>Earth, Planets, Space</i> , 70:94, doi:10.1186/s40623-018-0864-y, 2018	yes	Tsuda, T. T., M. T. Rietveld, M. J. Kosch, S. Oyama, Y. Ogawa, K. Hosokawa, S. Nozawa, T. Kawabata, and A. Mizuno	Survey of conditions for artificial aurora experiments by the second electron gyro-harmonic at EISCAT Tromsø using dynasonde data	Earth, Planets, Space	70:94	10.1186/s40623-018-0864-y	2018
45	Oyama, S., T. T. Tsuda, K. Hosokawa, Y. Ogawa, Y. Miyoshi, S. Kurita, A. E. Kero, R. Fujii, Y. Tanaka, A. Mizuno, T. Kawabata, B. Gustavsson, and T. Leyser, Auroral molecular-emission effects on the atomic oxygen line at 777.4 nm, <i>Earth, Planets and Space</i> , 70:166, doi:10.1186/s40623-018-0936-z, 2018.	yes	Oyama, S., T. T. Tsuda, K. Hosokawa, Y. Ogawa, Y. Miyoshi, S. Kurita, A. E. Kero, R. Fujii, Y. Tanaka, A. Mizuno, T. Kawabata, B. Gustavsson, and T. Leyser	Auroral molecular-emission effects on the atomic oxygen line at 777.4 nm	Earth, Planets and Space	70:166	10.1186/s40623-018-0936-z	2018
46	Yamamoto, K., M. Nosé, S. Kasahara, S. Yokota, K. Keika, A. Matsuoka, M. Teramoto, K. Takahashi, S. Oimatsu, R. Nomura, M. Vellante, B. Heilig, A. Fujimoto, Y. Tanaka, M. Shinohara I. Shinohara, and Y. Miyoshi, Giant pulsations excited by a steep earthward gradient of proton phase space density: Arase observation, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078293, 2018.	yes	Yamamoto, K., M. Nosé, S. Kasahara, S. Yokota, K. Keika, A. Matsuoka, M. Teramoto, K. Takahashi, S. Oimatsu, R. Nomura, M. Vellante, B. Heilig, A. Fujimoto, Y. Tanaka, M. Shinohara I. Shinohara, and Y. Miyoshi	Giant pulsations excited by a steep earthward gradient of proton phase space density: Arase observation	Geophys. Res. Lett.	45	10.1029/2018GL078293	2018
47	Tsugawa, T., M. Nishioka, M. Ishii, K. Hozumi, S. Saito, A. Shinbori, Y. Otsuka, A. Saito, S. M. Buhari, M. Abdullah, and P. Supnithi, Total electron content observations by dense regional and worldwide international networks of GNSS, <i>Journal of Disaster Research</i> , 13, doi:10.20965/jdr.2018.p0535, 2018	yes	Tsugawa, T., M. Nishioka, M. Ishii, K. Hozumi, S. Saito, A. Shinbori, Y. Otsuka, A. Saito, S. M. Buhari, M. Abdullah, and P. Supnithi	Total electron content observations by dense regional and worldwide international networks of GNSS	J. Disaster Res.	13	10.20965/jdr.2018.p0535	2018
48	Tsuchiya, S., K. Shiokawa, H. Fujinami, Y. Otsuka, T. Nakamura, and M. Yamamoto, Statistical analysis of the phase velocity distribution of mesospheric and ionospheric waves observed in airglow images over a 16-year period: comparison between Rikubetsu and Shigaraki, Japan, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025585, 2018.	yes	Tsuchiya, S., K. Shiokawa, H. Fujinami, Y. Otsuka, T. Nakamura, and M. Yamamoto	Statistical analysis of the phase velocity distribution of mesospheric and ionospheric waves observed in airglow images over a 16-year period: comparison between Rikubetsu and Shigaraki, Japan	J. Geophys. Res.	123	10.1029/2018JA025585	2018

49	Tsuchiya, F., A. Hirai, T. Obara, H. Misawa, S. Kurita, Y. Miyoshi, K. Shiokawa, M. Connors, M. Ozaki, Y. Kasahara, A. Kumamoto, Y. Kasaba, A. Matsuoka, M. Shoji, and I. Shinohara, Energetic electron precipitation associated with pulsating aurora observed by VLF radio propagation during the recovery phase of a substorm on 27 March 2017, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080222, 2018.	yes	Tsuchiya, F., A. Hirai, T. Obara, H. Misawa, S. Kurita, Y. Miyoshi, K. Shiokawa, M. Connors, M. Ozaki, Y. Kasahara, A. Kumamoto, Y. Kasaba, A. Matsuoka, M. Shoji, and I. Shinohara	Energetic electron precipitation associated with pulsating aurora observed by VLF radio propagation during the recovery phase of a substorm on 27 March 2017	<i>Geophys. Res. Lett.</i>	45	10.1029/2018GL080222	2018
50	Takahashi, N., K. Seki, M. Teramoto, M.-C. Fok, Y. Zheng, A. Matsuoka, N. Higashio, K. Shiokawa, D. Baishev, A. Yoshikawa, and T. Nagatsuma, Global distribution of ULF waves during magnetic storms: Comparison of Arase, ground observations and BATSRUS+CRCM simulation, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078857, 2018.	yes	Takahashi, N., K. Seki, M. Teramoto, M.-C. Fok, Y. Zheng, A. Matsuoka, N. Higashio, K. Shiokawa, D. Baishev, A. Yoshikawa, and T. Nagatsuma	Global distribution of ULF waves during magnetic storms: Comparison of Arase, ground observations and BATSRUS+CRCM simulation	<i>Geophys. Res. Lett.</i>	45	10.1029/2018GL078857	2018
51	Takahashi, K., R. Denton, T. Motoba, A. Matsuoka, Y. Kasaba, Y. Kasahara, M. Teramoto, M. Shoji, N. Takahashi, Y. Miyoshi, M. Nosé, A. Kumamoto, F. Tsuchiya, R. Redmon, and J. Rodriguez, Impulsively Excited Nightside Ultralow Frequency Waves Simultaneously Observed On and Off the Magnetic Equator, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078731, 2018.	yes	Takahashi, K., R. Denton, T. Motoba, A. Matsuoka, Y. Kasaba, Y. Kasahara, M. Teramoto, M. Shoji, N. Takahashi, Y. Miyoshi, M. Nosé, A. Kumamoto, F. Tsuchiya, R. Redmon, and J. Rodriguez,	Impulsively Excited Nightside Ultralow Frequency Waves Simultaneously Observed On and Off the Magnetic Equator	<i>Geophys. Res. Lett.</i>	45	10.0002/2018JA02510.1029/2018GL078731261	2018
52	Takagi, Y., K. *Shiokawa, Y. Otsuka, M. Connors, and I. Schofield, Statistical analysis of SAR arc detachment from the main oval based on 11-year, all-sky imaging observation at Athabasca, Canada, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL079615, 2018	yes	Takagi, Y., K. *Shiokawa, Y. Otsuka, M. Connors, and I. Schofield	Statistical analysis of SAR arc detachment from the main oval based on 11-year, all-sky imaging observation at Athabasca, Canada	<i>Geophys. Res. Lett.</i>	45	10.1029/2018GL079615	2018
53	Shoji, M., Y. Miyoshi, Y. Omura, L.M. Kistler, Y. Kasaba, S. Matsuda, Y. Kasahara, A. Matsuoka, R. Nomura, K. Ishisaka, A. Kumamoto, F. Tsuchiya, S. Yagitani, M. Teramoto, K. Asamura, T. Takashima, and I. Shinohara, Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL079765, 2018.	yes	Shoji, M., Y. Miyoshi, Y. Omura, L.M. Kistler, Y. Kasaba, S. Matsuda, Y. Kasahara, A. Matsuoka, R. Nomura, K. Ishisaka, A. Kumamoto, F. Tsuchiya, S. Yagitani, M. Teramoto, K. Asamura, T. Takashima, and I. Shinohara	Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation	<i>Geophys. Res. Lett.</i>	45	10.1029/2018GL079765	2018
54	Shinbori, A., Y. Otsuka, T. Tsugawa, M. Nishioka, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Kasahara, A. Matsuoka, J. M. Ruohoniemi, S. G. Shepherd, and N. Nishitani, Temporal and spatial variations of storm time midlatitude ionospheric trough based on global GNSS-TEC and Arase satellite observations, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078723, 2018.	yes	Shinbori, A., Y. Otsuka, T. Tsugawa, M. Nishioka, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Kasahara, A. Matsuoka, J. M. Ruohoniemi, S. G. Shepherd, and N. Nishitani	Temporal and spatial variations of storm time midlatitude ionospheric trough based on global GNSS-TEC and Arase satellite observations	<i>Geophys. Res. Lett.</i>	45	10.1029/2018GL078723	2018
55	Perwitasari, S., T. Nakamura, M. Kogure, Y. Tomikawa, M. K. Ejiri, and K. Shiokawa, Comparison of gravity wave propagation direction observed by mesospheric airglow imaging at three different latitudes by using M-transform, <i>Ann. Geophys.</i> , 36, doi:10.5194/angeo-36-1597-2018, 2018.	yes	Perwitasari, S., T. Nakamura, M. Kogure, Y. Tomikawa, M. K. Ejiri, and K. Shiokawa	Comparison of gravity wave propagation direction observed by mesospheric airglow imaging at three different latitudes by using M-transform	<i>Ann. Geophys.</i>	36	10.5194/angeo-36-1597-2018	2018
56	Ozaki, M., K. Shiokawa, Y. Miyoshi, K. Hosokawa, S. Oyama, S. Yagitani, Y. Kasahara, Y. Kasaba, S. Matsuda, R. Kataoka, Y. Ebihara, Y. Ogawa, Y. Otsuka, S. Kurita, R. C. Moore, Y.-M. Tanaka, M. Nosé, T. Nagatsuma, M. Connors, N. Nishitani, Y. Katoh, M. Hikishima, A. Kumamoto, F. Tsuchiya, A. Kadokura, T. Nishiyama, T. Inoue, K. Imamura, A. Matsuoka, and I. Shinohara, Microscopic observations of pulsating aurora associated with chorus element structures: Coordinated Arase satellite-PWING observations, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL079812, 2018.	yes	Ozaki, M., K. Shiokawa, Y. Miyoshi, K. Hosokawa, S. Oyama, S. Yagitani, Y. Kasahara, Y. Kasaba, S. Matsuda, R. Kataoka, Y. Ebihara, Y. Ogawa, Y. Otsuka, S. Kurita, R. C. Moore, Y.-M. Tanaka, M. Nosé, T. Nagatsuma, M. Connors, N. Nishitani, Y. Katoh, M. Hikishima, A. Kumamoto, F. Tsuchiya, A. Kadokura, T. Nishiyama, T. Inoue, K. Imamura, A. Matsuoka, and I. Shinohara	Microscopic observations of pulsating aurora associated with chorus element structures: Coordinated Arase satellite-PWING observations	<i>Geophys. Res. Lett.</i>	45	10.1029/2018GL079812	2018
57	Oimatsu, S., M. Nosé, M. Teramoto, K. Yamamoto, A. Matsuoka, S. Kasahara, S. Yokota, K. Keika, G. Le, R. Nomura, A. Fujimoto, D. Sormakov, O. Troshichev, Y.-M. Tanaka, M. Shinohara, I. Shinohara, Y. Miyoshi, J. A. Slavin, R. E. Ergun, and P.-A. Lindqvist, Drift-bounce resonance between Pc5 pulsations and ions at multiple energies in the nightside magnetosphere: Arase and MMS observations, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078961, 2018.	yes	Oimatsu, S., M. Nosé, M. Teramoto, K. Yamamoto, A. Matsuoka, S. Kasahara, S. Yokota, K. Keika, G. Le, R. Nomura, A. Fujimoto, D. Sormakov, O. Troshichev, Y.-M. Tanaka, M. Shinohara, I. Shinohara, Y. Miyoshi, J. A. Slavin, R. E. Ergun, and P.-A. Lindqvist	Drift-bounce resonance between Pc5 pulsations and ions at multiple energies in the nightside magnetosphere: Arase and MMS observations	<i>Geophys. Res. Lett.</i>	45	10.1029/2018GL078961	2018
58	Nosé, M., A. Matsuoka, S. Kasahara, S. Yokota, M. Teramoto, K. Keika, K. Yamamoto, R. Nomura, A. Fujimoto, N. Higashio, H. Koshiishi, S. Imajo, S. Oimatsu, Y.-M. Tanaka, M. Shinohara, I. Shinohara, and Y. Miyoshi, Magnetic field dipolarization and its associated ion flux variations in the dawnside deep inner magnetosphere: Arase observations, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078825, 2018.	yes	Nosé, M., A. Matsuoka, S. Kasahara, S. Yokota, M. Teramoto, K. Keika, K. Yamamoto, R. Nomura, A. Fujimoto, N. Higashio, H. Koshiishi, S. Imajo, S. Oimatsu, Y.-M. Tanaka, M. Shinohara, I. Shinohara, and Y. Miyoshi	Magnetic field dipolarization and its associated ion flux variations in the dawnside deep inner magnetosphere: Arase observations	<i>Geophys. Res. Lett.</i>	45	10.1029/2018GL078825	2018
59	Nosé, M., A. Matsuoka, A. Kumamoto, Y. Kasahara, J. Goldstein, M. Teramoto, F. Tsuchiya, S. Matsuda, M. Shoji, S. Imajo, S. Oimatsu, K. Yamamoto, Y. Obana, R. Nomura, A. Fujimoto, I. Shinohara, Y. Miyoshi, W. S. Kurth, C. A. Kletzing, C. W. Smith, and R. J. MacDowall, Longitudinal structure of oxygen torus in the inner magnetosphere: Simultaneous observations by Arase and Van Allen Probe A, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080122, 2018.	yes	Nosé, M., A. Matsuoka, A. Kumamoto, Y. Kasahara, J. Goldstein, M. Teramoto, F. Tsuchiya, S. Matsuda, M. Shoji, S. Imajo, S. Oimatsu, K. Yamamoto, Y. Obana, R. Nomura, A. Fujimoto, I. Shinohara, Y. Miyoshi, W. S. Kurth, C. A. Kletzing, C. W. Smith, and R. J. MacDowall	Longitudinal structure of oxygen torus in the inner magnetosphere: Simultaneous observations by Arase and Van Allen Probe A	<i>Geophys. Res. Lett.</i>	45	10.1029/2018GL080122	2018
60	Nosé, M., A. Matsuoka, S. Kasahara, S. Yokota, M. Teramoto, K. Keika, K. Yamamoto, R. Nomura, A. Fujimoto, N. Higashio, H. Koshiishi, S. Imajo, S. Oimatsu, and Y.-M. Tanaka, Magnetic Field Dipolarization and Its Associated Ion Flux Variations in the Dawnside Deep Inner Magnetosphere: Arase Observations, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078825, 2018.	yes	Nosé, M., A. Matsuoka, S. Kasahara, S. Yokota, M. Teramoto, K. Keika, K. Yamamoto, R. Nomura, A. Fujimoto, N. Higashio, H. Koshiishi, S. Imajo, S. Oimatsu, and Y.-M. Tanaka	Magnetic Field Dipolarization and Its Associated Ion Flux Variations in the Dawnside Deep Inner Magnetosphere: Arase Observations	<i>Geophys. Res. Lett.</i>	45	10.1029/2018GL078825	2018
61	Nishi, K., K. Shiokawa, K.-H. Glassmeier, and J. Z. D. Mieth, Statistical study of phase relationship between magnetic and plasma pressures in the near-earth nightside magnetosphere using the THEMIS-E satellite, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025846, 2018.	yes	Nishi, K., K. Shiokawa, K.-H. Glassmeier, and J. Z. D. Mieth	Statistical study of phase relationship between magnetic and plasma pressures in the near-earth nightside magnetosphere using the THEMIS-E satellite	<i>J. Geophys. Res.</i>	123	10.1029/2018JA025846	2018
62	Nishi, K., K. Shiokawa, and H. Spence, Magnetospheric source region of auroral finger-like structures observed by the RBSP-A satellite, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025480, 2018	yes	Nishi, K., K. Shiokawa, and H. Spence	Magnetospheric source region of auroral finger-like structures observed by the RBSP-A satellite	<i>J. Geophys. Res.</i>	123	10.1029/2018JA025480	2018

63	Narayanan, V. L., K. Shiokawa, Y. Otsuka, and D. Neudegg, On the role of thermospheric winds and sporadic E layers in the formation and evolution of Electrified Medium-Scale Traveling Ionospheric Disturbances (EMSTIDs) in geomagnetic conjugate regions, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025261, 2018.	yes	Narayanan, V. L., K. Shiokawa, Y. Otsuka, and D. Neudegg	On the role of thermospheric winds and sporadic E layers in the formation and evolution of Electrified Medium-Scale Traveling Ionospheric Disturbances (EMSTIDs) in geomagnetic conjugate regions	J. Geophys. Res.	123	10.1029/2018JA025261	2018
64	Miyoshi, Y., T. Hori, M. Shoji, M. Teramoto, T.-F. Chang, T. Segawa, N. Umemura, S. Matsuda, S. Kurita, K. Keika, Y. Miyashita, K. Seki, Y. Tanaka, N. Nishitani, S. Kasahara, S. Yokota, A. Matsuoka, Y. Kasahara, K. Asamura, T. Takashima, and I. Shinohara, <i>The ERG Science Center</i> , Earth, Planets, Space, 70, doi:10.1186/s40623-018-0867-8, 2018.	yes	Miyoshi, Y., T. Hori, M. Shoji, M. Teramoto, T.-F. Chang, T. Segawa, N. Umemura, S. Matsuda, S. Kurita, K. Keika, Y. Miyashita, K. Seki, Y. Tanaka, N. Nishitani, S. Kasahara, S. Yokota, A. Matsuoka, Y. Kasahara, K. Asamura, T. Takashima, and I. Shinohara	The ERG Science Center	Earth, Planets, Space	70	10.1186/s40623-018-0867-8	2018
65	Miyoshi, Y., I. Shinohara, T. Takashima, K. Asamura, N. Higashio, T. Mitani, S. Kasahara, S. Yokota, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, P.T.P. Ho, Y. Kasahara, Y. Kasaba, S. Yagitani, A. Matsuoka, H. Kojima, Y. Katoh, K. Shiokawa, and K. Seki, <i>Geospace Exploration Project ERG</i> , Earth Planets and Space, 70, doi:10.1186/s40623-018-0862-0, 2018.	yes	Miyoshi, Y., I. Shinohara, T. Takashima, K. Asamura, N. Higashio, T. Mitani, S. Kasahara, S. Yokota, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, P.T.P. Ho, Y. Kasahara, Y. Kasaba, S. Yagitani, A. Matsuoka, H. Kojima, Y. Katoh, K. Shiokawa, and K. Seki	Geospace Exploration Project ERG	Earth Planets and Space	70	10.1186/s40623-018-0862-0	2018
66	Matsuda, S., Y. Kasahara, Y. Miyoshi, R. Nomura, M. Shoji, A. Matsuoka, Y. Kasaba, S. Kurita, M. Teramoto, and K. Ishisaka, Spatial distribution of fine-structured and unstructured EMIC waves observed by the Arase satellite, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080109, 2018.	yes	Matsuda, S., Y. Kasahara, Y. Miyoshi, R. Nomura, M. Shoji, A. Matsuoka, Y. Kasaba, S. Kurita, M. Teramoto, and K. Ishisaka	Spatial distribution of fine-structured and unstructured EMIC waves observed by the Arase satellite	Geophys. Res. Lett.	45	10.1029/2018GL080109	2018
67	Kurita, S., Y. Miyoshi, S. Kasahara, S. Yokota, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, and I. Shinohara, Deformation of electron pitch angle distributions caused by upper-band chorus observed by the Arase satellite, <i>Geophys. Res. Lett.</i> , 45, 10.1029/2018GL079104, 2018.	yes	Kurita, S., Y. Miyoshi, S. Kasahara, S. Yokota, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, and I. Shinohara	Deformation of electron pitch angle distributions caused by upper-band chorus observed by the Arase satellite	Geophys. Res. Lett.	45	10.1029/2018GL079104	2018
68	Kurita, S., Y. Miyoshi, K. Shiokawa, N. Higashio, T. Mitani, T. Takashima, A. Matsuoka, I. Shinohara, C. A. Kletzing, J. B. Blake, S. G. Claudepierre, M. Connors, S. Oyama, T. Nagatsuma, K. Sakaguchi, D. Baishev and Y. Otsuka, Rapid loss of relativistic electrons by EMIC waves in the outer radiation belt observed by Arase, Van Allen Probes, and the PWING ground stations, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080262, 2018.	yes	Kurita, S., Y. Miyoshi, K. Shiokawa, N. Higashio, T. Mitani, T. Takashima, A. Matsuoka, I. Shinohara, C. A. Kletzing, J. B. Blake, S. G. Claudepierre, M. Connors, S. Oyama, T. Nagatsuma, K. Sakaguchi, D. Baishev and Y. Otsuka	Rapid loss of relativistic electrons by EMIC waves in the outer radiation belt observed by Arase, Van Allen Probes, and the PWING ground stations	Geophys. Res. Lett.	45	10.1029/2018GL080262	2018
69	Kurita, S., Y. Miyoshi, J. B. Blake, and R. H. Friedel, Response of relativistic electron microbursts to the arrival of high speed solar wind streams and its relation to flux variation of trapped radiation belt electrons, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025675, 2018.	yes	Kurita, S., Y. Miyoshi, J. B. Blake, and R. H. Friedel	Response of relativistic electron microbursts to the arrival of high speed solar wind streams and its relation to flux variation of trapped radiation belt electrons	J. Geophys. Res.	123	10.1029/2018JA025675	2018
70	Shiokawa, K., M. Ozaki, A. Kadokura, Y. Endo, T. Sakanoi, S. Kurita, Y. Miyoshi, S.-I. Oyama, M. Connors, I. Schofield, J. Michael Ruohoniemi, M. Nosé, T. Nagatsuma, K. Sakaguchi, D. G. Baishev, A. Pashinin, R. Rakhmatulin, B. Shevtsov, I. Poddelsky, M. Engebretson, Tero Raita, Y.-M. Tanaka, M. Shinohara, M. Teramoto, R. Nomura, A. Fujimoto, A. Matsuoka, N. Higashio, T. Takashima, I. Shinohara, and Jay M. Albert, Purple auroral rays and global Pc1 pulsations observed at the CIR-associated solar wind density enhancement on March 21, 2017, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL079103, 2018.	yes	Shiokawa, K., M. Ozaki, A. Kadokura, Y. Endo, T. Sakanoi, S. Kurita, Y. Miyoshi, S.-I. Oyama, M. Connors, I. Schofield, J. Michael Ruohoniemi, M. Nosé, T. Nagatsuma, K. Sakaguchi, D. G. Baishev, A. Pashinin, R. Rakhmatulin, B. Shevtsov, I. Poddelsky, M. Engebretson, Tero Raita, Y.-M. Tanaka, M. Shinohara, M. Teramoto, R. Nomura, A. Fujimoto, A. Matsuoka, N. Higashio, T. Takashima, I. Shinohara, and Jay M. Albert	Purple auroral rays and global Pc1 pulsations observed at the CIR-associated solar wind density enhancement on March 21, 2017	Geophys. Res. Lett.	45	10.1029/2018GL079103	2018
71	Kotov, D. V., P. G. Richards, V. Truklik, O. V. Bogomaz, M. O. Shulha, N. Maruyama, M. Hairston, Y. Miyoshi, Y. Kasahara, A. Kumamoto, F. Tsuchiya, A. Matsuoka, I. Shinohara, M. Hernandez-Pajares, I. F. Dominin, T. G. Zhivolup, L. Ya. Emelyanov, and Ya. M. Chepurnyy, Coincident observations by the Kharkiv IS radar and ionosonde, DMSP and Arase(ERG) satellites, and FLIP model simulations: Implications for the NRLMSISE-00 hydrogen density, plasmasphere and ionosphere, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL079206, 2018	yes	Kotov, D. V., P. G. Richards, V. Truklik, O. V. Bogomaz, M. O. Shulha, N. Maruyama, M. Hairston, Y. Miyoshi, Y. Kasahara, A. Kumamoto, F. Tsuchiya, A. Matsuoka, I. Shinohara, M. Hernandez-Pajares, I. F. Dominin, T. G. Zhivolup, L. Ya. Emelyanov, and Ya. M. Chepurnyy	Coincident observations by the Kharkiv IS radar and ionosonde, DMSP and Arase(ERG) satellites, and FLIP model simulations: Implications for the NRLMSISE-00 hydrogen density, plasmasphere and ionosphere	Geophys. Res. Lett.	45	10.1029/2018GL079206	2018
72	Kitamura, N., M. Kitahara, M. Shoji, Y. Miyoshi, H. Hasegawa, S. Nakamura, Y. Katoh, Y. Saito, S. Yokota, D. J. Gershman, A. F. Vinas, B. L. Giles, T. E. Moore, W. R. Paterson, C. J. Pollock, C. T. Russell, R. J. Strangeway, S. A. Fuselier, and J. L. Burch, Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma, <i>Science</i> , 361, doi:10.1126/science.aap8730, 2018.	yes	Kitamura, N., M. Kitahara, M. Shoji, Y. Miyoshi, H. Hasegawa, S. Nakamura, Y. Katoh, Y. Saito, S. Yokota, D. J. Gershman, A. F. Vinas, B. L. Giles, T. E. Moore, W. R. Paterson, C. J. Pollock, C. T. Russell, R. J. Strangeway, S. A. Fuselier, and J. L. Burch	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma	Science	361	10.1126/science.aap8730	2018
73	Kim, H., J. Hwang, J. Park, Y. Miyashita, K. Shiokawa, I. R. Mann, T. Raita, and J. Lee, Large scale ducting of Pc1 pulsations observed by Swarm satellites and multiple ground networks, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080693, 2018.	yes	Kim, H., J. Hwang, J. Park, Y. Miyashita, K. Shiokawa, I. R. Mann, T. Raita, and J. Lee	Large scale ducting of Pc1 pulsations observed by Swarm satellites and multiple ground networks	Geophys. Res. Lett.	45	10.1029/2018GL080693	2018
74	Keika, K., S. Kasahara, S. Yokota, M. Hoshino, K. Seki, M. Nosé, T. Amano, Y. Miyoshi and I. Shinohara, Ion Energies Dominating Energy Density in the Inner Magnetosphere: Spatial Distributions and Composition, Observed by Arase/MEP-i, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080047, 2018.	yes	Keika, K., S. Kasahara, S. Yokota, M. Hoshino, K. Seki, M. Nosé, T. Amano, Y. Miyoshi and I. Shinohara	Ion Energies Dominating Energy Density in the Inner Magnetosphere: Spatial Distributions and Composition, Observed by Arase/MEP-i	Geophys. Res. Lett.	45	10.1029/2018GL080047	2018
75	Kazama, Y., H. Kojima, Y. Miyoshi, Y. Kasahara, H. Usui, B.-J. Wang, S.-Y. Wang, S.W.Y. Tam, T.-F. Chang, P.T.P. Ho, K. Asamura, A. Kumamoto, F. Tsuchiya, Y. Kasaba, S. Matsuda, M. Shoji, A. Matsuoka, M. Teramoto, T. Takashima, and I. Shinohara, Density depletions associated with enhancements of electron cyclotron harmonic emissions: An ERG observation, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080117, 2018.	yes	Kazama, Y., H. Kojima, Y. Miyoshi, Y. Kasahara, H. Usui, B.-J. Wang, S.-Y. Wang, S.W.Y. Tam, T.-F. Chang, P.T.P. Ho, K. Asamura, A. Kumamoto, F. Tsuchiya, Y. Kasaba, S. Matsuda, M. Shoji, A. Matsuoka, M. Teramoto, T. Takashima, and I. Shinohara	Density depletions associated with enhancements of electron cyclotron harmonic emissions: An ERG observation	Geophys. Res. Lett.	45	10.1029/2018GL080117	2018

76	Imajo, S., M. Nosé, A. Matsuoka, S. Kasahara, S. Yokota, M. Teramoto, K. Keika, T. Motoba, B. Anderson, R. Nomura, A. Fujimoto, I. Shinohara, and Y. Miyoshi, Magnetosphere-ionosphere connection of storm-time Region-2 field-aligned current and ring current: Arase and AMPERE observations, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025865, 2018	yes	Imajo, S., M. Nosé, A. Matsuoka, S. Kasahara, S. Yokota, M. Teramoto, K. Keika, T. Motoba, B. Anderson, R. Nomura, A. Fujimoto, I. Shinohara, and Y. Miyoshi	Magnetosphere-ionosphere connection of storm-time Region-2 field-aligned current and ring current: Arase and AMPERE observations	J. Geophys. Res.	123	10.1029/2018JA025865	2018
77	Hori, T., N. Nishitani, S. G. Shepherd, J. M. Ruohoniemi, M. Connors, M. Teramoto, S. Nakano, K. Seki, N. Takahashi, S. Kasahara, S. Yokota, T. Mitani, T. Takashima, N. Higashio, A. Matsuoka, K. Asamura, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, Y. Miyoshi, and I. Shinohara, Substorm-associated ionospheric flow fluctuations during the 27 March 2017 magnetic storm: SuperDARN-Arase conjunction, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL079777, 2018.	yes	Hori, T., N. Nishitani, S. G. Shepherd, J. M. Ruohoniemi, M. Connors, M. Teramoto, S. Nakano, K. Seki, N. Takahashi, S. Kasahara, S. Yokota, T. Mitani, T. Takashima, N. Higashio, A. Matsuoka, K. Asamura, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, Y. Miyoshi, and I. Shinohara	Substorm-associated ionospheric flow fluctuations during the 27 March 2017 magnetic storm: SuperDARN-Arase conjunction	Geophys. Res. Lett.	45	10.1029/2018GL079777	2018
78	Hirai A., F. Tsuchiya, T. Obara, Y. Kasaba, Y. Katoh, H. Misawa, K. Shiokawa, Y. Miyoshi, S. Kurita, S. Matsuda, M. Connors, T. Nagatsuma, K. Sakaguchi, Y. Kasahara, A. Kumamoto, A. Matsuoka, M. Shoji, I. Shinohara and J. M. Albert, Temporal and Spatial Correspondence of Pc1/EMIC Waves and Relativistic Electron Precipitations Observed with Ground-Based Multi-Instruments on 27 March 2017, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080126, 2018.	yes	Hirai A., F. Tsuchiya, T. Obara, Y. Kasaba, Y. Katoh, H. Misawa, K. Shiokawa, Y. Miyoshi, S. Kurita, S. Matsuda, M. Connors, T. Nagatsuma, K. Sakaguchi, Y. Kasahara, A. Kumamoto, A. Matsuoka, M. Shoji, I. Shinohara and J. M. Albert	Temporal and Spatial Correspondence of Pc1/EMIC Waves and Relativistic Electron Precipitations Observed with Ground-Based Multi-Instruments on 27 March 2017	Geophys. Res. Lett.	45	10.1029/2018GL080126	2018
79	Fukizawa, M., T. Sakanoi, Y. Miyoshi, K. Hosokawa, K. Shiokawa, Y. Katoh, Y. Kazama, A. Kumamoto, F. Tsuchiya, Y. Miyashita, Y. -M. Tanaka, Y. Kasahara, M. Ozaki, A. Matsuoka, S. Matsuda, M. Hikishima, S. Oyama, Y. Ogawa, S. Kurita, and R. Fujii, Electrostatic electron cyclotron harmonic waves as a candidate to cause pulsating auroras, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080145, 2018.	yes	Fukizawa, M., T. Sakanoi, Y. Miyoshi, K. Hosokawa, K. Shiokawa, Y. Katoh, Y. Kazama, A. Kumamoto, F. Tsuchiya, Y. Miyashita, Y. -M. Tanaka, Y. Kasahara, M. Ozaki, A. Matsuoka, S. Matsuda, M. Hikishima, S. Oyama, Y. Ogawa, S. Kurita, and R. Fujii	Electrostatic electron cyclotron harmonic waves as a candidate to cause pulsating auroras	Geophys. Res. Lett.	45	10.1029/2018GL080145	2018
80	Figueiredo C. A. O. B., H. Takahashi, C. M. Wrasse, Y. Otsuka, K. Shiokawa and D. Barros, Investigation of nighttime MSTIDs observed by optical thermosphere imagers at low latitudes: Morphology, propagation direction, and wind filtering, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025438, 2018.	yes	Figueiredo C. A. O. B., H. Takahashi, C. M. Wrasse, Y. Otsuka, K. Shiokawa and D. Barros	Investigation of nighttime MSTIDs observed by optical thermosphere imagers at low latitudes: Morphology, propagation direction, and wind filtering	J. Geophys. Res.	123	10.1029/2018JA025438	2018
81	Engebretson, M., J. Posch, D. Braun, W. Li, Q. Ma, A. Kellerman, C.-L. Huang, S. Kanekal, C. Kletzing, J. Wygant, H. Spence, D. Baker, J. Fennell, V. Angelopoulos, H. Singer, M. Lessard, R. Horne, I. Mann, T. Raita, K. Shiokawa, R. Rakhmatulin, E. Dmitriev, and E. Ermakova, EMIC wave events during the four GEM QARBM challenge intervals, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025505, 2018.	yes	Engebretson, M., J. Posch, D. Braun, W. Li, Q. Ma, A. Kellerman, C.-L. Huang, S. Kanekal, C. Kletzing, J. Wygant, H. Spence, D. Baker, J. Fennell, V. Angelopoulos, H. Singer, M. Lessard, R. Horne, I. Mann, T. Raita, K. Shiokawa, R. Rakhmatulin, E. Dmitriev, and E. Ermakova	EMIC wave events during the four GEM QARBM challenge intervals	J. Geophys. Res.	123	10.1029/2018JA025505	2018
82	Walia, N. K., K. Seki, M. Hoshino, T. Amano, N. Kitamura, Y. Saito, S. Yokota, C. J. Pollock, B. L. Giles, T. E. Moore, R. B. Torbert, C. T. Russell, and J. L. Burch, A statistical study of slow-mode shocks observed by MMS in the dayside magnetopause, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL077580, 2018.	yes	Walia, N. K., K. Seki, M. Hoshino, T. Amano, N. Kitamura, Y. Saito, S. Yokota, C. J. Pollock, B. L. Giles, T. E. Moore, R. B. Torbert, C. T. Russell, and J. L. Burch	A statistical study of slow-mode shocks observed by MMS in the dayside magnetopause	Geophys. Res. Lett.	45	10.1029/2018GL077580	2018
83	Mitani, K., K. Seki, K. Keika, M. Gkioulidou, L. J. Lanzerotti, D. G. Mitchell, and C. A. Kletzing, Radial transport of higher-energy oxygen ions into the deep inner magnetosphere observed by Van Allen Probes, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL077500, 2018.	yes	Mitani, K., K. Seki, K. Keika, M. Gkioulidou, L. J. Lanzerotti, D. G. Mitchell, and C. A. Kletzing	Radial transport of higher-energy oxygen ions into the deep inner magnetosphere observed by Van Allen Probes	Geophys. Res. Lett.	45	10.1029/2018GL077500	2018
84	Yamamoto, K., S. Oimatsu, M. Nosé, A. Matsuoka, M. Teramoto, and S. Imajo, DC component of spacecraft-origin magnetic field noise at the Arase/MGF sensor: (1) Evaluation with Tsyganenko 89 model, JAXA Research and Development Report, JAXA-RR-18-005E, 18, 10.20637/JAXA-RR-18-005E/0004, 2019	yes	Yamamoto, K., S. Oimatsu, M. Nosé, A. Matsuoka, M. Teramoto, and S. Imajo	DC component of spacecraft-origin magnetic field noise at the Arase/MGF sensor: (1) Evaluation with Tsyganenko 89 model, JAXA Research and Development Report	JAXA Research and Development Report	18	10.20637/JAXA-RR-18-005E/0004	2019
85	Yamakawa, T., K. Seki, T. Amano, N. Takahashi, and Y. Miyoshi, Excitation of storm-time Pc5 ULF waves by ring current ions based on the drift-kinetic simulation, <i>Geophys. Res. Lett.</i> , 46, 10.1029/2018GL081573, 2019	yes	Yamakawa, T., K. Seki, T. Amano, N. Takahashi, and Y. Miyoshi	Excitation of storm-time Pc5 ULF waves by ring current ions based on the drift-kinetic simulation	Geophys. Res. Lett.	46	10.1029/2018GL081573	2019
86	Vichare, G., N. Thomas, K. Shiokawa, A. Bhaskar, and A. Kumar Sinha, Spatial gradients in geomagnetic storm-time currents observed by Swarm multi-spacecraft mission, <i>J. Geophys. Res.</i> , 124, doi:10.1029/2018JA025692, 2019.	yes	Vichare, G., N. Thomas, K. Shiokawa, A. Bhaskar, and A. Kumar Sinha	Spatial gradients in geomagnetic storm-time currents observed by Swarm multi-spacecraft mission	J. Geophys. Res.	124	10.1029/2018JA025692	2019
87	Thomas, N., K. Shiokawa, and G. Vichare, Comprehensive study of low-latitude Pi2 pulsations using observations from multi-satellite Swarm mission and global network of ground observatories, <i>J. Geophys. Res.</i> , 124, doi:10.1029/2018JA026094, 2019.	yes	Thomas, N., K. Shiokawa, and G. Vichare	Comprehensive study of low-latitude Pi2 pulsations using observations from multi-satellite Swarm mission and global network of ground observatories	J. Geophys. Res.	124	10.1029/2018JA026094	2019
88	Ozaki M., Y. Miyoshi, K. Shiokawa, K. Hosokawa, S.-I. Oyama, R. Kataoka, Y. Ebihara, Y. Ogawa, Y. Kasahara, S. Yagitani, Y. Kasaba, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Katoh, M. Hikishima, S. Kurita, Y. Otsuka, R. C. Moore, Y. Tanaka, M. Nosé, T. Nagatsuma, N. Nishitani, A. Kadokura, M. Connors, T. Inoue, A. Matsuoka, and I. Shinohara, Visualization of rapid electron precipitation via chorus element wave-particle interactions, <i>Nature Communications</i> , 10, doi:10.1038/s41467-018-07996-z, 2019	yes	Ozaki M., Y. Miyoshi, K. Shiokawa, K. Hosokawa, S.-I. Oyama, R. Kataoka, Y. Ebihara, Y. Ogawa, Y. Kasahara, S. Yagitani, Y. Kasaba, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Katoh, M. Hikishima, S. Kurita, Y. Otsuka, R. C. Moore, Y. Tanaka, M. Nosé, T. Nagatsuma, N. Nishitani, A. Kadokura, M. Connors, T. Inoue, A. Matsuoka, and I. Shinohara	Visualization of rapid electron precipitation via chorus element wave-particle interactions	Nature Communications	10	10.1038/s41467-018-07996-z	2019

89	Oimatsu, S., K. Yamamoto, M. Nosé, A. Matsuoka, M. Teramoto, and S. Imajo, DC component of spacecraft-origin magnetic field noise at the Arase/MGF sensor: (2) Evaluation with Tsyganenko-Sitnov 04 model, JAXA Research and Development Report, JAXA-RR-18-005E, 18, doi:10.20637/JAXA-RR-18-005E/0005, 2019.	yes	Oimatsu, S., K. Yamamoto, M. Nosé, A. Matsuoka, M. Teramoto, and S. Imajo	DC component of spacecraft-origin magnetic field noise at the Arase/MGF sensor: (2) Evaluation with Tsyganenko-Sitnov 04 model	JAXA Research and Development Report	18	10.20637/JAXA-RR-18-005E/0005	2019
90	Nakagawa, Y., S. Nozawa, and A. Shinbori, Relationship between the low-latitude coronal hole area, solar wind velocity, and geomagnetic activity during solar cycles 23 and 24, Earth, Planets, Space, 71:24, doi:10.1186/s40623-019-1005-y, 2019.	yes	Nakagawa, Y., S. Nozawa, and A. Shinbori	Relationship between the low-latitude coronal hole area, solar wind velocity, and geomagnetic activity during solar cycles 23 and 24	Earth, Planets, Space	71:24	10.1186/s40623-019-1005-y	2019
91	Kawamura, S., K. Hosokawa, S. Kurita, S. Oyama, Y. Miyoshi, Y. Kasahara, M. Ozaki, S. Matsuda, A. Matsuoka, B. Kozelov, Y. Kawamura, and I. Shinohara, Tracking the region of high correlation between pulsating aurora and chorus : simultaneous observations with Arase satellite and ground-based all-sky imager in Russia, J. Geophys. Res., 124, 10.1029/2019JA026496, 2019.	yes	Kawamura, S., K. Hosokawa, S. Kurita, S. Oyama, Y. Miyoshi, Y. Kasahara, M. Ozaki, S. Matsuda, A. Matsuoka, B. Kozelov, Y. Kawamura, and I. Shinohara	Tracking the region of high correlation between pulsating aurora and chorus : simultaneous observations with Arase satellite and ground-based all-sky imager in Russia	J. Geophys. Res.	124	10.1186/s40623-019-1005-y	2019
92	Kataoka, R. T. Nishiyama, Y. Tanaka, A. Kadokura, H. A. Uchida, Y. Ebihara, M. K. Ejiri, Y. Tomikawa, M. Tsutsumi, K. Sato, Y. Miyoshi, K. Shiokawa, S. Kurita, Y. Kasahara, M. Ozaki, K. Hosokawa, S. Matsuda, I. Shinohara, T. Takashima, T. Sato, T. Mitani, T. Hori, and N. Higashio, Transient ionization of the mesosphere during auroral breakup: Arase satellite and ground-based conjugate observations at Syowa Station., Earth Planets Space, 71:9, doi:10.1186/s40623-019-0989-7, 2019.	yes	Nakagawa, Y., S. Nozawa, and A. Shinbori	Relationship between the low-latitude coronal hole area, solar wind velocity, and geomagnetic activity during solar cycles 23 and 24	Earth, Planets, Space	71:9	10.1186/s40623-019-0989-7	2019
93	Huang, F., Y. Otsuka, J. Lei, X. Luan, X. Dou, and G. Li, Daytime periodic wave-like structures in the ionosphere observed at low latitudes over the Asian-Australian sector using total electron content from Beidou geostationary satellites, J. Geophys. Res., 124, doi:10.1029/2018JA026443, 2019.	yes	Huang, F., Y. Otsuka, J. Lei, X. Luan, X. Dou, and G. Li	Daytime periodic wave-like structures in the ionosphere observed at low latitudes over the Asian-Australian sector using total electron content from Beidou geostationary satellites	J. Geophys. Res.	124	10.1029/2018JA026443	2019
94	Chang, T.-Z., C.-Z. Cheng, S. W.-Y. Tam, C.-Y. Chiang, Y. Miyoshi, T. Hori, T. Mitani, T. Takashima, A. Matsuoka, M. Teramoto, and I. Shinohara, ERG observations of drift echoes during a unique period of the satellite mission, Earth, Planets, Space, 71, doi:10.1186/s40623-019-0999-5, 2019.	yes	Chang, T.-Z., C.-Z. Cheng, S. W.-Y. Tam, C.-Y. Chiang, Y. Miyoshi, T. Hori, T. Mitani, T. Takashima, A. Matsuoka, M. Teramoto, and I. Shinohara	ERG observations of drift echoes during a unique period of the satellite mission	Earth, Planets, Space	71	10.1186/s40623-019-0999-5	2019
95	Angelopoulos, V., P. Cruce, A. Drozdov, E. W. Grimes, N. Hatzigeorgiu, D. A. King, D. Larson, J. W. Lewis, J. M. McTiernan, D. A. Roberts, C. L. Russell, T. Hori, Y. Kasahara, A. Kumamoto, A. Matsuoka, Y. Miyashita, Y. Miyoshi, I. Shinohara, M. Teramoto, J. B. Faden, A. J. Halford, M. McCarthy, R. M. Millan, J. G. Sample, D. M. Smith, L. A. Woodger, A. Masson, A. A. Narock, K. Asamura, T. F. Chang, C.-Y. Chiang, Y. Kazama, K. Keika, S. Matsuda, T. Segawa, K. Seki, M. Shoji, S. W. Y. Tam, N. Umemura, B.-J. Wang, S.-Y. Wang, R. Redmon, J. V. Rodriguez, H. J. Singer, J. Vandegriff, S. Abe, M. Nosé, A. Shinbori, Y.-M. Tanaka, S. UeNo, L. Andersson, P. Dunn, C. Fowler, J. S. Halekas, T. Hara, Y. Harada, C. O. Lee, R. Lillis, D. L. Mitchell, M. R. Argall, K. Bromund, J. L. Burch, I. J. Cohen, M. Galloy, B. Giles, A. N. Jaynes, O. Le Contel, M. Oka, T. D. Phan, B. M. Walsh, J. Westlake, F. D. Wilder, S. D. Bale, R. Livi, M. Pulupa, P. Whittlesey, A. DeWolfe, B. Harter, E. Lucas, U. Auster, J. W. Bonnell, C. M. Cully, E. Donovan, R. E. Ergun, H. U. Frey, B. Jackel, A. Keiling, H. Korth, J. P. McFadden, Y. Nishimura, F. Plaschke, P. Robert, D. L. Turner, J. M. Weygand, R. M. Candey, R. C. Johnson, T. Kovalick, M. H. Liu, R. E. McGuire, A. Breneman, K. Kersten, and P. Schroeder, The Space Physics Environment Data Analysis System (SPEDAS), Space Sci. Rev., 215, doi:10.1007/s11214-018-0576-4, 2019	yes	Angelopoulos, V., P. Cruce, A. Drozdov, E. W. Grimes, N. Hatzigeorgiu, D. A. King, D. Larson, J. W. Lewis, J. M. McTiernan, D. A. Roberts, C. L. Russell, T. Hori, Y. Kasahara, A. Kumamoto, A. Matsuoka, Y. Miyashita, Y. Miyoshi, I. Shinohara, M. Teramoto, J. B. Faden, A. J. Halford, M. McCarthy, R. M. Millan, J. G. Sample, D. M. Smith, L. A. Woodger, A. Masson, A. A. Narock, K. Asamura, T. F. Chang, C.-Y. Chiang, Y. Kazama, K. Keika, S. Matsuda, T. Segawa, K. Seki, M. Shoji, S. W. Y. Tam, N. Umemura, B.-J. Wang, S.-Y. Wang, R. Redmon, J. V. Rodriguez, H. J. Singer, J. Vandegriff, S. Abe, M. Nosé, A. Shinbori, Y.-M. Tanaka, S. UeNo, L. Andersson, P. Dunn, C. Fowler, J. S. Halekas, T. Hara, Y. Harada, C. O. Lee, R. Lillis, D. L. Mitchell, M. R. Argall, K. Bromund, J. L. Burch, I. J. Cohen, M. Galloy, B. Giles, A. N. Jaynes, O. Le Contel, M. Oka, T. D. Phan, B. M. Walsh, J. Westlake, F. D. Wilder, S. D. Bale, R. Livi, M. Pulupa, P. Whittlesey, A. DeWolfe, B. Harter, E. Lucas, U. Auster, J. W. Bonnell, C. M. Cully, E. Donovan, R. E. Ergun, H. U. Frey, B. Jackel, A. Keiling, H. Korth, J. P. McFadden, Y. Nishimura, F. Plaschke, P. Robert, D. L. Turner, J. M. Weygand, R. M. Candey, R. C. Johnson, T. Kovalick, M. H. Liu, R. E. McGuire, A. Breneman, K. Kersten, and P. Schroeder	The Space Physics Environment Data Analysis System (SPEDAS)	Space Sci. Rev.	215	10.1007/s11214-018-0576-4	2019
96	Mitani, K., K. Seki, K. Keika, M. Gkioulidou, L. J. Lanzerotti, D. G. Mitchell, C. A. Kletzing, A. Yoshikawa, and Y. Obana, Statistical study of selective oxygen increase in high-energy ring current ions during magnetic storms, J. Geophys. Res., 124, doi:10.1029/2018JA026168, 2019.	yes	Mitani, K., K. Seki, K. Keika, M. Gkioulidou, L. J. Lanzerotti, D. G. Mitchell, C. A. Kletzing, A. Yoshikawa, and Y. Obana	Statistical study of selective oxygen increase in high-energy ring current ions during magnetic storms	J. Geophys. Res.	124	10.1029/2018JA026168	2019
97	Nishitani, N. J.M. Ruohoniemi, M. Lester, J.B.H. Baker, A.V. Koustov, S.G. Shepherd, G. Chisham, T. Hori, E.G. Thomas, R.A. Makarevich, A. Marchaudon, P. Ponomarenko, J.A. Wild, S.E. Milan, W.A. Bristow, J. Devlin, E. Miller, R.A. Greenwald, T. Ogawa, and T. Kikuchi, Review of the accomplishments of Mid-latitude Super Dual Auroral Radar Network (SuperDARN) HF Radars, Progress in Earth and Planetary Science, doi:10.1186/s40645-019-0270-5, 6:27, 2019.	yes	Nishitani, N. J.M. Ruohoniemi, M. Lester, J.B.H. Baker, A.V. Koustov, S.G. Shepherd, G. Chisham, T. Hori, E.G. Thomas, R.A. Makarevich, A. Marchaudon, P. Ponomarenko, J.A. Wild, S.E. Milan, W.A. Bristow, J. Devlin, E. Miller, R.A. Greenwald, T. Ogawa, and T. Kikuchi	Review of the accomplishments of Mid-latitude Super Dual Auroral Radar Network (SuperDARN) HF Radars	Progress in Earth and Planetary Science	6:27	10.1186/s40645-019-0270-5	2019
98	Miyoshi Y., S. Matsuda, S. Kurita, K. Nomura, K. Keika, M. Shoji, N. Kitamura, Y. Kasahara, A. Matsuoka, I. Shinohara, K. Shiokawa, S. Machida, O. Santolik, S. A. Boardsen, R. B. Horne, and J. F. Wygant, EMIC waves converted from equatorial noise due to M/Q=2 ions in the plasmasphere : Observations from Van Allen Probes and Arase, Geophys. Res. Lett., 46, doi:10.1029/2019GL083024, 2019.	yes	Miyoshi Y., S. Matsuda, S. Kurita, K. Nomura, K. Keika, M. Shoji, N. Kitamura, Y. Kasahara, A. Matsuoka, I. Shinohara, K. Shiokawa, S. Machida, O. Santolik, S. A. Boardsen, R. B. Horne, and J. F. Wygant	EMIC waves converted from equatorial noise due to M/Q=2 ions in the plasmasphere : Observations from Van Allen Probes and Arase	Geophys. Res. Lett.	46	10.1029/2019GL083024	2019

99	Obana, Y., N. Maruyama, A. Shinbori, K. K. Hashimoto, M. Fedrizzi, M. Nosé, Y. Otsuka, N. Nishitani, T. Hori, A. Kumamoto, F. Tsuchiya, S. Matsuda, A. Matsuoka, Y. Kasahara, A. Yoshikawa, Y. Miyoshi, and I. Shinohara, Response of the Ionosphere-Plasmasphere Coupling to the September 2017 Storm: What Erodes the Plasmasphere so Severely?, Space Weather, 17, doi:10.1029/2019SW002168, 2019.	yes	Obana, Y., N. Maruyama, A. Shinbori, K. K. Hashimoto, M. Fedrizzi, M. Nosé, Y. Otsuka, N. Nishitani, T. Hori, A. Kumamoto, F. Tsuchiya, S. Matsuda, A. Matsuoka, Y. Kasahara, A. Yoshikawa, Y. Miyoshi, and I. Shinohara	Response of the Ionosphere-Plasmasphere Coupling to the September 2017 Storm: What Erodes the Plasmasphere so Severely?	Space Weather	17	10.1029/2019SW002168	2019
100	Cai, L., S. Oyama, A. Aikio, H. Vanhamäki, and I. Virtanen, Fabry-Perot interferometer observations of thermospheric horizontal winds during magnetospheric substorms, J. Geophys. Res., 124, doi:10.1029/2018JA026241, 2019.	yes	Cai, L., S. Oyama, A. Aikio, H. Vanhamäki, and I. Virtanen	Fabry-Perot interferometer observations of thermospheric horizontal winds during magnetospheric substorms	J. Geophys. Res.	17	10.1029/2018JA026241	2019
101	Hendry, A. T., O. Santolik, C. A. Kletzing, C. J. Rodger, K. Shiokawa, and D. Baishev, Multi-instrument observation of nonlinear EMIC-driven electron precipitation at sub-MeV energies, Geophys. Res. Lett., 46, doi:10.1029/2019GL082401, 2019.	yes	Hendry, A. T., O. Santolik, C. A. Kletzing, C. J. Rodger, K. Shiokawa, and D. Baishev	Multi-instrument observation of nonlinear EMIC-driven electron precipitation at sub-MeV energies	Geophys. Res. Lett.	46	10.1029/2019GL082401	2019
102	Imajo, S., M. Nosé, S. Kasahara, S. Yokota, A. Matsuoka, K. Keika, T. Hori, M. Teramoto, K. Yamamoto, S. Oimatsu, R. Nomura, A. Fujimoto, I. Shinohara, and Y. Miyoshi, Meridional distribution of middle-energy protons and pressure-driven currents in the nightside inner magnetosphere: Arase observations, J. Geophys. Res., 124, doi:10.1029/2019JA026682, 2019.	yes	Imajo, S., M. Nosé, S. Kasahara, S. Yokota, A. Matsuoka, K. Keika, T. Hori, M. Teramoto, K. Yamamoto, S. Oimatsu, R. Nomura, A. Fujimoto, I. Shinohara, and Y. Miyoshi	Meridional distribution of middle-energy protons and pressure-driven currents in the nightside inner magnetosphere: Arase observations	J. Geophys. Res.	124	10.1029/2019JA026682	2019
103	Koval, A., Y. Chen, T. Tsugawa, Y. Otsuka, A. Shinbori, M. Nishioka, A. Brazhenko, A. Stanislavsky, A. Konovalenko, Q.-H. Zhang, C. Monstein, and R. Gorgutsa, Direct Observations of Traveling Ionospheric Disturbances as Focusers of Solar Radiation: Spectral Caustics, Ap. J., 877:98, doi:10.3847/1538-4357/ab1b52, 2019.	yes	Koval, A., Y. Chen, T. Tsugawa, Y. Otsuka, A. Shinbori, M. Nishioka, A. Brazhenko, A. Stanislavsky, A. Konovalenko, Q.-H. Zhang, C. Monstein, and R. Gorgutsa	Direct Observations of Traveling Ionospheric Disturbances as Focusers of Solar Radiation: Spectral Caustics	Ap. J.	877:98	10.3847/1538-4357/ab1b52	2019
104	Panasenko, S. V., Y. Otsuka, M. van de Kamp, L. F. Chernogor, A. Shinbori, T. Tsugawa, M. Nishioka, Observation and characterization of traveling ionospheric disturbances induced by solar eclipse of 20 March 2015 using incoherent scatter radars and GPS networks, J. Atmos. Sol.-Terr. Phys., 61, doi: 10.1016/j.jastp.2019.05.015, 2019.	yes	Panasenko, S. V., Y. Otsuka, M. van de Kamp, L. F. Chernogor, A. Shinbori, T. Tsugawa, M. Nishioka	Observation and characterization of traveling ionospheric disturbances induced by solar eclipse of 20 March 2015 using incoherent scatter radars and GPS networks	J. Atmos. Sol.-Terr. Phys.	61	10.1016/j.jastp.2019.05.015	2019
105	Xu, H., K. Shiokawa, S.-I. Oyama, and Y. Otsuka, Thermospheric wind variations observed by a Fabry-Perot interferometer at Tromsø, Norway, at substorm onsets, Earth, Planets Space, 71:93, doi: 10.1186/s40623-019-1072-0, 2019.	yes	Xu, H., K. Shiokawa, S.-I. Oyama, and Y. Otsuka	Thermospheric wind variations observed by a Fabry-Perot interferometer at Tromsø, Norway, at substorm onsets	Earth, Planets Space	71:93	10.1186/s40623-019-1072-0	2019
106	Xu, H., K. Shiokawa, S.-I. Oyama, and S. Nozawa, High-latitude thermospheric wind study using a Fabry-Perot interferometer at Tromsø in Norway: averages and variations during quiet times, Earth, Planets Space, 71:110, doi: 10.1186/s40623-019-1093-8, 2019.	yes	Xu, H., K. Shiokawa, S.-I. Oyama, and S. Nozawa	High-latitude thermospheric wind study using a Fabry-Perot interferometer at Tromsø in Norway: averages and variations during quiet times	Earth, Planets Space	71:110	10.1186/s40623-019-1093-8	2019
107	Goodwin, L. V., Y. Nishimura, Y. Zou, K. Shiokawa, and P. T. Jayachandran, Mesoscale convection structures associated with airglow patches characterized using Cluster-imager conjunctions, J. Geophys. Res., 124, 7513-7532, doi: 10.1029/2019JA026611, 2019.	yes	Goodwin, L. V., Y. Nishimura, Y. Zou, K. Shiokawa, and P. T. Jayachandran	Mesoscale convection structures associated with airglow patches characterized using Cluster-imager conjunctions	J. Geophys. Res.	124	10.1029/2019JA026611	2019
108	Tanaka, Y.-M., T. Nishiyama, A. Kadokura, M. Ozaki, Y. Miyoshi, K. Shiokawa, S.-I. Oyama, R. Kataoka, M. Tsutsumi, K. Nishimura, K. Sato, Y. Kasahara, A. Kumamoto, F. Tsuchiya, M. Fukizawa, M. Hikishima, S. Matsuda, A. Matsuoka, I. Shinohara, M. Nosé, T. Nagatsuma, M. Shinohara, A. Fujimoto, M. Teramoto, R. Nomura, A. Sessai Yukimatu, K. Hosokawa, M. Shoji, and R. Latteck, Direct comparison between magnetospheric plasma waves and polar mesosphere winter echoes in both hemispheres, J. Geophys. Res., 124, 9626-9639, doi: 10.1029/2019JA026891, 2019.	yes	Tanaka, Y.-M., T. Nishiyama, A. Kadokura, M. Ozaki, Y. Miyoshi, K. Shiokawa, S.-I. Oyama, R. Kataoka, M. Tsutsumi, K. Nishimura, K. Sato, Y. Kasahara, A. Kumamoto, F. Tsuchiya, M. Fukizawa, M. Hikishima, S. Matsuda, A. Matsuoka, I. Shinohara, M. Nosé, T. Nagatsuma, M. Shinohara, A. Fujimoto, M. Teramoto, R. Nomura, A. Sessai Yukimatu, K. Hosokawa, M. Shoji, and R. Latteck	A. Sessai Yukimatu, K. Hosokawa, M. Shoji, and R. Latteck, Direct comparison between magnetospheric plasma waves and polar mesosphere winter echoes in both hemispheres	J. Geophys. Res.	124	10.1029/2019JA026891	2019
109	Sori, T., A. Shinbori, Y. Otsuka, T. Tsugawa, and M. Nishioka, Characteristics of GNSS total electron content enhancements over the midlatitudes during a geomagnetic storm on 7 and 8 November 2004, J. Geophys. Res., 124, 10,376-10,394, doi: 10.1029/2019JA026713, 2019.	yes	Sori, T., A. Shinbori, Y. Otsuka, T. Tsugawa,	Characteristics of GNSS total electron content enhancements over the midlatitudes during a geomagnetic storm on 7 and 8 November 2004	J. Geophys. Res.	124	10.1029/2019JA026713	2019
110	Shiokawa, K., Y. Otsuka, and M. Connors, Statistical study of auroral/resonant-scattering 427.8-nm emission observed at subauroral latitudes over 14 years, J. Geophys. Res., 124, 9293-9301, doi: 10.1029/2019JA026704, 2019.	yes	Shiokawa, K., Y. Otsuka, and M. Connors	Statistical study of auroral/resonant-scattering 427.8-nm emission observed at subauroral latitudes over 14 years		124	10.1029/2019JA026704	2019

111	Tsuchiya, S., K. Shiokawa, H. Fujinami, Y. Otsuka, T. Nakamura, M. Connors, I. Schofield, B. Shevtsov, and I. Poddelsky, Three-dimensional Fourier analysis of the phase velocity distributions of mesospheric and ionospheric waves based on airglow images collected over 10 years: Comparison of Magadan, Russia, and Athabasca, Canada, <i>J. Geophys. Res.</i> , 124, 8110–8124, doi: 10.1029/2019JA026783, 2019.	yes	Tsuchiya, S., K. Shiokawa, H. Fujinami, Y. Otsuka, T. Nakamura, M. Connors, I. Schofield, B. Shevtsov, and I. Poddelsky	Three-dimensional Fourier analysis of the phase velocity distributions of mesospheric and ionospheric waves based on airglow images collected over 10 years: Comparison of Magadan, Russia, and Athabasca, Canada	J. Geophys. Res.	124	10.1029/2019JA026783	2019
112	Takeshita, Y., K. Shiokawa, M. Ozaki, J. Manninen, S.-I. Oyama, M. Connors, D. Baishev, V. Kurkin, and A. Oinats, Longitudinal extent of magnetospheric ELF/VLF waves using multipoint PWING ground stations at subauroral latitudes, <i>J. Geophys. Res.</i> , 124, 9881–9892, 2019.	yes	Takeshita, Y., K. Shiokawa, M. Ozaki, J. Manninen, S.-I. Oyama, M. Connors, D. Baishev, V. Kurkin, and A. Oinats	Longitudinal extent of magnetospheric ELF/VLF waves using multipoint PWING ground stations at subauroral latitudes	J. Geophys. Res.	124	10.1029/2019JA026810	2019
113	Martinez-Calderon, C., Y. Katoh, J. Manninen, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, A. Matsuoka, Masafumi Shoji, M. Teramoto, I. Shinohara, K. Shiokawa, and Y. Miyoshi, Conjugate observations of dayside and nightside VLF chorus and QP emissions between Arase (ERG) and Kannuslehto, Finland, <i>J. Geophys. Res.</i> , 125, e2019JA026663, doi: 10.1029/2019JA026663, 2020.	yes	Martinez-Calderon, C., Y. Katoh, J. Manninen, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, A. Matsuoka, Masafumi Shoji, M. Teramoto, I. Shinohara, K. Shiokawa, and Y. Miyoshi	Conjugate observations of dayside and nightside VLF chorus and QP emissions between Arase (ERG) and Kannuslehto, Finland	J. Geophys. Res.	125	10.1029/2019JA026663	2020
114	Kistler, L. M., C. G. Mouikis, K. Asamura, S. Yokota, S. Kasahara, Y. Miyoshi, K. Keika, A. Matsuoka, I. Shinohara, T. Hori, N. Kitamura, S. M. Petrinec, I. J. Cohen, and D. C. Delcourt, Cusp and nightside auroral sources of O ⁺ in the plasma sheet, <i>J. Geophys. Res.</i> , 124, 10,036–10,047, doi: 10.1029/2019JA027061, 2019.	yes	Kistler, L. M., C. G. Mouikis, K. Asamura, S. Yokota, S. Kasahara, Y. Miyoshi, K. Keika, A. Matsuoka, I. Shinohara, T. Hori, N. Kitamura, S. M. Petrinec, I. J. Cohen, and D. C. Delcourt	Cusp and nightside auroral sources of O ⁺ in the plasma sheet	J. Geophys. Res.	124	10.1029/2019JA027061	2019
115	S. Kasahara, Y. Miyoshi, S. Kurita, S. Yokota, K. Keika, T. Hori, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, K. Seki, and I. Shinohara, Strong diffusion of energetic electrons by equatorial chorus waves in the midnight-to-dawn sector, <i>Geophys. Res. Lett.</i> , 46, 12,685–12,692, doi: 10.1029/2019GL085499, 2019.	yes	S. Kasahara, Y. Miyoshi, S. Kurita, S. Yokota, K. Keika, T. Hori, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, K. Seki, and I. Shinohara	Strong diffusion of energetic electrons by equatorial chorus waves in the midnight-to-dawn sector	J. Geophys. Res.	47	10.1029/2019GL085499	2019
116	Teramoto, M., T. Hori, S. Saito, Y. Miyoshi, S. Kurita, N. Higashio, A. Matsuoka, Y. Kasahara, Y. Kasaba, T. Takashima, R. Nomura, M. Nosé, A. Fujimoto, Y.-M. Tanaka, M. Shoji, Y. Tsugawa, M. Shinohara, I. Shinohara, J. B. Blake, J. F. Fennell, S. G. Claudepierre, D. L. Turner, C. A. Kletzing, D. Sormakov, and O. Troshichev, Remote detection of drift resonance between energetic electrons and ultralow frequency waves: Multisatellite coordinated observation by Arase and Van Allen Probes, <i>Geophys. Res. Lett.</i> , 46, doi: 10.1029/2019GL084379, 2019.	yes	Teramoto, M., T. Hori, S. Saito, Y. Miyoshi, S. Kurita, N. Higashio, A. Matsuoka, Y. Kasahara, Y. Kasaba, T. Takashima, R. Nomura, M. Nosé, A. Fujimoto, Y.-M. Tanaka, M. Shoji, Y. Tsugawa, M. Shinohara, I. Shinohara, J. B. Blake, J. F. Fennell, S. G. Claudepierre, D. L. Turner, C. A. Kletzing, D. Sormakov, and O. Troshichev	Remote detection of drift resonance between energetic electrons and ultralow frequency waves: Multisatellite coordinated observation by Arase and Van Allen Probes	Geophys. Res. Lett.	47	10.1029/2019GL084379	2019
117	Yamamoto, K., M. Nosé, K. Keika, D. P. Hartley, C. W. Smith, R. J. MacDowall, L. J. Lanzerotti, D. G. Mitchell, H. E. Spence, G. D. Reeves, J. R. Wygant, J. W. Bonnell, and S. Oimatsu, Eastward propagating second harmonic poloidal waves triggered by temporary outward gradient of proton phase space density: Van Allen Probe A observation, <i>J. Geophys. Res.</i> , 124, 9904–9923, doi: 10.1029/2019JA027158, 2019.	yes	Yamamoto, K., M. Nosé, K. Keika, D. P. Hartley, C. W. Smith, R. J. MacDowall, L. J. Lanzerotti, D. G. Mitchell, H. E. Spence, G. D. Reeves, J. R. Wygant, J. W. Bonnell, and S. Oimatsu	Eastward propagating second harmonic poloidal waves triggered by temporary outward gradient of proton phase space density: Van Allen Probe A observation	J. Geophys. Res.	124	10.1029/2019JA027158	2019
118	Balan, N., Q.-H. Zhang, K. Shiokawa, R. Skoug, Z. Xing, S. Tulasi Ram, Y. Otsuka, IpsDst of Dst storms applied to ionosphere-thermosphere storms and low latitude aurora, <i>J. Geophys. Res.</i> , 124, 9552–9565, doi: 10.1029/2019JA027080, 2019.	yes	Balan, N., Q.-H. Zhang, K. Shiokawa, R. Skoug, Z. Xing, S. Tulasi Ram, Y. Otsuka	IpsDst of Dst storms applied to ionosphere-thermosphere storms and low latitude aurora	J. Geophys. Res.	124	10.1029/2019JA027080	2019
119	Tulasi Ram, S., B. Nilam, N. Balan, Q. Zhang, K. Shiokawa, D. Chakrabarty, Z. Xing, K. Venkatesh, B. Veenadhari, and A. Yoshikawa, Three different episodes of prompt equatorial electric field perturbations under steady southward IMF Bz during St. Patrick's Day storm, <i>J. Geophys. Res.</i> , 124, 10,428–10,443, doi:10.1029/2019JA027069, 2019.	yes	Ram, S. Tulasi, B. Nilam, N. Balan, Q. Zhang, K. Shiokawa, D. Chakrabarty, Z. Xing, K. Venkatesh, B. Veenadhari, and A. Yoshikawa	Three different episodes of prompt equatorial electric field perturbations under steady southward IMF Bz during St. Patrick's Day storm	J. Geophys. Res.	124	10.1029/2019JA027069	2019
120	Hasegawa, T., S. Matsuda, A. Kumamoto, F. Tsuchiya, Y. Kasahara, Y. Miyoshi, Y. Kasaba, A. Matsuoka, I. Shinohara, Automatic electron density determination by using a convolutional neural network, <i>IEEE Access</i> , 7, 163,384 - 163,394, doi: 10.1109/ACCESS.2019.2951916, 2019.	yes	Hasegawa, T., S. Matsuda, A. Kumamoto, F. Tsuchiya, Y. Kasahara, Y. Miyoshi, Y. Kasaba, A. Matsuoka, I. Shinohara	Automatic electron density determination by using a convolutional neural network	IEEE Access	7	10.1109/ACCESS.2019.2951916	2019

