

		ROSES Call	
2024 Report	LPAG report reference number	Year used in solicitation	
	25-1		Similar Storms, Different Effects – Scales of coupling of geomagnetic storm energy and momentum from the aurora to the equator.
	23-1		Connecting Space Weather and Thermospheric Density and Composition
	23-2		Multi-scale High-Latitude Forcing of the Ionosphere-Thermosphere System
	23-3		Solar Eclipses as a Naturally Occurring Ionosphere-Thermosphere Laboratory
	23-4		Ion-Neutral Coupling at Multi-scales in the Ionosphere-Thermosphere system
	23-6		Physical Processes Responsible for the Generation and Evolution of the Solar Wind
	23-7		Solar Flare Energetic Particles and Their Effects in Large Solar Energetic Particle Events
	23-9		Improve the Probabilistic Forecasting and Physical Understanding of Extreme Solar Events and their Impact on Heliosphere and Terrestrial Magnetosphere
	23-10		Understand Energy Partition and Energy Release Processes in Eruptive Events
2023 Report		Year used in solicitation	
	23-1		Connecting Space Weather and Thermospheric Density and Composition
	23-2		Multi-scale High-Latitude Forcing on Ionosphere-Thermosphere System
	23-3		Solar Eclipses as a Naturally Occurring Ionosphere-Thermosphere Laboratory
	23-4		Ion-Neutral Coupling at Multi-scales in the Ionosphere-Thermosphere system

	23-5	2024	Connecting Auroral Phenomena with Magnetospheric Phenomena
	23-6		Physical Processes Responsible for the Generation and Evolution of the Solar Wind
	23-7		Solar Flare Energetic Particles and Their Effects in Large Solar Energetic Particle Events
	23-8	2024	Understanding the Transport Processes of Solar Energetic Particles from Their Origins to the Entire Inner Heliosphere
	23-9		Extreme Solar Events — Probabilistic Forecasting and Physical Understanding
	23-10		Understand Energy Partition and Energy Release Processes in Eruptive Events
	23-11	2024	Atmospheric Evolution and Habitability in the Presence of a Star
	23-12		Understanding Space Weather Effects for Human Deep Space Flight
		Year used in solicitation.	
2020 Report			
	20-1.		Connecting Space Weather and Thermospheric Composition
	20-2.	2021	Impact of Terrestrial Weather on the Ionosphere-Thermosphere
	20-3.		Multi-scale High-Latitude Forcing on Ionosphere-Thermosphere System
	20-4.	2023	Understanding Ionospheric Conductivity and Its Variability
	20-5.	2022	Beyond F10.7: Quantifying Solar EUV Flux and Its Impact on the Ionosphere-Thermosphere-Mesosphere System
	20-6.		Solar Eclipses as a Naturally Occurring Ionosphere-Thermosphere Laboratory
	20-7.		Ion-Neutral Coupling in the Ionosphere-Thermosphere system
	20-8.	2021	Pathways of Cold Plasma through the Magnetosphere Pathways of Cold Plasma through the Magnetosphere

	20-9.		Connecting Auroral Phenomena with Magnetospheric Phenomena
	20-10.	2022	Coupling of the Solar Wind Plasma and Energy to the Geospace System
	20-11.	2023	Synergistic View of the Global Magnetosphere
	20-12.		Understanding Space Weather Effects and Developing Mitigation Strategies for Human Deep Space Flight
	20-13.	2023	Evolution of Coronal Mass Ejections in the Corona and Inner Heliosphere
	20-14.		Physical Processes Responsible for the Birth and Evolution of the Solar Wind
	20-15.	2021	Understanding the Large-Scale Evolution of the Solar Wind throughout the Heliosphere through the Solar Cycle
	20-16.		Solar Flare Energetic Particles and Their Effects in Large Solar Energetic Particle Events
	20-17.		Understanding the Transport Processes of Solar Energetic Particles from Their Origins to the Entire Inner Heliosphere
	20-18.		Extreme Solar Events — Probabilistic Forecasting and Physical Understanding
	20-19.	2021	Towards a Quantitative Description of the Magnetic Origins of the Corona and Inner Heliosphere
	20-20.		Understand Energy Partition and Energy Release Processes in Eruptive Events
	20-21.		Atmospheric Evolution and Loss to Space in the Presence of a Star
	20-22.		Stellar Impact and Extreme Activity on Exoplanetary Atmospheric Loss and Habitability
2018 Report			
	18-1.		Understanding the Impact of Thermospheric Structure and Dynamics on Orbital Drag
	18-2.	2020	Understanding and Predicting Radiation Belt Loss in the Coupled Magnetosphere

	18-3.		Pathways of Cold Plasma through the Magnetosphere
	18-4.		Understanding the Variability of the ITM System Due to Tides, Planetary Waves, Gravity Waves, and Traveling Ionospheric Disturbances
	18-5.	2019	The Variable Radiation Environment in the Dynamical Solar and Heliospheric System
	18-6.	2020	The Origin and Consequences of Suprathermal Particles that Seed Solar Energetic Particles
	18-7.		Connecting Thermospheric Composition and Space Weather
	18-8.		Understanding Ionospheric Conductivity and Its Variability
	18-9.	2020	Modeling and Validation of Ionospheric Irregularities and Scintillations
	18-10.	2019	Fast Reconnection Onset
	18-11.		Extreme Solar Events --- Probabilistic Forecasting and Physical Understanding
	18-12.		Connecting Auroral Phenomena with Magnetospheric Phenomena
	18-13.		Understanding SpaceWeather Effects and Developing Mitigation Strategies for Human Deep Space Flight
	18-14.		Solar Photospheric Magnetic Fields
	18-15.	2019	Magnetospheric and Ionospheric Processes Responsible for Rapid Geomagnetic Changes
	18-16.		Coupling of Solar Wind Plasma and Energy into the Geospace System
	18-17.		Combining Models and Observations to Study CME Plasma Energetics in the Inner Corona
	18-18.		Atmospheric Evolution and Loss to Space in the Presence of a Star
	18-19.	2020	Sun–Climate: Long Term Variability and Predictability of the Solar-Driven Earth System

	18-20.	2019	Hemispherical Asymmetries in Magnetosphere-Ionosphere-Thermosphere Coupling Processes: Fundamental Causes and Myriad Manifestations
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