

Appendix B

SEC Roadmap Acronyms

1D	One Dimensional	H	Hours
3-D	Three Dimensional	H	Hydrogen
AC	Alternating Current	He	Helium
ACE	Advanced Composition Explorer	Hi-EIRP	Effective Isotropic Radiated Power
ACRs	Anomalous Cosmic Rays	HIGO	Heliospheric Imager and Galactic Observer
AMS	Auroral Multiscale	IHS	Inner Heliospheric Sentinels
APS	Active Pixel Sensor	IMAGE	Imager for Magnetopause-to Aurora Global Exploration
AU	Astronomical Unit	IMC	Inner Magnetospheric Constellation
CCD	Charge Coupled Device	IMF	Interplanetary Magnetic Fields
CIRB	Cosmic Infrared Background	ISAS	Japanese Institute of Space and Astronautical Science
CIRs	Corotating Interaction Regions	IT	Information Technology
CMEs	Coronal Mass Ejections	IT	Ionosphere Thermosphere
CRRES	Combined Release and Radiation Effects Satellite	ITAR	International Traffic in Arms Regulations
DBC	Dayside Boundary Layer Constellation	ITM	Ionosphere / Thermosphere / Mesosphere
DC	Direct Current	JPO	Jupiter Polar Orbiter
DoD	Department of Defense	°K	Degrees Kelvin
DSN	Deep Space Network	km	Kilometer
ENA	Energetic Neutral Atom	LEO	Low Earth Orbit
EPO	Education and Public Outreach	LISM	Local Interstellar Medium
ESA	European Space Agency	LWS	Living With a Star
EUV	Extreme Ultraviolet	MagCon	Magnetospheric Constellation
eV	Electron Volt	MC	Magnetospheric Constellation
FOV	Field Of View	MeV	Million Electron Volts
FUV	Far Ultraviolet	MHD	MagnetoHydro Dynamics
GEC	Geospace Electrodynamic Connections	M-I	Magnetosphere-Ionosphere
GMIRs	Global Merged Interaction Regions	MIA	Magnetosphere-Ionosphere-Atmosphere
GNC	Guidance, Navigation and Control	MIO	Magnetosphere-Ionosphere Observatory
GOES	Geostationary Operational Environmental Satellites	MMO	Mercury Magnetosphere Orbiter
GPS	Global Positioning System		
GSRI	Geospace System Response Imager		

MMS	Magnetospheric Multiscale	STP	Solar Terrestrial Probes
MPO	Mercury Planetary Orbiter	TAA	Technical Assistance Agreements
MTRAP	Magnetic TRAnSition Region Probe	TRACE	Transition Region And Coronal Explorer
NOAA	National Oceanographic and Atmospheric Administration	ULP	Ultra Low Power
NASA	National Aeronautics and Space Administration	US	United States
NEP	Nuclear Electric Propulsion	UTEP	University of Texas at El Paso
NMP	New Millennium Program	UV	Ultraviolet
NO	Nitric Oxide		
NRA	NASA Research Announcement		
NSES	National Science Education Standards		
NSF	National Science Foundation		
O/N2	Oxygen/Nitrogen Dioxide Ratio		
OSS	Office of Space Science		
PASO	Particle Acceleration Solar Orbiter		
PRT	Pioneering Revolutionary Technology		
RAM	Reconnection and Microscale		
Re	Earth Radii		
RFA	Research Focus Area		
ROSS	Research Opportunities in Space Science		
SBIR	Small Business Innovative Research		
SCOPE	Solar Connections Observatory for Planetary Environments		
SDO	Solar Dynamics Observatory		
SEC	Sun-Earth Connection		
SECEF	Sun-Earth Connection Education Forum		
SEEC	Sun-Earth Energy Connector		
SHEC	Sun-Heliosphere-Earth-Constellation		
SI	Stellar Imager		
SIRA	Solar Imaging Radio Array		
SOHO	SOLar and Heliospheric Observatory		
SR&T	Supporting Research and Technology		
ST-5	Space Technology-5		
STEREO	Solar-TERrestrial Relations Observatory		