Helpful Acronyms and Terminology

Array
A homogenous binary structure of n-dimensions in which all elements have the same data type (images, spectral cube, etc.)

Bundle
The largest organization structure within an archive. Contains one or more related collections.

Collection
A list of related basic products of similar type (raw data, mission documents, single orbit observations, etc.)

Context Products
Physical or conceptual objects related to an archived study but are not part of the PDS archive (institutions, missions, spacecraft, instruments, etc.)

DMP
Data Management Plan; Contains a top-level description of the study data processing elements, their roles and responsibilities, and relationship to one another. Outlines the relationship between the study and the PDS.

DOI
Digital Object Identifier; an externally assigned identifier for a resource which is commonly used in publications to reference or cite the resource. Generated by a DOI Registration Agency.

EN
Engineering Node

Encoded Byte Stream
Data which is formatted according to some well-known standard. Needs special software to read. (PDF files, JPEG images) PDS does not use these formats for science observations.

GEO
Geosciences Node; archives data related to geology, geophysics, surface properties, and tectonics of the Moon and terrestrial planets, laboratory spectra

IMG
Cartography and Imaging Sciences Node; archives data related to planetary cartographic products and geospatial images, icy moons and satellites

IM
Information Model; describes "core rules" that outline the organization of each PDS4 Archive.

Java
A high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible. It is a general-purpose programming language intended to let application developers write once, run anywhere (WORA), meaning that compiled Java code can run on all platforms that support Java without the need for recompilation.

Label
File that contains all the identifying information for the related product that enable us to characterize and find a given product.

LDD
Local Data Dictionaries; data dictionaries maintained by the PDS for specialized disciplines such as geometry and cartography and for specific planetary missions.

LID	Logical Identifier; a unique identifier for each product within the PDS. (urn:nasa:pds:bundle:collection:product)
LIDVID	Logical Identifier and Version Identifier combined; (urn:nasa:pds:bundle:collection:product::1.2)
MD5	Message Digest 5; a checksum format
Metadata	Additional information for the related product that enable us to characterize and find a given product, such as keywords, mission information, related documents.
NAIF	Navigational and Ancillary Information Node; archives navigation and ancillary data in the form of SPICE system kernels
Parsable Byte Stream	ASCII data with a repeating record structure made up of variable width fields separated by a field delimiter. Does not need special software to read. (Text files, XML files, CSV tables)
PDS3	The previous PDS archive standard. PDS3 archives are in the process of being translated to the PDS4 archive standard.
PDS4	The current PDS archive standard. A model driven system that simplifies data formats and stores more extensive metadata in XML labels. This results in an archive with improved connections between data products, supports more complex, faster data searches, and delivers an improved user experience.
PPI	Planetary Plasma Interactions Node; archives data related to solar wind - planetary interactions, planetary magnetospheres, ionospheres, and plasma tori
Product	The smallest unit of data registered and tracked in the PDS. Examples of products are observations, documents, calibration information...
RMS	Ring Moon Systems Node; archives data related to planetary rings and moons as dynamical systems
SBN	Small Bodies Node; archives data related to comets, icy bodies, asteroids, dwarf planets, small planetary satellites, meteorites, dust
Schema	XML file that defines the metadata structure
Schematron	XML file that provide rule-based constraints on elements and content
SPICE	Spacecraft, Planet, Instrument, Camera Matrix, and Event; historic acronym for system of storing planetary navigation and other ancillary information
Table	ASCII or binary data with a repeating record structure made up of fixed-width fields.
Validate	The process of ensuring that the archive is complete, internally consistent, and consistent with other PDS archives and that the products in the archive are documented, correctly labeled, and error-free.

VID	Version Identifier; Version tracking within the PDS. It consists of two integers separated by a period and is appended onto the LID with two colons. (urn:nasa:pds:bundle:collection:product::1.2)
XML	eXtensible Markup Language; a software and hardware independent tool for storing and transporting data. PDS4 uses XML to store data about its products in label files.