

Data Formats

The data formats in use in Planetary Sciences, Space Sciences and Solar Physics are diverse and numerous, but a limited number of them are widely used. We present below the data formats used by the VESPA teams.

Format	VESPA Communities	Data Product Types	VO Support	Conversions
Std image formats (jpg, png... etc)	<ul style="list-style-type: none"> Surfaces Atmospheres 	<ul style="list-style-type: none"> Images 	<ul style="list-style-type: none"> Aladin (some of them) ImageJ with VESPA plugin (most of them) 	<ul style="list-style-type: none"> ImageJ
CDF	<ul style="list-style-type: none"> Space Physics Radio Astronomy 	<ul style="list-style-type: none"> Time Series Dynamic Spectra 	<ul style="list-style-type: none"> TOPCAT SAMP 	
netCDF	<ul style="list-style-type: none"> Atmospheres 	<ul style="list-style-type: none"> Profiles Times series Cubes 	?	<ul style="list-style-type: none"> gdal
FITS	<ul style="list-style-type: none"> Atmospheres Surfaces Solar 	<ul style="list-style-type: none"> Images Spectra Cubes 	<ul style="list-style-type: none"> Aladin SAMP QGIS through (VESPA) plugin ImageJ, especially with (VESPA) plugins 	<ul style="list-style-type: none"> gdal (from geofits: with Chiara's extension) ImageJ
HDF5	<ul style="list-style-type: none"> Atmospheres Radio Astronomy 	<ul style="list-style-type: none"> Cubes 	not yet	<ul style="list-style-type: none"> gdal
VOTable	<ul style="list-style-type: none"> All 	<ul style="list-style-type: none"> Time Series Profiles Spectra Catalogs 	<ul style="list-style-type: none"> TOPCAT (all tables/vectors) SAMP CASSIS (spectra) SPLAT-VO (spectra) 	<ul style="list-style-type: none"> TOPCAT (tables to various text formats)
GeoTIFF	<ul style="list-style-type: none"> Surfaces 	<ul style="list-style-type: none"> Images Cubes 	<ul style="list-style-type: none"> QGIS, with VESPA plugins 	<ul style="list-style-type: none"> gdal, in particular to geofits (with Chiara's extension)
PDS3	<ul style="list-style-type: none"> Space archives 	<ul style="list-style-type: none"> All 	<ul style="list-style-type: none"> VESPA APERICubes 	<ul style="list-style-type: none"> APERICubes (some cubes, to minimal /temporary fits)

In the EPNcore metadata services, the data format must be referred to according to its [MIME Type](#).