DATA SHEET

Supported data formats in Octave Imagine

Legend

● Imagine Essentials ☐ Imagine Advantage △ Imagine Additional Modules

Raster formats					
Data format	**Direct read**	**Direct write (CREATABLE)**	**Direct write (SAVEABLE)**	**Import**	**Export**
ADRG Image (.img)	●			●	☐
ADRG Legend (.igg)	●			●	
ADRG Overview (.ovr)	●			●	
ADRI				●	
Alaska SAR Facility (.L)	●			●	
ALOS AVNIR-2 JAXA CEOS	●			●	
ALOS PALSAR ERSDAC CEOS	●			●	
ALOS PALSAR JAXA CEOS	●			●	
ALOS PALSAR-2 JAXA CEOS	●			●	
ALOS PRISM JAXA CEOS	●			●	
ALOS PRISM JAXA CEOS IMG	●			●	
ArcInfo and Space Imaging BIL, BIP and BSQ	●				
ASCII raster (USGS)				●	●
ASRP				●	☐
ASRP or USRP (.img)	●			●	☐

Data format	Direct read	Direct write (CREATABLE)	Direct write (SAVEABLE)	Import	Export
ASTER EOS-HDF	●			●	
AVHRR (NOAA, NOAA KLM, Dundee and Sharp)				●	
AVIRIS	●			●	
Binary (Generic BIL, BIP, BSQ and Tiled)				●	●
Bitmap (.bmp)	●			●	
BlackSky (*.nitf)	●			●	
CADRG, CIB (RPF)	●			●	□
Capella (GEO, GRD and SLC)	●			●	
Cloud Optimized GeoTIFF (COG)	●			●	●
COSMO-SkyMed (first and second generation)	●			●	
Daedalus (AMS and ABS sensors)				●	
Defense Gridded Elevation Data (DGED)	●				
Deimos-1 & -2 (*.tif)	●				
DEM (SDTS) (.ddf)					●
DEM (USGS) (.dem)					●
Maxar DigitalGlobe TIL (.til) (e.g., WorldView, QuickBird, Legion, etc)	●				
Digital Orthophoto Quadrangle (USGS DOQ)					●
Digital Orthophoto Quadrangle Keyword Header (USGS DOQ)					●
Digital Orthophoto Quarter Quadrangle (USGS DOQQ)					
Digital Point Positioning Database (DPPDB)					
DS-EO	●				

Data format	Direct read	Direct write (CREATABLE)	Direct write (SAVEABLE)	Import	Export
DTED (.dt2, .dt1, .dt0)	●			●	●
ECRG, ECIB	●			●	□
ECRG, ECIB TOC (.xml)	●			●	□
ENVI/AISA (.hdr)	●			●	
ENVISAT ASAR	●			●	
Enhanced Compressed Wavelet (.ecw)	●	●	●	●	●
Enhanced Compressed Wavelet Protocol (.url)	●				
EOS-04 CEOS (lea*.001)	●			●	
ERDAS Annotation (.ant)				●	●
ERDAS Digitize (.dig)				●	
ERDAS ER Mapper Algorithm (.alg)	●				
ERDAS ER Mapper (.ers)	●		●	●	●
ERDAS ER Mapper Virtual Dataset (.ers)	●			●	
ERDAS GIS (.gis)	●			●	●
ERDAS IMAGINE (.img)	●	●	●		
ERDAS LAN (.lan)	●			●	●
EROS-A1 Level 1A (ImageSat)	●			●	
ERS-1 in ENVISAT format (ASAR) for E2 SLC product	●			●	
ERS-1, ERS-2 (CEOS)				●	
ERS-1, ERS 2 (Conae-PAF CEOS)				●	
ERS-1, ERS-2 (CRISP-PAF CEOS)				●	
ERS-1, ERS 2 (D-PAF CEOS)				●	
ERS-1, ERS-2 (H-PAF CEOS)				●	
ERS-1, ERS-2 (I-PAF CEOS)				●	

Data format	Direct read	Direct write (CREATABLE)	Direct write (SAVEABLE)	Import	Export
ERS-1, ERS-2 (TelAviv-PAF CEOS)				●	
ERS-1, ERS-2 (TROMSO-PAF CEOS)				●	
Esri ArcInfo BIL, BIP, BSQ and HDR	●			●	
Esri ASCII Raster	●			●	
FIT	●			●	
FORMOSAT-2 DIMAP (.dim)	●			●	
Gaofen 1 (.tif)	●			●	
Gaofen 6 (.til)	●			●	
Gaofen 7 (.tif)	●			●	
Generic Binary (Raw Raster BIL, BIP, BSQ)	●			●	●
GeoPackage (Raster)	●				
Geospatial PDF					●
GeoSPOT (4-band data)				●	
GeoTIFF	●	●	●	●	●
GIF (.gif)	●			●	
Göktürk-1	●			●	
GRASS				●	●
GRID Stack	●			●	
HDF-EOS				●	
HDF-EOS 5	●			●	
HDF Raster	●			●	
HDF4 Raster and Scientific	●			●	
HDF 5	●			●	
HRE (High Resolution Elevation)	●			●	

Data format	Direct read	Direct write (CREATABLE)	Direct write (SAVEABLE)	Import	Export
HYDICE (.cub)	●			●	
Hyperion	●			●	
ICEYE (GRD, SLC)	●			●	
IMECE-1	●			●	
Intergraph CCITT Group 4 (.cit)	●			●	
Intergraph COT	●			●	
Intergraph ISAT				●	●
IRS-1C/1D (Super Structure format)				●	
IRS-1C/1D/P6 (EOSAT Fast Format C and Euromap Fast Format C)				●	
IRS-P6 is also known as Resourcesat-1				●	
IRS-P4 OCM (Super Structure format) IRS-P4 is also known as Oceansat-1				●	
JFIF (JPEG) (.jpg)	●		●	●	●
Jilin-1 Gaofen-02B	●			●	
Jilin-1 Guanpu-01	●			●	
Jilin-1 Kuanfu-01	●			●	
JPEG 2000 including GeoJP2 and GMLJP2 (.jp2, .j2k, .j2c, .jpc, .jpx, .jpf)	●	●	●	●	●
KazEOSat-1 DIMAP	●			●	
KazEOSat-2 DIMAP	●			●	
KOMPSAT	●			●	
Landsat 7 CEOS (Eurimage)				●	
Landsat 7 Fast-L7A (ACRES, EROS, Eurimage)				●	
Landsat 7 HDF				●	
Landsat 4 & 5 TM, Landsat 7 ETM+ and Landsat 8 & 9 from USGS (.tar.gz)				●	

Data format	Direct read	Direct write (CREATABLE)	Direct write (SAVEABLE)	Import	Export
Landsat MSS				●	
Landsat TM Fast Format (ACRES, EOSAT, ESA, IRS, Radarsat)				●	
Landsat TM Standard Format (ACRES, EOSAT, ESA, IRS, Radarsat)				●	
Leica ADS40, ADS80, ADS100, RCD 30 (.ads, .sup)	●			●	
Leica ALS60, ALS70 (.las)	●			●	
Limited Error Raster Compression (LERC)	●				
Luciad Terrain Service (.lts)	●			●	
Maxar XML (.xml) (e.g., WorldView, Legion, etc)	●			●	
Meta Raster Format (MRF)	●				
MODIS (HDF-EOS)				●	
MODIS (IMAPP format)				●	
MrSID (Generation 2) (.sid)	●	●	●	●	●
MrSID (Generation 3 – Geo Express) (.sid)	●	●	●	●	●
MrSID (Generation 4) (.sid)	●			●	
NASDA CEOS				●	
NDF (NLAPS Data Format)				●	
NetCDF	●				
NLAPS DEM	●			●	
NLAPS Multispectral Imagery	●			●	
NITF 2.1, 2.0 and NSIF 1.0	●	●		●	△
NITF 1.1	●				
On Demand Data (ODX)	●				

Data format	Direct read	Direct write (CREATABLE)	Direct write (SAVEABLE)	Import	Export
OSDDEF	●			●	
PAZ (PAZ*.xml)	●			●	
PCI Geomatics PCIDISK (*.pix)	●			●	
PCX raster	●			●	●
PeruSAT-1 DIMAP	●			●	
Planet SuperDove (.tif)	●			●	
PlanetScope (.xml)	●			●	
Pleiades DIMAP, DIMAP v2 (.xml)	●			●	
Pleiades Neo, DIMAP v2 (.xml)	●			●	
PNG (.png)	●			●	
PRISMA	●			●	
RADARSAT CEOS format				●	
RADARSAT-2 (product.xml)	●			●	
RADARSAT Constellation Mission (RCM)	●			●	
RapidEye (.xml)	●			●	
Raw (.raw)	●				
RISAT CEOS	●			●	
RPF CADRG and CIB	●			●	□
RPF Frame and Product	●			●	
RPF Overview	●			●	□
RPF TOC (.toc)	●			●	
SDTS Raster				●	●
SICD (v1.0 to v1.3)	●			●	
SIDD	●			●	

Data format	Direct read	Direct write (CREATABLE)	Direct write (SAVEABLE)	Import	Export
SeaWiFS HDF				●	
SeaWiFS level 1B and 2A data (OrbView CEOS format)				●	
Sentinel-1 SAFE	●			●	
Sentinel-2 SAFE 1C and 2A	●			●	
Sentinel-3 SAFE	●			●	
SkySat (.ntf)	●			●	
SNIP NITF	●			●	
SOCET SET GRID (.dth)				●	●
SOCET SET Support (.sup)	●			●	
SPOT 5 GeoTIFF				●	
SPOT CAP/SPIM				●	
SPOT CCRS				●	
SPOT DIMAP	●			●	
SPOT 6, 7 DIMAP v2	●			●	
SPOT Fast Format				●	
SPOT GIS GeoSPOT, SPOTView and METROView				●	
SPOT NASDA CAP				●	
SPOT SICORP MetroView				●	
SPOT XS, XI, Pan and P/XI (SPOT, ACRES, CCRS)				●	
SRTM HGT	●				
StriX-1	●			●	
Sub-Image (.sbi)	●				
Sun Raster				●	●
SuperView 1 (also known as GaoJing-1)	●			●	

Data format	Direct read	Direct write (CREATABLE)	Direct write (SAVEABLE)	Import	Export
Surfer (Binary, ASCII, Surfer 7)				●	
Surfer Grid	●			●	●
Targa	●			●	
TanDEM-X (TDX1*.xml)	●			●	
TerraSAR-X (TSX1*.xml)	●			●	
THEOS DIMAP (*.dim)	●			●	
THEOS-2 DIMAP v2 (dim_*.xml)	●			●	
TIFF (including GeoTIFF and TIFF World), also known as TIFF32	●	●	●	●	●
TIFF64 (including BigTIFF, BigGeoTIFF)	●	●		●	●
Unrestricted Access Image (*.uai)	●				
URI Proxy File (*.uri)	●				
USGS DEM (*.dem)	●				
USGS DOQ (*.doq)	●				
USGS SDTS DEM (*CATD.DDF)	●				
USRP (.img)	●			●	□
View (.vue)	●				
VITEC (.vit)	●				
Virtual Mosaic (.vmc, .vmcx)	●			●	
Virtual Stack (.vsk)	●			●	
VNREDSat-1 DIMAP	●			●	
Web Coverage Service (.wcs)	●				
Web Mapping Service (.wms)	●				
Web Mapping Tile Service (.wmts)	●				
Wyvern Dragonette (.tiff)	●			●	
ZiYuan-3 (ZY-3)	●			●	

Vector/Point cloud/TIN/Other formats				
Data format	**Direct read**	**Direct write**	**Import**	**Export**
Applanix POSEO			●	
ASCII to Annotation (.ovr)			●	
Binary Point File (BPF)	●	●		
BPF to LAS	●		●	●
DXF to ERDAS IMAGINE Annotation			●	●
ERDAS 7.x Annotation (.ant)	●			
ERDAS IMAGINE Annotation layers (.ovr)	●	●	●	
ERDAS IMAGINE Area of Interest layers (.aoi)	●	●	●	
ERDAS IMAGINE Map Composition (.map)	●	●	●	
Esri 2D and 3D Shapefiles (.shp)	●	●	●	●
Esri File Geodatabase features (.gdb)	●	●	●	
GeoPackage (Vector)	●			
Geospatial PDF				●
Hexagon Smart Point Cloud (including Archive)	●	●		
Inpho Project (.prj)			●	●
Intergraph ISAT			●	●
Leica Terrain Format (.ltf, .ltfx)			□	
LiDAR LAS Point Cloud (LAS 1.0, 1.1, 1.2, 1.3, 1.4) (.las)	●	●	●	●
LiDAR LAZ Point Cloud (.laz)	●	●	●	●
MrSID Point Cloud (.sid)	●			
MultiGen OpenFlight FLT			●	
Oracle Features proxy (.ofp)	●			

Data format	Direct read	Direct write	Import	Export
Oracle Spatial Feature (.ogv)	●		●	△
PostGIS Features	●			
SOCET SET Project (.prj)			●	●
SQL Server Features	●			
Terramodel TIN Project files (.pro)	●		●	
UDS Point Cloud (.uds)	●			

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

©2026 Octave Intelligence plc and/or affiliates. All rights reserved.