

1. PDS Product ID	2. Date Taken	3. Location	4. Description	5. Named Feature	6. Feature Type	7. Mission/Source	8. Instrument	9. Related Publications
Set 2: Io, general diagrams, set 2								
io_02_011_dgm	ca., 1980-1990s	Io	Color diagram: geologic map of Io. Taken from Crown et al., 1992, USGS (Plate 7). Slide produced Feb., 1983.	Io	geologic map	Map	n/a	Geologic map of Io, David Crown et al., 1992, USGS Map I-2709, 1:15M.
io_02_014_dgm	ca., 1990s, early 2000s	Io, Mars, Earth	Color diagram: scaled comparison of Ra Patera, Io (drawing), to Olympus Mons, Mars (USGS shaded airbrush map), and the Hawaiian Islands, Earth (drawing).	Io, Ra, Mars, Olympus, Earth, Hawaiian Islands	volcanic structure	Map	n/a	USGS airbrush map of Mars (version not known)
Set 3: Io, general diagrams, set 3								
io_03_007_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Io - Geologically Active But Not Necessarily Diverse. Voyager false color image of Io, limb view with plume.	Io	limb view, volcanic plume	Voyager	Voyager SSI	n/a
io_03_015_dgm	ca., late 1980s, early 1990s	Io	Color diagram: Preliminary Geologic Map - Ruwa Patera quadrangle of Io (Ji2) (1985). Final map published by Schaber et al., 1989, USGS I-1980, 1:5M.	Io	geologic map	Map	n/a	Ruwa Patera quadrangle of Io (Ji2) (1985); Schaber et al., 1989, USGS I-1980, 1:5M.
io_03_017_dgm	ca., late 1990s, early 2000s	Io, Jupiter	Color diagram: artist concept of Galileo spacecraft during Io flyby; limb view of Io with several active plumes; global view of Jupiter in background. Artist unknown.	Io, Jupiter	global view, limb view, volcanic plume	Artist concept	n/a	n/a
Set 4: Io, general diagrams, set 4								
io_04_001_dgm	ca., 1970s	Io	Color diagram: Artist concept of pre-Voyager era global view of Io; annotated with then-known info: produced by JPL.	Io	global view, interior cutaway	Schematic, artist concept	n/a	n/a
io_04_005_dgm	ca., late 1990s, early 2000s	Io, Earth	Color diagram: Loki Region Compared With Hawaii. Galileo SSI Color image of Loki Patera; color inset of Hawaii big island for scale comparison.	Io, Loki Patera, Hawaii	patera, island	Galileo, unknown	Galileo SSI, unknown	n/a
Set 5: Io, general diagrams, set A								
io_a_001_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Summer 1997 Eruption, Pillan Patera, Io. Galileo SSI color and grayscale image montage of eruption styles at Pillan Patera, Io; includes preliminary geologic map and scale bars. Produced by David A. Williams. June 2, 2002.	Io, Pillan	patera, lava flow, lava channel, flow margin, caldera	Galileo	Galileo SSI, NIMS	n/a
io_a_002_dgm	ca., late 1990s, early 2000s	Io, Earth	Color diagram: Eruption Styles at Pele Patera, Io. Montage of Galileo SSI color images of eruptions on the surface of Io, including night time observations, plumes, and a NIMS observation; includes a global view of Io, and a color photograph of an active lava lake in Ethiopia on Earth. Produced by David A. Williams. June 2, 2002.	Io, Pele, Earth, Ethiopia	patera, volcanic flow, plume, lava lake	Galileo, unknown	Galileo SSI, hand-held camera	n/a
io_a_003_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Eruption Styles at Tvashtar Catena, Io. Montage of Galileo SSI color images showing eruptions of Tvashtar at two different times; includes global views of Io, including one showing plumes. Produced by David A. Williams. June 2, 2002.	Io, Tvashtar	catena, volcanic flow, lava lake, plume	Galileo	Galileo SSI	n/a
io_a_004_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo GEM/GMM Mission - SSI Images Of Io. Summary color map of SSI high-resolution image coverage of Io, orbits C21 to I32. This map is included in the Galileo Imaging at Luniter Observation Planning Index Notebook.	Io	global map	Galileo	Galileo SSI	n/a
io_a_009_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Active Sulfur Volcanism on Io? Galileo SSI color and grayscale, and color NIMS, image montage of Michabo Patera/Tsui Goab Fluctus, possibly active flow field; images taken during C21, I27, and I32 flybys; includes scale bar. Galileo SSI color image of Io, global view.	Io, Michabo, Tsui Goab	patera, fluctus, global view	Galileo	Galileo SSI, NIMS	n/a
io_a_012_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo PPR color observations of Loki Patera, 1999 (main image) and 2000 (inset) over Galileo SSI grayscale image; includes lat/lon ref and scale bar.	Io, Loki	patera	Galileo	Galileo PPR, Galileo SSI	n/a
io_a_014_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Highest Resolution Image Ever Obtained From Io. Galileo SSI color and grayscale image montage of Pillan lava flow fields; includes scale bar (9m/pixel). Produced by David A. Williams. AS11.	Io, Pillan	lava flow field, patera	Galileo	Galileo SSI	n/a
io_a_016_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Map of Prometheus Volcano and Surroundings, Io. Color geologic sketch map of Prometheus volcano, including caldera, active lava flows, and plume jets. Map is superposed over low-res Galileo SSI color image of the region.	Io, Prometheus	volcano, caldera, lava flow, plume	Galileo	Galileo SSI	n/a
io_a_018_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo SSI color image pair of Prometheus and Amirani flow fields, Io, with comparison of terrestrial lava flows (outline), to scale; includes scale bar. Produced by Lazlo Keszthelyi. USGS.	Io, Prometheus, Amirani	lava flow field, patera	Galileo	Galileo SSI	n/a
io_a_020_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo SSI color image montage of Prometheus Patera, with inset of partial coverage by NIMS. Lower resolution regional images are from three different time periods in 1999. Posted by Photojournal 19 Nov., 1999. https://photojournal.jpl.nasa.gov/catalog/PIA02512	Io, Prometheus	patera	Galileo	Galileo SSI, NIMS	NASA Photojournal PIA02512
io_a_022_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo NIMS color observations of Io, Prometheus region.	Io, Prometheus	caldera, volcanic flow	Galileo	Galileo NIMS	n/a
Set 6: Io, general diagrams, set B								
io_b_001_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo PPR color temperature contour map of Io, trailing hemisphere, night time; contours superposed over grayscale base image, cylindrical projection, with lat/lon ref. Posted by Photojournal 18 May, 2000. https://photojournal.jpl.nasa.gov/catalog/PIA02548	Io	temperature map	Galileo	Galileo PPR	NASA Photojournal PIA02548
io_b_002_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo NIMS color observations of Loki Patera over lower res Galileo SSI color image of region. Temperature scales are in degrees Kelvin. Posted by Photojournal 18 May, 2000. https://photojournal.jpl.nasa.gov/catalog/PIA02541	Io, Loki	patera	Galileo	Galileo NIMS	NASA Photojournal PIA02541
io_b_005_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo NIMS color observation, superposed over Galileo SSI color image, of Prometheus flow field, Io. Posted by Photojournal 18 May, 2000. https://photojournal.jpl.nasa.gov/catalog/PIA02542	Io, Prometheus	volcano, flow field	Galileo	Galileo NIMS	NASA Photojournal PIA02542
io_b_006_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo SSI and NIMS color montage showing silicate and SO2 surface composition in the Prometheus region, Io. Posted by Photojournal 18 May, 2000. https://photojournal.jpl.nasa.gov/catalog/PIA02543	Io, Prometheus	surface composition	Galileo	Galileo SSI, NIMS	NASA Photojournal PIA02543
io_b_018_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo SSI color mosaic of Chaac-Camaxtli region, Io, with corresponding geologic map. Williams et al., 2002 (JGR-Planets, Vol. 107 E9).	Io, Chaac-Camaxtli	patera, geologic map	Galileo	Galileo SSI	Williams et al., 2002, JGR-Planets, Vol. 107 E9.
io_b_019_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo SSI grayscale image of Io, Pillan Mons and Patera region, with corresponding preliminary geologic map. Observation E14EISCONTEX01. Produced by Lazlo Keszthelyi. See also io_a_001_dgm for larger montage.	Io, Pillan	mons, patera	Galileo	Galileo SSI	n/a
io_b_021_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo Io Flyby I31 (06 Aug, 2001). Galileo SSI color and grayscale images of Io, global views, taken during "Detection of new 500 km high plume"; includes annotation to show location and dates of observations.	Io	global view, volcanic plume	Galileo	Galileo SSI	n/a
io_b_038_dgm	ca., late 1990s, early 2000s	Io, Jupiter	Color diagram: Io Heat Flow. Color schematic showing tidal stresses on Io during its orbit about Jupiter. List of differences in heat flow comparing Io with Earth and Moon.	Io, Jupiter, Earth, Moon	global view, heat flow	Schematic	n/a	n/a
io_b_047_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo NIMS color observation of Tvashtar Catena, Io, with SSI color image for context; temperature scale in degrees Kelvin. Posted by Photojournal 27 Nov., 2001. https://photojournal.jpl.nasa.gov/catalog/PIA02594	Io, Tvashtar	catena, hot spot	Galileo	Galileo SSI, NIMS	NASA Photojournal PIA02594
io_b_051_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Volcano Plumes On Io. Artist concept showing relative size of volcanic plumes on Io, comparing Pele and Prometheus-type plumes and altitude of International Space Station.	Io, Pele, Prometheus	volcanic plume	Schematic	n/a	n/a
io_b_059_dgm	ca., early 2000s	Io	Color diagram: Galileo NIMS color observation of Tupan Patera, Io, with Galileo SSI color image for context (units for color scale bar not given). Posted by Photojournal 10 Dec., 2001. https://photojournal.jpl.nasa.gov/catalog/PIA02611	Io, Tupan	patera	Galileo	Galileo NIMS, Galileo SSI	NASA Photojournal PIA03601
io_b_060_dgm	ca., late 1990s, early 2000s	Io, Jupiter	Color diagram: Io Heat Flow. Color schematic showing tidal stresses on Io during its orbit about Jupiter. List of differences in heat flow comparing Io with Earth and Moon. Duplicate of io_b_038_dgm .	Io, Jupiter, Earth, Moon	global view, heat flow	Schematic	n/a	n/a
io_b_070_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo SSI color image pair of Prometheus and Amirani flow fields, Io, with comparison of terrestrial lava flows (outline), to scale; includes scale bar. Produced by Lazlo Keszthelyi. USGS. Duplicate of io_a_018_dgm .	Io, Prometheus, Amirani	lava flow field, patera	Galileo	Galileo SSI	n/a
io_b_073_dgm	ca., late 1990s, early 2000s	Io	Color diagram: Galileo SSI color montage of Io, global views, with close up views of plumes from Zamama and Prometheus. Posted by Photojournal 07 Dec., 1998. https://photojournal.jpl.nasa.gov/catalog/PIA01652	Io, Zamama, Prometheus	volcanic plume, global view	Galileo	Galileo SSI	NASA Photojournal PIA01652
io_b_074_dgm	ca., late 1990s, early 2000s	Io, Jupiter	Color diagram: Artist concept illustrating the role of sulfur in Io's volcanoes, showing subsurface heat flow, diagram of plume of Pele above the surface, and global view of Jupiter on the horizon. Posted by Photojournal 18 May, 2000. https://photojournal.jpl.nasa.gov/catalog/PIA02547	Io, Pele, Jupiter	volcano, volcanic sulfur	Artist concept	n/a	NASA Photojournal PIA02547
io_b_087_dgm	ca., late 1990s, early 2000s	Io, Earth	Color diagram: Galileo SSI image of Chaac Patera, Io, low-res color and high-res grayscale images, with schematic comparing cross-sections of caldera walls to the stratigraphic column of the Grand Canyon walls on Earth. Grand Canyon map is shown to scale with color image of Chaac.	Io, Chaac, Grand Canyon	caldera, stratigraphic column	Galileo	Galileo SSI	Taken from publication by Radebaugh et al., 2001, JGR-Planets, Vol. 106, 33,005-33,038.
io_b_090_dgm	ca., late 1990s, early 2000s	Io	Color diagram: column plot of Io calderas: frequency vs. degrees longitude. Taken from publication by Radebaugh et al., 2001.	Io	caldera	Schematic	n/a	Taken from publication by Radebaugh et al., 2001, JGR-Planets, Vol. 106, 33,005-33,038.
io_b_095_dgm	ca., late 1990s, early 2000s	Io, Jupiter	Color diagram: Hubble Space Telescope color view of sulfur gas in Pele plume, Io; Jupiter in background. Posted by Photojournal 18 May, 2000. https://photojournal.jpl.nasa.gov/catalog/PIA02546	Io, Pele, Jupiter	global view, sulfur gas	Hubble Space Telescope	Wide-Field Planetary Camera (WFPC2)	NASA Photojournal PIA02546
Set 8: Io, Galileo diagrams featured in press releases, set B								
io_gil_p_b_011_dgm	ca., late 1990s, early 2000s	Io	Color diagram: column plots of heat flow for three different regions on Io. Grayscale cylindrical projection image of Io for reference.	Io	global map	Voyager, schematic	Voyager SSI	JPL Press Release # P-47230
Set 9: Io, diagrams of lava flow features								
io_lava_flows_001_dgm	ca., 1970s, early 1980s	Io	Color text diagram: presentation summary slide, listing conclusions regarding sulfur lava flows on Io. Voyaer era.	Io	sulfur flow	n/a	n/a	n/a
io_lava_flows_004_dgm	ca., 1970s, early 1980s	Earth	Color diagram: Natural Sulfur Flows. Color map of Earth, Robinson projection, showing volcanic sulfur flow locations as indicated by red dots; map by National Geographic.	Earth	global map	Terrestrial Map	n/a	National Geographic (unknown citation)
io_lava_flows_008_dgm	ca., 1970s, early 1980s	Earth	Color diagram: Natural Sulfur Flows. Color map of Earth, Robinson projection, showing volcanic sulfur flow locations as indicated by red dots; map by National Geographic. Duplicate of io_lava_flows_004_dgm .	Earth	global map	Terrestrial Map	n/a	National Geographic (unknown citation)
io_lava_flows_009_dgm	ca., 1980s - 1990s	Io	Color diagram: hand-drawn color cross-sections of secondary sulfur lava flows: fumaroles, sulfur deposits, and mobilization by magma.	Io	fumarole, sulfur deposit, magma patera	Schematic, artist concept	n/a	n/a
io_lava_flows_011_dgm	ca., 1980s - 1990s	Io	Color diagram: Ionian Sulfur Paterae. Hand-drawn cross-sections showing the formation of paterae on Io in four stages.	Io	patera	Schematic, artist concept	n/a	n/a
io_lava_flows_013_dgm	ca., 1970s, early 1980s	Io	Color text diagram: presentation summary slide, listing conclusions regarding sulfur lava flows on Io. Voyaer era. Duplicate of io_lava_flows_001_dgm .	Io	sulfur flow	n/a	n/a	n/a
Set 10: Io, diagrams of volcanic flow features								
io_volcanic_flows_011_dgm	ca., 1990s, early 2000s	Io, Mars, Earth	Color diagram: scaled comparison of Ra Patera, Io (drawing), to Olympus Mons, Mars (USGS shaded airbrush map), and the Hawaiian Islands, Earth (drawing). Duplicate of io_02_014_dgm .	Io, Ra, Mars, Olympus, Earth, Hawaiian Islands	volcanic structure	Map	n/a	USGS airbrush map of Mars (version not known)
Set 11: Io, diagrams of active volcanism features, set A								
io_volcanism_active_a_001_dgm	ca., 1980s - 1990s	Io	Color diagram: geologic map of Io: outlined and colored volcanic units over Voyager base image.	Io	geologic map	Voyager	Voyager SSI	n/a
io_volcanism_active_a_007_dgm	ca., 1980s - 1990s	Io	Color diagram: artist concept of Io volcanoes, showing cross-section, surface, and plumes, illustrating possible subsurface "plumbine system": Voyaer era.	Io	subsurface geology, volcano	Schematic, artist concept	n/a	n/a
io_volcanism_active_a_010_dgm	ca., 1980s - 1990s	Io	B/W diagram: line drawing map of volcano, unknown provenance; includes scale bar and north arrow.	unknown	volcano, surface map	Map	n/a	n/a
Set 12: Io, diagrams of active volcanism features, set B								
io_volcanism_active_b_002_dgm	ca., 1970s, early 1980s	Io	Color diagram: plot of temperature vs entropy for solid, liquid, and gas phases. Possible modeling for volcanic plumes. Voyaer era. No source given.	Io	entropy model	Schematic	n/a	unknown
io_volcanism_active_b_010_dgm	ca., 1990s	Io	Color diagram: geologic map of Io. Taken from Crown et al., 1992, USGS (Plate 7). Slide produced Feb., 1983. Cropped version of io_02_011_dgm .	Io	geologic map	Map	n/a	Geologic map of Io, David Crown et al., 1992, USGS Map I-2709, 1:15M.