

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 1: Europa, general diagrams, set A								
europa_a_006_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Potential For Exobiology? List of considerations. Schematic cutaway showing interior of Europa with Galileo SSI color image of partial global view.	Europa	global view	Galileo, schematic	Galileo SSI	n/a
europa_a_007_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa. Artist concept of two Interior models of crustal thickness. List of state of knowledge. https://photojournal.jpl.nasa.gov/catalog/PIA01669	Europa	interior model	Artist concept, schematic	n/a	See NASA Photojournal PIA01669
europa_a_008_dgm	ca. late 1990s, early 2000s	Europa, Moon	Color diagram: Europa Comparison to Earth's Moon. Left: Voyager SSI grayscale global view of Europa with superposed Galileo SSI grayscale regional image. Right: airbrush shaded relief of the Moon's near side. global view. Includes scale bars.	Europa, Moon	global view	Galileo, Voyager	Galileo SSI, Voyager SSI	
europa_a_009_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: "GEM" Of The Solar System. List of basic surficial and interior information. Galileo SSI color global view of Europa.	Europa	global view	Galileo	Galileo SSI	n/a
europa_a_010_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Top Three SSI Highlights For Europa: chaos terrain, bright plains, ridge patterns. Galileo SSI color and grayscale image montage of Europa surface.	Europa	chaos terrain, bright plains, ridged surface	Galileo	Galileo SSI	n/a
europa_a_011_dgm	ca. late 1990s, early 2000s	Europa, Jupiter	Color diagram: Galileo Magnetometer. List of features showing implications of Jupiter and Europa interiors. Includes B/W graph of measured vs modeled magnetosphere. Galileo SSI color montage of Jupiter (in color and false color sections) and Europa (with digital schematic of interior): global views.	Europa, Jupiter	global view, magnetosphere	Galileo, schematic	Galileo SSI	n/a
europa_a_012_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Why Europa? List of observations that provide seasons for scientific interest into researching Europa. Schematic cutaway showing interior of Europa, with Galileo SSI color image of partial global view. See also europa a 006 dgm .	Europa	global view	Galileo, schematic	Galileo SSI	n/a
europa_a_013_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Potential For Exobiology? List of considerations. Schematic cutaway showing interior of Europa, with Galileo SSI color image of partial global view. Duplicate of europa a 006 dgm .	Europa	global view	Galileo, schematic	Galileo SSI	n/a
europa_a_014_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Digital schematic cutaway showing interior of Europa, with Galileo SSI color image of partial global view. Artist concept of thin shell model of Europa interior. See also europa_a_007_dgm . https://photojournal.jpl.nasa.gov/catalog/PIA01669	Europa	global view, interior model	Galileo, schematic	Galileo SSI	See NASA Photojournal PIA01669
europa_a_015_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Future Exploration of Europa. Montage of Galileo SSI color images and artist concepts of Europa surface, thin vs thick shell models of Europa, Europa interior, and potential for astrobiology in the liquid ocean layer. See also europa_a_007_dgm . https://photojournal.jpl.nasa.gov/catalog/PIA01669	Europa	global view, interior model	Galileo, schematic, artist concept	Galileo SSI	See NASA Photojournal PIA01669
europa_a_016_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Future Exploration. Proposed future exploration of Europa from late 1990s. Galileo SSI color image, limb view, with superposed diagram of conceptual Europa Orbiter spacecraft. List of potential launch and arrival dates of a Europa Orbiter mission.	Europa	limb view	Galileo	Galileo SSI	n/a
europa_a_017_dgm	ca. late 1990s, early 2000s	Europa, Jupiter	Color diagram: Europa Interior. List of Galileo magnetometer observations of Jupiter and Galilean satellites. Artist concept of limb view of Europa with diagram of Galileo spacecraft and global view of Jupiter.	Europa, Jupiter	limb view	Artist concept	n/a	n/a
europa_a_018_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Two sets of schematics showing cutaways of Europa interior, with associated thin vs thick shell models of Europa crust. Galileo SSI color images used for global surface views of Europa. See also europa_a_007_dgm . https://photojournal.jpl.nasa.gov/catalog/PIA01669	Europa	global view, interior model	Galileo, schematic	Galileo SSI	NASA Photojournal PIA01669
europa_a_019_dgm	ca. 2003	Europa, Earth	Color diagram: NASA Astrobiology: "Follow the Water!" Hand-drawn illustrations of Europa "Thin-Shell Endmember" vs. "Thick-Shell Endmember", with images from Pt. Barrow, Alaska, conference. ca. 2003.	Europa, Pt. Barrow	interior model, ice surface	Artist concept, unknown	hand-held camera	n/a
Set 2: Europa, general diagrams, set B								
europa_b_009_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa Interior. Simplified theories on interior development. Artist concept of Europa ice crust and liquid ocean model. https://photojournal.jpl.nasa.gov/catalog/PIA01669	Europa	interior model	Artist concept	n/a	See NASA Photojournal PIA01669
europa_b_010_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Cycloidal Ridges. Galileo SSI grayscale montage to two different examples of cycloidal ridges. (Diagram color is somewhat washed out.)	Europa	cycloidal ridge	Galileo	Galileo SSI	n/a
Set 4: Europa, general diagrams, set C								
europa_c_001_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Galileo Results. List of geologic characterizations of Europa. Galileo SSI color global view of Europa.	Europa	global view	Galileo	Galileo SSI	n/a
europa_c_002_dgm	ca. 1970s	Europa	Color diagram: Artist concept of pre-Voyager era Europa, with cutaway showing interior, including annotation of known and possible characteristics. Produced by JPL.	Europa	global view	Artist concept	n/a	n/a
europa_c_004_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Potential For Exobiology? List of considerations. Schematic cutaway showing interior of Europa, with Galileo SSI color image of partial global view. Duplicate of europa a 006 dgm .	Europa	global view	Galileo, schematic	Galileo SSI	n/a
europa_c_005_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Structure on Europa. Europa surface features compared to California map for scale. Galileo SSI color image of Europa, limb view, showing linear features.	Europa	linear feature	Galileo	Galileo SSI	n/a
europa_c_006_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Conamara Chaos Region: Europa. Galileo SSI image montage with high-resolution color image inset over low-res grayscale regional view. ASU Campus-size feature for scale.	Europa, Conamara	chaos terrain	Galileo	Galileo SSI	n/a
europa_c_007_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa Interior Model. Two global views of Europa. Left: Galileo SSI grayscale image superposed over Voyager SSI grayscale image. Right: Voyager SSI color image, with artist concept of cutaway showing interior.	Europa	global view	Galileo, Voyager	Galileo SSI, Voyager SSI	n/a
europa_c_008_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Future Exploration of Europa. Montage of Galileo SSI color images and artist concepts of Europa surface, thin vs thick shell models of Europa, Europa interior, and potential for astrobiology in the liquid ocean layer. Duplicate of europa_a_015_dgm .	Europa	global view, interior model	Galileo	Galileo SSI	n/a
europa_c_010_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa Surface. Galileo SSI grayscale high-resolution image of linear features on surface. List of known geologic features.	Europa	ridge, band, spot, dome, chaos terrain, impact structure	Galileo	Galileo SSI	n/a
europa_c_011_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Conamara Chaos Region: Europa. Galileo SSI image montage with high-resolution color image inset over low-res grayscale regional view. ASU Campus-size feature for scale. Duplicate of europa c 006 dgm . darker contrast.	Europa, Conamara	chaos terrain	Galileo	Galileo SSI	n/a
europa_c_012_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Observations and Questions. Definition of lineae on Europa with list of linear feature types. Galileo SSI grayscale image, hemisphere.	Europa	global view	Galileo	Galileo SSI	n/a
europa_c_013_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Galileo Results. List of geologic characterizations of Europa. Galileo SSI color global view of Europa. Duplicate of europa_c_001_dgm , darker contrast.	Europa	global view	Galileo	Galileo SSI	n/a
europa_c_014_dgm	ca. late 1990s, early 2000s	Europa, Io, Jupiter	Color diagram: Conceptual diagram of a Galileo flyby of Europa with Jupiter in background. Galileo SSI color image, limb view of Europa. Voyager SSI color images of Jupiter and Io, global views.	Jupiter, Europa, Io	global view, limb view	Galileo, Voyager	Galileo SSI, Voyager SSI	n/a
europa_c_015_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Galileo Results. List of geologic characterizations of Europa. Galileo SSI color global view of Europa. Duplicate of europa c 001 dgm .	Europa	global view	Galileo	Galileo SSI	n/a
europa_c_016_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Artist concept of two interior models of crustal thickness. List of state of knowledge. Duplicate of europa_a_007_dgm . https://photojournal.jpl.nasa.gov/catalog/PIA01669	Europa	interior model	Schematic	n/a	See NASA Photojournal PIA01669
europa_c_017_dgm	ca. late 1990s, early 2000s	Europa, Jupiter	Color diagram: Artist concept of Europa surface, featuring double ridges and plume. Jupiter in background. Unknown source.	Jupiter, Europa	linear ridge, vent plume, global view	Artist concept	n/a	n/a
europa_c_018_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa Lineae: Galileo Potential. Descriptions of early theories of lineae formation, including diagram showing compression and extension. See also europa_c_012_dgm .	Europa	linea	Schematic	n/a	See also Pappalardo and Greeley, 1995, JGR-Planets, vol. 100, E9, 18,985-19,007.
europa_c_019_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa surface. List of what we know: early concepts of Europa surface. Galileo SSI color image of fractured and lineated surface.	Europa	fracture, linea	Galileo	Galileo SSI	n/a
europa_c_020_dgm	ca. late 1990s, early 2000s	Europa	Grayscale diagram: GEM: Europa Phase. Galileo SSI grayscale image montage of Europa surface features and global view. Prelude to GEM feature targeting.	Europa	global view, linea, chaos terrain, impact crater	Galileo	Galileo SSI	n/a
Set 5: Europa, diagrams including color Galileo images								
europa_color_001_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Galileo False Color. Galileo SSI false color image of lineated surface. Plains units, triple band, and discontinuous low albedo features labeled; includes scale bar.	Europa	plains, triple band, low albedo feature	Galileo	Galileo SSI	n/a
europa_color_002_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Spectral Characteristics. B/W plot of Normalized Reflectance vs Wavelength.	Europa	spectral characteristics of surface	Schematic	n/a	Golombek M. and Buratti, B., 1985, LPSC XVI (abstract), p. 276-277.
europa_color_004_dgm	unknown	Europa	B/W plot of albedo vs wavelength of Europa bright and dark plains. Unknown source.	Europa	bright plains, dark plains	Schematic	n/a	n/a
europa_color_008_dgm	1996, Oct.	Europa	B/W plot of albedo vs proximity to central ridge of triple band in violet, green, and red filters. Produced by Beth Clark (unknown institution), Oct. 16, 1996.	Europa	triple band	Schematic	n/a	n/a
europa_color_009_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Multispectral Data For Europa. Summary of multispectral observations, orbits G1 and G2.	Europa	bright plains, mottled terrain, linea	n/a	n/a	n/a
europa_color_010_dgm	ca. late 1990s, early 2000s	Europa	Two Galileo SSI images of Europa's trailing hemisphere, global views, true (left) and false (right) color composites from G2 data. Produced by DLR. Similar image pair in europa color 011 dgm .	Europa	global view	Galileo	Galileo SSI	n/a
europa_color_014_dgm	ca. late 1990s, early 2000s	Europa	B/W plot of albedo vs wavelength of Europa bright and dark plains, mottled terrain, dark spots, and dark lineaments. Unknown source. See also europa_color_004_dgm .	Europa	bright plains, dark plains, mottled terrain, dark spot, dark lineament	Schematic	n/a	n/a
europa_color_015_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Galileo False Color. Galileo SSI false color image of lineated surface, showing cross-cutting relationships of linear features; includes scale bar. See also europa color 001 dgm .	Europa	linea	Galileo	Galileo SSI	n/a
europa_color_016_dgm	ca. early 2000s	Europa	Color diagram: Galileo Near Infrared Mapping Spectrometer. Color plot of reflectance vs. wavelength of frozen brine materials and sulfuric acid hydrate as compared to NIMS spectral signal of the materials.	Europa	spectral characteristics of surface	Schematic	Galileo NIMS	From McCord et al., 2001. AGU Fall Meeting abstract P12B-0504.
europa_color_020_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa Surface. Galileo NIMS color image superposed over grayscale SSI image of lineated surface. List of interpretations of non-water ice materials using NIMS data.	Europa	ridged plains, linea	Galileo	Galileo SSI and NIMS	n/a
Set 6: Europa, diagrams of crater features, set A								

europa_diagram_database

europa_craters_a_004_dgm	ca. late 1990s, early 2000s	Europa	Galileo SSI grayscale montage with blow out of Pwyll crater and global view of Europa for context. 3D rendering of topography of Pwyll with elevation color ramp. DEM produced by DLR.	Europa, Pwyll	global view, crater, 3D topographic model	Galileo	Galileo SSI	n/a	
europa_craters_a_006_dgm	ca. late 1990s, early 2000s	Europa, Earth	Color diagram: Galileo SSI color image of Tyre crater and grayscale image of Callanish crater. Grayscale photographs, before and after views, of impact simulation in laboratory.	Europa, Tyre, Callanish, Earth	crater, laboratory simulation	Galileo, unknown	Galileo SSI, high-speed camera	n/a	
europa_craters_a_007_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Galileo SSI grayscale image of Europa, including Manann'an crater and linear features. List of statistical information of Manann'an crater.	Europa, Manann'an	crater, linea	Galileo	Galileo SSI	n/a	
europa_craters_a_010_dgm	ca. late 1990s, early 2000s	Europa	Galileo SSI grayscale montage with blow out of Pwyll crater and global view of Europa for context. 3D rendering of topography of Pwyll with elevation color ramp. Includes title and inset map of Staten Island for comparison. DEM produced by DLR. Expanded version of europa_craters a 004 dem .	Europa, Pwyll	global view, crater, 3D topographic model	Galileo	Galileo SSI	n/a	
europa_craters_a_011_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Impact Craters. List of known characteristics regarding Europa impact craters determined during Galileo nominal mission.	Europa	crater	n/a	n/a	n/a	
europa_craters_a_013_dgm	ca. late 1990s, early 2000s	Europa	Galileo SSI grayscale image mosaics of Europa, from G1 and G2 flybys, superposed over Voyager SSI global view; orthographic view over 40°S, 205°W. Dashed blue line indicates putative impact basin.	Europa	global view, impact basin	Galileo, Voyager	Galileo SSI, Voyager SSI	n/a	
europa_craters_a_014_dgm	ca. late 1990s, early 2000s	Europa	Galileo SSI color and grayscale image montage of impact craters on Europa, including Cilix, Pwyll, Manann'an, Callanish, and Tyre.	Europa, Cilix, Pwyll, Manann'an, Callanish, Tyre	crater	Galileo	Galileo SSI	n/a	
europa_craters_a_015_dgm	ca. late 1990s, early 2000s	Europa	Grayscale diagram: Cilix - Effect of image resolution on feature interpretation. Montage of Galileo SSI grayscale images of varying resolutions of Cilix crater, Europa; includes scale bar and image-related annotation.	Europa, Cilix	crater	Galileo	Galileo SSI	n/a	
europa_craters_a_016_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Cilix Crater. Galileo SSI color image of Cilix crater. List of orbit cycles for image acquisition of Cilix, crater features, Europa crater morphologies, and questions about crater properties.	Europa, Cilix	crater	Galileo	Galileo SSI	n/a	
Set 7: Europa, diagrams of crater features, set B									
europa_craters_b_001_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Impacts Into Volatile-Rich Targets. Artist concept schematic of impact into block diagram with cross section; includes annotation indicating loss of volatiles and concentration of non-ice materials associated with impact.	n/a	crater	Schematic	n/a	n/a	
europa_craters_b_006_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa Impact Crater. Galileo SSI color image of Europa, limb view. List of facts about Pwyll crater.	Europa, Pwyll	limb view, crater	Galileo	Galileo SSI	n/a	
europa_craters_b_008_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Observations and Questions. Galileo SSI color image of Europa, limb view. List of properties about Europa surface, with hypotheses on degradation of impact craters.	Europa	limb view, crater, brown spot	Galileo	Galileo SSI	n/a	
europa_craters_b_012_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Subsurface Dark Material On Europa. Galileo SSI color and grayscale montage of Europa craters and chaos materials in association with Europa dark material.	Europa	crater, chaos terrain, dark material	Galileo	Galileo SSI	n/a	
Set 8: Europa, diagrams, set A									
europa_diagrams_a_001_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Styles of Triple Bands. Simplified diagrams of morphologies of triple bands on Europa with brief descriptions for each.	Europa	triple band	Schematic	n/a	n/a	
europa_diagrams_a_002_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Models of Triple Band Formation. Four schematic diagrams showing the potential formation processes of triple bands; includes annotation.	Europa	triple band	Schematic	n/a	n/a	
europa_diagrams_a_003_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Lineae Patterns by Type. Four hemisphere maps of Europa showing the locations of dark wedged-shape bands, triple bands, gray bands, and ridges. Graphic included in europa_diagrams_b_006 .	Europa	wedged-shape band, triple band, gray band, ridge	Schematic	n/a	Lucchitta and Soderblom, 1982. The geology of Europa, in Satellites of Jupiter, Un. of AZ Press, Tucson, p. 521-555, 940, 941.	
europa_diagrams_a_004_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa Eruption Model. Schematic diagram of water eruption through the ice crust of Europa; includes annotation.	Europa	ice crust	Schematic	n/a	From Crawford and Stevenson, 1988. Icarus, vol. 73. #1. p. 66-79. n/a	
europa_diagrams_a_005_dgm	ca. late 1990s, early 2000s	Europa, Moon	Color diagram: Europa Comparison to Earth's Moon. Left: Voyager SSI grayscale global view of Europa with superposed Galileo SSI grayscale regional image. Right: airbrush shaded relief of the Moon's near side, global view. Includes scale bars. Duplicate of europa_a_008_dgm .	Europa, Moon	global view	Galileo, Voyager	Galileo SSI, Voyager SSI	n/a	
europa_diagrams_a_006_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Styles of Surface Activity. List of hypotheses of types of surface activity. Galileo SSI color image, global view, with artist schematic cutaway showing interior. Same graphic used in europa a 006 dem .	Europa	global view, interior model	Galileo, schematic	Galileo SSI	n/a	
europa_diagrams_a_007_dgm	ca. late 1980s, early 2000s	Europa	Color diagram: Eight rose diagrams of ridge orientation. Unknown source. See also europa diagrams b 003 dgm .	Europa	ridge set orientation	Schematic	n/a	n/a	
europa_diagrams_a_008_dgm	ca. late 1980s, early 2000s	Europa	Color diagram: Three models depicting potential formation processes of topography in an ice surface, including buoyant blocks, flexural forebulge, and flexural topography. Includes equations and/or text for each model. Unknown source.	Europa	ice model, dome	Schematic	n/a	n/a	
europa_diagrams_a_009_dgm	ca. late 1980s, early 2000s	Europa	Color diagram: Five-step model for the formation of chaos terrain (in an ice surface on Europa). Unknown source.	Europa	chaos terrain	Schematic	n/a	n/a	
europa_diagrams_a_010_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: First Galileo View of Europa. Voyager SSI grayscale global view of Europa with superposed Galileo SSI grayscale regional image (acquired during G1 orbit). United States map for scale.	Europa	global view	Galileo, Voyager	Galileo SSI, Voyager SSI	n/a	
europa_diagrams_a_011_dgm	ca. late 1990	Earth	B/W diagram: Sea Ice Analog For Europa Landforms. 4 step model showing progression of ridge and band formation.	Earth	sea ice model	Schematic	n/a	Pappalardo and Coon, 1996. LPSC XXVII (abstract), p. 997-998. n/a	
europa_diagrams_a_012_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Map of Ridge Sets in Observation E6ESDRKLN01 mosaic. Galileo SSI grayscale mosaic of cratered terrain and lineated surface; includes legend and north arrow. Unknown source.	Europa	ridge set, chaos terrain, linea	Galileo	Galileo SSI	n/a	
europa_diagrams_a_013_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Four step model of ridge formation; includes annotation. Unknown source.	Europa	ridge	Schematic	n/a	n/a	
europa_diagrams_a_014_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Lineae Age Relations. List of lineae features (on Europa), ordered from youngest to oldest, including diagram of triple band relations.	Europa	triple band	Schematic	n/a	n/a	
europa_diagrams_a_015_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Digital schematic cutaway showing interior of Europa, with Galileo SSI color image of partial global view. Artist concept of thin shell model of Europa interior. Duplicate of europa_a_014_dgm . https://photojournal.jpl.nasa.gov/catalog/PIA01669	Europa	global view, interior model	Galileo, artist concept	Galileo SSI	See NASA Photojournal PIA01669	
europa_diagrams_a_016_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Structure on Europa. Europa surface features compared to California map for scale. Galileo SSI color image of Europa, limb view, showing linear features. Duplicate of europa c 005 dem .	Europa	limb view, linea	Galileo	Galileo SSI	n/a	
europa_diagrams_a_017_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Preliminary Assessment of Relative Ages of different surface features. Diagram showing the relative formation ages of ridged plains, bands, chaos, mottled terrain, smooth plains, craters, and fractures. Unknown source.	Europa	ridged plains, band, chaos terrain, mottled terrain, smooth plains, crater, fracture	Schematic	n/a	n/a	
europa_diagrams_a_018_dgm	ca. late 1990	Europa	Color diagram: Diagram of tidal stress model (?) of the surface of Europa with reference to latitude and longitude. Source unknown.	Europa	stress model	Schematic	n/a	From Ojakangas and Stevenson, 1989. Icarus, vol. 81. #2. p. 242-270. Pappalardo et al., 1997. Geology of Europa as revealed by Galileo Imaging. AAS, DPS Meeting #29. Bull. Am Astron. Soc., vol 29, p. 982 (slide for presentation?)	
europa_diagrams_a_019_dgm	ca., 1997	Europa	Color diagram: Schematics and listed hypotheses of three models of the water & ice layers of Europa.	Europa	water/ice crust model	Schematic	n/a	n/a	
europa_diagrams_a_020_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa "Blisters". Two grayscale sketch models showing potential processes for the formation of chaos and domes.	Europa	chaos terrain, dome	Schematic	n/a	n/a	
Set 9: Europa, diagrams, set B									
europa_diagrams_b_001_dgm	ca. early 2000s	Europa	Color diagram: Artist concept of putative Europa ocean, showing circulation patterns and temperatures at depth.	Europa	ocean	Artist concept	n/a	From Stevenson, D., 2000. Science, vol. 289, #5483, p. 1305-1307. n/a	
europa_diagrams_b_002_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Hypothetical models of Europa wedge-shaped bands formation based on observation and inference; includes scale bar. Unknown source.	Europa	wedge-shaped band	Schematic	n/a	n/a	
europa_diagrams_b_003_dgm	ca. late 1990	Europa	Color diagram: Nine rose diagrams of ridge orientation. Unknown source. See also europa diagrams a 007 dgm .	Europa	ridge set orientation	Schematic	n/a	n/a	
europa_diagrams_b_004_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Preliminary Geologic Terrain Map, Europa. Global map with legend. Unknown source.	Europa	map	Map	n/a	n/a	
europa_diagrams_b_005_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Three step model for the formation of Europa ridges.	Europa	block fault model	Schematic	n/a	Golombek and Bruckenthal, 1983. LPSC XIV (abstract), p. 251-252 Lucchitta and Soderblom, 1982. The geology of Europa, in Satellites of Jupiter, Un. of AZ Press, Tucson, p. 521-555, 940, 941.	
europa_diagrams_b_006_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa Structural Features. Four hemisphere maps of Europa showing the locations of dark wedged-shape bands, triple bands, gray bands, and ridges. With Galileo SSI grayscale image of Europa, limb view. See also europa diagrams_a_003_dgm .	Europa	wedged-shape band, triple band, gray band, ridge	Galileo, schematic	Galileo SSI	n/a	
europa_diagrams_b_007_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Three step model for ridge formation (on Europa). Unknown source.	Europa	ridge formation model	Schematic	n/a	n/a	
europa_diagrams_b_008_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Model of the Interior. Schematic cutaway showing interior of Europa, with Galileo SSI color image of partial global view. List of global observations and Interpretations. Same graphic as used in europa a 006 dem .	Europa	global view, interior model	Galileo, schematic	Galileo SSI	n/a	
europa_diagrams_b_009_dgm	ca. late 1990s, early 2000s	Europa, Jupiter	Color diagram: Tidal Deformation. Schematic for a satellite in orbit about Jupiter. Lists the processes of deformation of a decoupled ice shell--presumably Europa. Unknown source.	Jupiter, Europa	tidal stress model	Schematic	n/a	n/a	
europa_diagrams_b_010_dgm	ca. late 1990s, early 2000s	Europa, Io, Ganymede, Jupiter	Color diagram: Europa Interior. Schematic for tidal stresses on Io in orbit about Jupiter and orbital relationships of Europa and Ganymede. List of potential internal heat sources for Europa. Unknown source.	Jupiter, Io, Europa, Ganymede	tidal stress model	Schematic	n/a	n/a	

europa_diagrams_b_011_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Rotation of Lineaments. Three time-step schematic depicting the rotation of lineaments (on Europa). Unknown source.	Europa	linea	Schematic	n/a	n/a	
europa_diagrams_b_012_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: First Galileo View of Europa. Voyager SSI grayscale global view of Europa with superposed Galileo SSI grayscale regional image (acquired during G1 orbit). United States map for scale. Duplicate of europa diagrams a 010 dgm .	Europa	global view	Galileo, Voyager	Galileo SSI, Voyager SSI	n/a	
europa_diagrams_b_013_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Potential For Exobiology? List of considerations. Schematic cutaway showing interior of Europa with Galileo SSI color image of partial global view. Duplicate of europa a 006 dem .	Europa	global view	Galileo, schematic	Galileo SSI	n/a	
europa_diagrams_b_014_dgm	ca., 1980s-1990s	Europa, Jupiter	Color diagram: Artist concept: two representations of linear features and a triple band on the surface of Europa; Jupiter on the horizon. See also europa c 017 dgm .	Jupiter, Europa	linear ridge, triple band, global view	Artist concept	n/a	Slide 509A, (c) Michael Carroll, 01197 13	
europa_diagrams_b_015_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Summary slide listing three models for crustal thicknesses for Europa and potential implications.	Europa	crustal thickness model	n/a	n/a	Geology of Europa as revealed by Galileo Imaging. AAS, DPS Meeting #29. Bull. Am Astron. Soc., vol 29, p. 982 (slide for presentation?)	
europa_diagrams_b_016_dgm	ca. late 1990s, early 2000s	Europa, Io, Ganymede, Callisto, Jupiter	Color diagram: Galilean Satellites. Diagram of Galilean satellites in order away from Jupiter, and the primary geologic processes that occur on each resulting from the effects of tidal energy. Color lobar views from Voyager SSI; grayscale surface views from Galileo SSI. Unknown source.	Jupiter, Io, Europa, Ganymede, Callisto	global view	Galileo, Voyager	Galileo SSI, Voyager SSI	n/a	
europa_diagrams_b_017_dgm	ca., 1980s-1990s	Europa, Jupiter	Color diagram: Artist concept: two representations of linear features and a triple band on the surface of Europa; Jupiter on the horizon. See also europa diagrams b_014_dgm .	Jupiter, Europa	linear ridge, triple band, global view	Artist concept	n/a	Slide 509A, (c) Michael Carroll, 01197 13	
Set 10: Europa, diagrams of dome features									
europa_dome_001_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Schematic of dome formation; endogenous vs. exogenous formation. Source unknown.	n/a	dome	Schematic	n/a	n/a	
europa_dome_003_dgm	ca. late 1990s, early 2000s	Europa	Grayscale diagram: Grayscale image montage. Two Galileo SSI image mosaics of Europa lineated and chaos terrains with markers identifying the location of domes. Mosaics are referenced to early global Voyager SSI-derived map Europa with outline of Galileo-imaged areas. Unknown source.	Europa	dome	Galileo, Voyager	Galileo SSI, Voyager SSI	n/a	
europa_dome_005_dgm	ca. late 1990s, early 2000s	Europa	Grayscale diagram: Hypothetical models of dome formation on Europa, with high-resolution Galileo SSI images of domes as examples. Source unknown.	Europa	dome	Galileo	Galileo SSI	n/a	
europa_dome_008_dgm	ca. late 1990s, early 2000s	Europa, Earth	Galileo SSI grayscale image montage of domes on Europa; annotation includes scale bars and orbit numbers. Upper right image is of a dome in Oregon. See also europa_dome_006_pht .	Europa, Oregon	dome	Galileo, unknown	Galileo SSI, hand-held camera	n/a	
europa_dome_009_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa Domes. Two color plots: Yield Strength (height vs radius of features) and Effusion Rate (effusion rate vs yield strength). Source known.	Europa	dome	Schematic	n/a	n/a	
europa_dome_011_dgm	ca. late 1990s, early 2000s	Europa	Grayscale diagram: Three schematics of different models for dome formation: cold ice/sublimation, liquid water/melt through, and liquid/warm ice. Citation: Schwarz et al (unknown year).	Europa	dome	Schematic	n/a	Figure 4 - Schwarz, W. et al., 1998. Europa domes: Estimates of Effusion rates based on terrestrial analogs. AAS, DPS Meeting #30. Bull. Am Astron. Soc., vol 30, p. 1085 (slide for presentation)	
europa_dome_012_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Three models depicting potential formation processes of topography in an ice surface, including buoyant blocks, flexural forebulge, and flexural topography. Includes equations and/or text for each model. Unknown source. Duplicate of europa diagrams a 008 dem .	Europa	ice model, dome	Schematic	n/a	n/a	
Set 16: Europa, diagrams of features from Galileo orbit E-15									
europa_e_15_001_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: E-15 REGMAP 01. Planning diagram of footprints and details for E15 observations. Galileo SSI grayscale global view of Europa. Includes a list of rationales and objectives.	Europa, Rhadamanthys	global view	Galileo	Galileo SSI	n/a	
europa_e_15_002_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: E-15 EUROPA. Planning diagram of footprint plots for E15 observations; includes annotation for observation identification and resolution. Galileo SSI grayscale global views of Europa.	Europa	global view	Galileo	Galileo SSI	n/a	
europa_e_15_003_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: E-15 REGMAP 02. Planning diagram of footprints and details for E15 observations. Galileo SSI grayscale global view of Europa. Includes a list of rationales and objectives.	Europa	global view	Galileo	Galileo SSI	n/a	
europa_e_15_005_dgm	ca. late 1990s, early 2000s	Europa, Earth	Color diagram: Galileo SSI grayscale observation E15ESREGMAP02 (subset) of Europa surface, high-res blow out view, with location of mosaic indicated on low-res grayscale global view; color image of California map for scale.	Europa, California	ridged plains, chaos terrain, linea	Galileo	Galileo SSI	n/a	
europa_e_15_007_dgm	ca. late 1990s, early 2000s	Europa, Earth	Color diagram: Galileo SSI grayscale observation E15ESREGMAP01 (subset) of Europa surface, high-res blow out view, with location of mosaic indicated on low-res grayscale G1 observation; color image of British Isles for scale.	Europa, British Isles	ridged plains, linea, dark spots	Galileo	Galileo SSI	n/a	
europa_e_15_013_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Galileo SSI grayscale observation E15ESREGMAP01 (preliminary mosaic) of Europa surface; includes color shape of Florida for scale.	Europa	ridged plains, linea, dark spots	Galileo	Galileo SSI	n/a	
europa_e_15_018_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Color planning diagram of footprint plots for Galileo SSI for E15ESCILIXS02 observations of Cilix Crater, Europa. Galileo SSI color global view of Europa.	Europa, Cilix	crater, global view	Galileo	Galileo SSI	n/a	
Set 17: Europa, diagrams of features from Galileo orbit E-17									
europa_e_17_001_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: E17 EUROPA. Planning diagram of footprint plots for E17 SSI observations, antijovian hemisphere; includes annotation for observation identification and resolution. Galileo SSI grayscale global views of Europa. See europa_e_17_002_dgm for additional observations.	Europa	global view	Galileo	Galileo SSI	n/a	
europa_e_17_002_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: E17 EUROPA. Planning diagram of footprint plots for E17 SSI observations, antijovian hemisphere; includes annotation for observation identification and resolution. Galileo SSI grayscale global views of Europa. See europa_e_17_001_dgm for additional observations.	Europa	global view	Galileo	Galileo SSI	n/a	
Set 18: Europa, diagrams of features from Galileo orbit G-1									
europa_g_01_001_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Galileo planning diagram of footprint plots for G1 SSI observations; includes annotation of feature names and image specifications. Voyager SSI grayscale image mosaic, global view of Europa.	Europa	global view	Voyager	Voyager SSI	n/a	
Set 19: Europa, diagrams of features from Galileo orbit G-2									
europa_g_02_001_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Galileo planning diagram of footprint plots for G1 and G2 SSI observations; includes annotation of feature names and image specifications. Two Voyager SSI grayscale image mosaics, global views of Europa.	Europa, Cadmus, Minos, Phoenix, Tectamus	linea, global view	Voyager	Voyager SSI	n/a	
europa_g_02_002_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Galileo SSI grayscale image, global view: G2 Europa Photometry Observation, violet filter; includes annotation of feature names. See europa_g_01_001_dgm for diagram of planned observation.	Europa, Asterius, Belus, Minos, Phineas, Rhadamanthys, Manann'an, Pwvll	linea, crater, global view	Galileo	Galileo SSI	n/a	
Set 22: Europa, diagrams of Galileo images featured in press releases, set C									
europa_gll_p_c_007_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: 3D rendering of topography of Pwvll crater with elevation color ramp. DEM produced by DLR. See also europa craters a 004 dgm .	Europa, Pwvll	crater, 3D topographic model	3D model	Galileo SSI	JPL Press photo P-49637	
europa_gll_p_c_016_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Two sets of schematics showing cutaways of Europa interior, with associated thin vs thick shell models of Europa crust. Galileo SSI color images used for global surface views of Europa. Duplicate of europa_a_018_dgm , without extraneous annotation. https://nhtnjournal.inl.nasa.gov/catalog/PIA01669	Europa	global view, interior model	Galileo, schematic, artist concept	Galileo SSI	JPL Press photo P-50544; NASA Photojournal PIA01669	
europa_gll_p_c_020_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Galileo SSI grayscale image of Europa double ridge and wedge-shaped bands; blow out of grayscale DTM model. Color 3D model: oblique view of double ridge; DTM produced by DLR.	Europa	wedge-shaped band, double ridge, 3D topographic model	Galileo	Galileo SSI	JPL Press photo P-50539	
Set 23: Europa, diagrams of Europa mapping									
europa_maps_001_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: "Background" Plains. Bullet list of descriptive geology for background plains on Europa.	Europa	plains	n/a	n/a	n/a	
europa_maps_002_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Geologic map of Europa region along 90°W, northern hemisphere; location of map shown on global stress model map. See also europa diagrams a_018_dgm .	Europa	geologic map, global stress model	Map	n/a	Stress map from Ojakangas and Stevenson, 1989 (Icarus, vol. 81, #2, p. 242-270); Geology from Figueredo and Greeley, 2000 (JGR-Planets, vol. 105, #E9, p. 22,629-22,646).	
europa_maps_003_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Preliminary Assessment of Relative Ages. Correlation schematic of geologic unit ages. Unknown source.	Europa	ridged plains, band, chaos terrain, mottled terrain, smooth plains, crater, fracture surface material, structure feature	Schematic	n/a	n/a	
europa_maps_004_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Emerging Results. List of principal mapping units and surface features of Europa.	Europa	geologic map	Map	n/a	n/a	
europa_maps_005_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Geologic Mapping of Europa. Voyager-era geologic map of Europa, half of one hemisphere by Lucchitta and Soderblom, 1982. List of limitations of map; list of mission phases for Galileo orbiter.	Europa	geologic map	Map	n/a	Lucchitta and Soderblom, 1982. The geology of Europa, in Satellites of Jupiter, Un. of AZ Press, Tucson, p. 521-555, 940, 941.	
europa_maps_006_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Galileo SSI image, false color representation of Tyre Macula; color scheme unknown.	Europa, Tyre	crater	Galileo	Galileo SSI	n/a	
europa_maps_007_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Geologic map of Europa, northern leading hemisphere; includes map legend. See also europa_maps_002_dgm for alternate version of map.	Europa	geologic map	Map	n/a	Geology from Figueredo and Greeley, 2000 (JGR-Planets, vol. 105, #E9, p. 22,629-22,646)	

europa_diagram_database

europa_maps_009_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Preliminary Geologic Terrain Map, Europa. Global map with legend. Unknown source. See also earlier version, europa_diagrams_b_004_dgm .	Europa	geologic map	Map	n/a	n/a	
europa_maps_010_dgm	ca. late 1990s, early 2000s	Europa	Color text slide: Geologic Mapping of Europa. List of mapping goals for Europa surface geology.	Europa	n/a	n/a	n/a	n/a	
europa_maps_011_dgm	ca. late 1990s, early 2000s	Europa	Color text slide: Geologic Mapping of Europa. List of geologic mapping activities by institution during Galileo mission.	Europa	n/a	n/a	n/a	n/a	
europa_maps_012_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Belus Linea Region. Geologic sketch map with legend. Source unknown.	Europa, Belus	geologic map	Map	n/a	n/a	
europa_maps_013_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Geologic Sketch Map: Europa E-11. Geologic map of part of the Galileo SSI E11 image mosaic, including ridges, chaos terrain, and "blisters". Source unknown. See also europa_maps_015_dgm .	Europa	geologic map	Map	n/a	n/a	
europa_maps_015_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa E-11 Geologic Sketch. Geologic map of part of the Galileo SSI E11 image mosaic of Europa. Source unknown. See also europa_maps_013_dgm .	Europa	geologic map	Map	n/a	n/a	
europa_maps_016_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Galileo SSI grayscale twelve-image montage of Europa surface features and type localities of geologic surface units; includes arrows and scale bars.	Europa	crater, chaos terrain, triple band, wedge-shaped band	Galileo	Galileo SSI	n/a	
Set 24: Europa, diagrams of mottled terrain features									
europa_mottled_terrain_004_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Mottled Terrain. Galileo SSI grayscale image of crater, banded, and "wedges" region, Argadnel Regio. List of geologic features related to mottled terrain.	Europa, Argadnel	mottled terrain	Galileo	Galileo SSI	n/a	
Set 25: Europa, diagrams of pull apart terrain features									
europa_pull_apart_001_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Galileo SSI grayscale image of Europa bands, with width measurements (yellow lines with lengths in km); includes scale bar. Some areas have been colored to indicate contiguous regions. See also europa_pull_apart_010_dgm for same image used.	Europa	band, ridge	Galileo	Galileo SSI	n/a	
europa_pull_apart_002_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Galileo SSI grayscale image of wedge/pull-apart surface. Annotated schematic showing surface reconstruction by the removal of dark bands; includes scale bar.	Europa	wedge-shaped band, pull-apart terrain	Galileo	Galileo SSI	n/a	
europa_pull_apart_004_dgm	ca. late 1990s, early 2000s	Europa	Grayscale diagram: two sketch maps of linear features around Thynia Linea; top map shows the current placement of features, lower map shows surface reconstruction with the removal of Thynia Linea. Map corresponds to image europa_pull_apart_008_pht .	Europa, Thynia	linea	Map	n/a	n/a	
europa_pull_apart_010_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Galileo SSI grayscale image of Europa bands; two renderings of the Galileo image shows the removal of the bands (left), and the reconstruction of the surface without the bands (right); areas colored for enhanced visualization. Includes scale bar. See also europa_pull_apart_001_dgm for same image used.	Europa	band, ridge	Galileo	Galileo SSI	n/a	
Set 26: Europa, diagrams of general surface features									
europa_surface_013_dgm	ca. late 1990s, early 2000s	Europa, Jupiter	Color diagram: Europa Interior. List of Galileo magnetometer observations of Jupiter and Galilean satellites. Artist concept of limb view of Europa with diagram of Galileo spacecraft and global view of Jupiter. Duplicate of europa_a_017_dgm .	Europa, Jupiter	limb view, global view	Artist concept	n/a	n/a	
europa_surface_014_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Unique Solar System Object. Artist concept of Europa with cutaway showing interior. List of motivations to explore Europa.	Europa	global view	Artist concept	n/a	n/a	
europa_surface_015_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa Surface. Galileo SSI color image of Thera Macula, Europa; includes scale bar. List of geologic interpretations.	Europa, Thera	macula	Galileo	Galileo SSI	n/a	
europa_surface_020_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa Interior. Simplified theory on interior development. Artist concept of Europa ice crust and liquid ocean model. Duplicate of europa_b_009_dgm . https://photojournal.jpl.nasa.gov/catalog/PIA01669	Europa	interior model, ice surface	Artist concept	n/a	See NASA Photojournal PIA01669	
europa_surface_021_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa Surface. Voyager SSI color images of Europa, leading and trailing hemispheres. List of origins for non-ice materials.	Europa	global view	Voyager	Voyager SSI	n/a	
europa_surface_034_dgm	ca. late 1990s, early 2000s	Europa, Earth	Color diagram: Observation Photom01 Compared with the Grand Canyon (at the Same Scale). Two Galileo SSI grayscale views of Europa, triple bands (left). Color satellite image of the Grand Canyon, AZ; includes north arrow and scale bar (unknown source).	Europa, Grand Canyon	ridge, ridged plains	Galileo, unknown	Galileo SSI, satellite image	n/a	
europa_surface_040_dgm	ca. late 1990s, early 2000s	Europa	Grayscale diagram: Galileo SSI grayscale image mosaic of Europa surface with labeled surface features, including ridged plains, thin fractures, and pits.	Europa	ridged plains, pit	Galileo	Galileo SSI	n/a	
Set 27: Europa, diagrams of triple band features									
europa_tb_002_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Analyze Unique Features (Europa). List: triple bands; assess explosive venting; possible flows, dikes, diapirs. Color diagram showing four step processes of triple band formation.	Europa	triple band	Schematic	n/a	n/a	
europa_tb_004_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: G1 Europa photometrically corrected four frame mosaic. Galileo SSI grayscale image, nearly global view. Named features labeled with red text.	Europa, Asterius, Minos, Manann'an, Belus, Rhadamanthys, Cadmus, Tectamus, Phoenix, Argiope, Telephassa, Cilix	triple band, global view	Galileo	Galileo SSI	n/a	
europa_tb_006_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Models of Triple Band Formation. Four schematic diagrams showing the potential formation processes of triple bands; includes annotation. Duplicate of europa_diagrams_a_002_dgm .	Europa	triple band	Schematic	n/a	n/a	
europa_tb_007_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Rhadamanthys Linea. Galileo SSI false color image of Rhadamanthys Linea and neighboring features; includes scale bar and annotation of features.	Europa, Rhadamanthys	triple band, dark spot, linea	Galileo	Galileo SSI	n/a	
europa_tb_008_dgm	ca. late 1990s, early 2000s	Europa	B/W diagram: schematic of ballistic model of volcanic eruptions on Europa; includes equations of ballistic trajectories.	Europa	volcanic model	Schematic	n/a	n/a	
europa_tb_009_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Size Distribution of Spots Along Rhadamanthys Linea. Galileo SSI color image montage of Rhadamanthys Linea, Europa, including measurements across features (red line and id #) and bar graph showing size distributions. Unknown source.	Europa, Rhadamanthys	triple band	Galileo	Galileo SSI	n/a	
europa_tb_010_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Galileo SSI color image montage of Rhadamanthys Linea, Europa, including measurements across features (red line and id #) and bar graph showing size distributions.	Europa, Rhadamanthys	triple band	Galileo	Galileo SSI	n/a	
europa_tb_017_dgm	ca. late 1990s, early 2000s	Europa	Color text slide: RESULTS. List of results from explosive plume model (for Europa). Source unknown.	Europa	volcanic model	n/a	n/a	n/a	
europa_tb_018_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Models of Triple Band Formation. Four diagrams showing the development of triple bands on Europa. Similar to europa_tb_006_dgm .	Europa	triple band	Schematic	n/a	n/a	
europa_tb_019_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Doublet Ridge Formation. Six-step model showing the formation of a triple band on Europa. Unknown source.	Europa	triple band	Schematic	n/a	n/a	
Set 29: Europa, diagrams featuring Voyager images									
europa_vgr_007_dgm	ca. late 1970s, early 1980s	Europa	Grayscale diagram: Voyager grayscale image of Europa, limb view, with labels of feature types. See also europa_vgr_004_pht .	Europa, Thrace, Thera	macula, limb view, plains, mottled terrain, wedge-shaped band, limb view	Voyager	Voyager SSI	n/a	
europa_vgr_012_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Voyager Images of Europa. Three image montage of Voyager SSI grayscale images of Europa, all limb views, at best resolution of ~2 km/pix; resseau marks on each image.	Europa	limb view, plains, mottled terrain, wedge-shaped band, limb view	Voyager	Voyager SSI	n/a	
Set 30: Europa, diagrams and text slides, set A									
europa_words_a_001_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa. List of hypotheses about the formation of chaos terrain on Europa.	Europa	chaos terrain	n/a	n/a	n/a	
europa_words_a_002_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa: Low Albedo/Dark Zone. List of occurrences and descriptions.	Europa	low albedo/dark zone, chaos terrain, impact ejecta, dome	n/a	n/a	n/a	
europa_words_a_003_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa. List of Low Albedo/Dark Zones occurrences and descriptions on Europa. Updated version of europa_words_a_002_dgm .	Europa	low albedo/dark zone, ridge, chaos terrain, impact ejecta, dome	n/a	n/a	n/a	
europa_words_a_004_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Mottled Terrain. List of mottled terrain types.	Europa	mottled terrain	n/a	n/a	n/a	
europa_words_a_005_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Galileo SSI At Europa. List of results from analysis of surface morphology.	Europa	bright plains, ridge, band, chaos terrain	n/a	n/a	n/a	
europa_words_a_006_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Lineae and Bands. List of different linear and band features.	Europa	linea, band	n/a	n/a	n/a	
europa_words_a_007_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa. List of hypotheses about the formation of chaos terrain on Europa. Duplicate of europa_words_a_001_dgm .	Europa	chaos terrain	n/a	n/a	n/a	
europa_words_a_008_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa Surface Features. List of clues and origins to the evolution of Europa surface features.	Europa	smooth plains, mottled terrain, linea, crater	n/a	n/a	n/a	
europa_words_a_009_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Cryovolcanism/Cryomagmatism. List of features that suggest cryovolcanic/cryomagmatic origins.	Europa	feature, dome	n/a	n/a	n/a	
europa_words_a_010_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa Imaging Goals and Strategy. List of key science issues and imaging strategies for color imaging of Europa.	Europa	pattern	n/a	n/a	n/a	
europa_words_a_011_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa Galileo SSI Results. List of surface features of Europa as observed by Galileo (Carr et al., 1995).	Europa	plains, crater, macula, triple band, ridge	n/a	n/a	Carr, MH et al., 1995, JGR-Planets, vol. 100, #E9, p. 18.935-18.955.	
europa_words_a_012_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa: Low Albedo/Dark Zone. List of possible modes of formation. See also europa_words_a_002_dgm .	Europa	low albedo/dark zone, chaos terrain, impact ejecta, dome	n/a	n/a	n/a	
Set 31: Europa, diagrams and text slides, set B									
europa_words_b_001_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Observations and Questions. Galileo SSI color image, limb view. List of hypotheses on loss of impact craters on Europa.	Europa	limb view, linea	Galileo	Galileo SSI	n/a	
europa_words_b_002_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa in the Galileo Nominal Mission. Voyager SSI color image, limb view. List of topics for mission planning and imaging. Similar to europa_words_a_010_dgm .	Europa	global view	Voyager	Voyager SSI	n/a	
europa_words_b_003_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa Lineae: Tectonic Expressions? List of hypotheses on possible formation of Europa lineae.	Europa	linea	n/a	n/a	n/a	
europa_words_b_004_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa Topography. Summary list of Europa topographic observations.	Europa, Cilix	topography, pit, crater, knob, ridge	n/a	n/a	n/a	
europa_words_b_005_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa: Goals for Galileo SSI (Carr et al., 1995). Summary list of imaging goals Galileo SSI. Updated version of europa_words_a_011_dgm .	Europa	plains, crater, macula, triple band, ridge	n/a	n/a	Carr, MH et al., 1995, JGR-Planets, vol. 100, #E9, p. 18.935-18.955.	

europa_words_b_006_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa Imaging Goals and Strategy. List of key science issues and imaging strategies for color imaging of Europa. Duplicate of europa_words_a_010_dgm	Europa	cryovolcanism, tectonic pattern	n/a	n/a	n/a
europa_words_b_007_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Is Europa Currently Active? Lists the approaches on how to address whether Europa is currently geologically active.	Europa	volcanic plume	n/a	n/a	n/a
europa_words_b_008_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa Surface Features. List of clues and origins to the evolution of Europa surface features. Duplicate of europa_words_a_008_dgm .	Europa	smooth plains, mottled terrain, linea, crater	n/a	n/a	n/a
europa_words_b_009_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa: Low Albedo/Dark Zone. List of occurrences and descriptions. Duplicate of europa_words_a_002_dgm	Europa	low albedo/dark zone, chaos terrain, impact ejecta, dome	n/a	n/a	n/a
europa_words_b_010_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa in the Galileo Nominal Mission. Galileo SSI color image, limb view. List of then known characteristics of Europa during Galileo nominal mission.	Europa	limb view, linea	Galileo	Galileo SSI	n/a
europa_words_b_011_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa in the Galileo Nominal Mission. Voyager SSI color image, limb view. List of topics for mission planning and imaging. Duplicate of europa_words_b_002_dgm	Europa	global view	Voyager	Voyager SSI	n/a
europa_words_b_012_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa: Initial Galileo Results. Summary list of Galileo imaging results, including evidence for cryovolcanism, observed geologic diversity, tectonic disruption, and surface weathering.	Europa	linea, chaos terrain	n/a	n/a	n/a
europa_words_b_013_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: SSI Expectations for Europa. List of anticipated science returns from Galileo SSI imaging through Galileo Extended Mission (GEM).	Europa	plains, mottled terrain, ridge, fracture	n/a	n/a	n/a
europa_words_b_014_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa. List of Low Albedo/Dark Zones occurrences and descriptions on Europa. Duplicate of europa_words_a_003_dgm .	Europa	low albedo/dark zone, ridge, chaos terrain, impact ejecta, dome	n/a	n/a	n/a
europa_words_b_015_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Subsurface Dark Material on Europa. Galileo SSI color and grayscale image examples of subsurface dark materials associated with craters and lineated plains.	Europa, Pwyll, Manann'an	crater, chaos terrain, dark halo crater	Galileo	Galileo SSI	n/a
europa_words_b_016_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Observations and Questions. Galileo SSI color mosaic of Europa, global view. List of geologic questions on terrain asymmetry, including dark mottled vs lineated plains with little or no spectral differences.	Europa	global view, linea	Galileo	Galileo SSI	n/a
europa_words_b_017_dgm	ca. late 1990s, early 2000s	Europa	Color diagram: Europa: Observations and Questions. Galileo SSI color image of Europa, global view. List of geologic questions on leading- and trailing-hemisphere asymmetry.	Europa	global view	Galileo	Galileo SSI	n/a
europa_words_b_018_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Europa Galileo SSI Results. List of key findings from SSI observations.	Europa	complex ridge, cryovolcanic flow, pyroclastic material	n/a	n/a	n/a
europa_words_b_019_dgm	ca. late 1990s, early 2000s	Europa	Color text diagram: Formation of Chaotic Terrain. List of hypotheses on formation of chaotic terrain on Europa. Older version of europa_words_a_001_dgm .	Europa	chaos terrain	n/a	n/a	n/a