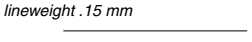
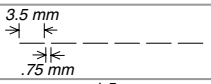
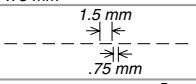
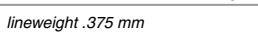
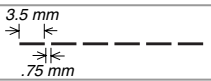
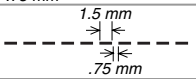
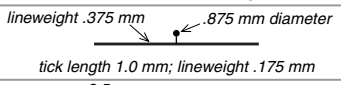
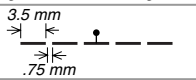
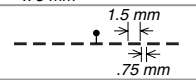
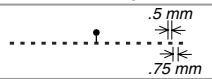
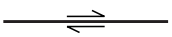
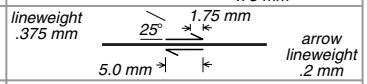
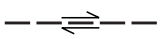
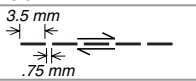
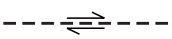
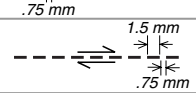
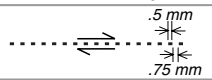
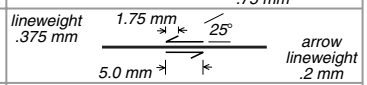
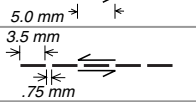
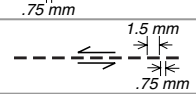
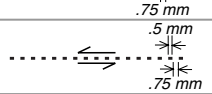
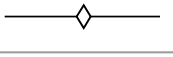
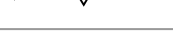
25—PLANETARY GEOLOGY FEATURES

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
25.1	Contact, planetary—Location accurate			
25.2	Contact, planetary—Location approximate			
25.3	Contact, planetary—Location inferred			
25.4	Contact, planetary—Location concealed			
25.5	Fault, planetary, sense of offset unspecified—Location accurate			
25.6	Fault, planetary, sense of offset unspecified—Location approximate			
25.7	Fault, planetary, sense of offset unspecified—Location inferred			
25.8	Fault, planetary, sense of offset unspecified—Location concealed			
25.9	Normal fault, planetary—Location accurate. Ball and bar on downthrown block			
25.10	Normal fault, planetary—Location approximate. Ball and bar on downthrown block			
25.11	Normal fault, planetary—Location inferred. Ball and bar on downthrown block			
25.12	Normal fault, planetary—Location concealed. Ball and bar on downthrown block			
25.13	Strike-slip fault, planetary, right-lateral offset—Location accurate. Arrows show relative motion			
25.14	Strike-slip fault, planetary, right-lateral offset—Location approximate. Arrows show relative motion			
25.15	Strike-slip fault, planetary, right-lateral offset—Location inferred. Arrows show relative motion			
25.16	Strike-slip fault, planetary, right-lateral offset—Location concealed. Arrows show relative motion			
25.17	Strike-slip fault, planetary, left-lateral offset—Location accurate. Arrows show relative motion			
25.18	Strike-slip fault, planetary, left-lateral offset—Location approximate. Arrows show relative motion			
25.19	Strike-slip fault, planetary, left-lateral offset—Location inferred. Arrows show relative motion			
25.20	Strike-slip fault, planetary, left-lateral offset—Location concealed. Arrows show relative motion			
25.21	Thrust fault, planetary—Location accurate. Sawteeth on upper plate			
25.22	Thrust fault, planetary—Location approximate. Sawteeth on upper plate			
25.23	Thrust fault, planetary—Location inferred. Sawteeth on upper plate			
25.24	Thrust fault, planetary—Location concealed. Sawteeth on upper plate			

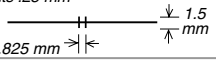
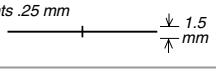
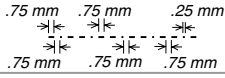
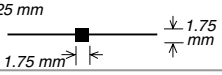
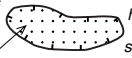
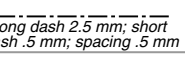
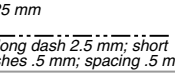
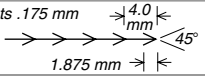
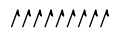
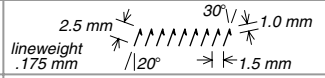
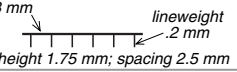
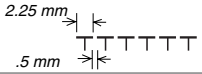
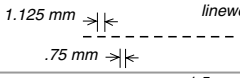
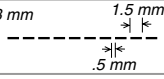
For more information, see general guidelines on pages A-i to A-v.

25—PLANETARY GEOLOGY FEATURES (continued)

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
25.25	Graben trace, planetary (shown as single line where bounding normal faults cannot be mapped separately)—Location accurate		lineweight .375 mm dot diameter 1.375 mm	
25.26	Graben trace, planetary (shown as single line where bounding normal faults cannot be mapped separately)—Location approximate		3.5 mm .75 mm	
25.27	Graben trace, planetary (shown as single line where bounding normal faults cannot be mapped separately)—Location inferred		1.5 mm .75 mm	
25.28	Graben trace, planetary (shown as single line where bounding normal faults cannot be mapped separately)—Location concealed		.5 mm .75 mm	
25.29	Regional fracture, planetary		lineweight .3 mm color 100% cyan	
25.30	Partly buried regional fracture, planetary		1.5 mm .75 mm	
25.31	Arcuate fracture, planetary		lineweight .2 mm color 100% purple	
25.32	Partly buried arcuate fracture, planetary		1.5 mm .75 mm	
25.33	Radial fracture, planetary (associated with coronae)		lineweight .325 mm color 100% purple	
25.34	Concentric fracture, planetary (associated with coronae)		lineweight .25 mm color 100% violet	
25.35	Fold crest, planetary		lineweight .3 mm color 100% red	
25.36	Broad warp, planetary		lineweight .635 mm color 100% red .75 mm .75 mm	
25.37	Wrinkle ridge, planetary		lineweight .25 mm color 100% magenta	
25.38	Ribbon trends, planetary		lineweight .25 mm color 100% green	
25.39	Ridge belt, planetary		all lineweights .25 mm color 100% red 1.75 mm	
25.40	Broad ridge crest, planetary (generally associated with coronae)		lineweight .635 mm color 100% red	
25.41	Ridge crest, planetary (1st option)		65° lineweight .25 mm 3.0 mm 65°	
25.42	Ridge crest, planetary (2nd option)		all lineweights .25 mm	
25.43	Ridge crest, planetary (1st option)—Arrowhead shows abrupt termination of ridge		65° 1.375 mm	
25.44	Ridge crest, planetary (2nd option)—Arrowhead shows abrupt termination of ridge			
25.45	Ridge crest (possible dike), planetary		70° all lineweights .25 mm 3.5 mm	
25.46	Corona annulus ridge, planetary—Showing axial trace and plunge. Short arrow indicates steeper limb or scarp bounding corona trough		3.75 mm all lineweights .25 mm 75° 2.0 mm	

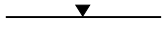
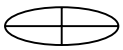
For more information, see general guidelines on pages A-i to A-v.

25—PLANETARY GEOLOGY FEATURES (continued)

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
25.47	Groove (generic), planetary		lineweight .25 mm	
25.48	Sharp groove, planetary		all lineweights .25 mm 	
25.49	Subdued groove, planetary		all lineweights .25 mm 	
25.50	Radially grooved ejecta (schematic), planetary			
25.51	Furrow, planetary		lineweight .25 mm 	
25.52	Trough or narrow depression, planetary		lineweight .25 mm 	
25.53	Depression (mapped to scale), planetary		all lineweights .25 mm  hachure height .875 mm; spacing 3.5 mm	
25.54	Large depression (mapped to scale), planetary		all lineweights .25 mm pattern 118-K  hachure height .625 mm; spacing 3.5 mm	
25.55	Shallow, linear depression or valley, or narrow channel, planetary		lineweight .25 mm color 100% cyan	
25.56	Channel (canali), planetary		lineweight .25 mm  long dash 2.5 mm; short dash .5 mm; spacing .5 mm	
25.57	Channel (canali), planetary—Two short dashes where structureless or indefinite		lineweight .25 mm  long dash 2.5 mm; short dashes .5 mm; spacing .5 mm	
25.58	Narrow channel (possible lava channel), planetary—Arrows point in direction of flow		all lineweights .175 mm 	
25.59	Erosional boundary, planetary—Erosion increases in direction of arrows			
25.60	Angular unconformity, planetary—Hachures indicate truncated beds		lineweight .3 mm 	
25.61	Angular unconformity, planetary—Uncertain. Hachures indicate truncated beds			
25.62	Layer, planetary			
25.63	Lineament, planetary		lineweight .3 mm 	
25.64	Layering in canyon wall, planetary		all lineweights .2 mm  lengths and spacing will vary	
25.65	Fabric of short radar-bright lineaments (schematic), planetary		all lineweights .25 mm  lengths and spacing will vary	
25.66	Penetrative lineations, within tessera terrain, planetary		all lineweights .125 mm  lengths and spacing will vary	
25.67	Flow direction, planetary		lineweight .175 mm	
25.68	Wind streaks, planetary—Arrow points in inferred wind direction		all lineweights .2 mm	
25.69	Area of channelized erosion and scouring, planetary—Arrow points in direction of interpreted flow		lineweight .375 mm	
25.70	Area of eolian transport, planetary—Arrow points in direction of air flow		all lineweights .375 mm	

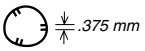
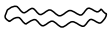
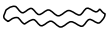
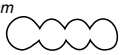
*For more information, see general guidelines on pages A-i to A-v.

25—PLANETARY GEOLOGY FEATURES (continued)

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
25.71	Scarp, planetary—Hachures point downscarp		all lineweights .25 mm 5.0 mm 1.0 mm	
25.72	Lobate scarp, planetary—Hachures point downscarp		all lineweights .25 mm 2.0 mm 1.0 mm	
25.73	Basal scarp, planetary—Hachures point downscarp		all lineweights .25 mm 3.0 mm 1.25 mm	
25.74	Base of scarp, planetary—Barb points downscarp		lineweight .25 mm 65° 1.5 mm	
25.75	Dome, edifice, or circular scarp, planetary (mapped to scale)—Hachures point downscarp		all lineweights .25 mm hachure height 1.25 mm; spacing 1.25 mm	
25.76	Very small shield, dome, or volcanic construct, planetary (not mapped to scale)		all lineweights .4 mm 1.5 mm	
25.77	Small shield, dome, or volcanic construct, planetary (not mapped to scale)		all lineweights .6 mm 2.5 mm	
25.78	Large, steep-sided shield, dome, or volcanic construct, planetary (not mapped to scale)		all lineweights .375 mm 1.625 mm 1.625 mm circle diameter 4.0 mm	
25.79	Mesa, planetary (not mapped to scale)		all lineweights .375 mm circle diameter 4.0 mm all barb lengths 1.625 mm	
25.80	Large shield, dome, or volcanic construct, planetary (mapped to scale)—Hachures point downscarp		all lineweights .3 mm hachure height 1.25 mm; spacing 3.75 mm	
25.81	Large cone, planetary (mapped to scale)—Hachures point downscarp		all lineweights .25 mm hachure height .75 mm; spacing 3.5 mm	
25.82	Knob or central peak, planetary (not mapped to scale)		all lineweights .25 mm 1.65 mm 1.65 mm circle diameter 2.0 mm	
25.83	Knob, planetary (mapped to scale)—Bar and ball indicate apical fissure. Hachures point downscarp		dot diameter 1.25 mm all lineweights .25 mm 3.5 mm hachure height .9 mm; spacing 2.0 mm	
25.84	Elevated plateau, planetary (mapped to scale)—Hachures point downscarp		all lineweights .25 mm hachure height .625 mm; spacing 3.75 mm	
25.85	Steep-sided edifice, planetary (not mapped to scale)		2.0 mm all lineweights .25 mm 3.75 mm 2.5 mm	
25.86	Steep-sided edifice, planetary (not mapped to scale)—Dotted where concealed or buried		short dashes .5 mm; spacing .5 mm	
25.87	Large edifice, planetary (not mapped to scale)		all lineweights .25 mm 15.0 mm 5.0 mm	
25.88	Very small tholi, planetary (not mapped to scale)		lineweight .25 mm 2.5 mm	
25.89	Small tholi, planetary (not mapped to scale)		all lineweights .25 mm circle diameter 3.0 mm	
25.90	Small tholi, planetary (mapped to scale)		all lineweights .25 mm	
25.91	Corona, planetary		lineweight .25 mm dash length 1.5 mm; spacing .75 mm	
25.92	Nova, planetary		lineweight .5 mm dash length 2.25 mm; spacing .75 mm	
25.93	Palimpsest ring, planetary		dot diameter .875 mm; spacing .375 mm	

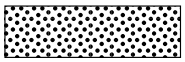
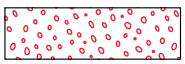
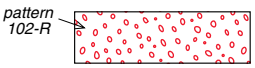
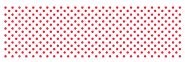
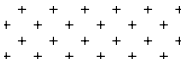
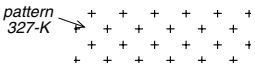
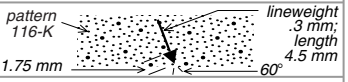
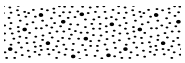
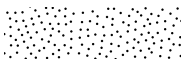
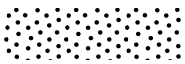
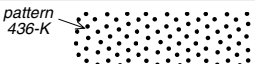
For more information, see general guidelines on pages A-i to A-v.

25—PLANETARY GEOLOGY FEATURES (continued)

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
25.94	Raised rim of larger impact crater, planetary—Hachures point into crater		all lineweights .3 mm hachure height .75 mm; spacing of hachure pairs .5 mm  .375 mm	
25.95	Raised rim of smaller impact crater, planetary		lineweight .3 mm 	
25.96	Raised rim of impact crater, planetary—Showing visible ejecta blanket		lineweight .15 mm 	
25.97	Degraded impact crater rim, planetary (1st option)		lineweight .3 mm  dash length 1.0 mm; spacing .5 mm	
25.98	Rimless impact crater, subdued impact crater rim, degraded impact crater rim (2nd option), or buried impact crater rim, planetary		lineweight .3 mm  long dash 4.0 mm; short dashes .2 mm; spacing .5 mm	
25.99	Secondary impact crater chain and cluster, planetary		lineweight .25 mm  dash length 1.5 mm; spacing .5 mm	
25.100	Basin ring, planetary		lineweight .375 mm  dash length .75 mm; spacing .75 mm	
25.101	Central peak of impact crater, planetary (1st option)		ellipse width 1.875 mm; height 2.625 mm  1.5 mm all lineweights .2 mm	
25.102	Central peak of impact crater, planetary (2nd option)		2.375 mm  all lineweights .2 mm	
25.103	Pit of impact crater floor, planetary (1st option)		 lineweight .2 mm	
25.104	Pit of impact crater floor, planetary (2nd option)		 dot diameter .875 mm	
25.105	Pit-crater chain (mapped to scale), planetary		lineweight .2 mm 	
25.106	Small endogenic crater, planetary		 dot diameter 1.0 mm	
25.107	Small endogenic crater (mapped to scale), planetary		lineweight .25 mm 	
25.108	Medium-sized endogenic crater (mapped to scale), planetary		lineweight .25 mm  dot diameter 1.0 mm	
25.109	Large endogenic crater (mapped to scale), planetary		all lineweights .25 mm  hachure height 1.25 mm; spacing 3.175 mm	
25.110	Chain craters or collapsed lava tube (mapped to scale), planetary		lineweight .2 mm 	
25.111	Caldera, planetary		all lineweights .25 mm  hachure height .625 mm; spacing .875 mm	
25.112	Volcano, planetary, having summit crater		lineweight .15 mm 	
25.113	Volcano, planetary, without summit crater—Queried if origin is conjectural		 H-8	
25.114	Flow front, planetary—Arrow indicates flow direction		1.375 mm lineweight .25 mm 40° arrow lineweight .25 mm	
25.115	Mountain (rugged), planetary—Origin uncertain		lineweight .2 mm line color 50% black	
25.116	Channel bars, planetary—May be erosional or depositional		lineweight .2 mm line color 30% black	
25.117	Slide or slump material, planetary—Arrow indicates direction of movement		lineweight .25 mm 2.5 mm 60° arrow lineweight .2 mm	

For more information, see general guidelines on pages A-i to A-v.

25—PLANETARY GEOLOGY FEATURES (continued)

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
25.118	Dark-colored ejecta, planetary			May also be shown in red or other colors.
25.119	Light-colored ejecta, planetary			
25.120	Terrace deposits, planetary			
25.121	Dark-colored mantling material, planetary			
25.122	Secondary crater field, planetary			May also be shown in black or other colors.
25.123	Diffuse highland-lowland boundary scarp, planetary			
25.124	Joint or fracture pattern, planetary			May also be shown in red or other colors.
25.125	Area of reticulate grooves, planetary—Showing trend			
25.126	Detached lobe, planetary—Arrow points in direction of interpreted landslide or debris flow			
25.127	Low albedo smooth material, planetary—Interpreted as eolian material			
25.128	Airburst spot			
25.129	Mantling material, planetary—Light-colored			
25.130	Splotch, planetary—Circular, radar-bright halo on surface			
25.131	Reticulate pattern on plains, planetary			
25.132	Fracture zone, planetary			
25.133	Superficial crater material having weak radar back-scatter coefficient, planetary			
25.134	Crater-associated ejecta halo, planetary			
25.135	Halo without associated crater, planetary			

For more information, see general guidelines on pages A-i to A-v.