Description of map units

Ferrain un	peron of map and					12	5	
btaA	Basal terrain a of Arte RMS slope, host to 0.6 km wavelength	mis – High to very high-ba dominantly northeast-south penetrative tectonic fabric c <i>n</i> : Local basal material	west trending 0.3-	120 25 +	+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$			8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
btbA	Basal terrain b of Arte slope, host to domin km wavelength pene	emis – Moderate-backscatte antly northeast-southwest t etrative tectonic fabric of ur hic ridges spaced 10-50 km	rending 0.3-0.6 determined			++	fu	
bftZ	low regional relief, t and marked by pene materials of unknow	of Zhibeck Planitia – mod terrain exposed locally thro tratively developed parallel on genetic origin deformed rior to being locally covere	ugh surrounding region fracture. <i>Interpretation</i> by regional and local	IS,				
st	Shield terrain – interm texture. Composed of	ediate-to-low backscatter m of distributed edifices and a <i>Interpretation:</i> composite sl	naterial of heterogeneou ssociated material that					
Iaterial u	units							
sfaA	RMS slope, pock-m digitate boundaries	ated flow material a of Ar arked by shield edifices less with kipukas of unit btaA, h <i>tation:</i> Localized thin, low- ed deposits	s than 5 km in diameter ocated in the southwest	r, sharp t region	-30	DtaA	fcaA	
sfbA	RMS slope, pock-m digitate boundaries Artemis. <i>Interpretat</i>	ated flow material b of Ar arked by shield edifices less with kipukas of unit btaA, 1 <i>ion:</i> Localized thin, low-vis sits radiating from a central	s than 5 km in diameter ocated in the southeast scosity veneer of volcar	r, sharp region of				
sfcA	Shield field and associate slope, pock-marked boundaries with kip	ated flow material c of Art by shield edifices less than ukas of unit btaA, located in lized thin, low-viscosity ve	temis – Low-backscatt 5 km in diameter, shar n the eastern region of A	p digitate Artemis.			Ifu Ifu	+ fifu + btaA
fQc	lobate to gradational	a Chasma – Low-backscatt l boundaries, extends into lo lized volcanic material sou	ocal topographic lows.	-				
Composite	-	service material sou	<u></u>					The second
fcaA	small shield edifices by magmatic trough	emis – Low-backscatter, lo s (less than 5 km diameter), s, local inliers of unit btaA, <i>ion:</i> Composite of volcanic	localized lobate flow f located in the western	ronts, deform region of	^{ed} _35		fcaA	
fcbA	marked by small shi locally hosts fine-sc is in general digitate fabric of unit btaA a penetrative fabric; e	emis – Very low to modera eld edifices (less than 5 km ale polygonal fabric near th e where the contact is at hig nd gradational where the co mbays unit mAc on the east temis. <i>Interpretation:</i> Comp basal terrains	diameter), localized lo e eastern margin, conta h angles to the trend of ontact is near parallel to tern-southeastern marg	bate flow fro act with unit b the penetration the trend of in, located in	nts, otaA ve the the			
Indiffere	ntiated Materials							8
сср	located near the cen	aterial – Undifferentiated, ter of some impact basins a ebounded material associate	s isolated inliers. Interp					
Cfi		naterial – Undifferentiated, low-backscatter, low-RMS slope material filling some asins. <i>Interpretation:</i> Gently emplaced material postdating impacts, possibly					+ Mst	
се	Crater ejecta material – Undifferentiated, moderate to high-backscatter, high-RMS slope material. <i>Interpretation:</i> Near-field ejecta and structurally uplifted breccia associated with bolide impact						st	
cfl	Crater flow material – Undifferentiated, high-backscatter material apparently flowing from some impact basins. <i>Interpretation:</i> Impact melt or fluidized ejecta created by bolide impact							
fu	Flow material; undifferentiated – Undifferentiated, low to moderate-backscatter, low-RMS slope, texturally homogenous, discontinuous radar-boundaries, locally pock-marked by small shield edifices (less than 5 km in diameter), locally deformed by fractures, pit chains, and magmatic troughs. <i>Interpretation:</i> Composite of individual local to regional events, unlikely to represent a coherent stratigraphic unit across entire map area						st	
lfu	Localized flow material; undifferentiated – Low-backscatter, low-RMS slope material located in local topographic lows, commonly associated with small shield edifices (less than 5 km diameter). Interpretation: Localized flood lava flows							
Radar Fac	-							
rf	Radar facies – high bac resolution) tectonic represent a single co	ekscatter radar facies marke fractures and flows (?). May wherent geologic unit formed facies representing a comp	jor trends marked by lind at a specific time, or o	neaments. The of a specific of	is facies does not character.	-45		
Explan	nation							
-	Structures	Secondary Structures						
	Crater rim crest	///	Fractures	/	Fold crest			
+	Shield (< 5 km)		Ridges		Penetratvie fabric trends			The when the
-¢-	Shield (> 5 km)		Lineaments	$\begin{array}{c} A = 0 & a \\ (-a) A = 0 & a \\ (-a)$	Interior penetrative fabric			F. M
~	Pit crater		Double lineaments		Chasma penetrative fabric			1/1-1
	Pit chains		Graben		Polygonal fabric		+ + +	
	Channels		Wrinkle Ridges	(Fracture zone fabric			
	Shallow troughs		Scarp		Chasma boundary		+	+ + ++
	Radar boundary						-50	-
	Flow direction	Other Symbols					120	
/	Flow front	AREAS.	Contacts (thickly dott	ad whara ara	(lenoted)			

Flow front

O Tick

• Penetrative fabric wavelength measurement site

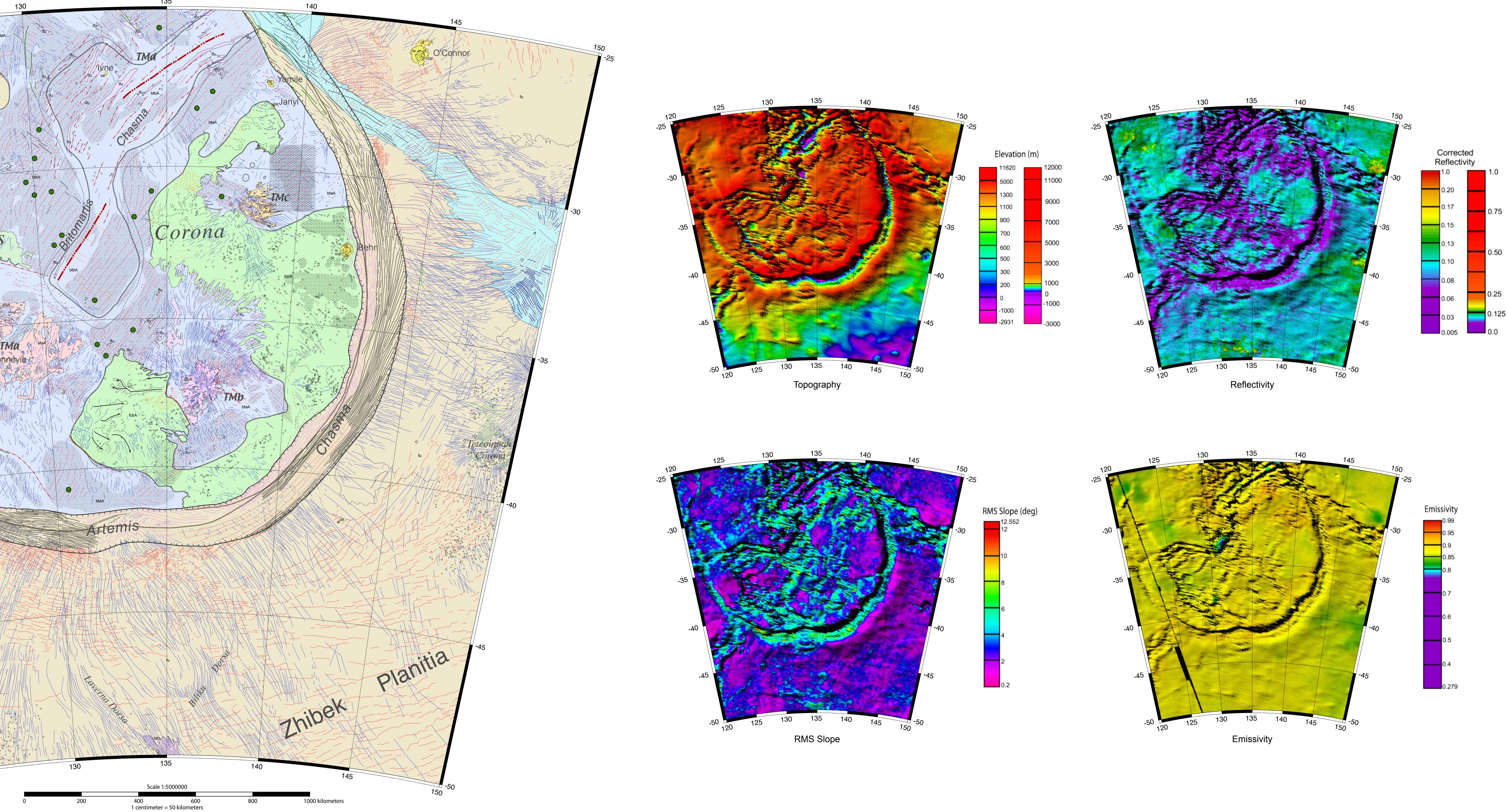


Plate 1. Geologic map of the Artemis Corona Quadrangle (V-48), Venus