

Metadata listed in Table 1.

The compressed folder contains 2 subfolders:

- 1) Map: this folder contains the crop of the CTX Mosaic used as a basemap, the geodatabase with the vectors (the style is already applied) of the map and the QGIS project (Fig. 1 for the map)
- 2) CRISM: this folder contains two subfolders, one containing rasters of the RGB composites and spectral indexes of the CRISM cubes available in Arsinoes Chaos, the other one containing the processed CRISM cubes and summary products.

Field	Field description (and example entries)
Map name (PM_ID)	PM-MAR-MS-Arsinoes_01
Target body	Mars
Title of map	Geological Map of Arsinoes and Pyrrhae Chaos, Mars
Bounding box - Min Lat	-12
Bounding box - Max Lat	-5.8
Bounding box - Min Lon (0-360)	329.7
Bounding box - Max Lon (0-360)	334.5
Author(s)	E. Luzzi, A.P. Rossi, C. Carli, F. Altieri
Output scale	1:3.000.000
Original Coordinate Reference System	Projected Coordinate System: Equirectangular Projection: Plate_Carree false_easting: 0.00000000 false_northing: 0.00000000 central_meridian: 0.00000000 Linear Unit: Meter Geographic Coordinate System: GCS_Geographic_Coordinate_System Datum: D_MARS Prime Meridian: Reference Meridian Angular Unit: Degree

Data used	MOLA Elevation Model MEGDR (463 m/pixel) CTX mosaic by MurrayLab CTX DTM (18 m) HiRISE RED (0,25 m/pixel)
Standards adhered to	Planmap mapping standards document
DOI	
Aims (one sentence)	Morpho-stratigraphic mapping
Short description	This map shows the contacts between the disrupted bedrock of the Chaotic terrain Units and the overlying sedimentary units. In addition, it shows the distribution of the graben/fissures and pit chains that are probably related to an intense past of magmatic activity. In order to better characterize the mineralogical characteristics of the occurring deposits, also spectral analyses were performed on CRISM data.
Units Definition	Post-collapse craters, PCC, 51-160-44 Cap Unit, CAP, 182-162-255 Light-toned Layered deposits units, LLD, 77-205-255 High Thermal Inertia Chaotic terrain, ChH, 227-28-28 Knobby Terrain, ChK, 255-127-0 Fractured Plains, ChF, 255-238-3
Heritage used	Glotch and Christensen (2005)

Table 1: metadata of the mapping project.

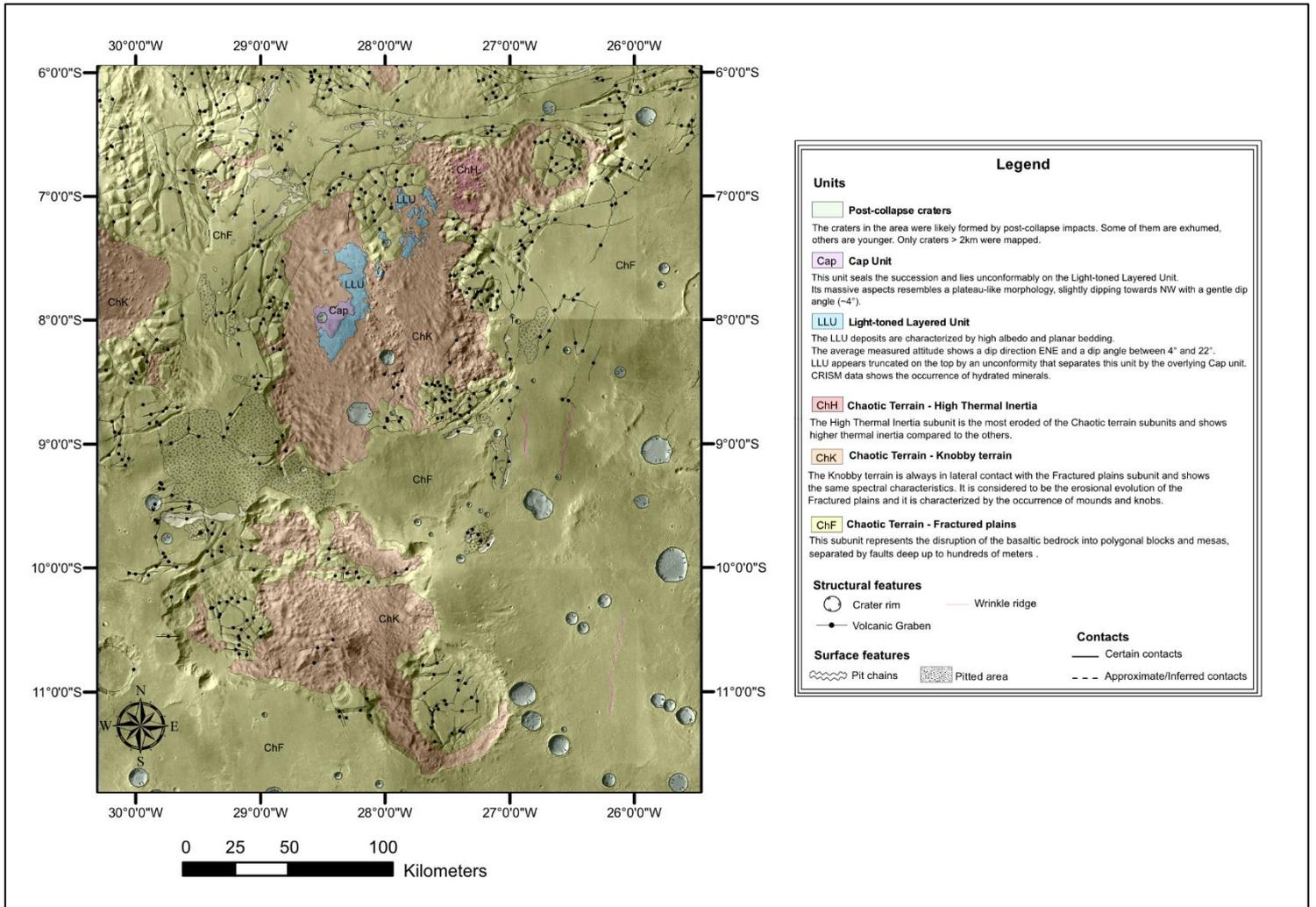


Fig. 1: morpho-stratigraphic map of Arsinoes and Pyrrhae Chaos