
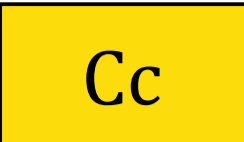








Description of Map Units

Materials of Primary Impact Craters and Their Secondary Craters

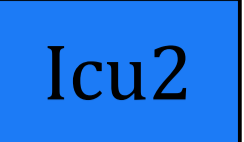




Copernican Crater Materials

	Ccu - CENTRAL PEAK in crater Schomberger A
	Cc - CRATER INTERIORS. Floor and inner walls of crater Schomberger A
	Cse - EJECTED MATERIAL from crater. Rough-textured contiguous ejecta of crater Schomberger A
	Csc - EJECTED MATERIAL, SATELLITIC AND SECONDARY CRATERS of crater Schomberger A






Eratosthenian Crater Materials

	Ec - CRATER INTERIORS. Interiors of sharp-crested, bowl-shaped craters; interpreted as Eratosthenian in age
	Ese - EJECTED MATERIAL. Contiguous ejecta with subdued morphology at Eratosthenian craters
	Esc - EJECTED, SATELLITIC AND SECONDARY CRATERS of Eratosthenian craters
	Ecl - CRATER ARCUATE-LOBATE SCARPS. Lobate scarps inside some Eratosthenian craters. <i>Interpretation:</i> materials of landslide formed by surface manifestation of listric faulting






Upper Imbrian Crater Materials

	Icu2 - CENTRAL PEAK AND PEAK RING of flat-floored large craters
	Ic2 - CRATER INTERIORS. Floor and inner terraced rim for large craters, or sharp rim and typically bowl shape for small-size craters; interpreted as Upper Imbrian age based on correlation of the absolute model ages and morphology
	Ise2 - EJECTED MATERIAL. Contiguous ejecta of Upper Imbrian craters
	Isc2 - EJECTED, SATELLITIC AND SECONDARY CRATERS of Upper Imbrian craters, mainly for large craters
	Icl2 - CRATER ARCUATE-LOBATE SCARPS. Lobate scarps inside some Upper Imbrian craters. <i>Interpretation:</i> materials of slumps/landslides formed by surface manifestation of listric faulting




Lower Imbrian Crater Materials

	Icu1 - CENTRAL PEAK in crater Moretus
	Ic1 - CRATER INTERIORS Floor and inner terraced rim or bowl-shaped interiors of Lower Imbrian craters; interpreted as Lower Imbrian age based on correlation of the absolute model ages and morphology
	Ise1 - EJECTED MATERIAL. Contiguous ejecta of Lower Imbrian craters
	Isc1 - EJECTED, SATELLITIC AND SECONDARY CRATERS of Lower Imbrian craters, typical for large craters
	Icl1 - CRATER ARCUATE-LOBATE SCARPS. Lobate scarps inside some Lower Imbrian craters. <i>Interpretation:</i> materials of slumps/landslides formed by surface manifestation of listric faulting

Nectarian Crater Materials

	Ncu - CENTRAL PEAK AND PEAK RING of flat-floored large craters
	Nc - CRATER INTERIORS. Floor and inner terraced rim of flat-floored craters; interpreted as Nectarian in age based on correlation of the absolute model ages and morphology
	Nse - EJECTED MATERIAL. Contiguous ejecta of Nectarian craters
	Nsc - EJECTED, SATELLITIC AND SECONDARY CRATERS of Nectarian craters
	Ncl - CRATER ARCUATE-LOBATE SCARPS. Lobate scarps inside some Upper Imbrian craters. <i>Interpretation:</i> materials of slumps/landslides formed by surface manifestation of listric faulting




pre-Nectarian Crater Materials

	pNcu - PEAK RING of highly degraded flat-floored craters
	pNc - CRATER INTERIORS. Floor and inner terraced rim of highly degraded and flat-floored pre-Nectarian craters; interpreted as pre-Nectarian in age based on correlation of the absolute model ages and morphology
	pNse - EJECTED MATERIAL. Highly degraded ejecta of the pre-Nectarian craters

Materials with Undifferentiated Age

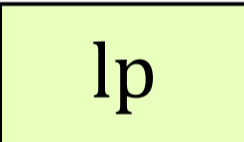



	sc - SATELLITIC AND SECONDARY CRATERS. Clusters and chains of secondary craters of different ages excluding material of Orientale basin
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Basin Materials








	Ioc - MATERIAL OF ORIENTALE-BASIN. Smooth light plains, clusters and chains of secondary craters that point toward the Orientale basin. <i>Interpretation:</i> Ejecta of the Orientale basin
	SPA - SOUTH POLE-AITKEN MASSIFS. Isolated, high-standing massifs with steep slopes that lack overlapping ejecta. <i>Interpretation:</i> exposed remnants of the rim of the South Pole-Aitken basin
	pNmb - BASIN MATERIAL. Morphologically homogenous hummocky/rugged surfaces with fragments of rims of ancient impact structures. <i>Interpretation:</i> remnants of pre-Nectarian – Nectarian craters and basins

Plains Materials

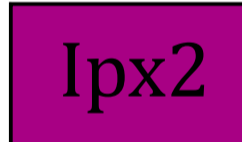


Light Plains

	lp - LIGHT PLAINS. Light-toned, smooth and/or cratered plains that occur in craters and in the intercrater space, undifferentiated. <i>Interpretation:</i> deposits of finer-grain ejecta of remote craters and basins
	llp2 – LIGHT PLAINS. Light-toned, smooth and/or cratered plains that occur in craters and in the intercrater space; interpreted as Upper Imbrian age based on correlation of the absolute model ages and morphology. <i>Interpretation:</i> deposits of finer-grain ejecta of remote craters and basins
	llp1 – LIGHT PLAINS. Light-toned, smooth and/or cratered plains that occur in craters and in the intercrater space; interpreted as Lower Imbrian age based on correlation of the absolute model ages and morphology. <i>Interpretation:</i> deposits of finer-grain ejecta of remote craters and basins
	Nlp - LIGHT PLAINS. Light-toned, smooth and/or cratered plains that occur in craters and in the intercrater space; interpreted as pre-Nectarian - Nectarian age based on correlation of the absolute model ages and morphology. <i>Interpretation:</i> deposits of finer-grain ejecta of remote craters and basins

In Crater Dark Plains




	Cmrp – IN CRATER LIGHT-TONED PLAINS. Morphologically rough plains on the floor of crater Schomberger A. <i>Interpretation:</i> impact melt materials
	Imrp2 – IN CRATER LIGHT-TONED PLAINS. Morphologically rough plains on the floor of crater Hale; absolute model ages 3.68 +0.02/-0.023 Ga. <i>Interpretation:</i> impact melt materials
	Imsp2 - IN CRATER LIGHT-TONED PLAINS. Morphologically smooth plains on the floor of crater Hale; absolute model ages 3.68 +0.02/-0.023 Ga. <i>Interpretation:</i> impact melt materials
	Imrp1 - IN CRATER LIGHT-TONED PLAINS. Morphologically rough plains on the floor of crater Moretus; absolute model ages 3.75 +0.014/-0.015 Ga. <i>Interpretation:</i> impact melt materials
	Imsp1 - IN CRATER LIGHT-TONED PLAINS. Morphologically smooth plains on the floor of crater Moretus; absolute model ages 3.75 +0.014/-0.015 Ga. <i>Interpretation:</i> impact melt materials
	Nmrp - IN CRATER LIGHT-TONED PLAINS. Morphologically rough plains on the floor of large Nectarian craters. <i>Interpretation:</i> impact melt materials
	Nmosp - IN CRATER LIGHT-TONED PLAINS. Morphologically smooth plains on the floor of large Nectarian craters. <i>Interpretation:</i> impact melt materials

Dark Plains

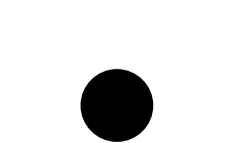
	Ipx2 – DARK PLAINS. Dark mantling deposits with diffuse boundaries, sparsely-cratered and formed by smooth material, in spatial association with pits and graben in the Schrödinger basin; absolute model ages 3.72 +0.030/-0.038 Ga. <i>Interpretation:</i> deposits of mare pyroclastic materials
	Ilv2 - DARK PLAINS. Smooth plains of darker tone with boundaries clearly seen deformed by wrinkle ridges, highlighted by elevated concentrations of FeO and high-Ca pyroxene in Kaguya data (Lemelin et al., 2022). Localized on the floor of Antoniadi crater; 3.46 +0.020/-0.023 Ga. <i>Interpretation:</i> plains formed by basaltic lava flows
	Ilv1 - DARK PLAINS. Smooth plains of darker tone with boundaries clearly seen; deformed by wrinkle ridges, highlighted by elevated concentrations of FeO and high-Ca pyroxene in Kaguya data (Lemelin et al., 2022). Localized on the floor of Schrödinger basin; 3.84 +0.027/-0.033 Ga. <i>Interpretation:</i> plains formed by basaltic lava flows

Linear Structures, Point Features and Contacts

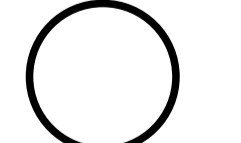

Linear Structures

	gr - GRABENS. System of linear groves. <i>Interpretation:</i> System of grabens possibly formed above magmatic dikes in Schrödinger basin, or due to intrusion and floor uplift. Floor in pre-Nectarian crater (356°E 82.8°S) and lower Imbrian Moretus craters also display grooves, but show no signs of volcanic activity
	gr - WRINKLE RIDGES. System of linear uplifted features. <i>Interpretation:</i> Tectonic forms caused by volcanic activity in Schrödinger basin
	ls - LOBATE SCARPS. Scarps, mapped in four localities; features less than ~35 km long. <i>Interpretation:</i> Tectonic scarps, possible evidence of young tectonic activity in the lunar crust

Point Features

	SMALL CRATER. Small endogenic crater. <i>Interpretation:</i> Summit depression that is thought to be the source of pyroclastic materials (Schrödinger G)
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Contacts

	Solid contact line. Show certain border of the unit
	Dashed contact line. Show approximate border of the unit