

List of mountains on Mars

This is a list of all named mountains on Mars.

Most mountains have a name including one of the following elements:

- *Mons*: a large, isolated, mountain.
- *Montes*, plural of *mons*: a mountain range.
- *Tholus*: a small dome-shaped mountain.
- *Tholi*, plural of *tholus*: a group of (usually not contiguous) small mountains.
- *Dorsa*, plural of *dorsum*: a long low range. Not included.

Mountain Name	Coordinates	Feature diameter (kilometers)	Peak elevation (kilometers)
<u>Aeolis Mons (unofficially, "Mount Sharp")</u> ^{[1][2][3][4]}	<u>5.08°S 137.85°E</u>	89	5.5
<u>Alba Mons</u>	<u>41.1°N 249.3°E</u>	548	6.8
<u>Albor Tholus</u>	<u>18.87°N 150.47°E</u>	170	4.5
<u>Anseris Mons</u>	<u>29.81°S 86.65°E</u>	58	4.2
<u>Aonia Mons</u>	<u>53.3°N 272.1°E</u>	27	
<u>Aonia Tholus</u>	<u>59.0°S 280.0°E</u>	54	
<u>Apollinaris Mons</u>	<u>9.2°S 174.8°E</u>	275	5.0
<u>Apollinaris Tholus</u>	<u>64°S 175.75°E</u>	33	3.2
<u>Argyre Mons</u>	<u>50.4°S 311.9°E</u>	61	
<u>Arsia Mons</u>	<u>8.4°S 239.91°E</u>	475	20.0
<u>Ascræus Mons</u>	<u>11.92°N 255.92°E</u>	460	18.2
<u>Ausonia Montes</u>	<u>25.42°S 99.04°E</u>	158	1.4
<u>Australe Montes</u>	<u>80.19°S 14.05°E</u>	387	5.0
<u>Biblis Tholus</u>	<u>2.5°N 235.6°E</u>	169	3.0
<u>Centauri Montes</u>	<u>38.67°S 95.52°E</u>	270	1.4
<u>Ceraunius Tholus</u>	<u>24.25°N 262.75°E</u>	130	7.5
<u>Cerberus Tholi</u>	<u>4.5°N 164.4°E</u>	698	
<u>Chalce Montes</u>	<u>53.72°S 322.35°E</u>	95	2.3
<u>Charitum Montes</u>	<u>58.1°S 319.71°E</u>	850	2.5
<u>Chronius Mons</u>	<u>61.5°S 178.0°E</u>	56	
<u>Coprates Montes</u>	<u>13°S 294.6°E</u>	350	
<u>Coronae Montes</u>	<u>34.31°S 86.11°E</u>	236	
<u>E. Mareotis Tholus</u>	<u>36.24°N 274.87°E</u>	5.0	0.6
<u>Echus Montes</u>	<u>7.81°N 282.05°E</u>	395	
<u>Electris Mons</u>	<u>45.7°S 152.7°E</u>	105	
<u>Eridania Mons</u>	<u>57.0°S 137.9°E</u>	143	
<u>Elysium Mons</u>	<u>25.02°N 147.21°E</u>	410	13.9
<u>Erebus Montes</u>	<u>35.66°N 185.2°E</u>	785	
<u>Euripus Mons</u>	<u>44.82°S 105.18°E</u>	91	4.5
<u>Galaxius Mons</u>	<u>34.76°N 142.31°E</u>	22	
<u>Geryon Montes</u>	<u>7.72°S 278.38°E</u>	359	2.3
<u>Gonnus Mons</u>	<u>41.21°N 269.12°E</u>	57	2.9
<u>Hadriacus Mons</u>	<u>31.29°S 91.86°E</u>	450	
<u>Hecates Tholus</u>	<u>32.42°N 150.24°E</u>	183	4.7
<u>Hellas Montes</u>	<u>37.63°S 97.61°E</u>	153	1.3
<u>Hellespontus Montes</u>	<u>44.37°S 42.76°E</u>	730	

Mountain Name	Coordinates	Feature diameter (kilometers)	Peak elevation (kilometers)
<u>Hibes Montes</u>	<u>3.79°N 171.34°E</u>	137	
<u>Horarum Mons</u>	<u>51.05°S 323.44°E</u>	20	
<u>Issedon Tholus</u>	<u>36.38°N 265.17°E</u>	52	0.8
<u>Jovis Tholus</u>	<u>18.41°N 242.59°E</u>	58	3.0
<u>Labeatis Mons</u>	<u>37.48°N 284.14°E</u>	22.5	1.9
<u>Libya Montes</u>	<u>1.44°N 88.23°E</u>	1,170	2.1
"Mount Sharp" (officially, <u>Aeolis Mons</u>) ^{[1][2][3][4]}	<u>5.08°S 137.85°E</u>	89	5.5
<u>N. Mareotis Tholus</u>	<u>36.7°N 273.79°E</u>	3.0	0.8
<u>Nectaris Montes</u>	<u>14.6°S 305.4°E</u>	220	
<u>Nereidum Montes</u>	<u>37.57°S 316.79°E</u>	1,130	1.9
<u>Nia Tholus</u>	<u>6.6°S 285.1°E</u>	34	
<u>Nili Tholus</u>	<u>9.2°N 67.4°E</u>	7	
<u>Oceanidum Mons</u> (formerly <u>Charitum Tholus</u>)	<u>55.2°S 41.3°E</u>	33	
<u>Octantis Mons</u>	<u>54.93°S 318.77°E</u>	19	
<u>Olympus Mons</u> (largest known mountain in <u>Solar System</u>)	<u>18.65°N 226.2°E</u>	648	27.0
<u>Pavonis Mons</u>	<u>1.48°N 247.04°E</u>	375	14.0
<u>Peraea Mons</u>	<u>31.08°S 86.11°E</u>	21.5	
<u>Phlegra Montes</u>	<u>40.4°N 163.71°E</u>	1,350	
<u>Pindus Mons</u>	<u>39.47°N 271.48°E</u>	16.5	1.1
<u>Promethei Mons</u>	<u>70.6°S 87.4°E</u>	65.2	
<u>Scandia Tholi</u>	<u>74.09°N 201.28°E</u>	480	
<u>Sirenum Mons</u>	<u>38.2°S 212.2°E</u>	123	
<u>Sirenum Tholus</u>	<u>34.6°S 215.2°E</u>	54	
<u>Sisyphi Montes</u>	<u>69.65°S 13.08°E</u>	200	
<u>Sisyphi Tholus</u>	<u>75.7°S 341.5°E</u>	28	2.1
<u>Syria Mons</u>	<u>13.92°S 104.3°E</u>	80	6.7
<u>Tanaica Montes</u>	<u>39.55°N 269.17°E</u>	177	
<u>Tartarus Montes</u>	<u>15.46°N 167.54°E</u>	1,070	
<u>Tharsis Montes</u>	<u>1.57°N 247.42°E</u>	1,840	
<u>Tharsis Tholus</u>	<u>13.41°N 269.31°E</u>	158	9.0
<u>Thyles Montes</u>	<u>69.9°S 126.5°E</u>	380	
<u>Tyrrhenus Mons</u> (Tyrrhena Mons)	<u>21.63°S 105.88°E</u>	143	
<u>Ulysses Tholus</u>	<u>3.0°N 238.5°E</u>	102	
<u>Uranus Mons</u>	<u>26.9°N 267.9°E</u>	265	4.9

Mountain Name	Coordinates	Feature diameter (kilometers)	Peak elevation (kilometers)
<u>Uranius Tholus</u>	<u>26.52°N 262.43°E</u>	62	4.3
<u>W. Mareotis Tholus</u>	<u>35.88°N 272.04°E</u>	12.0	1.3
<u>Xanthe Montes</u>	<u>18.13°N 305.08°E</u>	500	
<u>Zephyria Tholus</u>	<u>19.96°S 172.92°E</u>	30.5	2.8

See also

- List of craters on Mars
- List of mountains on Mars by height
- List of tallest mountains in the Solar System

References

- USGS (16 May 2012). "Three New Names Approved for Features on Mars" (<https://web.archive.org/web/20120728141903/http://astrogeology.usgs.gov/HotTopics/index.php?%2Farchives%2F447-Three-New-Names-Approved-for-Features-on-Mars.html>). USGS. Archived from the original (<https://astrogeology.usgs.gov/HotTopics/index.php?/archives/447-Three-New-Names-Approved-for-Features-on-Mars.html>) on 28 July 2012. Retrieved 29 May 2012.
- NASA Staff (27 March 2012). "'Mount Sharp' on Mars Compared to Three Big Mountains on Earth" (http://www.nasa.gov/mission_pages/msl/multimedia/pia15292-Fig2.html). NASA. Retrieved 31 March 2012.
- Agle, D. C. (28 March 2012). "'Mount Sharp' On Mars Links Geology's Past and Future" (http://www.nasa.gov/mission_pages/msl/news/msl20120328.html). NASA. Retrieved 31 March 2012.
- Staff (29 March 2012). "NASA's New Mars Rover Will Explore Towering 'Mount Sharp' " (<http://www.space.com/15097-mars-mountain-sharp-curiosity-rover.html>). Space.com. Retrieved 30 March 2012.

External links

- Mars features database distributed with xephem v3.3 (http://stuff.mit.edu/afs/athena/project/xephem/ib/auxil/mars_db) (Warning, it uses West coordinates, and table should be in East coordinates)
- IAU, USGS: Martian system nomenclature (<http://planetarynames.wr.usgs.gov/Page/MARS/target>)
- IAU, USGS: Mars nomenclature: mountains (planetocentric east longitude) (<http://planetarynames.wr.usgs.gov/SearchResults?target=MARS&featureType=Mons,%20montes>)
- IAU, USGS: Mars nomenclature: tholus (planetocentric east longitude) (<http://planetarynames.wr.usgs.gov/SearchResults?target=MARS&featureType=Tholus,%20tholi>)
- Peter Grego, Mars and how to Observe it (<https://books.google.com/books?id=A3IMq5TTRP4C&pg=PA63#v=onepage&q&f=false>) (List of elevations of named Martian mountains)

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