

## **WORKING GROUP ON PLANETARY SYSTEM NOMENCLATURE**

*(GROUPE DE TRAVAIL POUR LA NOMENCLATURE DU SYSTEME  
PLANETAIRE)*

**PRESIDENT: Kaare Aksnes**

**ORGANIZING COMMITTEE: G.A. Burba, D.P. Cruikshank, M.Ya. Marov,  
B.G. Marsden, T.C. Owen, V.V. Shevchenko, B.A. Smith**

**CONSULTANTS: J. Blue, J. Blunck, L. Gaddis, P. Masson, M. Robinson**

### **1. Attendance**

The WGPSN met in one public session with 4 of the members present (Aksnes, Cruikshank, Marsden and Owen) during the XXVth IAU General Assembly in Sydney, Australia in July 2003. Apologies had been received from the other 4 members and 5 consultants named above. In attendance were also 6 members of the Mercury, Venus and Small Bodies Task Groups, the incoming Division III President (I. Williams) and 6 others representing CSBN, the satellite discoverers and the WG on extrasolar planets.

### **2. Satellite Nomenclature**

Fully 35 satellites (22 at Jupiter, 12 at Saturn and 1 at Uranus, see list below) have been named in the last triennium. The number of known planetary satellites now stands at 101, with almost 30 additional satellites pending recovery and naming. The CCD technology has made it possible to discover satellites down to 1 km in size. At some time in the future it may be advisable to stop naming very small satellites. The greatly increased discovery rate of satellites has made it necessary to extend the existing name categories for the satellites of Jupiter and Saturn whose names are drawn from the Greco-Roman mythology. The Jovian satellites have previously been named for Zeus/Jupiter's lovers and favorites but now Zeus descendants are also included as an allowable source of names. The satellites of Saturn have so far been named for the Greco-Roman Titans (7), descendants of the Titans (8), Giants (2) and the Roman god of the beginning (1). In order to internationalize the names, we now also allow names of giants and monsters in other mythologies (so far Gallic, Inuit and Norse).

WGPSN has been responsible for naming satellites of asteroids also, but it has now been agreed that CSBN should take over this role in consultation with WGPSN.

### **3. Mercury, Titan and Lunar Nomenclature**

Imaging with the Arecibo, Goldstone and VLA radio telescopes has detected craters around the north and south poles of Mercury, some of which are in permanent shadow and probably contain water ice. There is interest in the radar communities for naming some of these features. NASA's MESSENGER mission and ESA's BepiColombo mission to Mercury, scheduled for launch in 2004 and 2009, also make it desirable to review the Mercury nomenclature. No new names on Mercury have been proposed at this GA.

Titan experts have expressed an interest in naming some large surface markings seen in images of the satellite taken with the Hubble telescope in 1994. The Huygens probe on the Cassini spacecraft is due to land on Titan in January 2005. One key goal is to determine whether the surface of Titan is liquid or solid. It may therefore be prudent to wait for the results from the Huygens probe before assigning names on features that may prove to be transient.

There has been strong support from NASA and other communities for naming seven craters on the Moon for the seven astronauts who perished during the tragic disaster of the Columbia Space Shuttle on 1 February 2003. There is a precedent to name craters in the vicinity of the crater Apollo on the far side on the Moon to honor deceased astronauts; however, according to the established rules of WGPSN, a person must have been dead for at least three years before his or her name can be assigned on a planetary body. An interesting alternative proposal for craters for the seven Columbia astronauts has been received but this has not yet been reviewed by the Lunar Task Group.

#### 4. WGPSN Members (2003 - 2006)

CHAIRMAN: K. Aksnes (Norway)

MEMBERS: G.A. Burba (Russia), G. Consolmagno (Vatican), M.Ya. Marov (Russia), B.G. Marsden (USA), T.C. Owen (USA), R. Schulz (Netherlands), V.V. Shevchenko (Russia), B.A. Smith (USA), I. Williams (UK)

CONSULTANTS: J. Blue (USA), J. Blunck (Germany), L. Gaddis (USA), P. Masson (France), M. Robinson (USA)

#### 5. New Nomenclature

The following nomenclature (35 names for satellites of Jupiter, Saturn and Uranus and 216 names on surface features on Eros, Europa, Io, Mars and Venus) has final approval by the XXVth IAU General Assembly:

### SATELLITES

#### SATELLITES OF JUPITER

Temp. des.	Permanent des.	Name	Description
S/1999 J 1	Jupiter XVII	Callirrhoe	Stepdaughter of Zeus/Jupiter
S/1975 J 1	Jupiter XVIII	Themisto	Conquest of Zeus
S/2000 J 8	Jupiter XIX	Megaclite	Conquest of Jupiter
S/2000 J 9	Jupiter XX	Taygete	Conquest of Zeus
S/2000 J 10	Jupiter XXI	Chaldene	Conquest of Zeus
S/2000 J 5	Jupiter XXII	Harpalyke	Conquest of Zeus
S/2000 J 2	Jupiter XXIII	Kalyke	Conquest of Zeus
S/2000 J 3	Jupiter XXIV	Iocaste	Conquest of Jupiter
S/2000 J 4	Jupiter XXV	Erinome	Conquest of Jupiter
S/2000 J 6	Jupiter XXVI	Isonoe	Conquest of Zeus
S/2000 J 7	Jupiter XXVII	Praxidike	Conquest of Zeus
S/2001 J 1	Jupiter XXVIII	Autonoe	Conquest of Zeus/Jupiter
S/2001 J 2	Jupiter XXIX	Thyone	Conquest of Zeus/Jupiter
S/2001 J 3	Jupiter XXX	Hermippe	Conquest of Zeus
S/2001 J 11	Jupiter XXXI	Aitne	Conquest of Zeus
S/2001 J 4	Jupiter XXXII	Eurydome	Conquest of Zeus
S/2001 J 7	Jupiter XXXIII	Euanthe	Conquest of Zeus

S/2001 J 10	Jupiter XXXIV	Euporie	Daughter of Jupiter
S/2001 J 9	Jupiter XXXV	Orthosie	Daughter of Jupiter
S/2001 J 5	Jupiter XXXVI	Sponde	Daughter of Jupiter
S/2001 J 8	Jupiter XXXVII	Kale	Daughter of Zeus
S/2001 J 6	Jupiter XXXVIII	Pasithee	Daughter of Zeus

## SATELLITES OF SATURN

Temp. des.	Permanent des.	Name	Description
S/2000 S 1	Saturn XIX	Ymir	Norse giant
S/2000 S 2	Saturn XX	Paaliaq	Inuit giant
S/2000 S 4	Saturn XXI	Tarvos	Gallic giant
S/2000 S 6	Saturn XXII	Ijiraq	Inuit giant
S/2000 S 12	Saturn XXIII	Suttungr	Norse giant
S/2000 S 5	Saturn XXIV	Kiviuq	Inuit giant
S/2000 S 9	Saturn XXV	Mundilfari	Norse giant
S/2000 S 11	Saturn XXVI	Albiorix	Gallic giant
S/2000 S 8	Saturn XXVII	Skathi	Norse giantess
S/2000 S 10	Saturn XXVIII	Erriapo	Gallic giant
S/2000 S 3	Saturn XXIX	Siarnaq	Inuit giant
S/2000 S 7	Saturn XXX	Thrymr	Norse giant

Note: Gallic, Inuit and Norse names identify three different orbit inclination groups.

## SATELLITES OF URANUS

Temp. des.	Permanent des.	Name	Description
S/2001 U 1	Uranus XXI	Trinculo	Character in Shakespeare's <i>The Tempest</i>

## CRATER

## SURFACE FEATURES

## (433) EROS

## CRATER

Name	LAT	LON	Size (km)	Description
Abelard	3.5S	12.2W	1.1	Peter; French philosopher, lover of Heloise (1079-1142).
Aida	7.9N	130.5W	1.6	Ethiopian slave, beloved of Egyptian officer Radames in Verdi's opera "Aida" (Italy, 1870).
Avtandil	22.5S	233.1W	1.2	Lover of princess Tinatin in Shota Rustaveli's novel "Knight in tiger-skin" (Georgia, 12th century).
Bovary	61.0S	27.3W	0.8	Emma; romantic heroine of Flaubert's novel "Madame Bovary" (France, 1857).
Casanova	46.6N	236.0W	0.9	Giovanni; Italian adventurer, lover and author (1725-1798)

Catherine	9.1N	171.1W	1.1	Tragic lover of Heathcliff in Emily Brontë's novel "Wuthering Heights" (England, 1847).
Cupid	8.1N	230.2W	1.8	Roman god of love, equivalent of Eros.
Don Juan	29.5N	356.7W	1.1	Lover, character of medieval European legend retold in Moliere's "Don Juan" (France, 1665).
Don Quixote	57.7S	250.8W	0.9	Knight-errant, imagined Dulcinea as his lady-love in Cervantes' "Don Quixote" (Spain, 1605).
Dulcinea	76.1S	272.9W	1.4	Imaginary lady-love of the knight Don Quixote in Cervantes' "Don Quixote" (Spain, 1605).
Eurydice	13.5N	170.0W	2.2	In Greek mythology, wife of singer Orpheus, who fails to bring her from Hades.
Fujitsubo	3.7S	62.7W	1.7	Lover of prince Genji in "The Tale of Genji" by Murasaki
Galatea	10.2S	183.1W	1.4	Sikibu, first modern novel (Japan, c. 1000). Woman in Greek mythology, brought to life from statue by Pygmalion, legendary king of Cyprus.
Gamba	20.6S	54.1W	1.3	Marina; companion of astronomer Galileo Galilei (Italy, 17th century).
Genji	19.5S	88.6W	1.5	Prince, lover of Fujitsubo in "The Tale of Genji" by Murasaki Sikibu (Japan, c.1000).
Heathcliff	7.4N	167.9W	1.1	Tragic lover of Catherine in Emily Brontë's novel "Wuthering Heights" (England, 1847).
Himeros	21.2N	282.3W	10.0	Attendant of Eros; personification of the longing of love in Greek mythology.
Hios	9.4S	130.9W	1.3	Love child of Poseidon and Hiona in Greek mythology; also island (Chios) in the Aegean Sea.
Jahan	74.2N	293.5W	2.1	Shah; Mogul emperor, built Taj Mahal in Agra, India for wife Mumtaz Mahal (1592-1666).
Kastytis	6.8N	161.3W	1.7	Lithuanian blacksmith, lover of sea goddess Jurate; taken by her to the sea floor.
Leander	25.6N	210.3W	1.4	Lover of Hero, swam to her across Hellespont every night and drowned; in despair, Hero drowned herself.
Leylie	3.0S	23.5W	1.9	Majnoon's lover in "Leylie and Majnoon" poems by Jami and Navoi (Khorasan, 1480s).
Lolita	35.2S	197.7W	1.8	Young girl from V. Nabokov's novel "Lolita" (USA, 1955).
Mahal	79.4N	170.0W	1.2	Mumtaz; Mogul empress; favorite wife of Shah Jahan, who built Taj Mahal (1592-1631).
Majnoon	3.8N	28.8W	2.1	Leylie's lover in "Leylie and Majnoon" poems by Jami and Navoi (Khorasan, 1480s).
Mélisande	67.1N	185.6W	1.0	Wife of Prince Golaud and lover of his half-brother, Pelléas, in Maeterlinck drama (Belgium, 1892).
Narcissus	18.2N	7.1W	2.9	Young man from Greek mythology who fell in love with his own reflection in water.

Orpheus	25.6N	176.7W	1.1	Singer and musician in Greek mythology; fails to bring his love Eurydice from Hades.
Pao-yü	73.2S	105.6W	0.8	Lover of Tai-yü in novel by Ts'ao Chan (China, 18th century; also "Dream of the Red Chamber", 1929).
Pelléas	63.1N	221.3W	1.2	Beloved of Mélisande in Maeterlinck drama (Belgium 1892).
Psyche	31.6N	94.6W	4.8	Beloved of Eros; personification of human soul in Greek mythology.
Pygmalion	1.8S	191.1W	1.7	King of Cyprus; carved statue of woman brought to life as Galatea, whom he married.
Radames	5.2S	115.1W	1.6	Egyptian officer, beloved of Ethiopian slave Aida in Verdi's opera "Aida" (Italy, 1870).
Selene	14.2S	12.5W	3.6	Moon goddess in Greek mythology, lover of Endymion.
Tai-yü	47.0S	126.1W	1.4	Maiden loved by Pao-yü in novel by Ts'ao Chan (China, 18th century; also "Dream of the Red Chamber", 1929).
Tutaneikai	56.4N	3.3W	2.1	Maori hero, beloved of young maiden Hinemoa who swam across Lake Rotorua to marry him.
Valentine	14.6N	208.4W	2.2	After St. Valentine's day (principally Roman) for all lovers.

## DORSUM

Name	LAT	LON	Size (km)	Description
Finsen Dorsum	48.0S	350.0W	0.0	William S.; South African astronomer, detected Eros' elongated shape (1905-1979).
Hinks Dorsum	42.0N	318.0W	0.0	Arthur Robert; English astronomer, first used Eros for solar parallax (1873-1945).

## REGIO

Name	LAT	LON	Size (km)	Description
Charlois Regio	16.0S	330.0W	0.0	Auguste Honore Pierre; astronomer, independent discoverer of Eros (1864-1910).
Witt Regio	18.0N	348.0W	0.0	Carl Gustav; German astronomer, first discoverer of Eros (1866-1946).

## EUROPA (Jupiter II)

## CHAOS

Name	LAT	LON	Size (km)	Description
Murias Chaos	22.4N	83.8W	116.0	One of the four great cities of the Tuatha Dé Danann (the people of the goddess Danu, the wizards) in Irish Celtic myths.

## LINEA

Name	LAT	LON	Size (km)	Description
Butterdon Linea	44.7S	0.1W	1900.0	Stone row in England.
Corick Linea	17.8N	18.3W	1300.0	Stone row in Ireland.
Drizzlecomb Linea	7.7N	111.7W	1500.0	Stone row in England.
Drumskinny Linea	48.3N	161.0W	1375.0	Stone row in Ireland.
Euphemus Linea	11.4S	45.7W	1250.0	In Greek mythology, son of Europa and Poseidon who could walk on water.
Glaukos Linea	57.8N	230.9W	1400.0	Son of Minos in Greek mythology.
Kennet Linea	41.0S	312.0W	3200.0	Stone row in England.
Mehen Linea	56.0N	236.7W	1500.0	Stone row in Brittany, France.
Merrivale Linea	41.0S	299.5W	1600.0	Stone row in England.
Sharpitor Linea	65.4N	171.7W	1650.0	Stone row in England.
Sparti Linea	59.3N	245.5W	1600.0	In Greek mythology, warriors who sprouted from the dragon's teeth sewn by Athene, ancestors of the Thebans.
Staldon Linea	0.8S	27.4W	1525.0	Stone row in England.
Tormsdale Linea	47.7N	258.0W	875.0	Stone row in Ireland.
Udaeus Linea	48.6N	239.4W	2050.0	In Greek mythology, survivors of the men Cadmus sowed with dragon's teeth.

## MACULA

Name	LAT	LON	Size (km)	Description
Castalia Macula	1.6S	225.7W	35.0	Greek; spring where Cadmus, brother of Europa, killed the dragon.

## REGIO

Name	LAT	LON	Size (km)	Description
Argadnel Regio	14.6S	208.5W	1900.0	In Greek mythology, one of the islands of Earthly paradise seen during Bran's voyage.

## IO (Jupiter I)

## FLUCTUS

Name	LAT	LON	Size (km)	Description
Sobo Fluctus	14.0N	150.0W	250.0	Haitian voodoo thunder spirit.
Tsüi Goab Fluctus	0.2S	163.3W	83.0	Hottentot (southern Africa) supreme being, associated with thunder.

## PATERA

Name	LAT	LON	Size (km)	Description
Ababinili Patera	12.6N	141.8W	103.2	Chickasaw (Muskogee, Southeastern U.S.) fire and sun god.
Balder Patera	11.3N	155.8W	43.7	Norse god of light.
Grannos Patera	10.9N	145.0W	42.8	Gaulish sun god.
Mentu Patera	6.7N	139.0W	98.3	Egyptian god of the rising sun.
Michabo Patera	1.7N	167.1W	100.0	Algonquin lord of eastern light, thunder, and wind.
Radegast Patera	26.9S	159.2W	65.0	West Slavic maker of thunder and lightning.
Ruaumoko Patera	14.5N	139.3W	18.5	Polynesian god who causes earthquakes and volcanos.
Steropes Patera	15.6N	138.8W	27.0	One of the Greek Cyclops who created thunderbolts for Zeus.
Tien Mu Patera	12.0N	133.9W	27.3	Chinese Mother-Lightening.
Wabasso Patera	22.0S	166.0W	25.0	Potawatomi (Alonquin, Michigan lake area, U.S.) sun god.
Yaw Patera	9.4N	132.0W	35.2	Hebrew sun god at Gaza.

## THOLUS

Name	LAT	LON	Size (km)	Description
Tsüi Goab Tholus	0.5N	162.4W	56.0	Hottentot (southern Africa) supreme being, associated with thunder.

## MARS

## CRATER

Name	LAT	LON	Size (km)	Description
Airy-0	5.1S	0.0W	0.5	Small crater within crater Airy that defines zero degrees longitude on Mars.
Barsukov	8.0N	29.1W	71.7	Valery L.; Soviet geochemist and planetologist (1928-1992).
Crivitz	14.7S	185.3W	6.1	Town in Germany.
Downe	16.1S	184.3W	28.0	Town in England.
Galdakao	13.5S	183.5W	35.0	Euskadi (Basque) town in Spain.
Gunnison	44.0S	257.2W	40.8	Town in Colorado, USA.
New Plymouth	15.9S	184.2W	33.3	Town in Idaho, USA.
Orson Welles	0.2S	45.9W	124.5	George Orson; American radio and motion picture actor and director (1915-1985).
Zunil	7.7N	193.9W	10.4	Mayan village in Guatemala.
Zutphen	14.0S	185.8W	38.0	Town in The Netherlands.

## CAVUS

Name	LAT	LON	Size (km)	Description
Scandia Cavi	77.3N	150.3W	425.0	Named for classical albedo feature at 65N, 150W.

## COLLES

Name	LAT	LON	Size (km)	Description
Abalos Colles	77.0N	72.0W	245.0	Named for classical albedo feature at 72N, 70W.
Cydonia Colles	39.4N	12.2W	365.0	Named for classical albedo feature at 50N, 355W.
Ortygia Colles	54.1N	9.6W	268.0	Named for classical albedo feature at 65N, 350W.

## DORSUM

Name	LAT	LON	Size (km)	Description
Arcadia Dorsa	55.0N	140.0W	1900.0	Named for classical albedo feature at 45N, 120W.
Hyblaeus Dorsa	11.0N	231.0W	875.0	Named for albedo feature.
Isidis Dorsa	12.2N	271.8W	1100.0	Named for classical albedo feature at 25N, 270W.
Phlegra Dorsa	23.0N	184.0W	3250.0	Named for classical albedo feature at 35N, 195W.

## LABYRINTHUS

Name	LAT	LON	Size (km)	Description
Cydonia Labyrinthus	41.5N	12.0W	356.0	Named for classical albedo feature at 50N, 355W.

## MENSA

Name	LAT	LON	Size (km)	Description
Amazonis Mensa	2.0S	147.5W	500.0	Classical albedo feature name.
Capri Mensa	14.0S	47.4W	275.0	Classical albedo feature name.
Eos Mensa	11.0S	42.2W	390.0	Classical albedo feature name.

## MONS

Name	LAT	LON	Size (km)	Description
Australe Montes	80.3S	345.9W	387.0	Classical albedo feature name.
Euripus Mons	45.1S	255.0W	91.0	Classical albedo feature name.

## PATERA

Name	LAT	LON	Size (km)	Description
Malea Patera	63.7S	308.1W	242.0	Classical albedo feature name.
Pityusa Patera	67.0S	323.1W	230.0	Classical albedo feature name.



## PLANUM

Name	LAT	LON	Size (km)	Description
Aonia Planum	58.0S	79.0W	650.0	Classical albedo feature name.
Argentea Planum	70.0S	68.0W	1500.0	Classical albedo feature name.
Meridiani Planum	0.2N	2.5W	1100.0	Classical albedo feature name.
Parva Planum	76.0S	103.0W	750.0	Classical albedo feature name.
Promethei Planum	79.0S	270.0W	850.0	Classical albedo feature name.
Sisyphi Planum	70.0S	355.0W	1100.0	Classical albedo feature name.

## RUPES

Name	LAT	LON	Size (km)	Description
Hephaestus Rupes	22.0N	243.0W	1750.0	Named for classical albedo feature at 20N, 240W.
Panchaia Rupes	64.0N	230.0W	1500.0	Named for classical albedo feature at 62N, 220W.
Utopia Rupes	40.0N	270.0W	2550.0	Named for classical albedo feature at 55N, 260W.

## THOLUS

Name	LAT	LON	Size (km)	Description
Scandia Tholi	74.0N	162.0W	480.0	Named for classical albedo feature at 65N, 150W.

## UNDA

Name	LAT	LON	Size (km)	Description
Olympia Undae	81.5N	180.0W	1100.0	Classical albedo feature name. Name changed from Olympia Planitia.

## VALLIS

Name	LAT	LON	Size (km)	Description
Allegheny Vallis	9.2S	54.0W	200.0	River in Pennsylvania, USA.
Chico Valles	67.0S	153.5W	450.0	River in Argentina.
Teviot Vallis	43.7S	257.9W	140.0	River in Scotland.

## VENUS

## CRATER

Name	LAT	LON	Size (km)	Description
Elenora	47.1N	6.9E	4.5	German first name (variation of Eleanor).
Esterica	36.8N	3.6E	3.6	Romanian first name.
Fiona	5.0N	166.6E	3.5	Celtic first name.
Seiko	21.0S	216.6E	3.4	Japanese first name.

## CHASMA

Name	LAT	LON	Size (km)	Description
Chondi Chasma	18.5S	230.0E	1000.0	Bengali goddess of wild animals.
Dziwica Chasma	16.5S	235.0E	1300.0	Forest maiden in myths of Luzicke Serby/Sorben/Wenden, W. Slavic group in East Germany.
Jana Chasma	12.2S	117.9E	650.0	Roman moon goddess.
Kicheda Chasma	2.5S	213.0E	1500.0	Nganasan (Taymyr Peninsula Samoyed) lunar goddess.
Lesavka Chasma	0.8S	215.0E	800.0	E. Slavic forest deity, daughter of the forest father Leshiy and the swamp deity Kikimora.
Ralk-umgu Chasma	15.0S	106.0E	840.0	Nivkhan (Sakhalin Island) "lunar woman."

## COLLES

Name	LAT	LON	Size (km)	Description
Asherat Colles	12.0N	162.0E	500.0	Phoenician goddess known as "Asherat-of-the-Sea."
Ran Colles	1.0N	163.0E	400.0	Scandinavian sea goddess.
Urutonga Colles	10.0N	154.0E	500.0	Maori sea goddess.

## CORONA

Name	LAT	LON	Size (km)	Description
Acrea Corona	24.2N	243.7E	200.0	Greek resplendent mother goddess.
Ak-Ene Corona	9.4N	254.7E	150.0	Altay Great Mother, "White Mother."
Among Corona	13.4S	213.5E	210.0	Karen (Burma/Myanmar) mythological first woman.
Attabeira Corona	1.5S	211.5E	240.0	Taino (Puerto Rico) fertility goddess.
Bil Corona	3.0N	168.0E	225.0	Norse-Viking Earth and nature goddess.
Blid Corona	0.5S	231.3E	175.0	Scandinavian Earth, nature, and happiness goddess.
Cavell Corona	38.3N	18.8E	100.0	Edith; British nurse, heroine (1865-1915). (Changed from Cavell Patera.)
Chantico Corona	1.7S	215.0E	200.0	Aztec hearth goddess.
Clonia Corona	16.0N	167.4E	100.0	Greek Earth and nature goddess.
Damona Corona	48.9N	28.0E	140.0	Gaulish fertility goddess, "Great Cow".
Disani Corona	2.7N	57.5E	300.0	Nuristan (NE Afghanistan) fertility goddess.
Dzuzdi Corona	35.2N	20.6E	80.0	W. Komi-Permyakan (Ural Finn) mythological ancestor of Zyuzdino tribes, Upper Kama River area.
Edda Corona	47.2N	25.4E	50.0	Scandinavian goddess, "great grandmother," first woman to produce offspring.
Emegelji Coronae	21.5S	213.5E	225.0	Mongolian childcare goddess.

Fefafa Corona	24.8S	210.8E	100.0	Polynesian goddess of Earth, nature, and the life/death cycle.
Gashan-Ki Corona	11.7N	243.7E	225.0	Babylonian "Lady of the Earth."
Hannahannas Corona	0.0N	170.5E	200.0	Hittite (Asia Minor) mother and insect goddess.
Heqet Corona	7.0N	169.5E	250.0	Egyptian fertility goddess.
Holla Corona	13.0S	237.7E	180.0	German Earth, nature, and household affairs goddess.
Ilmatar Corona	34.3N	25.0E	110.0	Finnish sky goddess, creator of the world.
Inacho Corona	20.5S	212.2E	125.0	Micronesian Earth and nature goddess.
Jarina Corona	13.0N	165.0E	250.0	Brazilian Earth, tree, and happiness goddess.
Kolias Corona	16.5S	207.9E	200.0	Greek Earth, nature, and foothills goddess.
Kostroma Coronae	40.6N	7.6E	230.0	E. Slavic female deity of spring and fertility.
Kumang Corona	25.0N	11.8E	40.0	Mother goddess of Ibans, the Sea Dayaks of Borneo/Kalimantan, Indonesia.
Lengdin Corona	2.5N	223.0E	525.0	Chinese Earth goddess.
Lumimuut Corona	11.5S	234.5E	230.0	Minahas (N. Sulawesi, Indonesia) ancestor goddess.
Modron Corona	32.8N	23.1E	50.0	Welsh divine mother goddess.
Momu Coronae	21.0S	220.3E	260.0	Darghinan (Daghestan) childbirth deity.
Nana-Buluku Coronae	39.4N	14.0E	230.0	Dahomean world creator deity, both male and female.
Ndoi Corona	20.3S	230.3E	225.0	Mende (Sierra Leone) Earth and nature goddess.
Nei-Teukez Corona	14.2N	258.8E	90.0	Micronesian (Gilbert Islands, Kiribati) mother of gods.
Ninmah Corona	16.5N	49.0E	700.0	Sumer-Akkadian mother goddess.
Onenhste Corona	19.0S	221.5E	230.0	Mohawk/Iroquois corn maiden, the eldest of the Three Sisters, the harvest deities.
Parma Corona	44.5N	17.5E	110.0	Komi-Permyakan (Ural Finn) personification of wilderness, in particular, of the North Ural taiga-covered uplands; mother of the first man, Pera.
Pazar-ana Corona	3.2S	214.8E	300.0	Gagauzan (Moldova) "Sunday mother," protector of women.
Ponmakya Corona	34.3N	11.8E	280.0	Burman (Myanmar) fertility goddess.
Prthivi Corona	10.8N	248.5E	375.0	Hindu (India) mother goddess.
Repa Corona	13.0S	218.8E	240.0	Egyptian fertility and underworld goddess.
Rind Corona	8.2N	247.5E	140.0	Norse "Earth's Winter Queen," personification of the frost-covered Earth.
Rzhanitsa Corona	17.6S	214.6E	450.0	Russian goddess of rye fields.

Samsing Corona	23.8S	229.5E	165.0	Korean childcare deity, a good grandmother.
Sand Corona	41.7N	15.5E	181.0	George (Aurore Dupin); French novelist (1804-1876). Name changed from Sand Patera.
Simoting Corona	41.2N	21.5E	270.0	Naga (Tibetan people in NE India) ancestor of all people.
Sinlaku Corona	17.3N	260.3E	300.0	Micronesian (Kosrae Island, Caroline Islands) breadfruit tree goddess.
Tadaka Corona	4.0S	210.5E	260.0	Indian Earth and nature goddess.
Tari Pennu Corona	0.3N	264.3E	180.0	Khonds (India) Earth goddess.
Trotula Corona	41.3N	18.9E	146.0	Italian physician (A.D. 1097). Name changed from Trotula Patera.
Ulgen-ekhe Coronae	14.2S	224.0E	300.0	Buryatan Earth mother.
Xquiq Corona	38.1N	14.6E	55.0	Mayan fertility and motherhood divinity.
Yaroslavna Corona	38.8N	21.2E	112.0	Russian, wife of Prince Igor; patiently waited for his return from captivity (12th century). Name changed from Yaroslavna Patera.
Ya-Yerv Corona	9.0S	214.0E	275.0	Nenets (Samoyed) Earth mother.

## DORSUM

Name	LAT	LON	Size (km)	Description
Boszorkany Dorsa	19.5S	105.0E	550.0	Hungarian witch, flies over the sky.
Oya Dorsa	21.5N	157.5E	480.0	Yoruba (Nigeria) goddess of violent rainstorms.

## FLUCTUS

Name	LAT	LON	Size (km)	Description
Itoki Fluctus	6.0S	229.0E	900.0	Nicaraguan goddess of insects, stars, and planets.
Tie Fluctus	21.0N	159.0E	550.0	Egyptian goddess of intelligence and wisdom.

## FOSSA

Name	LAT	LON	Size (km)	Description
Naguchitsa Fossae	35.6S	159.3E	730.0	Adygan evil warrior, old woman with iron teeth.

## FARRA

Name	LAT	LON	Size (km)	Description
Nammu Farra	2.3N	169.4E	160.0	Assyro-Babylonian goddess of the waters of creation.

## LINEA

Name	LAT	LON	Size (km)	Description
Jokwa Linea	17.0S	210.0E	2200.0	Japanese "Royal Lady of the West" who waged war with demons and giants, then set the world in order.
Thaukhud Linea	24.0S	232.0E	900.0	Adygan (N. Caucasus) brave female warrior, a good spirit.
Veleda Linea	10.0S	213.0E	1350.0	Warrior goddess of the continental Celts.

## SATELLITES OF JUPITER

## MONS

Name	LAT	LON	Size (km)	Description
Fand Mons	7.0N	158.0E	300.0	Celtic goddess of healing and pleasure.
Gauri Mons	20.2S	102.2E	75.0	Indian mountain goddess.
Gwen Mons	21.4S	238.7E	200.0	Irish goddess of happiness and smiles.
Ixtab Mons	15.7N	242.2E	80.0	Mayan goddess of death.
Lahar Mons	14.0N	162.0E	225.0	Assyro-Babylonian goddess of domestic animals.
Lamashtu Mons	2.8N	172.7E	260.0	Sumerian goddess who inflicted children with diseases.
Muhongo Mons	10.6N	174.5E	175.0	Mbundu (Angola) ancestor deity.
Nazit Mons	22.5N	240.0E	350.0	Egyptian winged serpent goddess.
Ptesanwi Mons	2.8N	45.4E	200.0	Lakota (Sioux) White Buffalo Woman.
Sephira Mons	43.0S	28.0E	275.0	Spanish goddess of intelligence and creativity.
Wyrd Mons	14.0N	247.2E	150.0	Anglo-Saxon weaving goddess.
Zaltu Mons	18.0N	163.5E	220.0	Assyro-Babylonian goddess.

## PATERA

Name	LAT	LON	Size (km)	Description
Barnes Patera	15.5S	229.2E	15.0	Florence Lowe "Pancho"; American aviatrix (1901-1975).
Cherskaya Patera	5.2S	232.5E	85.0	Mavra Pavlovna; Russian explorer of E. Siberia, wife of Ivan Chersky (c. 1850 - c. 1900).
Dietrich Patera	5.3S	235.3E	100.0	Marlene (Maria Magdalena von Losch); German-born American actress (1901-1992).
Garbo Patera	1.5N	258.2E	75.0	Greta Gustafsson; Swedish-born American actress (1905-1990).

Malibrán Patera	18.4S	224.6E	60.0	Maria Felicia Garcia; Spanish/French singer (1808-1836), sister of Pauline Viardot-Garcia (see Viardot Patera).
Rogneda Patera	2.8S	220.5E	120.0	Gorislava; E. Slavic princess, wife of Vladimir 'The Red Sun', duke of Kiev, mother of Yaroslav 'The Wise', grand duke of Kiev (c. 950-1000).
Vibert-Douglas Patera	11.6S	194.3E	45.0	Allie; Canadian astronomer (1894-1988).

## PLANUM

Name	LAT	LON	Size (km)	Description
Turan Planum	13.0S	116.5E	800.0	Etruscan goddess of love, health, and fertility.
Viriplaca Planum	20.0S	112.0E	1200.0	Roman goddess of matrimonial love and happiness.

## TESSERA

Name	LAT	LON	Size (km)	Description
Mafdet Tessera	9.2N	38.5E	370.0	Egyptian goddess of judicial authority and executions.

## THOLUS

Name	LAT	LON	Size (km)	Description
Alcyone Tholus	2.1S	256.4E	70.0	Greek goddess who is the personification of a rain cloud.
Iaso Tholus	5.2N	255.3E	30.0	Greek goddess of health, medicine, and recovery.

## THOLUS

Name	LAT	LON	Size (km)	Description
Lama Tholus	7.8N	266.0E	110.0	Sumerian protective goddess.
Nipa Tholus	8.4N	255.7E	140.0	Algonquin moon goddess.
Pajan Yan Tholus	8.3N	252.2E	80.0	Cambodian healing goddess whose face appears in markings on the Moon.
Paoro Tholi	10.5N	268.0E	225.0	Maori (New Zealand) goddess of echoes; she gave voice to the first woman Marikoriko.

## VALLIS

Name	LAT	LON	Size (km)	Description
Morongo Valles	20.0S	111.4E	660.0	Makoni (Zimbabwe) name of Venus as evening star.
Sholpan Vallis	63.9S	150.0E	590.0	Kazakh and Karakalpak name of planet Venus.
Vishera Vallis	33.1S	161.6E	300.0	Komi-Permyakan (Ural Finn) girl who turned into a river with the same name.

**OTHER ACTIONS****Venus:**

- Change Surupa Dorsum to Surupa Dorsa
- Change Parga Chasma to Parga Chasmata
- Change Cavell Patera to Cavell Corona (included in list of coronae above)
- Change Sand Patera to Sand Corona (included in list of coronae above)
- Change Trotula Patera to Trotula Corona (included in list of coronae above)
- Change Yaroslavna Patera to Yaroslavna Corona (included in list of coronae above)

**Mars:**

- Drop Terra Meridiani
- Change Olympia Planitia to Olympia Undae (included in list of undae above)

**Ganymede:**

- Drop Wadjet
- New category for paterae - "Dry wadis (channels) of the Fertile Crescent region"

**Europa:**

- New category for lineae and flexus: "Celtic stone rows"

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