

## PETITION PROTESTING THE IAU PLANET DEFINITION

**We, as planetary scientists and astronomers, do not agree with the IAU's definition of a planet nor will we use it. A better definition is needed.**

| FIRST NAME  | LAST NAME    | INSTITUTION   |
|-------------|--------------|---|
| Hal         | Weaver       | Johns Hopkins University Applied Physics Laboratory   |
| Ralph       | McNutt       | Johns Hopkins University Applied Physics Laboratory   |
| Andrew      | Cheng        | JHU/APL   |
| Amy         | Lovell       | Agnes Scott College                                   |
| Darren      | Baird        | UCLA  |
| Christopher | Russell      | UCLA  |
| Elizabeth   | Jensen       | UCLA  |
| Mark        | Sykes        | PSI   |
| Michael     | Gaffey       | Space Studies, U. North Dakota                        |
| John        | Lambert      | The Boeing Company                                    |
| Tony        | Farnham      | University of Maryland                                |
| David       | Rabinowitz   | Yale University                                       |
| Curtis      | Cooper       | Lunar and Planetary Laboratory, University of Arizona |
| Alan        | Chamberlin   | Jet Propulsion Laboratory                             |
| H. Warren   | Moos         | Johns Hopkins University                              |
| Chris       | McKay        | NASA Ames   |
| Eldar       | Noe          | Malin Space Science Systems                           |
| Scott       | Michael      | Indiana University                                    |
| Jennifer    | Piatek       | University of Tennessee                               |
| Krista      | Soderlund    | UCLA  |
| Sanjay      | Limaye       | University of Wisconsin                               |
| Kathy       | Rages        | SETI Institute  |
| Erin        | Ryan         | University of Minnesota                               |
| Beatrice    | Mueller      | Planetary Science Institute                           |
| Barry       | Lutz         | Northern Arizona University                           |
| Stephen     | Maran        | American Astronomical Society                         |
| David       | Kuehn        | Pittsburg State University                            |
| Leslie      | Bleamaster   | Planetary Science Institute                           |
| Peter       | Bender       | Univ. of Colorado                                     |
| Kenneth     | Mighell      | National Optical Astronomy Observatory                |
| Larry       | Lebofsky     | U. of Arizona   |
| Kem         | Cook         | Lawrence Livermore National Laboratory                |
| David       | Levy         | Jarnac Observatory                                    |
| Horton      | Newsom       | Univ. of New Mexico                                   |
| Kurt        | Retherford   | Southwest Research Institute                          |
| Wendee      | Wallach-Levy | Jarnac Observatory                                    |
| Nanette     | Vigil        | Jarnac Observatory                                    |
| Francis     | Graham       | Kent State University                                 |
| janet       | luhmann      | SSL, Univ. of California, Berkeley                    |
| Bryan       | Butler       | National Radio Astronomy Observatory                  |
| Harold      | Geller       | George Mason University                               |
| Will        | Grundy       | Lowell Observatory                                    |
| James       | Dire         | Gardner-Webb University                               |

|          |              |  |
|----------|--------------|--|
| Nicola   | Richmond     | Planetary Science Institute                |
| Peter    | Thomas       | Cornell University                         |
| Howard   | Smith        | University of Virginia                     |
| Alan     | Stern        | SwRI                                       |
| Vladimir | Krasnopolsky | CUA  |
| Colleen  | Milbury      | UCLA                                       |
| Britney  | Schmidt      | UCLA                                       |
| Jennifer | Benson       | University Of Toledo                       |
| Alan     | Howard       | University of Virginia                     |
| Tae-Soo  | Pyo          | Subaru Telescope                           |
| Wayne    | Pryor        | Central Arizona College                    |
| Tanya    | Tavener      | New Mexico State University                |
| steve    | howell       | NOAO                                       |
| Robert   | Carlson      | JPL  |
| Jason    | Soderblom    | Cornell University                         |
| MARK     | WYSOCKI      | CORNELL UNIVERSITY                         |
| William  | Rossow       | City College of New York                   |
| William  | McKinnon     | Washington University                      |
| Jody     | Wilson       | Boston University                          |
| Iain     | Reid         | STScI                                      |
| Nadine   | Barlow       | Northern Arizona University                |
| Mark B.  | Vincent      | MRO 2.4m, New Mexico Tech                  |
| Philip   | James        | Space Science Institute                    |
| Vishnu   | Reddy        | University of North Dakota                 |
| Denise   | Stephens     | Johns Hopkins University                   |
| Lawrence | Wasserman    | Lowell Observatory                         |
| Colby    | Jurgenson    | Magdalena Ridge Observatory                |
| Roger    | Knacke       | Penn State Erie                            |
| Darrell  | Strobel      | Johns Hopkins University                   |
| Steven   | Ostro        | JPL  |
| Ronald   | Elsner       | NASA Marshall Space Flight Center          |
| Robert   | Marcialis    | LPL  |
| Mark     | Showalter    | SETI Institute                             |
| Linda    | Spilker      | JPL  |
| Larry    | Paxton       | Johns Hopkins University                   |
| William  | Jackson      | University of California                   |
| Theodor  | Kostiuk      | Nasa Goddard Space Flight Center           |
| Robert   | Kolvoord     | James Madison University                   |
| Glenn    | Orton        | JPL  |
| Paul     | Strycker     | New Mexico State University                |
| Nicholas | Sperling     | The University of Toledo                   |
| Mark     | Everett      | Planetary Science Institute                |
| D. Chris | Benner       | College of William and Mary                |
| Jim      | Elliot       | Massachusetts Institute of Technology      |
| Walter   | Huebner      | Southwest research Inst.                   |
| Michael  | Mickelson    | DENISON UNIVERSITY                         |
| Giles    | Marion       | Desert Research Institute                  |
| James    | Ferris       | Rensselaer Polytechnic Institute Institute |
| Henry    | Throop       | Southwest Research Institute, Boulder, CO  |

|                |                 |   |
|----------------|-----------------|---|
| Larry          | Petro           | Space Telescope Science Institute                     |
| Chris          | Churchill       | New Mexico State University                           |
| Gordon         | Bjoraker        | NASA/GSFC   |
| Robert         | Fritzius        | Shade Tree Physics                                    |
| Daniel         | MacDonald       | JPL   |
| Brendan        | Fisher          | JPL   |
| Linda          | French          | Illinois Wesleyan University                          |
| Bernard        | Bates           | University of Puget Sound                             |
| Richard        | Tresch Fienberg | Sky & Telescope                                       |
| Mary           | Bourke          | Planetary Science Institute                           |
| Carol          | Neese           | Planetary Science Institute                           |
| Ed             | Smith           | STScI   |
| Christopher    | Gelino          | Spitzer Science Center/IPAC                           |
| Richard        | Wagener         | Brookhaven National Laboratory                        |
| Truman         | Kohman          | Carnegie-Mellon University                            |
| John           | Stansberry      | Steward Obs., U. Arizona                              |
| Alex           | Storrs          | Towson Univ.  |
| G. Leonard     | Tyler           | Stanford University                                   |
| Brandon        | Lawton          | New Mexico State University                           |
| Mark           | Hammergren      | Adler Planetarium & Astronomy Museum                  |
| Peregrine      | McGehee         | Los Alamos National Laboratory                        |
| Robert         | Seaman          | National Optical Astronomy Observatory                |
| Marc           | Buie            | Lowell Observatory                                    |
| Landon         | Noll            | Fremont Peak Observatory                              |
| Adam           | Burgasser       | MIT   |
| Michael        | Kelley          | Georgia Southern University                           |
| Uwe            | Fink            | Lunar and Planetary Laboratory, University of Arizona |
| David          | Crisp           | JPL/Caltech   |
| H. Bradford    | Barber          | University of Arizona                                 |
| Einstein       | Miller          | OCC, CU, MMCC   |
| Robin          | Evans           | Gibbel Corporation                                    |
| Kurt           | Anderson        | Apache Point Observatory and NM State University      |
| Erik           | Asphaug         | University of California, Santa Cruz                  |
| William        | Newman          | UCLA  |
| Jose Francisco | Salgado         | Adler Planetarium                                     |
| Stamatios      | Krimigis        | JHU/APL   |
| Michael        | Mautner         | Virginia Commonwealth University                      |
| Simon          | Mitton          | University of Cambridge                               |
| Raul           | Baragiola       | University of Virginia                                |
| Michael        | Allison         | Goddard Inst for Space Studies                        |
| Cathy          | Olkin           | SwRI  |
| Judith         | Young           | University of Massachusetts                           |
| Michael        | Kelley          | University of Minnesota                               |
| Meg            | Spohn           | University of Denver                                  |
| Tashonia       | Blackwell       | Norfolk State University                              |
| Brian          | Warner          | Palmer Divide Observatory                             |
| Alison         | Bridger         | San Jose State University                             |
| Alanna         | Garay           | National Astronomical Observatory of Japan            |
| Henry Alwyn    | Wootten         | Natl. Radio Astronomy Observatory                     |

|           |            |  |
|-----------|------------|--|
| M. L.     | Delitsky   | CSE  |
| Ira       | Nolt       | Retired NASA                                 |
| Jayant    | Murthy     | IIA  |
| William   | Merline    | SwRI   |
| Daryl     | Swade      | STScI  |
| Amar      | Rao        | UCLA   |
| Robert    | Novak      | Iona College                                 |
| Joe       | Peterson   | Southwest Research Institute                 |
| Donald    | Jennings   | Goddard Space Flight Center                  |
| Michael   | Wolff      | Space Science Institute                      |
| Randy     | Gladstone  | SwRI   |
| Jeffrey   | Moore      | NASA Ames Research Center                    |
| Fred      | Franklin   | Harvard-Smithsonian CFA                      |
| Kevin     | Stube      | University of Arizona                        |
| David     | Tholen     | University of Hawaii                         |
| Russ      | Walker     | MIRA   |
| Eliot     | Young      | Southwest Research Institute                 |
| Michael   | Finch      | The University of Arizona                    |
| David     | Crown      | Planetary Science Institute                  |
| William   | Cassidy    | University of Pittsburgh                     |
| Joel      | Parker     | Southwest Research Institute                 |
| Noel      | Jackson    | University of Southern Queensland, Australia |
| David     | Portree    | Lowell Observatory                           |
| Jonathan  | Gradie     | BAE Systems NES Imaging & Surveillance       |
| Philip    | Massey     | Lowell Observatory                           |
| Paul      | Grogger    | University of Colorado                       |
| Joseph    | Ajello     | JPL  |
| Lou       | Weeks      | AAS Member                                   |
| Galen     | Gisler     | University of Oslo                           |
| Thomas    | Stephens   | NASA GSFC                                    |
| Jared     | Leisner    | UCLA   |
| Gregory   | Hoppa      | Raytheon                                     |
| Robert    | Barron     | Tel Aviv Uni.                                |
| Laurent   | Montesi    | Woods Hole Oceanographic Institution         |
| Deidre    | Hunter     | Lowell Observatory                           |
| James     | Mueller    | JHU/APL                                      |
| Michael   | Stevens    | Naval Research Laboratory                    |
| Scott     | Milster    | ATK Mission Research                         |
| Hoi Fung  | Chau       | University of Hong Kong                      |
| Knut      | Olsen      | National Optical Astronomy Observatory       |
| Anthony   | Roman      | Space Telescope Science Institute            |
| Catherine | Johnson    | UCSD   |
| Grace     | Wolf-Chase | University of Chicago                        |
| Bernard   | Noeller    | Community College of Baltimore County        |
| Ellen     | Howell     | Arecibo Observatory                          |
| Robert    | Reynolds   | University Of Arizona - LPL                  |
| Thomas    | Kehoe      | University of Florida                        |
| David     | Hinson     | Stanford University                          |
| Dan       | Moynihan   | Lunar and Planetary Laboratory               |

|           |              |   |
|-----------|--------------|---|
| Glenn     | Dantzer      | Settlemyre Planetarium                      |
| Thomas    | Hill         | Rice University                             |
| Justin    | Bartel       | Kansas Cosmosphere and Space Center         |
| Rodney    | Martin       | Wm. Brish Planetarium                       |
| Steven    | Russo        | Schenectady Museum Planetarium              |
| Maurice   | Collins      | Amateur Astronomer                          |
| Douglas   | ReVelle      | Los Alamos National Laboratory              |
| John      | Cooper       | NASA Goddard Space Flight Center            |
| Martha    | Leake        | Valdosta State University                   |
| JOHN      | BRANDT       | U. of New Mexico                            |
| Duncan    | Young        | University of Texas                         |
| Chuck     | See          | University of Arizona                       |
| Stephen   | Becker       | Los Alamos National Lab                     |
| Bonnie    | Buratti      | Jet Propulsion Laboratory                   |
| Sally     | Oey          | University of Michigan                      |
| Laurence  | Trafton      | Univ. Texas at Austin                       |
| David     | Bartlett     | University of Colorado                      |
| Faith     | Vilas        | MMT Observatory                             |
| David     | Grinspoon    | Denver Museum of Nature & Science           |
| Carolyn   | Shoemaker    | USGS  |
| Robert    | Craddock     | Smithsonian Institution                     |
| Priscilla | Cerroni      | IASF INAF Roma Italy                        |
| John      | Dragon       | Los Alamos National Laboratory              |
| Charles   | Cowley       | Astron. Dept. U. of Michigan                |
| Wayne     | Hayes        | University of California, Irvine            |
| Nilton    | Renno        | University of Michigan                      |
| Amy       | Simon-Miller | NASA Goddard Space Flight Center            |
| Louise    | Prockter     | JHU/APL                                     |
| David     | Klassen      | Rowan Univeristy                            |
| Bradley   | Schaefer     | Louisiana State University                  |
| Ilana     | Dashevsky    | STScI                                       |
| Lawrence  | Sromovsky    | University of Wisconsin - Madison           |
| Richard   | Schmude, Jr. | Gordon College                              |
| David     | Weintraub    | Vanderbilt University                       |
| Barbara   | Carlson      | NASA/GISS                                   |
| Gary      | Copeland     | Old Dominion Univarsity                     |
| Gerhard   | Neukum       | Freie Universitaet Berlin, Germany          |
| Yi-Jehng  | Kuan         | National Taiwan Normal University           |
| Tom       | Van Flandern | Meta Research                               |
| Edward    | Tedesco      | University of New Hampshire                 |
| John      | Richardson   | M.I.T.                                      |
| Jon       | Jenkins      | SETI Institute                              |
| Dariusz   | Lis          | California Institute of Technology          |
| Minho     | Choi         | Korea Astronomy and Space Science Institute |
| David     | Dunham       | Johns Hopkins Univ./Applied Physics Lab.    |
| Michael   | Haken        | NASA/GSFC                                   |
| Craig     | Fry          | Exploration Physics International, Inc.     |
| Jean      | Chiar        | SETI Institute/NASA Ames                    |
| Clark     | Chapman      | Southwest Research Inst.                    |

|          |                |  |
|----------|----------------|--|
| Jasmine  | Santana        | University of Michigan, Ann Arbor                                  |
| Laura    | Woodney        | California State Univ, San Bernardino                              |
| Fran     | Bagenal        | University of Colorado   |
| Gregory  | Smith          | SRI International  |
| Victoria | Meadows        | IPAC/Caltech   |
| Shane    | Byrne          | University of Arizona  |
| Steven   | Lee            | Denver Museum of Nature & Science                                  |
| Susan    | Postawko       | University of Oklahoma   |
| Michael  | Summers        | George Mason University  |
| Amy      | Donnelly       | Herkimer BOCES planetarium   |
| Joseph   | VEVERKA        | Cornell  |
| Herbert  | Beebe          | New Mexico State Univ (retired)                                    |
| Niescja  | Turner         | Florida Institute of Technology                                    |
| Bidushi  | Bhattacharya   | Spitzer Science Center, Caltech                                    |
| Paul     | Helpenstein    | Cornell University   |
| David H. | Smith          | National Research Council  |
| Howard   | Houben         | Bay Area Environmental Research Institute                          |
| Carrie   | Anderson       | New Mexico State University  |
| Bernhard | Schulz         | IPAC/Caltech   |
| Scott    | Severson       | UCO/Lick Observatory   |
| Carl     | Grillmair      | Spitzer Science Center   |
| James    | Colbert        | Spitzer Science Center   |
| Thomas   | Jarrett        | IPAC   |
| Reta     | Beebe          | New Mexico State University  |
| Oliver   | Hartmann       | FU Berlin, Remote sensing of the earth and planets,<br>Geosciences |
| Melissa  | Nelson         | University of New Mexico   |
| Patrick  | Ogle           | Spitzer Science Center   |
| Larry    | Friesen        | University of Houston at Clear Lake                                |
| Jeffrey  | Bary           | University of Virginia   |
| Roc      | Cutri          | IPAC/Caltech   |
| John     | McGraw         | University of New Mexico   |
| Paul     | Steffes        | Georgia Institute of Technology                                    |
| Paul     | Romani         | NASA - Goddard Space Flight Center                                 |
| W. David | Carrier, III   | Lunar Geotechnical Institute                                       |
| Stephen  | Shawl          | University of Kansas   |
| Regina   | Cody           | NASA Goddard Space Flight Center                                   |
| Thomas   | Kelsall        | NASA/GSFC (ret.)   |
| Stephen  | Baloga         | Proxemy Research   |
| Todd     | Clancy         | Space Science Institute  |
| Dennis   | Matson         | JPL  |
| Nicole   | Rappaport      | JPL  |
| Barbara  | Anthony-Twarog | Univ. of Kansas  |
| Bruce    | Twarog         | University of Kansas   |
| Bob      | Molloy         | Spitzer Science Center/Caltech                                     |
| Steve    | Bryson         | NASA Ames  |
| Gilbert  | Esquerdo       | Planetary Science Institute  |
| Paul     | Abell          | Planetary Science Institute  |
| David    | Osip           | Observatories of the Carnegie Institution of Washington            |

|            |                   |   |
|------------|-------------------|---|
| Kandis-Lea | Jessup            | Southwest Research Institute                                |
| David      | Huestis           | SRI International   |
| Ray        | Russell           | The Aersospace Corporation                                  |
| Don        | Davis             | Planetary Science Institute                                 |
| Jim        | Thieman           | NASA/GSFC   |
| Samuel     | Dupree            | Lockheed Martin Integrated Systems and Solutions            |
| Amara      | Graps             | INAF-Istituto di Fisica dello Spazio Interplanetario (IFSI) |
| Sze-leung  | Cheung            | Ho Koon Astronomical Center Hong Kong                       |
| Stefan     | Schroeder         | Max-Planck-Institut fuer Sonnensystemforschung              |
| Pablo      | Gutierrez-Marques | MPS   |
| Michael    | DiSanti           | NASA-Goddard Space Flight Center                            |
| Sebastian  | Walter            | FU Berlin   |
| Andrew     | Potter            | National Solar Observatory                                  |
| Irwin      | Shapiro           | Harvard-Smithsonian Center for Astrophysics                 |
| Feng       | Tian              | NPP   |
| Douglas    | Caldwell          | SETI Institute  |
| Patricio   | Rojo              | Universidad de Chile, Astronomy Department                  |