

## Appendix Ib.1

## Total Departmental Extramural Funding

| <b>AWARDS</b>      |             | <b>ASTRONOMY &amp; ASTROPHYSICS DEPARTMENT</b> |             |            |                     |                    |                   |                 |
|--------------------|-------------|--|-------------|------------|---------------------|--------------------|-------------------|-----------------|
| <b>Fiscal Year</b> | <b>SC #</b> | <b>PI Name</b>                                 | <b>Dept</b> | <b>MRU</b> | <b>Agency</b>       | <b>Agency Type</b> | <b>Award Amt.</b> | <b>Award IC</b> |
| 01                 | 20001453    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Re F      |                    | 16,378            | 2,576           |
| 01                 | 20010356    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Re F      |                    | 23,850            | 3,975           |
| 01                 | 20001002    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Goddard F      |                    | 38,000            | 7,453           |
| 01                 | 20010356    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Re F      |                    | 37,600            | 6,267           |
| 01                 | 20010383    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Ur F      |                    | 49,383            | 4,489           |
| 01                 | 19974820    | Bolte, Michael                                 | Astro       | UCO Lick   | Space Telesco F     |                    | 17,709            | 4,892           |
| 01                 | 19990178    | Bolte, Michael                                 | Astro       | UCO Lick   | NSF                 | F                  | 93,925            | 24,689          |
| 01                 | 20010092    | Bolte, Michael                                 | Astro       | UCO Lick   | NSF                 | F                  | 172,962           | 48,490          |
| 01                 | 20001946    | Brodie, Jean                                   | Astro       | UCO Lick   | Space Telesco F     |                    | 11,144            | 3,007           |
| 01                 | 19990167    | Brodie, Jean                                   | Astro       | UCO Lick   | NSF                 | F                  | 113,122           | 34,925          |
| 01                 | 20001730    | Buote, David                                   | Astro       | UCO Lick   | NASA/Goddard F      |                    | 18,000            | 5,919           |
| 01                 | 20010065    | Faber, Sandra                                  | Astro       | UCO Lick   | Association of IPHE |                    | 34,000            | -               |
| 01                 | 20001247    | Faber, Sandra                                  | Astro       | UCO Lick   | NSF                 | F                  | 641,452           | 196,128         |
| 01                 | 20001773    | Guhathakurta, Astro                            |             | UCO Lick   | LLNL IGPP           | I                  | 19,348            | -               |
| 01                 | 20001935    | Guhathakurta, Astro                            |             | UCO Lick   | Space Telesco F     |                    | 10,613            | 2,784           |
| 01                 | 19990450    | Guhathakurta, Astro                            |             | UCO Lick   | Space Telesco F     |                    | 14,893            | 4,191           |
| 01                 | 19986810    | Guhathakurta, Astro                            |             | UCO Lick   | NASA/Goddard F      |                    | 55,901            | 18,257          |
| 01                 | 19990479    | Illingworth, Ga                                | Astro       | UCO Lick   | Space Telesco F     |                    | 21,517            | 6,257           |
| 01                 | 19987110    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins F     |                    | 92,596            | 28,807          |
| 01                 | 19990073    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins PHE   |                    | 8,778             | 2,887           |
| 01                 | 19990479    | Illingworth, Ga                                | Astro       | UCO Lick   | Space Telesco F     |                    | 21,516            | 6,257           |
| 01                 | 19987110    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins F     |                    | 148,482           | 45,275          |
| 01                 | 20001220    | Jones, Burton                                  | Astro       | UCO Lick   | NSF                 | F                  | 62,000            | 18,244          |
| 01                 | 20001172    | Jones, Burton                                  | Astro       | UCO Lick   | NSF                 | F                  | 106,000           | 34,859          |
| 01                 | 20001975    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco F     |                    | 15,000            | 4,257           |
| 01                 | 19990453    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco F     |                    | 15,295            | 5,030           |
| 01                 | 20001972    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco F     |                    | 25,186            | 8,282           |
| 01                 | 20010352    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco F     |                    | 13,500            | 4,440           |
| 01                 | 20001970    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco F     |                    | 9,014             | 2,289           |
| 01                 | 20001972    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco F     |                    | 25,186            | 8,283           |
| 01                 | 20010469    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco F     |                    | 27,500            | 7,937           |
| 01                 | 20010481    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco F     |                    | 34,400            | 10,206          |
| 01                 | 19990453    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco F     |                    | 15,295            | 5,030           |

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|--------------------|-------------|---------------------|--|------------|----------------|--------------------|-------------------|------------------|
| <b>Fiscal Year</b> | <b>SC #</b> | <b>PI Name</b>      | <b>Dept</b>                                    | <b>MRU</b> | <b>Agency</b>  | <b>Agency Type</b> | <b>Award Amt.</b> | <b>Award IC</b>  |
| 01                 | 19987180    | Lin, Douglas        | Astro  | UCO Lick   | NASA/Misc Cer  | F                  | 45,000            | 14,697           |
| 01                 | 20001827    | Lin, Douglas        | Astro  | UCO Lick   | NASA/Goddard   | F                  | 55,000            | 16,060           |
| 01                 | 20010471    | Lin, Douglas        | Astro  | UCO Lick   | JPL            | F                  | 39,999            | 13,154           |
| 01                 | 20001836    | Lin, Douglas        | Astro  | UCO Lick   | NASA/Goddard   | F                  | 40,000            | 13,154           |
| 01                 | 20010330    | Madau, Piero        | Astro  | UCO Lick   | NASA/Goddard   | F                  | 67,957            | 18,087           |
| 01                 | 20001727    | Mathews, William    | Astro  | UCO Lick   | NASA/Goddard   | F                  | 16,000            | 5,262            |
| 01                 | 19990011    | Mathews, William    | Astro  | UCO Lick   | NASA/Misc Cer  | F                  | 43,000            | 11,693           |
| 01                 | 20010093    | Mathews, William    | Astro  | UCO Lick   | NSF            | F                  | 88,740            | 28,690           |
| 01                 | 19984660    | Max, Claire         | Astro  | UCO Lick   | NSF            | F                  | 2,257,650         | 211,197          |
| 01                 | 19984660    | Max, Claire         | Astro  | UCO Lick   | NSF            | F                  | 1,300,976         | 365,022          |
| 01                 | 20010082    | Smith, Graeme       | Astro  | UCO Lick   | NSF            | F                  | 170,134           | 49,204           |
| 01                 | 20001353    | Thorsett, Stephen   | Astro  | UCO Lick   | NASA/Goddard   | F                  | 37,000            | 12,168           |
| 01                 | 20001144    | Vogt, Steven        | Astro  | UCO Lick   | NSF            | F                  | 84,000            | 25,597           |
| 01                 | 20001144    | Vogt, Steven        | Astro  | UCO Lick   | NSF            | F                  | 82,000            | 24,821           |
| 01                 | 19980480    | Woosley, Stan       | Astro  | UCO Lick   | NSF            | F                  | 124,891           | 36,523           |
| 01                 | 19983310    | Woosley, Stan       | Astro  | UCO Lick   | DOE/Misc Offic | F                  | 192,000           | 60,718           |
| 01                 | 19976610    | Woosley, Stan       | Astro  | UCO Lick   | MIT            | PHE                | 6,300             | 2,003            |
| 01                 | 19976610    | Woosley, Stan       | Astro  | UCO Lick   | MIT            | PHE                | 24,728            | 4,347            |
| 01                 | 19990010    | Woosley, Stan       | Astro  | UCO Lick   | NASA/Goddard   | F                  | 96,000            | 31,108           |
| <b>01 Count</b>    | <b>52</b>   |                     |  |            |                |                    |                   |                  |
| <b>01 Total</b>    |             |                     |  |            |                |                    | <b>6,780,920</b>  | <b>1,509,887</b> |
| 02                 | 20010383    | Bodenheimer, I      | Astro  | UCO Lick   | NASA/Ames Ur   | F                  | 9,876             | 898              |
| 02                 | 20010356    | Bodenheimer, I      | Astro  | UCO Lick   | NASA/Ames Re   | F                  | 8,826             | 1,471            |
| 02                 | 20010356    | Bodenheimer, I      | Astro  | UCO Lick   | NASA/Ames Re   | F                  | 40,824            | 6,803            |
| 02                 | 20001002    | Bodenheimer, I      | Astro  | UCO Lick   | NASA/Goddard   | F                  | 38,000            | 7,453            |
| 02                 | 20010383    | Bodenheimer, I      | Astro  | UCO Lick   | NASA/Ames Ur   | F                  | 39,800            | 3,618            |
| 02                 | 20010087    | Bolte, Michael      | Astro  | UCO Lick   | NSF            | F                  | 61,875            | 20,349           |
| 02                 | 20001946    | Brodie, Jean        | Astro  | UCO Lick   | Space Telescop | F                  | 11,143            | 3,007            |
| 02                 | 20020592    | Brodie, Jean        | Astro  | UCO Lick   | Space Telescop | F                  | 22,500            | 7,134            |
| 02                 | 20020229    | Brodie, Jean        | Astro  | UCO Lick   | NSF            | F                  | 159,798           | 49,433           |
| 02                 | 20001247    | Faber, Sandra       | Astro  | UCO Lick   | NSF            | F                  | 17,013            | 2,250            |
| 02                 | 19990450    | Guhathakurta, Astro | Astro  | UCO Lick   | Space Telescop | F                  | 14,892            | 4,191            |
| 02                 | 20001935    | Guhathakurta, Astro | Astro  | UCO Lick   | Space Telescop | F                  | 10,000            | 3,288            |

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|--------------------|-------------|--|-------------|------------|-----------------|--------------------|-------------------|-----------------|
| <b>Fiscal Year</b> | <b>SC #</b> | <b>PI Name</b>                                 | <b>Dept</b> | <b>MRU</b> | <b>Agency</b>   | <b>Agency Type</b> | <b>Award Amt.</b> | <b>Award IC</b> |
| 02                 | 19990073    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins   | PHE                | 13,578            | 4,465           |
| 02                 | 19987110    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins   | F                  | 138,974           | 42,148          |
| 02                 | 19987110    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins   | F                  | 198,125           | 61,716          |
| 02                 | 19990073    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins   | PHE                | 10,522            | 3,460           |
| 02                 | 20001220    | Jones, Burton                                  | Astro       | UCO Lick   | NSF             | F                  | 63,000            | 18,448          |
| 02                 | 20001172    | Jones, Burton                                  | Astro       | UCO Lick   | NSF             | F                  | 110,000           | 36,174          |
| 02                 | 20010440    | Koo, David                                     | Astro       | UCO Lick   | Space Telescop  | F                  | 15,094            | 4,225           |
| 02                 | 20010485    | Koo, David                                     | Astro       | UCO Lick   | Space Telescop  | F                  | 17,300            | 5,689           |
| 02                 | 20010469    | Koo, David                                     | Astro       | UCO Lick   | Space Telescop  | F                  | 27,499            | 7,936           |
| 02                 | 20010481    | Koo, David                                     | Astro       | UCO Lick   | Space Telescop  | F                  | 34,400            | 10,205          |
| 02                 | 20010440    | Koo, David                                     | Astro       | UCO Lick   | Space Telescop  | F                  | 15,093            | 4,225           |
| 02                 | 20020147    | Koo, David                                     | Astro       | UCO Lick   | Space Telescop  | F                  | 32,495            | 9,448           |
| 02                 | 20020919    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Ames Ur    | F                  | 13,333            | 2,222           |
| 02                 | 20001836    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 40,000            | 13,154          |
| 02                 | 20010872    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 40,000            | 13,154          |
| 02                 | 20001827    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 55,000            | 15,873          |
| 02                 | 20020305    | Lin, Douglas                                   | Astro       | UCO Lick   | JPL             | F                  | 10,000            | 3,289           |
| 02                 | 20020797    | Lin, Douglas                                   | Astro       | UCO Lick   | UCSD            | F                  | 40,000            | -               |
| 02                 | 20020045    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 86,031            | 27,185          |
| 02                 | 20020278    | Lin, Douglas                                   | Astro       | UCO Lick   | University of A | PHE                | 9,368             | 2,343           |
| 02                 | 20010771    | Madau, Piero                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 109,013           | 35,850          |
| 02                 | 20020856    | Madau, Piero                                   | Astro       | UCO Lick   | Space Telescop  | F                  | 45,166            | 4,782           |
| 02                 | 20001727    | Mathews, Willi                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 14,000            | 2,302           |
| 02                 | 20010093    | Mathews, Willi                                 | Astro       | UCO Lick   | NSF             | F                  | 89,324            | 29,375          |
| 02                 | 19984660    | Max, Claire                                    | Astro       | UCO Lick   | NSF             | F                  | 324,650           | 32,250          |
| 02                 | 19984660    | Max, Claire                                    | Astro       | UCO Lick   | NSF             | F                  | 98,587            | -               |
| 02                 | 19984660    | Max, Claire                                    | Astro       | UCO Lick   | NSF             | F                  | 3,960,682         | 365,352         |
| 02                 | 20010059    | Thorsett, Step                                 | Astro       | UCO Lick   | NSF             | F                  | 80,549            | 24,370          |
| 02                 | 20010898    | Thorsett, Step                                 | Astro       | UCO Lick   | Space Telescop  | F                  | 6,272             | 2,063           |
| 02                 | 20010059    | Thorsett, Step                                 | Astro       | UCO Lick   | NSF             | F                  | 80,935            | 24,424          |
| 02                 | 20001353    | Thorsett, Step                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 107,831           | 35,461          |
| 02                 | 20001144    | Vogt, Steven                                   | Astro       | UCO Lick   | NSF             | F                  | 83,242            | 25,105          |
| 02                 | 20010756    | Woosley, Stanf                                 | Astro       | UCO Lick   | Space Telescop  | F                  | 42,170            | 3,579           |

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|--------------------|-------------|-----------------|--|------------|----------------|--------------------|-------------------|------------------|
| <b>Fiscal Year</b> | <b>SC #</b> | <b>PI Name</b>  | <b>Dept</b>                                    | <b>MRU</b> | <b>Agency</b>  | <b>Agency Type</b> | <b>Award Amt.</b> | <b>Award IC</b>  |
| 02                 | 19976610    | Woosley, Stanf  | Astro  | UCO Lick   | MIT            | PHE                | 65,936            | 20,798           |
| 02                 | 20010578    | Woosley, Stanf  | Astro  | UCO Lick   | DOE/Misc Offic | F                  | 177,055           | 53,590           |
| 02                 | 20010578    | Woosley, Stanf  | Astro  | UCO Lick   | DOE/Misc Offic | F                  | 29,000            | 9,291            |
| 02                 | 19976610    | Woosley, Stanf  | Astro  | UCO Lick   | MIT            | PHE                | 49,455            | 13,633           |
| 02                 | 20010756    | Woosley, Stanf  | Astro  | UCO Lick   | Space Telesco  | F                  | 36,670            | 4,261            |
| 02                 | 20010944    | Woosley, Stanf  | Astro  | UCO Lick   | NASA/Goddard   | F                  | 121,560           | 36,940           |
| 02                 | 19976610    | Woosley, Stanf  | Astro  | UCO Lick   | MIT            | PHE                | 23,220            | 5,423            |
| 02                 | 20010756    | Woosley, Stanf  | Astro  | UCO Lick   | Space Telesco  | F                  | 36,812            | 3,002            |
| 02                 | 20010756    | Woosley, Stanf  | Astro  | UCO Lick   | Space Telesco  | F                  | 38,313            | 3,123            |
| 02                 | 20010578    | Woosley, Stanf  | Astro  | UCO Lick   | DOE/Misc Offic | F                  | 240,000           | 65,611           |
| 02                 | 19971240    | Zaritsky, Denni | Astro  | UCO Lick   | NSF            | F                  | 55,000            | 16,002           |
| <b>02 Count</b>    | <b>56</b>   |                 |  |            |                |                    |                   |                  |
| <b>02 Total</b>    |             |                 |  |            |                |                    | <b>7,319,801</b>  | <b>1,211,841</b> |
| 03                 | 20020958    | Bodenheimer, I  | Astro  | UCO Lick   | NASA/Goddard   | F                  | 51,000            | 10,003           |
| 03                 | 20010383    | Bodenheimer, I  | Astro  | UCO Lick   | NASA/Ames Ur   | F                  | 1,189             | 108              |
| 03                 | 20010356    | Bodenheimer, I  | Astro  | UCO Lick   | NASA/Ames Re   | F                  | 7,010             | 1,169            |
| 03                 | 20030143    | Bodenheimer, I  | Astro  | UCO Lick   | NASA/Ames Re   | F                  | 39,200            | 3,564            |
| 03                 | 20010383    | Bodenheimer, I  | Astro  | UCO Lick   | NASA/Ames Ur   | F                  | 8,475             | 771              |
| 03                 | 20030254    | Bolte, Michael  | Astro  | UCO Lick   | NSF            | F                  | 42,343            | 11,294           |
| 03                 | 20020592    | Brodie, Jean    | Astro  | UCO Lick   | Space Telesco  | F                  | 22,500            | 7,134            |
| 03                 | 20020229    | Brodie, Jean    | Astro  | UCO Lick   | NSF            | F                  | 159,798           | 49,433           |
| 03                 | 20001247    | Faber, Sandra   | Astro  | UCO Lick   | NSF            | F                  | 72,000            | 23,678           |
| 03                 | 20001247    | Faber, Sandra   | Astro  | UCO Lick   | NSF            | F                  | 9,375             | 1,875            |
| 03                 | 20001247    | Faber, Sandra   | Astro  | UCO Lick   | NSF            | F                  | 33,929            | 11,158           |
| 03                 | 19987110    | Illingworth, Ga | Astro  | UCO Lick   | Johns Hopkins  | F                  | 285,993           | 89,086           |
| 03                 | 19987110    | Illingworth, Ga | Astro  | UCO Lick   | Johns Hopkins  | F                  | 67,996            | 22,361           |
| 03                 | 20030124    | Jones, Burton   | Astro  | UCO Lick   | NSF            | F                  | 50,395            | 16,573           |
| 03                 | 20010485    | Koo, David      | Astro  | UCO Lick   | Space Telesco  | F                  | 17,300            | 5,689            |
| 03                 | 20020147    | Koo, David      | Astro  | UCO Lick   | Space Telesco  | F                  | 32,495            | 9,448            |
| 03                 | 20020797    | Lin, Douglas    | Astro  | UCO Lick   | UCSD           | F                  | 40,000            | -                |
| 03                 | 20030049    | Lin, Douglas    | Astro  | UCO Lick   | LANL IGPP      | I                  | 12,000            | -                |
| 03                 | 20010872    | Lin, Douglas    | Astro  | UCO Lick   | NASA/Goddard   | F                  | 40,000            | 13,154           |
| 03                 | 20001827    | Lin, Douglas    | Astro  | UCO Lick   | NASA/Goddard   | F                  | 55,000            | 15,741           |

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|--------------------|-------------|--|-------------|------------|-----------------|--------------------|-------------------|------------------|
| <b>Fiscal Year</b> | <b>SC #</b> | <b>PI Name</b>                                 | <b>Dept</b> | <b>MRU</b> | <b>Agency</b>   | <b>Agency Type</b> | <b>Award Amt.</b> | <b>Award IC</b>  |
| 03                 | 20010471    | Lin, Douglas                                   | Astro       | UCO Lick   | JPL             | F                  | 39,989            | 13,151           |
| 03                 | 20020933    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 40,000            | 12,332           |
| 03                 | 20020045    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 64,653            | 20,406           |
| 03                 | 20020278    | Lin, Douglas                                   | Astro       | UCO Lick   | University of A | PHE                | 9,368             | 3,081            |
| 03                 | 20020153    | Madau, Piero                                   | Astro       | UCO Lick   | Space Telesco   | F                  | 15,978            | 5,254            |
| 03                 | 20020289    | Madau, Piero                                   | Astro       | UCO Lick   | NSF             | F                  | 222,655           | 66,177           |
| 03                 | 20010771    | Madau, Piero                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 112,081           | 36,859           |
| 03                 | 20020153    | Madau, Piero                                   | Astro       | UCO Lick   | Space Telesco   | F                  | 15,977            | 5,254            |
| 03                 | 20020153    | Madau, Piero                                   | Astro       | UCO Lick   | Space Telesco   | F                  | 31,954            | 10,509           |
| 03                 | 20020856    | Madau, Piero                                   | Astro       | UCO Lick   | Space Telesco   | F                  | 37,665            | 3,549            |
| 03                 | 20030039    | Mathews, Willi                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 83,210            | 24,164           |
| 03                 | 19984660    | Max, Claire                                    | Astro       | UCO Lick   | NSF             | F                  | 22,100            | -                |
| 03                 | 19984660    | Max, Claire                                    | Astro       | UCO Lick   | NSF             | F                  | 50,993            | 10,158           |
| 03                 | 20030054    | Max, Claire                                    | Astro       | UCO Lick   | Gordon & Betty  | PF                 | 5,100,000         | -                |
| 03                 | 19984660    | Max, Claire                                    | Astro       | UCO Lick   | NSF             | F                  | 3,999,790         | 398,998          |
| 03                 | 20030227    | Nelson, Jerry                                  | Astro       | UCO Lick   | NSF             | F                  | 5,000             | -                |
| 03                 | 20020475    | Prochaska, Jas                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 93,900            | 26,357           |
| 03                 | 20030418    | Prochaska, Jas                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 27,003            | 8,879            |
| 03                 | 20020607    | Thorsett, Stepl                                | Astro       | UCO Lick   | Space Telesco   | F                  | 15,055            | 3,908            |
| 03                 | 20010507    | Thorsett, Stepl                                | Astro       | UCO Lick   | Space Telesco   | F                  | 15,534            | 3978             |
| 03                 | 20020607    | Thorsett, Stepl                                | Astro       | UCO Lick   | Space Telesco   | F                  | 15,054            | 4,430            |
| 03                 | 20010507    | Thorsett, Stepl                                | Astro       | UCO Lick   | Space Telesco   | F                  | 15,533            | 3,977            |
| 03                 | 20010059    | Thorsett, Stepl                                | Astro       | UCO Lick   | NSF             | F                  | 88,883            | 26,848           |
| 03                 | 20030231    | Vogt, Steven                                   | Astro       | UCO Lick   | NSF             | F                  | 119,753           | 37,408           |
| 03                 | 20030658    | Vogt, Steven                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 1,100,000         | -                |
| 03                 | 20030184    | Vogt, Steven                                   | Astro       | UCO Lick   | US Navy/Naval   | F                  | 4,297,000         | -                |
| 03                 | 20020301    | Woosley, Stanf                                 | Astro       | UCO Lick   | NSF             | F                  | 129,567           | 39,529           |
| 03                 | 19976610    | Woosley, Stanf                                 | Astro       | UCO Lick   | MIT             | PHE                | 11,611            | 3,818            |
| 03                 | 20010944    | Woosley, Stanf                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 104,724           | 28,375           |
| <b>03 Count</b>    | <b>49</b>   |  |             |            |                 |                    |                   |                  |
| <b>03 Total</b>    |             |  |             |            |                 |                    | <b>16,933,028</b> | <b>1,085,660</b> |
| 04                 | 20030682    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Ur    | F                  | 54,282            | 4,935            |
| 04                 | 20030143    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Re    | F                  | 39,200            | 3,564            |

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## Total Departmental Extramural Funding

| <b>AWARDS</b>      |             | <b>ASTRONOMY &amp; ASTROPHYSICS DEPARTMENT</b> |             |            |                 |                    |                   |                 |
|--------------------|-------------|--|-------------|------------|-----------------|--------------------|-------------------|-----------------|
| <b>Fiscal Year</b> | <b>SC #</b> | <b>PI Name</b>                                 | <b>Dept</b> | <b>MRU</b> | <b>Agency</b>   | <b>Agency Type</b> | <b>Award Amt.</b> | <b>Award IC</b> |
| 04                 | 20030682    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Ur    | F                  | 55,840            | 5,076           |
| 04                 | 20040401    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Ur    | F                  | 60,000            | 5,455           |
| 04                 | 20020958    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 51,000            | 10,003          |
| 04                 | 20030254    | Bolte, Michael                                 | Astro       | UCO Lick   | NSF             | F                  | 75,820            | 20,223          |
| 04                 | 20030805    | Brodie, Jean                                   | Astro       | UCO Lick   | Space Telesco   | PHE                | 40,722            | 11,856          |
| 04                 | 20030802    | Brodie, Jean                                   | Astro       | UCO Lick   | Space Telesco   | F                  | 18,458            |                 |
| 04                 | 20020229    | Brodie, Jean                                   | Astro       | UCO Lick   | NSF             | F                  | 159,798           | 49,433          |
| 04                 | 20001247    | Faber, Sandra                                  | Astro       | UCO Lick   | NSF             | F                  | 34,909            | 11,480          |
| 04                 | 20030804    | Faber, Sandra                                  | Astro       | UCO Lick   | Space Telesco   | F                  | 4,450             | 1,464           |
| 04                 | 20001247    | Faber, Sandra                                  | Astro       | UCO Lick   | NSF             | F                  | 267,270           | 81,719          |
| 04                 | 20040400    | Faber, Sandra                                  | Astro       | UCO Lick   | NSF             | F                  | 5,000             | -               |
| 04                 | 20030804    | Faber, Sandra                                  | Astro       | UCO Lick   | Space Telesco   | F                  | 13,349            | 3,585           |
| 04                 | 20030161    | Guhathakurta, A                                | Astro       | UCO Lick   | NSF             | F                  | 116,598           | 31,541          |
| 04                 | 20030724    | Guhathakurta, A                                | Astro       | UCO Lick   | LLNL IGPP       | I                  | 32,224            | -               |
| 04                 | 19987110    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins   | F                  | 110,028           | 34,613          |
| 04                 | 20030796    | Illingworth, Ga                                | Astro       | UCO Lick   | Space Telesco   | F                  | 81,000            | 25,898          |
| 04                 | 19987110    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins   | F                  | 53,622            | 16,869          |
| 04                 | 19987110    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins   | F                  | 525,253           | 163,540         |
| 04                 | 20030796    | Illingworth, Ga                                | Astro       | UCO Lick   | Space Telesco   | F                  | 81,000            | 25,898          |
| 04                 | 20030825    | Illingworth, Ga                                | Astro       | UCO Lick   | Space Telesco   | F                  | 5,991             | 1,970           |
| 04                 | 20001172    | Jones, Burton                                  | Astro       | UCO Lick   | NSF             | F                  | 49,996            | 16,442          |
| 04                 | 20030857    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco   | F                  | 19,638            | 5,653           |
| 04                 | 20030789    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco   | F                  | 47,462            | 13,908          |
| 04                 | 20040561    | Koo, David                                     | Astro       | UCO Lick   | California Asso | F                  | 39,350            | 12,941          |
| 04                 | 20030857    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco   | F                  | 19,637            | 5,653           |
| 04                 | 20030789    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco   | F                  | 47,461            | 13,907          |
| 04                 | 20030908    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Ames Ur    | F                  | 13,333            | 2,222           |
| 04                 | 20040393    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Ames Ur    | F                  | 30,000            | 5,000           |
| 04                 | 20030915    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 255,000           | 79,029          |
| 04                 | 20030788    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 14,562            | 4,789           |
| 04                 | 20020797    | Lin, Douglas                                   | Astro       | UCO Lick   | UCSD            | F                  | 40,000            | -               |
| 04                 | 20010872    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 40,000            | 13,154          |
| 04                 | 20020797    | Lin, Douglas                                   | Astro       | UCO Lick   | UCSD            | F                  | 30,000            | -               |

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## Total Departmental Extramural Funding

| <b>AWARDS</b>      |             | <b>ASTRONOMY &amp; ASTROPHYSICS DEPARTMENT</b> |             |            |                 |                    |                   |                  |
|--------------------|-------------|--|-------------|------------|-----------------|--------------------|-------------------|------------------|
| <b>Fiscal Year</b> | <b>SC #</b> | <b>PI Name</b>                                 | <b>Dept</b> | <b>MRU</b> | <b>Agency</b>   | <b>Agency Type</b> | <b>Award Amt.</b> | <b>Award IC</b>  |
| 04                 | 20020933    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 40,000            | 13,154           |
| 04                 | 20010771    | Madau, Piero                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 132,203           | 43,476           |
| 04                 | 20030958    | Madau, Piero                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 80,884            | 23,427           |
| 04                 | 20020856    | Madau, Piero                                   | Astro       | UCO Lick   | Space Telescop  | F                  | 40,548            | 3,869            |
| 04                 | 20020856    | Madau, Piero                                   | Astro       | UCO Lick   | Space Telescop  | F                  | 39,047            | 3,726            |
| 04                 | 20010093    | Mathews, William                               | Astro       | UCO Lick   | NSF             | F                  | 91,936            | 30,234           |
| 04                 | 20030039    | Mathews, William                               | Astro       | UCO Lick   | NASA/Goddard    | F                  | 82,816            | 24,889           |
| 04                 | 19984660    | Max, Claire                                    | Astro       | UCO Lick   | NSF             | F                  | 3,930,456         | 372,187          |
| 04                 | 20030227    | Nelson, Jerry                                  | Astro       | UCO Lick   | NSF             | F                  | 5,000             | -                |
| 04                 | 20030200    | Prochaska, Jas                                 | Astro       | UCO Lick   | NSF             | F                  | 74,787            | 22,127           |
| 04                 | 20030200    | Prochaska, Jas                                 | Astro       | UCO Lick   | NSF             | F                  | 9,718             | 1,600            |
| 04                 | 20030200    | Prochaska, Jas                                 | Astro       | UCO Lick   | NSF             | F                  | 89,831            | 27,441           |
| 04                 | 20040402    | Stover, Richard                                | Astro       | UCO Lick   | California Asso | F                  | 30,708            | -                |
| 04                 | 20040066    | Thorsett, Stephen                              | Astro       |            | Krell Institute | F                  | 1,000             | -                |
| 04                 | 20040066    | Thorsett, Stephen                              | Astro       |            | Krell Institute | F                  | 1,000             | -                |
| 04                 | 20040316    | Vogt, Steven                                   | Astro       | UCO Lick   | US Navy/Naval   | F                  | 661,500           | -                |
| 04                 | 20040241    | Vogt, Steven                                   | Astro       | UCO Lick   | California Asso | F                  | 550,000           | -                |
| 04                 | 20030231    | Vogt, Steven                                   | Astro       | UCO Lick   | NSF             | F                  | 123,359           | 38,467           |
| 04                 | 20030658    | Vogt, Steven                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 700,000           | -                |
| 04                 | 20041050    | Vogt, Steven                                   | Astro       | UCO Lick   | California Asso | F                  | 192,739           | -                |
| 04                 | 20040316    | Vogt, Steven                                   | Astro       | UCO Lick   | US Navy/Naval   | F                  | 1,441,500         | -                |
| 04                 | 20020301    | Woosley, Stan                                  | Astro       | UCO Lick   | NSF             | F                  | 135,000           | 38,290           |
| 04                 | 20010756    | Woosley, Stan                                  | Astro       | UCO Lick   | Space Telescop  | F                  | 40,578            | 3,645            |
| 04                 | 20020459    | Woosley, Stan                                  | Astro       | UCO Lick   | NASA/Goddard    | F                  | 1,500             | 494              |
| 04                 | 20010578    | Woosley, Stan                                  | Astro       | UCO Lick   | DOE/Misc Offic  | F                  | 240,813           | 70,467           |
| 04                 | 20010756    | Woosley, Stan                                  | Astro       | UCO Lick   | Space Telescop  | F                  | 39,077            | 3,510            |
| 04                 | 20010944    | Woosley, Stan                                  | Astro       | UCO Lick   | NASA/Goddard    | F                  | 35,865            | 9,718            |
| <b>04 Count</b>    | <b>62</b>   |  |             |            |                 |                    |                   |                  |
| <b>04 Total</b>    |             |  |             |            |                 |                    | <b>11,344,118</b> | <b>1,412,541</b> |
| 05                 | 20040401    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Ur    | F                  | 35,000            | 3,181            |
| 05                 | 20040401    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Ur    | F                  | 28,840            | 2,622            |
| 05                 | 20020958    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 51,000            | 10,003           |
| 05                 | 20050829    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Ur    | F                  | 45,700            | 4,570            |

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## Total Departmental Extramural Funding

| <b>AWARDS</b>      |             | <b>ASTRONOMY &amp; ASTROPHYSICS DEPARTMENT</b> |             |            |                   |                    |                   |                 |
|--------------------|-------------|--|-------------|------------|-------------------|--------------------|-------------------|-----------------|
| <b>Fiscal Year</b> | <b>SC #</b> | <b>PI Name</b>                                 | <b>Dept</b> | <b>MRU</b> | <b>Agency</b>     | <b>Agency Type</b> | <b>Award Amt.</b> | <b>Award IC</b> |
| 05                 | 20050275    | Bodenheimer, I                                 | Astro       | UCO Lick   | NSF               | F                  | 279,445           | 82,268          |
| 05                 | 20030254    | Bolte, Michael                                 | Astro       | UCO Lick   | NSF               | F                  | 76,661            | 22,975          |
| 05                 | 20030805    | Brodie, Jean                                   | Astro       | UCO Lick   | Space Telescop    | PHE                | 40,721            | 11,854          |
| 05                 | 20030802    | Brodie, Jean                                   | Astro       | UCO Lick   | Space Telescop    | F                  | 18,457            | 5,448           |
| 05                 | 20050345    | Brodie, Jean                                   | Astro       | UCO Lick   | Space Telescop    | F                  | 20,000            | 5,042           |
| 05                 | 20040928    | Brodie, Jean                                   | Astro       | UCO Lick   | Space Telescop    | F                  | 6,981             | 2,296           |
| 05                 | 20040955    | Faber, Sandra                                  | Astro       | UCO Lick   | Space Telescop    | F                  | 125,025           | 37,195          |
| 05                 | 20001247    | Faber, Sandra                                  | Astro       | UCO Lick   | NSF               | F                  | 267,271           | 85,409          |
| 05                 | 20040955    | Faber, Sandra                                  | Astro       | UCO Lick   | Space Telescop    | F                  | 125,025           | 37,195          |
| 05                 | 20040954    | Guhathakurta, Astro                            | Astro       | UCO Lick   | Space Telescop    | F                  | 69,295            | 20,534          |
| 05                 | 20040885    | Guhathakurta, Astro                            | Astro       | UCO Lick   | Space Telescop    | F                  | 36,263            | 10,330          |
| 05                 | 20050454    | Guhathakurta, Astro                            | Astro       | UCO Lick   | Space Telescop    | F                  | 22,615            | 6,615           |
| 05                 | 20040954    | Guhathakurta, Astro                            | Astro       | UCO Lick   | Space Telescop    | F                  | 69,295            | 20,534          |
| 05                 | 19987110    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins     | F                  | 74,873            | 23,706          |
| 05                 | 20040935    | Illingworth, Ga                                | Astro       | UCO Lick   | Space Telescop    | F                  | 10,553            | 3,470           |
| 05                 | 19987110    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins     | F                  | 186,548           | 59,260          |
| 05                 | 20040893    | Koo, David                                     | Astro       | UCO Lick   | Space Telescop    | F                  | 12,996            | 4,274           |
| 05                 | 20050057    | Koo, David                                     | Astro       | UCO Lick   | JPL               | F                  | 26,600            | 8,748           |
| 05                 | 20040991    | Koo, David                                     | Astro       | UCO Lick   | Space Telescop    | F                  | 59,597            | 17,522          |
| 05                 | 20050092    | Koo, David                                     | Astro       | UCO Lick   | Smithsonian A     | F                  | 37,231            | 10,600          |
| 05                 | 20050682    | Koo, David                                     | Astro       | UCO Lick   | NASA/Goddard      | F                  | 17,880            | 5,880           |
| 05                 | 20040991    | Koo, David                                     | Astro       | UCO Lick   | Space Telescop    | F                  | 59,596            | 17,522          |
| 05                 | 20050092    | Koo, David                                     | Astro       | UCO Lick   | Smithsonian A     | F                  | 111,692           | 36,730          |
| 05                 | 20050653    | Koo, David                                     | Astro       | UCO Lick   | NSF               | F                  | 15,000            | -               |
| 05                 | 20030910    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Goddard      | F                  | 61,500            | 13,271          |
| 05                 | 20030788    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Goddard      | F                  | 14,562            | 4,789           |
| 05                 | 20040393    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Ames Ur      | F                  | 30,000            | 5,000           |
| 05                 | 20041088    | Laughlin, Greg                                 | Astro       | UCO Lick   | NSF               | F                  | 97,465            | 28,156          |
| 05                 | 20020045    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard      | F                  | 118,706           | 37,501          |
| 05                 | 20020797    | Lin, Douglas                                   | Astro       | UCO Lick   | UCSD              | F                  | 10,000            | -               |
| 05                 | 20050312    | Lin, Douglas                                   | Astro       | UCO Lick   | University Affili | F                  | 26,885            | -               |
| 05                 | 20050596    | Lin, Douglas                                   | Astro       | UCO Lick   | JPL               | F                  | 18,000            | 5,920           |
| 05                 | 20051041    | Lin, Douglas                                   | Astro       | UCO Lick   | UCSD              | F                  | 32,000            | -               |

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## Total Departmental Extramural Funding

| <b>AWARDS</b>      |             | <b>ASTRONOMY &amp; ASTROPHYSICS DEPARTMENT</b> |             |            |                 |                    |                   |                  |
|--------------------|-------------|--|-------------|------------|-----------------|--------------------|-------------------|------------------|
| <b>Fiscal Year</b> | <b>SC #</b> | <b>PI Name</b>                                 | <b>Dept</b> | <b>MRU</b> | <b>Agency</b>   | <b>Agency Type</b> | <b>Award Amt.</b> | <b>Award IC</b>  |
| 05                 | 20040900    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 67,347            | 18,957           |
| 05                 | 20010771    | Madau, Piero                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 135,965           | 44,713           |
| 05                 | 20020856    | Madau, Piero                                   | Astro       | UCO Lick   | Space Telescop  | F                  | 41,548            | 3,867            |
| 05                 | 20020856    | Madau, Piero                                   | Astro       | UCO Lick   | Space Telescop  | F                  | 40,047            | 3,727            |
| 05                 | 19984660    | Max, Claire                                    | Astro       | UCO Lick   | NSF             | F                  | 4,000,000         | 425,141          |
| 05                 | 20030200    | Prochaska, Jas                                 | Astro       | UCO Lick   | NSF             | F                  | 8,645             | 1,658            |
| 05                 | 20040896    | Prochaska, Jas                                 | Astro       | UCO Lick   | Space Telescop  | F                  | 12,052            | 3,717            |
| 05                 | 20030201    | Prochaska, Jas                                 | Astro       | UCO Lick   | UCSD            | F                  | 22,465            | 6,894            |
| 05                 | 20040897    | Prochaska, Jas                                 | Astro       | UCO Lick   | Space Telescop  | F                  | 16,067            | 4,461            |
| 05                 | 20040896    | Prochaska, Jas                                 | Astro       | UCO Lick   | Space Telescop  | F                  | 12,051            | 3,716            |
| 05                 | 20050815    | Prochaska, Jas                                 | Astro       | UCO Lick   | UCSD            | F                  | 8,000             | 2,034            |
| 05                 | 20040356    | Prochaska, Jas                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 36,650            | 10,737           |
| 05                 | 20040897    | Prochaska, Jas                                 | Astro       | UCO Lick   | Space Telescop  | F                  | 16,067            | 4,462            |
| 05                 | 20030200    | Prochaska, Jas                                 | Astro       | UCO Lick   | NSF             | F                  | 92,303            | 28,119           |
| 05                 | 20040280    | Smith, Graeme                                  | Astro       | UCO Lick   | NSF             | F                  | 206,734           | 60,266           |
| 05                 | 20041027    | Smith, Graeme                                  | Astro       | UCO Lick   | NASA/Goddard    | F                  | 36,468            | 9,866            |
| 05                 | 20040402    | Stover, Richard                                | Astro       | UCO Lick   | California Asso | F                  | 6,535             | -                |
| 05                 | 20040066    | Thorsett, Stepl                                | Astro       |            | Krell Institute | F                  | 1,000             | -                |
| 05                 | 20001353    | Thorsett, Stepl                                | Astro       | UCO Lick   | NASA/Goddard    | F                  | 121,304           | 39,892           |
| 05                 | 20041080    | Thorsett, Stepl                                | Astro       |            | JPL             | F                  | 4,300             | -                |
| 05                 | 20050178    | Vogt, Steven                                   | Astro       | UCO Lick   | UCB             | PHE                | 200,000           | -                |
| 05                 | 20030231    | Vogt, Steven                                   | Astro       | UCO Lick   | NSF             | F                  | 127,087           | 39,699           |
| 05                 | 20010944    | Woosley, Stanf                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 141,232           | 43,178           |
| 05                 | 20010578    | Woosley, Stanf                                 | Astro       | UCO Lick   | DOE/Misc Offic  | F                  | 240,000           | 67,993           |
| 05                 | 20040933    | Woosley, Stanf                                 | Astro       | UCO Lick   | Space Telescop  | F                  | 16,257            | 5,346            |
| 05                 | 20020301    | Woosley, Stanf                                 | Astro       | UCO Lick   | NSF             | F                  | 138,000           | 39,206           |
| 05                 | 19976610    | Woosley, Stanf                                 | Astro       | UCO Lick   | MIT             | PHE                | 20,000            | 6,577            |
| 05                 | 20040340    | Woosley, Stanf                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 37,015            | 11,365           |
| 05                 | 20050126    | Woosley, Stanf                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 112,108           | 27,401           |
| 05                 | 20010578    | Woosley, Stanf                                 | Astro       | UCO Lick   | DOE/Misc Offic  | F                  | 240,000           | 67,992           |
| <b>05 Count</b>    | <b>67</b>   |  |             |            |                 |                    |                   |                  |
| <b>05 Total</b>    |             |  |             |            |                 |                    | <b>8,496,525</b>  | <b>1,631,404</b> |
| 06                 | 20050829    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Ur    | F                  | 49,300            | 4,482            |

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## Total Departmental Extramural Funding

| <b>AWARDS</b>      |             | <b>ASTRONOMY &amp; ASTROPHYSICS DEPARTMENT</b> |             |            |                   |                    |                   |                 |
|--------------------|-------------|--|-------------|------------|-------------------|--------------------|-------------------|-----------------|
| <b>Fiscal Year</b> | <b>SC #</b> | <b>PI Name</b>                                 | <b>Dept</b> | <b>MRU</b> | <b>Agency</b>     | <b>Agency Type</b> | <b>Award Amt.</b> | <b>Award IC</b> |
| 06                 | 20040401    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Ur      | F                  | 66,113            | 6,010           |
| 06                 | 20050829    | Bodenheimer, I                                 | Astro       | UCO Lick   | NASA/Ames Ur      | F                  | 36,663            | 3,333           |
| 06                 | 20050371    | Bolte, Michael                                 | Astro       | UCO Lick   | NSF               | F                  | 51,732            | 17,012          |
| 06                 | 20010092    | Bolte, Michael                                 | Astro       | UCO Lick   | NSF               | F                  | 34,484            | 9,260           |
| 06                 | 20050279    | Brodie, Jean                                   | Astro       | UCO Lick   | NSF               | F                  | 150,000           | 45,138          |
| 06                 | 20051069    | Brodie, Jean                                   | Astro       | UCO Lick   | Space Telesco     | F                  | 16,728            | 5,501           |
| 06                 | 20050164    | Brodie, Jean                                   | Astro       | UCO Lick   | NASA/Goddard      | F                  | 17,063            | 5,611           |
| 06                 | 20060607    | Brodie, Jean                                   | Astro       | UCO Lick   | NASA/Goddard      | F                  | 19,400            | 5,346           |
| 06                 | 20050279    | Brodie, Jean                                   | Astro       | UCO Lick   | NSF               | F                  | 150,000           | 46,128          |
| 06                 | 20050683    | Epps, Harland                                  | Astro       | UCO Lick   | California Asso   | F                  | 668,250           | -               |
| 06                 | 20050953    | Faber, Sandra                                  | Astro       | UCO Lick   | Space Telesco     | F                  | 39,821            | 13,095          |
| 06                 | 20040400    | Faber, Sandra                                  | Astro       | UCO Lick   | NSF               | F                  | 7,000             | -               |
| 06                 | 20050333    | Faber, Sandra                                  | Astro       | UCO Lick   | NSF               | F                  | 431,046           | 131,381         |
| 06                 | 20050953    | Faber, Sandra                                  | Astro       | UCO Lick   | Space Telesco     | F                  | 39,821            | 13,095          |
| 06                 | 20040885    | Guhathakurta, Astro                            | Astro       | UCO Lick   | Space Telesco     | F                  | 36,263            | 10,330          |
| 06                 | 20050896    | Guhathakurta, Astro                            | Astro       | UCO Lick   | Space Telesco     | F                  | 45,410            | 4,903           |
| 06                 | 20050896    | Guhathakurta, Astro                            | Astro       | UCO Lick   | Space Telesco     | F                  | 42,409            | 3,916           |
| 06                 | 20051207    | Illingworth, Ga                                | Astro       | UCO Lick   | JPL               | F                  | 15,983            | 5,256           |
| 06                 | 20051205    | Illingworth, Ga                                | Astro       | UCO Lick   | JPL               | F                  | 87,191            | 27,687          |
| 06                 | 20040935    | Illingworth, Ga                                | Astro       | UCO Lick   | Space Telesco     | F                  | 10,553            | 3,470           |
| 06                 | 19987110    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins     | F                  | 114,717           | 36,442          |
| 06                 | 19987110    | Illingworth, Ga                                | Astro       | UCO Lick   | Johns Hopkins     | F                  | 99,236            | 31,253          |
| 06                 | 20050626    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco     | F                  | 48,965            | 15,618          |
| 06                 | 20060151    | Koo, David                                     | Astro       | UCO Lick   | JPL               | F                  | 13,330            | 4,384           |
| 06                 | 20051026    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco     | F                  | 56,823            | 18,687          |
| 06                 | 20050626    | Koo, David                                     | Astro       | UCO Lick   | Space Telesco     | F                  | 48,965            | 15,618          |
| 06                 | 20050237    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Ames Re      | F                  | 54,520            | 4,956           |
| 06                 | 20030910    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Goddard      | F                  | 49,000            | 13,457          |
| 06                 | 20030915    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Goddard      | F                  | 262,000           | 81,034          |
| 06                 | 20041088    | Laughlin, Greg                                 | Astro       | UCO Lick   | NSF               | F                  | 97,916            | 29,000          |
| 06                 | 20060940    | Laughlin, Greg                                 | Astro       | UCO Lick   | University Affili | F                  | 20,000            | -               |
| 06                 | 20030910    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Goddard      | F                  | 50,800            | 13,780          |
| 06                 | 20030788    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Goddard      | F                  | 14,562            | 4,789           |

## Appendix Ib.1

## Total Departmental Extramural Funding

| <b>AWARDS</b>      |             | <b>ASTRONOMY &amp; ASTROPHYSICS DEPARTMENT</b> |             |            |                 |                    |                   |                  |
|--------------------|-------------|--|-------------|------------|-----------------|--------------------|-------------------|------------------|
| <b>Fiscal Year</b> | <b>SC #</b> | <b>PI Name</b>                                 | <b>Dept</b> | <b>MRU</b> | <b>Agency</b>   | <b>Agency Type</b> | <b>Award Amt.</b> | <b>Award IC</b>  |
| 06                 | 20060776    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Ames Ur    | F                  | 23,417            | 3,903            |
| 06                 | 20030915    | Laughlin, Greg                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 135,000           | 41,681           |
| 06                 | 20020933    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 40,000            | 13,154           |
| 06                 | 20051041    | Lin, Douglas                                   | Astro       | UCO Lick   | UCSD            | F                  | 27,613            | -                |
| 06                 | 20050596    | Lin, Douglas                                   | Astro       | UCO Lick   | JPL             | F                  | 18,000            | 5,919            |
| 06                 | 20040900    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 67,347            | 18,638           |
| 06                 | 20050925    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 75,000            | 22,725           |
| 06                 | 20050925    | Lin, Douglas                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 75,000            | 22,725           |
| 06                 | 20030958    | Madau, Piero                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 28,812            | 8,543            |
| 06                 | 20030958    | Madau, Piero                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 50,396            | 14,942           |
| 06                 | 20030958    | Madau, Piero                                   | Astro       | UCO Lick   | NASA/Goddard    | F                  | 97,855            | 29,647           |
| 06                 | 20060098    | Mathews, Willia                                | Astro       | UCO Lick   | JPL             | F                  | 17,286            | 5,684            |
| 06                 | 20030039    | Mathews, Willia                                | Astro       | UCO Lick   | NASA/Goddard    | F                  | 42,754            | 12,817           |
| 06                 | 20051099    | Mathews, Willia                                | Astro       | UCO Lick   | NASA/Goddard    | F                  | 4,000             | 1,316            |
| 06                 | 20030039    | Mathews, Willia                                | Astro       | UCO Lick   | NASA/Goddard    | F                  | 42,754            | 12,817           |
| 06                 | 19984660    | Max, Claire                                    | Astro       | UCO Lick   | NSF             | F                  | 4,000,000         | 403,988          |
| 06                 | 20030054    | Max, Claire                                    | Astro       | UCO Lick   | Gordon & Betty  | PF                 | 4,000,000         | -                |
| 06                 | 20050600    | Prochaska, Jas                                 | Astro       | UCO Lick   | Space Telesco   | F                  | 45,530            | 12,302           |
| 06                 | 20050935    | Prochaska, Jas                                 | Astro       | UCO Lick   | Space Telesco   | F                  | 41,338            | 11,564           |
| 06                 | 20050937    | Prochaska, Jas                                 | Astro       | UCO Lick   | NASA/Goddard    | F                  | 80,000            | 23,975           |
| 06                 | 20050600    | Prochaska, Jas                                 | Astro       | UCO Lick   | Space Telesco   | F                  | 45,529            | 12,301           |
| 06                 | 20050935    | Prochaska, Jas                                 | Astro       | UCO Lick   | Space Telesco   | F                  | 41,337            | 11,565           |
| 06                 | 20041027    | Smith, Graeme                                  | Astro       | UCO Lick   | NASA/Goddard    | F                  | 37,745            | 10,073           |
| 06                 | 20040402    | Stover, Richard                                | Astro       | UCO Lick   | California Asso | F                  | 59,789            | -                |
| 06                 | 20050343    | Thorsett, Stepl                                | Astro       | UCO Lick   | NSF             | F                  | 59,975            | 19,723           |
| 06                 | 20040066    | Thorsett, Stepl                                | Astro       |            | Krell Institute | F                  | 1,000             | -                |
| 06                 | 20050343    | Thorsett, Stepl                                | Astro       | UCO Lick   | NSF             | F                  | 111,980           | 31,706           |
| 06                 | 20030231    | Vogt, Steven                                   | Astro       | UCO Lick   | NSF             | F                  | 130,948           | 40,683           |
| 06                 | 20060865    | Vogt, Steven                                   | Astro       | UCO Lick   | San Francisco   | PHE                | 50,000            | -                |
| 06                 | 20050646    | Woosley, Stanf                                 | Astro       | UCO Lick   | NSF             | F                  | 621,400           | -                |
| 06                 | 20050646    | Woosley, Stanf                                 | Astro       | UCO Lick   | NSF             | F                  | 478,600           | -                |
| <b>06 Count</b>    | <b>65</b>   |  |             |            |                 |                    |                   |                  |
| <b>06 Total</b>    |             |  |             |            |                 |                    | <b>13,496,469</b> | <b>1,422,363</b> |

Appendix Ib.1

Total Departmental Extramural Funding

| <b>AWARDS</b>                                  |             |                |             |            |               |                    |                   |                  |
|--|-------------|----------------|-------------|------------|---------------|--------------------|-------------------|------------------|
| <b>ASTRONOMY &amp; ASTROPHYSICS DEPARTMENT</b> |             |                |             |            |               |                    |                   |                  |
| <b>Fiscal Year</b>                             | <b>SC #</b> | <b>PI Name</b> | <b>Dept</b> | <b>MRU</b> | <b>Agency</b> | <b>Agency Type</b> | <b>Award Amt.</b> | <b>Award IC</b>  |
| <b>Grand Count</b>                             |             | <b>351</b>     |             |            |               |                    |                   |                  |
| <b>Grand Total</b>                             |             |                |             |            |               |                    | <b>64,370,861</b> | <b>8,273,696</b> |

**F = Federal**

**I = UC**

**PF = Private Foundation**

**PHE + Private/Public Higher Education**