



| Dr. Pamela M. Marcum (Administrative PI)        |  |
|---|--|
| Current Support                                 |  |
| <b>Title</b>                                    | ROSALIA: Roman's Sky Analyst for LSB Imaging & Astronomy   |
| <b>Source of Support</b>                        | NASA/Roman Research & Support  |
| <b>Program POC</b>                              | Dominic Benford; dominic.j.benford@nasa.gov  |
| <b>Sci PI</b>                                   | Alex Borlaff   |
| <b>Admin PI</b>                                 | Pamela Marcum  |
| <b>Award Period</b>                             | 09/01/2023–09/01/2027  |
| <b>FTE</b>                                      | 0.25, 0.2, 0.2, 0.25 (Years 1,2,3,4 resp.)   |
| <b>Title</b>                                    | Extended Hot Gas Halos of Galaxies   |
| <b>Source of Support</b>                        | NASA/ADAP  |
| <b>Program POC</b>                              | Douglas Hudgins; (202) 358-0988; douglas.m.hudgins@nasa.gov  |
| <b>PI</b>                                       | Pamela Marcum  |
| <b>Sci PI</b>                                   | Alex Borlaff   |
| <b>Award Period</b>                             | (anticipated) 04/15/2023–04/15/2026  |
| <b>Award Amount</b>                             | \$995,417  |
| <b>FTE</b>                                      | 0.35, 0.25, 0.40 (Years 1, 2, 3 resp.)   |
| <b>Title</b>                                    | STRAYCOR: Stray-light Background Correction for HST ACS and WFC3   |
| <b>Source of Support</b>                        | NASA/HST Archive   |
| <b>Program POC</b>                              | STScI/AURA; (410) 338-4200; gms_mail@stsci.edu   |
| <b>Sci PI</b>                                   | Alex Borlaff   |
| <b>Admin PI</b>                                 | Pamela Marcum  |
| <b>Award Period</b>                             | (anticipated) 03/20/2023–03/20/2025  |
| <b>Award Amount</b>                             | \$368,868  |
| <b>FTE</b>                                      | 0.25, 0.25 (Years 1, 2, resp.)   |
| Pending Grant Support (including this proposal) |  |
| <b>Title</b>                                    | ( <a href="#">this proposal</a> ) Observing the Merger-induced Formation of a Nuclear Star Cluster in UGC 7346 |
| <b>Source of Support</b>                        | NASA/HSTGOCY32   |
| <b>Program POC</b>                              | STScI/AURA; (410) 338-4200; gms_mail@stsci.edu   |
| <b>Sci PI</b>                                   | Pedro Sanchez Alarcon  |
| <b>Admin PI</b>                                 | Pamela Marcum  |
| <b>Award Period</b>                             | 02/01/2026–02/01/2028  |
| <b>Award Amount</b>                             | \$50,548   |
| <b>FTE</b>                                      | 0.142 (Years 1-2)  |