

Here is a test.

First sentence with this reference [Biviano et al. 2021].

| Task Description   | Start |   | Finish |   | Task     | Team               |
|--|-------|---|--------|---|----------|--------------------|
|  | Y     | Q | Y      | Q | Lead     | Expertise          |
| <b>Task A: Refine the distance to UGC 7346</b>                                     |       |   |        |   |          |                    |
| A1: Generate model-subtracted images free of large-scale residuals                 | 1     | 1 | 1      | 2 | Admin-PI | co-I(1)            |
| A2: Photometry on resolved stellar pop to compute distance via tip of RGB          | 1     | 1 | 1      | 2 | Admin-PI | co-I(1)            |
| A3: Derive point spread function using resolved stars                              | 1     | 2 | 1      | 2 | co-I(1)  | team               |
| A4: Stellar pop analysis using IFU data  | 1     | 1 | 1      | 2 | Sci-PI   | co-I(3,5)          |
| A5: Construct spatial power spectrum and compute inferred distance                 | 1     | 2 | 1      | 3 | Admin-PI | co-I(1,3)          |
| A6: Paper 1: An accurate distance for UGC 7346: Virgo Cluster member?              | 1     | 3 | 1      | 4 | Sci-PI   | Admin-PI, co-I(1), |
| <b>Task B: Derive globular cluster (GC) luminosity function</b>                    |       |   |        |   |          |                    |
| B1: F814W-F606W colors to identify GC candidates in model-subtracted maps          | 1     | 3 | 1      | 4 | Sci-PI   | co-I(3,5)          |
| B2: Use TINY TIM HST PDF models to deconvolve images                               | 1     | 4 | 1      | 4 | co-I(1)  | Sci-PI, co-I(5)    |
| B3: Fit 2D King models using GALFIT to derive core radii for GC candidates         | 1     | 4 | 2      | 1 | Sci-PI   | co-I(3,5)          |
| B4: Bayesian statistical analysis to reject interlopers with unphysical color/size | 2     | 1 | 2      | 2 | Sci-PI   | co-I(1,3)          |
| B5: Compute GC luminosity function using validated GCs                             | 2     | 1 | 2      | 2 | Sci-PI   | co-I(1,3)          |
| B6: Paper 2: Tracing the full luminosity function of UGC 7346                      | 2     | 2 | 2      | 3 | Sci-PI   | co-I(3), Admin-PI  |
| <b>Task C: Perform spatial structural analysis</b>                                 |       |   |        |   |          |                    |
| C1: Identify morphological features indicative of galaxy merger                    | 1     | 1 | 1      | 2 | Sci-PI   | co-I(2,4)          |
| C2: Use IFU data to derive kinematics of central region of galaxy                  | 1     | 1 | 1      | 3 | Sci-PI   | co-I(2,4)          |
| C3: Spatially correlate kinematics with features                                   | 1     | 3 | 2      | 1 | Sci-PI   | co-I(2,4)          |
| C4: Paper 3: Is GC system in act of collapsing?                                    | 2     | 2 | 2      | 4 | Sci-PI   | co-I(3,4)          |

**Table 1. Task Timeline:** Team member roles, rightmost column, are cross-referenced with corresponding names in the non-anonymized personnel and work effort table. **Paper 1:** Sample and methods for enhancing detectability of low SB X-ray emission, presentation of emission maps, description of database and pipeline software (which will be released in a public repository at the time of paper submission). **Paper 2:** Methodologies for measuring the gas halo size and other gas properties, analysis of the diffuse hot gas halos as functions of galaxy properties (environment, galaxy morphology, stellar mass, and SFR) based on , , and observations, and the SED models from the GSWLC; application of multivariate methods to “baseline” the gas halo sizes (Sect. ??). **Note 1:** See Sec. ??.

Another reference is [Bressan et al. 1994] here.

Anantharamaiah & Goss [1996] is another reference and here is reference to Table 2.

Let’s mention the same citations again, Bressan et al. [1994], Biviano et al. [2021, e.g.].

| Travel Cost Details |        |          |                 |          |           |                |          |          |
|---------------------|--------|----------|-----------------|----------|-----------|----------------|----------|----------|
| Year                | #Trips | Dest.    | <i>per trip</i> |          |           |                |          | Total    |
|                     |        |          | Airfare         | per diem | Conf. Fee | Ground Transp. | per trip |          |
| <b>Yr1</b>          | 3      | domestic | \$700           | \$1,320  | \$500     | \$300          | \$2,820  | \$8,460  |
|                     | 1      | intern'l | \$1,750         | \$1,600  | \$800     | \$500          | \$4,650  | \$4,650  |
| <b>Yr2</b>          | 2      | domestic | \$700           | \$1,340  | \$500     | \$305          | \$2,845  | \$5,690  |
|                     | 4      | intern'l | \$1,750         | \$1,625  | \$800     | \$505          | \$4,680  | \$18,725 |

Table 2.

#### Notes and assumptions:

While final destinations are not known at this time, domestic and international costs are estimated based on values taken from NASA Travel Guidebook using historical averages for a 5– and 5–day conference for U.S. and European cities, resp., likely to host topical meetings aligned with the science of the proposed work. Domestic lodging and per diem rates are set by the GSA; international lodging and per diem are set by the Dept. of State (note that M&IE is included in the per diem values shown here).

**Yrs 1-2 funds will be used to present pre-publication findings at science conferences and potentially to fund trips for collaboration with team members (i.e., NASA/GSFC).**

DOMESTIC: per diem+M&IE, car rental/day at \$265 and \$60, resp.

INTERNATIONAL: per diem+M&IE, public transport/day estimated at \$320 and \$100, resp.

TRAVEL PER TEAM MEMBER (summed over 2-year grant):

**Sci-PI**: 2 domestic trips; 3 intern'l trips;

**Admin-PI**: 3 domestic trips; 2 intern'l trips;

All travel will be to present science results of this project at conferences and/or visits to home institutions of the team members for in-person collaboration. Note that above values above do not include institutional overhead.

## REFERENCES

- Anantharamaiah, K. R., & Goss, W. M. 1996, ApJ, 466, L13, doi: [10.1086/310157](https://doi.org/10.1086/310157)
- Biviano, A., van der Burg, R. F. J., Balogh, M. L., et al. 2021, A&A, 650, A105, doi: [10.1051/0004-6361/202140564](https://doi.org/10.1051/0004-6361/202140564)
- Bressan, A., Chiosi, C., & Fagotto, F. 1994, ApJ, 94, 63, doi: [10.1086/192073](https://doi.org/10.1086/192073)