

# DELVE Ubercalibration Pipeline Summary (g-band, Test Region)

| Phase | Description       | Key Metric                    | Status |
|-------|-------------------|-------------------------------|--------|
| 0     | Data Ingestion    | 13,876 stars, 104,922 dets    | PASS   |
| 1     | Overlap Graph     | 4,184 CCD-exp, 100% connected | PASS   |
| 2     | CG Solver         | CG converges (318/106 iter)   | PASS   |
|       | Unanchored        | DES diff RMS: 41.9 mmag       | PASS   |
|       | Anchored          | DES diff RMS: 15.7 mmag       | PASS   |
| 3     | Outlier Rejection | RMS: 30.7 -> 11.9 mmag        | PASS   |
|       | Anchored          | DES diff RMS: 5.0 mmag        | PASS   |
|       | Stars flagged     | 4,840 (34.9%)                 | PASS   |
| 4     | Star Flat         | Mean correction: 5.7 mmag     | PASS   |
|       | CCDs fitted       | 62 (CCD, epoch) groups        | PASS   |
|       | Max correction    | 23.1 mmag (CCD 62)            | PASS   |