





ACS: Future Work

- "High Dynamic Range" WFC Superdark
 - Selectively merging the 1000.5 sec and 0.5 sec calibration darks
 - Eliminates superdark saturated pixels and pixel-blooms
 - Vast majority of ACS WFC exposures are ≪1000 sec
- Major improvements to DARKCORR in CALACS
 - More robust DARKTIME calculation and usage (empirical overheads)
 - Combine HDR superdark with CCD full-well/bloom model
- Improved ERR handling with CTECORR & AstroDrizzle
- Incorporation of updated WFC L-flats (w/ 47 Tuc)
- Cyc26+ CAL program: ω Cen cross-cal with WFC3/UVIS

ACS: User Documentation

- ACS ISRs since the previous MSR: (Nov'18 May'19)
 - 2018-08: "Focus-diverse, empirical PSF models for the ACS/WFC"
 - 2018-09 : "ACS/WFC Parallel CTE from EPER Tests"
 - 2019-01: "The ACS/WFC G800L Grism: I. Long-term Stability"
 - 2019-02: "Post-SM4 ACS/WFC Bias I: The Read Noise History"
- ACS Instrument Handbook for Cycle 27 (Ryon et al.)
- ACS Space Telescope Analysis Newsletter (Jan'19)