Vera C. Rubin Observatory

Image Capture Simplification

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Current Image Capture
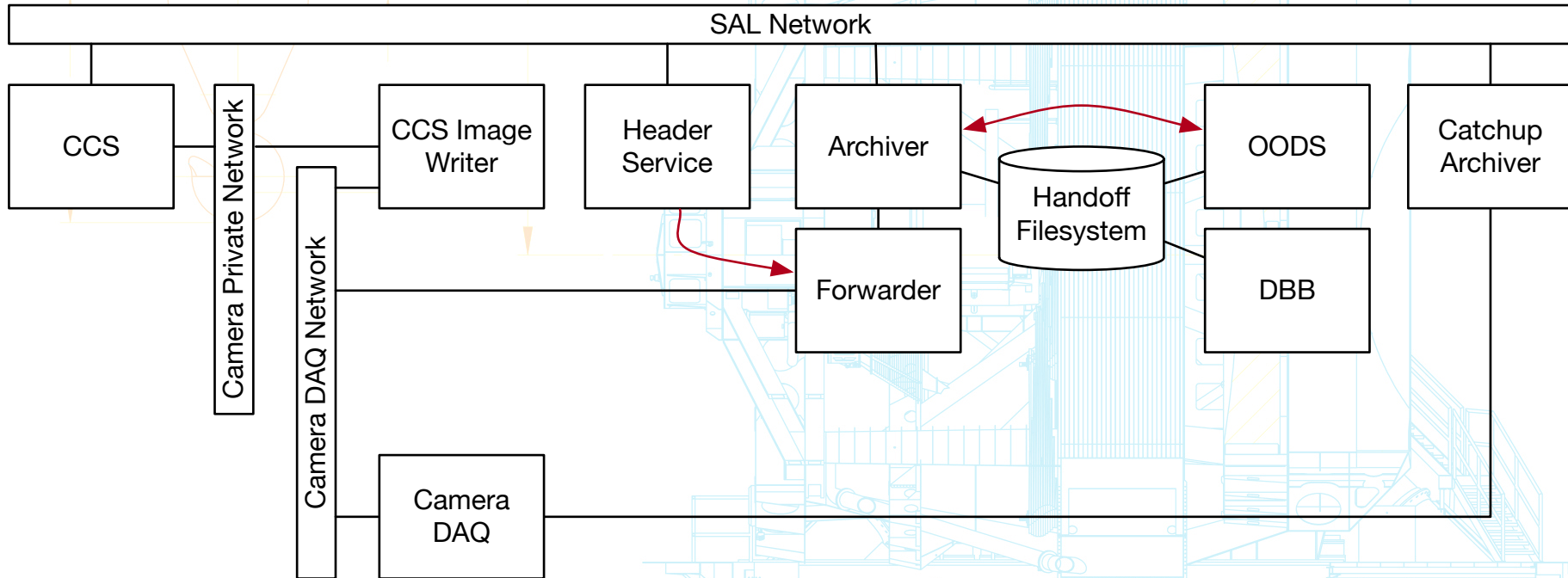
Proposed Removal of DM Capture
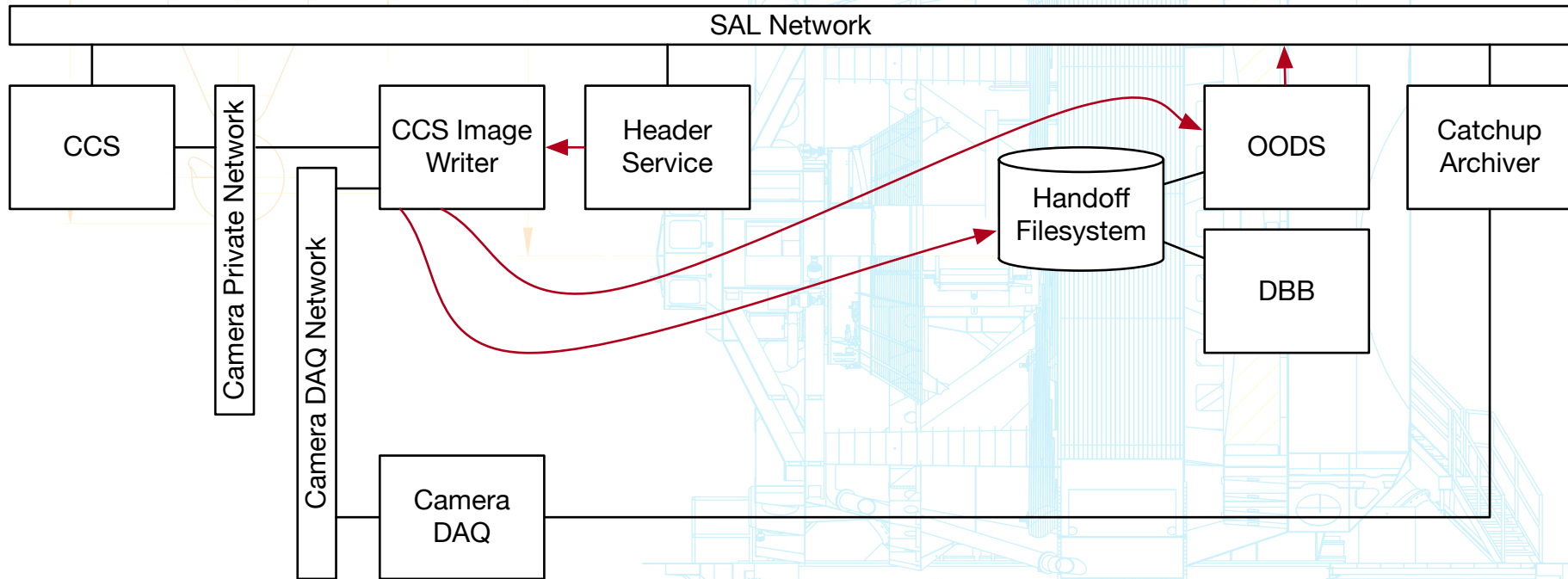
Benefits

- Reduced code maintenance
- No need for DAQ client over DWDM
- No possibility of Archiver being disabled/down when image is taken
- Single source of image truth
- Engineering images captured the same way as science/calibration

Necessary Additions, in priority order

1. Header Service/LFA interface
2. Copy to "handoff" for OODS/DBB and to Prompt Processing
3. Possibly trigger OODS and Prompt Processing
4. Telemetry and events
5. Fault tolerance and hot spares

Header Service Integration

- Removes LFA round-trip
- CCS is already authoritative source for many items
- No possibility of Header Service being disabled/down when image is taken