



# Recommendations WBS 1.2

DARK ENERGY  
SURVEY

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- 1) The recent wafer thinning results demonstrate a clear exposure to the performance of a single vendor. The project should investigate its exposure to single vendors and try to mitigate the risk by qualifying a second vendor in any area of possible exposure. **DONE, ORDERED 5 EACH of Lot 2C&D WAFERS TO BE THINDED AT AN ALTERNATE VENDOR.**
- 2) Since it is likely that Lot 3 wafers will be needed, the project should use the actual cost of Lot 3 wafers as part of the base cost. If the wafer yield from Lot 2 is such that Lot 3 wafers would not be needed, then use the approved change-request procedure. The savings could be added to the project contingency. **IT IS MORE LIKELY THAT LOT 3 WAFERS WILL NOT BE NEEDED THAN THAT THEY WILL BE. WE ADDED a Lot 2F AT DALSA TO MAKE UP FOR BROKEN WAFERS IN PRIOR LOTS AND MAINTAINED LOT 3 AS CONTINGENCY.**



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- 3) The multi-CCD testing task should be split into 3 separate tasks, each being 10 weeks in duration. System tests could be done initially with a partially populated focal plane, with the tests becoming more extensive as the focal plane becomes more fully populated. The project should develop a plan of what they want to accomplish during these tests. **DONE (2 TASKS)**
- 4) Look for ways to advance the delivery of production-version “focal plane support plates” from WBS 1.5. **IN PROGRESS**
- 5) Advance the R&D of the packaging of 2k x 2k (“guide-and-focus”) CCD’s. **DONE**
- 6) Explore ways to shorten the procurement time of M&S from LBNL, using for example inter-laboratory agreements or memorandum purchase orders. **DONE**



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- 6) Scrub the cost & schedule for consistency with the supporting BOE documents, especially for the labor estimate of module assembly. **DONE**
- 7) Take advantage of cost savings from reusing parts from failed CCD packages. **DONE**