

<p align="center">Ocean Color Experiment 3 (OCE-3) IDL Parametric Cost Estimate (IDL = Instrument Design Lab) (Development and Production Costs)</p>	<p align="center">Flight Units = 1 Eng Design Units = 1 Cost Estimate (FY\$12)</p>																																				
<p align="center">PRICE-H Cost Model Summary 09-Jul-12</p> <p>OCE-3 Instrument (FU=1, EDU=1) (CBE 279.04 kg)  <i>Scan Drum and Mechanism Assembly (54.86 kg)</i>  <i>Momentum Compensation Assembly (31.84 kg)</i>  <i>Cradle Assembly (32.06 kg)</i>  <i>Aft Optics/Detector Assembly (54.94 kg)</i>  <i>Digitizer Box Assembly (11.27 kg)</i>  <i>Main Electronics Box/ MEB Assembly (7.24 kg)</i>  <i>Mechanism Control Electronics Box/ MCEB Assembly (8.21 kg)</i>  <i>Purge and Venting Hardware (SS, TRL-6)</i>  <i>Harness Assembly (18.46 kg)</i>  <i>Thermal Assembly (44.87 kg)</i>  <i>5% misc Hardware (CME Steel and TRL-7)</i>  <i>OCE-3 Instrument Integration and Test</i></p> <p><i>CCD Detectors (1 km, 4 prototypes, 2 flight (1-red, 1-blue), 2 spares (1-red, 1-blue), SEER-H Estimate)</i>  <i>CCD Detector (250m, 2 prototypes, 1 flight, 1 spare, SEER-H Estimate)</i></p> <p align="right"><b>Instrument Payload Estimate</b></p>	<table border="0"> <tr> <td align="right">\$92,085,110</td> <td></td> </tr> <tr> <td></td> <td align="right">\$19,360,650</td> </tr> <tr> <td></td> <td align="right">\$4,396,379</td> </tr> <tr> <td></td> <td align="right">\$5,428,934</td> </tr> <tr> <td></td> <td align="right">\$18,579,480</td> </tr> <tr> <td></td> <td align="right">\$8,848,039</td> </tr> <tr> <td></td> <td align="right">\$10,344,232</td> </tr> <tr> <td></td> <td align="right">\$10,972,703</td> </tr> <tr> <td></td> <td align="right">\$358,362</td> </tr> <tr> <td></td> <td align="right">\$3,119,955</td> </tr> <tr> <td></td> <td align="right">\$6,727,069</td> </tr> <tr> <td></td> <td align="right">\$1,028,429</td> </tr> <tr> <td></td> <td align="right">\$2,920,877</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td align="right">\$1,787,019</td> <td></td> </tr> <tr> <td align="right">\$1,275,940</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td align="right"><b>\$95,148,069</b></td> <td></td> </tr> </table>	\$92,085,110			\$19,360,650		\$4,396,379		\$5,428,934		\$18,579,480		\$8,848,039		\$10,344,232		\$10,972,703		\$358,362		\$3,119,955		\$6,727,069		\$1,028,429		\$2,920,877			\$1,787,019		\$1,275,940				<b>\$95,148,069</b>	
\$92,085,110																																					
	\$19,360,650																																				
	\$4,396,379																																				
	\$5,428,934																																				
	\$18,579,480																																				
	\$8,848,039																																				
	\$10,344,232																																				
	\$10,972,703																																				
	\$358,362																																				
	\$3,119,955																																				
	\$6,727,069																																				
	\$1,028,429																																				
	\$2,920,877																																				
\$1,787,019																																					
\$1,275,940																																					
<b>\$95,148,069</b>																																					
<p>The Following are NOT PRICE-H estimates but may be derived from PRICE-H estimates. These are included for completeness and are considered ROM 'Grass-roots' estimates. Consult the Grass-roots estimating organization for a more accurate estimate.</p> <p>Flight Software (SEER-SEM Estimate based upon Source Lines of Code (SLOC) Estimate) \$1,800,691  Flight Software Sustaining Engineering (SEER-SEM Estimate based upon SLOC estimate, 3 year mission) \$678,317  FSW test bed simulator software development (IDL Grassroots FSW Discipline Expert Estimate) \$362,100  FSW test bed GSE (IDL Grassroots FSW Discipline Expert Estimate) \$293,000  FPGA Development (IDL Grassroots Estimate) \$5,200,000  Ground Support Equipment (GSE) (5% of Instrument Cost Estimate) \$4,757,403  Environmental Testing (5% of Instrument Cost Estimate) \$4,757,403  Component Level Flight Spares (10% of Instrument Cost Estimate) \$9,514,807  Engineering Test Unit (ETU) at subassy level (10% of Instrument Cost Estimate) \$9,514,807  Instrument to S/C Bus Integration &amp; Test (5% of Instrument Cost Estimate, Typically Included in WBS 10.0) \$4,757,403</p>																																					
<p align="right"><b>Instrument Total</b></p>	<p align="right"><b>\$136,784,002</b></p>																																				