

OBS10-006A: GMOS New CCDs (J. White) (ENG10-004)

Name	Duration	hh mm	Work Hou	Percent Con	Start Date	End Date	Task Owner	Resources
-Phase 0: Project Planning	164d		189.70	16.45%	Jun 17 2010 08:00	Feb 14 2011 17:00		
-General Project Planning and Project Initiation	164d		61.20	50.98%	Jun 17 2010 08:00	Feb 14 2011 17:00		
+Project Initiation Meetings	134d		6.00	100.00%	Jun 17 2010 08:00	Jan 03 2011 08:00		
+Project Planning Meetings	133d	2h	15.20	60.53%	Jun 18 2010 08:00	Jan 03 2011 10:00		
+Project Planning (Systems Support)	30d		40.00	40.00%	Jan 03 2011 08:00	Feb 14 2011 17:00		
-Acceptance Test Preparations	6d		10.00	0.00%	Jan 03 2011 08:00	Jan 11 2011 08:00		
Begin AT Preparations			0.00	0.00%	Jan 03 2011 08:00	Jan 03 2011 08:00		
Review HIA AT Plan	1d		2.00	0.00%	Jan 03 2011 08:00	Jan 03 2011 17:00		
Revise/Amend AT Plan as Appropriate	5d		8.00	0.00%	Jan 04 2011 08:00	Jan 10 2011 17:00		
AT Plan Ready			0.00	0.00%	Jan 11 2011 08:00	Jan 11 2011 08:00		
-Review Contract Deliverables and ICDs	2d		1.50	0.00%	Jan 03 2011 08:00	Jan 05 2011 08:00		
Begin Review of Contract Deliverables and ICDs			0.00	0.00%	Jan 03 2011 08:00	Jan 03 2011 08:00		
Review Contract to Determine Actual Deliverables(inv.	1d		1.00	0.00%	Jan 03 2011 08:00	Jan 03 2011 17:00		
Send a summary to the Gemini GMOS-CCDs projec	1d		0.50	0.00%	Jan 04 2011 08:00	Jan 04 2011 17:00		
Review of Contract Deliverables Complete			0.00	0.00%	Jan 05 2011 08:00	Jan 05 2011 08:00		
-Review, Develop Internal docs and procedures	10d		72.00	0.00%	Jan 03 2011 08:00	Jan 18 2011 08:00		
Begin Assessment, Development, and Review of Internal Documentation a	0.00		0.00%	Jan 03 2011 08:00	Jan 03 2011 08:00			
Assess current state of documentation and recomme	3d		8.00	0.00%	Jan 03 2011 08:00	Jan 05 2011 17:00		
Mechanical Removal, Transportation, and Installation	4d		16.00	0.00%	Jan 06 2011 08:00	Jan 11 2011 17:00		
Electrical Connections and Safeguards Documentati	4d		16.00	0.00%	Jan 06 2011 08:00	Jan 11 2011 17:00		
Verification and Validation Documentation	4d		16.00	0.00%	Jan 06 2011 08:00	Jan 11 2011 17:00		
Review Newly Created Documentation	1d		8.00	0.00%	Jan 12 2011 08:00	Jan 12 2011 17:00		
Personnel and Equipment Safety(including environme	2d		8.00	0.00%	Jan 13 2011 08:00	Jan 14 2011 17:00		
Assessment, Development and Review of Internal Documentation Complet	0.00		0.00%	Jan 18 2011 08:00	Jan 18 2011 08:00			
-Planning for Dewar Transition (Summit->HBF->Su	21d		45.00	0.00%	Jan 03 2011 08:00	Feb 02 2011 08:00		
Planning for Dewar Transition	30ed		45.00	0.00%	Jan 03 2011 08:00	Feb 02 2011 08:00	John White (0.69%)	Michael Sheehan (2.78%), Mario Calderara (2.78%)
-Phase I: HBF Lab Controller Testing	199d	4h	1,282.00	1.17%	Jul 29 2010 13:00	May 20 2011 08:00		
-E2V Noise Characterization Assessment	36d		26.00	38.46%	Nov 08 2010 08:00	Jan 03 2011 08:00		
Begin E2V Noise Characterization Assessment			0.00	100.00%	Jan 03 2011 08:00	Jan 03 2011 08:00		
Assemble and Analyze Saved E2V Noise Characteri	5d		8.00	100.00%	Nov 08 2010 08:00	Nov 15 2010 17:00	Katherine Roth (20.00%)	
Assess If Additional Baseline Data Are Required	1d		2.00	100.00%	Nov 16 2010 08:00	Nov 16 2010 17:00	Katherine Roth (12.50%)	Brian Walls (12.50%)
Acquire Additional Baseline E2V Bias Frames	1d		8.00	0.00%	Nov 22 2010 08:00	Nov 22 2010 17:00	Katherine Roth	
Reduce and Analyze Additional Baseline Noise Data	10d		8.00	0.00%	Nov 23 2010 08:00	Dec 07 2010 17:00	Katherine Roth (10.00%)	
E2V Noise Characterization Assessment Complete			0.00	0.00%	Dec 08 2010 08:00	Dec 08 2010 08:00		
-Preparations for Arrival of Hamamatsu CCDs	142d	6h	514.00	0.97%	Jul 29 2010 13:00	Feb 28 2011 10:00		
-Clean Room Preparations	67d	2h	86.00	2.33%	Oct 20 2010 08:00	Jan 31 2011 10:00		
Cleaning lab and tools	19d	2h	24.00	0.00%	Jan 03 2011 08:00	Jan 31 2011 10:00	Neal Masuda (15.58%)	
Purchase New Clean Room	30d		2.00	100.00%	Oct 20 2010 08:00	Dec 03 2010 17:00	Michael Sheehan (0.83%)	
Setup Clean Room	15d		50.00	0.00%	Dec 06 2010 07:30	Dec 21 2010 18:30	John White (60.00%)	Kevin Hanna (25.00%), Michael Sheehan (2.08%)
Installation of Tools and supporting infrastructure	3d		10.00	0.00%	Jan 03 2011 08:00	Jan 05 2011 17:00	John White (41.67%)	
-Detector Lab Preparations	142d	6h	150.00	0.00%	Jul 29 2010 13:00	Feb 28 2011 10:00		
-Software Preparations(FIXED DEADLINES)	6d	4h	30.00	0.00%	Jul 29 2010 13:00	Aug 06 2010 17:00		
-Data analysis Machine setup	2d	4h	20.00	0.00%	Jul 29 2010 13:00	Aug 02 2010 17:00		
Prepare Data Analysis Machine	2d	4h	20.00	0.00%	Jul 29 2010 13:00	Aug 02 2010 17:00	#SWRT EngineerGN	
-Observatory Software I&T	1d	2h	10.00	0.00%	Aug 05 2010 15:00	Aug 06 2010 17:00		
Install /test working Gemini sw envrt.	1d	2h	10.00	0.00%	Aug 05 2010 15:00	Aug 06 2010 17:00	#SWRT EngineerGN	
-Hardware Preparations	38d	2h	72.00	0.00%	Jan 03 2011 08:00	Feb 28 2011 10:00		
Test Lakeshore	1d		8.00	0.00%	Jan 28 2011 10:00	Jan 31 2011 10:00	John White	
Install Lakeshore at summit(earlier?)	1d		8.00	0.00%	Feb 25 2011 10:00	Feb 28 2011 10:00	John White	
-SDS6 hardware preps	19d		56.00	0.00%	Jan 03 2011 08:00	Jan 28 2011 17:00		
Configure / test working one-ch controller			40.00	0.00%	Jan 28 2011 17:00	Jan 28 2011 17:00	Kevin Hanna	
Fiber optic switch for ARC6s resolution fix	2d		16.00	0.00%	Jan 03 2011 08:00	Jan 04 2011 17:00	Neal Masuda	
-End-to-end Minimal System Test	4d		48.00	0.00%	Jan 03 2011 08:00	Jan 07 2011 08:00		
Test machines and simulator verification using m	5d		48.00	0.00%	Jan 03 2011 08:00	Jan 07 2011 08:00	Kevin Hanna (50.00%)	#SWRT EngineerGN (50.00%), John White (50.00%)
-Supporting Integration and Testing Purchases	67d		136.00	2.21%	Nov 01 2010 08:00	Feb 10 2011 08:00		
Thermostats	20d		3.00	100.00%	Nov 01 2010 08:00	Dec 28 2010 17:00	Kevin Hanna (1.88%)	
Spare Lakeshore controller			0.00	100.00%	Dec 10 2010 17:00	Dec 10 2010 17:00	John White	
Optical Components for Optical Bench	20d		3.00	0.00%	Nov 01 2010 08:00	Dec 28 2010 17:00	Kevin Hanna (1.88%)	
Pump Cart	20d		3.00	0.00%	Nov 01 2010 08:00	Dec 28 2010 17:00	Kevin Hanna (1.88%)	
Flow Bench	20d		3.00	0.00%	Nov 01 2010 08:00	Dec 28 2010 17:00	Kevin Hanna (1.88%)	
-Controller boards and spares	21d		48.00	0.00%	Jan 03 2011 08:00	Feb 01 2011 17:00		
Arc boards	21d		40.00	0.00%	Jan 03 2011 08:00	Feb 01 2011 17:00	Kevin Hanna (23.81%)	
30V power supply	19d		8.00	0.00%	Jan 03 2011 08:00	Jan 28 2011 17:00	Kevin Hanna (5.26%)	
-Mechanical Fixture for Microscopic observati	27d		76.00	0.00%	Jan 03 2011 08:00	Feb 10 2011 08:00		
Begin Mechanical Fixture work for Microscopic observations of CCDs i	0.00		0.00%	Jan 03 2011 08:00	Jan 03 2011 08:00			
Identify Requirements and existing equipment for	5d		16.00	0.00%	Jan 03 2011 08:00	Jan 07 2011 17:00		
Design Fixture for Safely and Accurately Measuri	10d		40.00	0.00%	Jan 10 2011 08:00	Jan 24 2011 17:00		
Fabricate and Procure Fixture and Supporting H	10d		8.00	0.00%	Jan 25 2011 08:00	Feb 07 2011 17:00		
Receive and Assemble Fixture and Supporting H	1d		8.00	0.00%	Feb 08 2011 08:00	Feb 08 2011 17:00		
Validate the Safety of the System Before Using w	1d		4.00	0.00%	Feb 09 2011 08:00	Feb 09 2011 17:00		
Mechanical Fixture for Microscopic Observations of CCDs in FPA Con	0.00		0.00%	Feb 10 2011 08:00	Feb 10 2011 08:00			
-Summit Installation of Test Dewar Preparations	54d		142.00	0.00%	Dec 01 2010 08:00	Feb 17 2011 17:00		
Begin Summit Installation of Test Dewar Preparations			0.00	0.00%	Dec 01 2010 08:00	Dec 01 2010 08:00		
Analyze Need for Installation of Test Dewar into GI	1d		16.00	0.00%	Dec 06 2010 08:00	Dec 06 2010 17:00	John White	Kevin Hanna
Prepare Installation Plan and Associated Documen	5d		10.00	0.00%	Dec 07 2010 08:00	Jan 03 2011 17:00	John White (25.00%)	
-Mechanical Support Structure	32d		56.00	0.00%	Jan 04 2011 08:00	Feb 17 2011 17:00		
Design Mechanical Support Structure for Test D	10d		40.00	0.00%	Jan 04 2011 08:00	Jan 18 2011 17:00	Chas Cavedoni (50.00%)	

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Fabricate Mechanical Support Structure for Test	20d		8.00	0.00%	Jan 19 2011 08:00	Feb 15 2011 17:00	Chas Cavedoni (5.00%)	
Assemble and Verify Mechanical Support Struct.	2d		8.00	0.00%	Feb 16 2011 08:00	Feb 17 2011 17:00	Chas Cavedoni (50.00%)	
<b>-Electronic Connection, Cable Routing, and Poi</b>	<b>25d</b>		<b>56.00</b>	<b>0.00%</b>	<b>Jan 03 2011 17:00</b>	<b>Feb 08 2011 17:00</b>		
Design Electronics Installation and Cable Routing	5d		40.00	0.00%	Jan 03 2011 17:00	Jan 07 2011 17:00	John White (62.50%)	Chris Yamasaki (62.50%)
Fabricate/Purchase any needed parts	20d		8.00	0.00%	Jan 10 2011 08:00	Feb 07 2011 17:00	Chris Yamasaki (5.00%)	
Assemble and Verify Electronics Installation and	1d		8.00	0.00%	Feb 08 2011 08:00	Feb 08 2011 17:00	Chris Yamasaki	
<b>-Optical Path Verification</b>	<b>1d</b>		<b>4.00</b>	<b>0.00%</b>	<b>Jan 04 2011 08:00</b>	<b>Jan 04 2011 17:00</b>		
Review Test Dewar installation Plan for Optical P	1d		4.00	0.00%	Jan 04 2011 08:00	Jan 04 2011 17:00	John White (25.00%)	Brian Walls (25.00%)
Summit Installation of Test Dewar on GMOS Preparations Complete			0.00	0.00%	Jan 05 2011 08:00	Jan 05 2011 08:00		
HBF Detector Lab Validated for Reception and Testing of GMOS CCDs			0.00	0.00%	Aug 23 2010 08:00	Aug 23 2010 08:00		
<b>-Transition of GMOS CCDs from HIA to HBF Detect</b>	<b>11d</b>	<b>7h 30m</b>	<b>24.00</b>	<b>0.00%</b>	<b>Feb 01 2011 08:30</b>	<b>Feb 17 2011 08:00</b>		
CCD System Departs HIA (Fixed Date)	1d		0.00	0.00%	Feb 01 2011 08:30	Feb 02 2011 08:30		
CCD System Transit HIA -> HBF	10d		0.00	0.00%	Feb 02 2011 08:30	Feb 16 2011 08:30		
CCD System Received and Stored at HBF in accord	1d		24.00	0.00%	Feb 16 2011 08:30	Feb 16 2011 17:30	John White (106.67%)	Kevin Hanna (106.67%), Michael Sheehan (106.67%)
All HIA Equipment and Deliverables Safely in Detector Lab			0.00	0.00%	Feb 17 2011 08:00	Feb 17 2011 08:00		
<b>-Test Dewar Prep &amp; Initial Gemini SW integration</b>	<b>7d</b>		<b>128.00</b>	<b>0.00%</b>	<b>Feb 17 2011 08:00</b>	<b>Mar 01 2011 08:00</b>		
Begin Test Dewar Preparations			0.00	0.00%	Feb 17 2011 08:00	Feb 17 2011 08:00		
<b>+Initial Checkout and Test Preparations</b>	<b>7d</b>		<b>128.00</b>	<b>0.00%</b>	<b>Feb 17 2011 08:00</b>	<b>Feb 28 2011 17:00</b>		
Test Dewar Ready for HBF Testing			0.00	0.00%	Mar 01 2011 08:00	Mar 01 2011 08:00		
<b>+Integrate HIA delivered hardware and SW with Ge</b>	<b>7d</b>		<b>104.00</b>	<b>0.00%</b>	<b>Feb 23 2011 08:00</b>	<b>Mar 04 2011 08:00</b>		
<b>+Full GMOS Test Functional Testing ( Minimal Moc</b>	<b>17d</b>		<b>176.00</b>	<b>0.00%</b>	<b>Mar 04 2011 08:00</b>	<b>Mar 30 2011 08:00</b>		
<b>+Full GMOS System Functional Testing ( Additionz</b>	<b>20d</b>		<b>150.00</b>	<b>0.00%</b>	<b>Mar 30 2011 08:00</b>	<b>Apr 28 2011 08:00</b>		
<b>+Full GMOS System Burn-in Testing Period</b>	<b>16d</b>		<b>160.00</b>	<b>0.00%</b>	<b>Apr 28 2011 08:00</b>	<b>May 20 2011 08:00</b>		
Ready to Remove GMOS from the Telescope			0.00	0.00%	May 20 2011 08:00	May 20 2011 08:00		
Science Scheduled Removal of GMOS from the Telescope			0.00	0.00%	May 16 2011 08:00	May 16 2011 08:00		
<b>-Phase II: Integration of GMOS FPA/CCDs</b>	<b>33d</b>	<b>4h</b>	<b>663.00</b>	<b>0.00%</b>	<b>May 16 2011 08:00</b>	<b>Jul 05 2011 12:00</b>		
<b>+Remove GMOS and Transport</b>	<b>8d</b>	<b>6h</b>	<b>135.00</b>	<b>0.00%</b>	<b>May 16 2011 08:00</b>	<b>May 26 2011 15:00</b>		
<b>+GMOS Summit Tasks (+Maintenance Process)</b>	<b>8d</b>	<b>2h</b>	<b>106.00</b>	<b>0.00%</b>	<b>May 26 2011 15:00</b>	<b>Jun 08 2011 17:00</b>		
<b>-Install New FPA into Dewar - HBF Det Lab</b>	<b>4d</b>	<b>3h</b>	<b>88.00</b>	<b>0.00%</b>	<b>May 26 2011 15:00</b>	<b>Jun 03 2011 09:00</b>		
Unpack GMOS Dewar	1d		16.00	0.00%	May 26 2011 15:00	May 27 2011 12:00	John White (133.33%)	Kevin Hanna (133.33%)
Remove E2V FPA	1d		16.00	0.00%	May 27 2011 13:00	May 31 2011 10:00	Kevin Hanna (133.33%)	John White (133.33%)
Obtain Initial microscopic height measurement of E2	1d		8.00	0.00%	May 31 2011 10:00	Jun 01 2011 08:00	Kevin Hanna (66.67%)	John White (66.67%)
Store E2V FPA in safe		1h	2.00	0.00%	May 31 2011 10:00	May 31 2011 11:00	Kevin Hanna	John White
<b>-Perform Dewar Modifications</b>	<b>1d</b>		<b>8.00</b>	<b>0.00%</b>	<b>May 31 2011 11:00</b>	<b>Jun 01 2011 11:00</b>		
Exchange Cold Heads	1d		8.00	0.00%	May 31 2011 11:00	Jun 01 2011 11:00	John White	
Remove Hamamatsu FPA from Test dewar	1d		16.00	0.00%	Jun 01 2011 11:00	Jun 02 2011 09:00	Kevin Hanna (133.33%)	John White (133.33%)
Verify Microscopic Measurements of new FPA in GN	1d		6.00	0.00%	Jun 02 2011 09:00	Jun 02 2011 18:00	Kevin Hanna (28.57%)	Chas Cavedoni (28.57%), John White (28.57%)
Install new FPA into GMOS dewar	1d		16.00	0.00%	Jun 02 2011 09:00	Jun 03 2011 09:00	Kevin Hanna	John White
<b>-Test New FPA (In GMOS dewar) - HBF Det Lab</b>	<b>2d</b>	<b>7h</b>	<b>36.00</b>	<b>0.00%</b>	<b>Jun 03 2011 09:00</b>	<b>Jun 08 2011 08:00</b>		
<b>-Warm Test of New FPA in GMOS Dewar</b>	<b>1d</b>		<b>16.00</b>	<b>0.00%</b>	<b>Jun 03 2011 09:00</b>	<b>Jun 06 2011 09:00</b>		
Warm Test Dewar using Engineering Interface	1d		16.00	0.00%	Jun 03 2011 09:00	Jun 06 2011 09:00	Kevin Hanna	John White
<b>-Cold Test of New FPA in GMOS Dewar?</b>	<b>1d</b>	<b>7h</b>	<b>20.00</b>	<b>0.00%</b>	<b>Jun 06 2011 09:00</b>	<b>Jun 08 2011 08:00</b>		
Pump down and Cool Dewar - Overnight	1d		4.00	0.00%	Jun 06 2011 09:00	Jun 07 2011 09:00	John White (50.00%)	
Cold FPA in Test Dewar using Engineering Interfa	1d		16.00	0.00%	Jun 07 2011 09:00	Jun 07 2011 18:00	Kevin Hanna (114.29%)	John White (114.29%)
Dewar Ready for Detector Lab Testing			0.00	0.00%	Jun 08 2011 08:00	Jun 08 2011 08:00		
<b>+Detector Lab Acceptance Testing</b>	<b>2d</b>	<b>4h</b>	<b>72.00</b>	<b>0.00%</b>	<b>Jun 08 2011 08:00</b>	<b>Jun 13 2011 12:00</b>		
Ready to Transport dewar to summit			0.00	0.00%	Jun 13 2011 13:00	Jun 13 2011 12:00		
<b>+Transport GMOS Dewar Back to MK</b>	<b>1d</b>	<b>6h</b>	<b>26.00</b>	<b>0.00%</b>	<b>Jun 13 2011 13:00</b>	<b>Jun 15 2011 10:00</b>		
<b>+Re-integration into GMOS</b>	<b>7d</b>	<b>2h</b>	<b>132.00</b>	<b>0.00%</b>	<b>Jun 15 2011 10:00</b>	<b>Jun 24 2011 12:00</b>		
<b>+Post-integration testing</b>	<b>6d</b>		<b>68.00</b>	<b>0.00%</b>	<b>Jun 24 2011 13:00</b>	<b>Jun 05 2011 12:00</b>		
<b>-Phase III: Summit Operational/Acceptance Testing</b>	<b>7d</b>	<b>6h</b>	<b>192.00</b>	<b>0.00%</b>	<b>Jun 16 2011 10:00</b>	<b>Jun 28 2011 08:00</b>		
<b>-Summit Operational Testing and Acceptance Test</b>	<b>7d</b>	<b>6h</b>	<b>192.00</b>	<b>0.00%</b>	<b>Jun 16 2011 10:00</b>	<b>Jun 28 2011 08:00</b>		
<b>-Integration of Dewar back into GMOS</b>	<b>3d</b>	<b>2h</b>	<b>56.00</b>	<b>0.00%</b>	<b>Jun 16 2011 10:00</b>	<b>Jun 21 2011 12:00</b>		
Install Dewar	1d		16.00	0.00%	Jun 16 2011 10:00	Jun 17 2011 08:00	John White (133.33%)	Chris Yamasaki (133.33%)
Install Thermal Enclosure	1d		32.00	0.00%	Jun 17 2011 08:00	Jun 17 2011 17:00	John White	Rody Kawahae, Harlan Uehara, Chris Yamasaki
Pump down and Cool of GMOS (Docking Station)	2d		8.00	0.00%	Jun 17 2011 17:00	Jun 21 2011 12:00	John White (33.33%)	Chris Yamasaki (33.33%)
<b>-Dock testing?</b>			<b>0.00</b>	<b>0.00%</b>	<b>Jun 21 2011 13:00</b>	<b>Jun 21 2011 12:00</b>		
Dock testing here if required			0.00	0.00%	Jun 21 2011 13:00	Jun 21 2011 12:00	Kevin Hanna (0.00%)	John White (0.00%)
GMOS ready to be re-installed			0.00	0.00%	Jun 21 2011 13:00	Jun 21 2011 12:00		
GMOS scheduled installation from Science group			0.00	0.00%	Jun 21 2011 13:00	Jun 21 2011 12:00		
<b>-Installation on Telescope</b>	<b>1d</b>		<b>40.00</b>	<b>0.00%</b>	<b>Jun 21 2011 13:00</b>	<b>Jun 22 2011 12:00</b>		
Install GMOS on Telescope using Written Procedu	1d		40.00	0.00%	Jun 21 2011 13:00	Jun 22 2011 12:00	John White	Rody Kawahae, Harlan Uehara, Cooper Nakayama, Chris Yamasaki
<b>-Daytime OT and software AT</b>	<b>1d</b>	<b>4h</b>	<b>48.00</b>	<b>0.00%</b>	<b>Jun 22 2011 13:00</b>	<b>Jun 24 2011 08:00</b>		
Complete Daytime OT and Final Software AT	2d		48.00	0.00%	Jun 22 2011 13:00	Jun 24 2011 08:00	John White (133.33%)	Kevin Hanna (133.33%), Brian Walls (133.33%)
<b>-Final On-sky OT and software AT</b>	<b>2d</b>		<b>48.00</b>	<b>0.00%</b>	<b>Jun 24 2011 08:00</b>	<b>Jun 27 2011 17:00</b>		
Complete Nighttime OT and Final Software AT	2d		48.00	0.00%	Jun 24 2011 08:00	Jun 27 2011 17:00	John White	Kevin Hanna, Brian Walls
GMOS-N CCDs AT complete			0.00	0.00%	Jun 28 2011 08:00	Jun 28 2011 08:00		
<b>-Phase IV: Science Commissioning Support</b>	<b>4d</b>		<b>90.00</b>	<b>0.00%</b>	<b>Jun 28 2011 08:00</b>	<b>Jul 05 2011 08:00</b>		
Engineering Support for Science Validation (Commissi	5d		90.00	0.00%	Jun 28 2011 08:00	Jul 05 2011 08:00	John White (125.00%)	Brian Walls (31.25%), Kevin Hanna (125.00%)
GMOS Ready for Queue			0.00	0.00%	Jul 05 2011 08:00	Jul 05 2011 08:00		
GMOS Scheduled for Queue from Science Group			0.00	0.00%	Jul 05 2011 08:00	Jul 05 2011 08:00		
GMOS new CCDs project Completed			0.00	0.00%	Jul 27 2011 09:00	Jul 27 2011 09:00		
<b>+Project Milestones and FTEs(Original Project Plan)</b>	<b>376d</b>	<b>4h</b>	<b>0.00</b>	<b>0.00%</b>	<b>Jan 19 2010 08:00</b>	<b>Jul 27 2011 13:00</b>		
			<b>376d</b>	<b>4h</b>	<b>2,416.70</b>	<b>1.91%</b>	<b>Jan 19 2010 08:00</b>	<b>Jul 27 2011 13:00</b>