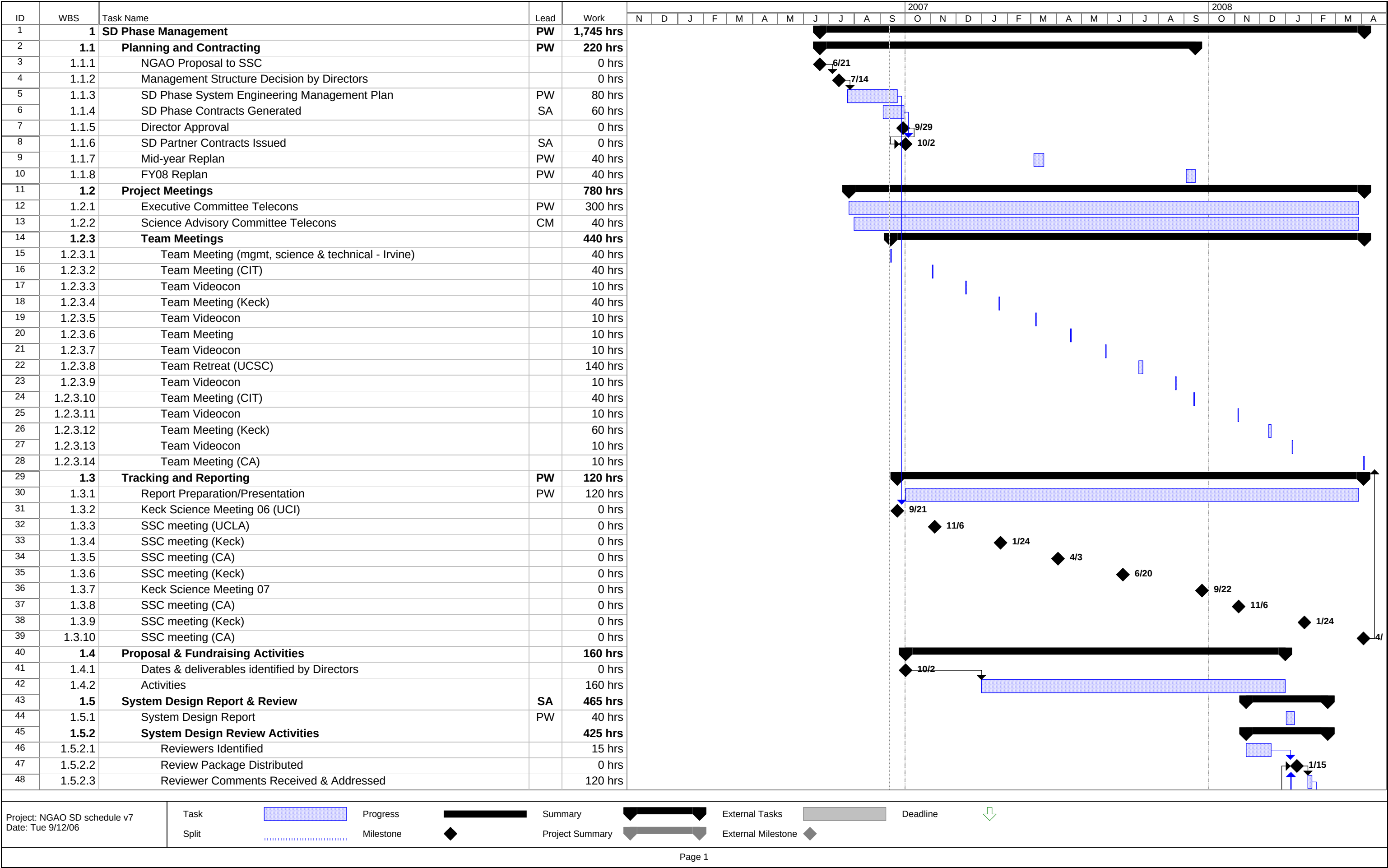




ID	WBS	Task Name	Lead	Work
49	1.5.2.4	System Design Review Prep & Attendance		250 hrs
50	1.5.2.5	System Design Review Meeting		0 hrs
51	1.5.2.6	Reviewer Report Received		0 hrs
52	1.5.2.7	Response to Reviewer Report & Distribution		40 hrs
53	2	System Requirements		3,300 hrs
54	2.1	Science Requirements	CM	3,090 hrs
55	2.1.1	Solar System	FM	650 hrs
56	2.1.1.1	Companions & Multiplicity of Small Solar System Bodies		250 hrs
57	2.1.1.1.1	Point Source Companion Sensitivity Requirements		100 hrs
58	2.1.1.1.2	Spectral Sensitivity & Spectral Resolution Requirements		100 hrs
59	2.1.1.1.3	Observing Scenarios		25 hrs
60	2.1.1.1.4	Science Instrument Requirements		25 hrs
61	2.1.1.2	Moons of the Giant Planets		150 hrs
62	2.1.1.2.1	Performance Requirements		100 hrs
63	2.1.1.2.2	Observing Scenarios		25 hrs
64	2.1.1.2.3	Science Instrument Requirements		25 hrs
65	2.1.1.3	Shape & Size of Asteroids		250 hrs
66	2.1.1.3.1	Spatial Resolution Requirements		100 hrs
67	2.1.1.3.2	Spectral Sensitivity & Spectral Resolution Requirements		100 hrs
68	2.1.1.3.3	Observing Scenarios		25 hrs
69	2.1.1.3.4	Science Instrument Requirements		25 hrs
70	2.1.2	Galactic	ML	1,200 hrs
71	2.1.2.1	Galactic Center Proper Motions: Astrometry		200 hrs
72	2.1.2.1.1	Astrometry requirements		150 hrs
73	2.1.2.1.2	Observing Scenarios		25 hrs
74	2.1.2.1.3	Science Instrument Requirements		25 hrs
75	2.1.2.2	Galactic Center Radial Velocities & Stellar Populations: Integral Fiel		200 hrs
76	2.1.2.2.1	Performance Requirements		150 hrs
77	2.1.2.2.2	Observing Scenarios		25 hrs
78	2.1.2.2.3	Science Instrument Requirements		25 hrs
79	2.1.2.3	Galactic Center Nature of Sgr A*: Flares, Spectra & Time Behavior		200 hrs
80	2.1.2.3.1	Performance Requirements		150 hrs
81	2.1.2.3.2	Observing Scenarios		25 hrs
82	2.1.2.3.3	Science Instrument Requirements		25 hrs
83	2.1.2.4	Low-mass Companions: Planets & Binary Brown Dwarfs		200 hrs
84	2.1.2.4.1	Companion Sensitivity Performance Requirements		150 hrs
85	2.1.2.4.2	Observing Scenarios		25 hrs
86	2.1.2.4.3	Science Instrument Requirements		25 hrs
87	2.1.2.5	Debris Disks, Protostellar Envelopes & Outflows: Contrast		200 hrs
88	2.1.2.5.1	Contrast Performance Requirements		150 hrs
89	2.1.2.5.2	Observing Scenarios		25 hrs
90	2.1.2.5.3	Science Instrument Requirements		25 hrs
91	2.1.2.6	Debris Disks, Protostellar Envelopes & Outflows: Polarimetry		200 hrs
92	2.1.2.6.1	Polarimetry Performance Requirements		150 hrs
93	2.1.2.6.2	Observing Scenarios		25 hrs
94	2.1.2.6.3	Science Instrument Requirements		25 hrs
95	2.1.3	Extragalactic	CM	1,000 hrs
96	2.1.3.1	Resolved Stellar Populations		300 hrs

Project: NGAO SD schedule v7
Date: Tue 9/12/06

Task

Split

Progress

Milestone

Summary

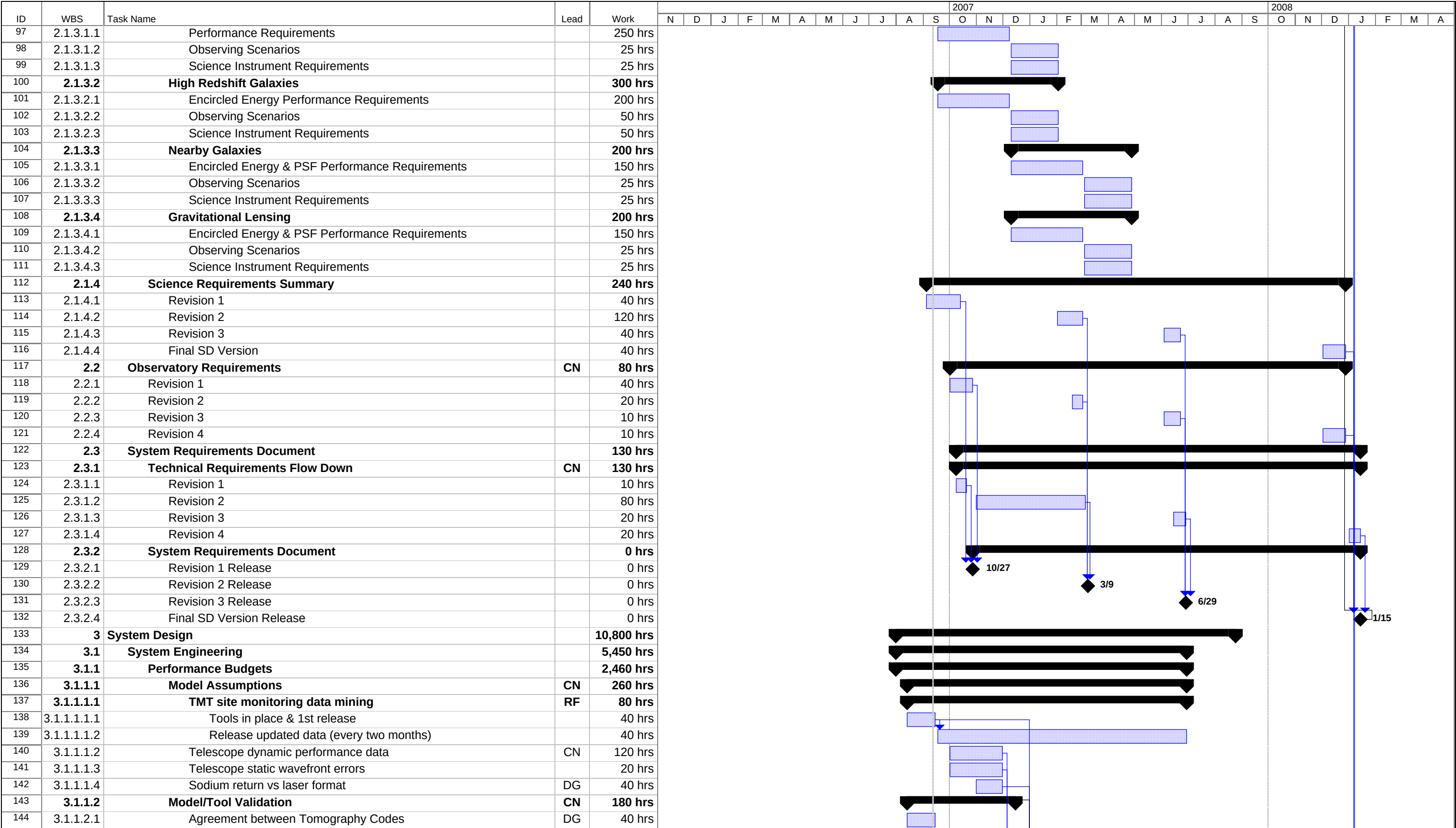
Project Summary

External Tasks

External Milestone

Deadline

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ID	WBS	Task Name	Lead	Work
145	3.1.1.2.2	Agreement between Sky Coverage Codes	RD	40 hrs
146	3.1.1.2.3	Anchor to Keck II LGS AO PSFs	CN	40 hrs
147	3.1.1.2.4	Anchor to On-sky MGSU Experiments	RF	30 hrs
148	3.1.1.2.5	Anchor to LAO Lab Experiments	DG	30 hrs
149	3.1.1.3	Throughput		40 hrs
150	3.1.1.4	Background	AB	90 hrs
151	3.1.1.4.1	Document Proposal Analysis		10 hrs
152	3.1.1.4.2	Develop Background Performance Budget		80 hrs
153	3.1.1.5	Wavefront Error vs Sky Coverage	RD	110 hrs
154	3.1.1.5.1	Document & release version 1		40 hrs
155	3.1.1.5.2	Develop version 2, document & release		70 hrs
156	3.1.1.6	Encircled Energy vs Sky Coverage	DG	140 hrs
157	3.1.1.6.1	Develop, document & release EE budget		140 hrs
158	3.1.1.7	Photometric Accuracy		240 hrs
159	3.1.1.8	Astrometric Accuracy	PW	240 hrs
160	3.1.1.9	Polarimetric Accuracy		40 hrs
161	3.1.1.10	Companion Sensitivity	BM	640 hrs
162	3.1.1.11	Point Source Sensitivities	AB	40 hrs
163	3.1.1.12	PSF Stability	CN	40 hrs
164	3.1.1.13	Observing Efficiency		160 hrs
165	3.1.1.14	Observing Uptime		80 hrs
166	3.1.1.15	Performance Budgets Summary (Final SD version)		160 hrs
167	3.1.2	Trade Studies		1,790 hrs
168	3.1.2.1	System Architecture Trade Studies		610 hrs
169	3.1.2.1.1	NGAO versus Keck AO upgrades TS (meeting 5)		100 hrs
170	3.1.2.1.2	Adaptive Secondary Mirror option TS (m5)		40 hrs
171	3.1.2.1.3	K & L-band Science TS (m5)		40 hrs
172	3.1.2.1.4	Keck Interferometer Support TS (m5)		200 hrs
173	3.1.2.1.5	Instrument Balance TS		10 hrs
174	3.1.2.1.6	GLAO for non-NGAO Instruments TS (m5)		20 hrs
175	3.1.2.1.7	Science Instrument Re-use Cost/Benefit TS (m3)		120 hrs
176	3.1.2.1.8	Telescope Wavefront Errors TS		80 hrs
177	3.1.2.2	Adaptive Optics System Trade Studies		950 hrs
178	3.1.2.2.1	AO Enclosure Temperature TS (m6)	DM	100 hrs
179	3.1.2.2.2	Optical Relay TS (m6)		60 hrs
180	3.1.2.2.3	Field Rotation Strategy TS (m6)		80 hrs
181	3.1.2.2.4	Dichroics & Beamsplitters TS (m6)		60 hrs
182	3.1.2.2.5	Rayleigh Rejection TS (m3)		40 hrs
183	3.1.2.2.6	LGS WFS Type TS (m4)		30 hrs
184	3.1.2.2.7	LGS WFS number of subapertures TS (m4)		20 hrs
185	3.1.2.2.8	Slow WFS TS (m7)		80 hrs
186	3.1.2.2.9	LOWFS Architecture TS		200 hrs
187	3.1.2.2.10	Number & Type of LOWFS TS (m4)		60 hrs
188	3.1.2.2.11	Centroid Anisoplanatism TS (m7)		40 hrs
189	3.1.2.2.12	Deformable Mirror Stroke Requirement TS (m6)		50 hrs
190	3.1.2.2.13	Stand-alone vs DM on T/T Stage TS (m3)		60 hrs
191	3.1.2.2.14	Correcting Fast T/T with DM TS		40 hrs
192	3.1.2.2.15	Focus Compensation TS (m6)		30 hrs

Project: NGAO SD schedule v7
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Task

Split

Progress

Milestone

Summary

Project Summary

External Tasks

External Milestone

Deadline

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ID	WBS	Task Name	Lead	Work													2007												2008											
					N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A						
289	4.7	SEMP Document	PW	80 hrs																																				