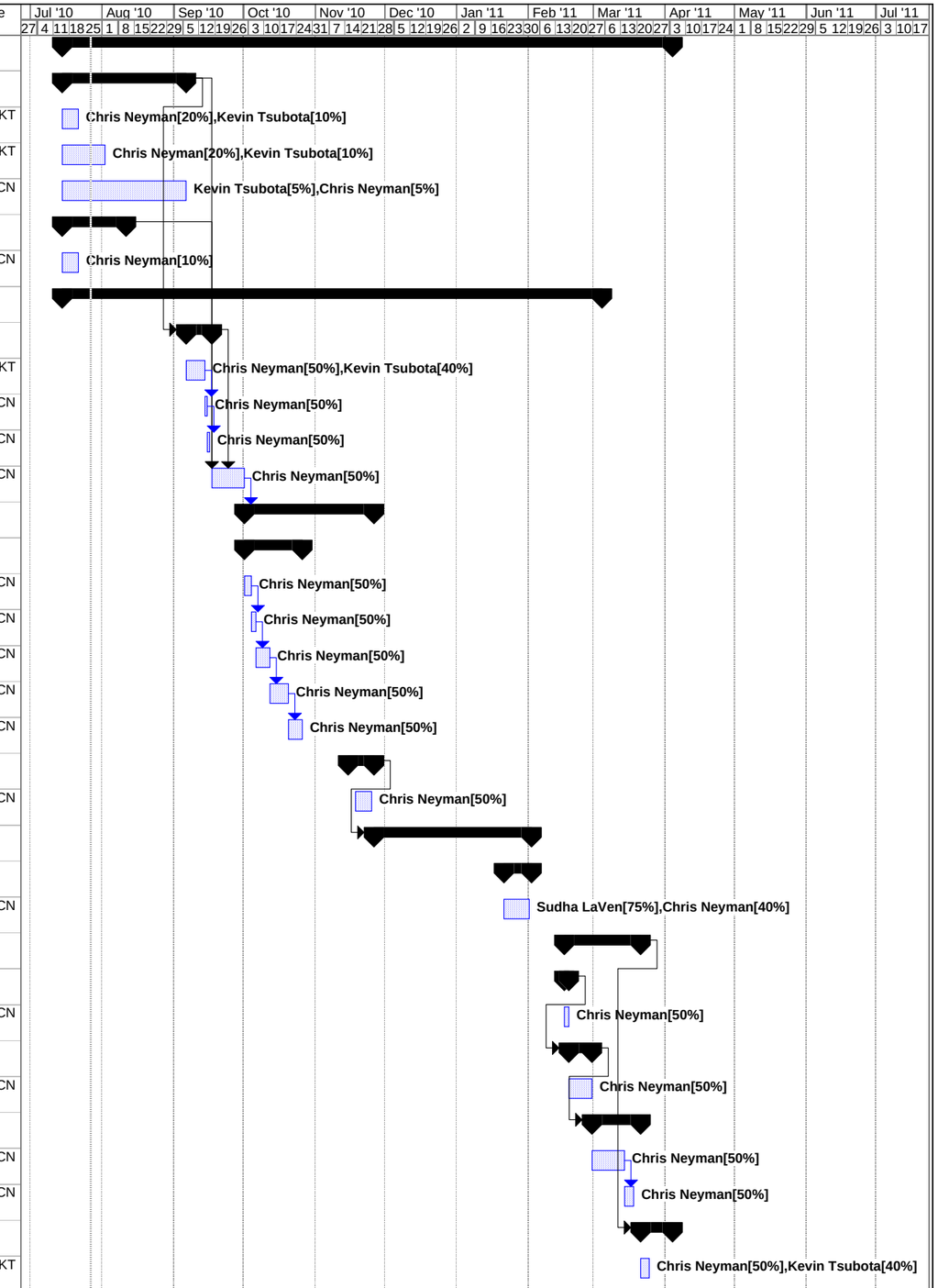
ID	WBS	Task Name	Work	Duration	Start	Finish	Predecessors	Resource Initials
1	**1**	**NGAO Parametric Oscillator**	**1,346 hrs**	**187.29 days?**	**Thu 7/15/10**	**Mon 4/4/11**		
2	**1.1**	**Demonstration Planning**	**52 hrs**	**37.5 days?**	**Thu 7/15/10**	**Mon 9/6/10**		
3	1.1.1	Define scope	10 hrs	5 days?	Thu 7/15/10	Wed 7/21/10		CN,KT
4	1.1.2	Define tasks	20 hrs	12.5 days?	Thu 7/15/10	Mon 8/2/10		CN,KT
5	1.1.3	Schedule efforts and costs	20 hrs	37.5 days?	Thu 7/15/10	Mon 9/6/10		KT,CN
7	**1.2**	**Preparation**	**116 hrs**	**19.58 days?**	**Thu 7/15/10**	**Wed 8/11/10**		
8	1.2.1	Parametric Oscillator algorithm background investigation	4 hrs	5 days?	Thu 7/15/10	Wed 7/21/10		CN
14	**1.3**	**Management**	**280 hrs**	**167 days?**	**Thu 7/15/10**	**Fri 3/4/11**		
15	**1.3.1**	**Requirements Document**	**48 hrs**	**9.25 days?**	**Mon 9/6/10**	**Fri 9/17/10**	**2**	
16	1.3.1.1	Write system and subsystem requirements. Documented at a level	40 hrs	6.25 days?	Mon 9/6/10	Tue 9/14/10		CN,KT
17	1.3.1.2	Specify NGWFC external commands and status information require	4 hrs	1 day?	Tue 9/14/10	Wed 9/15/10	16	CN
18	1.3.1.3	Specify telemetry items for TRS archiving, if any	4 hrs	1 day?	Wed 9/15/10	Thu 9/16/10	17	CN
20	1.3.2	Generate SOW	40 hrs	10 days?	Fri 9/17/10	Fri 10/1/10	2,7,15	CN
35	**1.5**	**Systems Engineering / Design**	**188 hrs**	**39.83 days?**	**Fri 10/1/10**	**Fri 11/26/10**	**20**	
36	**1.5.1**	**Design Parametric Oscillator Algorithm**	**68 hrs**	**17 days?**	**Fri 10/1/10**	**Tue 10/26/10**		
37	1.5.1.1	Determine "as built" STRAP, DTT, and WFP control loop paramete	4 hrs	1 day?	Fri 10/1/10	Mon 10/4/10		CN
38	1.5.1.2	Investigate parametric oscillator algorithm used for IF	8 hrs	2 days?	Mon 10/4/10	Wed 10/6/10	37	CN
39	1.5.1.3	Modify KAON 680 Simulink simulation	16 hrs	4 days?	Wed 10/6/10	Tue 10/12/10	38	CN
40	1.5.1.4	Write Par. Osc. Algorithm Design Document	24 hrs	6 days?	Tue 10/12/10	Wed 10/20/10	39	CN
41	1.5.1.5	Provide algorithm outline and direction to software team	16 hrs	4 days?	Wed 10/20/10	Tue 10/26/10	40	CN
47	**1.5.3**	**Software Test Plan**	**40 hrs**	**9.33 days?**	**Mon 11/15/10**	**Fri 11/26/10**	**42**	
49	1.5.3.2	Document System Level Summit Integration Test Plan	20 hrs	5 days?	Thu 11/18/10	Thu 11/25/10	48	CN
51	**1.6**	**Implementation and Lab Testing**	**180 hrs**	**48 days?**	**Fri 11/26/10**	**Wed 2/2/11**	**42,47**	
61	**1.6.4**	**Lab Integration**	**60 hrs**	**7.67 days?**	**Fri 1/21/11**	**Wed 2/2/11**		
62	1.6.4.1	Perform and document lab integration tests	60 hrs	6.67 days?	Fri 1/21/11	Tue 2/1/11	60	SL,CN
73	**1.8**	**Parametric Oscillator Demonstration**	**88 hrs**	**23 days?**	**Wed 2/16/11**	**Mon 3/21/11**	**64**	
74	**1.8.1**	**Observing Plan**	**8 hrs**	**2 days?**	**Wed 2/16/11**	**Fri 2/18/11**		
75	1.8.1.1	Plan nighttime observations with Parametric Oscillator	8 hrs	2 days?	Wed 2/16/11	Fri 2/18/11		CN
76	**1.8.2**	**Observation**	**24 hrs**	**6 days?**	**Fri 2/18/11**	**Mon 2/28/11**	**74**	
77	1.8.2.1	Nighttime testing of Par. Osc. modification	24 hrs	6 days?	Fri 2/18/11	Mon 2/28/11		CN
78	**1.8.3**	**Demonstration Report**	**56 hrs**	**15 days?**	**Mon 2/28/11**	**Mon 3/21/11**	**76**	
79	1.8.3.1	Analysis of test data	40 hrs	10 days?	Mon 2/28/11	Mon 3/14/11		CN
80	1.8.3.2	Write demonstration test report	16 hrs	4 days?	Mon 3/14/11	Fri 3/18/11	79	CN
82	**1.9**	**Remaining Implementation Plan for Parametric Oscillator**	**40 hrs**	**9.38 days?**	**Mon 3/21/11**	**Mon 4/4/11**	**73**	
83	1.9.1	Define tasks and effort remaining for implementation	20 hrs	3.13 days?	Mon 3/21/11	Fri 3/25/11		CN,KT



Project: ParOsc_v3
Date: Tue 7/27/10

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline