

## Vacuum Facilities

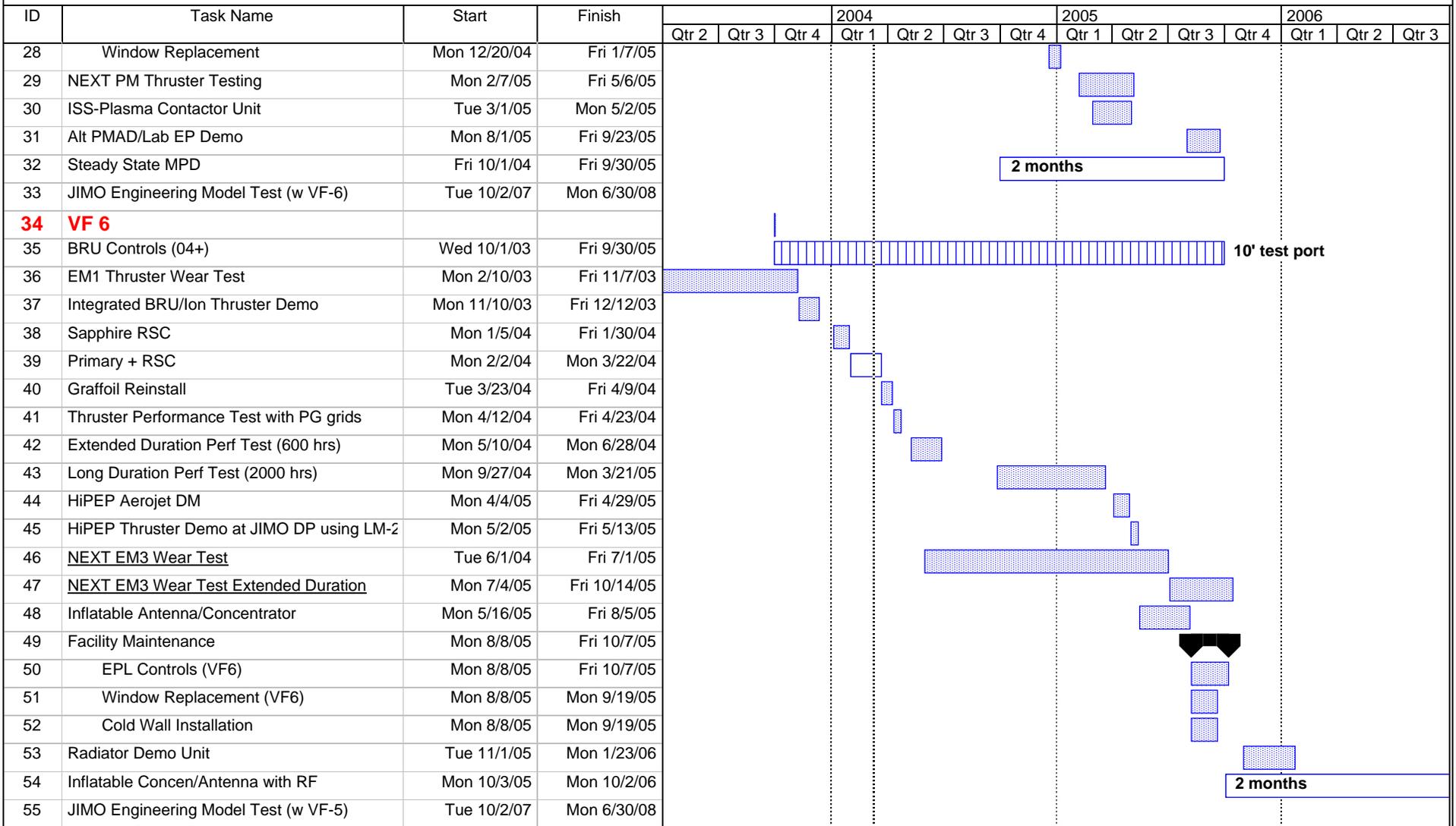
Current Schedule Revised: Wed 02/04/04

ID	Task Name	Start	Finish	2004				2005				2006				
				Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
<b>1</b>	<b><u>VACUUM FACILITES</u></b>															
<b>2</b>	<b>VF 1</b>															
3	Quasi-Steady MPD Thruster (Fy'04)	Wed 10/1/03	Thu 9/30/04													
<b>4</b>	<b>VF 2</b>															
5	Helicon Test	Wed 7/16/03	Tue 9/23/03													
6	HiPEP Slotted Antenna Checkout	Mon 12/15/03	Fri 1/23/04													
7	Helicon Test	Mon 12/1/03	Thu 9/30/04													
<b>8</b>	<b>VF 3</b>															
9	PPT Testing	Wed 10/1/03	Thu 9/30/04													
<b>10</b>	<b>VF 4</b>															
11	Non Operational	Wed 10/1/03	Wed 10/1/03													
<b>12</b>	<b>VF 5</b>															
13	Hall High Power Plume Thruster Testing	Mon 8/11/03	Fri 10/31/03													
14	N-173 Thermal Characterization	Mon 11/3/03	Fri 11/28/03													
15	Alternate Propellants Kryton N-173	Mon 12/1/03	Fri 12/19/03													
16	N-120 Version 3 Performance Mapping	Mon 12/1/03	Fri 12/19/03													
17	Facility Shutdown for Maintenance	Mon 12/22/03	Fri 1/9/04													
18	N-120 Version 3 Performance Mapping	Mon 1/12/04	Fri 6/25/04													
19	NASA-400 Performance Testing	Tue 1/20/04	Fri 2/27/04													
20	NASA-400M Steady State/Erosion Diag	Mon 3/1/04	Fri 4/2/04													
21	NASA-400M Ion Current	Mon 4/5/04	Fri 4/16/04													
22	NASA-457 Ver 2 Func & Perf Test	Mon 6/14/04	Fri 8/6/04													
23	NASA-457 Ver 2 Post-Vibe Test	Mon 8/23/04	Fri 8/27/04													
24	Multi-Thruster Integration Test	Mon 8/30/04	Fri 12/17/04													
25	Facility Maintenance	Mon 12/20/04	Fri 2/4/05													
26	EPL Controls (VF-5)	Mon 12/20/04	Fri 2/4/05													
27	Helium Engine Replacement	Mon 12/20/04	Fri 1/7/05													

Project: Vacuum Workarea Prepared by: Henry Speier Phone: (216) 977-7420	Task		Rolled Up Task		External Milestone	
	Progress		Rolled Up Milestone		Deadline	
	Milestone		Rolled Up Progress		Partial Occupancy	
	Summary		Split		Test Port	

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<b>56</b>	<b>VF 7</b>															
57	Rehab VF-7	Wed 10/1/03	Thu 12/30/04													
58	Electrodeless Thruster	Fri 12/31/04	Fri 12/30/05													
<b>59</b>	<b>VF 8</b>															
60	VACO Cross Enterprise	Mon 9/22/03	Fri 10/17/03													
<b>61</b>	<b>VF 9</b>															
62	5480 Maintained	Wed 10/1/03	Wed 9/29/04													
<b>63</b>	<b>VF 10</b>															
64	Fuel Cell Condensor/Gas Dryer/Tanks	Mon 9/1/03	Fri 2/13/04													
65	Fuel Cell Condensor/Gas Dryer/Tanks	Tue 6/1/04	Mon 8/2/04													
66	RTPV System Demonstration	Mon 1/2/06	Fri 2/3/06													
<b>67</b>	<b>VF 11</b>															
68	Ti Optics Thermal Evaluation	Mon 9/8/03	Fri 9/26/03													
69	EM2/BB PPU Testing	Mon 9/29/03	Fri 10/10/03													
70	HiPEP Wave Guide/Optics Testing	Mon 10/13/03	Fri 11/28/03													
71	Sub-kW discharge Test	Mon 12/1/03	Fri 12/12/03													
72	Facility Maintenance	Mon 12/15/03	Fri 1/9/04													
73	HiPEP	Mon 1/12/04	Fri 1/30/04													
74	Sub-kW 20 cm discharge test series II	Mon 2/2/04	Fri 2/13/04													
75	40 cm thruster/PPU Checkout testing	Mon 2/16/04	Fri 2/20/04													
76	HiPEP	Mon 2/23/04	Fri 2/27/04													
77	Sub-kW 20 cm discharge test series III	Mon 3/1/04	Fri 3/12/04													
78	TBD	Mon 3/15/04	Fri 3/19/04													
79	Sub-kW 20 cm beam extraction tests	Mon 3/22/04	Fri 4/2/04													
80	Ion Related Testing: (misc)	Mon 4/5/04	Fri 5/13/05													
<b>84</b>	<b>VF 12</b>															
85	Hall 173GT	Wed 10/1/03	Fri 11/28/03													
86	Facility Mainten & Flange Install	Mon 12/1/03	Fri 1/23/04													

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87	NASA-173 High Eff Thermal Tests	Mon 2/2/04	Fri 2/13/04													
88	NASA-173 High Isp Krypton Perf	Mon 2/16/04	Fri 3/5/04													
89	NASA-173 KR Energy/Spacing/Current Densit	Mon 3/8/04	Fri 5/28/04													
90	NASA-173 High Thrust Investigation	Mon 5/31/04	Fri 7/2/04													
<b>91</b>	<b>VF12 Facility Maintenance</b>	<b>Mon 7/5/04</b>	<b>Fri 8/13/04</b>													
92	EPL Controls (VF 12)	Mon 7/5/04	Fri 8/13/04													
93	NASA-120EC Demonstration	Mon 8/16/04	Fri 9/3/04													
94	Hall Prat Space Act	Mon 9/6/04	Fri 10/1/04													
<b>95</b>	<b>VF 13</b>															
96	CIPT Life Test	Fri 2/15/02	Thu 9/30/04													
<b>97</b>	<b>VF 14</b>															
98	CVB Testing	Wed 10/1/03	Thu 9/30/04													
99	Stablcor Vacuum Test	Mon 12/15/03	Fri 1/16/04													
100	<b>VF 16</b>															
101	Build-up Facility	Wed 10/1/03	Tue 6/1/04													
102	NEXT EM3 Wear Test	Wed 6/2/04	Mon 7/4/05													
103	NEXT EM3 Wear Test Extended Duration	Tue 7/5/05	Mon 10/17/05													
<b>104</b>	<b>CW 19</b>															
105	PPT Testing	Thu 1/1/04	Thu 9/30/04													
<b>106</b>	<b>PIF</b>															
107	PIF-H	Wed 10/1/03	Wed 9/29/04													
108	PIF-V	Wed 10/1/03	Wed 9/29/04													
<b>109</b>	<b>VF-67</b>															
110	Facility Relocate	Mon 6/2/03	Fri 1/9/04													
111	Stirling Testing	Mon 1/12/04	Tue 1/10/06													
<b>###</b>	<b>Facility Systems</b>															
113	EPL Facility Tasks															

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114	Rehab EPL Controls Fy'04 & Fy'05	Wed 10/1/03	Thu 9/29/05													
115	Replace Windows and Install Sprinklers	Wed 10/1/03	Thu 9/29/05													
<b>116</b>	<b>EPRB FacilityTasks</b>															
117	Rehab EPRB Fy'04 and Fy'05	Wed 10/1/03	Tue 3/28/06													



Project: Vacuum Workarea  
 Prepared by: Henry Speier  
 Phone: (216) 977-7420

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Summary		Split		Test Port	