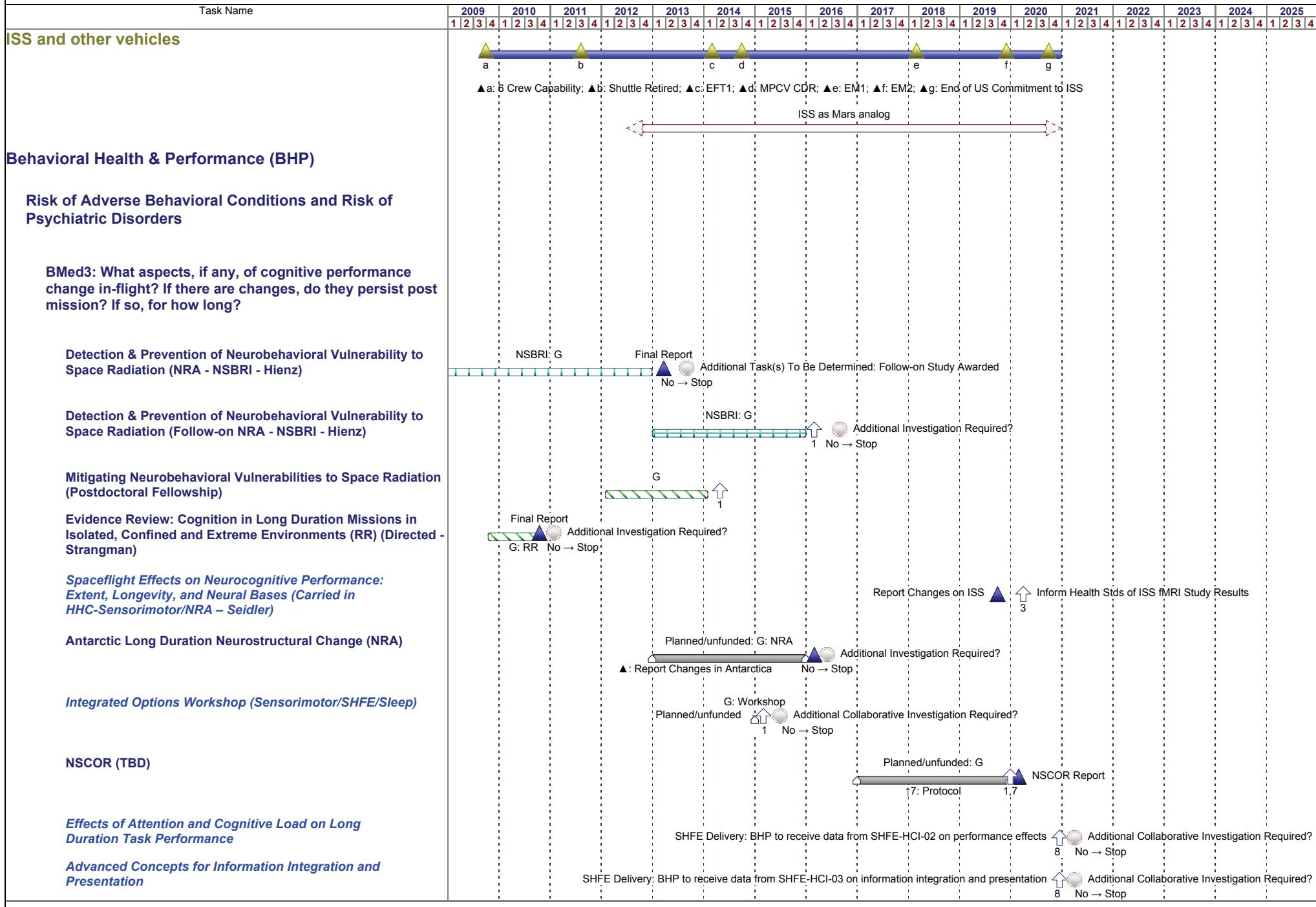
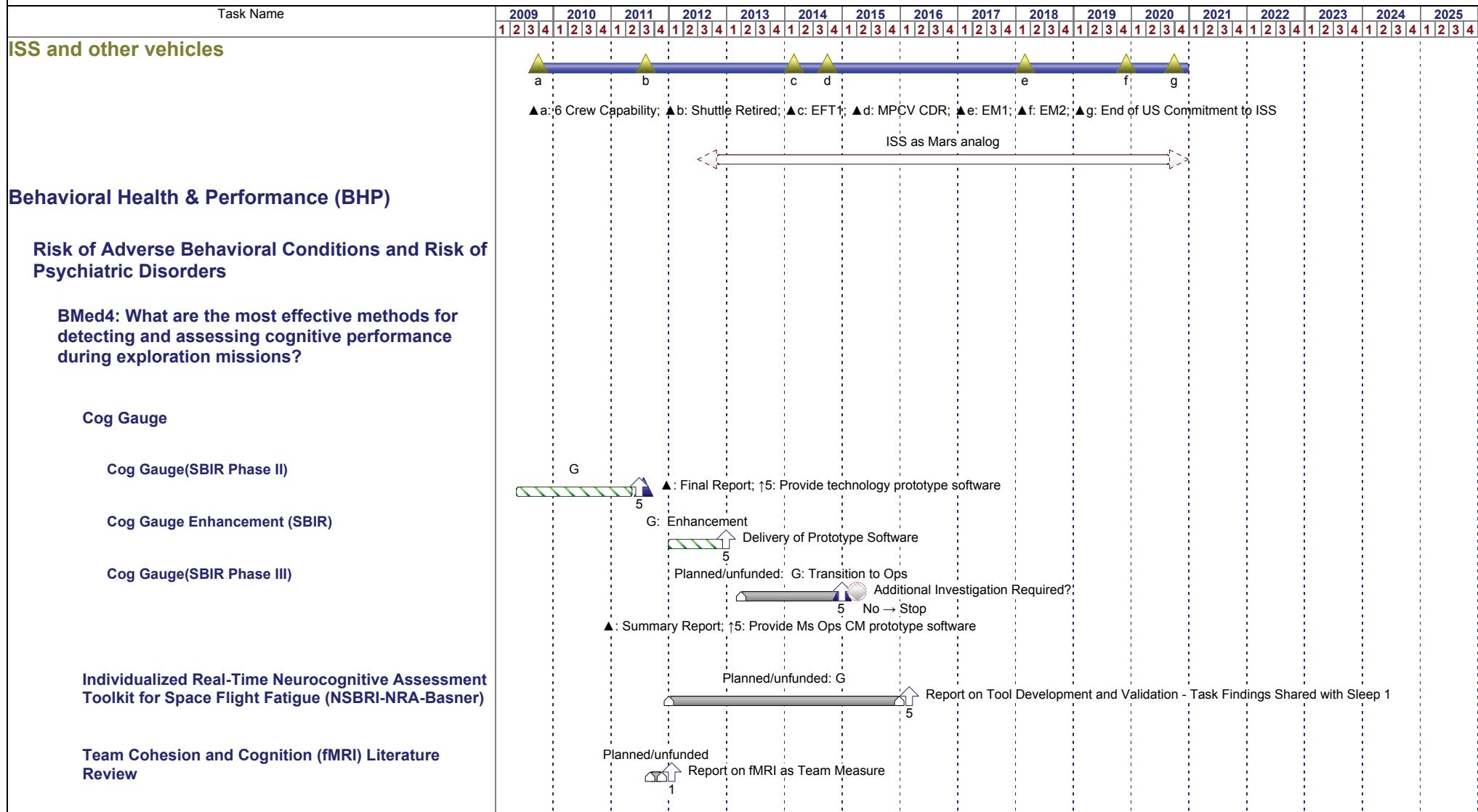
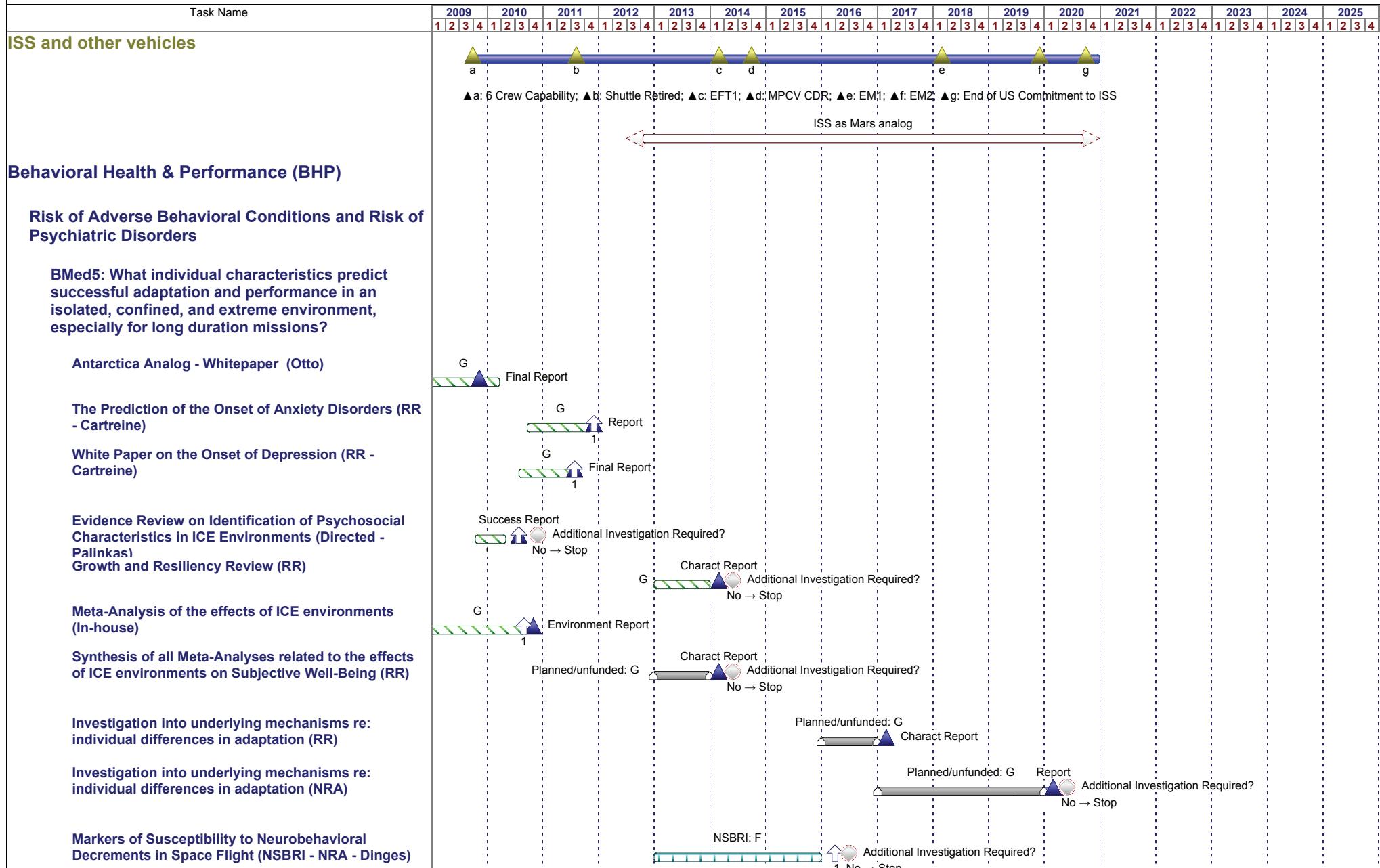


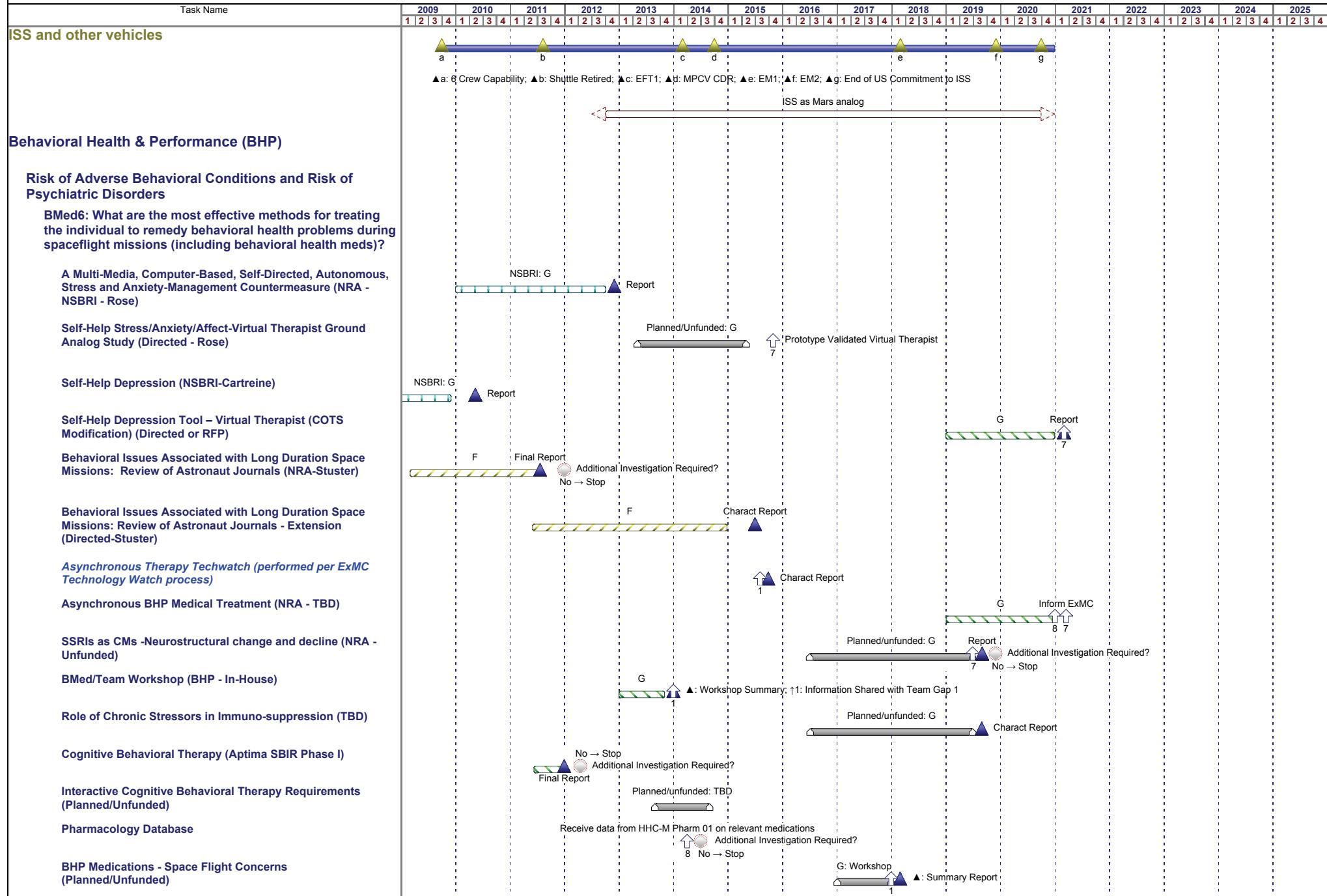


Task Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1
<b>ISS and other vehicles</b>																	
<b>Behavioral Health &amp; Performance (BHP)</b>																	
<b>Risk of Adverse Behavioral Conditions and Risk of Psychiatric Disorders</b>																	
<p><b>BMed2:</b> What are the most effective methods to predict, detect, and assess decrements in behavioral health (which may negatively affect performance) before, during, and after spaceflight missions?</p> <p><b>BHP Dashboard (Integrated SBIRs: Individualized Behavioral Health Monitoring, Individualized Fatigue Meter, &amp; Individualized Stress Monitoring Tools)</b></p> <ul style="list-style-type: none"> <li>Individualized Behavioral Health Monitoring Tool (SBIR-Pulsar Phase I)</li> <li>Individualized Behavioral Health Monitoring Tool (SBIR-Pulsar Phase II)</li> <li>Individualized Stress Detection System (SBIR-Pulsar Phase I)</li> <li>Individualized Stress Detection System (SBIR-Pulsar Phase II)</li> <li>BHP Dashboard: Ground Validation and Risk Characterization</li> <li>BHP Dashboard: Flight Validation and Risk Characterization</li> <li>BHP Dashboard: Transition to Operations</li> </ul> <p><b>Multi-Modal Neurodiagnostic Tool for Stress Monitoring (SBIR Linea)</b></p> <ul style="list-style-type: none"> <li>Multi-Modal Neurodiagnostic Tool for Stress Monitoring (Linea Phase I)</li> <li>Multi-Modal Neurodiagnostic Tool for Stress Monitoring (Linea Phase II)</li> </ul>																	
<p>Additional Collaborative Investigations Required?</p> <p>No → Stop</p> <p>G ▲: Final Report</p> <p>Additional Collaborative Investigations Required?</p> <p>No → Stop</p> <p>G ▲: Final Report</p> <p>Prototype (SBIR-Pulsar to NASA-BHP)</p> <p>G ▲: Final Report</p> <p>Additional Collaborative Investigations Required?</p> <p>No → Stop</p> <p>G ▲: Final Report</p> <p>5: Prototype (SBIR-Pulsar to NASA-BHP)</p> <p>G</p> <p>5a</p> <p>F</p> <p>↑5a: Ground-validated; ↑5b: Flight-validated</p> <p>BHP Dashboard: Transition to Operations</p> <p>Task to be determined after decision point</p> <p>G ▲: Final Report</p> <p>Delivery of prototype</p> <p>G</p> <p>5</p> <p>Infusion Decision</p>																	





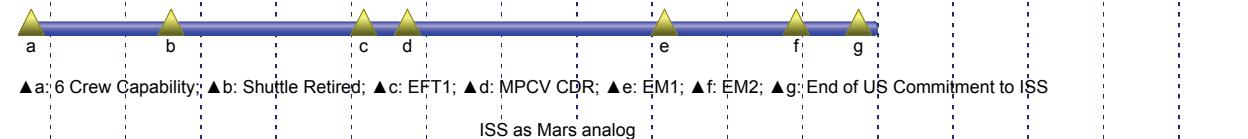






Task Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

## ISS and other vehicles



## Behavioral Health & Performance (BHP)

### Risk of Adverse Behavioral Conditions and Risk of Psychiatric Disorders

BMed7: What are the most effective methods for modifying the environment to prevent and remedy behavioral health problems during spaceflight missions?

Literature Review - The Physical Environment, BHP Outcomes, and Habitability Requirements

Environmental Factors Review (RR - Kearney)

Virtual Reality (VR) Technologies for Enhancing Behavioral Health

Virtual Reality (VR) Technologies for Enhancing Behavioral Health - (NRA)

