Fiscal Year:	FY 2007	Task Last Updated:	FY 05/04/2009
PI Name:	Barshi, Immanuel Ph.D.		
Project Title:	Spaceflight Resource Management Training		
Division Name:	Human Research		
Program/Discipline:	HUMAN RESEARCH		
Program/Discipline Element/Subdiscipline:	HUMAN RESEARCHSpace Human Factors Engineeri	ng	
Joint Agency Name:		TechPort:	Yes
Human Research Program Elements:	(1) SHFH:Space Human Factors & Habitability (archiva	1 in 2017)	
Human Research Program Risks:	(1) HSIA: Risk of Adverse Outcomes Due to Inadequate	Human Systems Integration Arch	itecture
Space Biology Element:	None		
Space Biology Cross-Element Discipline:	None		
Space Biology Special Category:	None		
PI Email:	Immanuel.Barshi@nasa.gov	Fax:	FY
PI Organization Type:	NASA CENTER	Phone:	650.604.3921
Organization Name:	NASA Ames Research Center		
PI Address 1:	Mail Stop: 262-4		
PI Address 2:	Human Systems Integration Division		
PI Web Page:			
City:	Moffett Field	State:	CA
Zip Code:	94035-1000	<b>Congressional District:</b>	18
Comments:			
Project Type:	Ground	Solicitation / Funding Source:	Directed Research
Start Date:	10/02/2006	End Date:	09/30/2010
No. of Post Docs:		No. of PhD Degrees:	
No. of PhD Candidates:		No. of Master' Degrees:	
No. of Master's Candidates:		No. of Bachelor's Degrees:	
No. of Bachelor's Candidates:		Monitoring Center:	NASA JSC
Contact Monitor:	Woolford, Barbara	<b>Contact Phone:</b>	218-483-3701
Contact Email:	barbara.j.woolford@nasa.gov		
Flight Program:			
Flight Assignment:			
Key Personnel Changes/Previous PI:			
COI Name (Institution):	Byrne, Vicky (Lockheed-Martin/ NASA Johnson Space	e Center )	
Grant/Contract No.:			
Performance Goal No.:			
Performance Goal Text:			
	Ground-based pre-flight training and in-space just-in-tim driver for exploration missions. On-board training system crews. Long-duration missions preclude the possibility of have been specially trained on specific emerging problem continue to depend even more on the deep knowledge ast live with and the tasks they have to perform. However, gi for individuals and teams will be necessary, such as in re- systems will enable the crews to keep their skill levels up resolve new challenges as they arise. Increasing commun astronauts need to be prepared to handle the unexpected of	e training and task rehearsal will on swill enhance the autonomy and f easily substituting new crew men is, new tasks and scientific or mis ronauts acquire of the idiosyncras iven the nature of the missions, or configurable training and mission to par and to develop new skills - tication delays between crews and on their own. As crews become m	continue to be an important effectiveness of exploration mbers from the ground who sion operations. We will sies of the flight systems they aboard training opportunities rehearsal systems. These or practice new procedures to ground support mean that ore autonomous, their

Rationale for HRP Directed Research:	
Research Impact/Earth Benefits:	
Task Progress: New project for FY2007. Task added to Task Book in May 2009 when information received from JSC [Editor]	
Bibliography Type: Description: (Last Updated: 05/30/2025)	