E*1 V	EV 2014		EV 00/24/2012
Fiscal Year:	FY 2014	Task Last Updated:	FY 09/24/2013
PI Name:	Rose, Raphael Ph.D.		
Project Title:	Self-Guided Multimedia Stress Management and Resi	lience Training	
Division Name:	Human Research		
Program/Discipline:	HUMAN RESEARCH		
Program/Discipline Element/Subdiscipline:	HUMAN RESEARCHBehavior and performance		
Joint Agency Name:	Teo	chPort:	Yes
Human Research Program Elements:	(1) HFBP:Human Factors & Behavioral Performance (IRP Rev H)		
Human Research Program Risks:	(1) BMed:Risk of Adverse Cognitive or Behavioral Conditions and Psychiatric Disorders		
Space Biology Element:	None		
Space Biology Cross-Element Discipline:	None		
Space Biology Special Category:	None		
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Zip Code:	90095-1563	<b>Congressional District:</b>	33
Comments:			
Project Type:	GROUND	Solicitation / Funding Source:	Directed Research
Start Date:	12/11/2013	End Date:	12/10/2016
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:	Leveton, Lauren	<b>Contact Phone:</b>	
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Flight Program:			
Flight Assignment:	NOTE: Period of performance changed to 12/11/2013-12/10/2016 per NSSC information (previously noted as 9/18/2013-10/31/2015 per HRP information)Ed., 9/9/14		
Key Personnel Changes/Previous PI:			
COI Name (Institution):	Craske, Michelle Ph.D. (University of California, Los Angeles) Smith, Scott Ph.D. (NASA-Johnson Space Center Nutrition Biochemistry Lab)		
Grant/Contract No.:	NNX14AC47G		
Performance Goal No.:			
Performance Goal Text:			

Task Description:	Stress and anxiety-related problems are some of the most common and costly behavioral health problems in society. For those working in operational environments (i.e., astronauts, flight controllers, military), stress and anxiety-related problems before, during, or after missions can seriously compromise efficiency, safety, and performance. To address behavioral health issues like stress, it is important to maximize the privacy, validity, and acceptability of the countermeasures used. Technology-based behavioral health programs (e.g., computer or web-based programs) are effective for treating behavioral health problems. These programs increase availability of evidence-based interventions to individuals who are not able or willing to receive such in-person treatments. Our prior research validated the autonomous multimedia resilience training program we created (i.e., SMART-OP). Results from a randomized controlled trial with a stressed but otherwise healthy sample (N=66) indicated that SMART-OP decreased perceived stress, improved perceived control over stress, and was rated as significantly more useful than an attention control group that received marketed videos and published material on stress management. SMART-OP was also rated as "excellent" in terms of user-friendliness, had low dropout, and high homework adherence. We propose to evaluate the effectiveness, usefulness, and usability of stress for stress (i.e., cortisol, a-amylase), heart rate, and cognitive and behavioral performance. Based on several meetings with the SFRM Working Group, we learned that trainees are not progressing through the training flow satisfactorily and that they identified stress, increased perceived control over stress, and was rated perceived stress, increased perceived control over stress, sing or stress (i.e., cortisol, a-amylase), heart rate, and cognitive and behavioral performance. Based on several meetings with the SFRM Working Group, we learned that trainees are not progressing through the training flow satisfactorily reduc
Rationale for HRP Directed Research:	This research is directed because it contains highly constrained research.
<b>Research Impact/Earth Benefits:</b>	
Task Progress:	New project for FY2013.
Bibliography Type:	Description: (Last Updated: 02/11/2021)