Task Book Report Generated on: 04/20/2024

Fiscal Year:	EV 2011	od: EV 00/04/2012
PI Name:	FY 2011 Task Last Update Roma, Peter Ph.D.	ed: FY 09/04/2012
ri Name:		n Antonotic Succes Analog
Project Title:	Field Test of a Simple, Rapid, and Objective Behavioral Assay of Group Cohesion in a Environment	n Antarctic Space Analog
Division Name:	Human Research	
Program/Discipline:	NSBRI	
Program/Discipline Element/Subdiscipline:	NSBRINeurobehavioral and Psychosocial Factors Team	
Joint Agency Name:	TechPort:	No
Human Research Program Elements:	(1) BHP :Behavioral Health & Performance (archival in 2017)	
Human Research Program Risks:	(1) Team :Risk of Performance and Behavioral Health Decrements Due to Inadequate Cooperation, Coordination, Communication, and Psychosocial Adaptation within a Team	
Space Biology Element:	None	
Space Biology Cross-Element Discipline:	None	
Space Biology Special Category:	None	
PI Email:	pete.roma@nasa.gov	ax: FY
PI Organization Type:	NASA CENTER Pho	ne:
Organization Name:	KBR/NASA Johnson Space Center	
PI Address 1:	Behavioral Health & Performance Laboratory	
PI Address 2:	2101 NASA Parkway	
PI Web Page:		
City:	Houston Sta	ite: TX
Zip Code:	77058 Congressional Distr	ict: 36
Comments:		
Project Type:	GROUND Solicitation / Funding Sour	ce: Directed Research
Start Date:	09/01/2011 End D:	nte: 08/31/2013
No. of Post Docs:	No. of PhD Degr	ees:
No. of PhD Candidates:	No. of Master' Degra	ees:
No. of Master's Candidates:	No. of Bachelor's Degr	ees:
No. of Bachelor's Candidates:	Monitoring Cen	ter: NSBRI
Contact Monitor:	Contact Pho	ne:
Contact Email:		
Flight Program:		
Flight Assignment:		
Key Personnel Changes/Previous PI:		
COI Name (Institution):		
Grant/Contract No.:	NCC 9-58-NBPF00008	
Performance Goal No.:		
Performance Goal Text:		
Task Description:	The Johns Hopkins team has developed a simple, rapid, objective, and language-free assay of small-group behavioral dynamics. In cooperation with the European Space Agency (ESA), the team is testing this behavioral science technology during two consecutive 10-month winter-over periods at Concordia Station in Antarctica as an isolated, confined, and extreme (ICE) environment similar to what Astronaut crews will experience during long-duration exploratory missions. The primary aims/objectives for the project are to (1) assess operational acceptability and logistical feasibility of an objective group-level behavioral assay in an ICE environment, (2) validate the behavioral assay data against naturally occurring behaviors and subjective opinions relevant to group cohesion, and (3) inform next-generation software development based on user and operator feedback. This research can be used to enhance selection, composition, and objective monitoring of high-performance teams in extreme environments where group cohesion is	

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	essential to mission success.
Rationale for HRP Directed Research	:
Research Impact/Earth Benefits:	
Task Progress:	New project for FY2011. [Ed. note 9/4/2012: added to Task Book when became aware of the task]
Bibliography Type:	Description: (Last Updated: 07/05/2023)